EGLE

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Remediation and Redevelopment Division

For EGLE Use Only
BEA Submittal #
25000011-BEA-2

BASELINE ENVIRONMENTAL ASSESSMENT SUBMITTAL FORM

INSTRUCTIONS:

This form is for submittal of a Baseline Environmental Assessment (BEA), as defined by Part 201, Environmental Remediation and Part 213, Leaking Underground Storage Tanks, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, for the purpose of establishing an exemption to liability pursuant to Section 20126(1)(c) and Section 21323a(1)(b) for a new owner or operator of property that is a facility as defined by Section 20101(1)(s) or Property as defined by Section 21303(d). The BEA report must be conducted either prior to or within 45 days after becoming the owner or operator, whichever is earliest. This form and the BEA report must be submitted prior to or within 6 months of becoming the owner or operator whichever is earliest. A separate BEA is required for each legal entity that is or will be a new owner or operator of the property. To maintain the exemption to liability, the owner and operator must also disclose the BEA to any subsequent purchaser or transferee before conveying interest in the property pursuant to Section 20126(1)(c) and Section 21323a(1)(b).

DUE CARE:

An owner or operator of a facility or Property also has due care obligations under Section 20107a and Section 21304c with respect to any existing contamination. Documentation of due care evaluations, all conducted response activities, and compliance with 7a or 4c need to be available to EGLE, but not submitted, within 8 months of becoming the owner or operator of a facility and/or Property.

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SECTION A: LEGAL ENTITY INFORMATION

Name of Legal entity that does or will own/operate property:

Michigan Department of Natural Resources

Mailing Address: 525 W. Allegan Street

City: Lansing State: Michigan ZIP Code: 48909-7757

Contact Person (Name and Title): Ronald A. Olson

Phone Number: 517-284-6135 Email Address: olsonr@michigan.gov

Contact for BEA questions if different from submitter, Name and Title:

Jeff Carr, Group Leader – Project Manager

Company: AKT Peerless Environmental Services

Mailing Address: 214 Janes Avenue

City: Saginaw State: Michigan ZIP Code: 48607

Phone Number: (989) 754-9896 Email Address: carrj@aktpeerless.com

SECTION B: PROPERTY INFORMATION

Name of Property: Chevy Commons County: Genesee

Street Address(es) of Property: 306 & 307 South Stevenson Street and 300 North Chevrolet Avenue

City: Flint State: Michigan ZIP Code: 48503

City/Village/Township: Flint

Property Tax ID (Include all applicable IDs): 40-13-301-005, 40-13-176-002, 40-13-326-005, 40-13-251-004, 40-13-251-011, 40-13-301-003, 40-13-131-005, 40-13-251-007, 40-13-251-010, 40-13-251-002, 40-13-326-006

Township, Section and Range: T.7N, SEC 13, R.6E

Decimal Degrees Latitude and Longitude: Lat: 43.012214 N and Lon: -83.704513 W

Address(es) according to tax records, if different than above:

Collection Method: ☐ Survey ☐ GPS ☒ Interpolation

Status of submitter relative to the property (check all that apply):

☐ Former Owner ☐ Current Owner ☒ Prospective Owner ☐ Former Operator
☐ Current Operator ☒ Prospective Operator

Reference Point for Latitude and Longitude: ☒ Center of Site ☐ Main/Front Door

☐ Front Gate/Main Entrance ☐ Other If Other: _____

SECTION C: SOURCE OF CONTAMINATION AT THE PROPERTY

Facility – regulated pursuant to **PART 201**: ☐ New ☒ Existing

Existing 201 EGLE ID Number: 50002169, 25000011, and 00002683

Property – regulated pursuant to **PART 213**: ☐ New ☐ Existing

Existing 213 EGLE ID Number: _____

Check all that are known to apply:

Source other than Part 201 or Part 213, or source unknown ☐

Oil or gas production and development regulated pursuant to Part 615 or 625 ☐

Licensed landfill regulated pursuant to Part 115 ☐

Licensed hazardous waste treatment, storage, or disposal facility regulated pursuant to Part 111 ☐

SECTION D: APPLICABLE DATES (provide date for all that are relevant)

Date All Appropriate Inquiry (AAI) Report or Phase I Environmental Assessment Report completed: 02/17/2023

Date Baseline Environmental Assessment Report conducted: 02/17/2023

Date submitter first became the owner: _____

Date submitter first became the operator: _____

Date submitter first became the operator (if prior to ownership): _____

Anticipated date of becoming the owner for prospective owners: 07/01/2023

Anticipated date of becoming the operator for prospective operators: 07/01/2023

If former owner or operator of this property, prior dates of being the owner or operator: _____

SECTION E: CHECK THE APPROPRIATE RESPONSE TO EACH OF THE FOLLOWING QUESTIONS

1. Is the property at which the BEA was conducted a "facility" as defined by Section 20101(1)(s) or a Property as defined by Section 21303(d)?

   ☒ Yes ☐ No

2. Was the All Appropriate Inquiry (AAI) or Phase I Environmental Assessment Report completed in accordance with Section 20101(1)(f) and or 21302(1)(b)?

   ☒ Yes ☐ No

3. Was the BEA, including the sampling, conducted either prior to or within 45 days of the date of becoming the owner, operator, or of foreclosure, whichever is earliest?

   ☒ Yes ☐ No

4. Is this BEA being submitted to the department within 6 months of the submitter first becoming the owner or operator, or foreclosing?

   ☒ Yes ☐ No

5. Does the BEA provide sufficient rationale to demonstrate that the data is reliable and relevant to define conditions at the property at the time of purchase, occupancy, or foreclosure, even if the BEA relies on studies of data prepared by others or conducted for other purposes?

   ☒ Yes ☐ No

6. Does this BEA contain the legal description of the property addressed by the BEA?

   ☒ Yes ☐ No

7. Does this BEA contain the environmental analytical results, a detailed, scaled map (not aerial photo) showing the sample locations, and the basis for the determination that the property is a facility as defined by Section 20101(1)(s) or the basis for the determination that the property is a Property as defined by Section 21303(d)?

   ☒ Yes ☐ No

SECTION F: ENVIRONMENTAL CONSULTANT SIGNATURE

I certify to the best of my knowledge and belief, that this BEA and all related materials are true, accurate, and complete. I certify that the property is a facility as defined by Section 20101(1)(s) or a Property as defined by Section 21303(d) and have provided the sampling and analyses that support that determination. I certify that any exceptions to, or deletions from, the All Appropriate Inquiry Rule are described in Section 1 of the BEA report.

Signature	Jeff Carr	6/6/2023
	Print Name	Date

Company: AKT Peerless Environmental Services

Mailing Address: 214 Janes Avenue

City: Saginaw State: Michigan ZIP Code: 48607

Phone Number: (989) 754-9896 Email Address: carrj@aktpeerless.com

SECTION G: LEGAL ENTITY SIGNATURE

With my signature below, I certify that to the best of my knowledge and belief, this BEA and all related materials are true, accurate, and complete.

Signature	Ronald A. Olson	June 5, 2023
	Print Name	Date

Title and relationship of signatory to submitter:

Chief, Department of Natural Resources Parks and Recreation Division

Mailing Address: 525 W. Allegan Street

City: Lansing State: Michigan ZIP Code: 48909-7757

Phone Number: 517-284-6135 Email Address: olsonr@michigan.gov

This form should be submitted to EGLE Remediation & Redevelopment Division District Office for the county in which the property is located, unless the response activity is related to a facility that is regulated by another EGLE Division. An office map is located at www.Michigan.gov/EGLErrd. The BEA report and submittal form should be addressed to the field operations contact, located via the

AKTPEERLESS™
ENVIRONMENTAL SERVICES

BASELINE ENVIRONMENTAL ASSESSMENT

Chevy Commons
Flint, Genesee County, Michigan

PREPARED FOR Michigan Department of Natural Resources
525 West Allegan Street
Lansing, Michigan 48909

PROJECT # 17713s-5-26

DATE March 3, 2023

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BASELINE ENVIRONMENTAL ASSESSMENT

Chevy Commons, Flint, Michigan
AKT Peerless Project No. 17713s-5-26

1.0 Introduction

AKT Peerless Environmental Services (AKT Peerless) prepared this Baseline Environmental Assessment (BEA) for eleven contiguous parcels of land on North Chevrolet Avenue, Glenwood Avenue, South Stevenson Street, and West Kearsley Street, known as Chevy Commons, in Flint, Genesee County, Michigan (subject property). AKT Peerless' scope of work was based on (1) Section 20126(1)(c) of Part 201 of the Natural Resources and Environmental Protection Act (NREPA), 1994 Public Act (PA) 451, as amended, and (2) AKT Peerless' proposal PS-31449, dated November 1, 2022, and the terms and conditions of that agreement.

AKT Peerless prepared this BEA to provide a written document that describes the results of an all appropriate inquiry (AAI) and the sampling and analysis that confirm that the subject property is a "*facility*[1]." This BEA was prepared in accordance with Section 20126(1)(c) of Part 201 of NREPA, Michigan PA 451 of 1994, as amended ("Part 201"), and provides an independent, professional evaluation and opinion regarding existing environmental conditions associated with the subject property. The BEA establishes a liability exemption for the cleanup of existing contamination at the subject property.

This BEA was conducted on March 3, 2023 on behalf of Michigan Department of Natural Resources (DNR), this BEA is being submitted to the Michigan Department of Environmental, Great Lakes, and Energy (EGLE).

The property is described in further detail in Section 2.0. A legal description for the property is included in **Appendix A**. Refer to **Figure 1** for a Topographic Location Map and **Figure 2** for a Subject Property Map.

[1] "Facility" means any area, place, or property where a hazardous substance in excess of the concentrations that satisfy the cleanup criteria for unrestricted residential use has been released, deposited, disposed of, or otherwise comes to be located. Facility does not include any area, place, or property where any of the following conditions are satisfied: (i) Response activities have been completed under this part that satisfy the cleanup criteria for unrestricted residential use. (ii) Corrective action has been completed under Part 213 that satisfies the cleanup criteria for unrestricted residential use. (iii) Site-specific criteria that have been approved by the department for application at the area, place, or property are met or satisfied and both of the following conditions are met: (A) The site-specific criteria do not depend on any land use or resource use restriction to ensure protection of the public health, safety, or welfare or the environment. (B) Hazardous substances at the area, place, or property that are not addressed by site-specific criteria satisfy the cleanup criteria for unrestricted residential use.

1.1 Owner/Operator Information

This BEA was prepared by AKT Peerless on behalf of the following:

Prospective Property Owner and Prospective Property Operator:

Michigan Department of Natural Resources
525 West Allegan Street
Lansing, Michigan 48909

1.2 Intended Use of the Property

Michigan Department of Natural Resources intends to acquire the subject property on or about May 1, 2023, and subsequently intends to continue utilizing the subject property as a recreational park with the existing greenspaces, concrete sidewalks, and asphalt parking areas. Future development will include the construction of a playground on the eastern portion of the subject property.

1.3 Summary of All Appropriate Inquiry Phase I Environmental Site Assessment (ESA)

AKT Peerless completed a Phase I ESA of the subject property on March 3, 2023, on behalf of Michigan Department of Technology, Management, and Budget (DTMB) and Michigan Department of Natural Resources (DNR) in conformance with the scope and limitations of ASTM Standard Practice E 1527-21 (ASTM Practice E 1527). At the time of AKT Peerless' site reconnaissance, the subject property was structurally vacant and consisted of 11 parcels of land.

For ease of reference in this report, AKT Peerless has designated each of the subject property parcels with a letter. These designations have no relevance to legally recorded data about the subject property. See the following table for additional subject property details.

Subject Property Identifiers

Parcel	Address	Tax Identification Number	Owner of Record	Approximate Acreage
A	North Chevrolet Avenue	40-13-301-005	Genesee County	8.51
B	306 South Stevenson Street	40-13-176-002	Genesee County	28.35
C	Glenwood Avenue	40-13-326-005	Genesee County	3.91
D	307 South Stevenson Street	40-13-251-004	Genesee County	10.59
E	300 North Chevrolet Avenue	40-13-251-011	Genesee County	9.12
F	North Chevrolet Avenue	40-13-301-003	Genesee County	2.84*
G	South Stevenson Street	40-13-131-005	Genesee County	3.17
H	West Kearsley Street	40-13-251-007	Genesee County	0.53
I	West Kearsley Street	40-13-251-010	Genesee County	1.21
J	West Kearsley Street	40-13-251-002	Genesee County Parks & Rec Commission	0.42
K	South Chevrolet Avenue	40-13-326-006	Genesee County Parks & Rec Commission	1.41

*The City of Flint assessing records indicate this parcel comprises of riverbanks and extends into the river. Parcel F is listed as "0-acres" by the City of Flint. Therefore, AKT Peerless estimated this acreage based on an area calculation.

Parcels A, B, C, D, and E consists of a municipal park known as Chevy Commons County Park. This portion of the subject property consists of greenspace, concrete walkways, and two paved asphalt parking lots. Parcels F and G consists of concrete lined sections of the Flint River and associated riverbanks located directly north and south of the waterway. Parcel H consists of a concrete lined section of the Swartz Creek and associated riverbanks located directly east and west of the waterway. Parcel I consists of a section of the Swartz Creek and associated riverbanks located directly east and west of the waterway. Parcels J and K consists of a recreational trail known as Genesee Valley Trail and are developed with concrete walkways and greenspace.

The following recognized environmental condition (REC) was identified:

REC 1 - The southern adjoining property operated for industrial purposes, primarily automotive manufacturing, from at least the late 1800s to the early 2000s. Previously completed subsurface investigations identified concentrations of chlorinated volatile organic compounds (CVOCs) in soil and groundwater in excess of the EGLE Part 201 Generic Residential Cleanup Criteria (RCC). Additionally, samples were collected between 2018 and 2021 and submitted for laboratory analyses of Per- and Polyfluoroalkyl Substances (PFAS) compounds[2]. The results of those investigations revealed PFAS compounds in soil and groundwater at concentrations above newly established (2018) EGLE Part 201 RCC. Furthermore, PFAS and CVOCs contamination were found to have migrated off-site onto an adjoining former railroad property. The potential for contaminants migrating from an adjoining property to the subject property represents a REC.

The following controlled recognized environmental conditions (CRECs) were identified:

CREC 1 - Previous assessments identified RECs related to the historical industrial use (primarily automotive manufacturing) of the subject property from at least the late 1800s to the early 2000s. Multiple subsurface investigations of the subject property were conducted over time to address those RECs. Volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PNAs), metals, and polychlorinated biphenyls (PCBs) have been detected in soil and groundwater at the subject property at concentrations above the Michigan EGLE Part 201 Generic RCC. Further, river sediments in the area of the subject property are known to have been impacted by contaminants as a result of discharges to the Flint River. Therefore, the subject property meets the definition of a *facility,* as defined in Part 201 of the NREPA, Michigan PA 451, 1994, as amended.

The City of Flint (former property owner) entered into an Agreement, Order on Consent, and Covenant not to Sue with the United States Environmental Protection Agency (USEPA), Region 5 of the Former Delphi "Flint West" Site, also known as "Chevy in the Hole" in Flint, Genesee County, Michigan (Parcels A through E) in 2012. The agreement was entered pursuant to the

[2] In August 2022, EPA proposed the addition of two PFAS compounds, perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) to the list of hazardous substances under CERCLA. The rulemaking process is underway with an anticipated resolution by August 2023. In 2018, the State of Michigan classified PFAS compounds as a hazardous substance regulated under Part 201 of the Natural Resources and Environmental Protection Act, Michigan Public Act 451 of 1994, as amended (NREPA).

Solid Waste Disposal Act, commonly referred to as the Resource Conservation and Recovery Act (RCRA) of 1976. The agreement proposed that the City of Flint would acquire ownership of the subject property for use as a public green space. Furthermore, the agreement would allow the City of Flint to become non-liable for known contamination present at the subject property.

The agreement states that the City of Flint agreed to comply with corrective actions including, but not limited to, site capping over contaminated soils, planting of trees and other native vegetation, the installation of walkways, the completion of a Declaration of Restrictive Covenant, installation of new groundwater monitor wells, performance of groundwater monitoring, and compliance with Section 7a of the NREPA (commonly known as "Due Care").

To date, the proposed redevelopment activities undertaken by the City of Flint have included the completion of site capping, tree and vegetation planning, walkway installation, submittal of a Declaration of Restrictive Covenant, and the completion of groundwater monitoring on two of the five parcels (Parcels A and E). The Declaration of Restrictive Covenant: (1) limits the use of the property to park, open space, or recreation, (2) prohibits use of groundwater, (3) restricts construction of buildings, (4) limits excavation of soil, (5) prohibits treatment, storage, and disposal of hazardous wastes, (6) requires proper management of soil, media, and debris, as well as (7) requires the on-site concrete slabs not be removed with certain exceptions. To date, the City of Flint appears to be in compliance with due care obligations. Furthermore, Genesee County, the current property owner appears to be in compliance with due care obligations.

The regulatory authorities have allowed contaminants at the subject property to remain in place subject to the above referenced restrictions and covenants, which represents a CREC.

Based on the intended use of the subject property as a park and results of previous environmental investigations, AKT Peerless did not recommend additional subsurface investigation of the subject property. The REC and CREC identified above appear to be adequately managed through compliance with existing engineering and administrative controls of the subject property. However, any changes to the future use of the subject property (including any park construction activities that would disrupt surface soil) must be evaluated for compliance with due care prior to initiation of those activities.

A copy of the 2023 Phase I ESA is included in **Appendix B.**

1.4 Exceptions or Deletions

AKT Peerless did not deviate from ASTM Practice E 1527-21 or AAI when performing the Phase I ESA (i.e., no components of that practice were deleted, and no additions to it were made).

1.5 Data Gaps

AKT Peerless did not identify or encounter any instances of significant data gaps during the course of the Phase I ESA.

1.6 Phase II Environmental Site Assessment Activities

Parcels A through E

AKT Peerless evaluated the analytical results for soil and groundwater samples, derived over the past several decades during numerous distinct subsurface investigations conducted on and adjacent to the

subject property as defined within this BEA. In general, the subject property was used in conjunction with select adjoining properties for industrial purposes since the late 1800s.

The results of all investigations have been considered in the preparation of this BEA; however, only those results generated on or after 2010, with verifiable laboratory analytical reports, including current laboratory methodologies and sample collection locations, have been qualitatively presented within this report to evaluate the current nature and extent of soil and groundwater contamination. Specifically, AKT Peerless reviewed previous reports completed by AKT Peerless, Weston Solution, Inc., and Environmental Consulting and Technology, Inc. These reports were prepared based on the results of soil and groundwater sampling events throughout the subject property. All subsurface investigations were completed under the Genesee County 2005 RLF Cleanup Grant, BF 96565501.

2010-2014 Summary of Sampling Events

Soil sampling activities were completed from March 2010 through August 2014. The following soil boring locations were evaluated for the purpose of this BEA: A-1, A-2, B-1 through B-4, C-1 through C-8, D-1 through D-11, E-1 through E-11, SB-03 through SB-08, CITH-SB-01 through CITH SB-04, CITH-SB-12 through CITH-SB-33, five composite samples [A-1 to A-4, A-5 to S-9, A-1 to A-9, A-10 to A-14, A-15 to A-18], CITH-WMW-1 through CITH-WMW-30, and WMW-31 through WMW-44.) Laboratory analytical results of the 2010 through 2014 soil sampling events identified:

- Antimony, cadmium, copper, magnesium, manganese, nickel, zinc, acenaphthylene, anthracene, benzene, chloroform, methylene chloride, tetrachloroethylene, and trichloroethylene were above the EGLE Part 201 Residential Drinking Water Protection (DWP) criteria.
- Silver, naphthalene, acenaphthene, fluoranthene, fluorene, toluene, and 1,2,3-trimethylbenzene were exceeding the Groundwater Surface Water Interface Protection (GSIP) criteria.
- Cobalt, mercury (total), selenium, vanadium, 2-methylnaphthalene, ethylbenzene, 1,2,4-trimethylbenzene, and xylenes were exceeding the DWP and GSIP criteria.
- Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenzo(a,h)anthracene exceeding Direct Contact (DC) criteria.
- Aluminum, iron, and lead were identified exceeding the DWP and DC criteria.
- Arsenic was identified exceeded the DWP, GSIP, and DC criteria.
- Chromium (total) was identified exceeding DWP, GSIP, DC, and Particulate Soil Inhalation (PSI) criteria.
- Phenanthrene was identified exceeding DWP, GSIP, Infinite Source Volatile Soil Inhalation Criteria (VSIC) and Finite Source VSIC 2-Meter and 5-Meter Source Thickness (VSIC 2m and VSIC 5m, respectively) criteria.
- Carbon tetrachloride was identified exceeding DWP and the Soil Volatilization Indoor Air Inhalation (SVIAI) criteria.

Groundwater sampling activities were completed from March 2010 through April 2014. The following monitoring well locations were evaluated for the purpose of this BEA: PS-19, PS-37, PS-46, PS-49, MW-36, MW-51A, MW-58D to MW-62, DMW-107, C1/TMW, C2/TMW, D-1/TMW D-2/TMW, D-6/TMW, D-8/TMW through D-10/TMW, E2/TMW through E4/TMW, E7/TMW, E10/TMW; and up to four quarterly sampling events each for MW-2, MW-4, MW-5, MW-6, MW-9s, MW-9d, MW-10s, MW-10d, MW-11s, MW-11d, MW-12s, MW-12d, MW-13, MW-100s, MW-100d, MW-101s through MW-104s, MW-105s, MW-105d, MW-106s, MW-106d, PZ-2, PZ-4, PZ-5, WMW-2 through WMW-30. Laboratory analytical results of the 2010 through 2014 groundwater sampling events identified:

- Aluminum, iron, sodium, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, benzene, and cis-1,2-dichloroethylene were identified exceeding the EGLE Part 201 Residential Drinking Water (DW) criteria.
- Chromium (total), chromium VI, mercury (total), mercury (low level), selenium, silver, zinc, ammonia, PCB-aroclor 1254, fluoranthene, phenanthrene, ethylbenzene, and 2-methylnaphthalene were identified exceeding the groundwater surface water interface (GSI) criteria.
- Arsenic, barium, lead, manganese, vanadium, tetrachloroethylene, trichloroethylene, and vinyl chloride were identified exceeding DW and GSI criteria.

Based on laboratory analytical results from the above noted investigations, the subject property meets the definition of a "facility," as defined in Part 201.

Parcels J and K

On September 29, 2016, Compliance, Inc. completed a Phase II ESA of a larger portion of land which included the subject property, on behalf of Kettering University. The Phase II ESA was completed to evaluate former railroad operations at the subject property, as well as former General Motors operations conducted on the adjoining properties. A total of 15 soil borings were advanced on the former railroad parcels with the collection of 30 soil and 10 groundwater samples. Two soil samples, at distinct intervals, were collected from each soil boring. Additionally, six surface soil samples were collected as a supplemental Phase II ESA. The soil and groundwater samples were submitted for laboratory analysis of VOCs, semi-volatile organic compounds (SVOCs), PCBs, and Michigan 10 Metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc). Four of the soil borings advanced were located on Parcels J and K of the subject property, which included the collection of eight soil, three groundwater, and three surface samples. The samples were collected from depths ranging between 0.0 and 16.0 feet below ground surface (bgs). B-6 was advanced on Parcel J, and B-1, B-2, B-3, B-16, B-17, and B-18 were advanced on Parcel K.

Laboratory analytical results of the 2016 soil samples identified:

- Mercury and selenium were identified exceeding the GSIP criteria.
- Chromium was identified exceeding the DWP and GSIP criteria.
- Lead was identified exceeding the DC criteria.
- Arsenic was identified exceeding the DWP, GSIP, and DC criteria.

Laboratory analytical results of the 2016 groundwater samples, B-1/TMW, B-2/TMW, and B-3/TMW, identified:

- Lead was identified exceeding the DW criteria.
- Mercury was identified exceeding the GSI criteria.

Based on laboratory analytical results from the above noted investigation, the subject property meets the definition of a "facility," as defined in Part 201.

Refer to Figures 3 through 27 for sample location maps. Refer to Tables 1 through 4 for a summary of soil and groundwater analytical results. Refer to Facility IDs: 50002169, 25000011, and 00002683 for laboratory analytical results, as maintained by EGLE RRD.

1.7 General Location(s) of Known Contamination and Media Affected

During investigations conducted prior to placement of the existing cap, soil contamination was encountered from below the original ground surface or concrete pavement to 34' bgs throughout the subject property. Groundwater contamination has been encountered from 5 to 60' bgs throughout the subject property.

1.8 Basis for Facility Determination

Based on the analytical results obtained during the Phase II ESA, the following substances were detected above EGLE RCC:

Summary of EGLE RCC Exceedances

Hazardous Substance	CAS #	Hazardous Substance	CAS #
Aluminum	7429-90-5	Benzene	71-43-2
Antimony	7440-36-0	Carbon tetrachloride	56-23-5
Arsenic	7440-38-2	cis-1,2-Dichloroethylene	156-59-2
Barium	7440-39-3	Chloroform	67-66-3
Cadmium	7440-43-9	Ethylbenzene	100-41-4
Chromium, Total	7440-47-3	Methylene chloride	75-09-2
Chromium VI	18540-29-9	2-Methylnaphthalene	91-57-6
Cobalt	7440-48-4	Tetrachloroethylene	127-18-4
Copper	7440-50-8	Toluene	108-88-3
Iron	7439-89-6	Trichloroethylene	79-01-6
Lead	7439-92-1	1,2,3-Trimethylbenzene	526-73-8
Magnesium	7439-95-4	1,2,4-Trimethylbenzene	95-63-6
Manganese	7439-96-5	Xylenes	1330-20-7
Mercury, Total	7439-97-6	Vinyl chloride	75-01-4
Mercury, Low Level	7439-97-6	PCB, Aroclor 1254	11097-69-1
Nickel	7440-02-0	Acenaphthene	83-32-9
Selenium	7782-49-2	Acenaphthylene	208-96-8
Silver	7440-22-4	Anthracene	120-12-7
Sodium	7440-23-5	Benzo(a)anthracene	56-55-3

Hazardous Substance	CAS #	Hazardous Substance	CAS #
Vanadium	7440-62-2	Benzo(a)pyrene	50-32-8
Zinc	7440-66-6	Benzo(b)fluoranthene	205-99-2
Ammonia	7664-41-7	Benzo(g,h,i)perylene	191-24-2
Chrysene	218-01-9	Benzo(k)fluoranthene	207-08-9
Indeno(1,2,3-cd)pyrene	193-39-5	Dibenzo(a,h)anthracene	53-70-3
Naphthalene	91-20-3	Fluoranthene	206-44-0
Phenanthrene	85-01-8	Fluorene	86-73-7

Therefore, the subject property meets the definition of a "facility" as defined by Part 201 of NREPA, Michigan PA 451 of 1994, as amended. Additional information regarding the contaminant concentrations can be found in Tables 1 and 2 of this BEA.

2.0 Property Information

General property information is presented in the following subsections.

2.1 Legal Description

A legal description of the subject property is provided in Appendix A of this report.

2.2 Survey Map(s)

No survey maps were available for the subject property at the time of completion of this BEA. A parcel map from the Genesee County Geographic Information System database is included in Appendix A.

2.3 Scaled Site Map(s)

Scaled site maps with site structures, sample locations, and contaminant concentrations that exceed EGLE RCC are included as Figures 2 through 27.

2.4 Scaled Area Map

Refer to Figure 1 for a scaled area map showing the property in relation to surrounding properties.

2.5 Property Location

The subject property is addressed as Chevy Commons and comprises eleven parcels consisting of approximately 70-acres. The majority of the subject property is situated south of the Flint River, north of Glenwood Avenue and West Kearsley Street, east of Center Street, as well as west of the intersection of the Swartz Creek and the Flint River. Smaller portions of the subject property occupy portions of the Flint River and Swartz Creek, as well as small portions of the riverbanks on both sides of these waterways. A former Grand Trunk railroad line bisects the subject property from east to west, adjoining eight of the

eleven parcels that make up the subject property.

Refer to **Figure 1** for a Topographic Location Map and **Figure 2** for a Subject Property Map.

2.6 Spatial Data

The subject property is located in NW and NE Quarters of Section 13 in Flint (T.7N. /R.6E.), Genesee County, Michigan as observed on the USGS Topographic Map, which encompasses the subject property.

The coordinates of the subject property based on global positioning system (GPS) are as follows:

Latitude (Decimal Degrees): 43.012214° N
Longitude (Decimal Degrees): -83.704513° W

Refer to **Figure 1** for a Topographic Location Map and **Figure 2** for a Subject Property Map.

3.0 Facility Status

3.1 Summary of Known Hazardous Substances

Hazardous substances known to exceed residential cleanup criteria compounds, CAS numbers, sample location, depths, and media affected are summarized in the following table:

Summary of Soil Analytical Results for Parcels A through E

Parameter	CAS Number	Sample Identification with Criteria Exceedance (Highest Concentration in Bold)	Part 201 Residential Criteria Exceeded/ Established Criteria (µg/kg)
Aluminum	7429-90-5	**CITH-SB-12**, CITH-SB-22, CITH-SB-30, CITH-SB04, CITH-WMW-18, CITH-WMW-21, CITH-WMW-24	DWP / 1,000 DC / 5.0E+7
Antimony	7440-36-0	CITH-SB04, D-1s, **CITH-WMW-7**, CITH-WMW-8	DWP / 4,300
Arsenic	7440-38-2	A-1, CITH-SB-12, CITH-SB-13, CITH-SB-14, CITH-SB-18, CITH-SB-19, CITH-SB-21, CITH-SB-24, CITH-SB-25, CITH-SB-27, CITH-SB-29, B-1, B-4s, A-1 to A-4, A-5 to A-9, A-10 to A-14, A-15 to A-18, CITH-SB04, CITH-WMW-11, CITH-WMW-13, **CITH-WMW-16**, CITH-WMW-17, CITH-WMW-22, CITH-WMW-24, CITH-WMW-26, WMW-39, D-1s, D-7s, D-8, CITH-WMW-30, CITH-WMW-2, CITH-WMW-5, CITH-WMW-7, CITH-WMW-8, WMW-31, E-2, E-6	DWP / 4,600 GSIP / 4,600 DC / 7,600
Cadmium	7440-43-9	**D-8**, E-2	DWP / 6,000

Parameter	CAS Number	Sample Identification with Criteria Exceedance (Highest Concentration in Bold)	Part 201 Residential Criteria Exceeded/ Established Criteria (µg/kg)
Chromium, Total	7440-47-3	A-1, CITH-SB-12, CITH-SB-13, CITH-SB-21, CITH-SB-22, CITH-SB-25, CITH-SB-28, B-1, B-4s, D-1s, D-4d, D-8, D-9, D-10, D-11, CITH-WMW-7, **WMW-31**, E-1, E-2, E-8	DWP / 30,000 GSIP / 3,300 PSI / 2.6E+5 DC / 2.5E+6
Cobalt	7440-48-4	CITH-SB-12, CITH-SB-18, CITH-SB04, CITH-WMW-24, D-1s, D-1d, D-9, D-11, C-6, CITH-WMW-30, **CITH-WMW-7**, E-2	DWP / 800 GSIP / 2,000
Copper	7440-50-8	**D-1s**	DWP / 5.8E+6
Iron	7439-89-6	CITH-SB-12, CITH-SB-13, CITH-SB-14, CITH-SB-18, CITH-SB-20, CITH-SB-21, CITH-SB-24, CITH-SB-25, CITH-SB-27, CITH-SB-28, CITH-SB-29, CITH-SB-30, CITH-SB-31, CITH-SB04, CITH-WMW-11, CITH-WMW-13, CITH-WMW-16, CITH-WMW-17, CITH-WMW-24, CITH-WMW-26, D-1s, D-9, D-11, E-2, CITH-WMW-5, **CITH-WMW-7**, CITH-WMW-8	DWP / 6,000 DC / 1.6E+8
Lead	7439-92-1	A-1, B-4s, E-1, E-2, C-6, D-1s, **D-8**, D-9, WMW-31, WMW-44	DWP / 7.0E+5 DC / 4.0E+5
Magnesium	7439-95-4	CITH-SB-12, CITH-SB-14, CITH-SB-16, CITH-SB-18, CITH-SB-19, CITH-SB-20, CITH-SB-21, CITH-SB-22, **CITH-SB-23**, CITH-SB-24, CITH-SB-25, CITH-SB-26, CITH-SB-27, CITH-SB-28, CITH-SB-29, CITH-SB-30, CITH-SB-31, CITH-SB-33, CITH-WMW-12, CITH-WMW-13, CITH-WMW-14, CITH-WMW-16, CITH-WMW-18, CITH-WMW-20, CITH-WMW-21, CITH-WMW-22, CITH-WMW-25, CITH-WMW-26, D-1d, D-6, D-7d, CITH-WMW-27, CITH-WMW-28, CITH-WMW-29, CITH-WMW-30, CITH-WMW-1, CITH-WMW-2, CITH-WMW-3, CITH-WMW-5, CITH-WMW-9, E-9	DWP / 8.0E+6
Manganese	7439-96-5	CITH-SB-12, CITH-SB-18, CITH-SB-21, CITH-SB-25, CITH-WMW-15, CITH-WMW-30, **CITH-WMW-7**, D-1s, D-9, E-2	DWP / 1,000
Mercury, Total	7439-97-6	A-1, CITH-SB-13, CITH-SB-25, B-1, B-3, B-4s, A-1 to A-4, A-15 to A-18, CITH-SB04, CITH-WMW-11, CITH-WMW-13, CITH-WMW-17, D-1s, D-3s, D-7s, D-9, D-10, D-11, CITH-WMW-7, WMW-31, **E-1**, E-2, E-3, E-4, E-8	DWP / 1,700 GSIP / 50
Nickel	7440-02-0	CITH-SB-21, CITH-WMW-7, D-1s, D-9, **E-2**	DWP / 1.0E+5

Parameter	CAS Number	Sample Identification with Criteria Exceedance (Highest Concentration in Bold)	Part 201 Residential Criteria Exceeded/ Established Criteria (µg/kg)
Selenium	7782-49-2	CITH-SB-17, CITH-SB-31, CITH-SB04, CITH-WMW-11, **CITH-WMW-17**, E-2	DWP / 4,000 GSIP / 400
Silver	7440-22-4	CITH-WMW-25, CITH-WMW-11, D-8, **D-1s**	GSIP / 100
Vanadium	7440-62-2	**CITH-WMW-7**	DWP / 72,000 GSIP / 1.9E+5
Zinc	7440-66-6	D-1s, **D-8**, E-2, WMW-31	DWP / 2.4E+6
Naphthalene	91-20-3	**D-5d**, WMW-31, SB-04, SB-03	GSIP / 730
Acenaphthene	83-32-9	**SB-03**	GSIP / 8,700
Acenaphthylene	208-96-8	**SB-03**	DWP / 5,900
Anthracene	120-12-7	**SB-03**	DWP / 41,000
Benzo(a)anthracene	56-55-3	**SB-03**	DC / 20,000
Benzo(a)pyrene	50-32-8	**SB-03**, SB-04, CITH-WMW-7, WMW-41, CITH-SB04, CITH-WMW-11, CITH-WMW-18, D-9, B-1, A-1 to A-9, A-10 to A-14, A-15 to A-18	DC / 2,000
Benzo(b)fluoranthene	205-99-2	**SB-03**, CITH-WMW-18	DC / 20,000
Dibenzo(a,h)anthracene	53-70-3	**SB-03**	DC / 2,000
Fluoranthene	206-44-0	**SB-03**, SB-04, A-1 to A-9, A-10 to A-14, A-15 to A-18, CITH-WMW-11, WMW-41, D-9, CITH-WMW-7, WMW-31	GSIP / 5,500
Fluorene	86-73-7	CITH-WMW-7, **SB-03**, SB-04	GSIP / 5,300
2-Methylnaphthalene	91-57-6	CITH-WMW-7, WMW-31, **SB-03**, SB-07, CITH-WMW-20, CITH-WMW-23, D-5d	DWP / 57,000 GSIP / 4,200
Phenanthrene	85-01-8	CITH-WMW-7, E-11, WMW-31, D-11, D-9, D-5d, WMW-41, CITH-WMW-23, CITH-WMW-18, CITH-WMW-11, A-1 to A-9, A-15 to A-18, B-1, **SB-03**, SB-04, SB-06	DWP / 56,000 GSIP / 2,100 VSIC / 1.6E+5 VSIC 2m / 1.6E+5 VSIC 5m / 1.6E+5
Benzene	71-43-2	**CITH-SB01**	DWP / 100
Carbon tetrachloride	56-23-5	**CITH-WMW-17**, CITH-WMW-18	DWP / 100 SVIAI / 190
Chloroform	67-66-3	**CITH-WMW-20**	DWP / 1,600

Parameter	CAS Number	Sample Identification with Criteria Exceedance (Highest Concentration in Bold)	Part 201 Residential Criteria Exceeded/ Established Criteria (µg/kg)
Ethylbenzene	100-41-4	SB-03, **CITH-WMW-20**	DWP / 1,500 GSIP / 360
Methylene chloride	75-09-2	SB-03, SB-06, **SB-07**, SB-08	DWP / 100
Tetrachloroethylene	127-18-4	CITH-WMW-27, **CITH-WMW-18**	DWP / 100
Toluene	108-88-3	**WMW-31**	GSIP / 5,400
Trichloroethylene	79-01-6	**CITH-SB01**	DWP / 100
1,2,3-Trimethylbenzene	526-73-8	**WMW-31**	GSIP / 570
1,2,4-Trimethylbenzene	95-63-6	SB-03, **WMW-31**	DWP / 2,100 GSIP / 570
Xylenes	1330-20-7	SB-03, **CITH-WMW-20**, CITH-WMW-7, WMW-31	DWP / 5,600 GSIP / 980

Table Notes:
µg/kg – microgram per kilogram
DWP – Drinking Water Protection Criteria
GSIP – Groundwater Surface Water Interface Protection Criteria
PSI – Particulate Soil Inhalation Criteria
DC – Direct Contact Criteria
VSIC – Infinite Source Volatile Soil Inhalation Criteria
VSIC 2m – Finite VSIC for 2 Meter Source Thickness
VSIC 5m– Finite VSIC for 5 Meter Source Thickness
SVIAI – Soil Volatilization Indoor Air Inhalation Criteria

Summary of Soil Analytical Results for Parcels J and K

Parameter	CAS Number	Sample Identification with Criteria Exceedance (Highest Concentration in Bold)	Part 201 Residential Criteria Exceeded/ Established Criteria (µg/kg)
Arsenic	7440-38-2	B-1S, B-2S, B-2D, B-6S, B-16, **B-17**, B-18	DWP / 4,600 GSIP / 4,600 DC / 7,600
Chromium, Total	7440-47-3	B-2S, **B-2D**, B-6S, B-16, B-18	DWP / 30,000 GSIP / 3,300
Lead	7439-92-1	**B-2S**	DC / 400,000
Mercury, Total	7439-97-6	**B-2S**	GSIP / 50
Selenium	7782-49-2	B-1S, B-1D, **B-2S**, B-2D, B-6S, B-6D, B-16, B-17, B-18	GSIP / 400

Table Notes:

µg/kg – microgram per kilogram
DWP – Drinking Water Protection Criteria
GSIP – Groundwater Surface Water Interface Protection Criteria
DC – Direct Contact Criteria

Summary of Groundwater Analytical Results for Parcels A through E

Parameter	CAS Number	Sample Identification with Criteria Exceedance (Highest Concentration in Bold)	Part 201 Residential Criteria Exceeded/ Established Criteria (ug/L)
Aluminum	7429-90-5	MW-36, MW-51A, MW-58D, MW-59, MW-61, MW-62, MW-2, MW-5, MW-6, MW-9s, MW-9d, MW-10s, MW-10d, MW-11s, MW-11d, MW-12s, MW-12d, MW-13, MW-100s, MW-100d, MW-101s, MW-103s, MW-104s, MW-105s, MW-105d, MW-106d, PZ-2, PZ-4, PZ-5, WMW-11, WMW-12, WMW-13, WMW-14, WMW-15, WMW-17, WMW-18, WMW-19, WMW-20, WMW-21, WMW-22, WMW-24, WMW-25, WMW-26, WMW-27, WMW-28, WMW-29, **WMW-30**, D-1/TMW, D-9/TMW, WMW-2, WMW-3, WMW-4, WMW-5, WMW-6, WMW-7, E-2/TMW, E7/TMW, WMW-9, WMW-10	DW / 50
Arsenic	7440-38-2	MW-36, MW-51A, MW-58D, MW-61, MW-6, MW-9s, MW-9d, **MW-10s**, MW-10d, MW-11d, MW-12d, MW-13, MW-100s, MW-100d, MW-103s, MW-105s, MW-105d, MW-106s, MW-106d, PZ-2, PZ-4, PZ-5, WMW-11, WMW-13, WMW-15, WMW-16, WMW-17, WMW-18, WMW-20, WMW-21, WMW-23, WMW-24, WMW-25, WMW-28, WMW-29, D-1/TMW, D-8/TMW, D-10/TMW, WMW-2, WMW-3, WMW-6, E-2/TMW, E-3/TMW, E-4/TMW, E-10/TMW	DW / 10 GSI / 10
Barium	7440-39-3	**MW-60**	DW / 2,000 GSI / 1,800
Chromium, Total	7440-47-3	**MW-103s**, MW-105d, WMW-19, C2/TMW, WMW-29, WMW-30, D-1/TMW, D-9/TMW, E-2/TMW, E4/TMW	GSI / 11
Chromium VI	18540-29-9	**MW-60**	GSI / 11

Parameter	CAS Number	Sample Identification with Criteria Exceedance (Highest Concentration in Bold)	Part 201 Residential Criteria Exceeded/ Established Criteria (ug/L)
Iron	7439-89-6	MW-36, MW-51A, MW-58D, MW-59, MW-60, MW-61, MW-62, MW-2, MW-4, MW-5, MW-6, MW-9s, MW-9d, MW-10s, MW-10d, MW-11s, MW-11d, MW-12s, MW-12d, MW-13, MW-100s, MW-100d, MW-101s, MW-102s, **MW-103s**, MW-104s, MW-105s, MW-105d, MW-106s, MW-106d, PZ-2, PZ-4, PZ-5, DMW-107, MWM-11, WMW-12, WMW-13, WMW-14, WMW-15, WMW-16, WMW-17, WMW-18, WMW-19, WMW-20, WMW-21, WMW-22, WMW-23, WMW-24, WMW-25, WMW-26, WMW-27, WMW-28, WMW-29, WMW-30, D-1/TMW, D-9/TMW, WMW-2, WMW-3, WMW-4, WMW-5, WMW-6, WMW-7, E-2/TMW, E4/TMW, E7/TMW, E10/TMW, WMW-8, WMW-9, WMW-10	DW / 300
Lead	7439-92-1	MW-36, MW-51A, MW-60, MW-61, MW-62, MW-5, MW-9d, MW-10s, MW-11s, MW-103s, MW-105d, PZ-2, PZ-4, WMW-13, WMW-17, WMW-20, WMW-22, C2/TMW, WMW-29, **D-1/TMW**, D-6/TMW, D-8/TMW, D-9/TMW, E-2/TMW	DW / 4 GSI / 14
Manganese	7439-96-5	MW-36, MW-51A, MW-58D, MW-59, MW-60, MW-61, MW-62, MW-2, MW-4, MW-5, MW-6, MW-9s, MW-9d, MW-10s, MW-10d, MW-11s, MW-11d, MW-12s, MW-12d, MW-13, MW-100s, MW-100d, MW-101s, MW-102s, MW-103s, MW-104s, MW-105s, MW-105d, MW-106s, MW-106d, PZ-2, PZ-4, PZ-5, DMW-107, WMW-11, WMW-12, WMW-13, WMW-14, WMW-15, WMW-16, WMW-17, **WMW-18**, WMW-19, WMW-20, WMW-21, WMW-22, WMW-23, WMW-24, WMW-25, WMW-26, WMW-27, WMW-28, WMW-29, WMW-30, D-1/TMW, D-9/TMW, WMW-2, WMW-3, WMW-4. WMW-5, WMW-6, WMW-7, E-2/TMW, E4/TMW, E7/TMW, E10/TMW, WMW-8, WMW-10	DW / 50 GSI / 1,300
Mercury, Total	7439-97-6	PS-37, **PS-49**, MW-51A, MW-58D, MW-60, MW-62, MW-6, MW-9s	GSI / 0.0013
Mercury, Low Level	7439-97-6	MW-6, MW9s, MW-10d, WMW-11, **WMW-3**	GSI / 0.0013
Selenium	7782-49-2	**MW-5**, MW-9d, D-10/TMW	GSI / 5
Silver	7440-22-4	MW-61, WMW-30, **D-10/TMW**, E10/TMW	GSI / 0.2

Parameter	CAS Number	Sample Identification with Criteria Exceedance (Highest Concentration in Bold)	Part 201 Residential Criteria Exceeded/ Established Criteria (ug/L)
Sodium	7440-23-5	**MW-9d**, MW-11s, MW-105s, MW-105d, MW-106d, WMW-27, WMW-30, WMW-4, E10/TMW, WMW-9, WMW-10	DW / 2.30E+5
Vanadium	7440-62-2	MW-51A, MW-61, MW-62, MW-9d, MW-100s, **MW-103s**, MW-105d, PZ-2, WMW-20, WMW-22, WMW-26, WMW-27, WMW-28, WMW-29, WMW-30, D-1/TMW, E-2/TMW, E4/TMW, E7/TMW	DW / 4.5 GSI / 12
Zinc	7440-66-6	**WMW-19**	GSI / 370
Ammonia	7664-41-7	MW-6, MW-9s, MW-9d, **MW-10s**, MW-10d, MW-11s, MW-11d, MW-12d, MW-100s, MW-100d, D-1/TMW, D-9/TMW, WMW-3, WMW-4, WMW-6, E-2/TMW	GSI / 53
PCB, Aroclor 1254	11097-69-1	**MW-51A**	GSI / 0.2
Benzo(a)anthracene	56-55-3	MW-51A, **MW-59**	DW / 2.1
Benzo(a)pyrene	50-32-8	**MW-59**	DW / 5
Benzo(b)fluoranthene	205-99-2	MW-51A, **MW-59**	DW / 1.5
Benzo(g,h,i)perylene	191-24-2	MW-36, MW-51A, MW-58D, **MW-59**, MW-60, MW-61, MW-62	DW / 1
Benzo(k)fluoranthene	207-08-9	MW-51A, **MW-59**	DW / 1
Chrysene	218-01-9	MW-51A, **MW-59**	DW / 1.6
Fluoranthene	206-44-0	MW-51A, **MW-59**, MW-60, MW-61, MW-62, MW-5, WMW-11	GSI / 1.6
Indeno(1,2,3-cd)pyrene	193-39-5	MW-36, MW-51A, MW-58D, **MW-59**, MW-60, MW-61, MW-62, MW-5	DW / 2
Phenanthrene	85-01-8	MW-51A, **MW-59**, MW-60, MW-61, MW-62, WMW-11	GSI / 2
Benzene	71-43-2	**MW-36**	DW / 5
cis-1,2-Dichloroethylene	156-59-2	MW-2, MW-105s, **MW-106d**	DW / 70
Ethylbenzene	100-41-4	**WMW-20**	GSI / 18
2-Methylnaphthalene	91-57-6	**MW-36**, WMW-23	GSI / 19

Parameter	CAS Number	Sample Identification with Criteria Exceedance (Highest Concentration in Bold)	Part 201 Residential Criteria Exceeded/ Established Criteria (ug/L)
Tetrachloroethylene	127-18-4	**WMW-27**	DW / 5 GSI / 60
Trichloroethylene	79-01-6	MW-2, MW-4, MW-11s, MW-105s, **MW-106d**, DMQ-107	DW / 5 GSI / 200
Vinyl chloride	75-01-4	MW-11s, MW-11d, **MW-105s**, MW-105d, PZ-4, PZ-5, WMW-16, WMW-19	DW / 2 GSI / 13

Table Notes:
ug/L – microgram per liter
DW – Drinking Water Criteria
GSI – Groundwater Surface Water Interface Criteria

Summary of Groundwater Analytical Results for Parcels J and K

Parameter	CAS Number	Sample Identification with Criteria Exceedance (Highest Concentration in Bold)	Part 201 Residential Criteria Exceeded/ Established Criteria (µg/L)
Lead	7439-92-1	**TMW-2**	DW / 4
Mercury	Varies	TMW-1, **TMW-2**, TMW-3	GSIP / 0.0013

Table Notes:
ug/L – microgram per liter
DW – Drinking Water Criteria
GSI – Groundwater Surface Water Interface Criteria

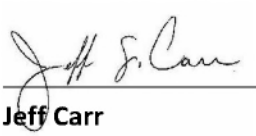
Also refer to the attached **Tables 1 through 4** for a summary of hazardous substances detected at the subject property and a comparison to RCC.

3.2 Laboratory Analytical Data

Refer to Facility IDs: 50002169, 25000011, and 00002683 for laboratory analytical results, as maintained by EGLE RRD. Additionally, BEA No. B201301804LA, B201602243LA, B201702304LA, B201702305LA, B201702363LA and 25000011-BEA-1, on file with EGLE.

4.0 Signatures of Environmental Professionals and Qualifications

The following individuals contributed to the completion of this BEA. Copies of their resumes are provided as Appendix C.



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AKT Peerless
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5.0 All Appropriate Inquiry Report

A copy of the Phase I ESA, dated March 3, 2023, is included in Appendix B. Per EGLE requirements, the environmental database search report and copies of EGLE files, if any, have been removed from the Phase I ESA document.

6.0 References

The following is a list of reference material not included in this document:

- Part 201 of the Natural Resources and Environmental Protection Act, Public Act 451 of 1994, as amended.
- "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," ASTM, Designation: E 1527-21.
- "Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process," ASTM Designation: E 1903-11.
- Facility IDs: 50002169, 25000011, and 00002683, as maintained by EGLE RRD.
- *BEA*, prepared by Weston Solutions Inc. in October 2016 on behalf of The City of Flint (BEA No. B201301804LA).
- *BEA*, prepared by Compliance, Inc. in October 2016 on behalf of Kettering University (BEA No. B201602243LA).
- *BEA*, prepared by Compliance, Inc. in October 2016 on behalf of Genesee County and Genesee County Parks & Recreation Commission (BEA Numbers: B201702304LA and B201702305LA, respectively).
- *BEA*, prepared by AKT Peerless in July 2017 on behalf of Genesee County Parks & Recreation Commission (BEA No. B201702363LA).
- *BEA*, prepared by AKT Peerless in January 2020 on behalf of Genesee County (BEA No. 25000011-BEA-1).

7.0 Limitations

In performing its assessment, AKT Peerless has used reasonable care and has performed its work in keeping with industry standards and standard agency procedures as appropriate. AKT Peerless can offer

no assurances and assumes no responsibility for site conditions or activities outside the limited scope of the inquiry requested by the Client. There can be no assurance, and AKT Peerless offers no assurance, that site conditions do not exist or could not exist in the future which could lead to liability in connection with the subject property. Accordingly, AKT Peerless has analyzed the information obtained in its limited investigation in keeping with existing environmental standards and enforcement practices, but cannot accurately predict what actions any given agency may take presently or what standards and practices may apply to the subject property in the future.

Although reasonable due diligence has been exercised in the design and conduct of this study, it must be noted that the results of this investigation do not provide sufficient information to warranty that no environmental risks are associated with well-disguised or illegal chemical and/or waste management activities.

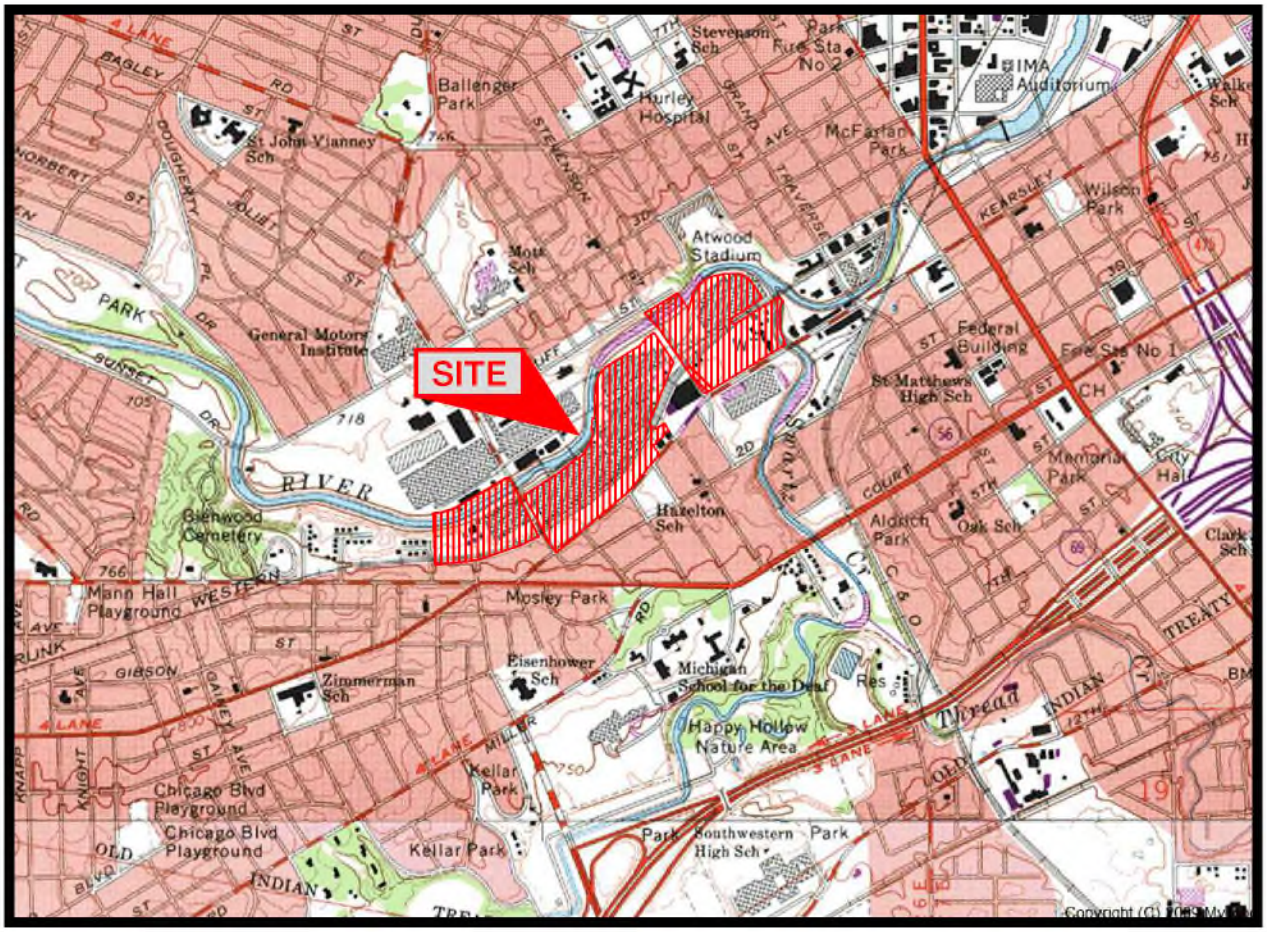
This report has been prepared for the sole use of the Client. This report and the findings contained herein shall not be relied upon by any third party, in whole or in part, without the prior written consent of AKT Peerless. This report and the findings contained herein shall not be disclosed, disseminated or conveyed to any third party, in whole or in part, except as directed by the Client or as required by law or regulation.

Figures

FLINT NORTH QUADRANGLE

MICHIGAN - GENESEE COUNTY

7.5 MINUTE SERIES (TOPOGRAPHIC)



T.7 N.-R.6 E.

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 0 1 KILOMETER

MICHIGAN
QUADRANGLE LOCATION



IMAGE TAKEN FROM 1969 U.S.G.S. TOPOGRAPHIC MAP
PHOTOREVISED 1975

AKT PEERLESS
ENVIRONMENTAL SERVICES

TOPOGRAPHIC LOCATION MAP

CHEVY COMMONS
FLINT, MICHIGAN
PROJECT NUMBER: 17713s -5-26

DRAWN BY: OGO
DATE: 12/02/2022

FIGURE 1

N
W E
S

ATWOOD STADIUM
701 WEST 3RD STREET

STADIUM PARKING

FLINT RIVER

VACANT GRASSY LOT

TENACITY BREWING
119 NORTH GRAND TRAVERSE STREET
(BEA, SHWS, WASTE)

RAY COURT

RAY STREET

VACANT
GRASSY LOT

VACANT
GRASSY LOT
1100 BLUFF STREET

BLUFF STREET

BANGS STREET

FROST STREET

COTTAGE GROVE AVENUE

MORRIS COURT

MATTHEWSON STREET

CADILLAC STREET

PARCEL G

PARCEL D

GRASS

PARCEL H

ASPHALT

COMMERCIAL
VACANT BUILDING
630 WEST KEARSLEY STREET
(BEA, FED BROWNFIELDS,
UST, WASTE)

BANDS STREET

PARCEL I

CONCRETE
PARKING LOT

VACANT GRASSY LOT
712 WEST KEARSLEY STREET
(BEA, FED BROWNFIELDS)

PARCEL J

PARCEL E

B-6

GRASS

GRASS

GRASS

GRASS

MATTHEWSON STREET

KEARSLEY STREET

PARCEL B

CONSUMER'S ENERGY
SUBSTATION
320 SOUTH
STEVENSON STREET
(AUL, SHWS, PFAS
WASTE)

GENERAL MOTORS METAL FABRICATION
425 SOUTH STEVENSON STREET
(RCRA SQG, RCRA NON-GEN, WASTE, SPILLS)

SWARTZ CREEK

KETTERING UNIVERSITY
GM MOBILITY RESEARCH CENTER
304 NORTH CHEVROLET AVENUE
(RCRA VSQG, WASTE, FINDS/FRS)

GRASS

VACANT
GRASSY LOT
417 ASYLUM STREET
(BEA)

B-3/TMW-3

COMMERCIAL
VACANT BUILDING
1222 GLENWOOD AVENUE

CHASE STREET

KETTERING UNIVERSITY/VACANT GRASSY LOT
1700 WEST 3RD STREET
(LUST, AUL, WASTE)

CHEVROLET AVENUE

GRASS

B-18

CONSUMERS ENERGY SUBSTATION
300 NORTH CHEVROLET AVENUE

VACANT
GRASSY LOTS

GRASS

B-2/TMW-2

ASYLUM STREET

FLINT RIVER

PARCEL F

GRASS

ASPHALT

PARCEL K

B-17

HAZELTON STREET

CONCRETE
PAD

B-1/TMW-1

PARCEL A

PARCEL C

GLENWOOD AVENUE

VACANT
GRASSY LOTS

VACANT
WOODED LOT

GRASS

B-16

GRASS

WEST 2nd STREET

VACANT
GRASSY LOT
(BEA, UST, LUST)

KETTERING
UNIVERSITY SIGN
420 SOUTH
CHEVROLET AVENUE

THAYER STREET

RESIDENTIALS
2001-2002 BECKWITH COURT

CENTER STREET

GENESEE VALLEY TRAIL

VACANT GRASSY LOT
1730 GLENWOOD AVENUE
(BEA)

TOX STREET

RAY'S GARAGE
1940
WEST COURT STREET
(WASTE)

VACANT
GRASSY LOT

VACANT GRASSY LOT
1701 GLENWOOD AVENUE
(RCRA VSQG, WASTE, BEA, UST, LUST)

LEGEND

= APPROXIMATE PROPERTY LINE
= APPROXIMATE PARCEL LINE
= STORM DRAIN
= FIRE HYDRANT
= MONITORING WELL
= SOIL BORING
= SOIL BORING/TEMPORARY MONITORING WELL

DRAWN BY: OGO/SES
DATE: 02/15/2023

0 200 400
SCALE: 1" = 400'

FIGURE 2

SUBJECT PROPERTY MAP

CHEVY COMMONS
FLINT, MICHIGAN
PROJECT NUMBER: 17713s -5-26

AKTPEERLESS™
ENVIRONMENTAL SERVICES


Imagery Souce: ESRI Bing Maps
FLINT RIVER
MW-P5-19
SB-15
SB06
MW-P5-51A
SB-19
SB07
SB-14
MW-P5-51
MW-P5-48
SB01
MW-P5-49
SB-32
MW-P5-01
SB08
MW-P5-54
SB-18
MW-P5-55D
SB-13
OUTFALL/SHEEN
SB03
SB04
SB-24
MW-P5-12
SB11
MW-P5-46
MW-P5-37
SB-12
MW-P5-38
SB-26
SB02
SW01
MW-P5-23
MW-P5-06
MW-P5-13
SB-35
MW-P5-45
SB10
SB09
SB05
MW-P5-55S
SB-23
MW-P5-59
SB-17
SB-27
SB-22
SB-34/34A
SB-29
SB-16
SB-37
SB-28
SB-33
SB-36
MW-P5-56D
MW-P5-58S
MW-P5-58D
MW-P5-36
MW-P5-35
MW-P5-56S
SB-21
MW-P5-25
SB-30
SB-25
MW-P5-57
SB-20
SB-31
Legend
September 2010 Sampling Locations
April 2011 Sampling Locations
Monitoring Wells
Soil Borings
N
0
100
Feet
Prepared For:
U.S. EPA REGION V
Contract No.: EP-S5-06-04
TDD: S05-0005-1103-002
DCN: 1391-2A-AMPQ
Prepared By:
WESTON SOLUTIONS
2501 Jolly Rd.
Suite 100
Okemos, Michigan 48864
Figure 3
Parcel A - Sample Location Map
Chevy in the Hole
Flint, Genesee County, Michigan
File: D:\Chevy_Hole\mxd\Report\F2_Actual_Samples_April2011.mxd, 10-May-11 15:44, wojdakon

Imagery Source: ESRI World Imagery

Parcel KU
Parcel A
Parcel B
Parcel C
Parcel D
Parcel E

MW-10
MW-11
MW-12R
MW-BLD02-36
MW-1
MW-14SR
MW-15S
MW-15D
MW-16
MW-17S
MW-17d
MW-12S
MW-12d
MW-19
MW-20
MW-21
MW-31
MW-6S
MW-6d
MW-6
MW-10S
MW-10d
MW-11d
MW-11S
MW-5
WMW-15
WMW-16
WMW-17
PZ-2
PZ-4
MW-4
MW-105S
MW-105d
MW-106S
MW-106d
MW-102S
MW-103S
MW-104S
MW-2
MW-2K
PZ-5
WMW-14
MW-13
WMW-12
WMW-11
MW-9S
MW-9d
WMW-13
WMW-1
WMW-2
WMW-3
WMW-4
WMW-5
WMW-6
WMW-7
WMW-8
WMW-9
WMW-10
WMW-27
WMW-20
WMW-19
MW-100S
MW-100d
WMW-21
WMW-22
MW-101S
WMW-28
WMW-23
WMW-24
WMW-25
WMW-29
WMW-26
WMW-30

N Chevrolet Ave
Cadillac St
Maines Ct
Cottage Grove Ave
Mathewson St
Banks St
Ray St
Ray Ct
Stevenson St
Island St
W Hamilton St
S Chevrolet Ave
Glenwood Ave
Hazelton St
Asylum St
W 2nd St
Scott St
Hall St
Davis St
Watson St
Thayer St
Cherry St
Fox St
W Court St
Center St
Cedar St
Blind Ct

Source: Esri, i-cubed, USDA, USGS, AEX, GeoEye, Getmapping, Aerogrid, IGN, IGP, and the GIS User Community, Copyright:© 2012 Esri, DeLorme, NAVTEQ, TomTom

FILE: D:\Chevy_Hole\mxd\SAR2014\F3_Locations.mxd 1/17/2014 4:20:12 PM wojdakon

Legend

- Former USTs
- *Potential UST Remaining On-Site*
- **Sampling Locations**
  - Groundwater
  - Soil & Groundwater
  - Soil & LNAPL
- Former Hazardous Substance Storage Areas
- Surrounding Parcels
- Subject Parcels

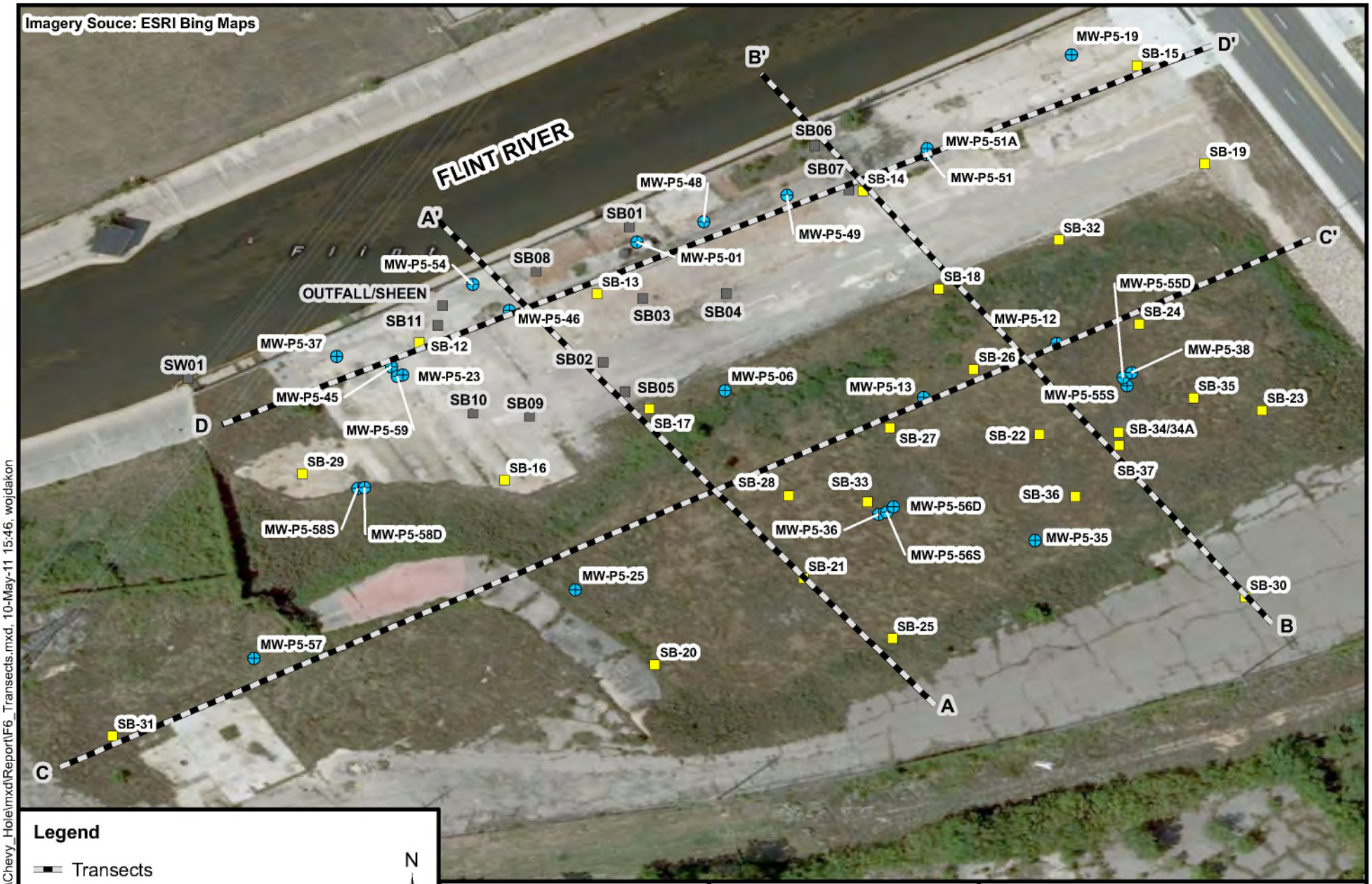
0 400 Feet

N

Prepared For:
US EPA Region V
Contract No.: EP-S5-06-04
TDD: S05-0001-1206-017
DCN: 1887-2A-BKFZ

Prepared By:
WESTON SOLUTIONS, INC.
360 E. Maple Road
Suite R
Troy, MI 48083

Figure 4
Parcel B, C, D, & E - Sample Location Map
Chevy in the Hole
Flint, Genesee County, Michigan



Legend

- Transects
- September 2010 Sampling Locations

April 2011 Sampling Locations

- Monitoring Wells
- Soil Borings

N

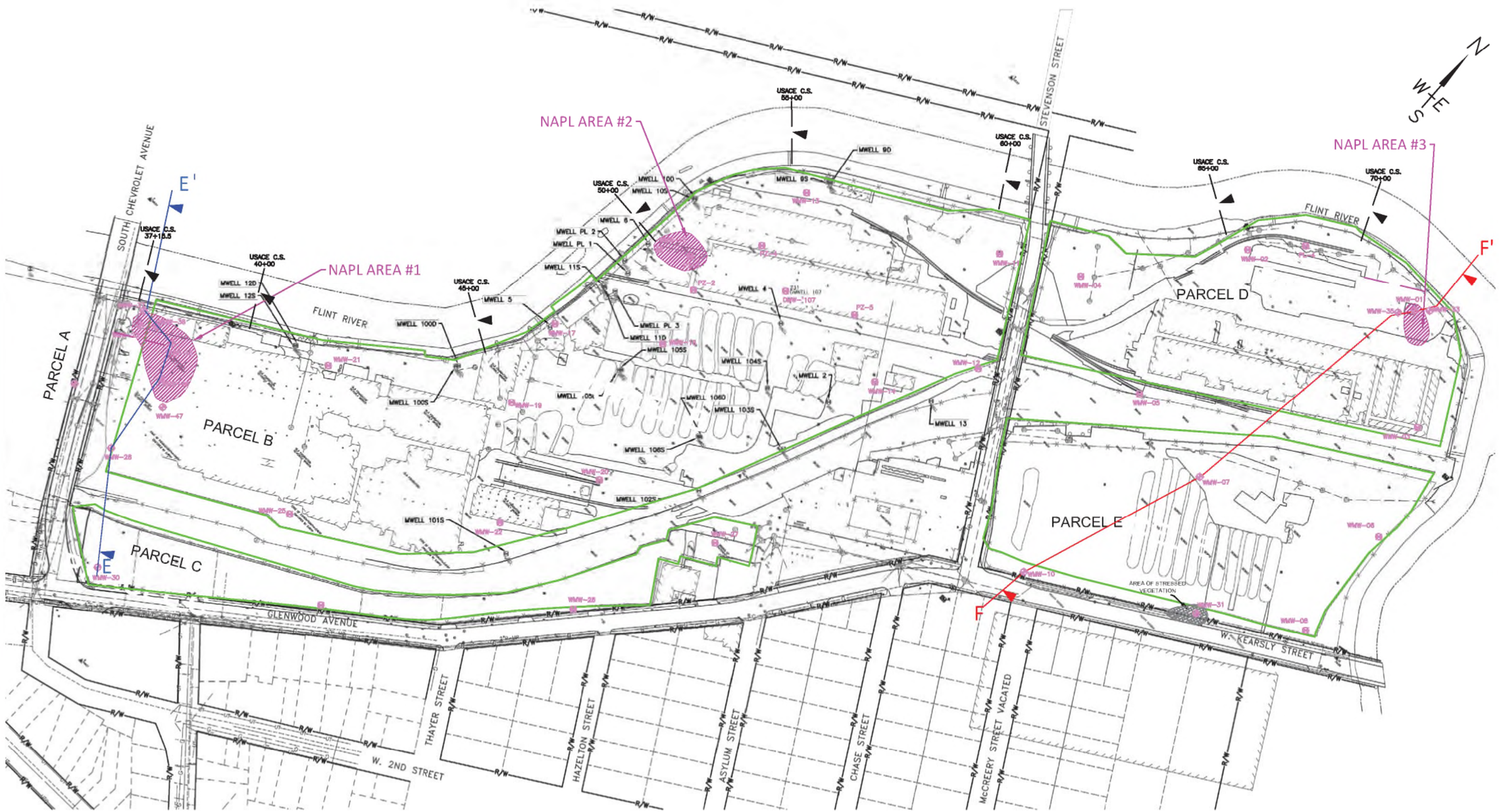
0 100 Feet

Prepared For:
U.S. EPA REGION V
Contract No.: EP-S5-06-04
TDD: S05-0005-1103-002
DCN: 1391-2A-AMPQ

Prepared By:
WESTON SOLUTIONS
2501 Jolly Rd.
Suite 100
Okemos, Michigan 48864

Figure 5
Parcel A - Cross Section Map
Chevy in the Hole
Flint, Genesee County, Michigan

File: D:\Chevy_Hole\mxd\Report\F6_Transects.mxd, 10-May-11 15:46, wojdakon



DRAWN BY: OGO/ARR
DATE: 03/25/2015

0 125 250
SCALE: 1" = 250'

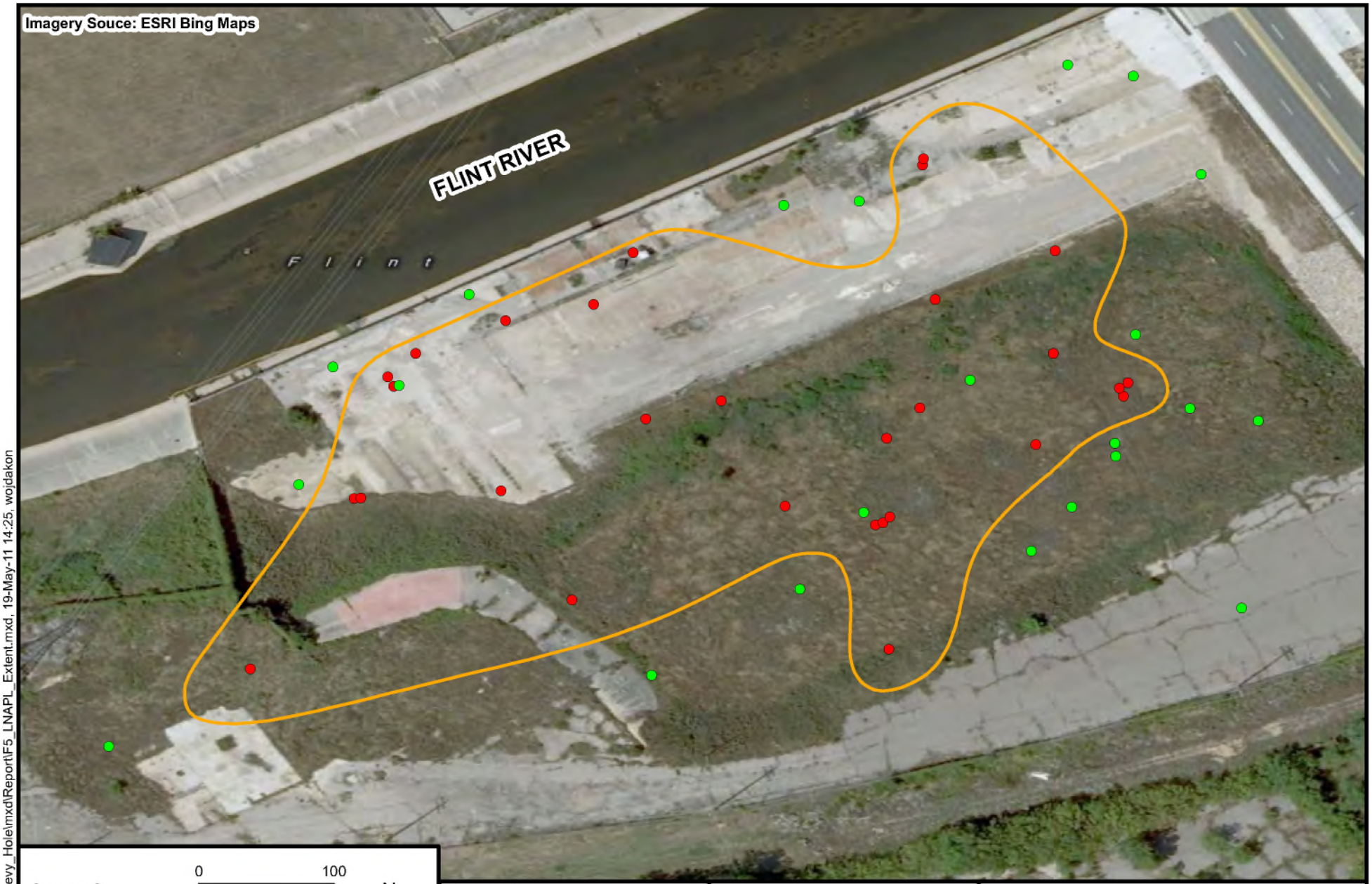
FIGURE 6

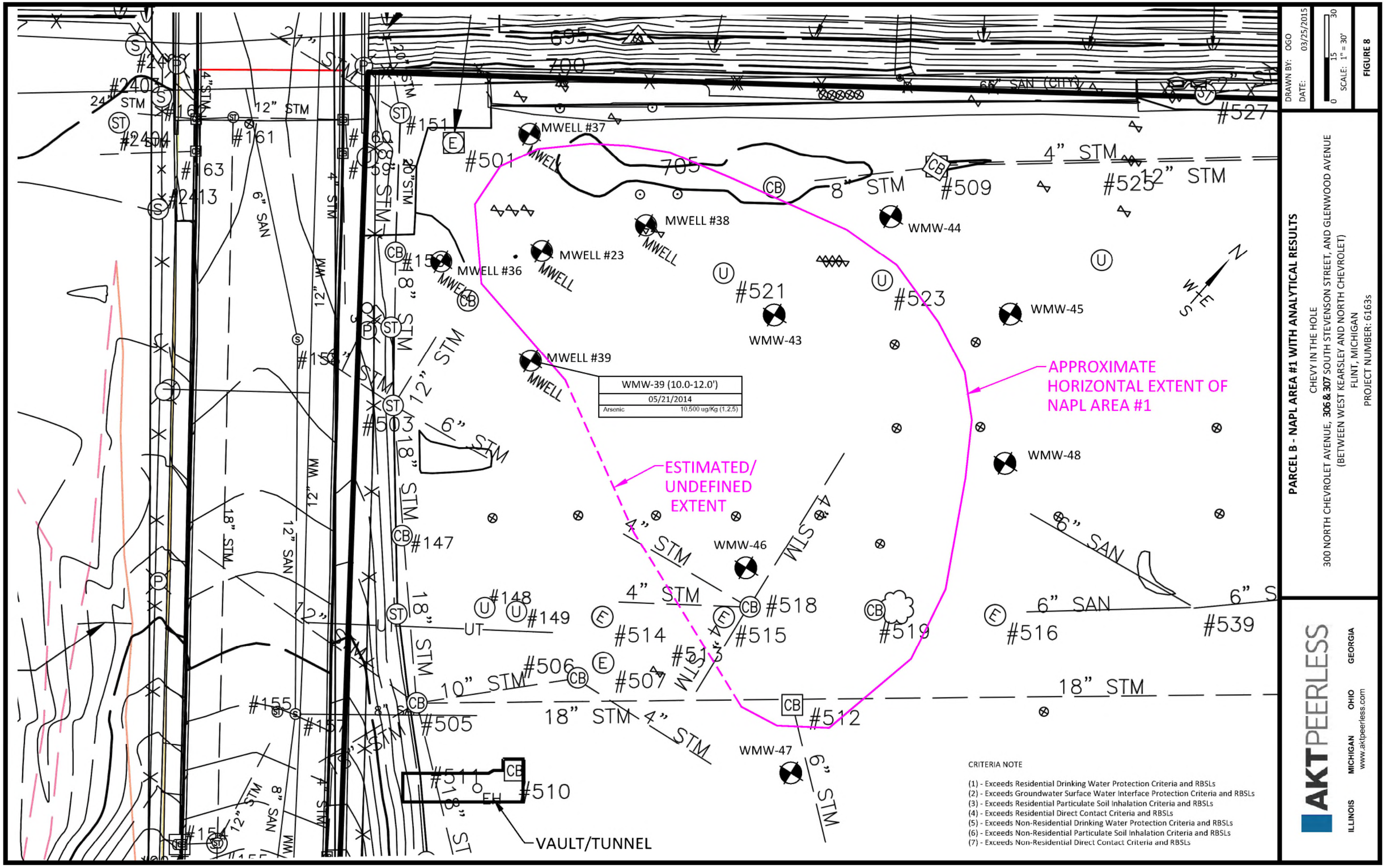
PARCEL B, C, D, & E - CROSS SECTION MAP WITH NAPL AREAS

300 NORTH CHEVROLET AVENUE, **306 & 307** SOUTH STEVENSON STREET, AND GLENWOOD AVENUE
(BETWEEN WEST KEARSLEY AND NORTH CHEVROLET)
FLINT, MICHIGAN
PROJECT NUMBER: 61635

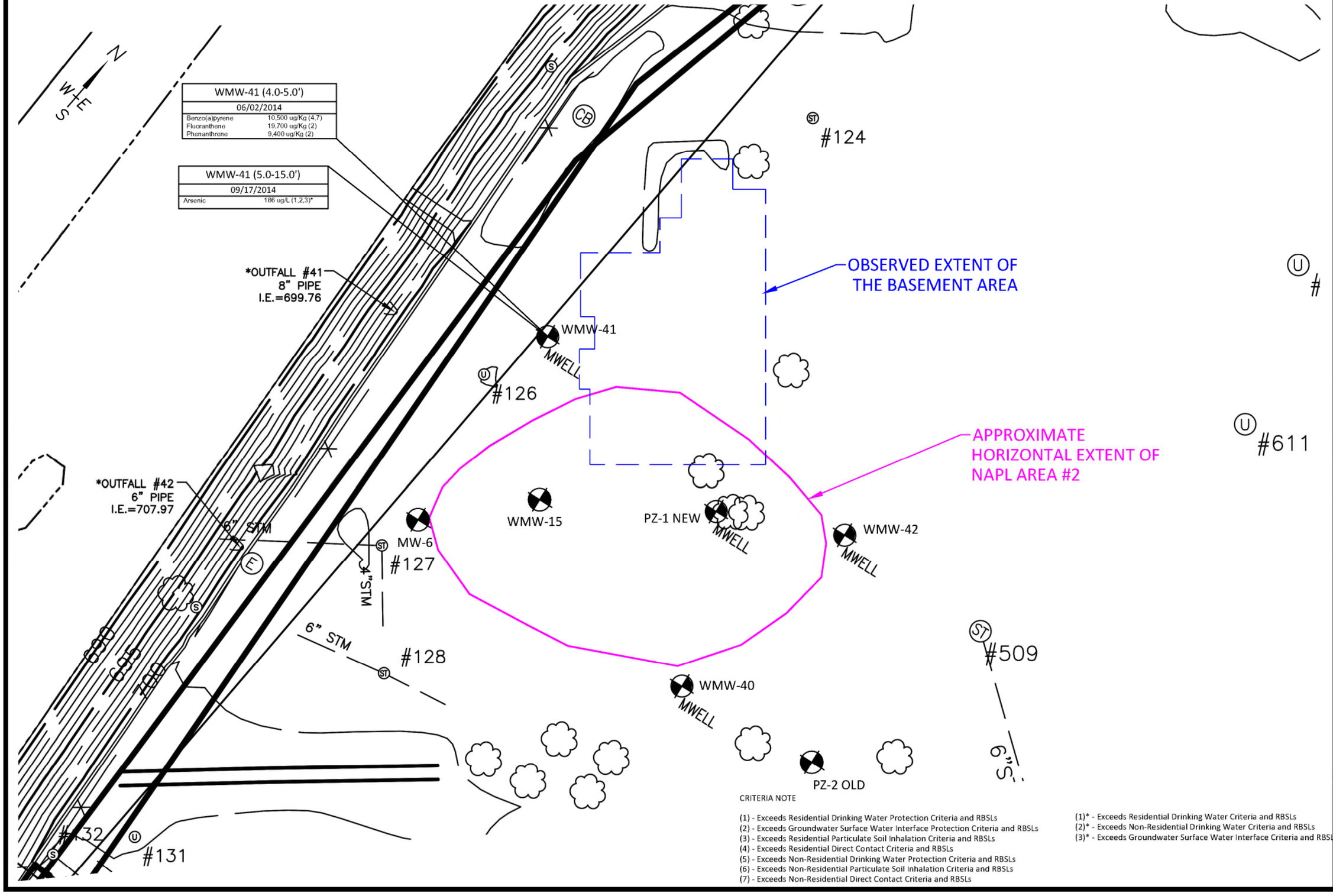
CHEVY IN THE HOLE

AKTPEERLESS
ILLINOIS MICHIGAN OHIO GEORGIA
www.aktpeerless.com


Imagery Souce: ESRI Bing Maps
FLINT RIVER
F l i n t
Legend
0
100
Feet
N
LNAPL Not Detected
LNAPL Detected
Extent of LNAPL Contamination
Prepared For:
U.S. EPA REGION V
Contract No.: EP-S5-06-04
TDD: S05-0005-1103-002
DCN: 1391-2A-AMPQ
Prepared By:
WESTON SOLUTIONS
2501 Jolly Rd.
Suite 100
Okemos, Michigan 48864
Figure 7
Parcel A - NAPL Area
Chevy in the Hole Flint,
Genesee County,
Michigan
File: D:\Chevy_Hole\mxd\Report\F5_LNAPL_Extent.mxd, 19-May-11 14:25, wojdakon



Chevy Commons BEA Figure 8



CRITERIA NOTE

(1) - Exceeds Residential Drinking Water Protection Criteria and RBSLs
(2) - Exceeds Groundwater Surface Water Interface Protection Criteria and RBSLs
(3) - Exceeds Residential Particulate Soil Inhalation Criteria and RBSLs
(4) - Exceeds Residential Direct Contact Criteria and RBSLs
(5) - Exceeds Non-Residential Drinking Water Protection Criteria and RBSLs
(6) - Exceeds Non-Residential Particulate Soil Inhalation Criteria and RBSLs
(7) - Exceeds Non-Residential Direct Contact Criteria and RBSLs

(1)* - Exceeds Residential Drinking Water Criteria and RBSLs
(2)* - Exceeds Non-Residential Drinking Water Criteria and RBSLs
(3)* - Exceeds Groundwater Surface Water Interface Criteria and RBSL

DRAWN BY: OGO
DATE: 03/25/2015

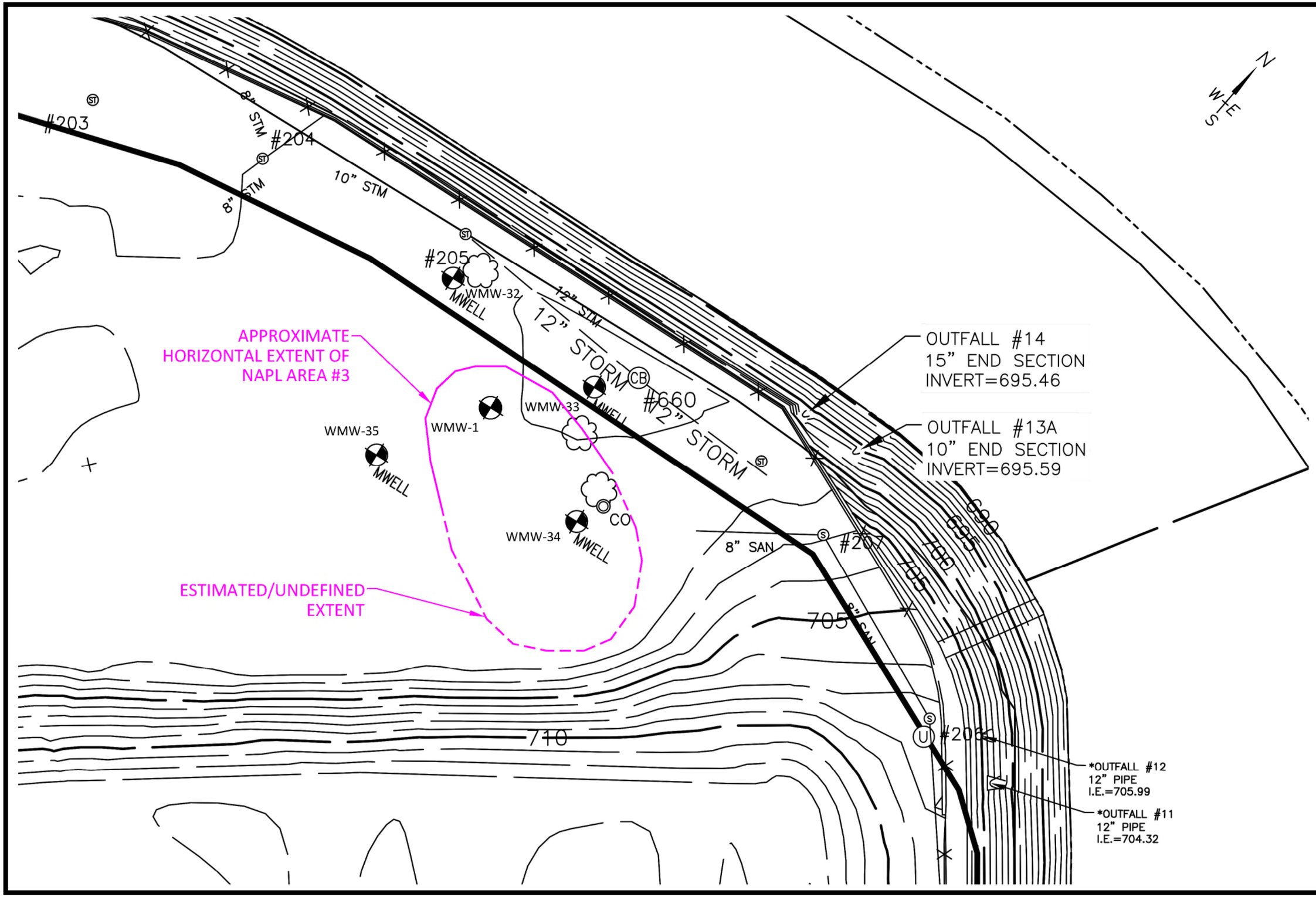
0 15 30
SCALE: 1" = 30'

FIGURE 9

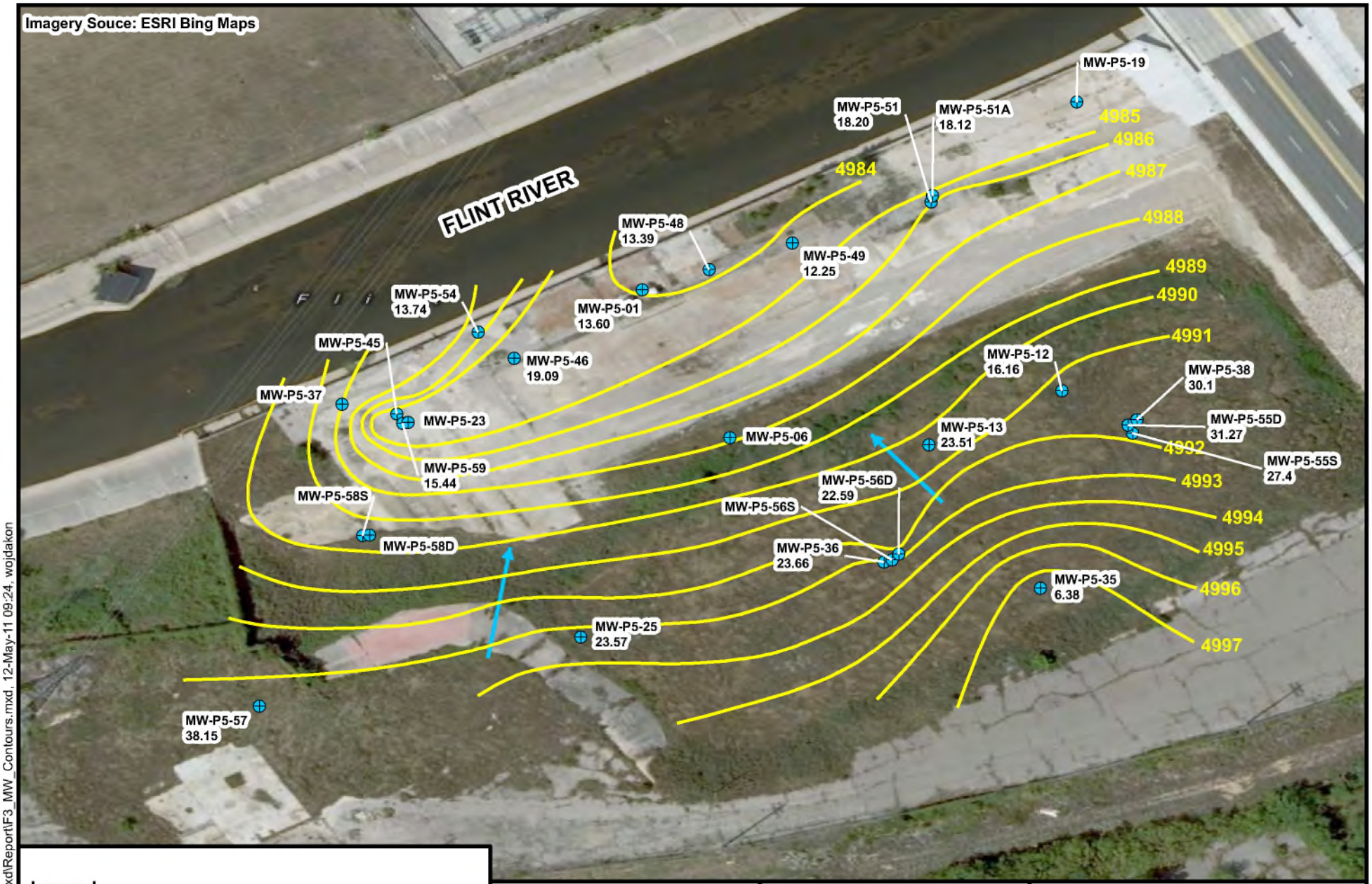
PARCEL B - NAPL AREA #2 WITH ANALYTICAL RESULTS

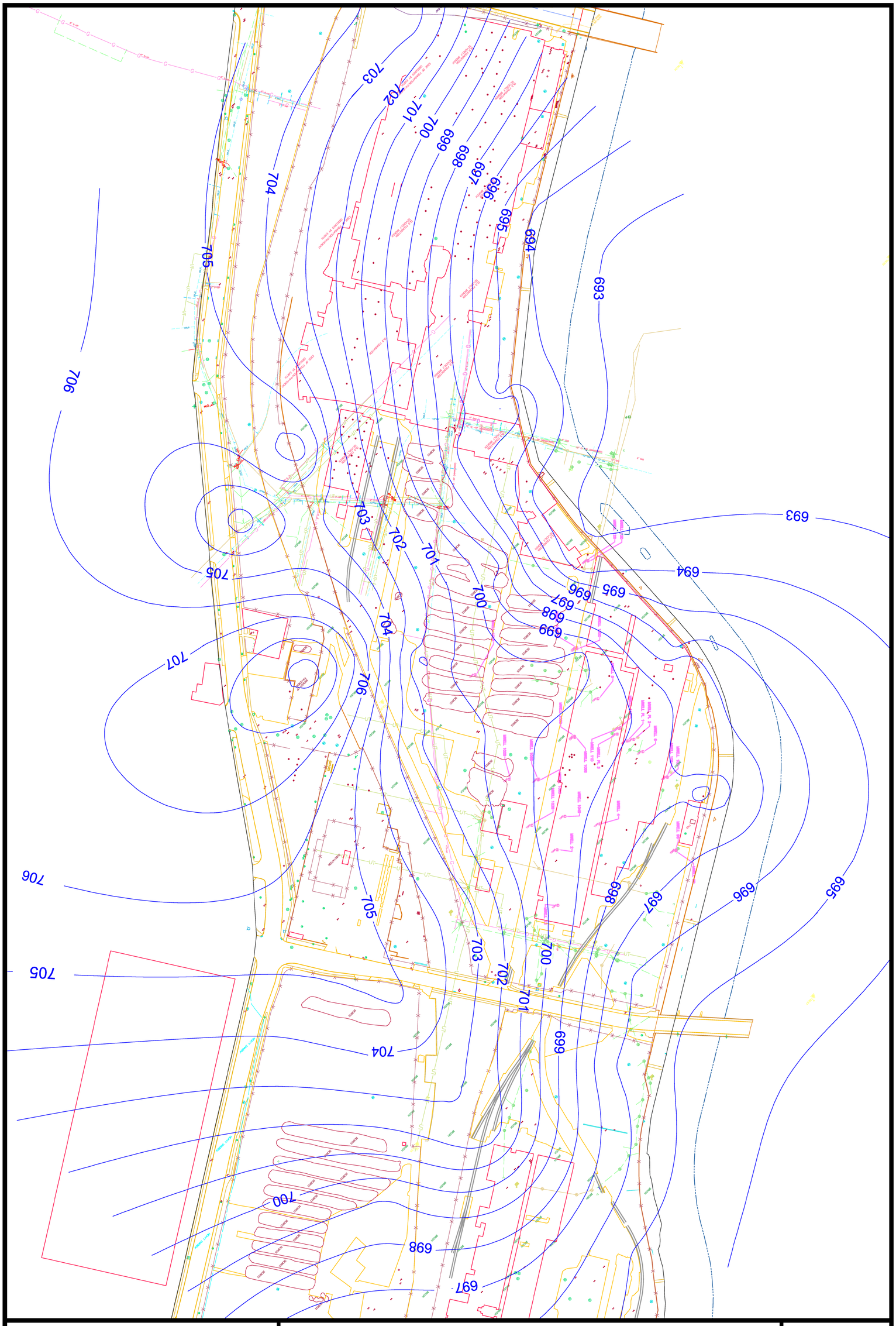
CHEVY IN THE HOLE
300 NORTH CHEVROLET AVENUE, **306 & 307** SOUTH STEVENSON STREET, AND GLENWOOD AVENUE
(BETWEEN WEST KEARSLEY AND NORTH CHEVROLET)
FLINT, MICHIGAN
PROJECT NUMBER: 6163s

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Chevy Commons BEA Figure 10


Imagery Souce: ESRI Bing Maps
FLINT RIVER
MW-P5-19
MW-P5-51
18.20
MW-P5-51A
18.12
4985
4986
4984
4987
MW-P5-48
13.39
4988
MW-P5-49
12.25
4989
MW-P5-54
13.74
4990
MW-P5-01
13.60
4991
MW-P5-45
MW-P5-46
19.09
MW-P5-12
16.16
MW-P5-38
30.1
MW-P5-37
MW-P5-23
MW-P5-55D
31.27
MW-P5-06
MW-P5-13
23.51
4992
MW-P5-59
15.44
MW-P5-55S
27.4
MW-P5-56D
22.59
4993
MW-P5-58S
MW-P5-56S
4994
MW-P5-58D
MW-P5-36
23.66
4995
MW-P5-35
6.38
4996
MW-P5-25
23.57
4997
MW-P5-57
38.15
Legend
0
100
Feet
N
Monitoring Wells
Groundwater Contours (April 2011)
Groundwater Flow Direction
Prepared For:
U.S. EPA REGION V
Contract No.: EP-S5-06-04
TDD: S05-0005-1103-002
DCN: 1391-2A-AMPQ
Prepared By:
WESTON SOLUTIONS
2501 Jolly Rd.
Suite 100
Okemos, Michigan 48864
Figure 18
Parcel A - Groundwater Contour Map, April 2011
Chevy in the Hole
Flint, Genesee County, Michigan
File: D:\Chevy_Hole\mxd\Report\F3_MW_Contours.mxd, 12-May-11 09:24, wojdakon



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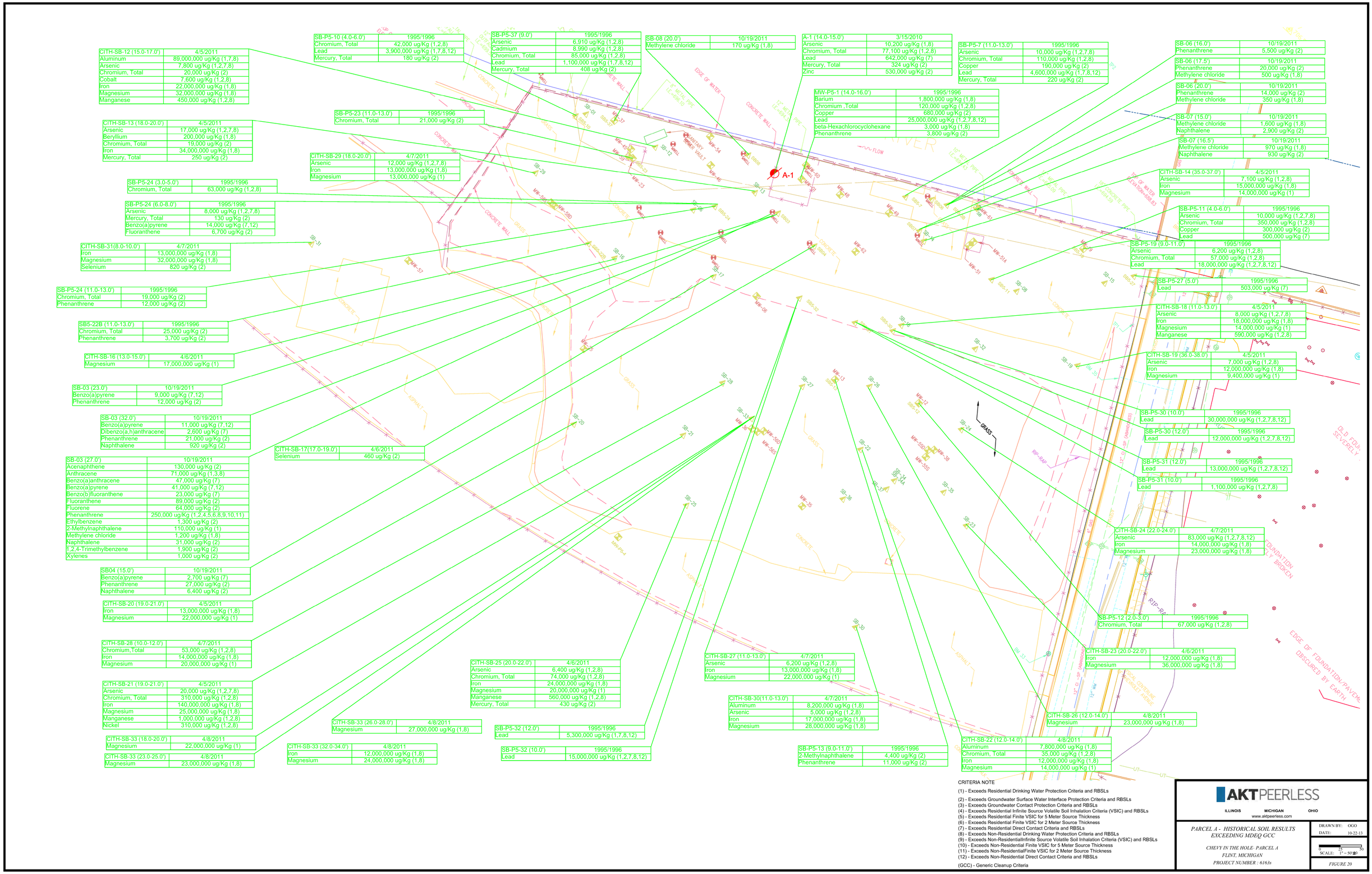
PARCEL B, C, D, & E - GROUNDWATER CONTOUR MAP, APRIL 2014

CHEVY IN THE HOLE
300 NORTH CHEVROLET AVENUE, 306 & 307 SOUTH STEVENSON STREET, AND GLENWOOD AVENUE
(BETWEEN WEST KEARSLEY AND NORTH CHEVROLET)
FLINT, MICHIGAN
PROJECT NUMBER: 6163s

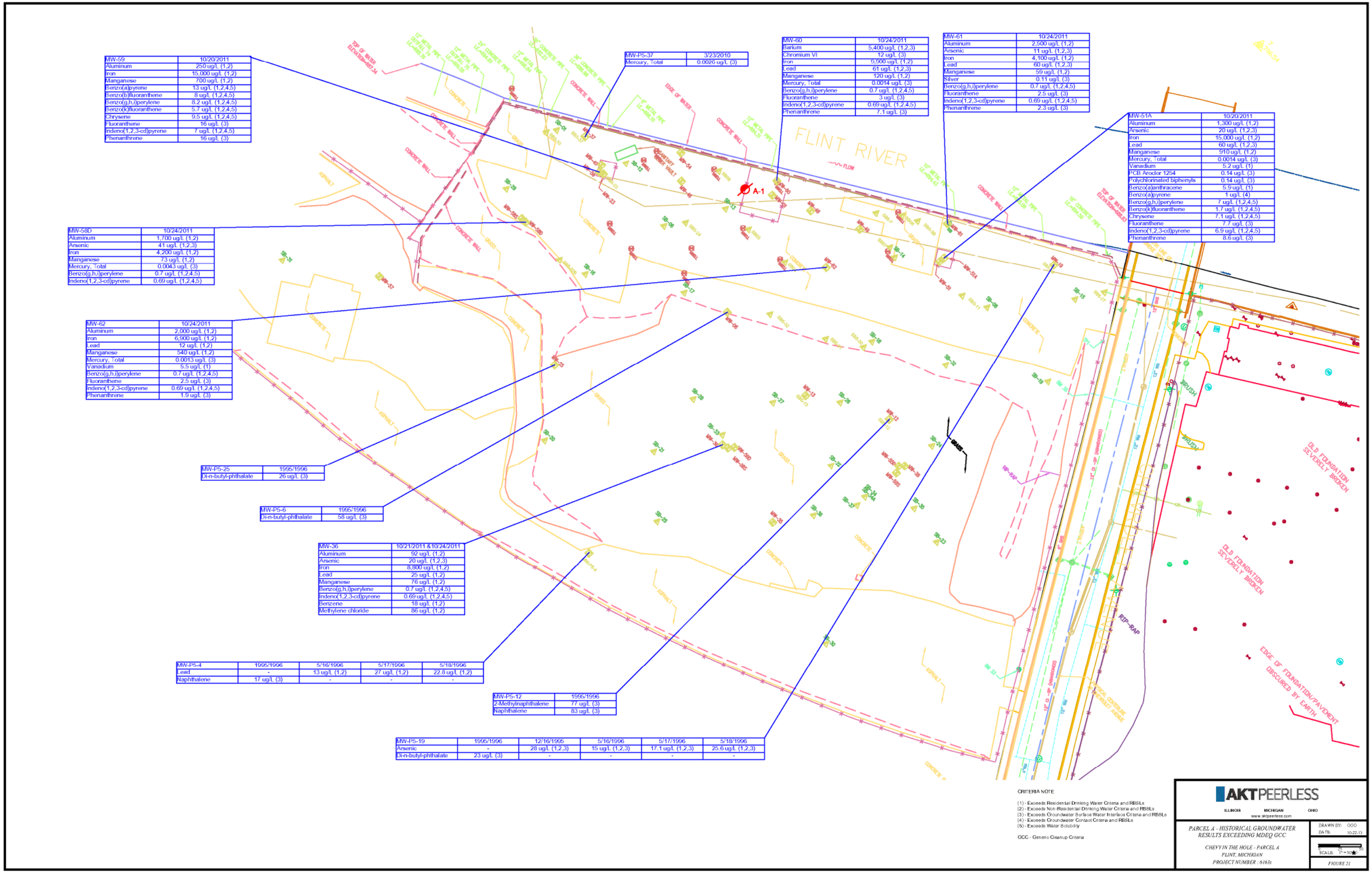
DRAWN BY: OGO
DATE: 03/25/2015

0 100 200
SCALE: 1" = 200'

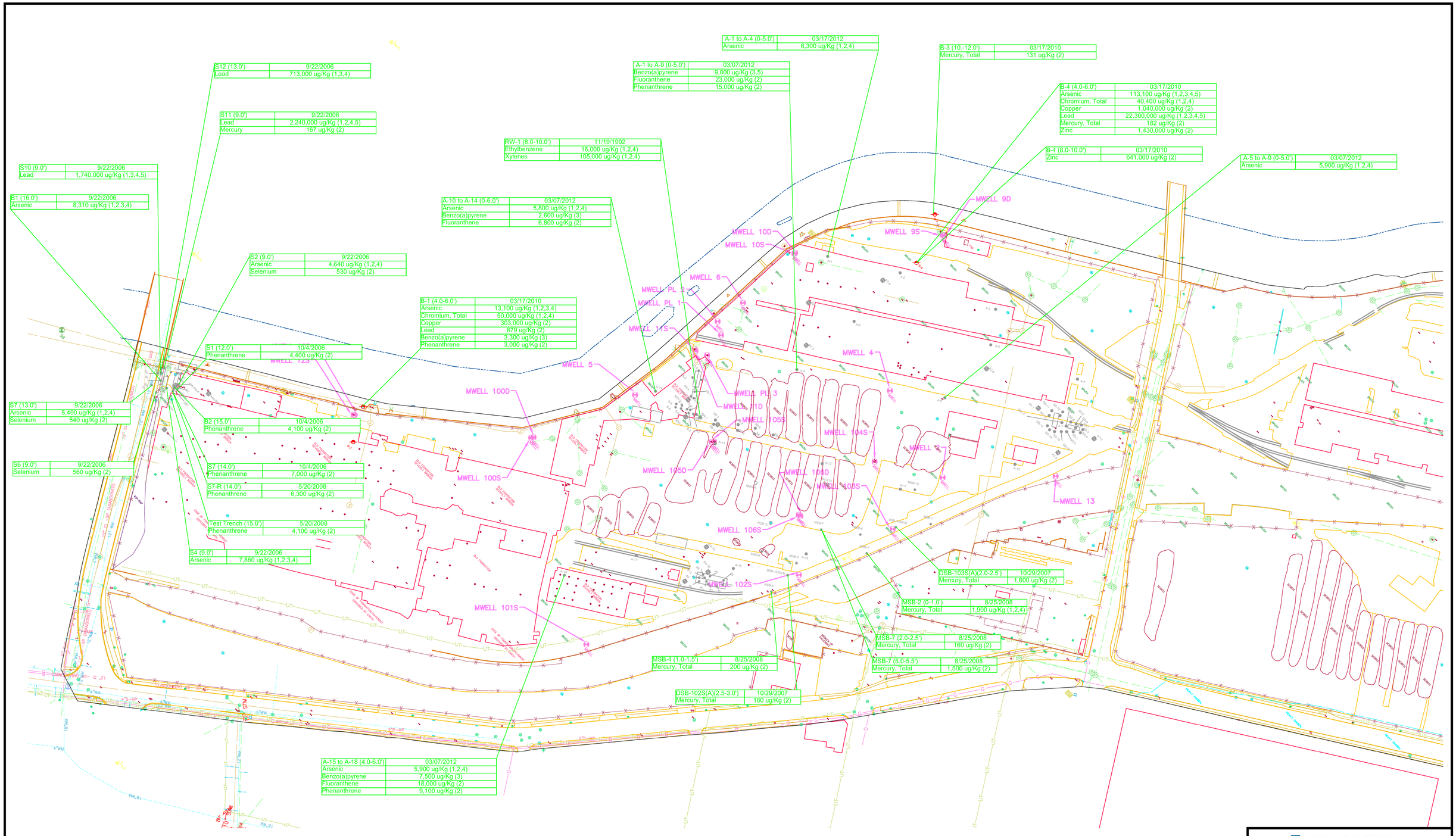
FIGURE 19



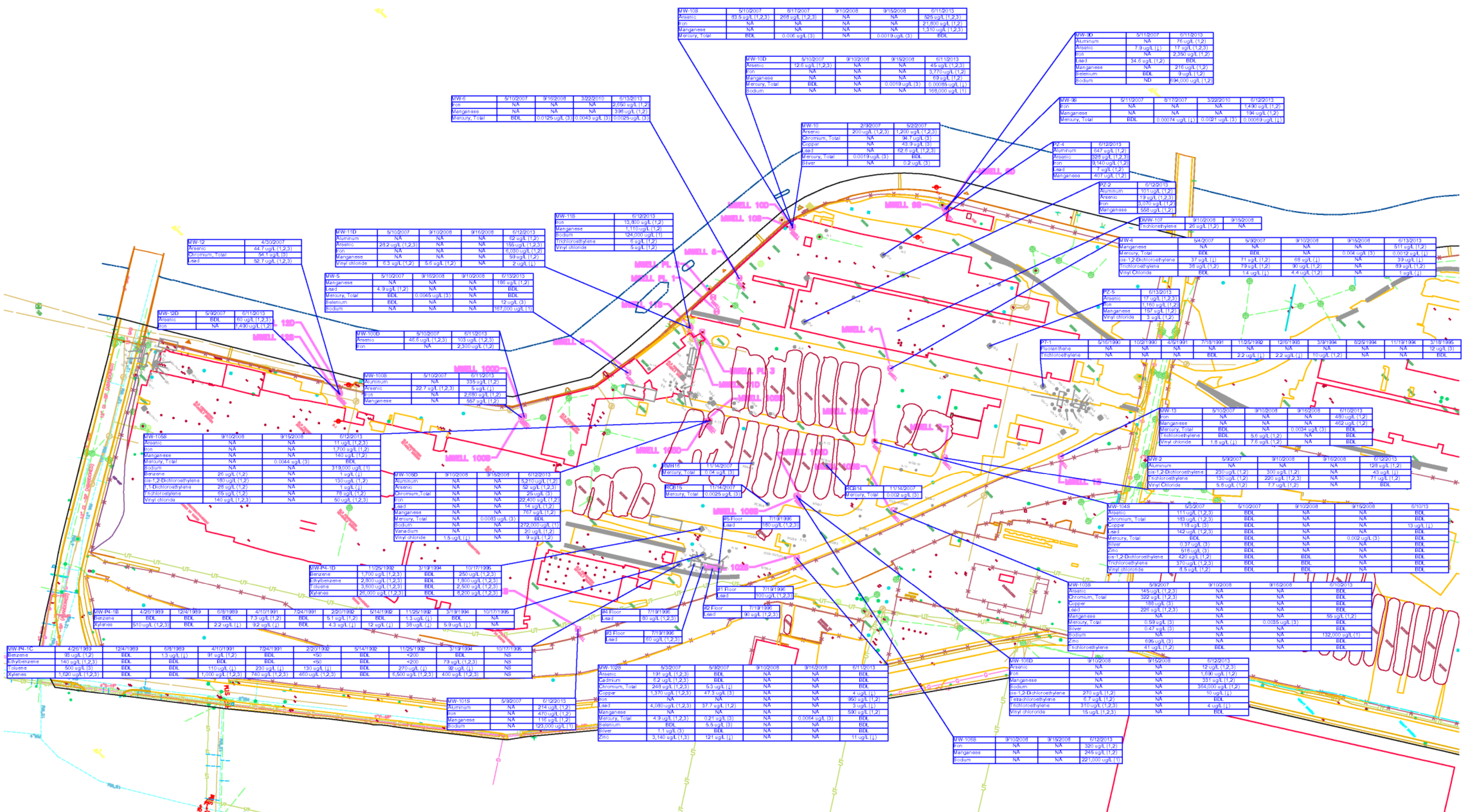
Chevy Commons BEA Figure 13



Chevy Commons BEA Figure 14



Chevy Commons BEA Figure 15



MW-10S	5/10/2007	8/17/2007	9/10/2008	9/15/2008	6/11/2013
Arsenic	83.5 ug/L (1,2,3)	268 ug/L (1,2,3)	NA	NA	525 ug/L (1,2,3)
Iron	NA	NA	NA	NA	21,800 ug/L (1,2)
Manganese	NA	NA	NA	NA	1,310 ug/L (1,2,3)
Mercury, Total	BDL	0.006 ug/L (3)	NA	0.0019 ug/L (3)	BDL

MW-10D	5/10/2007	9/10/2008	9/15/2008	6/11/2013
Arsenic	12.6 ug/L (1,2,3)	NA	NA	45 ug/L (1,2,3)
Iron	NA	NA	NA	3,770 ug/L (1,2)
Manganese	NA	NA	NA	69 ug/L (1,2)
Mercury, Total	BDL	NA	0.0019 ug/L (3)	0.00065 ug/L (↓)
Sodium	NA	NA	NA	168,000 ug/L (1)

MW-6	5/10/2007	9/16/2008	3/22/2010	6/13/2013
Iron	NA	NA	NA	2,650 ug/L (1,2)
Manganese	NA	NA	NA	398 ug/L (1,2)
Mercury, Total	BDL	0.0125 ug/L (3)	0.0043 ug/L (3)	0.0025 ug/L (3)

MW-9D	5/11/2007	6/11/2013
Aluminum	NA	76 ug/L (1,2)
Arsenic	7.9 ug/L (↓)	17 ug/L (1,2,3)
Iron	NA	2,350 ug/L (1,2)
Lead	34.6 ug/L (1,2)	BDL
Manganese	NA	216 ug/L (1,2)
Selenium	BDL	9 ug/L (1,2)
Sodium	ND	694,000 ug/L (1,2)

MW-9S	5/11/2007	8/17/2007	3/22/2010	6/12/2013
Iron	NA	NA	NA	1,490 ug/L (1,2)
Manganese	NA	NA	NA	194 ug/L (1,2)
Mercury, Total	BDL	0.00074 ug/L (↓)	0.0021 ug/L (3)	0.00069 ug/L (↓)

MW-10	2/9/2007	5/2/2007
Arsenic	200 ug/L (1,2,3)	1,200 ug/L (1,2,3)
Chromium, Total	NA	94.7 ug/L (3)
Copper	NA	43.9 ug/L (3)
Lead	NA	62.6 ug/L (1,2,3)
Mercury, Total	0.0019 ug/L (3)	BDL
Silver	NA	0.2 ug/L (3)

PZ-4	6/12/2013
Aluminum	647 ug/L (1,2)
Arsenic	328 ug/L (1,2,3)
Iron	9,140 ug/L (1,2)
Lead	7 ug/L (1,2)
Manganese	407 ug/L (1,2)

PZ-2	6/12/2013
Aluminum	101 ug/L (1,2)
Arsenic	19 ug/L (1,2,3)
Iron	3,070 ug/L (1,2)
Manganese	558 ug/L (1,2)

DMW-107	9/10/2008	9/15/2008
Trichloroethylene	26 ug/L (1,2)	NA

MW-4	5/4/2007	5/9/2007	9/10/2008	9/15/2008	6/13/2013
Manganese	NA	NA	NA	NA	511 ug/L (1,2)
Mercury, Total	BDL	BDL	NA	0.004 ug/L (3)	0.0012 ug/L (↓)
cis-1,2-Dichloroethylene	37 ug/L (↓)	71 ug/L (1,2)	68 ug/L (↓)	NA	39 ug/L (↓)
Trichloroethylene	38 ug/L (1,2)	79 ug/L (1,2)	90 ug/L (1,2)	NA	89 ug/L (1,2)
Vinyl Chloride	BDL	1.4 ug/L (↓)	4.4 ug/L (1,2)	NA	1 ug/L (↓)

MW-11S	6/12/2013
Iron	13,800 ug/L (1,2)
Manganese	1,110 ug/L (1,2)
Sodium	124,000 ug/L (1)
Trichloroethylene	6 ug/L (1,2)
Vinyl chloride	5 ug/L (1,2)

MW-11D	5/10/2007	9/10/2008	9/16/2008	6/12/2013
Aluminum	NA	NA	NA	62 ug/L (1,2)
Arsenic	28.2 ug/L (1,2,3)	NA	NA	155 ug/L (1,2,3)
Iron	NA	NA	NA	6,030 ug/L (1,2)
Manganese	NA	NA	NA	59 ug/L (1,2)
Vinyl chloride	6.3 ug/L (1,2)	5.6 ug/L (1,2)	NA	2 ug/L (↓)

MW-12	4/30/2007
Arsenic	44.7 ug/L (1,2,3)
Chromium, Total	54.1 ug/L (3)
Lead	52.7 ug/L (1,2,3)

MW-5	5/10/2007	9/16/2008	9/10/2008	6/13/2013
Manganese	NA	NA	NA	186 ug/L (1,2)
Lead	4.9 ug/L (1,2)	NA	NA	BDL
Mercury, Total	BDL	0.0045 ug/L (3)	NA	BDL
Selenium	BDL	NA	NA	12 ug/L (3)
Sodium	NA	NA	NA	167,000 ug/L (1)

PZ-5	6/13/2013
Arsenic	17 ug/L (1,2,3)
Iron	1,160 ug/L (1,2)
Manganese	157 ug/L (1,2)
Vinyl chloride	3 ug/L (1,2)

MW-12D	5/9/2007	6/11/2013
Arsenic	BDL	60 ug/L (1,2,3)
Iron	NA	1,490 ug/L (1,2)

MW-100D	5/10/2007	6/11/2013
Arsenic	46.6 ug/L (1,2,3)	103 ug/L (1,2,3)
Iron	NA	2,300 ug/L (1,2)

P7-1	5/16/1990	10/2/1990	4/5/1991	7/18/1991	11/25/1992	12/6/1993	3/9/1994	8/25/1994	11/19/1994	3/18/1995
Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	12 ug/L (3)
Trichloroethylene	NA	NA	NA	BDL	2.2 ug/L (↓)	2.2 ug/L (↓)	10 ug/L (1,2)	NA	NA	BDL

MW-100S	5/10/2007	6/11/2013
Aluminum	NA	335 ug/L (1,2)
Arsenic	22.7 ug/L (1,2,3)	5 ug/L (↓)
Iron	NA	2,680 ug/L (1,2)
Manganese	NA	557 ug/L (1,2)

MW-13	5/10/2007	9/10/2008	9/16/2008	6/10/2013
Iron	NA	NA	NA	480 ug/L (1,2)
Manganese	NA	NA	NA	462 ug/L (1,2)
Mercury, Total	BDL	NA	0.0034 ug/L (3)	BDL
Trichloroethylene	BDL	5.6 ug/L (1,2)	NA	BDL
Vinyl chloride	1.8 ug/L (↓)	7.6 ug/L (1,2)	NA	BDL

MW-105S	9/10/2008	9/15/2008	6/12/2013
Arsenic	NA	NA	11 ug/L (1,2,3)
Iron	NA	NA	1,700 ug/L (1,2)
Manganese	NA	NA	140 ug/L (1,2)
Mercury, Total	NA	0.0044 ug/L (3)	BDL
Sodium	NA	NA	319,000 ug/L (1)
Benzene	26 ug/L (1,2)	NA	1 ug/L (↓)
cis-1,2-Dichloroethylene	180 ug/L (1,2)	NA	130 ug/L (1,2)
1,1-Dichloroethylene	26 ug/L (1,2)	NA	1 ug/L (↓)
Trichloroethylene	65 ug/L (1,2)	NA	78 ug/L (1,2)
Vinyl chloride	140 ug/L (1,2,3)	NA	50 ug/L (1,2,3)

MW-2	5/9/2007	9/10/2008	9/16/2008	6/12/2013
Aluminum	NA	NA	NA	128 ug/L (1,2)
cis-1,2-Dichloroethylene	230 ug/L (1,2)	300 ug/L (1,2)	NA	43 ug/L (↓)
Trichloroethylene	130 ug/L (1,2)	220 ug/L (1,2,3)	NA	71 ug/L (1,2)
Vinyl Chloride	5.8 ug/L (1,2)	7.7 ug/L (1,2)	NA	BDL

RMH16	11/14/2007
Mercury, Total	0.04 ug/L (3)

RCB15	11/14/2007
Mercury, Total	0.0025 ug/L (3)

RCB14	11/14/2007
Mercury, Total	0.002 ug/L (3)

MW-105D	9/10/2008	9/15/2008	6/12/2013
Aluminum	NA	NA	5,210 ug/L (1,2)
Arsenic	NA	NA	52 ug/L (1,2,3)
Chromium,Total	NA	NA	25 ug/L (3)
Iron	NA	NA	22,400 ug/L (1,2)
Lead	NA	NA	14 ug/L (1,2)
Manganese	NA	NA	767 ug/L (1,2)
Mercury, Total	NA	0.0083 ug/L (3)	BDL
Sodium	NA	NA	272,000 ug/L (1)
Vanadium	NA	NA	20 ug/L (1,2)
Vinyl chloride	1.5 ug/L (↓)	NA	9 ug/L (1,2)

MW-104S	5/3/2007	5/10/2007	9/10/2008	9/15/2008	6/10/13
Arsenic	111 ug/L (1,2,3)	BDL	NA	NA	BDL
Chromium, Total	183 ug/L (1,2,3)	BDL	NA	NA	BDL
Copper	118 ug/L (3)	BDL	NA	NA	13 ug/L (↓)
Lead	142 ug/L (1,2,3)	BDL	NA	NA	BDL
Mercury, Total	BDL	BDL	NA	0.002 ug/L (3)	BDL
Silver	0.37 ug/L (3)	BDL	NA	NA	BDL
Zinc	518 ug/L (3)	BDL	NA	NA	BDL
cis-1,2-Dichloroethylene	420 ug/L (1,2)	BDL	BDL	NA	BDL
Trichloroethylene	370 ug/L (1,2,3)	BDL	BDL	NA	BDL
Vinyl chlororide	8.5 ug/L (1,2)	BDL	BDL	NA	BDL

#5 Floor	7/19/1996
Lead	180 ug/L (1,2,3)

MW-P4-1D	11/25/1992	3/19/1994	10/17/1995
Benzene	1,700 ug/L (1,2,3)	BDL	250 ug/L (1,2,3)
Ethylbenzene	2,800 ug/L (1,2,3)	BDL	1,800 ug/L (1,2,3)
Toluene	3,600 ug/L (1,2,3)	BDL	2,500 ug/L (1,2,3)
Xylenes	26,000 ug/L (1,2,3)	BDL	8,200 ug/L (1,2,3)

MW-103S	5/9/2007	9/10/2008	9/16/2008	6/10/2013
Arsenic	145 ug/L (1,2,3)	NA	NA	BDL
Chromium, Total	322 ug/L (1,2,3)	NA	NA	BDL
Copper	188 ug/L (3)	NA	NA	BDL
Lead	226 ug/L (1,2,3)	NA	NA	BDL
Manganese	NA	NA	NA	55 ug/L (1,2)
Mercury, Total	0.59 ug/L (3)	NA	0.0035 ug/L (3)	BDL
Silver	0.47 ug/L (3)	NA	NA	BDL
Sodium	NA	NA	NA	132,000 ug/L (1)
Zinc	695 ug/L (3)	NA	NA	BDL
Trichloroethylene	41 ug/L (1,2)	BDL	NA	BDL

#1 Floor	7/19/1996
Lead	100 ug/L (1,2,3)

#2 Floor	7/19/1996
Lead	90 ug/L (1,2,3)

#4 Floor	7/19/1996
Lead	80 ug/L (1,2,3)

#3 Floor	7/19/1996
Lead	60 ug/L (1,2,3)

MW-P4-1B	4/26/1989	12/4/1989	6/8/1989	4/10/1991	7/24/1991	2/20/1992	5/14/1992	11/25/1992	3/19/1994	10/17/1995
Benzene	BDL	BDL	BDL	7.3 ug/L (1,2)	BDL	5.1 ug/L (1,2)	BDL	1.3 ug/L (↓)	BDL	NA
Xylenes	510 ug/L (1,2,3)	BDL	2.2 ug/L (↓)	9.2 ug/L (↓)	BDL	4.3 ug/L (↓)	12 ug/L (↓)	38 ug/L (↓)	5.9 ug/L (↓)	NA

MW-P4-1C	4/26/1989	12/4/1989	6/8/1989	4/10/1991	7/24/1991	2/20/1992	5/14/1992	11/25/1992	3/19/1994	10/17/1995
Benzene	93 ug/L (1,2)	BDL	1.3 ug/L (↓)	91 ug/L (1,2)	BDL	<50	BDL	<200	BDL	NS
Ethylbenzene	140 ug/L (1,2,3)	BDL	BDL	BDL	BDL	<50	BDL	<200	79 ug/L (1,2,3)	NS
Toluene	500 ug/L (3)	BDL	BDL	110 ug/L (↓)	230 ug/L (↓)	130 ug/L (↓)	BDL	270 ug/L (↓)	92 ug/L (↓)	NS
Xylenes	1,620 ug/L (1,2,3)	BDL	BDL	1,000 ug/L (1,2,3)	740 ug/L (1,2,3)	460 ug/L (1,2,3)	BDL	6,500 ug/L (1,2,3)	400 ug/L (1,2,3)	NS

MW-106D	9/10/2008	9/15/2008	6/12/2013
Arsenic	NA	NA	12 ug/L (1,2,3)
Iron	NA	NA	1,690 ug/L (1,2)
Manganese	NA	NA	331 ug/L (1,2)
Sodium	NA	NA	364,000 ug/L (1,2)
cis-1,2-Dichloroethylene	270 ug/L (1,2)	NA	10 ug/L (↓)
Tetrachloroethylene	6.7 ug/L (1,2)	NA	BDL
Trichloroethylene	310 ug/L (1,2,3)	NA	4 ug/L (↓)
Vinyl chloride	15 ug/L (1,2,3)	NA	BDL

MW-102S	5/3/2007	5/9/2007	9/10/2008	9/16/2008	6/11/2013
Arsenic	191 ug/L (1,2,3)	BDL	NA	NA	BDL
Cadmium	6.2 ug/L (1,2,3)	BDL	NA	NA	BDL
Chromium, Total	248 ug/L (1,2,3)	5.3 ug/L (↓)	NA	NA	BDL
Copper	1,370 ug/L (1,2,3)	47.3 ug/L (3)	NA	NA	4 ug/L (↓)
Iron	NA	NA	NA	NA	950 ug/L (1,2)
Lead	4,080 ug/L (1,2,3)	37.7 ug/L (1,2)	NA	NA	3 ug/L (↓)
Manganese	NA	NA	NA	NA	590 ug/L (1,2)
Mercury, Total	4.9 ug/L (1,2,3)	0.21 ug/L (3)	NA	0.0064 ug/L (3)	BDL
Selenium	BDL	5.5 ug/L (3)	NA	NA	BDL
Silver	1.1 ug/L (3)	BDL	NA	NA	BDL
Zinc	3,140 ug/L (1,3)	121 ug/L (↓)	NA	NA	11 ug/L (↓)

MW-101S	5/9/2007	6/12/2013
Aluminum	NA	214 ug/L (1,2)
Iron	NA	470 ug/L (1,2)
Manganese	NA	116 ug/L (1,2)
Sodium	NA	123,000 ug/L (1)

MW-106S	9/10/2008	9/15/2008	6/12/2013
Iron	NA	NA	320 ug/L (1,2)
Manganese	NA	NA	245 ug/L (1,2)
Sodium	NA	NA	221,000 ug/L (1)

CRITERIA NOTE

(1) - Exceeds Residential Drinking Water Criteria and RBSLs
(2) - Exceeds Non-Residential Drinking Water Criteria and RBSLs
(3) - Exceeds Groundwater Surface Water Interface Criteria and RBSLs

(↓) - Below MDEQ GCC
NA - Not Analyzed
NS - Not Sampled
BDL - Below Detection Limit
GCC - Generic Cleanup Criteria

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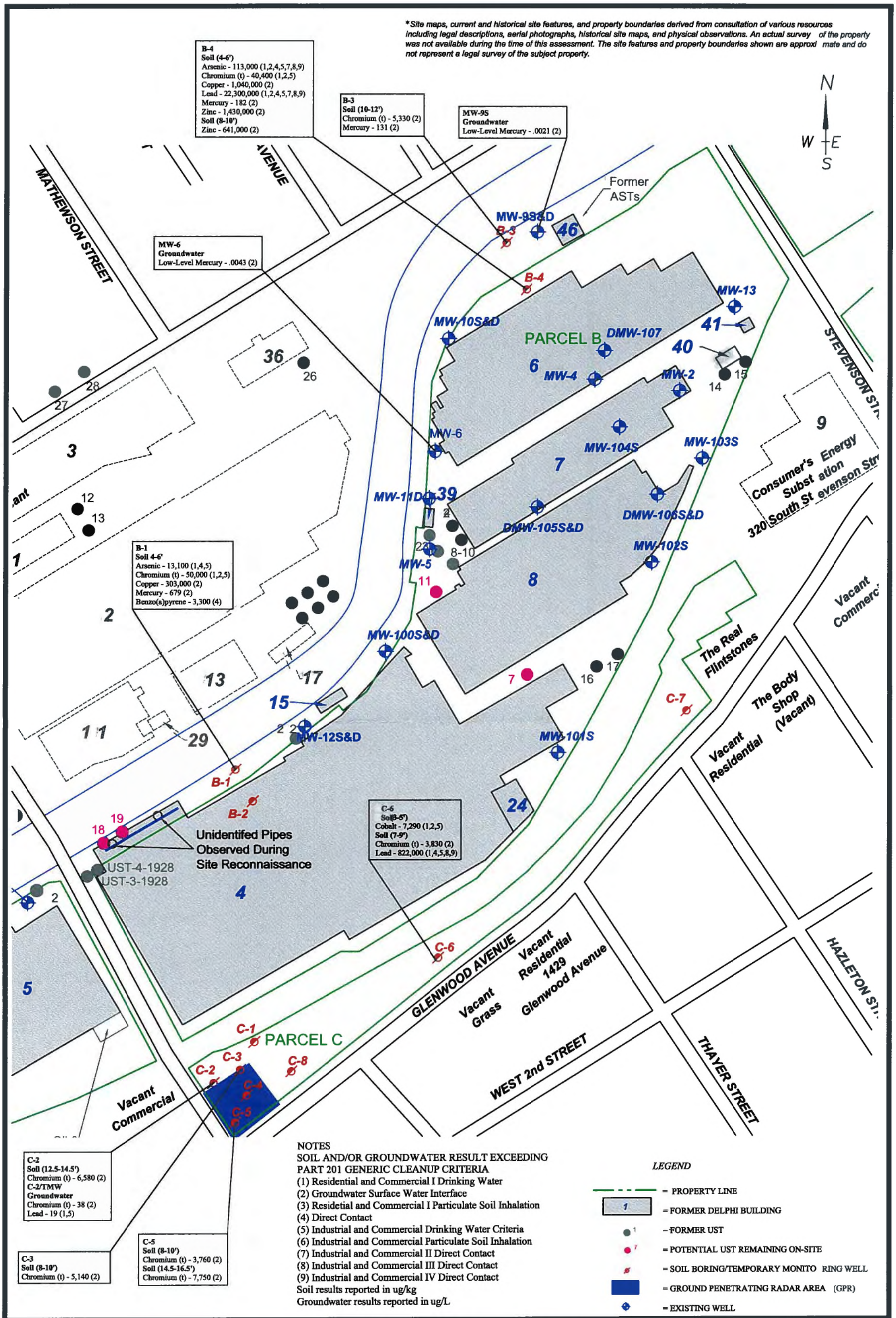
PARCEL B - HISTORICAL GROUNDWATER RESULTS EXCEEDING MDEQ GCC

CHEVY IN THE HOLE
FLINT, MICHIGAN
PROJECT NUMBER : 6163s

DRAWN BY: OGO
DATE: 10-07-13
SCALE: 1" = 100'
FIGURE 23

Chevy Commons BEA Figure 16

*Site maps, current and historical site features, and property boundaries derived from consultation of various resources including legal descriptions, aerial photographs, historical site maps, and physical observations. An actual survey of the property was not available during the time of this assessment. The site features and property boundaries shown are approximate and do not represent a legal survey of the subject property.



NOTES
SOIL AND/OR GROUNDWATER RESULT EXCEEDING PART 201 GENERIC CLEANUP CRITERIA
(1) Residential and Commercial I Drinking Water
(2) Groundwater Surface Water Interface
(3) Residetial and Commercial I Particulate Soil Inhalation
(4) Direct Contact
(5) Industrial and Commercial Drinking Water Criteria
(6) Industrial and Commercial Particulate Soil Inhalation
(7) Industrial and Commercial II Direct Contact
(8) Industrial and Commercial III Direct Contact
(9) Industrial and Commercial IV Direct Contact
Soil results reported in ug/kg
Groundwater results reported in ug/L

LEGEND
= PROPERTY LINE
= FORMER DELPHI BUILDING
= FORMER UST
= POTENTIAL UST REMAINING ON-SITE
= SOIL BORING/TEMPORARY MONITO RING WELL
= GROUND PENETRATING RADAR AREA (GPR)
= EXISTING WELL

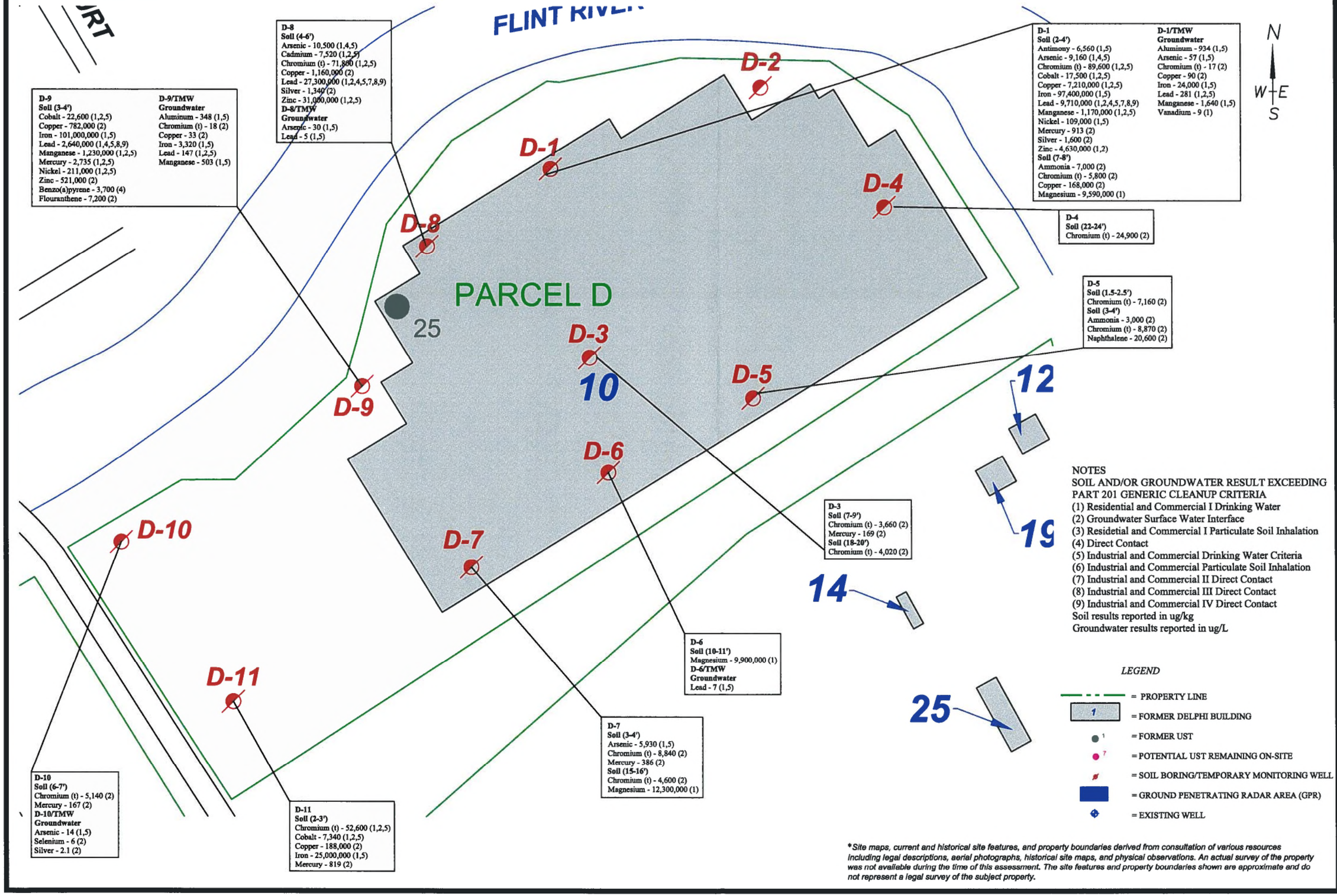
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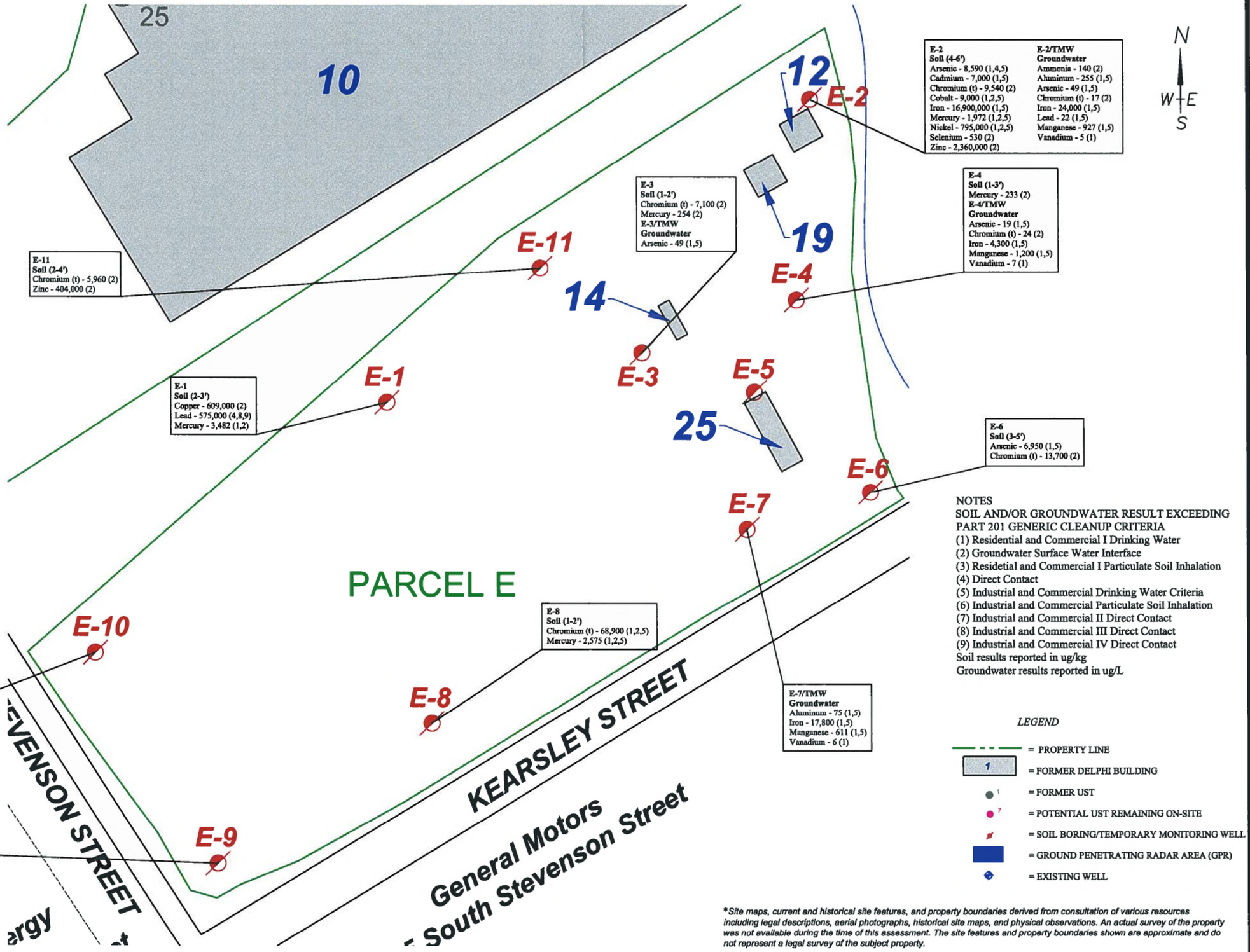
SAMPLE LOCATION MAP WITH CRITERIA EXCEEDANCES - PARCEL B & C
A PORTION OF DELPHI ENERGY & ENGINE - FLINT WEST OPERATIONS
300 NORTH CHEVROLET AVENUE,
306 & 307 SOUTH STEVENSON STREET, AND GLENWOOD AVENUE
(BETWEEN WEST KEARSLEY AND NORTH CHEVROLET)
FLINT, MICHIGAN
PROJECT NUMBER: 6163s

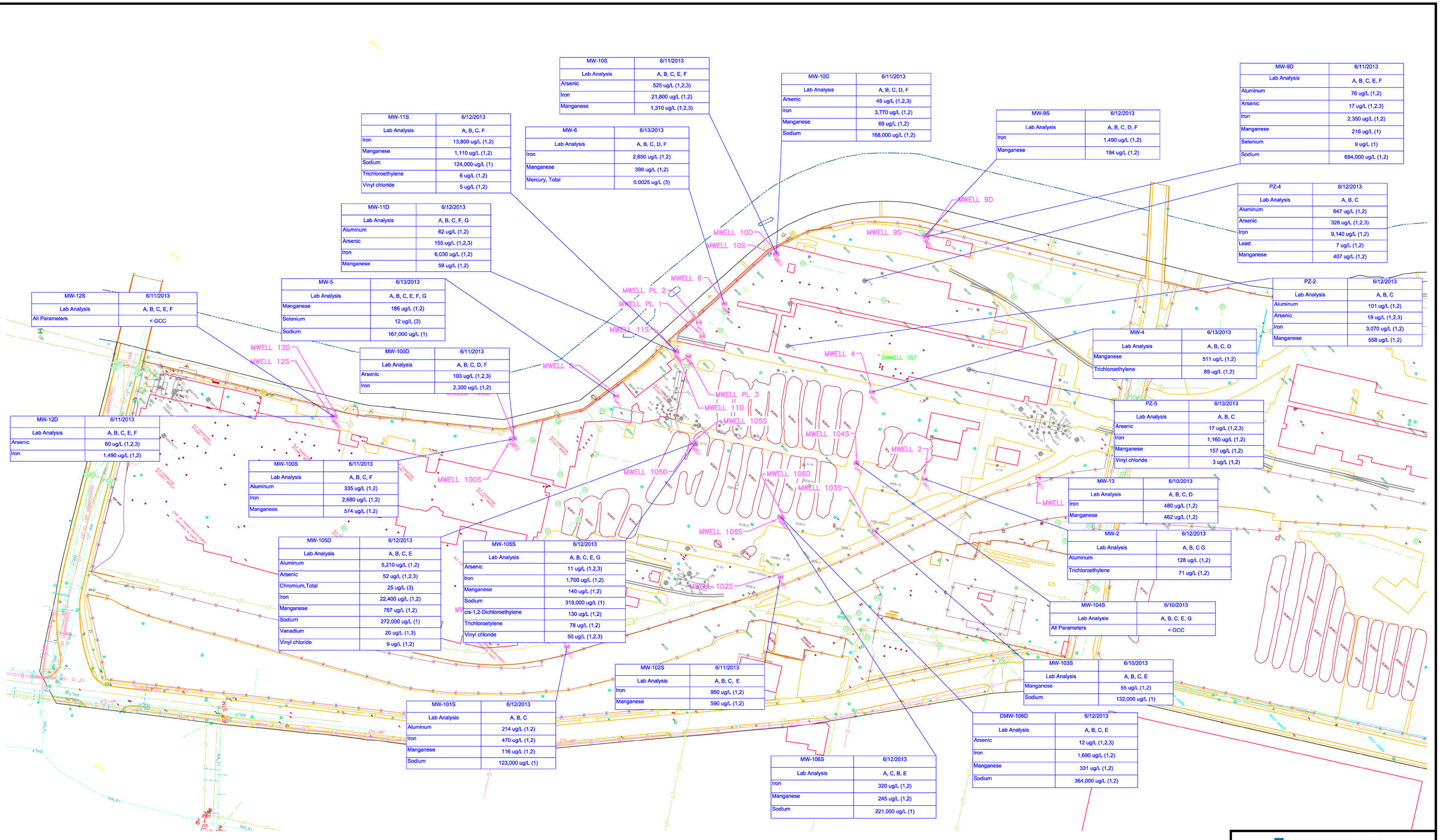
DRAWN BY: JAH
DATE : 5-6-10
SCALE: 1" = 200'±0

Figure 24

Chevy Commons BEA Figure 17


FLINT RIVER
PARCEL D
D-1
D-2
D-3
D-4
D-5
D-6
D-7
D-8
D-9
D-10
D-11
25
10
12
19
14
25
D-8
Soil (4-6')
Arsenic - 10,500 (1,4,5)
Cadmium - 7,520 (1,2,5)
Chromium (t) - 71,800 (1,2,5)
Copper - 1,160,000 (2)
Lead - 27,300,000 (1,2,4,5,7,8,9)
Silver - 1,340 (2)
Zinc - 31,000,000 (1,2,5)
D-8/TMW
Groundwater
Arsenic - 30 (1,5)
Lead - 5 (1,5)
D-9
Soil (3-4')
Cobalt - 22,600 (1,2,5)
Copper - 782,000 (2)
Iron - 101,000,000 (1,5)
Lead - 2,640,000 (1,4,5,8,9)
Manganese - 1,230,000 (1,2,5)
Mercury - 2,735 (1,2,5)
Nickel - 211,000 (1,2,5)
Zinc - 521,000 (2)
Benzo(a)pyrene - 3,700 (4)
Flouranthene - 7,200 (2)
D-9/TMW
Groundwater
Aluminum - 348 (1,5)
Chromium (t) - 18 (2)
Copper - 33 (2)
Iron - 3,320 (1,5)
Lead - 147 (1,2,5)
Manganese - 503 (1,5)
D-1
Soil (2-4')
Antimony - 6,560 (1,5)
Arsenic - 9,160 (1,4,5)
Chromium (t) - 89,600 (1,2,5)
Cobalt - 17,500 (1,2,5)
Copper - 7,210,000 (1,2,5)
Iron - 97,400,000 (1,5)
Lead - 9,710,000 (1,2,4,5,7,8,9)
Manganese - 1,170,000 (1,2,5)
Nickel - 109,000 (1,5)
Mercury - 913 (2)
Silver - 1,600 (2)
Zinc - 4,630,000 (1,2)
Soil (7-8')
Ammonia - 7,000 (2)
Chromium (t) - 5,800 (2)
Copper - 168,000 (2)
Magnesium - 9,590,000 (1)
D-1/TMW
Groundwater
Aluminum - 934 (1,5)
Arsenic - 57 (1,5)
Chromium (t) - 17 (2)
Copper - 90 (2)
Iron - 24,000 (1,5)
Lead - 281 (1,2,5)
Manganese - 1,640 (1,5)
Vanadium - 9 (1)
D-4
Soil (22-24')
Chromium (t) - 24,900 (2)
D-5
Soil (1.5-2.5')
Chromium (t) - 7,160 (2)
Soil (3-4')
Ammonia - 3,000 (2)
Chromium (t) - 8,870 (2)
Naphthalene - 20,600 (2)
D-3
Soil (7-9')
Chromium (t) - 3,660 (2)
Mercury - 169 (2)
Soil (18-20')
Chromium (t) - 4,020 (2)
D-6
Soil (10-11')
Magnesium - 9,900,000 (1)
D-6/TMW
Groundwater
Lead - 7 (1,5)
D-7
Soil (3-4')
Arsenic - 5,930 (1,5)
Chromium (t) - 8,840 (2)
Mercury - 386 (2)
Soil (15-16')
Chromium (t) - 4,600 (2)
Magnesium - 12,300,000 (1)
D-10
Soil (6-7')
Chromium (t) - 5,140 (2)
Mercury - 167 (2)
D-10/TMW
Groundwater
Arsenic - 14 (1,5)
Selenium - 6 (2)
Silver - 2.1 (2)
D-11
Soil (2-3')
Chromium (t) - 52,600 (1,2,5)
Cobalt - 7,340 (1,2,5)
Copper - 188,000 (2)
Iron - 25,000,000 (1,5)
Mercury - 819 (2)
N
W
E
S
NOTES
SOIL AND/OR GROUNDWATER RESULT EXCEEDING PART 201 GENERIC CLEANUP CRITERIA
(1) Residential and Commercial I Drinking Water
(2) Groundwater Surface Water Interface
(3) Residetial and Commercial I Particulate Soil Inhalation
(4) Direct Contact
(5) Industrial and Commercial Drinking Water Criteria
(6) Industrial and Commercial Particulate Soil Inhalation
(7) Industrial and Commercial II Direct Contact
(8) Industrial and Commercial III Direct Contact
(9) Industrial and Commercial IV Direct Contact
Soil results reported in ug/kg
Groundwater results reported in ug/L
LEGEND
= PROPERTY LINE
= FORMER DELPHI BUILDING
= FORMER UST
= POTENTIAL UST REMAINING ON-SITE
= SOIL BORING/TEMPORARY MONITORING WELL
= GROUND PENETRATING RADAR AREA (GPR)
= EXISTING WELL
*Site maps, current and historical site features, and property boundaries derived from consultation of various resources including legal descriptions, aerial photographs, historical site maps, and physical observations. An actual survey of the property was not available during the time of this assessment. The site features and property boundaries shown are approximate and do not represent a legal survey of the subject property.
DRAWN BY: JAH
DATE: 5-6-10
0 50 100
SCALE: 1" = 100'±50
Figure 25
SAMPLE LOCATION MAP WITH CRITERIA EXCEEDANCES - PARCEL D
A PORTION OF DELPHI ENERGY & ENGINE - FLINT WEST OPERATIONS
300 NORTH CHEVROLET AVENUE,
306 & 307 SOUTH STEVENSON STREET, AND GLENWOOD AVENUE
(BETWEEN WEST KEARSLEY AND NORTH CHEVROLET)
FLINT, MICHIGAN
PROJECT NUMBER: 6163s
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25
10
12
E-2
E-2
Soil (4-6')
Arsenic - 8,590 (1,4,5)
Cadmium - 7,000 (1,5)
Chromium (t) - 9,540 (2)
Cobalt - 9,000 (1,2,5)
Iron - 16,900,000 (1,5)
Mercury - 1,972 (1,2,5)
Nickel - 795,000 (1,2,5)
Selenium - 530 (2)
Zinc - 2,360,000 (2)
E-2/TMW
Groundwater
Ammonia - 140 (2)
Aluminum - 255 (1,5)
Arsenic - 49 (1,5)
Chromium (t) - 17 (2)
Iron - 24,000 (1,5)
Lead - 22 (1,5)
Manganese - 927 (1,5)
Vanadium - 5 (1)
N
W
E
S
E-3
Soil (1-2')
Chromium (t) - 7,100 (2)
Mercury - 254 (2)
E-3/TMW
Groundwater
Arsenic - 49 (1,5)
19
E-4
Soil (1-3')
Mercury - 233 (2)
E-4/TMW
Groundwater
Arsenic - 19 (1,5)
Chromium (t) - 24 (2)
Iron - 4,300 (1,5)
Manganese - 1,200 (1,5)
Vanadium - 7 (1)
E-11
E-11
Soil (2-4')
Chromium (t) - 5,960 (2)
Zinc - 404,000 (2)
14
E-4
E-1
E-1
Soil (2-3')
Copper - 609,000 (2)
Lead - 575,000 (4,8,9)
Mercury - 3,482 (1,2)
E-3
E-5
25
E-6
Soil (3-5')
Arsenic - 6,950 (1,5)
Chromium (t) - 13,700 (2)
E-6
E-7
E-7/TMW
Groundwater
Aluminum - 75 (1,5)
Iron - 17,800 (1,5)
Manganese - 611 (1,5)
Vanadium - 6 (1)
PARCEL E
E-10
Soil (2-3')
Chromium (t) - 3,630 (2)
E-10/TMW
Groundwater
Arsenic - 14 (1,5)
Iron - 640 (1,5)
Manganese - 65 (1,5)
Silver - 0.6 (2)
Sodium - 394,000 (1,5)
Total Dissolved Solids - 576,850 (1,2,5)
E-10
E-8
Soil (1-2')
Chromium (t) - 68,900 (1,2,5)
Mercury - 2,575 (1,2,5)
E-8
KEARSLEY STREET
STEVENSON STREET
E-9
Soil (2-3')
Magnesium - 26,000,000 (1)
E-9
General Motors
South Stevenson Street
ergy
NOTES
SOIL AND/OR GROUNDWATER RESULT EXCEEDING
PART 201 GENERIC CLEANUP CRITERIA
(1) Residential and Commercial I Drinking Water
(2) Groundwater Surface Water Interface
(3) Residetial and Commercial I Particulate Soil Inhalation
(4) Direct Contact
(5) Industrial and Commercial Drinking Water Criteria
(6) Industrial and Commercial Particulate Soil Inhalation
(7) Industrial and Commercial II Direct Contact
(8) Industrial and Commercial III Direct Contact
(9) Industrial and Commercial IV Direct Contact
Soil results reported in ug/kg
Groundwater results reported in ug/L
LEGEND
= PROPERTY LINE
1 = FORMER DELPHI BUILDING
= FORMER UST
= POTENTIAL UST REMAINING ON-SITE
= SOIL BORING/TEMPORARY MONITORING WELL
= GROUND PENETRATING RADAR AREA (GPR)
= EXISTING WELL
*Site maps, current and historical site features, and property boundaries derived from consultation of various resources including legal descriptions, aerial photographs, historical site maps, and physical observations. An actual survey of the property was not available during the time of this assessment. The site features and property boundaries shown are approximate and do not represent a legal survey of the subject property.
DRAWN BY: JAH
DATE: 5-6-10
0 50 100
SCALE: 1" = 100'±50
Figure 26
SAMPLE LOCATION MAP WITH CRITERIA EXCEEDANCES MAP - PARCEL E
A PORTION OF DELPHI ENERGY & ENGINE - FLINT WEST OPERATIONS
300 NORTH CHEVROLET AVENUE,
306 & 307 SOUTH STEVENSON STREET, AND GLENWOOD AVENUE
(BETWEEN WEST KEARSLEY AND NORTH CHEVROLET)
FLINT, MICHIGAN
PROJECT NUMBER: 6163s
AKTPEERLESS
environmental & energy services
CHICAGO DETROIT FARMINGTON LANSING SAGINAW
www.aktpeerless.com



CRITERIA NOTE

(1) - Exceeds Residential Drinking Water Criteria and RBSLs
(2) - Exceeds Non-Residential Drinking Water Criteria and RBSLs
(3) - Exceeds Groundwater Surface Water Interface Criteria and RBSLs
A - VOCs
B - PNAs
C - TAL Metals
D - Low - Hg
E - Cr-VI
F - Ammonia
G - Dissolved Gasses
GCC - Generic Cleanup Criteria

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QUARTER 1 GROUNDWATER SAMPLING
ANALYTICAL PARAMETERS & RESULTS ABOVE GCC

CHEVY IN THE HOLE
FLINT, MICHIGAN
PROJECT NUMBER : 6163s

DRAWN BY: OGO
DATE: 09-16-13
SCALE: 1" = 100'

FIGURE 27

Chevy Commons BEA Figure 20

Image Source: ESRI World Imagery

CITH-WMW-18 08/08/13

Depth	Parameter	Result	Units	[Criteria]
4-5	ALUMINUM	9900	mg/kg	[1]
4-5	ARSENIC	24	mg/kg	[1,2]
4-5	BARIUM	150	mg/kg	[1]
4-5	BENZO(A)PYRENE	9300	ug/kg	[3]
4-5	COBALT	16	mg/kg	[1,2]
4-5	COPPER	87	mg/kg	[1]
4-5	IRON	27000	mg/kg	[1]
4-5	LEAD	300	mg/kg	[1,2]
4-5	MERCURY	0.21	mg/kg	[1,2]
4-5	NICKEL	53	mg/kg	[1]
4-5	PHENANTHRENE	2500	ug/kg	[2]
4-5	SELENIUM	0.86	mg/kg	[1,2]
4-5	SILVER	0.23	mg/kg	[2]
4-5	ZINC	80	mg/kg	[1]

CITH-WMW-11 08/09/13

Depth	Parameter	Result	Units	[Criteria]
14-15	ARSENIC	8.9	mg/kg	[1,2]
14-15	BENZO(A)PYRENE	9100	ug/kg	[3]
14-15	CADMIUM	2.2	mg/kg	[1]
14-15	COBALT	3.7	mg/kg	[2]
14-15	COPPER	44	mg/kg	[1]
14-15	FLUORANTHENE	15000	ug/kg	[2]
14-15	IRON	15000	mg/kg	[1]
14-15	LEAD	200	mg/kg	[1,2]
14-15	MERCURY	0.8	mg/kg	[1,2]
14-15	NAPHTHALENE	1500	ug/kg	[2]
14-15	PHENANTHRENE	13000	ug/kg	[2]
14-15	SELENIUM	0.53	mg/kg	[1,2]
14-15	SILVER	1.1	mg/kg	[1,2]
14-15	ZINC	660	mg/kg	[1,2]

CITH-WMW-13 08/09/13

Depth	Parameter	Result	Units	[Criteria]
4-5	ARSENIC	10	mg/kg	[1,2]
4-5	BARIUM	110	mg/kg	[1]
4-5	COBALT	6	mg/kg	[2]
4-5	COPPER	33	mg/kg	[1]
4-5	IRON	16000	mg/kg	[1]
4-5	LEAD	110	mg/kg	[1,2]
4-5	MERCURY	1.1	mg/kg	[1,2]
4-5	ZINC	100	mg/kg	[1]

CITH-WMW-16 08/15/13

Depth	Parameter	Result	Units	[Criteria]
9-10	ARSENIC	390	mg/kg	[1,2,3]
9-10	COBALT	5.5	mg/kg	[2]
9-10	IRON	17000	mg/kg	[1]

CITH-WMW-15 08/08/13

Depth	Parameter	Result	Units	[Criteria]
12-13	ARSENIC	5.7	mg/kg	[2]
12-13	COBALT	4.7	mg/kg	[2]
12-13	LEAD	5.3	mg/kg	[2]
12-13	MANGANESE	530	mg/kg	[1]

CITH-WMW-17 08/08/13

Depth	Parameter	Result	Units	[Criteria]
10-11	ARSENIC	180	mg/kg	[1,2,3]
10-11	IRON	24000	mg/kg	[1]
10-11	LEAD	110	mg/kg	[1,2]
10-11	MERCURY	0.2	mg/kg	[1,2]
10-11	SELENIUM	4.1	mg/kg	[1,2]
10-11	SILVER	0.23	mg/kg	[2]

CITH-WMW-2 08/13/13

Depth	Parameter	Result	Units	[Criteria]
8-9	ARSENIC	7.7	mg/kg	[1,2]
8-9	COBALT	3.6	mg/kg	[2]
8-9	LEAD	8.2	mg/kg	[2]
8-9	SILVER	0.15	mg/kg	[2]

CITH-WMW-12 08/09/13

Depth	Parameter	Result	Units	[Criteria]
21-22	ARSENIC	5.4	mg/kg	[2]
21-22	ARSENIC	13	mg/kg	[1,2]
21-22	COBALT	3.9	mg/kg	[2]
21-22	COBALT	5.7	mg/kg	[2]
21-22	LEAD	6.5	mg/kg	[2]
21-22	LEAD	10	mg/kg	[2]
21-22	SILVER	0.17	mg/kg	[2]
21-22	SILVER	0.16	mg/kg	[2]
21-22	ZINC	64	mg/kg	[1]
21-22	ZINC	64	mg/kg	[1]

CITH-WMW-4 08/13/13

Depth	Parameter	Result	Units	[Criteria]
13-14	ARSENIC	5.3	mg/kg	[2]
13-14	COBALT	4.1	mg/kg	[2]
13-14	LEAD	4.5	mg/kg	[2]
13-14	ZINC	63	mg/kg	[1]

CITH-WMW-5 08/13/13

Depth	Parameter	Result	Units	[Criteria]
6-7	ARSENIC	13	mg/kg	[1,2]
6-7	COBALT	4.8	mg/kg	[2]
6-7	IRON	15000	mg/kg	[1]
6-7	LEAD	4.8	mg/kg	[2]

CITH-WMW-1 08/13/13

Depth	Parameter	Result	Units	[Criteria]
7-8	COBALT	5	mg/kg	[2]
7-8	LEAD	5.1	mg/kg	[2]

CITH-WMW-7 08/14/13

Depth	Parameter	Result	Units	[Criteria]
2-3	2-METHYLNAPHTHALENE	34000	ug/kg	[2]
2-3	2-METHYLNAPHTHALENE	33000	ug/kg	[2]
2-3	ARSENIC	38	mg/kg	[1,2,3]
2-3	ARSENIC	46	mg/kg	[1,2,3]
2-3	CHROMIUM, TOTAL	1900	mg/kg	[2]
2-3	CHROMIUM, TOTAL	2000	mg/kg	[2]
2-3	COBALT	36	mg/kg	[1,2]
2-3	COBALT	35	mg/kg	[1,2]
2-3	COPPER	1200	mg/kg	[1,2]
2-3	COPPER	1500	mg/kg	[1,2]
2-3	FLUORANTHENE	16000	ug/kg	[2]
2-3	FLUORANTHENE	17000	ug/kg	[2]
2-3	FLUORENE	6000	ug/kg	[2]
2-3	FLUORENE	5800	ug/kg	[2]
2-3	IRON	570000	mg/kg	[1]
2-3	IRON	660000	mg/kg	[1,3]
2-3	LEAD	200	mg/kg	[1,2]
2-3	LEAD	270	mg/kg	[1,2]
2-3	MANGANESE	2600	mg/kg	[1,2]
2-3	MANGANESE	3000	mg/kg	[1,2]
2-3	MERCURY	1.9	mg/kg	[1,2]
2-3	MERCURY	2.6	mg/kg	[1,2]
2-3	NAPHTHALENE	14000	ug/kg	[2]
2-3	NAPHTHALENE	14000	ug/kg	[2]
2-3	NICKEL	670	mg/kg	[1]
2-3	NICKEL	710	mg/kg	[1]
2-3	PHENANTHRENE	33000	ug/kg	[2]
2-3	PHENANTHRENE	31000	ug/kg	[2]
2-3	SILVER	0.18	mg/kg	[2]
2-3	SILVER	0.25	mg/kg	[2]
2-3	ZINC	340	mg/kg	[1,2]
2-3	ZINC	290	mg/kg	[1]

CITH-WMW-6 08/15/13

Depth	Parameter	Result	Units	[Criteria]
12-13	COBALT	2.8	mg/kg	[2]
12-13	LEAD	10	mg/kg	[2]

CITH-WMW-8 08/15/13

Depth	Parameter	Result	Units	[Criteria]
10-11	ARSENIC	6.9	mg/kg	[1,2]
10-11	COBALT	5	mg/kg	[2]
10-11	COPPER	69	mg/kg	[1]
10-11	IRON	28000	mg/kg	[1]
10-11	LEAD	52	mg/kg	[1,2]
10-11	MERCURY	0.055	mg/kg	[2]
10-11	ZINC	130	mg/kg	[1]

CITH-WMW-9 08/14/13

Depth	Parameter	Result	Units	[Criteria]
24-25	ARSENIC	5	mg/kg	[2]
24-25	COBALT	3.8	mg/kg	[2]
24-25	LEAD	4.5	mg/kg	[2]

CITH-WMW-10 08/14/13

Depth	Parameter	Result	Units	[Criteria]
17-18	COBALT	3.7	mg/kg	[2]

CITH-WMW-14 08/12/13

Depth	Parameter	Result	Units	[Criteria]
13-14	COBALT	4	mg/kg	[2]
13-14	LEAD	4.6	mg/kg	[2]

CITH-WMW-27 08/19/13

Depth	Parameter	Result	Units	[Criteria]
15-16	COBALT	3.7	mg/kg	[2]

CITH-WMW-20 08/12/13

Depth	Parameter	Result	Units	[Criteria]
6-7	2-METHYLNAPHTHALENE	5200	ug/kg	[2]
6-7	ARSENIC	5.3	mg/kg	[2]
6-7	COBALT	3.2	mg/kg	[2]
6-7	ETHYLBENZENE	7900	ug/kg	[2]
6-7	LEAD	9.6	mg/kg	[2]
6-7	NAPITHALENE	3400	ug/kg	[2]

CITH-WMW-28 08/16/13

Depth	Parameter	Result	Units	[Criteria]
23-24	COBALT	3.1	mg/kg	[2]

CITH-WMW-22 08/12/13

Depth	Parameter	Result	Units	[Criteria]
7-8	ARSENIC	8.4	mg/kg	[1,2]
7-8	COBALT	2.5	mg/kg	[2]

CITH-WMW-19 08/08/13

Depth	Parameter	Result	Units	[Criteria]
9-10	COBALT	2.9	mg/kg	[2]
9-10	ZINC	98	mg/kg	[1]

CITH-WMW-25 08/07/13

Depth	Parameter	Result	Units	[Criteria]
14-15	COBALT	3	mg/kg	[2]
14-15	LEAD	6.5	mg/kg	[2]
14-15	SILVER	1.2	mg/kg	[1,2]

CITH-WMW-30 08/16/13

Depth	Parameter	Result	Units	[Criteria]
8-9	ARSENIC	68	mg/kg	[1,2,3]
8-9	COBALT	15	mg/kg	[1,2]
8-9	IRON	62000	mg/kg	[1]
8-9	LEAD	56	mg/kg	[1,2]
8-9	MANGANESE	470	mg/kg	[1]
8-9	MERCURY	0.065	mg/kg	[2]
8-9	NICKEL	21	mg/kg	[1]
8-9	ZINC	100	mg/kg	[1]

CITH-WMW-21 08/07/13

Depth	Parameter	Result	Units	[Criteria]
10-11	ALUMINUM	7500	mg/kg	[1]
10-11	BARIUM	530	mg/kg	[1]
10-11	COBALT	3.2	mg/kg	[2]
10-11	LEAD	4.6	mg/kg	[2]

CITH-WMW-23 08/05/13

Depth	Parameter	Result	Units	[Criteria]
14-15	2-METHYLNAPHTHALENE	7900	ug/kg	[2]
14-15	COBALT	3.2	mg/kg	[2]
14-15	LEAD	4.3	mg/kg	[2]
14-15	PHENANTHRENE	3200	ug/kg	[2]

CITH-WMW-24 08/06/13

Depth	Parameter	Result	Units	[Criteria]
7-8	ALUMINUM	11000	mg/kg	[1]
7-8	ALUMINUM	9400	mg/kg	[1]
7-8	ARSENIC	11	mg/kg	[1,2]
7-8	ARSENIC	9.8	mg/kg	[1,2]
7-8	COBALT	8.5	mg/kg	[1,2]
7-8	COBALT	7.6	mg/kg	[1,2]
7-8	IRON	18000	mg/kg	[1]
7-8	IRON	16000	mg/kg	[1]
7-8	LEAD	8.8	mg/kg	[2]
7-8	LEAD	7.5	mg/kg	[2]
7-8	NICKEL	22	mg/kg	[1]

CITH-WMW-26 08/06/13

Depth	Parameter	Result	Units	[Criteria]
24-25	ARSENIC	6.2	mg/kg	[1,2]
24-25	COBALT	4.3	mg/kg	[2]
24-25	IRON	15000	mg/kg	[1]
24-25	LEAD	5.6	mg/kg	[2]

Criteria:
1 = Statewide Background Levels (SWB)
2 = Groundwater-Surface Water Interface Protection (GSI) Criteria & Risk-Based Screening Criteria (RBSL)
3 = MDEQ Part 201 Direct Contact Criteria (DCC) & RBSLs

Legend

- Former USTs
- *Potential UST Remaining On-Site*
- Sampling Locations - At Least One Exceedance
- Sampling Locations - No Exceedances
- Former Hazardous Substance Storage Areas
- Surrounding Parcels
- Subject Parcels

N

0 500 Feet

Source: Esri, i-cubed, USDA, USGS, AEX, GeoEye, Getmapping, Aerogrid, IGN, IGP, and the GIS User Community, Copyright© 2012 Esri, DeLorme, NAVTEQ, TomTom

FILE: D:\Chevy_Hole\mxd\SAR2014\F4_Soil_Exceeds.mxd 1/17/2014 4:21:23 PM wojdakon

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Contract No.: EP-S5-06-04
TDD: S05-0001-1206-017
DCN: 1887-2A-BKFZ

Prepared By:
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360 E. Maple Road
Suite R
Troy, MI 48083

Figure 28
Soil Sampling Results Exceeding MDEQ Screening Criteria
Chevy in the Hole
Flint, Genesee County, Michigan

Imagery Source: ESRI Bing Maps

CITH-PZ-4

Date	Parameter	Result	Units	[Criteria]
12/12/13	VINYL CHLORIDE	2.5	ug/l	[1]
12/12/13	VINYL CHLORIDE	2.7	ug/l	[1]

CITH-MW-4

Date	Parameter	Result	Units	[Criteria]
09/09/13	TRICHLOROETHYLENE (TCE)	110	ug/l	[1]
12/10/13	TRICHLOROETHYLENE (TCE)	97	ug/l	[1]

CITH-MW-11d

Date	Parameter	Result	Units	[Criteria]
09/13/13	VINYL CHLORIDE	2.4	ug/l	[1]
12/05/13	VINYL CHLORIDE	2.9	ug/l	[1]

CITH-WMW-11

Date	Parameter	Result	Units	[Criteria]
09/09/13	FLUORANTHENE	2	ug/l	[2]
09/09/13	PHENANTHRENE	7.2	ug/l	[2]
12/06/13	FLUORANTHENE	2.2	ug/l	[2]
12/06/13	PHENANTHRENE	8.8	ug/l	[2]

CITH-PZ-5

Date	Parameter	Result	Units	[Criteria]
09/12/13	VINYL CHLORIDE	10	ug/l	[1]
09/12/13	VINYL CHLORIDE	11	ug/l	[1]

CITH-MW-31

Date	Parameter	Result	Units	[Criteria]
12/10/13	ETHYLBENZENE	310	ug/l	[1,2]
12/10/13	ISOPROPYLBENZENE (CUMENE)	53	ug/l	[2]
12/10/13	NAPHTHALENE	41	ug/l	[2]

CITH-MW-6d

Date	Parameter	Result	Units	[Criteria]
09/19/13	TRICHLOROETHYLENE (TCE)	14	ug/l	[1]
12/11/13	TRICHLOROETHYLENE (TCE)	13	ug/l	[1]

CITH-MW-2

Date	Parameter	Result	Units	[Criteria]
09/13/13	CIS-1,2-DICHLOROETHYLENE	77	ug/l	[1]
09/13/13	TRICHLOROETHYLENE (TCE)	110	ug/l	[1]
12/09/13	CIS-1,2-DICHLOROETHYLENE	95	ug/l	[1]
12/09/13	TRICHLOROETHYLENE (TCE)	97	ug/l	[1]

CITH-MW-6S

Date	Parameter	Result	Units	[Criteria]
09/19/13	TRICHLOROETHYLENE (TCE)	38	ug/l	[1]
09/19/13	TRICHLOROETHYLENE (TCE)	38	ug/l	[1]
12/11/13	TRICHLOROETHYLENE (TCE)	34	ug/l	[1]

CITH-WMW-16

Date	Parameter	Result	Units	[Criteria]
09/18/13	VINYL CHLORIDE	4.5	ug/l	[1]
12/05/13	VINYL CHLORIDE	3.8	ug/l	[1]

CITH-MW-10

Date	Parameter	Result	Units	[Criteria]
09/20/13	BENZENE	64	ug/l	[1]
09/20/13	BENZENE	65	ug/l	[1]
12/10/13	BENZENE	170	ug/l	[1]

CITH-MW-106d

Date	Parameter	Result	Units	[Criteria]
09/16/13	CIS-1,2-DICHLOROETHYLENE	220	ug/l	[1]
09/16/13	TETRACHLOROETHYLENE(PCE)	7.2	ug/l	[1]
09/16/13	TRICHLOROETHYLENE (TCE)	310	ug/l	[1,2]
09/16/13	VINYL CHLORIDE	4.2	ug/l	[1]
12/09/13	CIS-1,2-DICHLOROETHYLENE	100	ug/l	[1]
12/09/13	TRICHLOROETHYLENE (TCE)	14	ug/l	[1]

CITH-MW-12R

Date	Parameter	Result	Units	[Criteria]
12/11/13	TRICHLOROETHYLENE (TCE)	7.2	ug/l	[1]

CITH-WMW-27

Date	Parameter	Result	Units	[Criteria]
09/04/13	TETRACHLOROETHYLENE(PCE)	83	ug/l	[1,2]
12/03/13	TETRACHLOROETHYLENE(PCE)	34	ug/l	[1]

CITH-WMW-20

Date	Parameter	Result	Units	[Criteria]
09/17/13	ETHYLBENZENE	22	ug/l	[2]
09/17/13	ETHYLBENZENE	25	ug/l	[2]
09/17/13	NAPHTHALENE	16	ug/l	[2]

CITH-MW-15S

Date	Parameter	Result	Units	[Criteria]
09/18/13	TRICHLOROETHYLENE (TCE)	8.8	ug/l	[1]

CITH-MW-105S

Date	Parameter	Result	Units	[Criteria]
09/16/13	TRICHLOROETHYLENE (TCE)	32	ug/l	[1]
09/16/13	VINYL CHLORIDE	24	ug/l	[1,2]
12/05/13	CIS-1,2-DICHLOROETHYLENE	150	ug/l	[1]
12/05/13	TRICHLOROETHYLENE (TCE)	94	ug/l	[1]
12/05/13	VINYL CHLORIDE	38	ug/l	[1,2]

CITH-MW-19

Date	Parameter	Result	Units	[Criteria]
12/11/13	BENZO(G,H,I)PERYLENE	1.1	ug/l	[1]

CITH-MW-21

Date	Parameter	Result	Units	[Criteria]
09/19/13	NAPHTHALENE	20	ug/l	[2]

CITH-MW-105d

Date	Parameter	Result	Units	[Criteria]
09/16/13	VINYL CHLORIDE	5.9	ug/l	[1]
12/05/13	VINYL CHLORIDE	3.6	ug/l	[1]

CITH-WMW-19

Date	Parameter	Result	Units	[Criteria]
12/04/13	VINYL CHLORIDE	2.3	ug/l	[1]

CITH-MW-5

Date	Parameter	Result	Units	[Criteria]
09/13/13	FLUORANTHENE	1.9	ug/l	[2]

Criteria:
1 = Nonresidential Drinking Water Criteria (NR) and Risk-Based Screening Levels (RBSL)
2 = Groundwater-Surface Water Interface Protection (GSI) Criteria and RBSLs

Legend

- LNAPL sample, no groundwater sample collected
- Sampling Locations - At Least One Exceedance
- Sampling Locations - No Exceedances
- Former USTs
- Potential UST Remaining On-Site
- Former Hazardous Substance Storage Areas
- Surrounding Parcels
- Subject Parcels

N

0 500 Feet

Source: Esri, i-cubed, USDA, USGS, AEX, GeoEye, Getmapping, Aerogrid, IGN, IGP, and the GIS User Community, Copyright:© 2012 Esri, DeLorme, NAVTEQ, TomTom

FILE: D:\Chevy_Hole\mxd\SAR2014\F5_GW_Exceeds_Organics.mxd 1/17/2014 4:22:11 PM wojdakon

Prepared For:
US EPA Region V
Contract No.: EP-S5-06-04
TDD: S05-0001-1206-017
DCN: 1887-2A-BKFZ

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Figure 29
Quarter 2 & 3 Groundwater Sampling Results
Exceeding MDEQ Screening Criteria - Organics
Chevy in the Hole
Flint, Genesee County, Michigan

Image Source: ESRI World Imagery

CITH-PZ-4

Date	Parameter	Result	Units	[Criteria]
09/12/13	ARSENIC	270	ug/l	[1,2]
12/12/13	ARSENIC	310	ug/l	[1,2]
12/12/13	ARSENIC	310	ug/l	[1,2]

CITH-MW-10S

Date	Parameter	Result	Units	[Criteria]
09/16/13	ARSENIC	420	ug/l	[1,2]
12/05/13	ARSENIC	410	ug/l	[1,2]
12/05/13	LEAD	11	ug/l	[1]

CITH-MW-9S

Date	Parameter	Result	Units	[Criteria]
09/09/13	ARSENIC	44	ug/l	[1,2]
09/09/13	MERCURY	0.00408	ug/l	[2]

CITH-MW-10d

Date	Parameter	Result	Units	[Criteria]
09/10/13	ARSENIC	26	ug/l	[1,2]
09/10/13	ARSENIC	27	ug/l	[1,2]
12/05/13	ARSENIC	33	ug/l	[1,2]

CITH-MW-9d

Date	Parameter	Result	Units	[Criteria]
09/12/13	ARSENIC	23	ug/l	[1,2]
12/06/13	ARSENIC	25	ug/l	[1,2]
12/06/13	ARSENIC	25	ug/l	[1,2]
12/06/13	LEAD	4.2	ug/l	[1]

CITH-WMW-15

Date	Parameter	Result	Units	[Criteria]
09/11/13	ARSENIC	62	ug/l	[1,2]
12/13/13	ARSENIC	66	ug/l	[1,2]

CITH-WMW-13

Date	Parameter	Result	Units	[Criteria]
09/18/13	ARSENIC	47	ug/l	[1,2]
09/18/13	LEAD	49	ug/l	[1]
12/05/13	ARSENIC	70	ug/l	[1,2]
12/05/13	LEAD	28	ug/l	[1]

CITH-MW-6

Date	Parameter	Result	Units	[Criteria]
09/10/13	ARSENIC	12	ug/l	[1,2]
09/10/13	MERCURY	0.00989	ug/l	[2]
12/05/13	ARSENIC	28	ug/l	[1,2]

CITH-WMW-11

Date	Parameter	Result	Units	[Criteria]
09/09/13	ARSENIC	14	ug/l	[1,2]
09/09/13	MERCURY	0.00577	ug/l	[2]
12/06/13	ARSENIC	18	ug/l	[1,2]

CITH-MW-31

Date	Parameter	Result	Units	[Criteria]
09/19/13	ARSENIC	18	ug/l	[1,2]
09/19/13	LEAD	15	ug/l	[1]
09/19/13	MERCURY	0.2	ug/l	[2]
12/10/13	ARSENIC	130	ug/l	[1,2]

CITH-WMW-2

Date	Parameter	Result	Units	[Criteria]
09/09/13	ARSENIC	17	ug/l	[1,2]
12/03/13	ARSENIC	26	ug/l	[1,2]

CITH-MW-11d

Date	Parameter	Result	Units	[Criteria]
09/13/13	ARSENIC	220	ug/l	[1,2]
12/05/13	ARSENIC	320	ug/l	[1,2]

CITH-MW-11S

Date	Parameter	Result	Units	[Criteria]
09/11/13	LEAD	19	ug/l	[1]

CITH-WMW-3

Date	Parameter	Result	Units	[Criteria]
12/04/13	ARSENIC	20	ug/l	[1,2]

CITH-MW-6d

Date	Parameter	Result	Units	[Criteria]
12/11/13	ARSENIC	49	ug/l	[1,2]

CITH-PZ-5

Date	Parameter	Result	Units	[Criteria]
09/12/13	ARSENIC	17	ug/l	[1,2]
09/12/13	ARSENIC	18	ug/l	[1,2]

CITH-MW-6S

Date	Parameter	Result	Units	[Criteria]
09/19/13	ARSENIC	13	ug/l	[1,2]
09/19/13	LEAD	77	ug/l	[1]
09/19/13	LEAD	12	ug/l	[1]
12/11/13	LEAD	12	ug/l	[1]
12/11/13	SELENIUM	12	ug/l	[2]

CITH-MW-13

Date	Parameter	Result	Units	[Criteria]
09/10/13	ARSENIC	57	ug/l	[1,2]
12/09/13	ARSENIC	59	ug/l	[1,2]

CITH-MW-10

Date	Parameter	Result	Units	[Criteria]
12/10/13	LEAD	4.9	ug/l	[1]

CITH-PZ-2

Date	Parameter	Result	Units	[Criteria]
09/12/13	ARSENIC	30	ug/l	[1,2]
09/12/13	LEAD	25	ug/l	[1]
12/13/13	ARSENIC	21	ug/l	[1,2]

CITH-MW-103S

Date	Parameter	Result	Units	[Criteria]
09/16/13	LEAD	8.3	ug/l	[1]
12/10/13	ARSENIC	39	ug/l	[1,2]
12/10/13	LEAD	39	ug/l	[1]
12/10/13	MERCURY	0.097 J	ug/l	[2]
12/10/13	VANADIUM	33	ug/l	[2]

CITH-MW-21

Date	Parameter	Result	Units	[Criteria]
09/19/13	LEAD	13	ug/l	[1]
12/11/13	LEAD	17	ug/l	[1]

CITH-WMW-16

Date	Parameter	Result	Units	[Criteria]
09/18/13	ARSENIC	62	ug/l	[1,2]
12/05/13	ARSENIC	65	ug/l	[1,2]

CITH-MW-11

Date	Parameter	Result	Units	[Criteria]
12/10/13	SILVER	0.35	ug/l	[2]

CITH-MW-BLD02-36

Date	Parameter	Result	Units	[Criteria]
09/20/13	ARSENIC	300	ug/l	[1,2]
09/20/13	LEAD	4.4	ug/l	[1]
12/11/13	ANTIMONY	20	ug/l	[1]
12/11/13	ARSENIC	330	ug/l	[1,2]

CITH-MW-106d

Date	Parameter	Result	Units	[Criteria]
12/09/13	ARSENIC	11	ug/l	[1,2]

CITH-MW-105d

Date	Parameter	Result	Units	[Criteria]
09/16/13	ARSENIC	51	ug/l	[1,2]
12/05/13	ARSENIC	49	ug/l	[1,2]

CITH-MW-1

Date	Parameter	Result	Units	[Criteria]
09/18/13	ARSENIC	480	ug/l	[1,2]
12/11/13	ARSENIC	540	ug/l	[1,2]
12/11/13	ARSENIC	520	ug/l	[1,2]

CITH-WMW-20

Date	Parameter	Result	Units	[Criteria]
09/17/13	ARSENIC	12	ug/l	[1,2]
09/17/13	ARSENIC	11	ug/l	[1,2]
09/17/13	LEAD	4.4	ug/l	[1]

CITH-MW-14SR

Date	Parameter	Result	Units	[Criteria]
12/12/13	LEAD	9	ug/l	[1]

CITH-MW-5

Date	Parameter	Result	Units	[Criteria]
09/13/13	LEAD	34	ug/l	[1]

CITH-MW-15D

Date	Parameter	Result	Units	[Criteria]
12/12/13	ARSENIC	23	ug/l	[1,2]

CITH-WMW-17

Date	Parameter	Result	Units	[Criteria]
09/10/13	ARSENIC	14	ug/l	[1,2]
12/04/13	ARSENIC	13	ug/l	[1,2]
12/04/13	LEAD	5.4	ug/l	[1]

CITH-MW-15S

Date	Parameter	Result	Units	[Criteria]
09/18/13	ANTIMONY	7	ug/l	[1]
09/18/13	LEAD	12	ug/l	[1]
09/18/13	MERCURY	0.45	ug/l	[2]
12/12/13	ANTIMONY	8.6	ug/l	[1]
12/12/13	LEAD	10	ug/l	[1]
12/12/13	MERCURY	0.18 J	ug/l	[2]

CITH-WMW-22

Date	Parameter	Result	Units	[Criteria]
09/17/13	LEAD	5.9	ug/l	[1]
12/09/13	LEAD	4.1	ug/l	[1]

CITH-MW-16

Date	Parameter	Result	Units	[Criteria]
09/19/13	ARSENIC	120	ug/l	[1,2]
09/19/13	LEAD	25	ug/l	[1]
12/11/13	ARSENIC	99	ug/l	[1,2]
12/11/13	LEAD	45	ug/l	[1]
12/11/13	MERCURY	0.089 J	ug/l	[2]

CITH-MW-100d

Date	Parameter	Result	Units	[Criteria]
09/10/13	ARSENIC	92	ug/l	[1,2]
12/04/13	ARSENIC	160	ug/l	[1,2]
12/04/13	ARSENIC	150	ug/l	[1,2]

CITH-WMW-29

Date	Parameter	Result	Units	[Criteria]
09/04/13	ARSENIC	13	ug/l	[1,2]
12/03/13	ARSENIC	14	ug/l	[1,2]
12/03/13	LEAD	4.2	ug/l	[1]

CITH-MW-17S

Date	Parameter	Result	Units	[Criteria]
09/19/13	ARSENIC	39	ug/l	[1,2]
12/12/13	ARSENIC	200	ug/l	[1,2]

CITH-MW-100S

Date	Parameter	Result	Units	[Criteria]
12/04/13	ARSENIC	12	ug/l	[1,2]

CITH-WMW-25

Date	Parameter	Result	Units	[Criteria]
09/17/13	ARSENIC	11	ug/l	[1,2]
12/06/13	ARSENIC	11	ug/l	[1,2]
12/06/13	ARSENIC	11	ug/l	[1,2]

CITH-WMW-18

Date	Parameter	Result	Units	[Criteria]
09/17/13	ARSENIC	31	ug/l	[1,2]
12/04/13	ARSENIC	37	ug/l	[1,2]

CITH-MW-17d

Date	Parameter	Result	Units	[Criteria]
09/19/13	ARSENIC	170	ug/l	[1,2]
09/19/13	LEAD	5.5	ug/l	[1]
12/12/13	ARSENIC	160	ug/l	[1,2]
12/12/13	LEAD	18	ug/l	[1]

CITH-WMW-30

Date	Parameter	Result	Units	[Criteria]
12/03/13	SILVER	0.21	ug/l	[2]

CITH-MW-12d

Date	Parameter	Result	Units	[Criteria]
09/13/13	ARSENIC	45	ug/l	[1,2]
12/04/13	ARSENIC	53	ug/l	[1,2]

CITH-MW-19

Date	Parameter	Result	Units	[Criteria]
09/19/13	ARSENIC	30	ug/l	[1,2]
09/19/13	ARSENIC	30	ug/l	[1,2]
09/19/13	LEAD	11	ug/l	[1]
09/19/13	LEAD	12	ug/l	[1]
09/19/13	MERCURY	0.23	ug/l	[2]
12/11/13	ARSENIC	61	ug/l	[1,2]
12/11/13	LEAD	130	ug/l	[1]
12/11/13	MERCURY	0.35	ug/l	[2]
12/11/13	SILVER	0.59	ug/l	[2]
12/11/13	VANADIUM	42	ug/l	[2]

CITH-WMW-20

Date	Parameter	Result	Units	[Criteria]
09/19/13	LEAD	12	ug/l	[1]
09/19/13	MERCURY	0.21	ug/l	[2]
12/11/13	ANTIMONY	30	ug/l	[1]
12/11/13	ARSENIC	13	ug/l	[1,2]

CITH-WMW-24

Date	Parameter	Result	Units	[Criteria]
09/17/13	ARSENIC	14	ug/l	[1,2]
12/04/13	ARSENIC	18	ug/l	[1,2]

CITH-WMW-21

Date	Parameter	Result	Units	[Criteria]
09/17/13	ARSENIC	69	ug/l	[1,2]
12/04/13	ARSENIC	63	ug/l	[1,2]

Criteria:
1 = Nonresidential Drinking Water Criteria (NR) and Risk-Based Screening Levels (RBSL)
2 = Groundwater-Surface Water Interface Protection (GSI) Criteria and RBSLs

Legend

- LNAPL sample, no groundwater sample collected
- Sampling Locations - At Least One Exceedance
- Sampling Locations - No Exceedances
- Former USTs
- *Potential UST Remaining On-Site*
- Former Hazardous Substance Storage Areas
- Surrounding Parcels
- Subject Parcels

N

0 500 Feet

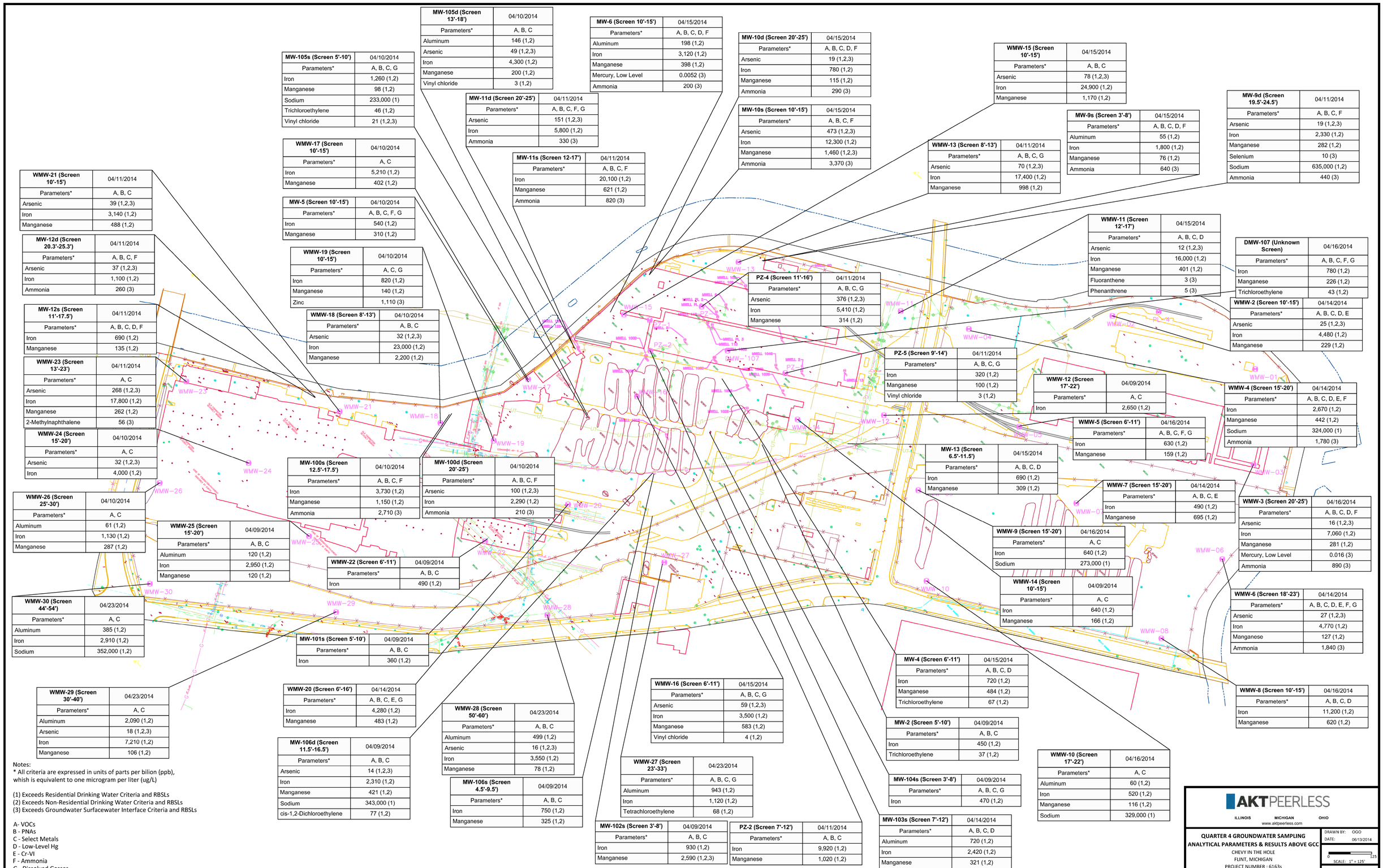
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Prepared For:
US EPA Region V
Contract No.: EP-S5-06-04
TDD: S05-0001-1206-017
DCN: 1887-2A-BKFZ

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Figure 30
Quarter 2 & 3 Groundwater Sampling Results
Exceeding MDEQ Screening Criteria - Inorganics
Chevy in the Hole
Flint, Genesee County, Michigan


WMW-01
WMW-02
WMW-03
WMW-04
WMW-05
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MWELL 137
MWELL 138
MW-105d (Screen 13'-18')
Parameters* A, B, C
Aluminum 146 (1,2)
Arsenic 49 (1,2,3)
Iron 4,300 (1,2)
Manganese 200 (1,2)
Vinyl chloride 3 (1,2)
MW-105s (Screen 5'-10')
Parameters* A, B, C, G
Iron 1,260 (1,2)
Manganese 98 (1,2)
Sodium 233,000 (1)
Trichloroethylene 46 (1,2)
Vinyl chloride 21 (1,2,3)
MW-11d (Screen 20'-25')
Parameters* A, B, C, F, G
Arsenic 151 (1,2,3)
Iron 5,800 (1,2)
Ammonia 330 (3)
MW-6 (Screen 10'-15')
Parameters* A, B, C, D, F
Aluminum 198 (1,2)
Iron 3,120 (1,2)
Manganese 398 (1,2)
Mercury, Low Level 0.0052 (3)
Ammonia 200 (3)
MW-10d (Screen 20'-25')
Parameters* A, B, C, D, F
Arsenic 19 (1,2,3)
Iron 780 (1,2)
Manganese 115 (1,2)
Ammonia 290 (3)
MW-10s (Screen 10'-15')
Parameters* A, B, C, F
Arsenic 473 (1,2,3)
Iron 12,300 (1,2)
Manganese 1,460 (1,2,3)
Ammonia 3,370 (3)
WMW-15 (Screen 10'-15')
Parameters* A, B, C
Arsenic 78 (1,2,3)
Iron 24,900 (1,2)
Manganese 1,170 (1,2)
MW-9s (Screen 3'-8')
Parameters* A, B, C, D, F
Aluminum 55 (1,2)
Iron 1,800 (1,2)
Manganese 76 (1,2)
Ammonia 640 (3)
MW-9d (Screen 19.5'-24.5')
Parameters* A, B, C, F
Arsenic 19 (1,2,3)
Iron 2,330 (1,2)
Manganese 282 (1,2)
Selenium 10 (3)
Sodium 635,000 (1,2)
Ammonia 440 (3)
WMW-13 (Screen 8'-13')
Parameters* A, B, C, G
Arsenic 70 (1,2,3)
Iron 17,400 (1,2)
Manganese 998 (1,2)
WMW-17 (Screen 10'-15')
Parameters* A, C
Iron 5,210 (1,2)
Manganese 402 (1,2)
MW-5 (Screen 10'-15')
Parameters* A, B, C, F, G
Iron 540 (1,2)
Manganese 310 (1,2)
MW-11s (Screen 12-17')
Parameters* A, B, C, F
Iron 20,100 (1,2)
Manganese 621 (1,2)
Ammonia 820 (3)
WMW-19 (Screen 10'-15')
Parameters* A, C, G
Iron 820 (1,2)
Manganese 140 (1,2)
Zinc 1,110 (3)
WMW-18 (Screen 8'-13')
Parameters* A, B, C
Arsenic 32 (1,2,3)
Iron 23,000 (1,2)
Manganese 2,200 (1,2)
WMW-11 (Screen 12'-17')
Parameters* A, B, C, D
Arsenic 12 (1,2,3)
Iron 16,000 (1,2)
Manganese 401 (1,2)
Fluoranthrene 3 (3)
Phenanthrene 5 (3)
DMW-107 (Unknown Screen)
Parameters* A, B, C, F, G
Iron 780 (1,2)
Manganese 226 (1,2)
Trichloroethylene 43 (1,2)
WMW-2 (Screen 10'-15')
Parameters* A, B, C, D, E
Arsenic 25 (1,2,3)
Iron 4,480 (1,2)
Manganese 229 (1,2)
PZ-4 (Screen 11'-16')
Parameters* A, B, C, G
Arsenic 376 (1,2,3)
Iron 5,410 (1,2)
Manganese 314 (1,2)
PZ-5 (Screen 9'-14')
Parameters* A, B, C, G
Iron 320 (1,2)
Manganese 100 (1,2)
Vinyl chloride 3 (1,2)
WMW-12 (Screen 17'-22')
Parameters* A, C
Iron 2,650 (1,2)
WMW-4 (Screen 15'-20')
Parameters* A, B, C, D, E, F
Iron 2,670 (1,2)
Manganese 442 (1,2)
Sodium 324,000 (1)
Ammonia 1,780 (3)
WMW-5 (Screen 6'-11')
Parameters* A, B, C, F, G
Iron 630 (1,2)
Manganese 159 (1,2)
WMW-21 (Screen 10'-15')
Parameters* A, B, C
Arsenic 39 (1,2,3)
Iron 3,140 (1,2)
Manganese 488 (1,2)
MW-12d (Screen 20.3'-25.3')
Parameters* A, B, C, F
Arsenic 37 (1,2,3)
Iron 1,100 (1,2)
Ammonia 260 (3)
MW-12s (Screen 11'-17.5')
Parameters* A, B, C, D, F
Iron 690 (1,2)
Manganese 135 (1,2)
WMW-23 (Screen 13'-23')
Parameters* A, C
Arsenic 268 (1,2,3)
Iron 17,800 (1,2)
Manganese 262 (1,2)
2-Methylnaphthalene 56 (3)
WMW-24 (Screen 15'-20')
Parameters* A, C
Arsenic 32 (1,2,3)
Iron 4,000 (1,2)
MW-100s (Screen 12.5'-17.5')
Parameters* A, B, C, F
Iron 3,730 (1,2)
Manganese 1,150 (1,2)
Ammonia 2,710 (3)
MW-100d (Screen 20'-25')
Parameters* A, B, C, F
Arsenic 100 (1,2,3)
Iron 2,290 (1,2)
Ammonia 210 (3)
WMW-26 (Screen 25'-30')
Parameters* A, C
Aluminum 61 (1,2)
Iron 1,130 (1,2)
Manganese 287 (1,2)
WMW-25 (Screen 15'-20')
Parameters* A, B, C
Aluminum 120 (1,2)
Iron 2,950 (1,2)
Manganese 120 (1,2)
WMW-22 (Screen 6'-11')
Parameters* A, B, C
Iron 490 (1,2)
MW-13 (Screen 6.5'-11.5')
Parameters* A, B, C, D
Iron 690 (1,2)
Manganese 309 (1,2)
WMW-7 (Screen 15'-20')
Parameters* A, B, C, E
Iron 490 (1,2)
Manganese 695 (1,2)
WMW-3 (Screen 20'-25')
Parameters* A, B, C, D, F
Arsenic 16 (1,2,3)
Iron 7,060 (1,2)
Manganese 281 (1,2)
Mercury, Low Level 0.016 (3)
Ammonia 890 (3)
WMW-9 (Screen 15'-20')
Parameters* A, C
Iron 640 (1,2)
Sodium 273,000 (1)
WMW-14 (Screen 10'-15')
Parameters* A, C
Iron 640 (1,2)
Manganese 166 (1,2)
WMW-6 (Screen 18'-23')
Parameters* A, B, C, D, E, F, G
Arsenic 27 (1,2,3)
Iron 4,770 (1,2)
Manganese 127 (1,2)
Ammonia 1,840 (3)
WMW-30 (Screen 44'-54')
Parameters* A, C
Aluminum 385 (1,2)
Iron 2,910 (1,2)
Sodium 352,000 (1,2)
MW-101s (Screen 5'-10')
Parameters* A, B, C
Iron 360 (1,2)
MW-4 (Screen 6'-11')
Parameters* A, B, C, D
Iron 720 (1,2)
Manganese 484 (1,2)
Trichloroethylene 67 (1,2)
WMW-8 (Screen 10'-15')
Parameters* A, B, C, D
Iron 11,200 (1,2)
Manganese 620 (1,2)
WMW-29 (Screen 30'-40')
Parameters* A, C
Aluminum 2,090 (1,2)
Arsenic 18 (1,2,3)
Iron 7,210 (1,2)
Manganese 106 (1,2)
WMW-20 (Screen 6'-16')
Parameters* A, B, C, E, G
Iron 4,280 (1,2)
Manganese 483 (1,2)
WMW-28 (Screen 50'-60')
Parameters* A, B, C
Aluminum 499 (1,2)
Arsenic 16 (1,2,3)
Iron 3,550 (1,2)
Manganese 78 (1,2)
MW-106d (Screen 11.5'-16.5')
Parameters* A, B, C
Arsenic 14 (1,2,3)
Iron 2,310 (1,2)
Manganese 421 (1,2)
Sodium 343,000 (1)
cis-1,2-Dichloroethylene 77 (1,2)
MW-106s (Screen 4.5'-9.5')
Parameters* A, B, C
Iron 750 (1,2)
Manganese 325 (1,2)
WMW-16 (Screen 6'-11')
Parameters* A, B, C, G
Arsenic 59 (1,2,3)
Iron 3,500 (1,2)
Manganese 583 (1,2)
Vinyl chloride 4 (1,2)
MW-2 (Screen 5'-10')
Parameters* A, B, C
Iron 450 (1,2)
Trichloroethylene 37 (1,2)
WMW-10 (Screen 17'-22')
Parameters* A, C
Aluminum 60 (1,2)
Iron 520 (1,2)
Manganese 116 (1,2)
Sodium 329,000 (1)
WMW-27 (Screen 23'-33')
Parameters* A, B, C, G
Aluminum 943 (1,2)
Iron 1,120 (1,2)
Tetrachloroethylene 68 (1,2)
MW-104s (Screen 3'-8')
Parameters* A, B, C, G
Iron 470 (1,2)
MW-102s (Screen 3'-8')
Parameters* A, B, C
Iron 930 (1,2)
Manganese 2,590 (1,2,3)
PZ-2 (Screen 7'-12')
Parameters* A, B, C
Iron 9,920 (1,2)
Manganese 1,020 (1,2)
MW-103s (Screen 7'-12')
Parameters* A, B, C, D
Aluminum 720 (1,2)
Iron 2,420 (1,2)
Manganese 321 (1,2)
Notes:
* All criteria are expressed in units of parts per bilion (ppb), whish is equivalent to one microgram per liter (ug/L)
(1) Exceeds Residential Drinking Water Criteria and RBSLs
(2) Exceeds Non-Residential Drinking Water Criteria and RBSLs
(3) Exceeds Groundwater Surfacewater Interface Criteria and RBSLs
A- VOCs
B - PNAs
C - Select Metals
D - Low-Level Hg
E - Cr-VI
F - Ammonia
G - Dissolved Gasses
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ILLINOIS MICHIGAN OHIO
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QUARTER 4 GROUNDWATER SAMPLING
ANALYTICAL PARAMETERS & RESULTS ABOVE GCC
CHEVY IN THE HOLE
FLINT, MICHIGAN
PROJECT NUMBER : 6163s
DRAWN BY: OGO
DATE: 06/13/2014
SCALE: 1" = 125'
FIGURE 31



Note:
Adapted from aerial imagery dated 6/23/16.

LEGEND

- Soil Boring/Temporary Monitoring Well (B/TMW) Location
- Soil Boring (B) Location
- Existing Monitoring Well (MW) Location
- Cistern/Storm
- LUST Sites & Former Gas Stations
- Auto Repair Facilities
- Dry Cleaners / Laundry

Site Map

N W E S

Location:
Grand Trunk Western Railroad
Flint, MI 48503

Figure # 2

0 250 500
Approximate scale in feet

Drawing Date: 9-29-16
Project Number: 3776
Project Manager: RG
CAD File: 3776-2-1
Drawn by: BAP

Compliance INC
Environmental Engineering & Regulatory Consulting
Traverse City, MI 231-922-7400 Brighton, MI 810-225-8674

Chevy Commons BEA Figure 25

N
W E
S

ATWOOD STADIUM
701 WEST 3RD STREET

STADIUM PARKING

FLINT RIVER

RAY COURT

RAY STREET

VACANT
GRASSY LOT

VACANT GRASSY LOT

TENACITY BREWING
119 NORTH GRAND
TRAVERSE STREET
(BEA, SHWS, WASTE)

BANKS STREET

VACANT
GRASSY LOT
1100 BLUFF STREET

BLUFF STREET

PARCEL D

PARCEL G

PARCEL H

GRASS

ASPHALT

COMMERCIAL
VACANT BUILDING
630 WEST KEARSLEY STREET
(BEA, FED BROWNFIELDS,
UST, WASTE)

MORRIS COURT

COTTAGE GROVE AVENUE

FROST STREET

VACANT
GRASSY LOT

CADILLAC STREET

MATTHEWSON STREET

PARCEL I

CONCRETE
PARKING LOT

VACANT GRASSY LOT
712 WEST KEARSLEY STREET
(BEA, FED BROWNFIELDS)

PARCEL J

PARCEL E

B-6

GRASS

PARCEL B

STEVENSON STREET

KEARSLEY STREET

CONSUMER'S ENERGY
SUBSTATION
320 SOUTH
STEVENSON STREET
(AUL, SHWS, PFAS
WASTE)

GENERAL MOTORS METAL FABRICATION
425 SOUTH STEVENSON STREET
(RCRA SQG, RCRA NON-GEN, WASTE, SPILLS)

SWARTZ CREEK

KETTERING UNIVERSITY
GM MOBILITY RESEARCH CENTER
304 NORTH CHEVROLET AVENUE
(RCRA VSQG, WASTE, FINDS/FRS)

B-3D (12-14')

9/07/16	
Selenium	1,100 ug/Kg (1)

B-6S (6-8')

9/07/16	
Arsenic	7,600 ug/Kg (1,2)
Chromium, Total	23,000 ug/Kg (1)
Selenium	1,200 ug/Kg (1)

B-6D (10-12')

9/07/16	
Selenium	1,000 ug/Kg (1)

KETTERING UNIVERSITY/VACANT GRASSY LOT
1700 WEST 3RD STREET
(LUST, AUL, WASTE)

CHEVROLET AVENUE

B-3/TMW-3

GRASS

COMMERCIAL
VACANT BUILDING
1222 GLENWOOD AVENUE

VACANT
GRASSY LOT
417 ASYLUM STREET
(BEA)

CHASE STREET

B-18

B-17 (0-.5')

10/10/16	
Arsenic	50,000 ug/Kg (1,2,3)
Selenium	2,100 ug/Kg (1)

CONSUMERS ENERGY SUBSTATION
300 NORTH CHEVROLET AVENUE

GRASS

B-2/TMW-2

B-17

ASPHALT

VACANT
GRASSY LOTS

ASYLUM STREET

B-18 (0-.5')

10/10/16	
Arsenic	12,000 ug/Kg (1,2)
Chromium, Total	13,000 ug/Kg (1)
Selenium	650 ug/Kg (1)

FLINT RIVER

PARCEL F

GRASS

CONCRETE
PAD

PARCEL A

PARCEL C

GLENWOOD AVENUE

VACANT
GRASSY LOTS

HAZELTON STREET

B-1/TMW-1

B-16

GRASS

VACANT
WOODED LOT

VACANT
GRASSY LOT
(BEA, UST, LUST)

WEST 2nd STREET

THAYER STREET

B-2S (8-10')

9/07/16	
Arsenic	31,000 ug/Kg (1,2)
Chromium, Total	35,000 ug/Kg (1,2)
Lead	510,000 ug/Kg (3)
Mercury, Total	620 ug/Kg (1)
Selenium	3,400 ug/Kg (1)

B-2D (14-16')

9/07/16	
Arsenic	14,000 ug/Kg (1,2)
Chromium, Total	45,000 ug/Kg (1,2)
Selenium	1,700 ug/Kg (1)

KETTERING
UNIVERSITY SIGN
420 SOUTH
CHEVROLET AVENUE

RESIDENTIALS
2001-2002 BECKWITH COURT

CENTER STREET

GENESEE VALLEY TRAIL

RAY'S GARAGE
1940
WEST COURT STREET
(WASTE)

VACANT
GRASSY LOT

VACANT GRASSY LOT
1730 GLENWOOD AVENUE
(BEA)

VACANT GRASSY LOT
1701 GLENWOOD AVENUE
(RCRA VSQG, WASTE, BEA, UST, LUST)

FOX STREET

B-1S (3-4')

9/07/16	
Arsenic	6,400 ug/Kg (1,2)
Selenium	630 ug/Kg (1)

B-1D (15-16')

9/07/16	
Selenium	1,100 ug/Kg (1)

B-16 (0-.5')

10/10/16	
Arsenic	13,000 ug/Kg (1,2)
Chromium, Total	34,000 ug/Kg (1,2)
Selenium	600 ug/Kg (1)

CRITERIA NOTE

(1) - Exceeds Groundwater Surface Water Interface Protection Criteria
(2) - Exceeds Non-Residential Drinking Water Protection Criteria
(3) - Exceeds Non-Residential Direct Contact Criteria

LEGEND

= APPROXIMATE PROPERTY LINE
= APPROXIMATE PARCEL LINE
= STORM DRAIN
= FIRE HYDRANT
= MONITORING WELL
= SOIL BORING
= SOIL BORING/TEMPORARY MONITORING WELL

DRAWN BY: OGO/SES
DATE: 02/16/2023

0 200 400
SCALE: 1" = 400'

FIGURE 26

SITE MAP WITH 2016 SOIL RESULTS EXCEEDING EGLE RCC

CHEVY COMMONS
FLINT, MICHIGAN
PROJECT NUMBER: 17713s -5-26

AKTPEERLESS™
ENVIRONMENTAL SERVICES

N
W E
S

ATWOOD STADIUM
701 WEST 3RD STREET

STADIUM PARKING

FLINT RIVER

VACANT GRASSY LOT

TENACITY BREWING
119 NORTH GRAND TRAVERSE STREET
(BEA, SHWS, WASTE)

RAY COURT

RAY STREET

VACANT
GRASSY LOT

VACANT
GRASSY LOT
1100 BLUFF STREET

BLUFF STREET

BANKS STREET

FROST STREET

COTTAGE GROVE AVENUE

MORRIS COURT

MATTHEWSON STREET

CADILLAC STREET

PARCEL G

PARCEL D

GRASS

PARCEL H

ASPHALT

COMMERCIAL
VACANT BUILDING
630 WEST KEARSLEY STREET
(BEA, FED BROWNFIELDS,
UST, WASTE)

BANDS STREET

PARCEL I

CONCRETE
PARKING LOT

VACANT GRASSY LOT
712 WEST KEARSLEY STREET
(BEA, FED BROWNFIELDS)

PARCEL J

PARCEL E

B-6

MATTHEWSON STREET

KEARSLEY STREET

PARCEL B

CONSUMER'S ENERGY
SUBSTATION
320 SOUTH
STEVENSON STREET
(AUL, SHWS, PFAS
WASTE)

GENERAL MOTORS METAL FABRICATION
425 SOUTH STEVENSON STREET
(RCRA SQG, RCRA NON-GEN, WASTE, SPILLS)

SWARTZ CREEK

KETTERING UNIVERSITY
GM MOBILITY RESEARCH CENTER
304 NORTH CHEVROLET AVENUE
(RCRA VSQG, WASTE, FINDS/FRS)

VACANT
GRASSY LOT
417 ASYLUM STREET
(BEA)

B-3/TMW-3

COMMERCIAL
VACANT BUILDING
1222 GLENWOOD AVENUE

CHASE STREET

KETTERING UNIVERSITY/VACANT GRASSY LOT
1700 WEST 3RD STREET
(LUST, AUL, WASTE)

CHEVROLET AVENUE

B-18

CONSUMERS ENERGY SUBSTATION
300 NORTH CHEVROLET AVENUE

VACANT
GRASSY LOTS

ASYLUM STREET

B-2/TMW-2

B-17

PARCEL F

FLINT RIVER

PARCEL A

CONCRETE
PAD

VACANT
WOODED LOT

B-1/TMW-1

B-16

PARCEL C

GLENWOOD AVENUE

HAZELTON STREET

VACANT
GRASSY LOTS

WEST 2nd STREET

VACANT
GRASSY LOT
(BEA, UST, LUST)

THAYER STREET

KETTERING
UNIVERSITY SIGN
420 SOUTH
CHEVROLET AVENUE

RESIDENTIALS
2001-2002 BECKWITH COURT

CENTER STREET

GENESEE VALLEY TRAIL

RAY'S GARAGE
1940
WEST COURT STREET
(WASTE)

VACANT
GRASSY LOT

VACANT GRASSY LOT
1730 GLENWOOD AVENUE
(BEA)

VACANT GRASSY LOT
1701 GLENWOOD AVENUE
(RCRA VSQG, WASTE, BEA, UST, LUST)

TOX STREET

TMW-3 (8-13')	
09/07/16	
Mercury, Total	0.37 ug/L (2)

TMW-2 (11-16')	
09/07/16	
Lead	4.1 ug/L (1)
Mercury, Total	1.3 ug/L (2)

TMW-1 (10-15')	
09/07/16	
Mercury, Total	0.11 ug/L (2)

CRITERIA NOTE

(1) - Exceeds Non-Residential Drinking Water Criteria
(2) - Exceeds Groundwater Surface Water Interface Criteria

LEGEND

= APPROXIMATE PROPERTY LINE
= APPROXIMATE PARCEL LINE
= STORM DRAIN
= FIRE HYDRANT
= MONITORING WELL
= SOIL BORING
= SOIL BORING/TEMPORARY MONITORING WELL

DRAWN BY: OGO/SES
DATE: 02/15/2023

0 200 400
SCALE: 1" = 400'

FIGURE 27

SITE MAP WITH 2016 GROUNDWATER RESULTS EXCEEDING EGLE RCC

CHEVY COMMONS
FLINT, MICHIGAN
PROJECT NUMBER: 17713s -5-26

AKTPEERLESS™
ENVIRONMENTAL SERVICES

Tables

AKT PEERLESS™
ENVIRONMENTAL SERVICES

Table 1: Summary of Soil Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#10	#11	#12	#14	#15	#16	#17	#18	#19	#20		Parcel ID:	A	A	A	A	A	A	A	A	A	A	A
Parameters*	**Chemical Abstract Service Number**	**Statewide Default Background Levels**	**Residential Drinking Water Protection Criteria and RBSLs**	**Groundwater Surface Water Interface Protection Criteria and RBSLs**	**Residential Soil Volatilization to Indoor Air Inhalation Criteria and RBSLs**	**Residential Infinite Source Volatile Soil Inhalation Criteria (VSIC) and RBSLs**	**Residential Finite VSIC for 5 Meter Source Thickness**	**Residential Finite VSIC for 2 Meter Source Thickness**	**Residential Particulate Soil Inhalation Criteria and RBSLs**	**Residential Direct Contact Criteria and RBSLs**	**Residential Soil Saturation Concentration Screening Levels**	**Maximum Concentration Detected**	**Sample Location**	**A-1**	**A-2**	**SB-03**	**SB-03**	**SB-03**	**SB-04**	**SB-06**	**SB-06**	**SB-06**	**SB-07**	**SB-07**	**SB-07**
**(Refer to detailed laboratory report for method reference data)*													**Collection Date**	**03/15/2010**	**03/15/2010**	**10/19/2011**	**10/19/2011**	**10/19/2011**	**10/19/2011**	**10/18/2011**	**10/18/2011**	**10/18/2011**	**10/18/2011**	**10/18/2011**	**10/18/2011**
													Depth (ft)	**14-15'**	**8-9'**	**23'**	**27'**	**32'**	**15'**	**16'**	**17.5'**	**20'**	**15'**	**16.5'**	**20'**
Metals ug/Kg																									
Aluminum (B)	7429-90-5	6.90E+06	**1,000**	NA	NLV	NLV	NLV	NLV	ID	**5.0E+7 (DD)**	NA	**8.90E+07**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Antimony	7440-36-0	NA	**4,300**	94,000 (X)	NLV	NLV	NLV	NLV	1.3E+7	1.8E+5	NA	**18000**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	5,800	**4,600**	**4,600**	NLV	NLV	NLV	NLV	7.2E+5	**7,600**	NA	**3.90E+05**		**10,200**	**2,900**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium (B)	7440-43-9	1,200	**6,000**	(G,X)	NLV	NLV	NLV	NLV	1.7E+6	5.5E+5	NA	**7520**		**1,720**	<200	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium, Total	7440-47-3	18,000 (total)	**30,000**	**3,300**	NLV	NLV	NLV	NLV	**2.6E+5**	**2.5E+6**	NA	**2.51E+06**		**77,100**	**2,640**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	7440-48-4	6,800	**800**	**2,000**	NLV	NLV	NLV	NLV	1.3E+7	2.6E+6	NA	**35000**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper (B)	7440-50-8	32,000	**5.8E+6**	**(G)**	NLV	NLV	NLV	NLV	1.3E+8	2.0E+7	NA	**7.21E+06**		**153,000**	**5,900**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron (B)	7439-89-6	1.2E+7	**6,000**	NA	NLV	NLV	NLV	NLV	ID	**1.6E+8**	NA	**6.60E+08**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead (B)	7439-92-1	21,000	**7.0E+5**	(G,X)	NLV	NLV	NLV	NLV	1.0E+8	**4.0E+5**	NA	**2.73E+07**		**642,000**	**4,410**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Magnesium (B)	7439-95-4	NA	**8.0E+6**	NA	NLV	NLV	NLV	NLV	6.7E+9	1.0E+9 (D)	NA	**3.60E+07**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese (B)	7439-96-5	4.4E+5	**1,000**	(G,X)	NLV	NLV	NLV	NLV	3.3E+6	2.5E+7	NA	**3.00E+06**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury, Total	7439-97-6	130	**1,700**	**50 (M); 1.2**	48,000	52,000	52,000	52,000	2.0E+7	1.6E+5	NA	**2600**		**324**	<50	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel (B)	7440-02-0	20,000	**1.0E+5**	(G)	NLV	NLV	NLV	NLV	1.3E+7	4.0E+7	NA	**7.95+05**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium (B)	7782-49-2	410	**4,000**	**400**	NLV	NLV	NLV	NLV	1.3E+8	2.6E+6	NA	**4100**		<500	<500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver (B)	7440-22-4	1,000	4,500	**100 (M); 27**	NLV	NLV	NLV	NLV	6.7E+6	2.5E+6	NA	**1200**		**760**	<200	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NA	**72,000**	**1.9E+5**	NLV	NLV	NLV	NLV	ID	7.5E+5 (DD)	NA	**2.50E+05**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc (B)	7440-66-6	47,000	**2.4E+6**	(G)	NLV	NLV	NLV	NLV	ID	1.7E+8	NA	**3.10E+07**		**530,000**	**13,400**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Semivolatiles, BNAs ug/Kg																									
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**20600**		<400	<300	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
All Remaining BNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Semivolatiles, PNAs ug/Kg																									
Acenaphthene	83-32-9	NA	3.0E+5	**8,700**	1.9E+8	8.1E+7	8.1E+7	8.1E+7	1.4E+10	4.1E+7	NA	**1.30E+05**		**900**	<300	**1,000**	**130,000**	**4,900**	**7,700**	ND	ND	ND	**720**	ND	ND
Acenaphthylene	208-96-8	NA	**5,900**	ID	1.6E+6	2.2E+6	2.2E+6	2.2E+6	2.3E+9	1.6E+6	NA	**8000**		<400	<300	ND	**8,000**	**2,600**	**220**	ND	ND	ND	**340**	**360**	ND
Anthracene	120-12-7	NA	**41,000**	ID	1.0E+9 (D)	1.4E+9	1.4E+9	1.4E+9	6.7E+10	2.3E+8	NA	**71000**		**600**	<300	**3,400**	**71,000**	**9,300**	**5,500**	ND	**13,000**	**8,000**	ND	ND	ND
Benzo(a)anthracene (Q)	56-55-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**20,000**	NA	**47000**		**1,100**	<300	**11,000**	**47,000**	**12,000**	**4,800**	**300**	**540**	**290**	**660**	**700**	ND
Benzo(a)pyrene (Q)	50-32-8	NA	NLL	NLL	NLV	NLV	NLV	NLV	1.5E+6	**2,000**	NA	**41000**		**1,100**	<300	**9,000**	**41,000**	**11,000**	**2,700**	**280**	ND	ND	**510**	ND	ND
Benzo(b)fluoranthene (Q)	205-99-2	NA	NLL	NLL	ID	ID	ID	ID	ID	**20,000**	NA	**23000**		**800**	<300	**11,000**	**23,000**	**8,700**	**2,600**	**240**	ND	**200**	**500**	ND	ND
Dibenzo(a,h)anthracene (Q)	53-70-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**2,000**	NA	**2600**		<400	<300	ND	**1,000**	**2,600**	**330**	ND	ND	ND	ND	ND	ND
Fluoranthene	206-44-0	NA	7.3E+5	**5,500**	1.0E+9 (D)	7.4E+8	7.4E+8	7.4E+8	9.3E+9	4.6E+7	NA	**89000**		**1,500**	<300	**22,000**	**89,000**	**17,000**	**19,000**	**670**	**2,600**	**1,900**	**1,100**	**850**	**17**
Fluorene	86-73-7	NA	3.9E+5	**5,300**	5.8E+8	1.3E+8	1.3E+8	1.3E+8	9.3E+9	2.7E+7	NA	**64000**		**500**	<300	**2,800**	**64,000**	**2,900**	**7,300**	**1,600**	ND	**3,800**	**790**	**590**	ND
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.30E+05**		<400	<300	**820**	**130,000**	**610**	**2,500**	**1,500**	**4,000**	**2,200**	**43,000**	**120,000**	**93**
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**14000**		<400	<300	**620**	**11,000**	**920**	**4,700**	**140**	ND	ND	**2,900**	**930**	ND
Phenanthrene	85-01-8	NA	**56,000**	**2,100**	2.8E+6	**1.6E+5**	**1.6E+5**	**1.6E+5**	6.7E+6	1.6E+6	NA	**2.50E+05**		**1,700**	<300	**12,000**	**250,000**	**21,000**	**27,000**	**5,500**	**20,000**	**14,000**	**1,900**	**1,400**	**90**
All Remaining PNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Volatiles, VOCs ug/Kg																									
Benzene (I)	71-43-2	NA	**100**	4,000 (X)	1,600	13,000	34,000	79,000	3.8E+8	1.8E+5	4.0E+5	**340**		<70	<60	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon tetrachloride	56-23-5	NA	**100**	760 (X)	**190**	3,500	12,000	28,000	1.3E+8	96,000	3.9E+5	**540**		<70	<60	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	NA	**1,600 (W)**	7,000	7,200	45,000	1.2E+5	2.7E+5	1.3E+9	1.2E+6	1.5E+6	**2300**		<70	<60	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene (I)	100-41-4	NA	**1,500**	**360**	87,000	7.2E+5	1.0E+6	2.2E+6	1.0E+10	1.4E+5 (C)	1.4E+5	**7900**		<70	<60	ND	**1,300**	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	75-09-2	NA	**100**	30,000 (X)	45,000	2.1E+5	5.9E+5	1.4E+6	6.6E+9	1.3E+6	2.3E+6	**1600**		<100	<100	ND	**1,200**	ND	ND	ND	**500**	**350**	**1,600**	**970**	ND
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.10E+05**		<500	<400	**890**	**110,000**	**1,600**	**3,100**	**2,800**	**5,600**	**7,500**	**25,000**	**53,000**	**350**
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**31000**		<500	<400	**230**	**31,000**	**590**	**6,400**	**170**	ND	**300**	ND	ND	**140**
Tetrachloroethylene	127-18-4	NA	**100**	1,200 (X)	11,000	1.8E+5	4.8E+5	1.1E+6	5.4E+9	88,000 (C)	88,000	**170**		<70	<60	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene (I)	108-88-3	NA	16,000	**5,400**	2.5E+5 (C)	2.8E+6	5.1E+6	1.2E+7	2.7E+10	2.5E+5 (C)	2.5E+5	**7000**		<100	<100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethylene	79-01-6	NA	**100**	4,000 (X)	7,100	78,000	1.7E+5	3.9E+5	1.8E+9	5.0E+5 (C,DD)	5.0E+5	**480**		<70	<60	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,3-Trimethylbenzene*	526-73-8	NA	1,800	**570**	94,000 (C)	1.6E+7	3.8E+8	3.8E+8	8.2E+10	94,000 (C)	94,000	**1000**		<100	<100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene (I)	95-63-6	NA	**2,100**	**570**	1.1E+5 (C)	2.1E+7	5.0E+8	5.0E+8	8.2E+10	1.1E+5 (C)	1.1E+5	**3000**		<100	<100	ND	**1,900**	ND	**61**	ND	ND	ND	ND	ND	ND
Xylenes (I)	1330-20-7	NA	**5,600**	**980**	1.5E+5 (C)	4.6E+7	6.1E+7	1.3E+8	2.9E+11	1.5E+5 (C)	1.5E+5	**14390**		<170	<160	ND	**1,000**	ND	ND	ND	ND	ND	ND	ND	ND
All Remaining VOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

AKT PEERLESS™
ENVIRONMENTAL SERVICES

Table 1: Summary of Soil Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#10	#11	#12	#14	#15	#16	#17	#18	#19	#20		Parcel ID:	A	A	A	A	A	A	A	A	A	A
Parameters*	**Chemical Abstract Service Number**	**Statewide Default Background Levels**	**Residential Drinking Water Protection Criteria and RBSLs**	**Groundwater Surface Water Interface Protection Criteria and RBSLs**	**Residential Soil Volatilization to Indoor Air Inhalation Criteria and RBSLs**	**Residential Infinite Source Volatile Soil Inhalation Criteria (VSIC) and RBSLs**	**Residential Finite VSIC for 5 Meter Source Thickness**	**Residential Finite VSIC for 2 Meter Source Thickness**	**Residential Particulate Soil Inhalation Criteria and RBSLs**	**Residential Direct Contact Criteria and RBSLs**	**Residential Soil Saturation Concentration Screening Levels**	**Maximum Concentration Detected**	**Sample Location**	**SB-08**	**CITH-SB-12**	**CITH-SB-13**	**CITH-SB-14**	**CITH-SB-16**	**CITH-SB-17**	**CITH-SB-18**	**CITH-SB-19**	**CITH-SB-20**	**CITH-SB-21**	**CITH-SB-22**
													Collection Date	**10/18/2011**	**4/5/2011**	**4/5/2011**	**4/5/2011**	**4/6/2011**	**4/6/2011**	**4/5/2011**	**4/5/2011**	**4/6/2011**	**4/6/2011**	**4/8/2011**
**(Refer to detailed laboratory report for method reference data)*													**Depth (ft)**	**20'**	**15-17'**	**18-20'**	**35-37'**	**13-15'**	**17-19'**	**11-13'**	**36-38'**	**19-21'**	**19-21'**	**12-14'**
Metals ug/Kg																								
Aluminum (B)	7429-90-5	6.90E+06	**1,000**	NA	NLV	NLV	NLV	NLV	ID	**5.0E+7 (DD)**	NA	**8.90E+07**		NS	**89,000,000**	**3,300,000**	**4,400,000**	**2,300,000**	**4,600,000**	**5,100,000**	**4,300,000**	**5,600,000**	**4,900,000**	**7,800,000**
Antimony	7440-36-0	NA	**4,300**	94,000 (X)	NLV	NLV	NLV	NLV	1.3E+7	1.8E+5	NA	**18000**		NS	ND	**1,900**	ND	ND	ND	ND	ND	ND	**2,100**	**480**
Arsenic	7440-38-2	5,800	**4,600**	**4,600**	NLV	NLV	NLV	NLV	7.2E+5	**7,600**	NA	**3.90E+05**		NS	**7,800**	**17,000**	**7,100**	**3,600**	**5,700**	**8,000**	**7,000**	**5,300**	**20,000**	**3,800**
Cadmium (B)	7440-43-9	1,200	**6,000**	(G,X)	NLV	NLV	NLV	NLV	1.7E+6	5.5E+5	NA	**7520**		NS	**120**	**560**	**100**	**50**	**77**	**140**	**89**	**260**	**110**	**170**
Chromium, Total	7440-47-3	18,000 (total)	**30,000**	**3,300**	NLV	NLV	NLV	NLV	**2.6E+5**	**2.5E+6**	NA	**2.51E+06**		NS	**20,000**	**19,000**	**11,000**	**7,900**	**8,700**	**11,000**	**10,000**	**16,000**	**310,000**	**35,000**
Cobalt	7440-48-4	6,800	**800**	**2,000**	NLV	NLV	NLV	NLV	1.3E+7	2.6E+6	NA	**35000**		NS	**7,600**	**560**	**5,700**	**2,200**	**3,200**	**11,000**	ND	**4,100**	ND	**2,700**
Copper (B)	7440-50-8	32,000	**5.8E+6**	**(G)**	NLV	NLV	NLV	NLV	1.3E+8	2.0E+7	NA	**7.21E+06**		NS	**28,000**	**68,000**	**8,400**	**4,800**	**6,400**	**4,900**	**5,600**	**11,000**	**85,000**	**16,000**
Iron (B)	7439-89-6	1.2E+7	**6,000**	NA	NLV	NLV	NLV	NLV	ID	**1.6E+8**	NA	**6.60E+08**		NS	**22,000,000**	**34,000,000**	**15,000,000**	**6,300,000**	**11,000,000**	**18,000,000**	**12,000,000**	**13,000,000**	**140,000,000**	**12,000,000**
Lead (B)	7439-92-1	21,000	**7.0E+5**	(G,X)	NLV	NLV	NLV	NLV	1.0E+8	**4.0E+5**	NA	**2.73E+07**		NS	**10,000**	**400,000**	**4,900**	**2,600**	**4,600**	**9,400**	**4,900**	**11,000**	**7,500**	**7,000**
Magnesium (B)	7439-95-4	NA	**8.0E+6**	NA	NLV	NLV	NLV	NLV	6.7E+9	1.0E+9 (D)	NA	**3.60E+07**		NS	**32,000,000**	**4,300,000**	**14,000,000**	**17,000,000**	**5,200,000**	**14,000,000**	**9,400,000**	**22,000,000**	**25,000,000**	**14,000,000**
Manganese (B)	7439-96-5	4.4E+5	**1,000**	(G,X)	NLV	NLV	NLV	NLV	3.3E+6	2.5E+7	NA	**3.00E+06**		NS	**450,000**	**230,000**	**310,000**	**160,000**	**130,000**	**590,000**	**270,000**	**270,000**	**1,000,000**	**330,000**
Mercury, Total	7439-97-6	130	**1,700**	**50 (M); 1.2**	48,000	52,000	52,000	52,000	2.0E+7	1.6E+5	NA	**2600**		NS	ND	**250**	ND	ND	ND	ND	ND	ND	ND	**ND**
Nickel (B)	7440-02-0	20,000	**1.0E+5**	(G)	NLV	NLV	NLV	NLV	1.3E+7	4.0E+7	NA	**7.95+05**		NS	**20,000**	**21,000**	**13,000**	**5,400**	**6,900**	**12,000**	**13,000**	**12,000**	**310,000**	**9,100**
Selenium (B)	7782-49-2	410	**4,000**	**400**	NLV	NLV	NLV	NLV	1.3E+8	2.6E+6	NA	**4100**		NS	**410**	**410**	**280**	ND	**460**	**240**	ND	ND	**270**	ND
Silver (B)	7440-22-4	1,000	4,500	**100 (M); 27**	NLV	NLV	NLV	NLV	6.7E+6	2.5E+6	NA	**1200**		NS	ND	**500**	ND	ND	ND	ND	ND	**100**	ND	ND
Vanadium	7440-62-2	NA	**72,000**	**1.9E+5**	NLV	NLV	NLV	NLV	ID	7.5E+5 (DD)	NA	**2.50E+05**		NS	**28,000**	**15,000**	**13,000**	**8,900**	**14,000**	**18,000**	**11,000**	**17,000**	**45,000**	**15,000**
Zinc (B)	7440-66-6	47,000	**2.4E+6**	(G)	NLV	NLV	NLV	NLV	ID	1.7E+8	NA	**3.10E+07**		NS	**45,000**	**280,000**	**49,000**	**12,000**	**26,000**	**34,000**	**39,000**	**31,000**	**29,000**	**16,000**
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semivolatiles, BNAs ug/Kg																								
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**20600**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
All Remaining BNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Semivolatiles, PNAs ug/Kg																								
Acenaphthene	83-32-9	NA	3.0E+5	**8,700**	1.9E+8	8.1E+7	8.1E+7	8.1E+7	1.4E+10	4.1E+7	NA	**1.30E+05**		ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene	208-96-8	NA	**5,900**	ID	1.6E+6	2.2E+6	2.2E+6	2.2E+6	2.3E+9	1.6E+6	NA	**8000**		ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	120-12-7	NA	**41,000**	ID	1.0E+9 (D)	1.4E+9	1.4E+9	1.4E+9	6.7E+10	2.3E+8	NA	**71000**		ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene (Q)	56-55-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**20,000**	NA	**47000**		ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene (Q)	50-32-8	NA	NLL	NLL	NLV	NLV	NLV	NLV	1.5E+6	**2,000**	NA	**41000**		ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene (Q)	205-99-2	NA	NLL	NLL	ID	ID	ID	ID	ID	**20,000**	NA	**23000**		ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene (Q)	53-70-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**2,000**	NA	**2600**		ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	206-44-0	NA	7.3E+5	**5,500**	1.0E+9 (D)	7.4E+8	7.4E+8	7.4E+8	9.3E+9	4.6E+7	NA	**89000**		**36**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	86-73-7	NA	3.9E+5	**5,300**	5.8E+8	1.3E+8	1.3E+8	1.3E+8	9.3E+9	2.7E+7	NA	**64000**		ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.30E+05**		ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**14000**		ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	85-01-8	NA	**56,000**	**2,100**	2.8E+6	**1.6E+5**	**1.6E+5**	**1.6E+5**	6.7E+6	1.6E+6	NA	**2.50E+05**		ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
All Remaining PNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Volatiles, VOCs ug/Kg																								
Benzene (I)	71-43-2	NA	**100**	4,000 (X)	1,600	13,000	34,000	79,000	3.8E+8	1.8E+5	4.0E+5	**340**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon tetrachloride	56-23-5	NA	**100**	760 (X)	**190**	3,500	12,000	28,000	1.3E+8	96,000	3.9E+5	**540**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	NA	**1,600 (W)**	7,000	7,200	45,000	1.2E+5	2.7E+5	1.3E+9	1.2E+6	1.5E+6	**2300**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene (I)	100-41-4	NA	**1,500**	**360**	87,000	7.2E+5	1.0E+6	2.2E+6	1.0E+10	1.4E+5 (C)	1.4E+5	**7900**		ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	NA	**100**	30,000 (X)	45,000	2.1E+5	5.9E+5	1.4E+6	6.6E+9	1.3E+6	2.3E+6	**1600**		**170**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.10E+05**		ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**31000**		ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethylene	127-18-4	NA	**100**	1,200 (X)	11,000	1.8E+5	4.8E+5	1.1E+6	5.4E+9	88,000 (C)	88,000	**170**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene (I)	108-88-3	NA	16,000	**5,400**	2.5E+5 (C)	2.8E+6	5.1E+6	1.2E+7	2.7E+10	2.5E+5 (C)	2.5E+5	**7000**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethylene	79-01-6	NA	**100**	4,000 (X)	7,100	78,000	1.7E+5	3.9E+5	1.8E+9	5.0E+5 (C,DD)	5.0E+5	**480**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,3-Trimethylbenzene*	526-73-8	NA	1,800	**570**	94,000 (C)	1.6E+7	3.8E+8	3.8E+8	8.2E+10	94,000 (C)	94,000	**1000**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene (I)	95-63-6	NA	**2,100**	**570**	1.1E+5 (C)	2.1E+7	5.0E+8	5.0E+8	8.2E+10	1.1E+5 (C)	1.1E+5	**3000**		ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (I)	1330-20-7	NA	**5,600**	**980**	1.5E+5 (C)	4.6E+7	6.1E+7	1.3E+8	2.9E+11	1.5E+5 (C)	1.5E+5	**14390**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
All Remaining VOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

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ENVIRONMENTAL SERVICES

Table 1: Summary of Soil Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#10	#11	#12	#14	#15	#16	#17	#18	#19	#20		Parcel ID:	A	A	A	A	A	A	A	A	A
Parameters*	**Chemical Abstract Service Number**	**Statewide Default Background Levels**	**Residential Drinking Water Protection Criteria and RBSLs**	**Groundwater Surface Water Interface Protection Criteria and RBSLs**	**Residential Soil Volatilization to Indoor Air Inhalation Criteria and RBSLs**	**Residential Infinite Source Volatile Soil Inhalation Criteria (VSIC) and RBSLs**	**Residential Finite VSIC for 5 Meter Source Thickness**	**Residential Finite VSIC for 2 Meter Source Thickness**	**Residential Particulate Soil Inhalation Criteria and RBSLs**	**Residential Direct Contact Criteria and RBSLs**	**Residential Soil Saturation Concentration Screening Levels**	**Maximum Concentration Detected**	**Sample Location**	**CITH-SB-23**	**CITH-SB-24**	**CITH-SB-25**	**CITH-SB-26**	**CITH-SB-27**	**CITH-SB-28**	**CITH-SB-29**	**CITH-SB-30**	**CITH-SB-31**	**CITH-SB-32**
													Collection Date	**4/6/2011**	**4/7/2011**	**4/6/2011**	**4/8/2011**	**4/7/2011**	**4/7/2011**	**4/7/2011**	**4/7/2011**	**4/7/2011**	**4/8/2011**
**(Refer to detailed laboratory report for method reference data)*													**Depth (ft)**	**20-22'**	**22-24'**	**20-22'**	**12-14'**	**11-13'**	**10-12'**	**18-20'**	**11-13'**	**8-10'**	**15-17'**
Metals ug/Kg																							
Aluminum (B)	7429-90-5	6.90E+06	**1,000**	NA	NLV	NLV	NLV	NLV	ID	**5.0E+7 (DD)**	NA	**8.90E+07**		**3,900,000**	**4,700,000**	**3,500,000**	**3,400,000**	**4,600,000**	**4,600,000**	**5,000,000**	**8,200,000**	**4,400,000**	**3,100,000**
Antimony	7440-36-0	NA	**4,300**	94,000 (X)	NLV	NLV	NLV	NLV	1.3E+7	1.8E+5	NA	**18000**		ND	ND	**2,400**	ND	ND	ND	**420**	ND	ND	ND
Arsenic	7440-38-2	5,800	**4,600**	**4,600**	NLV	NLV	NLV	NLV	7.2E+5	**7,600**	NA	**3.90E+05**		**4,000**	**83,000**	**6,400**	**3,600**	**6,200**	**4,500**	**12,000**	**5,000**	**5,300**	**2,600**
Cadmium (B)	7440-43-9	1,200	**6,000**	(G,X)	NLV	NLV	NLV	NLV	1.7E+6	5.5E+5	NA	**7520**		**61**	**100**	**2,000**	**61**	**120**	**120**	**220**	**76**	**79**	**58**
Chromium, Total	7440-47-3	18,000 (total)	**30,000**	**3,300**	NLV	NLV	NLV	NLV	**2.6E+5**	**2.5E+6**	NA	**2.51E+06**		**8,000**	**11,000**	**74,000**	**8,100**	**10,000**	**53,000**	**10,000**	**16,000**	**9,700**	**6,000**
Cobalt	7440-48-4	6,800	**800**	**2,000**	NLV	NLV	NLV	NLV	1.3E+7	2.6E+6	NA	**35000**		**3,500**	**4,600**	**5,000**	**3,100**	**4,600**	**3,800**	**4,700**	**6,800**	**3,900**	**3,000**
Copper (B)	7440-50-8	32,000	**5.8E+6**	**(G)**	NLV	NLV	NLV	NLV	1.3E+8	2.0E+7	NA	**7.21E+06**		**6,900**	**8,300**	**97,000**	**6,900**	**10,000**	**15,000**	**18,000**	**12,000**	**9,000**	**3,300**
Iron (B)	7439-89-6	1.2E+7	**6,000**	NA	NLV	NLV	NLV	NLV	ID	**1.6E+8**	NA	**6.60E+08**		**12,000,000**	**14,000,000**	**24,000,000**	**8,900,000**	**13,000,000**	**14,000,000**	**13,000,000**	**17,000,000**	**13,000,000**	**7,100,000**
Lead (B)	7439-92-1	21,000	**7.0E+5**	(G,X)	NLV	NLV	NLV	NLV	1.0E+8	**4.0E+5**	NA	**2.73E+07**		**4,000**	**5,800**	**210,000**	**3,600**	**6,200**	**6,300**	**65,000**	**6,000**	**4,300**	**2,900**
Magnesium (B)	7439-95-4	NA	**8.0E+6**	NA	NLV	NLV	NLV	NLV	6.7E+9	1.0E+9 (D)	NA	**3.60E+07**		**36,000,000**	**23,000,000**	**20,000,000**	**23,000,000**	**22,000,000**	**20,000,000**	**13,000,000**	**28,000,000**	**32,000,000**	**1,100,000**
Manganese (B)	7439-96-5	4.4E+5	**1,000**	(G,X)	NLV	NLV	NLV	NLV	3.3E+6	2.5E+7	NA	**3.00E+06**		**410,000**	**330,000**	**560,000**	**220,000**	**250,000**	**270,000**	**250,000**	**320,000**	**260,000**	**82,000**
Mercury, Total	7439-97-6	130	**1,700**	**50 (M); 1.2**	48,000	52,000	52,000	52,000	2.0E+7	1.6E+5	NA	**2600**		**ND**	**ND**	**430**	**ND**	ND	ND	**100**	ND	ND	ND
Nickel (B)	7440-02-0	20,000	**1.0E+5**	(G)	NLV	NLV	NLV	NLV	1.3E+7	4.0E+7	NA	**7.95+05**		**8,600**	**10,000**	**21,000**	**7,500**	**12,000**	**12,000**	**11,000**	**16,000**	**9,300**	**6,200**
Selenium (B)	7782-49-2	410	**4,000**	**400**	NLV	NLV	NLV	NLV	1.3E+8	2.6E+6	NA	**4100**		**310**	**300**	**260**	ND	**210**	ND	**370**	**300**	**820**	**220**
Silver (B)	7440-22-4	1,000	4,500	**100 (M); 27**	NLV	NLV	NLV	NLV	6.7E+6	2.5E+6	NA	**1200**		ND	ND	**130**	ND	ND	ND	**160**	ND	ND	ND
Vanadium	7440-62-2	NA	**72,000**	**1.9E+5**	NLV	NLV	NLV	NLV	ID	7.5E+5 (DD)	NA	**2.50E+05**		**13,000**	**16,000**	**13,000**	**11,000**	**14,000**	**16,000**	**15,000**	**23,000**	**14,000**	**9,000**
Zinc (B)	7440-66-6	47,000	**2.4E+6**	(G)	NLV	NLV	NLV	NLV	ID	1.7E+8	NA	**3.10E+07**		**18,000**	**32,000**	**270,000**	**17,000**	**29,000**	**24,000**	**75,000**	**30,000**	**25,000**	**17,000**
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semivolatiles, BNAs ug/Kg																							
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**20600**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
All Remaining BNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Semivolatiles, PNAs ug/Kg																							
Acenaphthene	83-32-9	NA	3.0E+5	**8,700**	1.9E+8	8.1E+7	8.1E+7	8.1E+7	1.4E+10	4.1E+7	NA	**1.30E+05**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene	208-96-8	NA	**5,900**	ID	1.6E+6	2.2E+6	2.2E+6	2.2E+6	2.3E+9	1.6E+6	NA	**8000**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	120-12-7	NA	**41,000**	ID	1.0E+9 (D)	1.4E+9	1.4E+9	1.4E+9	6.7E+10	2.3E+8	NA	**71000**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene (Q)	56-55-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**20,000**	NA	**47000**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene (Q)	50-32-8	NA	NLL	NLL	NLV	NLV	NLV	NLV	1.5E+6	**2,000**	NA	**41000**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene (Q)	205-99-2	NA	NLL	NLL	ID	ID	ID	ID	ID	**20,000**	NA	**23000**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene (Q)	53-70-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**2,000**	NA	**2600**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	206-44-0	NA	7.3E+5	**5,500**	1.0E+9 (D)	7.4E+8	7.4E+8	7.4E+8	9.3E+9	4.6E+7	NA	**89000**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	86-73-7	NA	3.9E+5	**5,300**	5.8E+8	1.3E+8	1.3E+8	1.3E+8	9.3E+9	2.7E+7	NA	**64000**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.30E+05**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**14000**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	85-01-8	NA	**56,000**	**2,100**	2.8E+6	**1.6E+5**	**1.6E+5**	**1.6E+5**	6.7E+6	1.6E+6	NA	**2.50E+05**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
All Remaining PNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Volatiles, VOCs ug/Kg																							
Benzene (I)	71-43-2	NA	**100**	4,000 (X)	1,600	13,000	34,000	79,000	3.8E+8	1.8E+5	4.0E+5	**340**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon tetrachloride	56-23-5	NA	**100**	760 (X)	**190**	3,500	12,000	28,000	1.3E+8	96,000	3.9E+5	**540**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	NA	**1,600 (W)**	7,000	7,200	45,000	1.2E+5	2.7E+5	1.3E+9	1.2E+6	1.5E+6	**2300**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene (I)	100-41-4	NA	**1,500**	**360**	87,000	7.2E+5	1.0E+6	2.2E+6	1.0E+10	1.4E+5 (C)	1.4E+5	**7900**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	NA	**100**	30,000 (X)	45,000	2.1E+5	5.9E+5	1.4E+6	6.6E+9	1.3E+6	2.3E+6	**1600**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.10E+05**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**31000**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethylene	127-18-4	NA	**100**	1,200 (X)	11,000	1.8E+5	4.8E+5	1.1E+6	5.4E+9	88,000 (C)	88,000	**170**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene (I)	108-88-3	NA	16,000	**5,400**	2.5E+5 (C)	2.8E+6	5.1E+6	1.2E+7	2.7E+10	2.5E+5 (C)	2.5E+5	**7000**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethylene	79-01-6	NA	**100**	4,000 (X)	7,100	78,000	1.7E+5	3.9E+5	1.8E+9	5.0E+5 (C,DD)	5.0E+5	**480**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,3-Trimethylbenzene*	526-73-8	NA	1,800	**570**	94,000 (C)	1.6E+7	3.8E+8	3.8E+8	8.2E+10	94,000 (C)	94,000	**1000**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene (I)	95-63-6	NA	**2,100**	**570**	1.1E+5 (C)	2.1E+7	5.0E+8	5.0E+8	8.2E+10	1.1E+5 (C)	1.1E+5	**3000**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (I)	1330-20-7	NA	**5,600**	**980**	1.5E+5 (C)	4.6E+7	6.1E+7	1.3E+8	2.9E+11	1.5E+5 (C)	1.5E+5	**14390**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
All Remaining VOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

AKT PEERLESS™
ENVIRONMENTAL SERVICES

Table 1: Summary of Soil Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#10	#11	#12	#14	#15	#16	#17	#18	#19	#20		Parcel ID:	A	A	A	A	B	B	B	B	B	B	B
Parameters*	**Chemical Abstract Service Number**	**Statewide Default Background Levels**	**Residential Drinking Water Protection Criteria and RBSLs**	**Groundwater Surface Water Interface Protection Criteria and RBSLs**	**Residential Soil Volatilization to Indoor Air Inhalation Criteria and RBSLs**	**Residential Infinite Source Volatile Soil Inhalation Criteria (VSIC) and RBSLs**	**Residential Finite VSIC for 5 Meter Source Thickness**	**Residential Finite VSIC for 2 Meter Source Thickness**	**Residential Particulate Soil Inhalation Criteria and RBSLs**	**Residential Direct Contact Criteria and RBSLs**	**Residential Soil Saturation Concentration Screening Levels**	**Maximum Concentration Detected**	**Sample Location**	**CITH-SB-33**	**CITH-SB-33**	**CITH-SB-33**	**CITH-SB-33**	**B-1**	**B-2**	**B-3**	**B-4S**	**B-4D**	**A-1 to A-4**	**A-5 to A-9**
													Collection Date	**4/8/2011**	**4/8/2011**	**4/8/2011**	**4/8/2011**	**03/17/2010**	**03/17/2010**	**03/17/2010**	**03/17/2010**	**03/17/2010**	**3/7/2012**	**3/7/2012**
**(Refer to detailed laboratory report for method reference data)*													**Depth (ft)**	**18-20'**	**23-25'**	**26-28'**	**32-34'**	**4-6'**	**9-11'**	**10-12'**	**4-6'**	**8-10'**	**0-5' Composite**	**0-5' Composite**
Metals ug/Kg																								
Aluminum (B)	7429-90-5	6.90E+06	**1,000**	NA	NLV	NLV	NLV	NLV	ID	**5.0E+7 (DD)**	NA	**8.90E+07**		**3,800,000**	**3,800,000**	**3,600,000**	**5,000,000**	NS	NS	NS	NS	NS	NS	NS
Antimony	7440-36-0	NA	**4,300**	94,000 (X)	NLV	NLV	NLV	NLV	1.3E+7	1.8E+5	NA	**18000**		ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	5,800	**4,600**	**4,600**	NLV	NLV	NLV	NLV	7.2E+5	**7,600**	NA	**3.90E+05**		**3,500**	**4,300**	**4,900**	**4,500**	**13,100**	**450**	**2,330**	**113,000**	**5,670**	**6,300**	**5,900**
Cadmium (B)	7440-43-9	1,200	**6,000**	(G,X)	NLV	NLV	NLV	NLV	1.7E+6	5.5E+5	NA	**7520**		**59**	**54**	**58**	**73**	**730**	<200	**420**	**1,570**	**240**	**540**	**190**
Chromium, Total	7440-47-3	18,000 (total)	**30,000**	**3,300**	NLV	NLV	NLV	NLV	**2.6E+5**	**2.5E+6**	NA	**2.51E+06**		**9,100**	**9,600**	**7,600**	**14,000**	**50,000**	**1,840**	**5,330**	**40,400**	**2,810**	**17,000**	**7,300**
Cobalt	7440-48-4	6,800	**800**	**2,000**	NLV	NLV	NLV	NLV	1.3E+7	2.6E+6	NA	**35000**		**3,500**	**3,400**	**3,800**	**4,300**	NS	NS	NS	NS	NS	NS	NS
Copper (B)	7440-50-8	32,000	**5.8E+6**	**(G)**	NLV	NLV	NLV	NLV	1.3E+8	2.0E+7	NA	**7.21E+06**		**6,900**	**7,000**	**6,900**	**8,900**	**303,000**	**4,140**	**35,600**	**1,040,000**	**14,000**	**20,000**	**13,000**
Iron (B)	7439-89-6	1.2E+7	**6,000**	NA	NLV	NLV	NLV	NLV	ID	**1.6E+8**	NA	**6.60E+08**		**9,200,000**	**9,300,000**	**9,700,000**	**12,000,000**	NS	NS	NS	NS	NS	NS	NS
Lead (B)	7439-92-1	21,000	**7.0E+5**	(G,X)	NLV	NLV	NLV	NLV	1.0E+8	**4.0E+5**	NA	**2.73E+07**		**3,400**	**4,200**	**4,900**	**4,100**	**325,000**	**3,230**	**89,700**	**22,300,000**	**80,000**	**180,000**	**32,000**
Magnesium (B)	7439-95-4	NA	**8.0E+6**	NA	NLV	NLV	NLV	NLV	6.7E+9	1.0E+9 (D)	NA	**3.60E+07**		**22,000,000**	**23,000,000**	**27,000,000**	**24,000,000**	NS	NS	NS	NS	NS	NS	NS
Manganese (B)	7439-96-5	4.4E+5	**1,000**	(G,X)	NLV	NLV	NLV	NLV	3.3E+6	2.5E+7	NA	**3.00E+06**		**220,000**	**210,000**	**260,000**	**250,000**	NS	NS	NS	NS	NS	NS	NS
Mercury, Total	7439-97-6	130	**1,700**	**50 (M); 1.2**	48,000	52,000	52,000	52,000	2.0E+7	1.6E+5	NA	**2600**		ND	ND	ND	ND	**679**	<50	**131**	**182**	<50	**170**	**84**
Nickel (B)	7440-02-0	20,000	**1.0E+5**	(G)	NLV	NLV	NLV	NLV	1.3E+7	4.0E+7	NA	**7.95+05**		**8,500**	**8,600**	**11,000**	**11,000**	NS	NS	NS	NS	NS	NS	NS
Selenium (B)	7782-49-2	410	**4,000**	**400**	NLV	NLV	NLV	NLV	1.3E+8	2.6E+6	NA	**4100**		**220**	**200**	**200**	**230**	<500	<500	<500	<500	<500	**330**	**340**
Silver (B)	7440-22-4	1,000	4,500	**100 (M); 27**	NLV	NLV	NLV	NLV	6.7E+6	2.5E+6	NA	**1200**		ND	ND	ND	ND	<200	<200	<200	**260**	<200	BDL	BDL
Vanadium	7440-62-2	NA	**72,000**	**1.9E+5**	NLV	NLV	NLV	NLV	ID	7.5E+5 (DD)	NA	**2.50E+05**		**13,000**	**13,000**	**12,000**	**15,000**	NS	NS	NS	NS	NS	NS	NS
Zinc (B)	7440-66-6	47,000	**2.4E+6**	(G)	NLV	NLV	NLV	NLV	ID	1.7E+8	NA	**3.10E+07**		**19,000**	**18,000**	**17,000**	**21,000**	**179,000**	**13,800**	**64,000**	**1,430,000**	**641,000**	**290,000**	**74,000**
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semivolatiles, BNAs ug/Kg																								
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**20600**		NS	NS	NS	NS	<300	<300	<300	<300	<300	NS	NS
All Remaining BNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Semivolatiles, PNAs ug/Kg																								
Acenaphthene	83-32-9	NA	3.0E+5	**8,700**	1.9E+8	8.1E+7	8.1E+7	8.1E+7	1.4E+10	4.1E+7	NA	**1.30E+05**		NS	NS	NS	NS	**400**	<300	<300	<300	<300	NS	NS
Acenaphthylene	208-96-8	NA	**5,900**	ID	1.6E+6	2.2E+6	2.2E+6	2.2E+6	2.3E+9	1.6E+6	NA	**8000**		NS	NS	NS	NS	<300	<300	<300	<300	<300	NS	NS
Anthracene	120-12-7	NA	**41,000**	ID	1.0E+9 (D)	1.4E+9	1.4E+9	1.4E+9	6.7E+10	2.3E+8	NA	**71000**		NS	NS	NS	NS	**900**	<300	**300**	<300	<300	NS	NS
Benzo(a)anthracene (Q)	56-55-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**20,000**	NA	**47000**		NS	NS	NS	NS	**2,700**	<300	**500**	**700**	<300	NS	NS
Benzo(a)pyrene (Q)	50-32-8	NA	NLL	NLL	NLV	NLV	NLV	NLV	1.5E+6	**2,000**	NA	**41000**		NS	NS	NS	NS	**3,300**	<300	**500**	**700**	<300	NS	NS
Benzo(b)fluoranthene (Q)	205-99-2	NA	NLL	NLL	ID	ID	ID	ID	ID	**20,000**	NA	**23000**		NS	NS	NS	NS	**3,200**	<300	**400**	**800**	<300	NS	NS
Dibenzo(a,h)anthracene (Q)	53-70-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**2,000**	NA	**2600**		NS	NS	NS	NS	<300	<300	<300	<300	<300	NS	NS
Fluoranthene	206-44-0	NA	7.3E+5	**5,500**	1.0E+9 (D)	7.4E+8	7.4E+8	7.4E+8	9.3E+9	4.6E+7	NA	**89000**		NS	NS	NS	NS	**4,700**	<300	**1,100**	**1,300**	<300	NS	NS
Fluorene	86-73-7	NA	3.9E+5	**5,300**	5.8E+8	1.3E+8	1.3E+8	1.3E+8	9.3E+9	2.7E+7	NA	**64000**		NS	NS	NS	NS	**300**	<300	<300	<300	<300	NS	NS
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.30E+05**		NS	NS	NS	NS	<300	<300	<300	<300	<300	NS	NS
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**14000**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	85-01-8	NA	**56,000**	**2,100**	2.8E+6	**1.6E+5**	**1.6E+5**	**1.6E+5**	6.7E+6	1.6E+6	NA	**2.50E+05**		NS	NS	NS	NS	**3,000**	<300	**800**	**700**	<300	NS	NS
All Remaining PNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	NS	NS	NS	BDL	BDL	BDL	BDL	BDL	NS	NS
Volatiles, VOCs ug/Kg																								
Benzene (I)	71-43-2	NA	**100**	4,000 (X)	1,600	13,000	34,000	79,000	3.8E+8	1.8E+5	4.0E+5	**340**		NS	NS	NS	NS	<70	<70	<60	<70	<80	NS	NS
Carbon tetrachloride	56-23-5	NA	**100**	760 (X)	**190**	3,500	12,000	28,000	1.3E+8	96,000	3.9E+5	**540**		NS	NS	NS	NS	<70	<70	<60	<70	<80	NS	NS
Chloroform	67-66-3	NA	**1,600 (W)**	7,000	7,200	45,000	1.2E+5	2.7E+5	1.3E+9	1.2E+6	1.5E+6	**2300**		NS	NS	NS	NS	<70	<70	<60	<70	<80	NS	NS
Ethylbenzene (I)	100-41-4	NA	**1,500**	**360**	87,000	7.2E+5	1.0E+6	2.2E+6	1.0E+10	1.4E+5 (C)	1.4E+5	**7900**		NS	NS	NS	NS	<70	<70	<60	<70	<80	NS	NS
Methylene chloride	75-09-2	NA	**100**	30,000 (X)	45,000	2.1E+5	5.9E+5	1.4E+6	6.6E+9	1.3E+6	2.3E+6	**1600**		NS	NS	NS	NS	<100	<100	<100	<100	<200	NS	NS
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.10E+05**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**31000**		NS	NS	NS	NS	<400	<500	<400	<400	<500	NS	NS
Tetrachloroethylene	127-18-4	NA	**100**	1,200 (X)	11,000	1.8E+5	4.8E+5	1.1E+6	5.4E+9	88,000 (C)	88,000	**170**		NS	NS	NS	NS	<70	<70	<60	<70	<80	NS	NS
Toluene (I)	108-88-3	NA	16,000	**5,400**	2.5E+5 (C)	2.8E+6	5.1E+6	1.2E+7	2.7E+10	2.5E+5 (C)	2.5E+5	**7000**		NS	NS	NS	NS	<100	<100	<100	<100	<200	NS	NS
Trichloroethylene	79-01-6	NA	**100**	4,000 (X)	7,100	78,000	1.7E+5	3.9E+5	1.8E+9	5.0E+5 (C,DD)	5.0E+5	**480**		NS	NS	NS	NS	<70	<70	<60	<70	<80	NS	NS
1,2,3-Trimethylbenzene*	526-73-8	NA	1,800	**570**	94,000 (C)	1.6E+7	3.8E+8	3.8E+8	8.2E+10	94,000 (C)	94,000	**1000**		NS	NS	NS	NS	<100	<100	<100	<100	<200	NS	NS
1,2,4-Trimethylbenzene (I)	95-63-6	NA	**2,100**	**570**	1.1E+5 (C)	2.1E+7	5.0E+8	5.0E+8	8.2E+10	1.1E+5 (C)	1.1E+5	**3000**		NS	NS	NS	NS	<100	<100	<100	<100	<200	NS	NS
Xylenes (I)	1330-20-7	NA	**5,600**	**980**	1.5E+5 (C)	4.6E+7	6.1E+7	1.3E+8	2.9E+11	1.5E+5 (C)	1.5E+5	**14390**		NS	NS	NS	NS	<170	<170	<160	<170	<280	NS	NS
All Remaining VOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS

AKT PEERLESS™
ENVIRONMENTAL SERVICES

Table 1: Summary of Soil Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#10	#11	#12	#14	#15	#16	#17	#18	#19	#20		Parcel ID:	B	B	B	B		B	B	B	B	B
Parameters*	**Chemical Abstract Service Number**	**Statewide Default Background Levels**	**Residential Drinking Water Protection Criteria and RBSLs**	**Groundwater Surface Water Interface Protection Criteria and RBSLs**	**Residential Soil Volatilization to Indoor Air Inhalation Criteria and RBSLs**	**Residential Infinite Source Volatile Soil Inhalation Criteria (VSIC) and RBSLs**	**Residential Finite VSIC for 5 Meter Source Thickness**	**Residential Finite VSIC for 2 Meter Source Thickness**	**Residential Particulate Soil Inhalation Criteria and RBSLs**	**Residential Direct Contact Criteria and RBSLs**	**Residential Soil Saturation Concentration Screening Levels**	**Maximum Concentration Detected**	**Sample Location**	**A-1 to A-9**	**A-10 to A-14**	**A-15 to A-18**	**CITH-SB01**	**CITH-SB01**	**CITH-SB02**	**CITH-SB03**	**CITH-SB04**	**CITH-WMW-11**	**CITH-WMW-12**	**CITH-WMW-13**
													Collection Date	**3/7/2012**	**3/7/2012**	**3/7/2012**	**8/1/2012**	**8/1/2012**	**8/1/2012**	**8/1/2012**	**8/1/2012**	**8/9/2013**	**8/9/2013**	**8/9/2013**
**(Refer to detailed laboratory report for method reference data)*													**Depth (ft)**	**0-5' Composite**	**0-6' Composite**	**0-6' Composite**	**2-4**	**4-6'**	**4-6'**	**4-6'**	**4.5-6'**	**14-15'**	**21-22'**	**4-5'**
Metals ug/Kg																								
Aluminum (B)	7429-90-5	6.90E+06	**1,000**	NA	NLV	NLV	NLV	NLV	ID	**5.0E+7 (DD)**	NA	**8.90E+07**		NS	NS	NS	NS	NS	NS	NS	**9,900,000**	**4,000,000**	**3,900,000**	**5,800,000**
Antimony	7440-36-0	NA	**4,300**	94,000 (X)	NLV	NLV	NLV	NLV	1.3E+7	1.8E+5	NA	**18000**		NS	NS	NS	NS	NS	NS	NS	**6,200**	**830**	**130**	**1,600**
Arsenic	7440-38-2	5,800	**4,600**	**4,600**	NLV	NLV	NLV	NLV	7.2E+5	**7,600**	NA	**3.90E+05**		NS	**5,800**	**5,900**	NS	NS	NS	NS	**24,000**	**8,900**	**5,400**	**10,000**
Cadmium (B)	7440-43-9	1,200	**6,000**	(G,X)	NLV	NLV	NLV	NLV	1.7E+6	5.5E+5	NA	**7520**		NS	**200**	**290**	NS	NS	NS	NS	**200**	**2,200**	**120**	**180**
Chromium, Total	7440-47-3	18,000 (total)	**30,000**	**3,300**	NLV	NLV	NLV	NLV	**2.6E+5**	**2.5E+6**	NA	**2.51E+06**		NS	**7,900**	**8,900**	NS	NS	NS	NS	**15,000**	**12,000**	**14,000**	**13,000**
Cobalt	7440-48-4	6,800	**800**	**2,000**	NLV	NLV	NLV	NLV	1.3E+7	2.6E+6	NA	**35000**		NS	NS	NS	NS	NS	NS	NS	**16,000**	**3,700**	**3,900**	**6,000**
Copper (B)	7440-50-8	32,000	**5.8E+6**	**(G)**	NLV	NLV	NLV	NLV	1.3E+8	2.0E+7	NA	**7.21E+06**		NS	**23,000**	**14,000**	NS	NS	NS	NS	**87,000**	**44,000**	**6,800**	**33,000**
Iron (B)	7439-89-6	1.2E+7	**6,000**	NA	NLV	NLV	NLV	NLV	ID	**1.6E+8**	NA	**6.60E+08**		NS	NS	NS	NS	NS	NS	NS	**27,000,000**	**15,000,000**	**12,000,000**	**16,000,000**
Lead (B)	7439-92-1	21,000	**7.0E+5**	(G,X)	NLV	NLV	NLV	NLV	1.0E+8	**4.0E+5**	NA	**2.73E+07**		NS	**52,000**	**120,000**	NS	NS	NS	NS	**300,000**	**200,000**	**6,500**	**110,000**
Magnesium (B)	7439-95-4	NA	**8.0E+6**	NA	NLV	NLV	NLV	NLV	6.7E+9	1.0E+9 (D)	NA	**3.60E+07**		NS	NS	NS	NS	NS	NS	NS	**5,100,000**	**6,800,000**	**12,000,000**	**11,000,000**
Manganese (B)	7439-96-5	4.4E+5	**1,000**	(G,X)	NLV	NLV	NLV	NLV	3.3E+6	2.5E+7	NA	**3.00E+06**		NS	NS	NS	NS	NS	NS	NS	**320,000**	**97,000**	**270,000**	**260,000**
Mercury, Total	7439-97-6	130	**1,700**	**50 (M); 1.2**	48,000	52,000	52,000	52,000	2.0E+7	1.6E+5	NA	**2600**		NS	**110**	**140**	NS	NS	NS	NS	**210**	**800**	ND	**1,100**
Nickel (B)	7440-02-0	20,000	**1.0E+5**	(G)	NLV	NLV	NLV	NLV	1.3E+7	4.0E+7	NA	**7.95+05**		NS	NS	NS	NS	NS	NS	NS	**53,000**	**11,000**	**8,800**	**19,000**
Selenium (B)	7782-49-2	410	**4,000**	**400**	NLV	NLV	NLV	NLV	1.3E+8	2.6E+6	NA	**4100**		NS	**260**	BDL	NS	NS	NS	NS	**860**	**530**	**110**	**380**
Silver (B)	7440-22-4	1,000	4,500	**100 (M); 27**	NLV	NLV	NLV	NLV	6.7E+6	2.5E+6	NA	**1200**		NS	BDL	BDL	NS	NS	NS	NS	**230**	**1,100**	**170**	**39**
Vanadium	7440-62-2	NA	**72,000**	**1.9E+5**	NLV	NLV	NLV	NLV	ID	7.5E+5 (DD)	NA	**2.50E+05**		NS	NS	NS	NS	NS	NS	NS	**39,000**	**12,000**	**11,000**	**19,000**
Zinc (B)	7440-66-6	47,000	**2.4E+6**	(G)	NLV	NLV	NLV	NLV	ID	1.7E+8	NA	**3.10E+07**		NS	**64,000**	**170,000**	NS	NS	NS	NS	**80,000**	**660,000**	**64,000**	**100,000**
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	NS	NS	NS	NS	BDL	BDL	BDL	BDL
Semivolatiles, BNAs ug/Kg																								
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**20600**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
All Remaining BNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Semivolatiles, PNAs ug/Kg																								
Acenaphthene	83-32-9	NA	3.0E+5	**8,700**	1.9E+8	8.1E+7	8.1E+7	8.1E+7	1.4E+10	4.1E+7	NA	**1.30E+05**		**1,500**	BDL	**830**	ND	ND	ND	**170**	ND	**7,900**	**1.9**	**130**
Acenaphthylene	208-96-8	NA	**5,900**	ID	1.6E+6	2.2E+6	2.2E+6	2.2E+6	2.3E+9	1.6E+6	NA	**8000**		BDL	**390**	BDL	ND	ND	ND	ND	ND	**1,000**	ND	**23**
Anthracene	120-12-7	NA	**41,000**	ID	1.0E+9 (D)	1.4E+9	1.4E+9	1.4E+9	6.7E+10	2.3E+8	NA	**71000**		**4,500**	**590**	**2,600**	**110**	**250**	ND	**170**	**340**	**7,800**	**3**	**400**
Benzo(a)anthracene (Q)	56-55-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**20,000**	NA	**47000**		**8,900**	**2,600**	**6,500**	**540**	**880**	ND	ND	**1,100**	**8,800**	**22**	**1,100**
Benzo(a)pyrene (Q)	50-32-8	NA	NLL	NLL	NLV	NLV	NLV	NLV	1.5E+6	**2,000**	NA	**41000**		**9,800**	**2,600**	**7,500**	**470**	**1,300**	ND	**740**	**2,300**	**9,100**	**19**	**1,000**
Benzo(b)fluoranthene (Q)	205-99-2	NA	NLL	NLL	ID	ID	ID	ID	ID	**20,000**	NA	**23000**		**12,000**	**4,100**	**9,400**	**540**	**1,200**	ND	**810**	**2,700**	**7,000**	**26**	**1,200**
Dibenzo(a,h)anthracene (Q)	53-70-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**2,000**	NA	**2600**		**1,400**	**380**	**1,000**	ND	ND	ND	ND	ND	**840**	**3.7**	**100**
Fluoranthene	206-44-0	NA	7.3E+5	**5,500**	1.0E+9 (D)	7.4E+8	7.4E+8	7.4E+8	9.3E+9	4.6E+7	NA	**89000**		**23,000**	**6,800**	**18,000**	**1,000**	**1,200**	ND	**1,700**	**2,000**	**15,000**	**29**	**1,800**
Fluorene	86-73-7	NA	3.9E+5	**5,300**	5.8E+8	1.3E+8	1.3E+8	1.3E+8	9.3E+9	2.7E+7	NA	**64000**		**1,600**	BDL	**870**	ND	ND	ND	**220**	ND	**3,500**	**2.6**	**89**
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.30E+05**		**640**	BDL	BDL	ND	**120**	ND	ND	ND	**620**	**10**	**140**
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**14000**		BDL	BDL	BDL	**110**	ND	ND	ND	ND	**1,500**	**7.8**	**170**
Phenanthrene	85-01-8	NA	**56,000**	**2,100**	2.8E+6	**1.6E+5**	**1.6E+5**	**1.6E+5**	6.7E+6	1.6E+6	NA	**2.50E+05**		**15,000**	**2,000**	**9,100**	**800**	**630**	ND	**820**	**540**	**13,000**	**28**	**980**
All Remaining PNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Volatiles, VOCs ug/Kg																								
Benzene (I)	71-43-2	NA	**100**	4,000 (X)	1,600	13,000	34,000	79,000	3.8E+8	1.8E+5	4.0E+5	**340**		NS	NS	NS	**340**	**320**	**36**	ND	ND	ND	ND	**18**
Carbon tetrachloride	56-23-5	NA	**100**	760 (X)	**190**	3,500	12,000	28,000	1.3E+8	96,000	3.9E+5	**540**		NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	NA	**1,600 (W)**	7,000	7,200	45,000	1.2E+5	2.7E+5	1.3E+9	1.2E+6	1.5E+6	**2300**		NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100-41-4	NA	**1,500**	**360**	87,000	7.2E+5	1.0E+6	2.2E+6	1.0E+10	1.4E+5 (C)	1.4E+5	**7900**		NS	NS	NS	**43**	**110**	**89**	**14**	**22**	ND	ND	**24**
Methylene chloride	75-09-2	NA	**100**	30,000 (X)	45,000	2.1E+5	5.9E+5	1.4E+6	6.6E+9	1.3E+6	2.3E+6	**1600**		NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.10E+05**		NS	NS	NS	**120**	**270**	**210**	**510**	**180**	NS	NS	NS
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**31000**		**710**	BDL	BDL	**130**	**170**	**210**	**510**	**100**	NS	NS	NS
Tetrachloroethylene	127-18-4	NA	**100**	1,200 (X)	11,000	1.8E+5	4.8E+5	1.1E+6	5.4E+9	88,000 (C)	88,000	**170**		NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
Toluene (I)	108-88-3	NA	16,000	**5,400**	2.5E+5 (C)	2.8E+6	5.1E+6	1.2E+7	2.7E+10	2.5E+5 (C)	2.5E+5	**7000**		NS	NS	NS	**440**	**430**	**280**	**150**	**200**	**250**	**530**	**100**
Trichloroethylene	79-01-6	NA	**100**	4,000 (X)	7,100	78,000	1.7E+5	3.9E+5	1.8E+9	5.0E+5 (C,DD)	5.0E+5	**480**		NS	NS	NS	**150**	**480**	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene*	526-73-8	NA	1,800	**570**	94,000 (C)	1.6E+7	3.8E+8	3.8E+8	8.2E+10	94,000 (C)	94,000	**1000**		NS	NS	NS	**29**	**84**	**70**	**36**	**22**	NS	NS	NS
1,2,4-Trimethylbenzene (I)	95-63-6	NA	**2,100**	**570**	1.1E+5 (C)	2.1E+7	5.0E+8	5.0E+8	8.2E+10	1.1E+5 (C)	1.1E+5	**3000**		NS	NS	NS	**77**	**200**	**210**	**41**	**28**	NS	NS	NS
Xylenes (I)	1330-20-7	NA	**5,600**	**980**	1.5E+5 (C)	4.6E+7	6.1E+7	1.3E+8	2.9E+11	1.5E+5 (C)	1.5E+5	**14390**		NS	NS	NS	**340**	**510**	**350**	ND	ND	ND	**24.9**	**196**
All Remaining VOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	NS	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

AKT PEERLESS™
ENVIRONMENTAL SERVICES

Table 1: Summary of Soil Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#10	#11	#12	#14	#15	#16	#17	#18	#19	#20		Parcel ID:	B	B	B	B	B	B	B	B	B	B
Parameters*	**Chemical Abstract Service Number**	**Statewide Default Background Levels**	**Residential Drinking Water Protection Criteria and RBSLs**	**Groundwater Surface Water Interface Protection Criteria and RBSLs**	**Residential Soil Volatilization to Indoor Air Inhalation Criteria and RBSLs**	**Residential Infinite Source Volatile Soil Inhalation Criteria (VSIC) and RBSLs**	**Residential Finite VSIC for 5 Meter Source Thickness**	**Residential Finite VSIC for 2 Meter Source Thickness**	**Residential Particulate Soil Inhalation Criteria and RBSLs**	**Residential Direct Contact Criteria and RBSLs**	**Residential Soil Saturation Concentration Screening Levels**	**Maximum Concentration Detected**	**Sample Location**	**CITH-WMW-14**	**CITH-WMW-15**	**CITH-WMW-16**	**CITH-WMW-17**	**CITH-WMW-18**	**CITH-WMW-19**	**CITH-WMW-20**	**CITH-WMW-21**	**CITH-WMW-22**	**CITH-WMW-23**	**CITH-WMW-24**
**(Refer to detailed laboratory report for method reference data)*													**Collection Date**	**8/12/2013**	**8/8/2013**	**8/15/2013**	**8/8/2013**	**8/8/2013**	**8/8/2013**	**8/12/2013**	**8/7/2013**	**8/12/2013**	**8/5/2013**	**8/6/2013**
													Depth (ft)	**13-14'**	**12-13'**	**9-10'**	**10-11'**	**4-5'**	**9-10'**	**6-7'**	**10-11'**	**7-8'**	**14-15'**	**7-8'**
Metals ug/Kg																							
Aluminum (B)	7429-90-5	6.90E+06	**1,000**	NA	NLV	NLV	NLV	NLV	ID	**5.0E+7 (DD)**	NA	**8.90E+07**		**3,400,000**	**5,000,000**	**1,500,000**	**3,700,000**	**7,500,000**	**3,600,000**	**3,500,000**	**7,500,000**	**3,400,000**	**5,300,000**	**11,000,000**
Antimony	7440-36-0	NA	**4,300**	94,000 (X)	NLV	NLV	NLV	NLV	1.3E+7	1.8E+5	NA	**18000**		**88**	**80**	**93**	**1,800**	**340**	**750**	**110**	**340**	**87**	**57**	**270**
Arsenic	7440-38-2	5,800	**4,600**	**4,600**	NLV	NLV	NLV	NLV	7.2E+5	**7,600**	NA	**3.90E+05**		**3,900**	**5,700**	**390,000**	**180,000**	**4,200**	**3,200**	**5,300**	**4,200**	**8,400**	**4,300**	**11,000**
Cadmium (B)	7440-43-9	1,200	**6,000**	(G,X)	NLV	NLV	NLV	NLV	1.7E+6	5.5E+5	NA	**7520**		**48**	**86**	**30**	**84**	**160**	**63**	**62**	**160**	**47**	**92**	**140**
Chromium, Total	7440-47-3	18,000 (total)	**30,000**	**3,300**	NLV	NLV	NLV	NLV	**2.6E+5**	**2.5E+6**	NA	**2.51E+06**		**8,000**	**9,300**	**3,800**	**11,000**	**12,000**	**6,700**	**12,000**	**12,000**	**7,700**	**8,900**	**18,000**
Cobalt	7440-48-4	6,800	**800**	**2,000**	NLV	NLV	NLV	NLV	1.3E+7	2.6E+6	NA	**35000**		**4,000**	**4,700**	**5,500**	**1,300**	**3,200**	**2,900**	**3,200**	**3,200**	**2,500**	**3,200**	**8,500**
Copper (B)	7440-50-8	32,000	**5.8E+6**	**(G)**	NLV	NLV	NLV	NLV	1.3E+8	2.0E+7	NA	**7.21E+06**		**4,700**	**5,500**	**2,500**	**16,000**	**13,000**	**4,200**	**4,000**	**13,000**	**3,000**	**4,900**	**15,000**
Iron (B)	7439-89-6	1.2E+7	**6,000**	NA	NLV	NLV	NLV	NLV	ID	**1.6E+8**	NA	**6.60E+08**		**9,500,000**	**12,000,000**	**17,000,000**	**24,000,000**	**8,300,000**	**5,300,000**	**11,000,000**	**8,300,000**	**9,100,000**	**7,600,000**	**18,000,00**
Lead (B)	7439-92-1	21,000	**7.0E+5**	(G,X)	NLV	NLV	NLV	NLV	1.0E+8	**4.0E+5**	NA	**2.73E+07**		**4,600**	**5,300**	**3,200**	**110,000**	**4,600**	**3,800**	**9,600**	**4,600**	**3,400**	**4,300**	**8,800**
Magnesium (B)	7439-95-4	NA	**8.0E+6**	NA	NLV	NLV	NLV	NLV	6.7E+9	1.0E+9 (D)	NA	**3.60E+07**		**13,000,000**	**1,900,000**	**16,000,000**	**550,000**	**18,000,000**	**8,000,000**	**10,000,000**	**18,000,000**	**13,000,000**	**6,700,000**	**7,300,000**
Manganese (B)	7439-96-5	4.4E+5	**1,000**	(G,X)	NLV	NLV	NLV	NLV	3.3E+6	2.5E+7	NA	**3.00E+06**		**190,000**	**530,000**	**280,000**	**52,000**	**180,000**	**63,000**	**120,000**	**180,000**	**120,000**	**65,000**	**260,000**
Mercury, Total	7439-97-6	130	**1,700**	**50 (M); 1.2**	48,000	52,000	52,000	52,000	2.0E+7	1.6E+5	NA	**2600**		**7.5**	**6.6**	ND	**200**	**19**	ND	ND	**19**	ND	**6.7**	**9.4**
Nickel (B)	7440-02-0	20,000	**1.0E+5**	(G)	NLV	NLV	NLV	NLV	1.3E+7	4.0E+7	NA	**7.95+05**		**12,000**	**9,400**	**6,600**	**13,000**	**8,700**	**5,900**	**7,900**	**8,700**	**6,200**	**7,300**	**22,000**
Selenium (B)	7782-49-2	410	**4,000**	**400**	NLV	NLV	NLV	NLV	1.3E+8	2.6E+6	NA	**4100**		**190**	**130**	ND	**4,100**	**400**	**340**	**170**	**400**	**130**	**280**	**340**
Silver (B)	7440-22-4	1,000	4,500	**100 (M); 27**	NLV	NLV	NLV	NLV	6.7E+6	2.5E+6	NA	**1200**		**84**	**24**	ND	**230**	**61**	**23**	**35**	**61**	ND	**51**	**33**
Vanadium	7440-62-2	NA	**72,000**	**1.9E+5**	NLV	NLV	NLV	NLV	ID	7.5E+5 (DD)	NA	**2.50E+05**		**8,800**	**14,000**	**5,800**	**12,000**	**19,000**	**11,000**	**9,800**	**19,000**	**9,800**	**14,000**	**29,000**
Zinc (B)	7440-66-6	47,000	**2.4E+6**	(G)	NLV	NLV	NLV	NLV	ID	1.7E+8	NA	**3.10E+07**		**19,000**	**25,000**	**12,000**	**42,000**	**25,000**	**98,000**	**16,000**	**25,000**	**24,000**	**25,000**	**43,000**
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semivolatiles, BNAs ug/Kg																								
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**20600**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
All Remaining BNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Semivolatiles, PNAs ug/Kg																								
Acenaphthene	83-32-9	NA	3.0E+5	**8,700**	1.9E+8	8.1E+7	8.1E+7	8.1E+7	1.4E+10	4.1E+7	NA	**1.30E+05**		**0.72**	**40**	ND	**8.9**	**77**	ND	**34**	ND	**0.82**	**570**	**4.5**
Acenaphthylene	208-96-8	NA	**5,900**	ID	1.6E+6	2.2E+6	2.2E+6	2.2E+6	2.3E+9	1.6E+6	NA	**8000**		ND	ND	ND	**7.5**	**110**	ND	**30**	ND	ND	**260**	ND
Anthracene	120-12-7	NA	**41,000**	ID	1.0E+9 (D)	1.4E+9	1.4E+9	1.4E+9	6.7E+10	2.3E+8	NA	**71000**		**0.72**	**32**	**0.84**	**15**	**780**	ND	**52**	ND	ND	**920**	**4.1**
Benzo(a)anthracene (Q)	56-55-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**20,000**	NA	**47000**		**4.3**	**50**	**4.6**	**62**	**2,700**	**1.9**	**21**	ND	**1.2**	**460**	**6.1**
Benzo(a)pyrene (Q)	50-32-8	NA	NLL	NLL	NLV	NLV	NLV	NLV	1.5E+6	**2,000**	NA	**41000**		**3.6**	ND	**3.4**	**39**	**9,300**	ND	**17**	ND	ND	**150**	**3.3**
Benzo(b)fluoranthene (Q)	205-99-2	NA	NLL	NLL	ID	ID	ID	ID	ID	**20,000**	NA	**23000**		**3.6**	ND	**4.6**	**68**	**22,000**	ND	ND	ND	ND	**82**	**3.3**
Dibenzo(a,h)anthracene (Q)	53-70-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**2,000**	NA	**2600**		ND	ND	ND	**6.1**	**1,900**	ND	ND	ND	ND	ND	**0.82**
Fluoranthene	206-44-0	NA	7.3E+5	**5,500**	1.0E+9 (D)	7.4E+8	7.4E+8	7.4E+8	9.3E+9	4.6E+7	NA	**89000**		**4.7**	**30**	**5.9**	**50**	**3,200**	**1.4**	**34**	ND	ND	**140**	**6.1**
Fluorene	86-73-7	NA	3.9E+5	**5,300**	5.8E+8	1.3E+8	1.3E+8	1.3E+8	9.3E+9	2.7E+7	NA	**64000**		**1.1**	**32**	ND	**7**	**150**	ND	**60**	ND	**0.82**	**1,200**	**4.1**
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.30E+05**		**2.5**	**38**	ND	**97**	**250**	ND	**5,200**	ND	ND	**7,900**	ND
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**14000**		**1.8**	**3.7**	ND	**47**	**150**	**1.4**	**3,400**	ND	**5.7**	**180**	**0.82**
Phenanthrene	85-01-8	NA	**56,000**	**2,100**	2.8E+6	**1.6E+5**	**1.6E+5**	**1.6E+5**	6.7E+6	1.6E+6	NA	**2.50E+05**		**5.1**	**140**	**3.4**	**240**	**2,500**	**1.9**	**200**	ND	**1.6**	**3,200**	**5.7**
All Remaining PNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Volatiles, VOCs ug/Kg																								
Benzene (I)	71-43-2	NA	**100**	4,000 (X)	1,600	13,000	34,000	79,000	3.8E+8	1.8E+5	4.0E+5	**340**		ND	ND	ND	ND	**43**	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	56-23-5	NA	**100**	760 (X)	**190**	3,500	12,000	28,000	1.3E+8	96,000	3.9E+5	**540**		ND	ND	ND	**540**	**310**	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	NA	**1,600 (W)**	7,000	7,200	45,000	1.2E+5	2.7E+5	1.3E+9	1.2E+6	1.5E+6	**2300**		ND	ND	ND	**110**	**13**	ND	**2,300**	ND	ND	ND	ND
Ethylbenzene (I)	100-41-4	NA	**1,500**	**360**	87,000	7.2E+5	1.0E+6	2.2E+6	1.0E+10	1.4E+5 (C)	1.4E+5	**7900**		ND	ND	ND	ND	**46**	ND	**7,900**	ND	ND	ND	ND
Methylene chloride	75-09-2	NA	**100**	30,000 (X)	45,000	2.1E+5	5.9E+5	1.4E+6	6.6E+9	1.3E+6	2.3E+6	**1600**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.10E+05**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**31000**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethylene	127-18-4	NA	**100**	1,200 (X)	11,000	1.8E+5	4.8E+5	1.1E+6	5.4E+9	88,000 (C)	88,000	**170**		ND	ND	ND	ND	**170**	ND	ND	ND	ND	ND	ND
Toluene (I)	108-88-3	NA	16,000	**5,400**	2.5E+5 (C)	2.8E+6	5.1E+6	1.2E+7	2.7E+10	2.5E+5 (C)	2.5E+5	**7000**		ND	**24**	ND	**17**	**200**	ND	**160**	ND	ND	ND	**80**
Trichloroethylene	79-01-6	NA	**100**	4,000 (X)	7,100	78,000	1.7E+5	3.9E+5	1.8E+9	5.0E+5 (C,DD)	5.0E+5	**480**		ND	ND	ND	ND	**69**	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene*	526-73-8	NA	1,800	**570**	94,000 (C)	1.6E+7	3.8E+8	3.8E+8	8.2E+10	94,000 (C)	94,000	**1000**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene (I)	95-63-6	NA	**2,100**	**570**	1.1E+5 (C)	2.1E+7	5.0E+8	5.0E+8	8.2E+10	1.1E+5 (C)	1.1E+5	**3000**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (I)	1330-20-7	NA	**5,600**	**980**	1.5E+5 (C)	4.6E+7	6.1E+7	1.3E+8	2.9E+11	1.5E+5 (C)	1.5E+5	**14390**		ND	**8.1**	ND	**9.6**	**320**	ND	**14,390**	ND	ND	**23**	ND
All Remaining VOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

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ENVIRONMENTAL SERVICES

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Chevy Commons - Parcels A through E
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Guidesheet Number →		#10	#11	#12	#14	#15	#16	#17	#18	#19	#20		Parcel ID:	B	B	B	B	B	B	B	B	B	B
Parameters*	**Chemical Abstract Service Number**	**Statewide Default Background Levels**	**Residential Drinking Water Protection Criteria and RBSLs**	**Groundwater Surface Water Interface Protection Criteria and RBSLs**	**Residential Soil Volatilization to Indoor Air Inhalation Criteria and RBSLs**	**Residential Infinite Source Volatile Soil Inhalation Criteria (VSIC) and RBSLs**	**Residential Finite VSIC for 5 Meter Source Thickness**	**Residential Finite VSIC for 2 Meter Source Thickness**	**Residential Particulate Soil Inhalation Criteria and RBSLs**	**Residential Direct Contact Criteria and RBSLs**	**Residential Soil Saturation Concentration Screening Levels**	**Maximum Concentration Detected**	**Sample Location**	**CITH-WMW-25**	**CITH-WMW-26**	**WMW-36**	**WMW-37**	**WMW-38**	**WMW-39**	**WMW-41**	**WMW-42**	**WMW-43**	**WMW-44**
													Collection Date	**8/7/2013**	**8/6/2013**	**05/21/2014**	**06/02/2014**	**05/21/2014**	**05/21/2014**	**06/02/2014**	**05/21/2014**	**8/29/2014**	**8/29/2014**
**(Refer to detailed laboratory report for method reference data)*													**Depth (ft)**	**14-15'**	**24-25'**	**8-9'**	**5-6'**	**13-14'**	**10-12'**	**4-5'**	**5-6'**	**4-5'**	**5-6'**
Metals ug/Kg																							
Aluminum (B)	7429-90-5	6.90E+06	**1,000**	NA	NLV	NLV	NLV	NLV	ID	**5.0E+7 (DD)**	NA	**8.90E+07**		**3,000,000**	**3,600,000**	NS	NS	NS	NS	NS	NS	NS	NS
Antimony	7440-36-0	NA	**4,300**	94,000 (X)	NLV	NLV	NLV	NLV	1.3E+7	1.8E+5	NA	**18000**		**2,000**	**150**	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	5,800	**4,600**	**4,600**	NLV	NLV	NLV	NLV	7.2E+5	**7,600**	NA	**3.90E+05**		**3,500**	**6,200**	**810**	**1,090**	**1,690**	**10,500**	NS	NS	**1,470**	**4,760**
Cadmium (B)	7440-43-9	1,200	**6,000**	(G,X)	NLV	NLV	NLV	NLV	1.7E+6	5.5E+5	NA	**7520**		**48**	**71**	NS	NS	NS	NS	NS	NS	NS	NS
Chromium, Total	7440-47-3	18,000 (total)	**30,000**	**3,300**	NLV	NLV	NLV	NLV	**2.6E+5**	**2.5E+6**	NA	**2.51E+06**		**10,000**	**13,000**	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	7440-48-4	6,800	**800**	**2,000**	NLV	NLV	NLV	NLV	1.3E+7	2.6E+6	NA	**35000**		**3,000**	**4,300**	NS	NS	NS	NS	NS	NS	NS	NS
Copper (B)	7440-50-8	32,000	**5.8E+6**	**(G)**	NLV	NLV	NLV	NLV	1.3E+8	2.0E+7	NA	**7.21E+06**		**6,400**	**8,600**	NS	NS	NS	NS	NS	NS	NS	NS
Iron (B)	7439-89-6	1.2E+7	**6,000**	NA	NLV	NLV	NLV	NLV	ID	**1.6E+8**	NA	**6.60E+08**		**8,100,000**	**15,000,000**	NS	NS	NS	NS	NS	NS	NS	NS
Lead (B)	7439-92-1	21,000	**7.0E+5**	(G,X)	NLV	NLV	NLV	NLV	1.0E+8	**4.0E+5**	NA	**2.73E+07**		**6,500**	**5,600**	**3,240**	**18,200**	**8,040**	**30,700**	NS	NS	**4,070**	**3.08E+06**
Magnesium (B)	7439-95-4	NA	**8.0E+6**	NA	NLV	NLV	NLV	NLV	6.7E+9	1.0E+9 (D)	NA	**3.60E+07**		**12,000,000**	**15,000,000**	NS	NS	NS	NS	NS	NS	NS	NS
Manganese (B)	7439-96-5	4.4E+5	**1,000**	(G,X)	NLV	NLV	NLV	NLV	3.3E+6	2.5E+7	NA	**3.00E+06**		**350,000**	**270,000**	NS	NS	NS	NS	NS	NS	NS	NS
Mercury, Total	7439-97-6	130	**1,700**	**50 (M); 1.2**	48,000	52,000	52,000	52,000	2.0E+7	1.6E+5	NA	**2600**		ND	**7.6**	NS	NS	NS	NS	NS	NS	NS	NS
Nickel (B)	7440-02-0	20,000	**1.0E+5**	(G)	NLV	NLV	NLV	NLV	1.3E+7	4.0E+7	NA	**7.95+05**		**7,300**	**9,500**	NS	NS	NS	NS	NS	NS	NS	NS
Selenium (B)	7782-49-2	410	**4,000**	**400**	NLV	NLV	NLV	NLV	1.3E+8	2.6E+6	NA	**4100**		**240**	**390**	NS	NS	NS	NS	NS	NS	NS	NS
Silver (B)	7440-22-4	1,000	4,500	**100 (M); 27**	NLV	NLV	NLV	NLV	6.7E+6	2.5E+6	NA	**1200**		**1,200**	**31**	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NA	**72,000**	**1.9E+5**	NLV	NLV	NLV	NLV	ID	7.5E+5 (DD)	NA	**2.50E+05**		**8,900**	**12,000**	NS	NS	NS	NS	NS	NS	NS	NS
Zinc (B)	7440-66-6	47,000	**2.4E+6**	(G)	NLV	NLV	NLV	NLV	ID	1.7E+8	NA	**3.10E+07**		**18,000**	**23,000**	NS	NS	NS	NS	NS	NS	NS	NS
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	NS	NS	NS	NS	NS	NS	NS	NS
Semivolatiles, BNAs ug/Kg																							
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**20600**		NS	NS	<300	<600	<300	<300	<300	<300	<300	<300
All Remaining BNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	NS	<300	<300	<300	<300	<300	<300	<300	<300
Semivolatiles, PNAs ug/Kg																							
Acenaphthene	83-32-9	NA	3.0E+5	**8,700**	1.9E+8	8.1E+7	8.1E+7	8.1E+7	1.4E+10	4.1E+7	NA	**1.30E+05**		**5.1**	**0.72**	<300	**700**	<300	<300	<300	<300	<300	<300
Acenaphthylene	208-96-8	NA	**5,900**	ID	1.6E+6	2.2E+6	2.2E+6	2.2E+6	2.3E+9	1.6E+6	NA	**8000**		**1.1**	ND	<300	<600	<300	<300	**1,800**	<300	<300	<600
Anthracene	120-12-7	NA	**41,000**	ID	1.0E+9 (D)	1.4E+9	1.4E+9	1.4E+9	6.7E+10	2.3E+8	NA	**71000**		**5.1**	**1.1**	<300	<600	<300	<300	**3,000**	<300	<300	<600
Benzo(a)anthracene (Q)	56-55-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**20,000**	NA	**47000**		**25**	**3.6**	<300	<600	<300	<300	**11,300**	<300	<300	<600
Benzo(a)pyrene (Q)	50-32-8	NA	NLL	NLL	NLV	NLV	NLV	NLV	1.5E+6	**2,000**	NA	**41000**		**26**	**3.2**	<300	<600	<300	<300	**10,500**	<300	<300	<600
Benzo(b)fluoranthene (Q)	205-99-2	NA	NLL	NLL	ID	ID	ID	ID	ID	**20,000**	NA	**23000**		**37**	**3.2**	<300	<600	<300	<300	**10,400**	<300	<300	<600
Dibenzo(a,h)anthracene (Q)	53-70-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**2,000**	NA	**2600**		**4.8**	ND	<300	<600	<300	<300	**400**	<300	<300	<600
Fluoranthene	206-44-0	NA	7.3E+5	**5,500**	1.0E+9 (D)	7.4E+8	7.4E+8	7.4E+8	9.3E+9	4.6E+7	NA	**89000**		**28**	**3.2**	<300	<600	<300	<300	**19,700**	<300	<300	<600
Fluorene	86-73-7	NA	3.9E+5	**5,300**	5.8E+8	1.3E+8	1.3E+8	1.3E+8	9.3E+9	2.7E+7	NA	**64000**		**5.5**	**1.1**	<300	**1,000**	<300	**300**	**600**	<300	<300	<600
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.30E+05**		**9.2**	**4.3**	<300	**600**	<300	**700**	<300	<300	<300	<600
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**14000**		**5.9**	**2.2**	<300	<600	<300	**600**	<300	<300	<300	<600
Phenanthrene	85-01-8	NA	**56,000**	**2,100**	2.8E+6	**1.6E+5**	**1.6E+5**	**1.6E+5**	6.7E+6	1.6E+6	NA	**2.50E+05**		**33**	**8.3**	<300	<600	<300	**1,100**	**9,400**	<300	<300	<600
All Remaining PNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Volatiles, VOCs ug/Kg																							
Benzene (I)	71-43-2	NA	**100**	4,000 (X)	1,600	13,000	34,000	79,000	3.8E+8	1.8E+5	4.0E+5	**340**		ND	ND	<60	<70	<100	<100	**100**	<70	<80	<90
Carbon tetrachloride	56-23-5	NA	**100**	760 (X)	**190**	3,500	12,000	28,000	1.3E+8	96,000	3.9E+5	**540**		ND	ND	<60	<70	<100	<100	<70	<70	<80	<90
Chloroform	67-66-3	NA	**1,600 (W)**	7,000	7,200	45,000	1.2E+5	2.7E+5	1.3E+9	1.2E+6	1.5E+6	**2300**		ND	ND	<60	<70	<100	<100	<70	<70	<80	<90
Ethylbenzene (I)	100-41-4	NA	**1,500**	**360**	87,000	7.2E+5	1.0E+6	2.2E+6	1.0E+10	1.4E+5 (C)	1.4E+5	**7900**		ND	ND	<60	<70	<100	<100	<70	<70	<80	**130**
Methylene chloride	75-09-2	NA	**100**	30,000 (X)	45,000	2.1E+5	5.9E+5	1.4E+6	6.6E+9	1.3E+6	2.3E+6	**1600**		ND	ND	<100	<100	<200	<300	<100	<100	<100	<100
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.10E+05**		NS	NS	<390	<470	**2,440**	<970	**490**	<450	<300	<600
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**31000**		NS	NS	<390	<470	<670	<970	<480	<450	<480	<450
Tetrachloroethylene	127-18-4	NA	**100**	1,200 (X)	11,000	1.8E+5	4.8E+5	1.1E+6	5.4E+9	88,000 (C)	88,000	**170**		ND	ND	<60	<70	<100	<100	<70	<70	<80	<90
Toluene (I)	108-88-3	NA	16,000	**5,400**	2.5E+5 (C)	2.8E+6	5.1E+6	1.2E+7	2.7E+10	2.5E+5 (C)	2.5E+5	**7000**		**17**	**20**	<100	<100	<200	<300	**400**	<100	<300	**400**
Trichloroethylene	79-01-6	NA	**100**	4,000 (X)	7,100	78,000	1.7E+5	3.9E+5	1.8E+9	5.0E+5 (C,DD)	5.0E+5	**480**		ND	ND	<60	<70	<100	<100	<70	<70	<80	<90
1,2,3-Trimethylbenzene*	526-73-8	NA	1,800	**570**	94,000 (C)	1.6E+7	3.8E+8	3.8E+8	8.2E+10	94,000 (C)	94,000	**1000**		NS	NS	<100	<100	<200	<300	<100	<100	<200	<200
1,2,4-Trimethylbenzene (I)	95-63-6	NA	**2,100**	**570**	1.1E+5 (C)	2.1E+7	5.0E+8	5.0E+8	8.2E+10	1.1E+5 (C)	1.1E+5	**3000**		NS	NS	<100	<100	<200	<300	**200**	<100	<200	<200
Xylenes (I)	1330-20-7	NA	**5,600**	**980**	1.5E+5 (C)	4.6E+7	6.1E+7	1.3E+8	2.9E+11	1.5E+5 (C)	1.5E+5	**14390**		ND	ND	<160	<170	<300	<400	**680**	<170	<280	**550**
All Remaining VOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

AKT PEERLESS™
ENVIRONMENTAL SERVICES

Table 1: Summary of Soil Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#10	#11	#12	#14	#15	#16	#17	#18	#19	#20		Parcel ID:	D	D	D	D	D	D	D	D	D	D
Parameters*	**Chemical Abstract Service Number**	**Statewide Default Background Levels**	**Residential Drinking Water Protection Criteria and RBSLs**	**Groundwater Surface Water Interface Protection Criteria and RBSLs**	**Residential Soil Volatilization to Indoor Air Inhalation Criteria and RBSLs**	**Residential Infinite Source Volatile Soil Inhalation Criteria (VSIC) and RBSLs**	**Residential Finite VSIC for 5 Meter Source Thickness**	**Residential Finite VSIC for 2 Meter Source Thickness**	**Residential Particulate Soil Inhalation Criteria and RBSLs**	**Residential Direct Contact Criteria and RBSLs**	**Residential Soil Saturation Concentration Screening Levels**	**Maximum Concentration Detected**	**Sample Location**	**D-1S**	**D-1D**	**D-2**	**D-3S**	**D-3D**	**D-4S**	**D-4D**	**D-5S**	**D-5D**	**D-6**	**D-7S**
**(Refer to detailed laboratory report for method reference data)*													**Collection Date**	03/17/2010	03/17/2010	03/17/2010	03/17/2010	03/17/2010	03/17/2010	03/17/2010	03/17/2010	03/17/2010	03/16/2010	03/16/2010
													Depth (ft)	2-4'	7-8'	1-3'	7-9'	18-20'	1-3'	22-24'	1.5-2.5'	3-4'	10-11'	3-4'
Metals ug/Kg																								
Aluminum (B)	7429-90-5	6.90E+06	1,000	NA	NLV	NLV	NLV	NLV	ID	5.0E+7 (DD)	NA	8.90E+07		3,050,000	3,350,000	NT	NT	NT	NT	NT	NT	3,210,000	867,000	1,580,000
Antimony	7440-36-0	NA	4,300	94,000 (X)	NLV	NLV	NLV	NLV	1.3E+7	1.8E+5	NA	18000		6,560	<500	NT	NT	NT	NT	NT	NT	<500	<500	870
Arsenic	7440-38-2	5,800	4,600	4,600	NLV	NLV	NLV	NLV	7.2E+5	7,600	NA	3.90E+05		9,160	1,930	1,180	3,760	1,200	770	3,680	1,160	1,500	990	5,930
Cadmium (B)	7440-43-9	1,200	6,000	(G,X)	NLV	NLV	NLV	NLV	1.7E+6	5.5E+5	NA	7520		5,800	<200	<200	<200	<200	<200	1,640	<200	<200	<200	300
Chromium, Total	7440-47-3	18,000 (total)	30,000	3,300	NLV	NLV	NLV	NLV	2.6E+5	2.5E+6	NA	2.51E+06		89,600	5,800	1,460	3,660	4,020	1,970	24,900	7,160	8,870	1,750	8,840
Cobalt	7440-48-4	6,800	800	2,000	NLV	NLV	NLV	NLV	1.3E+7	2.6E+6	NA	35000		17,500	4,030	NT	NT	NT	NT	NT	NT	3,810	1,380	2,890
Copper (B)	7440-50-8	32,000	5.8E+6	(G)	NLV	NLV	NLV	NLV	1.3E+8	2.0E+7	NA	7.21E+06		7,210,000	168,000	2,890	10,600	2,550	4,090	44,400	12,700	12,300	3,670	64,500
Iron (B)	7439-89-6	1.2E+7	6,000	NA	NLV	NLV	NLV	NLV	ID	1.6E+8	NA	6.60E+08		97,400,000	5,300,000	NT	NT	NT	NT	NT	NT	7,920,000	3,070,000	6,440,000
Lead (B)	7439-92-1	21,000	7.0E+5	(G,X)	NLV	NLV	NLV	NLV	1.0E+8	4.0E+5	NA	2.73E+07		9,710,000	57,000	8,800	89,800	4,810	5,900	124,000	14,400	20,300	2,540	123,000
Magnesium (B)	7439-95-4	NA	8.0E+6	NA	NLV	NLV	NLV	NLV	6.7E+9	1.0E+9 (D)	NA	3.60E+07		3,060,000	9,590,000	NT	NT	NT	NT	NT	NT	6,830,000	9,900,000	3,150,000
Manganese (B)	7439-96-5	4.4E+5	1,000	(G,X)	NLV	NLV	NLV	NLV	3.3E+6	2.5E+7	NA	3.00E+06		1,170,000	65,300	NT	NT	NT	NT	NT	NT	162,000	139,000	245,000
Mercury, Total	7439-97-6	130	1,700	50 (M); 1.2	48,000	52,000	52,000	52,000	2.0E+7	1.6E+5	NA	2600		913	<50	<50	169	<50	<50	112	125	70	<50	386
Nickel (B)	7440-02-0	20,000	1.0E+5	(G)	NLV	NLV	NLV	NLV	1.3E+7	4.0E+7	NA	7.95+05		109,000	7,660	NT	NT	NT	NT	NT	NT	9,840	3,910	10,700
Selenium (B)	7782-49-2	410	4,000	400	NLV	NLV	NLV	NLV	1.3E+8	2.6E+6	NA	4100		<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500
Silver (B)	7440-22-4	1,000	4,500	100 (M); 27	NLV	NLV	NLV	NLV	6.7E+6	2.5E+6	NA	1200		1,600	<200	<200	<200	<200	<200	670	<200	<200	<200	<200
Vanadium	7440-62-2	NA	72,000	1.9E+5	NLV	NLV	NLV	NLV	ID	7.5E+5 (DD)	NA	2.50E+05		8,200	10,300	NT	NT	NT	NT	NT	NT	9,340	3,070	6,410
Zinc (B)	7440-66-6	47,000	2.4E+6	(G)	NLV	NLV	NLV	NLV	ID	1.7E+8	NA	3.10E+07		4,630,000	57,400	23,800	49,500	18,500	7,720	146,000	24,600	27,600	9,530	73,100
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semivolatiles, BNAs ug/Kg																								
Naphthalene	91-20-3	NA	35,000	730	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	20600		<300	<300	<300	<300	<300	<500	<300	<300	20,600	<300	<300
All Remaining BNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semivolatiles, PNAs ug/Kg																								
Acenaphthene	83-32-9	NA	3.0E+5	8,700	1.9E+8	8.1E+7	8.1E+7	8.1E+7	1.4E+10	4.1E+7	NA	1.30E+05		<300	<300	<300	<300	<300	<500	<300	<300	1,600	<300	<300
Acenaphthylene	208-96-8	NA	5,900	ID	1.6E+6	2.2E+6	2.2E+6	2.2E+6	2.3E+9	1.6E+6	NA	8000		<300	<300	<300	<300	<300	<500	<300	<300	700	<300	<300
Anthracene	120-12-7	NA	41,000	ID	1.0E+9 (D)	1.4E+9	1.4E+9	1.4E+9	6.7E+10	2.3E+8	NA	71000		<300	<300	<300	<300	<300	<500	<300	<300	1,000	<300	<300
Benzo(a)anthracene (Q)	56-55-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	20,000	NA	47000		600	<300	<300	<300	<300	500	<300	<300	1,400	<300	500
Benzo(a)pyrene (Q)	50-32-8	NA	NLL	NLL	NLV	NLV	NLV	NLV	1.5E+6	2,000	NA	41000		500	<300	<300	<300	<300	700	<300	<300	1,600	<300	500
Benzo(b)fluoranthene (Q)	205-99-2	NA	NLL	NLL	ID	ID	ID	ID	ID	20,000	NA	23000		1,100	<300	<300	<300	<300	900	<300	<300	1,500	<300	600
Dibenzo(a,h)anthracene (Q)	53-70-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	2,000	NA	2600		<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Fluoranthene	206-44-0	NA	7.3E+5	5,500	1.0E+9 (D)	7.4E+8	7.4E+8	7.4E+8	9.3E+9	4.6E+7	NA	89000		1,000	<300	<300	500	<300	2,400	500	<300	3,600	<300	900
Fluorene	86-73-7	NA	3.9E+5	5,300	5.8E+8	1.3E+8	1.3E+8	1.3E+8	9.3E+9	2.7E+7	NA	64000		<300	<300	<300	<300	<300	<500	<300	<300	2,000	<300	<300
2-Methylnaphthalene	91-57-6	NA	57,000	4,200	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	1.30E+05		<300	<300	<300	<300	<300	<500	<300	<300	11,300	<300	<300
Naphthalene	91-20-3	NA	35,000	730	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	14000		<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Phenanthrene	85-01-8	NA	56,000	2,100	2.8E+6	1.6E+5	1.6E+5	1.6E+5	6.7E+6	1.6E+6	NA	2.50E+05		500	<300	<300	400	<300	1,500	300	<300	4,600	<300	700
All Remaining PNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Volatiles, VOCs ug/Kg																								
Benzene (I)	71-43-2	NA	100	4,000 (X)	1,600	13,000	34,000	79,000	3.8E+8	1.8E+5	4.0E+5	340		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon tetrachloride	56-23-5	NA	100	760 (X)	190	3,500	12,000	28,000	1.3E+8	96,000	3.9E+5	540		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	67-66-3	NA	1,600 (W)	7,000	7,200	45,000	1.2E+5	2.7E+5	1.3E+9	1.2E+6	1.5E+6	2300		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene (I)	100-41-4	NA	1,500	360	87,000	7.2E+5	1.0E+6	2.2E+6	1.0E+10	1.4E+5 (C)	1.4E+5	7900		<60	<70	<50	<70	<60	<50	<60	<60	130	<60	<60
Methylene chloride	75-09-2	NA	100	30,000 (X)	45,000	2.1E+5	5.9E+5	1.4E+6	6.6E+9	1.3E+6	2.3E+6	1600		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Methylnaphthalene	91-57-6	NA	57,000	4,200	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	1.10E+05		<400	<500	<400	<400	<400	<400	<400	<400	500	<400	<400
Naphthalene	91-20-3	NA	35,000	730	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	31000		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethylene	127-18-4	NA	100	1,200 (X)	11,000	1.8E+5	4.8E+5	1.1E+6	5.4E+9	88,000 (C)	88,000	170		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene (I)	108-88-3	NA	16,000	5,400	2.5E+5 (C)	2.8E+6	5.1E+6	1.2E+7	2.7E+10	2.5E+5 (C)	2.5E+5	7000		<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	200
Trichloroethylene	79-01-6	NA	100	4,000 (X)	7,100	78,000	1.7E+5	3.9E+5	1.8E+9	5.0E+5 (C,DD)	5.0E+5	480		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene*	526-73-8	NA	1,800	570	94,000 (C)	1.6E+7	3.8E+8	3.8E+8	8.2E+10	94,000 (C)	94,000	1000		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene (I)	95-63-6	NA	2,100	570	1.1E+5 (C)	2.1E+7	5.0E+8	5.0E+8	8.2E+10	1.1E+5 (C)	1.1E+5	3000		<100	<100	<100	<100	<100	<100	<100	<100	100	<100	<100
Xylenes (I)	1330-20-7	NA	5,600	980	1.5E+5 (C)	4.6E+7	6.1E+7	1.3E+8	2.9E+11	1.5E+5 (C)	1.5E+5	14390		<160	<170	<150	<170	<160	<150	<160	<160	470	<160	500
All Remaining VOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

AKT PEERLESS™
ENVIRONMENTAL SERVICES

Table 1: Summary of Soil Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#10	#11	#12	#14	#15	#16	#17	#18	#19	#20		Parcel ID:	D	D	D	D	D	D	C	C	C	C
Parameters*	**Chemical Abstract Service Number**	**Statewide Default Background Levels**	**Residential Drinking Water Protection Criteria and RBSLs**	**Groundwater Surface Water Interface Protection Criteria and RBSLs**	**Residential Soil Volatilization to Indoor Air Inhalation Criteria and RBSLs**	**Residential Infinite Source Volatile Soil Inhalation Criteria (VSIC) and RBSLs**	**Residential Finite VSIC for 5 Meter Source Thickness**	**Residential Finite VSIC for 2 Meter Source Thickness**	**Residential Particulate Soil Inhalation Criteria and RBSLs**	**Residential Direct Contact Criteria and RBSLs**	**Residential Soil Saturation Concentration Screening Levels**	**Maximum Concentration Detected**	**Sample Location**	**FD-3 (D-7S)**	**D-7D**	**D-8**	**D-9**	**D-10**	**D-11**	**C-1**	**C-1**	**C-2**	**C-3**
													Collection Date	**03/16/2010**	**03/16/2010**	**03/17/2010**	**03/16/2010**	**03/16/2010**	**03/16/2010**	**03/18/2010**	**03/18/2010**	**03/18/2010**	**03/18/2010**
**(Refer to detailed laboratory report for method reference data)*													**Depth (ft)**	**3-4'**	**15-16'**	**4-6'**	**1-3'**	**6-7'**	**2-3'**	**0.5-1.0'**	**2-4'**	**12.5-14.5'**	**8-10'**
Metals ug/Kg																							
Aluminum (B)	7429-90-5	6.90E+06	**1,000**	NA	NLV	NLV	NLV	NLV	ID	**5.0E+7 (DD)**	NA	**8.90E+07**		**1,760,000**	**2,210,000**	NT	**1,550,000**	**1,760,000**	**2,870,000**	NS	**1,460,000**	NS	NS
Antimony	7440-36-0	NA	**4,300**	94,000 (X)	NLV	NLV	NLV	NLV	1.3E+7	1.8E+5	NA	**18000**		**630**	<500	NT	**2,770**	<500	**680**	NS	<500	NS	NS
Arsenic	7440-38-2	5,800	**4,600**	**4,600**	NLV	NLV	NLV	NLV	7.2E+5	**7,600**	NA	**3.90E+05**		**6,390**	**980**	**10,500**	**5,650**	**4,880**	**4,240**	**3,710**	**1,180**	NS	**670**
Cadmium (B)	7440-43-9	1,200	**6,000**	(G,X)	NLV	NLV	NLV	NLV	1.7E+6	5.5E+5	NA	**7520**		**280**	<200	**7,520**	960	**280**	**330**	<200	<200	<200	<200
Chromium, Total	7440-47-3	18,000 (total)	**30,000**	**3,300**	NLV	NLV	NLV	NLV	**2.6E+5**	**2.5E+6**	NA	**2.51E+06**		**7,300**	**4,600**	**71,800**	**372,000**	**5,140**	**52,600**	**2,200**	**1,530**	**6,580**	**5,140**
Cobalt	7440-48-4	6,800	**800**	**2,000**	NLV	NLV	NLV	NLV	1.3E+7	2.6E+6	NA	**35000**		**2,870**	**4,620**	NT	**22,600**	**2,760**	**7,340**	NS	**2,330**	NS	NS
Copper (B)	7440-50-8	32,000	**5.8E+6**	**(G)**	NLV	NLV	NLV	NLV	1.3E+8	2.0E+7	NA	**7.21E+06**		**80,200**	**10,600**	**1,160,000**	**782,000**	**28,100**	**188,000**	**9,790**	**1,470**	NS	**1,620**
Iron (B)	7439-89-6	1.2E+7	**6,000**	NA	NLV	NLV	NLV	NLV	ID	**1.6E+8**	NA	**6.60E+08**		**7,950,000**	**6,720,000**	NT	**101,000,000**	**5,320,000**	**25,000,000**	NS	**2,470,000**	NS	NS
Lead (B)	7439-92-1	21,000	**7.0E+5**	(G,X)	NLV	NLV	NLV	NLV	1.0E+8	**4.0E+5**	NA	**2.73E+07**		**124,000**	**5,630**	**27,300,000**	**2,640,000**	**68,600**	**324,000**	**50,900**	**6,300**	**3,340**	**2,350**
Magnesium (B)	7439-95-4	NA	**8.0E+6**	NA	NLV	NLV	NLV	NLV	6.7E+9	1.0E+9 (D)	NA	**3.60E+07**		**3,300,000**	**12,300,000**	NT	**6,740,000**	**5,650,000**	**7,700,000**	NS	**271,000**	NS	NS
Manganese (B)	7439-96-5	4.4E+5	**1,000**	(G,X)	NLV	NLV	NLV	NLV	3.3E+6	2.5E+7	NA	**3.00E+06**		**192,000**	**283,000**	NT	**1,230,000**	**218,000**	**284,000**	NS	**241,000**	NS	NS
Mercury, Total	7439-97-6	130	**1,700**	**50 (M); 1.2**	48,000	52,000	52,000	52,000	2.0E+7	1.6E+5	NA	**2600**		**423**	<50	72	**2,735**	**167**	**819**	**81**	<50	NS	<50
Nickel (B)	7440-02-0	20,000	**1.0E+5**	(G)	NLV	NLV	NLV	NLV	1.3E+7	4.0E+7	NA	**7.95+05**		**10,600**	**8,890**	NT	**211,000**	**8,750**	**48,500**	NS	**2,060**	NS	NS
Selenium (B)	7782-49-2	410	**4,000**	**400**	NLV	NLV	NLV	NLV	1.3E+8	2.6E+6	NA	**4100**		<500	<500	<500	<500	<500	<500	<500	<500	NS	<500
Silver (B)	7440-22-4	1,000	4,500	**100 (M); 27**	NLV	NLV	NLV	NLV	6.7E+6	2.5E+6	NA	**1200**		<200	<200	**1,340**	**570**	<200	<200	<200	<200	NS	<200
Vanadium	7440-62-2	NA	**72,000**	**1.9E+5**	NLV	NLV	NLV	NLV	ID	7.5E+5 (DD)	NA	**2.50E+05**		**6,340**	**6,450**	NT	**33,100**	**5,860**	**10,800**	NS	**3,210**	NS	NS
Zinc (B)	7440-66-6	47,000	**2.4E+6**	(G)	NLV	NLV	NLV	NLV	ID	1.7E+8	NA	**3.10E+07**		**73,100**	**22,800**	**31,000,000**	**521,000**	**54,900**	**208,000**	**142,000**	**5,720**	NS	**2,650**
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semivolatiles, BNAs ug/Kg																							
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**20600**		<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
All Remaining BNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	<300	<300	<300	<300
Semivolatiles, PNAs ug/Kg																							
Acenaphthene	83-32-9	NA	3.0E+5	**8,700**	1.9E+8	8.1E+7	8.1E+7	8.1E+7	1.4E+10	4.1E+7	NA	**1.30E+05**		<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Acenaphthylene	208-96-8	NA	**5,900**	ID	1.6E+6	2.2E+6	2.2E+6	2.2E+6	2.3E+9	1.6E+6	NA	**8000**		<300	<300	<300	<300	<300	**300**	<300	<300	<300	<300
Anthracene	120-12-7	NA	**41,000**	ID	1.0E+9 (D)	1.4E+9	1.4E+9	1.4E+9	6.7E+10	2.3E+8	NA	**71000**		**500**	<300	<300	**1,100**	<300	**600**	<300	<300	<300	<300
Benzo(a)anthracene (Q)	56-55-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**20,000**	NA	**47000**		**1,000**	<300	<300	**3,400**	**600**	**1,300**	<300	<300	<300	<300
Benzo(a)pyrene (Q)	50-32-8	NA	NLL	NLL	NLV	NLV	NLV	NLV	1.5E+6	**2,000**	NA	**41000**		**1,200**	<300	<300	**3,700**	**700**	**1,400**	<300	<300	<300	<300
Benzo(b)fluoranthene (Q)	205-99-2	NA	NLL	NLL	ID	ID	ID	ID	ID	**20,000**	NA	**23000**		**1,300**	<300	<300	**3,700**	**600**	**1,300**	<300	<300	<300	<300
Dibenzo(a,h)anthracene (Q)	53-70-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**2,000**	NA	**2600**		<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Fluoranthene	206-44-0	NA	7.3E+5	**5,500**	1.0E+9 (D)	7.4E+8	7.4E+8	7.4E+8	9.3E+9	4.6E+7	NA	**89000**		**2,100**	<300	<300	**7,200**	**1,100**	**2,900**	<300	<300	<300	<300
Fluorene	86-73-7	NA	3.9E+5	**5,300**	5.8E+8	1.3E+8	1.3E+8	1.3E+8	9.3E+9	2.7E+7	NA	**64000**		<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.30E+05**		<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**14000**		<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Phenanthrene	85-01-8	NA	**56,000**	**2,100**	2.8E+6	**1.6E+5**	**1.6E+5**	**1.6E+5**	6.7E+6	1.6E+6	NA	**2.50E+05**		**1,600**	<300	<300	**4,700**	**400**	**2,300**	<300	<300	<300	<300
All Remaining PNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Volatiles, VOCs ug/Kg																							
Benzene (I)	71-43-2	NA	**100**	4,000 (X)	1,600	13,000	34,000	79,000	3.8E+8	1.8E+5	4.0E+5	**340**		BDL	BDL	BDL	BDL	BDL	BDL	<60	<60	<60	<60
Carbon tetrachloride	56-23-5	NA	**100**	760 (X)	**190**	3,500	12,000	28,000	1.3E+8	96,000	3.9E+5	**540**		BDL	BDL	BDL	BDL	BDL	BDL	<60	<60	<60	<60
Chloroform	67-66-3	NA	**1,600 (W)**	7,000	7,200	45,000	1.2E+5	2.7E+5	1.3E+9	1.2E+6	1.5E+6	**2300**		BDL	BDL	BDL	BDL	BDL	BDL	<60	<60	<60	<60
Ethylbenzene (I)	100-41-4	NA	**1,500**	**360**	87,000	7.2E+5	1.0E+6	2.2E+6	1.0E+10	1.4E+5 (C)	1.4E+5	**7900**		<60	<50	<70	<70	<60	<70	<60	<60	<60	<60
Methylene chloride	75-09-2	NA	**100**	30,000 (X)	45,000	2.1E+5	5.9E+5	1.4E+6	6.6E+9	1.3E+6	2.3E+6	**1600**		BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	NS	NS
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.10E+05**		<400	<400	<400	<500	<400	<500	<100	<100	<100	<100
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**31000**		BDL	BDL	BDL	BDL	BDL	BDL	<400	<400	<400	<400
Tetrachloroethylene	127-18-4	NA	**100**	1,200 (X)	11,000	1.8E+5	4.8E+5	1.1E+6	5.4E+9	88,000 (C)	88,000	**170**		BDL	BDL	BDL	BDL	BDL	BDL	<60	<60	<60	<60
Toluene (I)	108-88-3	NA	16,000	**5,400**	2.5E+5 (C)	2.8E+6	5.1E+6	1.2E+7	2.7E+10	2.5E+5 (C)	2.5E+5	**7000**		**200**	<100	<100	<100	<100	<100	<100	<100	<100	<100
Trichloroethylene	79-01-6	NA	**100**	4,000 (X)	7,100	78,000	1.7E+5	3.9E+5	1.8E+9	5.0E+5 (C,DD)	5.0E+5	**480**		BDL	BDL	BDL	BDL	BDL	BDL	<60	<60	<60	<60
1,2,3-Trimethylbenzene*	526-73-8	NA	1,800	**570**	94,000 (C)	1.6E+7	3.8E+8	3.8E+8	8.2E+10	94,000 (C)	94,000	**1000**		BDL	BDL	BDL	BDL	BDL	BDL	<100	<100	<100	<100
1,2,4-Trimethylbenzene (I)	95-63-6	NA	**2,100**	**570**	1.1E+5 (C)	2.1E+7	5.0E+8	5.0E+8	8.2E+10	1.1E+5 (C)	1.1E+5	**3000**		<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Xylenes (I)	1330-20-7	NA	**5,600**	**980**	1.5E+5 (C)	4.6E+7	6.1E+7	1.3E+8	2.9E+11	1.5E+5 (C)	1.5E+5	**14390**		**390**	<150	<170	<170	<160	**80**	<160	<160	<160	<160
All Remaining VOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

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ENVIRONMENTAL SERVICES

Table 1: Summary of Soil Analytical Results
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Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#10	#11	#12	#14	#15	#16	#17	#18	#19	#20		Parcel ID:	C	C	C	C	C	C	C	C	C	C
Parameters*	**Chemical Abstract Service Number**	**Statewide Default Background Levels**	**Residential Drinking Water Protection Criteria and RBSLs**	**Groundwater Surface Water Interface Protection Criteria and RBSLs**	**Residential Soil Volatilization to Indoor Air Inhalation Criteria and RBSLs**	**Residential Infinite Source Volatile Soil Inhalation Criteria (VSIC) and RBSLs**	**Residential Finite VSIC for 5 Meter Source Thickness**	**Residential Finite VSIC for 2 Meter Source Thickness**	**Residential Particulate Soil Inhalation Criteria and RBSLs**	**Residential Direct Contact Criteria and RBSLs**	**Residential Soil Saturation Concentration Screening Levels**	**Maximum Concentration Detected**	**Sample Location**	**C-4**	**C-4**	**C-5**	**C-5**	**C-6**	**C-6**	**C-7**	**C-7**	**C-8**	**CITH-WMW-27**	**CITH-WMW-28**
													Collection Date	**03/18/2010**	**03/18/2010**	**03/18/2010**	**03/18/2010**	**03/18/2010**	**03/18/2010**	**03/18/2010**	**03/18/2010**	**03/18/2010**	**8/19/2013**	**8/16/2013**
**(Refer to detailed laboratory report for method reference data)*													**Depth (ft)**	**5-7'**	**12-14'**	**8-10'**	**14.5-16.5'**	**3-5'**	**7-9'**	**3-5'**	**11-13'**	**7-9'**	**15-16**	**23-24'**
Metals ug/Kg																								
Aluminum (B)	7429-90-5	6.90E+06	**1,000**	NA	NLV	NLV	NLV	NLV	ID	**5.0E+7 (DD)**	NA	**8.90E+07**		NS	NS	NS	NS	**2,510,000**	NS	NS	NS	NS	**3,100,000**	**1,900,000**
Antimony	7440-36-0	NA	**4,300**	94,000 (X)	NLV	NLV	NLV	NLV	1.3E+7	1.8E+5	NA	**18000**		NS	NS	NS	NS	<500	NS	NS	NS	NS	**120**	**89**
Arsenic	7440-38-2	5,800	**4,600**	**4,600**	NLV	NLV	NLV	NLV	7.2E+5	**7,600**	NA	**3.90E+05**		**2,990**	**860**	NS	NS	**1,520**	**1,380**	**760**	**420**	**1,200**	**4,500**	**4,300**
Cadmium (B)	7440-43-9	1,200	**6,000**	(G,X)	NLV	NLV	NLV	NLV	1.7E+6	5.5E+5	NA	**7520**		<200	<200	<200	<200	<200	**260**	<200	<200	<200	**58**	**120**
Chromium, Total	7440-47-3	18,000 (total)	**30,000**	**3,300**	NLV	NLV	NLV	NLV	**2.6E+5**	**2.5E+6**	NA	**2.51E+06**		**1,880**	**2,500**	**3,760**	**7,750**	**3,230**	**3,830**	**2,610**	**720**	**1,790**	**5,000**	**3,400**
Cobalt	7440-48-4	6,800	**800**	**2,000**	NLV	NLV	NLV	NLV	1.3E+7	2.6E+6	NA	**35000**		NS	NS	NS	NS	**7,290**	NS	NS	NS	NS	**3,700**	**3,100**
Copper (B)	7440-50-8	32,000	**5.8E+6**	**(G)**	NLV	NLV	NLV	NLV	1.3E+8	2.0E+7	NA	**7.21E+06**		**5,010**	**1,620**	NS	NS	**4,470**	**4,430**	**2,020**	<1,000	**2,890**	**5,800**	**4,100**
Iron (B)	7439-89-6	1.2E+7	**6,000**	NA	NLV	NLV	NLV	NLV	ID	**1.6E+8**	NA	**6.60E+08**		NS	NS	NS	NS	**3,850,000**	NS	NS	NS	NS	**8,200,000**	**6,400,000**
Lead (B)	7439-92-1	21,000	**7.0E+5**	(G,X)	NLV	NLV	NLV	NLV	1.0E+8	**4.0E+5**	NA	**2.73E+07**		**14,500**	**3,490**	**6,460**	**9,110**	**163,000**	**822,000**	**9,580**	**1,360**	**6,730**	**3,600**	**2,100**
Magnesium (B)	7439-95-4	NA	**8.0E+6**	NA	NLV	NLV	NLV	NLV	6.7E+9	1.0E+9 (D)	NA	**3.60E+07**		NS	NS	NS	NS	**1,180,000**	NS	NS	NS	NS	**17,000,000**	**9,800,000**
Manganese (B)	7439-96-5	4.4E+5	**1,000**	(G,X)	NLV	NLV	NLV	NLV	3.3E+6	2.5E+7	NA	**3.00E+06**		NS	NS	NS	NS	**377,000**	NS	NS	NS	NS	**190,000**	**290,000**
Mercury, Total	7439-97-6	130	**1,700**	**50 (M); 1.2**	48,000	52,000	52,000	52,000	2.0E+7	1.6E+5	NA	**2600**		**52**	<50	NS	NS	<50	**103**	<50	<50	<50	**9.5**	ND
Nickel (B)	7440-02-0	20,000	**1.0E+5**	(G)	NLV	NLV	NLV	NLV	1.3E+7	4.0E+7	NA	**7.95+05**		NS	NS	NS	NS	**9,010**	NS	NS	NS	NS	**8,000**	**12,000**
Selenium (B)	7782-49-2	410	**4,000**	**400**	NLV	NLV	NLV	NLV	1.3E+8	2.6E+6	NA	**4100**		<500	<500	NS	NS	<500	<500	<500	<500	<500	**250**	**110**
Silver (B)	7440-22-4	1,000	4,500	**100 (M); 27**	NLV	NLV	NLV	NLV	6.7E+6	2.5E+6	NA	**1200**		<200	<200	NS	NS	<200	<200	<200	<200	<200	ND	ND
Vanadium	7440-62-2	NA	**72,000**	**1.9E+5**	NLV	NLV	NLV	NLV	ID	7.5E+5 (DD)	NA	**2.50E+05**		NS	NS	NS	NS	**6,870**	NS	NS	NS	NS	**9,300**	**6,400**
Zinc (B)	7440-66-6	47,000	**2.4E+6**	(G)	NLV	NLV	NLV	NLV	ID	1.7E+8	NA	**3.10E+07**		**10,700**	**4,780**	NS	NS	**41,700**	**45,800**	**5,420**	**6,860**	**5,870**	**20,000**	**13,000**
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semivolatiles, BNAs ug/Kg																								
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**20600**		<300	<300	<300	<300	<300	<300	<300	<300	<300	NS	NS
All Remaining BNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		<300	<300	<300	<300	<300	<300	<300	<300	<300	NS	NS
Semivolatiles, PNAs ug/Kg																								
Acenaphthene	83-32-9	NA	3.0E+5	**8,700**	1.9E+8	8.1E+7	8.1E+7	8.1E+7	1.4E+10	4.1E+7	NA	**1.30E+05**		<300	<300	<300	<300	<300	<300	<300	<300	<300	ND	ND
Acenaphthylene	208-96-8	NA	**5,900**	ID	1.6E+6	2.2E+6	2.2E+6	2.2E+6	2.3E+9	1.6E+6	NA	**8000**		<300	<300	<300	<300	<300	<300	<300	<300	<300	ND	ND
Anthracene	120-12-7	NA	**41,000**	ID	1.0E+9 (D)	1.4E+9	1.4E+9	1.4E+9	6.7E+10	2.3E+8	NA	**71000**		<300	<300	<300	<300	<300	<300	<300	<300	<300	ND	ND
Benzo(a)anthracene (Q)	56-55-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**20,000**	NA	**47000**		<300	<300	<300	<300	<300	<300	<300	<300	<300	**1.8**	ND
Benzo(a)pyrene (Q)	50-32-8	NA	NLL	NLL	NLV	NLV	NLV	NLV	1.5E+6	**2,000**	NA	**41000**		<300	<300	<300	<300	<300	<300	<300	<300	<300	ND	ND
Benzo(b)fluoranthene (Q)	205-99-2	NA	NLL	NLL	ID	ID	ID	ID	ID	**20,000**	NA	**23000**		<300	<300	<300	<300	<300	<300	<300	<300	<300	ND	ND
Dibenzo(a,h)anthracene (Q)	53-70-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**2,000**	NA	**2600**		<300	<300	<300	<300	<300	<300	<300	<300	<300	ND	ND
Fluoranthene	206-44-0	NA	7.3E+5	**5,500**	1.0E+9 (D)	7.4E+8	7.4E+8	7.4E+8	9.3E+9	4.6E+7	NA	**89000**		<300	<300	<300	<300	<300	<300	<300	<300	<300	**1.4**	ND
Fluorene	86-73-7	NA	3.9E+5	**5,300**	5.8E+8	1.3E+8	1.3E+8	1.3E+8	9.3E+9	2.7E+7	NA	**64000**		<300	<300	<300	<300	<300	<300	<300	<300	<300	ND	ND
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.30E+05**		<300	<300	<300	<300	<300	<300	<300	<300	<300	ND	ND
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**14000**		<300	<300	<300	<300	<300	<300	<300	<300	<300	**1.4**	ND
Phenanthrene	85-01-8	NA	**56,000**	**2,100**	2.8E+6	**1.6E+5**	**1.6E+5**	**1.6E+5**	6.7E+6	1.6E+6	NA	**2.50E+05**		<300	<300	<300	<300	<300	<300	<300	<300	<300	**1.8**	ND
All Remaining PNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Volatiles, VOCs ug/Kg																								
Benzene (I)	71-43-2	NA	**100**	4,000 (X)	1,600	13,000	34,000	79,000	3.8E+8	1.8E+5	4.0E+5	**340**		<60	<70	<60	<70	<70	<60	<60	<60	<60	ND	ND
Carbon tetrachloride	56-23-5	NA	**100**	760 (X)	**190**	3,500	12,000	28,000	1.3E+8	96,000	3.9E+5	**540**		<60	<70	<60	<70	<70	<60	<60	<60	<60	ND	ND
Chloroform	67-66-3	NA	**1,600 (W)**	7,000	7,200	45,000	1.2E+5	2.7E+5	1.3E+9	1.2E+6	1.5E+6	**2300**		<60	<70	<60	<70	<70	<60	<60	<60	<60	ND	ND
Ethylbenzene (I)	100-41-4	NA	**1,500**	**360**	87,000	7.2E+5	1.0E+6	2.2E+6	1.0E+10	1.4E+5 (C)	1.4E+5	**7900**		<60	<70	<60	<70	<70	<60	<60	<60	<60	ND	ND
Methylene chloride	75-09-2	NA	**100**	30,000 (X)	45,000	2.1E+5	5.9E+5	1.4E+6	6.6E+9	1.3E+6	2.3E+6	**1600**		NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.10E+05**		<100	<100	<100	<100	<100	<100	<100	<100	<100	NS	NS
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**31000**		<400	<500	<400	<500	<500	<400	<400	<400	<400	NS	NS
Tetrachloroethylene	127-18-4	NA	**100**	1,200 (X)	11,000	1.8E+5	4.8E+5	1.1E+6	5.4E+9	88,000 (C)	88,000	**170**		<60	<70	<60	<70	<70	<60	<60	<60	<60	**120**	ND
Toluene (I)	108-88-3	NA	16,000	**5,400**	2.5E+5 (C)	2.8E+6	5.1E+6	1.2E+7	2.7E+10	2.5E+5 (C)	2.5E+5	**7000**		<100	<100	<100	<100	<100	<100	<100	<100	<100	ND	ND
Trichloroethylene	79-01-6	NA	**100**	4,000 (X)	7,100	78,000	1.7E+5	3.9E+5	1.8E+9	5.0E+5 (C,DD)	5.0E+5	**480**		<60	<70	<60	<70	<70	<60	<60	<60	<60	ND	ND
1,2,3-Trimethylbenzene*	526-73-8	NA	1,800	**570**	94,000 (C)	1.6E+7	3.8E+8	3.8E+8	8.2E+10	94,000 (C)	94,000	**1000**		<100	<100	<100	<100	<100	<100	<100	<100	<100	NS	NS
1,2,4-Trimethylbenzene (I)	95-63-6	NA	**2,100**	**570**	1.1E+5 (C)	2.1E+7	5.0E+8	5.0E+8	8.2E+10	1.1E+5 (C)	1.1E+5	**3000**		<100	<100	<100	<100	<100	<100	<100	<100	<100	NS	NS
Xylenes (I)	1330-20-7	NA	**5,600**	**980**	1.5E+5 (C)	4.6E+7	6.1E+7	1.3E+8	2.9E+11	1.5E+5 (C)	1.5E+5	**14390**		<160	<170	<160	<170	<170	<160	<160	<160	<160	ND	ND
All Remaining VOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

AKT PEERLESS™
ENVIRONMENTAL SERVICES

Table 1: Summary of Soil Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#10	#11	#12	#14	#15	#16	#17	#18	#19	#20		Parcel ID:	C	C	D	D	D	D	D	D	D	D
Parameters*	**Chemical Abstract Service Number**	**Statewide Default Background Levels**	**Residential Drinking Water Protection Criteria and RBSLs**	**Groundwater Surface Water Interface Protection Criteria and RBSLs**	**Residential Soil Volatilization to Indoor Air Inhalation Criteria and RBSLs**	**Residential Infinite Source Volatile Soil Inhalation Criteria (VSIC) and RBSLs**	**Residential Finite VSIC for 5 Meter Source Thickness**	**Residential Finite VSIC for 2 Meter Source Thickness**	**Residential Particulate Soil Inhalation Criteria and RBSLs**	**Residential Direct Contact Criteria and RBSLs**	**Residential Soil Saturation Concentration Screening Levels**	**Maximum Concentration Detected**	**Sample Location**	**CITH-WMW-29**	**CITH-WMW-30**	**CITH-WMW-1**	**CITH-WMW-2**	**CITH-WMW-3**	**CITH-WMW-4**	**CITH-WMW-5**	**WMW-32**	**WMW-33**	**WMW-34**	**WMW-35**
													Collection Date	**8/15/2013**	**8/16/2013**	**8/13/2013**	**8/13/2013**	**8/14/2013**	**8/13/2013**	**8/13/2013**	**05/21/2014**	**06/02/2014**	**05/21/2014**	**05/21/2014**
**(Refer to detailed laboratory report for method reference data)*													**Depth (ft)**	**34-35'**	**8-9'**	**7-8'**	**8-9'**	**24-25'**	**13-14'**	**6-7'**	**5-6'**	**6-7'**	**12-14'**	**5-6'**
Metals ug/Kg																								
Aluminum (B)	7429-90-5	6.90E+06	**1,000**	NA	NLV	NLV	NLV	NLV	ID	**5.0E+7 (DD)**	NA	**8.90E+07**		**2,100,000**	**3,500,000**	**2,300,000**	**2,800,000**	**1,300,000**	**5,400,000**	**3,500,000**	NS	NS	NS	NS
Antimony	7440-36-0	NA	**4,300**	94,000 (X)	NLV	NLV	NLV	NLV	1.3E+7	1.8E+5	NA	**18000**		**77**	**990**	**110**	**160**	**52**	**74**	**190**	NS	NS	NS	NS
Arsenic	7440-38-2	5,800	**4,600**	**4,600**	NLV	NLV	NLV	NLV	7.2E+5	**7,600**	NA	**3.90E+05**		**2,100**	**68,000**	**2,000**	**7,700**	**1,100**	**5,300**	**13,000**	**800**	**4,730**	**2,060**	**710**
Cadmium (B)	7440-43-9	1,200	**6,000**	(G,X)	NLV	NLV	NLV	NLV	1.7E+6	5.5E+5	NA	**7520**		**86**	**200**	**70**	**79**	**19**	**37**	**150**	NS	NS	NS	NS
Chromium, Total	7440-47-3	18,000 (total)	**30,000**	**3,300**	NLV	NLV	NLV	NLV	**2.6E+5**	**2.5E+6**	NA	**2.51E+06**		**4,500**	**9,400**	**4,400**	**6,700**	**4,000**	**9,200**	**9,500**	NS	NS	NS	NS
Cobalt	7440-48-4	6,800	**800**	**2,000**	NLV	NLV	NLV	NLV	1.3E+7	2.6E+6	NA	**35000**		**1,800**	**15,000**	**2,500**	**3,600**	**1,400**	**4,100**	**4,800**	NS	NS	NS	NS
Copper (B)	7440-50-8	32,000	**5.8E+6**	**(G)**	NLV	NLV	NLV	NLV	1.3E+8	2.0E+7	NA	**7.21E+06**		**2,500**	**22,000**	**4,900**	**9,300**	**1,800**	**4,500**	**5,900**	NS	NS	NS	NS
Iron (B)	7439-89-6	1.2E+7	**6,000**	NA	NLV	NLV	NLV	NLV	ID	**1.6E+8**	NA	**6.60E+08**		**6,900,000**	**62,000**	**6,100,000**	**11,000,000**	**9,200,000**	**12,000,000**	**15,000,000**	NS	NS	NS	NS
Lead (B)	7439-92-1	21,000	**7.0E+5**	(G,X)	NLV	NLV	NLV	NLV	1.0E+8	**4.0E+5**	NA	**2.73E+07**		**2,200**	**56,000**	**5,100**	**8,200**	**1,600**	**4,500**	**4,800**	**2,470**	**68,100**	**21,300**	**8,900**
Magnesium (B)	7439-95-4	NA	**8.0E+6**	NA	NLV	NLV	NLV	NLV	6.7E+9	1.0E+9 (D)	NA	**3.60E+07**		**12,000,000**	**17,000,000**	**10,000,000**	**14,000,000**	**9,700,000**	**7,800,000**	**19,000,000**	NS	NS	NS	NS
Manganese (B)	7439-96-5	4.4E+5	**1,000**	(G,X)	NLV	NLV	NLV	NLV	3.3E+6	2.5E+7	NA	**3.00E+06**		**140,000**	**470,000**	**150,000**	**270,000**	**74,000**	**210,000**	**330,000**	NS	NS	NS	NS
Mercury, Total	7439-97-6	130	**1,700**	**50 (M); 1.2**	48,000	52,000	52,000	52,000	2.0E+7	1.6E+5	NA	**2600**		ND	**65**	ND	**13**	ND	**14**	ND	NS	NS	NS	NS
Nickel (B)	7440-02-0	20,000	**1.0E+5**	(G)	NLV	NLV	NLV	NLV	1.3E+7	4.0E+7	NA	**7.95+05**		**5,300**	**21,000**	**6,300**	**9,000**	**4,400**	**8,300**	**13,000**	NS	NS	NS	NS
Selenium (B)	7782-49-2	410	**4,000**	**400**	NLV	NLV	NLV	NLV	1.3E+8	2.6E+6	NA	**4100**		ND	**210**	**210**	**170**	ND	**260**	**360**	NS	NS	NS	NS
Silver (B)	7440-22-4	1,000	4,500	**100 (M); 27**	NLV	NLV	NLV	NLV	6.7E+6	2.5E+6	NA	**1200**		ND	**100**	ND	**150**	ND	ND	**61**	NS	NS	NS	NS
Vanadium	7440-62-2	NA	**72,000**	**1.9E+5**	NLV	NLV	NLV	NLV	ID	7.5E+5 (DD)	NA	**2.50E+05**		**5,100**	**17,000**	**8,100**	**14,000**	**5,500**	**14,000**	**13,000**	NS	NS	NS	NS
Zinc (B)	7440-66-6	47,000	**2.4E+6**	(G)	NLV	NLV	NLV	NLV	ID	1.7E+8	NA	**3.10E+07**		**34,000**	**100,000**	**20,000**	**32,000**	**11,000**	**63,000**	**28,000**	NS	NS	NS	NS
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semivolatiles, BNAs ug/Kg																								
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**20600**		NS	NS	NS	NS	NS	NS	NS	<300	<300	<300	<300
All Remaining BNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	NS	NS	NS	NS	NS	NS	<300	<300	<300	<300
Semivolatiles, PNAs ug/Kg																								
Acenaphthene	83-32-9	NA	3.0E+5	**8,700**	1.9E+8	8.1E+7	8.1E+7	8.1E+7	1.4E+10	4.1E+7	NA	**1.30E+05**		**0.75**	ND	ND	ND	ND	**0.88**	**3.9**	<300	<300	<300	<300
Acenaphthylene	208-96-8	NA	**5,900**	ID	1.6E+6	2.2E+6	2.2E+6	2.2E+6	2.3E+9	1.6E+6	NA	**8000**		ND	ND	ND	ND	ND	ND	ND	<300	<300	<300	<300
Anthracene	120-12-7	NA	**41,000**	ID	1.0E+9 (D)	1.4E+9	1.4E+9	1.4E+9	6.7E+10	2.3E+8	NA	**71000**		**1.1**	ND	ND	ND	ND	ND	**6.3**	<300	<300	<300	<300
Benzo(a)anthracene (Q)	56-55-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**20,000**	NA	**47000**		**2.6**	**1.9**	ND	**1.8**	**1.2**	ND	**13**	<300	<300	<300	<300
Benzo(a)pyrene (Q)	50-32-8	NA	NLL	NLL	NLV	NLV	NLV	NLV	1.5E+6	**2,000**	NA	**41000**		**1.9**	**1.1**	ND	**1.1**	ND	ND	**7.5**	<300	<300	<300	<300
Benzo(b)fluoranthene (Q)	205-99-2	NA	NLL	NLL	ID	ID	ID	ID	ID	**20,000**	NA	**23000**		**2.3**	**2.2**	ND	**1.4**	ND	ND	**9.8**	<300	<300	<300	<300
Dibenzo(a,h)anthracene (Q)	53-70-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**2,000**	NA	**2600**		ND	ND	ND	ND	ND	ND	**2.4**	<300	<300	<300	<300
Fluoranthene	206-44-0	NA	7.3E+5	**5,500**	1.0E+9 (D)	7.4E+8	7.4E+8	7.4E+8	9.3E+9	4.6E+7	NA	**89000**		**3**	**1.9**	ND	**1.4**	**1.6**	ND	**25**	<300	**300**	<300	<300
Fluorene	86-73-7	NA	3.9E+5	**5,300**	5.8E+8	1.3E+8	1.3E+8	1.3E+8	9.3E+9	2.7E+7	NA	**64000**		**1.1**	ND	ND	ND	ND	ND	**7.1**	<300	<300	<300	<300
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.30E+05**		**3.4**	ND	ND	**11**	ND	ND	**20**	<300	<300	<300	<300
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**14000**		**1.5**	**0.75**	ND	**11**	ND	**0.88**	**4.3**	<300	<300	<300	<300
Phenanthrene	85-01-8	NA	**56,000**	**2,100**	2.8E+6	**1.6E+5**	**1.6E+5**	**1.6E+5**	6.7E+6	1.6E+6	NA	**2.50E+05**		**7.1**	**2.2**	ND	**2.1**	**2.4**	**1.3**	**42**	<300	<300	<300	<300
All Remaining PNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Volatiles, VOCs ug/Kg																								
Benzene (I)	71-43-2	NA	**100**	4,000 (X)	1,600	13,000	34,000	79,000	3.8E+8	1.8E+5	4.0E+5	**340**		ND	ND	ND	ND	ND	ND	ND	<60	<60	<60	<60
Carbon tetrachloride	56-23-5	NA	**100**	760 (X)	**190**	3,500	12,000	28,000	1.3E+8	96,000	3.9E+5	**540**		ND	ND	ND	ND	ND	ND	ND	<60	<60	<60	<60
Chloroform	67-66-3	NA	**1,600 (W)**	7,000	7,200	45,000	1.2E+5	2.7E+5	1.3E+9	1.2E+6	1.5E+6	**2300**		ND	ND	ND	ND	ND	ND	ND	<60	<60	<60	<60
Ethylbenzene (I)	100-41-4	NA	**1,500**	**360**	87,000	7.2E+5	1.0E+6	2.2E+6	1.0E+10	1.4E+5 (C)	1.4E+5	**7900**		ND	ND	ND	ND	ND	ND	ND	<60	<60	<60	<60
Methylene chloride	75-09-2	NA	**100**	30,000 (X)	45,000	2.1E+5	5.9E+5	1.4E+6	6.6E+9	1.3E+6	2.3E+6	**1600**		ND	ND	ND	ND	ND	ND	ND	<100	<100	<100	<100
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.10E+05**		NS	NS	NS	NS	NS	NS	NS	<430	<400	<390	<430
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**31000**		NS	NS	NS	NS	NS	NS	NS	<430	<400	<390	<430
Tetrachloroethylene	127-18-4	NA	**100**	1,200 (X)	11,000	1.8E+5	4.8E+5	1.1E+6	5.4E+9	88,000 (C)	88,000	**170**		ND	ND	ND	ND	ND	ND	ND	<60	<60	<60	<60
Toluene (I)	108-88-3	NA	16,000	**5,400**	2.5E+5 (C)	2.8E+6	5.1E+6	1.2E+7	2.7E+10	2.5E+5 (C)	2.5E+5	**7000**		ND	ND	ND	ND	ND	ND	ND	<100	<100	<100	<100
Trichloroethylene	79-01-6	NA	**100**	4,000 (X)	7,100	78,000	1.7E+5	3.9E+5	1.8E+9	5.0E+5 (C,DD)	5.0E+5	**480**		ND	ND	ND	ND	ND	ND	ND	<60	<60	<60	<60
1,2,3-Trimethylbenzene*	526-73-8	NA	1,800	**570**	94,000 (C)	1.6E+7	3.8E+8	3.8E+8	8.2E+10	94,000 (C)	94,000	**1000**		NS	NS	NS	NS	NS	NS	NS	<100	<100	<100	<100
1,2,4-Trimethylbenzene (I)	95-63-6	NA	**2,100**	**570**	1.1E+5 (C)	2.1E+7	5.0E+8	5.0E+8	8.2E+10	1.1E+5 (C)	1.1E+5	**3000**		NS	NS	NS	NS	NS	NS	NS	<100	<100	<100	<100
Xylenes (I)	1330-20-7	NA	**5,600**	**980**	1.5E+5 (C)	4.6E+7	6.1E+7	1.3E+8	2.9E+11	1.5E+5 (C)	1.5E+5	**14390**		ND	ND	ND	ND	ND	ND	ND	<160	<160	<160	<160
All Remaining VOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

AKT PEERLESS™
ENVIRONMENTAL SERVICES

Table 1: Summary of Soil Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#10	#11	#12	#14	#15	#16	#17	#18	#19	#20		Parcel ID:	E	E	E	E	E	E	E	I	I	E	E
Parameters*	**Chemical Abstract Service Number**	**Statewide Default Background Levels**	**Residential Drinking Water Protection Criteria and RBSLs**	**Groundwater Surface Water Interface Protection Criteria and RBSLs**	**Residential Soil Volatilization to Indoor Air Inhalation Criteria and RBSLs**	**Residential Infinite Source Volatile Soil Inhalation Criteria (VSIC) and RBSLs**	**Residential Finite VSIC for 5 Meter Source Thickness**	**Residential Finite VSIC for 2 Meter Source Thickness**	**Residential Particulate Soil Inhalation Criteria and RBSLs**	**Residential Direct Contact Criteria and RBSLs**	**Residential Soil Saturation Concentration Screening Levels**	**Maximum Concentration Detected**	**Sample Location**	**CITH-WMW-6**	**CITH-WMW-7**	**CITH-WMW-8**	**CITH-WMW-9**	**CITH-WMW-10**	**WMW-31**	**E-1**	**E-2**	**FD-1(E-2)**	**E-3**	**E-4**
													Collection Date	**8/15/2013**	**8/14/2013**	**8/15/2013**	**8/14/2013**	**8/14/2013**	**05/22/2014**	**03/15/2010**	**03/15/2010**	**03/15/2010**	**03/15/2010**	**03/15/2010**
**(Refer to detailed laboratory report for method reference data)*													**Depth (ft)**	**12-13'**	**2-3'**	**10-11'**	**24-25'**	**17-18'**	**4-5'**	**2-3'**	**4-6'**	**4-6'**	**1-2'**	**1-3'**
Metals ug/Kg																								
Aluminum (B)	7429-90-5	6.90E+06	**1,000**	NA	NLV	NLV	NLV	NLV	ID	**5.0E+7 (DD)**	NA	**8.90E+07**		**3,700,000**	**1,400,000**	**4,800,000**	**2,900,000**	**3,000,000**	NS	NT	**1,930,000**	**4,970,000**	NT	NT
Antimony	7440-36-0	NA	**4,300**	94,000 (X)	NLV	NLV	NLV	NLV	1.3E+7	1.8E+5	NA	**18000**		**270**	**18,000**	**7,300**	**270**	**120**	NS	NT	<500	<500	NT	NT
Arsenic	7440-38-2	5,800	**4,600**	**4,600**	NLV	NLV	NLV	NLV	7.2E+5	**7,600**	NA	**3.90E+05**		**4,100**	**46,000**	**6,900**	**5,000**	**3,800**	**20,500**	**2,400**	**8,590**	**2,760**	**2,520**	**690**
Cadmium (B)	7440-43-9	1,200	**6,000**	(G,X)	NLV	NLV	NLV	NLV	1.7E+6	5.5E+5	NA	**7520**		**170**	**920**	**250**	**61**	**77**	<200	**550**	**7,000**	**6,040**	**270**	<200
Chromium, Total	7440-47-3	18,000 (total)	**30,000**	**3,300**	NLV	NLV	NLV	NLV	**2.6E+5**	**2.5E+6**	NA	**2.51E+06**		**7,400**	**2,000,000**	**12,000**	**7,200**	**5,700**	**2,510,000**	**1,250,000**	**9,540**	**22,600**	**7,100**	**2,300**
Cobalt	7440-48-4	6,800	**800**	**2,000**	NLV	NLV	NLV	NLV	1.3E+7	2.6E+6	NA	**35000**		**2,800**	**35,000**	**5,000**	**3,800**	**3,700**	NS	NT	**9,000**	**9,420**	NT	NT
Copper (B)	7440-50-8	32,000	**5.8E+6**	**(G)**	NLV	NLV	NLV	NLV	1.3E+8	2.0E+7	NA	**7.21E+06**		**8,100**	**1,500,000**	**69,000**	**5,200**	**6,400**	**4,310,000**	**609,000**	**109,000**	**62,100**	**25,500**	**8,580**
Iron (B)	7439-89-6	1.2E+7	**6,000**	NA	NLV	NLV	NLV	NLV	ID	**1.6E+8**	NA	**6.60E+08**		**8,700,000**	**660,000,000**	**28,000,000**	**8,800,000**	**7,600,000**	NS	NT	**16,900,000**	**15,300,000**	NT	NT
Lead (B)	7439-92-1	21,000	**7.0E+5**	(G,X)	NLV	NLV	NLV	NLV	1.0E+8	**4.0E+5**	NA	**2.73E+07**		**10,000**	**270,000**	**52,000**	**4,500**	**3,700**	**3,210,000**	**575,000**	**338,000**	**693,000**	**138,000**	**41,700**
Magnesium (B)	7439-95-4	NA	**8.0E+6**	NA	NLV	NLV	NLV	NLV	6.7E+9	1.0E+9 (D)	NA	**3.60E+07**		**6,700,000**	**2,900,000**	**1,200,000**	**17,000,000**	**4,100,000**	NS	NT	**2,250,000**	**5,990,000**	NT	NT
Manganese (B)	7439-96-5	4.4E+5	**1,000**	(G,X)	NLV	NLV	NLV	NLV	3.3E+6	2.5E+7	NA	**3.00E+06**		**250,000**	**3,000,000**	**350,000**	**230,000**	**260,000**	NS	NT	**301,000**	**600,000**	NT	NT
Mercury, Total	7439-97-6	130	**1,700**	**50 (M); 1.2**	48,000	52,000	52,000	52,000	2.0E+7	1.6E+5	NA	**2600**		**19**	**2,600**	**55**	**8.3**	ND	**243**	**3,482**	**1,972**	**322**	**254**	**233**
Nickel (B)	7440-02-0	20,000	**1.0E+5**	(G)	NLV	NLV	NLV	NLV	1.3E+7	4.0E+7	NA	**7.95+05**		**7,400**	**710,000**	**20,000**	**8,600**	**8,200**	NS	NT	**795,000**	**42,600**	NT	NT
Selenium (B)	7782-49-2	410	**4,000**	**400**	NLV	NLV	NLV	NLV	1.3E+8	2.6E+6	NA	**4100**		**110**	ND	**250**	ND	**130**	<400	<500	**530**	<500	<500	<500
Silver (B)	7440-22-4	1,000	4,500	**100 (M); 27**	NLV	NLV	NLV	NLV	6.7E+6	2.5E+6	NA	**1200**		**52**	**250**	ND	ND	ND	**790**	<200	**450**	**820**	**250**	<200
Vanadium	7440-62-2	NA	**72,000**	**1.9E+5**	NLV	NLV	NLV	NLV	ID	7.5E+5 (DD)	NA	**2.50E+05**		**9,600**	**250,000**	**16,000**	**9,000**	**11,000**	NS	NT	**6,740**	**11,900**	NT	NT
Zinc (B)	7440-66-6	47,000	**2.4E+6**	(G)	NLV	NLV	NLV	NLV	ID	1.7E+8	NA	**3.10E+07**		**29,000**	**290,000**	**130,000**	**29,000**	**23,000**	**2,440,000**	**195,000**	**2,360,000**	**3,990,000**	**72,000**	**14,300**
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semivolatiles, BNAs ug/Kg																								
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**20600**		NS	NS	NS	NS	NS	**6,500**	BDL	BDL	BDL	BDL	BDL
All Remaining BNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	NS	NS	NS	NS	BDL	BDL	BDL	BDL	BDL	BDL
Semivolatiles, PNAs ug/Kg																								
Acenaphthene	83-32-9	NA	3.0E+5	**8,700**	1.9E+8	8.1E+7	8.1E+7	8.1E+7	1.4E+10	4.1E+7	NA	**1.30E+05**		**0.71**	**3,800**	**14**	**0.75**	ND	<2,900	<300	<300	<300	<300	<300
Acenaphthylene	208-96-8	NA	**5,900**	ID	1.6E+6	2.2E+6	2.2E+6	2.2E+6	2.3E+9	1.6E+6	NA	**8000**		**0.71**	**190**	**12**	ND	ND	<2,900	<300	<300	<300	<300	<300
Anthracene	120-12-7	NA	**41,000**	ID	1.0E+9 (D)	1.4E+9	1.4E+9	1.4E+9	6.7E+10	2.3E+8	NA	**71000**		**1.1**	**5,200**	**59**	**0.75**	ND	<2,900	<300	<300	<300	<300	<300
Benzo(a)anthracene (Q)	56-55-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**20,000**	NA	**47000**		**5.6**	**8,900**	**130**	**3.0**	ND	**3,200**	**300**	<300	**400**	<300	<300
Benzo(a)pyrene (Q)	50-32-8	NA	NLL	NLL	NLV	NLV	NLV	NLV	1.5E+6	**2,000**	NA	**41000**		**6.0**	**5,200**	**110**	**3.0**	ND	<2,900	**300**	<300	**400**	<300	<300
Benzo(b)fluoranthene (Q)	205-99-2	NA	NLL	NLL	ID	ID	ID	ID	ID	**20,000**	NA	**23000**		**8.1**	**8,600**	**150**	**2.6**	ND	**4,500**	**500**	<300	**300**	<300	<300
Dibenzo(a,h)anthracene (Q)	53-70-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**2,000**	NA	**2600**		**2.1**	ND	**17**	ND	ND	<2,900	<300	<300	<300	<300	<300
Fluoranthene	206-44-0	NA	7.3E+5	**5,500**	1.0E+9 (D)	7.4E+8	7.4E+8	7.4E+8	9.3E+9	4.6E+7	NA	**89000**		**11**	**14,000**	**280**	**3.4**	ND	**6,300**	**600**	**400**	**600**	**400**	<300
Fluorene	86-73-7	NA	3.9E+5	**5,300**	5.8E+8	1.3E+8	1.3E+8	1.3E+8	9.3E+9	2.7E+7	NA	**64000**		**1.1**	**6,000**	**20**	**1.1**	ND	**3,100**	<300	<300	<300	<300	<300
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.30E+05**		**2.8**	**32,000**	**26**	**2.3**	**17**	**5,700**	<300	<300	<300	<300	<300
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**14000**		**2.1**	**14,000**	**41**	**1.5**	**17**	**10,700**	<300	<300	<300	<300	<300
Phenanthrene	85-01-8	NA	**56,000**	**2,100**	2.8E+6	**1.6E+5**	**1.6E+5**	**1.6E+5**	6.7E+6	1.6E+6	NA	**2.50E+05**		**12**	**31,000**	**250**	**5.7**	ND	**12,900**	**400**	<300	400	<300	<300
All Remaining PNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	<300	<300	<300	<300	<300
Volatiles, VOCs ug/Kg																								
Benzene (I)	71-43-2	NA	**100**	4,000 (X)	1,600	13,000	34,000	79,000	3.8E+8	1.8E+5	4.0E+5	**340**		ND	**37**	ND	ND	ND	<700	BDL	BDL	BDL	BDL	BDL
Carbon tetrachloride	56-23-5	NA	**100**	760 (X)	**190**	3,500	12,000	28,000	1.3E+8	96,000	3.9E+5	**540**		ND	ND	ND	ND	ND	<700	BDL	BDL	BDL	BDL	BDL
Chloroform	67-66-3	NA	**1,600 (W)**	7,000	7,200	45,000	1.2E+5	2.7E+5	1.3E+9	1.2E+6	1.5E+6	**2300**		ND	ND	ND	ND	ND	<700	BDL	BDL	BDL	BDL	BDL
Ethylbenzene (I)	100-41-4	NA	**1,500**	**360**	87,000	7.2E+5	1.0E+6	2.2E+6	1.0E+10	1.4E+5 (C)	1.4E+5	**7900**		ND	**240**	ND	ND	ND	<700	BDL	BDL	BDL	BDL	BDL
Methylene chloride	75-09-2	NA	**100**	30,000 (X)	45,000	2.1E+5	5.9E+5	1.4E+6	6.6E+9	1.3E+6	2.3E+6	**1600**		ND	ND	ND	ND	ND	<1,000	BDL	BDL	BDL	BDL	BDL
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.10E+05**		NS	NS	NS	NS	NS	**33,900**	BDL	BDL	BDL	BDL	BDL
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**31000**		NS	NS	NS	NS	NS	**19,400**	BDL	BDL	BDL	BDL	BDL
Tetrachloroethylene	127-18-4	NA	**100**	1,200 (X)	11,000	1.8E+5	4.8E+5	1.1E+6	5.4E+9	88,000 (C)	88,000	**170**		ND	ND	ND	ND	ND	<700	BDL	BDL	BDL	BDL	BDL
Toluene (I)	108-88-3	NA	16,000	**5,400**	2.5E+5 (C)	2.8E+6	5.1E+6	1.2E+7	2.7E+10	2.5E+5 (C)	2.5E+5	**7000**		ND	**95**	ND	ND	ND	**7,000**	BDL	BDL	BDL	BDL	BDL
Trichloroethylene	79-01-6	NA	**100**	4,000 (X)	7,100	78,000	1.7E+5	3.9E+5	1.8E+9	5.0E+5 (C,DD)	5.0E+5	**480**		ND	ND	ND	ND	ND	<700	BDL	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene*	526-73-8	NA	1,800	**570**	94,000 (C)	1.6E+7	3.8E+8	3.8E+8	8.2E+10	94,000 (C)	94,000	**1000**		NS	NS	NS	NS	NS	**1,000**	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene (I)	95-63-6	NA	**2,100**	**570**	1.1E+5 (C)	2.1E+7	5.0E+8	5.0E+8	8.2E+10	1.1E+5 (C)	1.1E+5	**3000**		NS	NS	NS	NS	NS	**3,000**	BDL	BDL	BDL	BDL	BDL
Xylenes (I)	1330-20-7	NA	**5,600**	**980**	1.5E+5 (C)	4.6E+7	6.1E+7	1.3E+8	2.9E+11	1.5E+5 (C)	1.5E+5	**14390**		ND	**3,300**	ND	ND	ND	**5,100**	BDL	BDL	BDL	BDL	BDL
All Remaining VOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

AKT PEERLESS™
ENVIRONMENTAL SERVICES

Table 1: Summary of Soil Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#10	#11	#12	#14	#15	#16	#17	#18	#19	#20		Parcel ID:	E	J	E	E	E	E	E
Parameters*	**Chemical Abstract Service Number**	**Statewide Default Background Levels**	**Residential Drinking Water Protection Criteria and RBSLs**	**Groundwater Surface Water Interface Protection Criteria and RBSLs**	**Residential Soil Volatilization to Indoor Air Inhalation Criteria and RBSLs**	**Residential Infinite Source Volatile Soil Inhalation Criteria (VSIC) and RBSLs**	**Residential Finite VSIC for 5 Meter Source Thickness**	**Residential Finite VSIC for 2 Meter Source Thickness**	**Residential Particulate Soil Inhalation Criteria and RBSLs**	**Residential Direct Contact Criteria and RBSLs**	**Residential Soil Saturation Concentration Screening Levels**	**Maximum Concentration Detected**	**Sample Location**	**E-5**	**E-6**	**E-7**	**E-8**	**E-9**	**E-10**	**E-11**
													Collection Date	**03/15/2010**	**03/15/2010**	**03/15/2010**	**03/16/2010**	**03/16/2010**	**03/15/2010**	**03/18/2010**
**(Refer to detailed laboratory report for method reference data)*													**Depth (ft)**	**3-5'**	**3-5'**	**1-3'**	**1-2'**	**2-3'**	**2-3'**	**2-4'**
Metals ug/Kg																				
Aluminum (B)	7429-90-5	6.90E+06	**1,000**	NA	NLV	NLV	NLV	NLV	ID	**5.0E+7 (DD)**	NA	**8.90E+07**		**1,410,000**	NT	NT	**1,310,000**	**839,000**	**2,420,000**	NT
Antimony	7440-36-0	NA	**4,300**	94,000 (X)	NLV	NLV	NLV	NLV	1.3E+7	1.8E+5	NA	**18000**		<500	NT	NT	**670**	<500	<500	NT
Arsenic	7440-38-2	5,800	**4,600**	**4,600**	NLV	NLV	NLV	NLV	7.2E+5	**7,600**	NA	**3.90E+05**		**1,000**	**6,950**	**780**	**3,650**	**850**	**1,390**	**1,480**
Cadmium (B)	7440-43-9	1,200	**6,000**	(G,X)	NLV	NLV	NLV	NLV	1.7E+6	5.5E+5	NA	**7520**		<200	<200	<200	**290**	<200	<200	**1,550**
Chromium, Total	7440-47-3	18,000 (total)	**30,000**	**3,300**	NLV	NLV	NLV	NLV	**2.6E+5**	**2.5E+6**	NA	**2.51E+06**		**2,050**	**13,700**	**2,050**	**68,900**	**1,610**	**3,630**	**5,960**
Cobalt	7440-48-4	6,800	**800**	**2,000**	NLV	NLV	NLV	NLV	1.3E+7	2.6E+6	NA	**35000**		**680**	NT	NT	**2,740**	**1,730**	**3,390**	NT
Copper (B)	7440-50-8	32,000	**5.8E+6**	**(G)**	NLV	NLV	NLV	NLV	1.3E+8	2.0E+7	NA	**7.21E+06**		**3,940**	**33,300**	**6,160**	**35,500**	**3,590**	**5,940**	**10,500**
Iron (B)	7439-89-6	1.2E+7	**6,000**	NA	NLV	NLV	NLV	NLV	ID	**1.6E+8**	NA	**6.60E+08**		**1,670,000**	NT	NT	**9,280,000**	**3,250,000**	**4,940,000**	NT
Lead (B)	7439-92-1	21,000	**7.0E+5**	(G,X)	NLV	NLV	NLV	NLV	1.0E+8	**4.0E+5**	NA	**2.73E+07**		**32,500**	**13,800**	**90,400**	**83,400**	**3,430**	**4,760**	**39,700**
Magnesium (B)	7439-95-4	NA	**8.0E+6**	NA	NLV	NLV	NLV	NLV	6.7E+9	1.0E+9 (D)	NA	**3.60E+07**		**438,000**	NT	NT	**4,670,000**	**26,000,000**	**6,420,000**	NT
Manganese (B)	7439-96-5	4.4E+5	**1,000**	(G,X)	NLV	NLV	NLV	NLV	3.3E+6	2.5E+7	NA	**3.00E+06**		**40,900**	NT	NT	**214,000**	**199,000**	**236,000**	NT
Mercury, Total	7439-97-6	130	**1,700**	**50 (M); 1.2**	48,000	52,000	52,000	52,000	2.0E+7	1.6E+5	NA	**2600**		<50	<50	<50	**2,575**	<50	<50	<50
Nickel (B)	7440-02-0	20,000	**1.0E+5**	(G)	NLV	NLV	NLV	NLV	1.3E+7	4.0E+7	NA	**7.95+05**		**2,550**	NT	NT	**27,400**	**5,950**	**7,180**	NT
Selenium (B)	7782-49-2	410	**4,000**	**400**	NLV	NLV	NLV	NLV	1.3E+8	2.6E+6	NA	**4100**		<500	<500	<500	<500	<500	<500	<500
Silver (B)	7440-22-4	1,000	4,500	**100 (M); 27**	NLV	NLV	NLV	NLV	6.7E+6	2.5E+6	NA	**1200**		<200	<200	<200	<200	<200	<200	<200
Vanadium	7440-62-2	NA	**72,000**	**1.9E+5**	NLV	NLV	NLV	NLV	ID	7.5E+5 (DD)	NA	**2.50E+05**		**2,380**	NT	NT	**9,240**	**3,150**	**6,060**	NT
Zinc (B)	7440-66-6	47,000	**2.4E+6**	(G)	NLV	NLV	NLV	NLV	ID	1.7E+8	NA	**3.10E+07**		**7,770**	**12,600**	**7,930**	**74,000**	**9,830**	**10,700**	**404,000**
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semivolatiles, BNAs ug/Kg																				
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**20600**		BDL	BDL	BDL	BDL	BDL	BDL	BDL
All Remaining BNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semivolatiles, PNAs ug/Kg																				
Acenaphthene	83-32-9	NA	3.0E+5	**8,700**	1.9E+8	8.1E+7	8.1E+7	8.1E+7	1.4E+10	4.1E+7	NA	**1.30E+05**		<300	<300	<300	<300	<300	<300	<300
Acenaphthylene	208-96-8	NA	**5,900**	ID	1.6E+6	2.2E+6	2.2E+6	2.2E+6	2.3E+9	1.6E+6	NA	**8000**		<300	<300	<300	<300	<300	<300	<300
Anthracene	120-12-7	NA	**41,000**	ID	1.0E+9 (D)	1.4E+9	1.4E+9	1.4E+9	6.7E+10	2.3E+8	NA	**71000**		<300	<300	<300	<300	<300	<300	**500**
Benzo(a)anthracene (Q)	56-55-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**20,000**	NA	**47000**		<300	<300	<300	<300	<300	<300	**1,400**
Benzo(a)pyrene (Q)	50-32-8	NA	NLL	NLL	NLV	NLV	NLV	NLV	1.5E+6	**2,000**	NA	**41000**		<300	<300	<300	<300	<300	<300	**1,400**
Benzo(b)fluoranthene (Q)	205-99-2	NA	NLL	NLL	ID	ID	ID	ID	ID	**20,000**	NA	**23000**		<300	<300	<300	<300	<300	<300	**1,800**
Dibenzo(a,h)anthracene (Q)	53-70-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	**2,000**	NA	**2600**		<300	<300	<300	<300	<300	<300	<300
Fluoranthene	206-44-0	NA	7.3E+5	**5,500**	1.0E+9 (D)	7.4E+8	7.4E+8	7.4E+8	9.3E+9	4.6E+7	NA	**89000**		<300	<300	<300	<300	<300	<300	**3,400**
Fluorene	86-73-7	NA	3.9E+5	**5,300**	5.8E+8	1.3E+8	1.3E+8	1.3E+8	9.3E+9	2.7E+7	NA	**64000**		<300	<300	<300	<300	<300	<300	<300
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.30E+05**		<300	<300	<300	<300	<300	<300	<300
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**14000**		<300	<300	<300	<300	<300	<300	<300
Phenanthrene	85-01-8	NA	**56,000**	**2,100**	2.8E+6	**1.6E+5**	**1.6E+5**	**1.6E+5**	6.7E+6	1.6E+6	NA	**2.50E+05**		<300	<300	**300**	<300	<300	<300	**2,200**
All Remaining PNAs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		<300	<300	<300	<300	<300	<300	<300
Volatiles, VOCs ug/Kg																				
Benzene (I)	71-43-2	NA	**100**	4,000 (X)	1,600	13,000	34,000	79,000	3.8E+8	1.8E+5	4.0E+5	**340**		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon tetrachloride	56-23-5	NA	**100**	760 (X)	**190**	3,500	12,000	28,000	1.3E+8	96,000	3.9E+5	**540**		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	67-66-3	NA	**1,600 (W)**	7,000	7,200	45,000	1.2E+5	2.7E+5	1.3E+9	1.2E+6	1.5E+6	**2300**		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene (I)	100-41-4	NA	**1,500**	**360**	87,000	7.2E+5	1.0E+6	2.2E+6	1.0E+10	1.4E+5 (C)	1.4E+5	**7900**		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene chloride	75-09-2	NA	**100**	30,000 (X)	45,000	2.1E+5	5.9E+5	1.4E+6	6.6E+9	1.3E+6	2.3E+6	**1600**		BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Methylnaphthalene	91-57-6	NA	**57,000**	**4,200**	2.7E+6	1.5E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	**1.10E+05**		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	91-20-3	NA	35,000	**730**	2.5E+5	3.0E+5	3.0E+5	3.0E+5	2.0E+8	1.6E+7	NA	**31000**		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethylene	127-18-4	NA	**100**	1,200 (X)	11,000	1.8E+5	4.8E+5	1.1E+6	5.4E+9	88,000 (C)	88,000	**170**		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene (I)	108-88-3	NA	16,000	**5,400**	2.5E+5 (C)	2.8E+6	5.1E+6	1.2E+7	2.7E+10	2.5E+5 (C)	2.5E+5	**7000**		BDL	BDL	BDL	BDL	1	BDL	BDL
Trichloroethylene	79-01-6	NA	**100**	4,000 (X)	7,100	78,000	1.7E+5	3.9E+5	1.8E+9	5.0E+5 (C,DD)	5.0E+5	**480**		BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene*	526-73-8	NA	1,800	**570**	94,000 (C)	1.6E+7	3.8E+8	3.8E+8	8.2E+10	94,000 (C)	94,000	**1000**		BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene (I)	95-63-6	NA	**2,100**	**570**	1.1E+5 (C)	2.1E+7	5.0E+8	5.0E+8	8.2E+10	1.1E+5 (C)	1.1E+5	**3000**		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes (I)	1330-20-7	NA	**5,600**	**980**	1.5E+5 (C)	4.6E+7	6.1E+7	1.3E+8	2.9E+11	1.5E+5 (C)	1.5E+5	**14390**		BDL	BDL	BDL	BDL	BDL	BDL	BDL
All Remaining VOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL

AKT PEERLESS
ENVIRONMENTAL SERVICES

Table 2: Summary of Soil Analytical Results
Chevy Commons - Parcels J and K
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Parameters*	Chemical Abstract Service Number	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Groundwater Surface Water Interface Protection Criteria	Groundwater Contact Protection Criteria and RBSLs	Residential Soil Volatilization to Indoor Air Inhalation Criteria	Residential Infinite Source Volatile Soil Inhalation Criteria (VSIC)	Residential Finite VSIC for 5 Meter Source Thickness	Residential Finite VSIC for 2 Meter Source Thickness	Residential Particulate Soil Inhalation Criteria	Residential Direct Contact Criteria and RBSLs	Residential Soil Saturation Concentration Screening Levels	Sample Location	B-1S	B-1D	B-2S	B-2D	B-3S	B-3D	B-6S	B-6D
(Refer to detailed laboratory report for method reference data)													Collection Date	9/7/2016	9/7/2016	9/7/2016	9/7/2016	9/7/2016	9/7/2016	9/7/2016	9/7/2016
													Depth	3-4'	15-16'	8-10'	14-16'	4-6'	12-14'	6-8'	10-12'
Metals ug/Kg																					
Arsenic	7440-38-2	**5,800**	**4,600**	**4,600**	2.0E+6	NLV	NLV	NLV	NLV	7.20E+05	**7,600**	**NA**		**6,400**	**2,600**	**31,000**	**14,000**	**3,300**	**5,600**	**7,600**	**4,400**
Barium (B)	7440-39-3	**75,000**	1.3E+6	(G)	1.0E+9 (D)	NLV	NLV	NLV	NLV	3.3E+8	3.7E+7	NA		**14,000**	**19,000**	**360,000**	**170,000**	**20,000**	**40,000**	**78,000**	**18,000**
Cadmium (B)	7440-43-9	**1,200**	6,000	(G,X)	2.3E+8	NLV	NLV	NLV	NLV	1.7E+6	5.5E+5	NA		**160**	**80**	**3,700**	**2,800**	**74**	**170**	**94**	**130**
Chromium, Total	7440-47-3	**18,000**	**30,000**	**3,300**	1.4E+8	NLV	NLV	NLV	NLV	2.6E+5	2.5E+6	NA		**6,400**	**7,100**	**35,000**	**45,000**	**7,400**	**9,700**	**23,000**	**15,000**
Copper (B)	7440-50-8	**32,000**	5.8E+6	(G)	1.0E+9 (D)	NLV	NLV	NLV	NLV	1.3E+8	2.0E+7	NA		**9,300**	**5,800**	**140,000**	**79,000**	**3,100**	**11,000**	**15,000**	**15,000**
Lead (B)	7439-92-1	**21,000**	7.0E+5	(G,X)	ID	NLV	NLV	NLV	NLV	1.0E+8	**4.0E+5**	NA		**7,200**	**3,500**	**510,000**	**150,000**	**4,700**	**7,100**	**10,000**	**5,500**
Mercury, Total	7439-97-6	**130**	1,700	**50 (M); 1.2**	47,000	48,000	52,000	52,000	52,000	2.0E+7	1.6E+5	NA		**20**	**9.4**	**620**	**89**	**9.3**	**1.4**	**20**	**4.5**
Selenium (B)	7782-49-2	**410**	4,000	**400**	7.8E+7	NLV	NLV	NLV	NLV	1.3E+8	2.6E+6	NA		**630**	**1,100**	**3,400**	**1,700**	BDL	**1,100**	**1,200**	**1,000**
Silver (B)	7440-22-4	1,000	4,500	100 (M); 27	2.0E+8	NLV	NLV	NLV	NLV	6.7E+6	2.5E+6	NA		**17**	**30**	**460**	**190**	BDL	**31**	**53**	**42**
Zinc (B)	7440-66-6	**47,000**	2.4E+6	(G)	1.0E+9 (D)	NLV	NLV	NLV	NLV	ID	1.7E+8	NA		**33,000**	**15,000**	**490**	**170,000**	**13,000**	**33,000**	**60,000**	**47,000**
Semivolatiles, / PNAs ug/Kg																					
All SVOCs / PNAs	Varies	NA	Varies	Varies	-	Varies	Varies	Varies	Varies	Varies	Varies	Varies		BDL	BDL	BDL/<RCC	BDL/<RCC	BDL	BDL	BDL	BDL/<RCC
Volatiles, VOCs ug/Kg																					
Benzene (I)	71-43-2	NA	100	4,000 (X)	2.2E+5	1,600	13,000	34,000	79,000	3.8E+8	1.8E+5	4.0E+5		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethylene	79-01-6	NA	100	4,000 (X)	4.4E+5	7,100	78,000	1.7E+5	3.9E+5	1.8E+9	5.0E+5 (C,DD)	5.0E+5		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
All Remaining VOCs	Varies	NA	Varies	Varies	-	Varies	Varies	Varies	Varies	Varies	Varies	Varies		BDL	BDL	BDL/<RCC	BDL	BDL	BDL	BDL	BDL
PCBs ug/Kg																					
All PCBs	Varies	NA	NLL	NLL	Varies	3.00E+06	2.40E+05	7.90E+06	7.90E+06	5.20E+06	(T)	NA		BDL	NS	BDL	NS	BDL/<RCC	NS	NS	BDL/<RCC

AKT PEERLESS
ENVIRONMENTAL SERVICES

Table 2: Summary of Soil Analytical Results
Chevy Commons - Parcels J and K
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Parameters* *(Refer to detailed laboratory report for method reference data)*	Chemical Abstract Service Number	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Groundwater Surface Water Interface Protection Criteria	Groundwater Contact Protection Criteria and RBSLs	Residential Soil Volatilization to Indoor Air Inhalation Criteria	Residential Infinite Source Volatile Soil Inhalation Criteria (VSIC)	Residential Finite VSIC for 5 Meter Source Thickness	Residential Finite VSIC for 2 Meter Source Thickness	Residential Particulate Soil Inhalation Criteria	Residential Direct Contact Criteria and RBSLs	Residential Soil Saturation Concentration Screening Levels	Sample Location	B-16	B-17	B-18
													Collection Date	10/10/2016	10/10/2016	10/10/2016
													Depth	0-0.5'	0-0.5'	0-0.5'
Metals ug/Kg																
Arsenic	7440-38-2	**5,800**	**4,600**	**4,600**	2.0E+6	NLV	NLV	NLV	NLV	7.20E+05	**7,600**	**NA**		**13,000**	**50,000**	**12,000**
Barium (B)	7440-39-3	**75,000**	1.3E+6	(G)	1.0E+9 (D)	NLV	NLV	NLV	NLV	3.3E+8	3.7E+7	NA		**48,000**	**66,000**	**75,000**
Cadmium (B)	7440-43-9	**1,200**	6,000	(G,X)	2.3E+8	NLV	NLV	NLV	NLV	1.7E+6	5.5E+5	NA		**2,600**	**410**	**380**
Chromium, Total	7440-47-3	**18,000**	**30,000**	**3,300**	1.4E+8	NLV	NLV	NLV	NLV	2.6E+5	2.5E+6	NA		**34,000**	**6,300**	**13,000**
Copper (B)	7440-50-8	**32,000**	5.8E+6	(G)	1.0E+9 (D)	NLV	NLV	NLV	NLV	1.3E+8	2.0E+7	NA		**62,000**	**12,000**	**21,000**
Lead (B)	7439-92-1	**21,000**	7.0E+5	(G,X)	ID	NLV	NLV	NLV	NLV	1.0E+8	**4.0E+5**	NA		**220,000**	**30,000**	**51,000**
Mercury, Total	7439-97-6	**130**	1,700	**50 (M); 1.2**	47,000	48,000	52,000	52,000	52,000	2.0E+7	1.6E+5	NA		**130**	**18**	**55**
Selenium (B)	7782-49-2	**410**	4,000	**400**	7.8E+7	NLV	NLV	NLV	NLV	1.3E+8	2.6E+6	NA		**600**	**2,100**	**650**
Silver (B)	7440-22-4	1,000	4,500	100 (M); 27	2.0E+8	NLV	NLV	NLV	NLV	6.7E+6	2.5E+6	NA		**110**	**160**	**48**
Zinc (B)	7440-66-6	**47,000**	2.4E+6	(G)	1.0E+9 (D)	NLV	NLV	NLV	NLV	ID	1.7E+8	NA		**220,000**	**76,000**	**80,000**
Semivolatiles, / PNAs ug/Kg																
All SVOCs / PNAs	Varies	NA	Varies	Varies	-	Varies	Varies	Varies	Varies	Varies	Varies	Varies		NS	NS	NS
Volatiles, VOCs ug/Kg																
Benzene (I)	71-43-2	NA	100	4,000 (X)	2.2E+5	1,600	13,000	34,000	79,000	3.8E+8	1.8E+5	4.0E+5		NS	NS	NS
Trichloroethylene	79-01-6	NA	100	4,000 (X)	4.4E+5	7,100	78,000	1.7E+5	3.9E+5	1.8E+9	5.0E+5 (C,DD)	5.0E+5		NS	NS	NS
All Remaining VOCs	Varies	NA	Varies	Varies	-	Varies	Varies	Varies	Varies	Varies	Varies	Varies		NS	NS	NS
PCBs ug/Kg																
All PCBs	Varies	NA	NLL	NLL	Varies	3.00E+06	2.40E+05	7.90E+06	7.90E+06	5.20E+06	(T)	NA		NS	BDL	BDL/<RCC

AKT PEERLESS
ENVIRONMENTAL SERVICES

Table 3: Summary of Groundwater Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#1	#3	#4	#7	#8		Parcel ID:	A	A	A	A	A	A	A	A	A	A	A	B				
Parameters*	Chemical Abstract Service Number	Residential Drinking Water Criteria and RBSLs	Groundwater Surface Water Interface Protection Criteria and RBSLs	Residential Groundwater Volatilization to Indoor Air Inhalation Criteria and RBSLs	Water Solubility	Flammability and Explosivity Screening Level	Maximum Concentration Detected	Sample Location	P5-19	P5-49	P5-37	P5-46	MW-36	MW-51A	MW-58D	MW-59	MW-60	MW-61	MW-62	MW-2				
(Refer to detailed laboratory report for method reference data)								Collection Date	3/22/2010	3/22/2010	3/23/2010	3/23/2010	10/21/2011 & 10/24/2011	10/20/2011	10/24/2011	10/20/2011	10/24/2011	10/24/2011	10/24/2011	06/12/2013	9/13/2013	12/9/2013	04/09/2014	04/15/2014
								Screen Depth (feet below surface)						AKA: MW-P5-51A						5.0 - 10.0	5.0 - 10.0	5.0 - 10.0	5.0 - 10.0	5.0 - 10.0
Metals ug/L																								
Aluminum (B)	7429-90-5	**50 (V)**	NA	NLV	NA	ID	**17000**		NS	NS	NS	NS	**92**	**1,300**	**1,700**	**250**	**18**	**2,500**	**2,000**	**128**	**190**	**610**	**20**	NS
Arsenic	7440-38-2	**10 (A)**	**10**	NLV	NA	ID	**525**		NS	NS	NS	NS	**20**	**20**	**41**	**5.4**	**1.9**	**11**	**9.1**	<2	<1	**1.4**	<2	NS
Barium (B)	7440-39-3	**2,000 (A)**	**1,800 (G)**	NLV	NA	ID	**5400**		NS	NS	NS	NS	**340**	**350**	**71**	**100**	**5,400**	**86**	**430**	**59**	**60**	**70**	**39**	NS
Chromium, Total	7440-47-3	100 (A)	**11**	NLV	NA	ID	**45**		NS	NS	NS	NS	**0.62**	**3.7**	**3.5**	**0.9**	**0.59**	**5.5**	**4.3**	<5	**1.5**	**2.5**	NS	NS
Chromium VI	18540-29-9	100 (A)	**11**	NLV	NA	ID	**12**		NS	NS	NS	NS	**4**	**4**	**4**	**4**	**12**	**4**	**4**	NS	NS	NS	NS	NS
Iron (B)	7439-89-6	**300 (E)**	NA	NLV	NA	ID	**35000**		NS	NS	NS	NS	**8,800**	**15,000**	**4,200**	**15,000**	**9,900**	**4,100**	**6,900**	**280**	**280**	**950**	**450**	NS
Lead (B)	7439-92-1	**4.0 (L)**	**14 (G,X)**	NLV	NA	ID	**281**		NS	NS	NS	NS	**25**	**60**	1.8	1.3	**61**	**60**	**12**	<3	<1	<1	NS	NS
Manganese (B)	7439-96-5	**50 (E)**	**1,300 (G,X)**	NLV	NA	ID	**2700**		NS	NS	NS	NS	**76**	**910**	**73**	**700**	**120**	**59**	**540**	**12**	**63**	**55**	**5**	NS
Mercury, Total	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.006**		0.0012	**0.006**	**0.0026**	0.00087	0.00042	**0.0014**	**0.0043**	0.00016	**0.0014**	0.00076	**0.0013**	<0.2	<0.2	<0.2	NS	NS
Mercury, Low Level	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.016**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium (B)	7782-49-2	50 (A)	**5.0**	NLV	NA	ID	**12**		NS	NS	NS	NS	**0.73**	**0.82**	**1.8**	**0.73**	**0.73**	**0.79**	**1**	<5	**2.9**	**2.9**	NS	NS
Silver (B)	7440-22-4	34	**0.2 (M); 0.06**	NLV	NA	ID	**2.1**		NS	NS	NS	NS	**0.02**	**0.033**	**0.02**	**0.02**	**0.02**	**0.11**	**0.02**	<0.5	<0.2	<0.2	NS	NS
Sodium	7440-23-5	**2.30E+05**	NA	NLV	NA	ID	**6.94E+05**		NS	NS	NS	NS	**35,000**	**45,000**	**43,000**	**44,000**	**53,000**	**67,000**	**82,000**	**61,800**	**62,000**	**51,000**	**74,100**	NS
Vanadium	7440-62-2	**4.5**	**12**	NLV	NA	ID	**33**		NS	NS	NS	NS	**0.73**	**5.2**	**3.2**	**1**	**0.14**	**12**	**5.5**	<5	<1	**2.2**	NS	NS
Zinc (B)	7440-66-6	2,400	**370 (G)**	NLV	NA	ID	**1110**		NS	NS	NS	NS	**31**	**18**	**8.7**	**6**	**4**	**13**	**12**	**11**	<10	**12**	<5	NS
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	NS	NS	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS
Nitrogen Forms ug/L																								
Ammonia	7664-41-7	10,000 (N)	**53 (CC)**	3.2E+6	5.30E+8	ID	**4700**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs ug/L																								
PCB, Aroclor 1254	11097-69-1	0.5 (A)	**0.2 (M); 2.6E-5**	45 (S)	44.7	ID	**0.14**		NS	NS	NS	NS	BDL	**0.14**	BDL	BDL	BDL	BDL	BDL	NS	NS	NS	NS	NS
All Remaining PCBs	Varies	0.5 (A)	0.2 (M); 2.6E-5	45 (S)	44.7	ID	BDL/<RCC		NS	NS	NS	NS	BDL	**0.14**	BDL	BDL	BDL	BDL	BDL	NS	NS	NS	NS	NS
Semivolatiles, BNAs ug/L																								
Naphthalene	91-20-3	520	11	31,000 (S)	31,000	NA	**5**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<5	NS	NS	NS	<5
All Remaining BNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<5	NS	NS	NS	<5
Semivolatiles, PNAs, ug/L																								
Benzo(a)anthracene (Q)	56-55-3	**2.1**	ID	NLV	9.4	ID	**7.1**		NS	NS	NS	NS	**0.57**	**5.9**	**0.57**	**7.1**	**0.57**	**0.57**	**0.57**	<1	<0.5	<0.5	NS	<1
Benzo(a)pyrene (Q)	50-32-8	**5.0 (A)**	ID	NLV	1.62	ID	**13**		NS	NS	NS	NS	**0.1**	**1**	**0.1**	**13**	**0.1**	**0.1**	**0.1**	<1	<0.5	<0.5	NS	<1
Benzo(b)fluoranthene (Q)	205-99-2	**1.5 (S, AA)**	ID	ID	1.5	ID	**8**		NS	NS	NS	NS	**0.74**	**7.4**	**0.74**	**8**	**0.98**	**0.74**	**0.74**	<1	<0.5	<0.5	NS	<1
Benzo(g,h,i)perylene	191-24-2	**1.0 (M); 0.26 (S)**	ID	NLV	0.26	ID	**8.2**		NS	NS	NS	NS	**0.7**	**7**	**0.7**	**8.2**	**0.7**	**0.7**	**0.7**	<1	<0.5	<0.5	NS	<1
Benzo(k)fluoranthene (Q)	207-08-9	**1.0 (M); 0.8 (S)**	NA	NLV	0.8	ID	**5.7**		NS	NS	NS	NS	**0.17**	**1.7**	**0.17**	**5.7**	**0.59**	**0.17**	**0.17**	<1	<0.5	<0.5	NS	<1
Chrysene (Q)	218-01-9	**1.6 (S)**	ID	ID	1.6	ID	**9.5**		NS	NS	NS	NS	**0.71**	**7.1**	**0.71**	**9.5**	**0.71**	**0.71**	**1.4**	<1	<0.5	<0.5	NS	<1
Fluoranthene	206-44-0	210 (S)	**1.6**	210 (S)	206	ID	**16**		NS	NS	NS	NS	**0.9**	**7.7**	**0.77**	**16**	**3**	**2.5**	**2.5**	<1	<0.5	<0.5	NS	<1
Indeno(1,2,3-cd)pyrene (Q)	193-39-5	2.0 (M); 0.022 (S)	ID	NLV	0.022	ID	**7**		NS	NS	NS	NS	**0.69**	**6.9**	**0.69**	**7**	**0.69**	**0.69**	**0.69**	<2	<0.5	<0.5	NS	<2
Phenanthrene	85-01-8	52	**2.0 (M); 1.4**	1,000 (S)	1,000	ID	**16**		NS	NS	NS	NS	**0.86**	**8.6**	**0.86**	**16**	**7.1**	**2.3**	**1.9**	<2	<0.5	<0.5	NS	<2
All Remaining PNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	NS	NS	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL
Volatiles, VOCs ug/L																								
Benzene (I)	71-43-2	**5.0 (A)**	200 (X)	5,600	1.75E+6	68,000	**18**		NS	NS	NS	NS	**18**	**0.3**	**0.18**	**0.18**	**0.93**	**0.18**	**0.18**	<1	<1	<1	<1	NS
cis-1,2-Dichloroethylene	156-59-2	**70 (A)**	620	93,000	3.50E+6	5.3E+5	**220**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**43**	**77**	**95**	**52**	NS
Ethylbenzene (I)	100-41-4	74 (E)	**18**	1.1E+5	1.69E+5	43,000	**22**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1	<1	<1	<1	NS
2-Methylnaphthalene	91-57-6	260	**19**	25,000 (S)	24,600	ID	**86**		NS	NS	NS	NS	**86**	**0.15**	**0.19**	**0.19**	**0.19**	**0.19**	**0.19**	<5	NS	NS	<5	NS
Tetrachloroethylene	127-18-4	**5.0 (A)**	**60 (X)**	25,000	2.0E+5	ID	**83**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1	<1	<1	<1	NS
Trichloroethylene	79-01-6	**5.0 (A)**	**200 (X)**	15,000	1.10E+6	ID	**310**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**71**	**110**	**97**	**37**	NS
Vinyl chloride	75-01-4	**2.0 (A)**	**13 (X)**	1,100	2.76E+6	33,000	**50**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1	**1.7**	<1	<1	NS
All Remaining VOCs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	NS	NS	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

AKT PEERLESS
ENVIRONMENTAL SERVICES

Table 3: Summary of Groundwater Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#1	#3	#4	#7	#8		Parcel ID:	B				B				B					B				
Parameters*	Chemical Abstract Service Number	Residential Drinking Water Criteria and RBSLs	Groundwater Surface Water Interface Protection Criteria and RBSLs	Residential Groundwater Volatilization to Indoor Air Inhalation Criteria and RBSLs	Water Solubility	Flammability and Explosivity Screening Level	Maximum Concentration Detected	Sample Location	MW-4				MW-5				MW-6					MW-9s				
(Refer to detailed laboratory report for method reference data)								Collection Date	06/13/2013	9/9/2013	12/10/2013	04/15/2014	06/13/2013	9/13/2013	12/5/2013	04/10/2014	3/22/2010	06/13/2013	9/10/2013	12/5/2013	04/15/2014	3/22/2010	06/12/2013	9/9/2013	12/6/2013	04/15/2014
								Screen Depth (feet below surface)	6.0 - 11.0	6.0 - 11.0	6.0 - 11.0	6.0 - 11.0	10.0 - 15.0	10.0 - 15.0	10.0 - 15.0	10.0 - 15.0	10.0 - 15.0	10.0 - 15.0	10.0 - 15.0	10.0 - 15.0	10.0 - 15.0	3.0 - 8.0	3.0 - 8.0	3.0 - 8.0	3.0 - 8.0	3.0 - 8.0
Metals ug/L																										
Aluminum (B)	7429-90-5	**50 (V)**	NA	NLV	NA	ID	**17000**		**13**	**8**	**9**	**17**	<5	**750**	**41**	**6**	NS	**20**	**50**	**130**	**198**	NS	**32**	**47**	**910**	**55**
Arsenic	7440-38-2	**10 (A)**	**10**	NLV	NA	ID	**525**		<2	**2.2**	**2.1**	**3**	**4**	**7.8**	**2.7**	**3**	NS	**6**	**12**	**28**	**6**	NS	**10**	**44**	**8.3**	**3**
Barium (B)	7440-39-3	**2,000 (A)**	**1,800 (G)**	NLV	NA	ID	**5400**		**74**	**70**	**76**	**113**	**109**	**170**	**190**	**139**	NS	**117**	**160**	**150**	**144**	NS	**222**	**640**	**410**	**217**
Chromium, Total	7440-47-3	100 (A)	**11**	NLV	NA	ID	**45**		<5	<1	<1	NS	<5	**2.3**	<1	NS	NS	<5	<1	<1	NS	NS	<5	<1	**2.1**	NS
Chromium VI	18540-29-9	100 (A)	**11**	NLV	NA	ID	**12**		NS	NS	NS	NS	<10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron (B)	7439-89-6	**300 (E)**	NA	NLV	NA	ID	**35000**		**180**	**8.2**	**24**	**720**	**230**	**2,100**	**150**	**540**	NS	**2,650**	**6,000**	**5,600**	**3,120**	NS	**1,490**	**6,000**	**3,100**	**1,800**
Lead (B)	7439-92-1	**4.0 (L)**	**14 (G,X)**	NLV	NA	ID	**281**		<3	<1	<1	NS	<3	**34**	**1.9**	NS	NS	<3	**1.5**	**2.9**	NS	NS	<3	<1	**2.9**	NS
Manganese (B)	7439-96-5	**50 (E)**	**1,300 (G,X)**	NLV	NA	ID	**2700**		**511**	**800**	**560**	**484**	**186**	**890**	**820**	**310**	NS	**398**	**660**	**1,100**	**398**	NS	**194**	**180**	**280**	**76**
Mercury, Total	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.006**		<0.2	<0.2	<0.2	NS	<0.1	<0.2	<0.2	NS	**0.0043**	<0.2	<0.2	<0.2	NS	**0.0021**	<0.2	<0.2	<0.2	NS
Mercury, Low Level	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.016**		**0.0012**	**0.000898**	NS	**0.00094**	NS	NS	NS	NS	NS	**0.0025**	**0.00989**	NS	**0.0052**	NS	**0.00069**	**0.00408**	NS	**0.00074**
Selenium (B)	7782-49-2	50 (A)	**5.0**	NLV	NA	ID	**12**		<5	<1	<1	NS	**12**	**1.6**	<1	<5	NS	<5	<1	**1.4**	NS	NS	<5	<1	<1	<5
Silver (B)	7440-22-4	34	**0.2 (M); 0.06**	NLV	NA	ID	**2.1**		<0.5	<0.2	<0.2	NS	<0.5	<0.2	<0.2	NS	NS	<0.5	<0.2	<0.2	NS	NS	<0.5	<0.2	<0.2	NS
Sodium	7440-23-5	**2.30E+05**	NA	NLV	NA	ID	**6.94E+05**		**90,000**	**66,000**	**63,000**	**85,400**	**167,000**	**150,000**	**160,000**	**165,000**	NS	**28,900**	**33,000**	**49,000**	**42,200**	NS	**38,100**	**37,000**	**30,000**	**16,400**
Vanadium	7440-62-2	**4.5**	**12**	NLV	NA	ID	**33**		<5	<1	<1	NS	<5	**1.9**	<1	NS	NS	<5	<1	**1.1**	NS	NS	<5	<1	**2.3**	NS
Zinc (B)	7440-66-6	2,400	**370 (G)**	NLV	NA	ID	**1110**		**17**	**14**	**17**	**23**	**21**	**53**	**33**	**24**	NS	**41**	**22**	**32**	**65**	NS	**10**	**4.7**	**22**	**9**
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL
Nitrogen Forms ug/L																										
Ammonia	7664-41-7	10,000 (N)	**53 (CC)**	3.2E+6	5.30E+8	ID	**4700**		NS	NS	NS	NS	**20**	NS	NS	**40**	NS	**280**	NS	NS	**200**	NS	**190**	NS	NS	**640**
PCBs ug/L																										
PCB, Aroclor 1254	11097-69-1	0.5 (A)	**0.2 (M); 2.6E-5**	45 (S)	44.7	ID	**0.14**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
All Remaining PCBs	Varies	0.5 (A)	0.2 (M); 2.6E-5	45 (S)	44.7	ID	BDL/<RCC		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Semivolatiles, BNAs ug/L																										
Naphthalene	91-20-3	520	11	31,000 (S)	31,000	NA	**5**		<5	NS	NS	<5	<5	NS	NS	<5	NS	<5	NS	NS	<5	NS	<5	NS	NS	<5
All Remaining BNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		<5	NS	NS	<5	<5	NS	NS	<5	NS	<5	NS	NS	<5	NS	<5	NS	NS	<5
Semivolatiles, PNAs, ug/L																										
Benzo(a)anthracene (Q)	56-55-3	**2.1**	ID	NLV	9.4	ID	**7.1**		<1	<5	<0.5	<1	<1	**1.1**	<0.5	<1	NS	<1	<5	<0.5	<1	NS	<1	<5	<1	<1
Benzo(a)pyrene (Q)	50-32-8	**5.0 (A)**	ID	NLV	1.62	ID	**13**		<1	<5	<0.5	<1	<1	**1.1**	<0.5	<1	NS	<1	<5	<0.5	<1	NS	<1	<5	<1	<1
Benzo(b)fluoranthene (Q)	205-99-2	**1.5 (S, AA)**	ID	ID	1.5	ID	**8**		<1	<5	<0.5	<1	<1	**1.4**	<0.5	<1	NS	<1	<5	<0.5	<1	NS	<1	<5	<1	<1
Benzo(g,h,i)perylene	191-24-2	**1.0 (M); 0.26 (S)**	ID	NLV	0.26	ID	**8.2**		<1	<5	<0.5	<1	<1	<0.5	<0.5	<1	NS	<1	<5	<0.5	<1	NS	<1	<5	<1	<1
Benzo(k)fluoranthene (Q)	207-08-9	**1.0 (M); 0.8 (S)**	NA	NLV	0.8	ID	**5.7**		<1	<5	<0.5	<1	<1	<0.5	<0.5	<1	NS	<1	<5	<0.5	<1	NS	<1	<5	<1	<1
Chrysene (Q)	218-01-9	**1.6 (S)**	ID	ID	1.6	ID	**9.5**		<1	<5	<0.5	<1	<1	**1.1**	<0.5	<1	NS	<1	<5	<0.5	<1	NS	<1	<5	<1	<1
Fluoranthene	206-44-0	210 (S)	**1.6**	210 (S)	206	ID	**16**		<1	<5	<0.5	<1	<1	**1.9**	<0.5	<1	NS	<1	<5	<0.5	<1	NS	<1	<5	<1	<1
Indeno(1,2,3-cd)pyrene (Q)	193-39-5	2.0 (M); 0.022 (S)	ID	NLV	0.022	ID	**7**		<2	<5	<0.5	<2	<2	**0.52**	<0.5	<2	NS	<2	<5	<0.5	<2	NS	<2	<5	<1	<2
Phenanthrene	85-01-8	52	**2.0 (M); 1.4**	1,000 (S)	1,000	ID	**16**		<2	<5	<0.5	<2	<2	**0.62**	<0.5	<2	NS	<2	<5	<0.5	<2	NS	<2	<5	<1	<2
All Remaining PNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL
Volatiles, VOCs ug/L																										
Benzene (I)	71-43-2	**5.0 (A)**	200 (X)	5,600	1.75E+6	68,000	**18**		<1	<1	<1	<1	<1	<1	<1	<1	NS	<1	<1	<1	<1	NS	<1	<1	<1	<1
cis-1,2-Dichloroethylene	156-59-2	**70 (A)**	620	93,000	3.50E+6	5.3E+5	**220**		**39**	**46**	**42**	**25**	**1.00**	**2.0**	**2.1**	**1.0**	NS	<1	<1	<1	<1	NS	<1	<1	<1	<1
Ethylbenzene (I)	100-41-4	74 (E)	**18**	1.1E+5	1.69E+5	43,000	**22**		<1	<1	<1	<1	<1	<1	<1	<1	NS	<1	<1	<1	<1	NS	<1	<1	<1	<1
2-Methylnaphthalene	91-57-6	260	**19**	25,000 (S)	24,600	ID	**86**		<5	NS	NS	<5	<5	NS	NS	<5	NS	<5	NS	NS	<5	NS	<5	NS	NS	<5
Tetrachloroethylene	127-18-4	**5.0 (A)**	**60 (X)**	25,000	2.0E+5	ID	**83**		<1	<1	<1	<1	<1	<1	<1	<1	NS	<1	<1	<1	<1	NS	<1	<1	<1	<1
Trichloroethylene	79-01-6	**5.0 (A)**	**200 (X)**	15,000	1.10E+6	ID	**310**		**89**	**110**	**97**	**67**	<1	<1	<1	<1	NS	<1	<1	<1	<1	NS	<1	<1	<1	<1
Vinyl chloride	75-01-4	**2.0 (A)**	**13 (X)**	1,100	2.76E+6	33,000	**50**		**1**	**1.1**	**1.1**	<1	<1	<1	<1	<1	NS	<1	<1	<1	<1	NS	<1	<1	<1	<1
All Remaining VOCs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL

AKT PEERLESS ENVIRONMENTAL SERVICES

Table 3: Summary of Groundwater Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#1	#3	#4	#7	#8		Parcel ID:	B				B				B				B			
Parameters*	Chemical Abstract Service Number	Residential Drinking Water Criteria and RBSLs	Groundwater Surface Water Interface Protection Criteria and RBSLs	Residential Groundwater Volatilization to Indoor Air Inhalation Criteria and RBSLs	Water Solubility	Flammability and Explosivity Screening Level	Maximum Concentration Detected	Sample Location	MW-9d				MW-10s				MW-10d				MW-11s			
								Collection Date	06/12/2013	9/12/2013	12/6/2013	04/11/2014	06/11/2013	9/16/2013	12/5/2013	04/15/2014	06/11/2013	9/10/2013	9/10/2013	12/5/2013	04/15/2014	06/12/2013	9/11/2013	12/13/2013	04/11/2014
(Refer to detailed laboratory report for method reference data)								Screen Depth (feet below surface)	19.5 - 24.5	19.5 - 24.5	19.5 - 24.5	19.5 - 24.5	10.0 - 15.0	10.0 - 15.0	10.0 - 15.0	10.0 - 15.0	20.0 - 25.0	20.0 - 25.0	20.0 - 25.0	20.0 - 25.0	20.0 - 25.0	12.0 - 17.0	12.0 - 17.0	12.0 - 17.0	12.0 - 17.0
Metals ug/L																									
Aluminum (B)	7429-90-5	**50 (V)**	NA	NLV	NA	ID	**17000**		**76**	**710**	**2,100**	**29**	**28**	**660**	**1,800**	**41**	**26**	**100**	**100**	**490**	**38**	**15**	**420**	**5**	**7**
Arsenic	7440-38-2	**10 (A)**	**10**	NLV	NA	ID	**525**		**17**	**23**	**25**	**19**	**525**	**420**	**410**	**473**	**45**	**26**	**27**	**33**	**19**	**9**	**9.8**	**2.7**	<2
Barium (B)	7440-39-3	**2,000 (A)**	**1,800 (G)**	NLV	NA	ID	**5400**		**333**	**300**	**340**	**345**	**202**	**220**	**230**	**216**	**144**	**120**	**120**	**140**	**152**	**306**	**290**	**290**	**276**
Chromium, Total	7440-47-3	100 (A)	**11**	NLV	NA	ID	**45**		<5	**2.8**	**6.1**	NS	<5	**1.3**	**3.5**	NS	<5	<1	<1	**1.4**	NS	<5	**1.8**	<1	NS
Chromium VI	18540-29-9	100 (A)	**11**	NLV	NA	ID	**12**		<10	NS	NS	NS	<10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron (B)	7439-89-6	**300 (E)**	NA	NLV	NA	ID	**35000**		**2,350**	**5,000**	**6,000**	**2,330**	**21,800**	**20,000**	**20,000**	**12,300**	**3,770**	**2,000**	**2,000**	**2,600**	**780**	**13,800**	**27,000**	**11,000**	**20,100**
Lead (B)	7439-92-1	**4.0 (L)**	**14 (G,X)**	NLV	NA	ID	**281**		<3	**2.2**	**4.2**	NS	<3	**3.4**	**11**	NS	<3	<1	<1	**1.7**	NS	<3	**19**	**1.7**	NS
Manganese (B)	7439-96-5	**50 (E)**	**1,300 (G,X)**	NLV	NA	ID	**2700**		**216**	**170**	**190**	**282**	**1,310**	**1,300**	**1,500**	**1,460**	**69**	**45**	**46**	**64**	**115**	**1,110**	**740**	**760**	**621**
Mercury, Total	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.006**		<0.2	<0.2	<0.2	NS	<0.2	<0.2	<0.2	NS	<0.2	<0.2	<0.2	<0.2	NS	<0.2	<0.2	<0.2	NS
Mercury, Low Level	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.016**		NS	NS	NS	NS	NS	NS	NS	NS	**0.00085**	**0.00501**	**0.00939**	NS	**0.00071**	NS	NS	NS	NS
Selenium (B)	7782-49-2	50 (A)	**5.0**	NLV	NA	ID	**12**		**9**	<1	**1.4**	**10**	<5	<1	<1	NS	<5	<1	<1	<1	NS	<5	<1	<1	NS
Silver (B)	7440-22-4	34	**0.2 (M); 0.06**	NLV	NA	ID	**2.1**		<0.5	<0.2	<0.2	NS	<0.5	<0.2	<0.2	NS	<0.5	<0.2	<0.2	<0.2	NS	<0.5	<0.2	<0.2	NS
Sodium	7440-23-5	**2.30E+05**	NA	NLV	NA	ID	**6.94E+05**		**694,000**	**650,000**	**690,000**	**635,000**	**21,400**	**21,000**	**27,000**	**17,500**	**168,000**	**150,000**	**160,000**	**150,000**	**147,000**	**124,000**	**27,000**	**250,000**	**195,000**
Vanadium	7440-62-2	**4.5**	**12**	NLV	NA	ID	**33**		<5	**1.8**	**5.1**	NS	<5	**1.4**	**4.1**	NS	<5	<1	<1	**1.1**	NS	<5	**2.5**	<1	NS
Zinc (B)	7440-66-6	2,400	**370 (G)**	NLV	NA	ID	**1110**		<5	<10	**19**	<5	<5	**13**	**27**	**42**	<5	<10	<10	**9.6**	**8**	**6**	**160**	**10**	**8**
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nitrogen Forms ug/L																									
Ammonia	7664-41-7	10,000 (N)	**53 (CC)**	3.2E+6	5.30E+8	ID	**4700**		**370**	NS	NS	**440**	**4,700**	NS	NS	**3,770**	**420**	NS	NS	NS	**290**	**910**	NS	NS	**820**
PCBs ug/L																									
PCB, Aroclor 1254	11097-69-1	0.5 (A)	**0.2 (M); 2.6E-5**	45 (S)	44.7	ID	**0.14**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.2	NS	NS
All Remaining PCBs	Varies	0.5 (A)	0.2 (M); 2.6E-5	45 (S)	44.7	ID	BDL/<RCC		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.2	NS	NS
Semivolatiles, BNAs ug/L																									
Naphthalene	91-20-3	520	11	31,000 (S)	31,000	NA	**5**		<5	NS	NS	<5	<5	NS	NS	<5	<5	NS	NS	NS	<5	<5	NS	NS	<5
All Remaining BNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		<5	NS	NS	<5	<5	NS	NS	<5	<5	NS	NS	NS	<5	<5	NS	NS	<5
Semivolatiles, PNAs, ug/L																									
Benzo(a)anthracene (Q)	56-55-3	**2.1**	ID	NLV	9.4	ID	**7.1**		<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<5	<5	<1	<1	<1	<2	<0.5	<1
Benzo(a)pyrene (Q)	50-32-8	**5.0 (A)**	ID	NLV	1.62	ID	**13**		<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<5	<5	<1	<1	<1	<2	<0.5	<1
Benzo(b)fluoranthene (Q)	205-99-2	**1.5 (S, AA)**	ID	ID	1.5	ID	**8**		<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<5	<5	<1	<1	<1	<2	<0.5	<1
Benzo(g,h,i)perylene	191-24-2	**1.0 (M); 0.26 (S)**	ID	NLV	0.26	ID	**8.2**		<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<5	<5	<1	<1	<1	<2	<0.5	<1
Benzo(k)fluoranthene (Q)	207-08-9	**1.0 (M); 0.8 (S)**	NA	NLV	0.8	ID	**5.7**		<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<5	<5	<1	<1	<1	<2	<0.5	<1
Chrysene (Q)	218-01-9	**1.6 (S)**	ID	ID	1.6	ID	**9.5**		<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<5	<5	<1	<1	<1	<2	<0.5	<1
Fluoranthene	206-44-0	210 (S)	**1.6**	210 (S)	206	ID	**16**		<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<5	<5	<1	<1	<1	<2	<0.5	<1
Indeno(1,2,3-cd)pyrene (Q)	193-39-5	2.0 (M); 0.022 (S)	ID	NLV	0.022	ID	**7**		<2	<0.5	<0.5	<2	<2	<0.5	<0.5	<2	<2	<5	<5	<1	<2	<2	<2	<0.5	<2
Phenanthrene	85-01-8	52	**2.0 (M); 1.4**	1,000 (S)	1,000	ID	**16**		<2	<0.5	<0.5	<2	<2	<0.5	<0.5	<2	<2	<5	<5	<1	<2	<2	<2	<0.5	<2
All Remaining PNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Volatiles, VOCs ug/L																									
Benzene (I)	71-43-2	**5.0 (A)**	200 (X)	5,600	1.75E+6	68,000	**18**		<1	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethylene	156-59-2	**70 (A)**	620	93,000	3.50E+6	5.3E+5	**220**		<1	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	**1.1**	<1	**7**	<1	<1	**2.0**
Ethylbenzene (I)	100-41-4	74 (E)	**18**	1.1E+5	1.69E+5	43,000	**22**		<1	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylnaphthalene	91-57-6	260	**19**	25,000 (S)	24,600	ID	**86**		<5	NS	NS	<5	<30	NS	NS	<30	<5	NS	NS	NS	<5	<5	NS	NS	<5
Tetrachloroethylene	127-18-4	**5.0 (A)**	**60 (X)**	25,000	2.0E+5	ID	**83**		<1	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	79-01-6	**5.0 (A)**	**200 (X)**	15,000	1.10E+6	ID	**310**		<1	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	<1	<1	**6**	<1	<1	**3**
Vinyl chloride	75-01-4	**2.0 (A)**	**13 (X)**	1,100	2.76E+6	33,000	**50**		<1	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	<1	<1	**5**	<1	<1	**1**
All Remaining VOCs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

AKT PEERLESS
ENVIRONMENTAL SERVICES

Table 3: Summary of Groundwater Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#1	#3	#4	#7	#8		Parcel ID:	B				B	B				B				B			
Parameters*	Chemical Abstract Service Number	Residential Drinking Water Criteria and RBSLs	Groundwater Surface Water Interface Protection Criteria and RBSLs	Residential Groundwater Volatilization to Indoor Air Inhalation Criteria and RBSLs	Water Solubility	Flammability and Explosivity Screening Level	Maximum Concentration Detected	Sample Location	MW-11d				DUP-3 (MW-11d)	MW-12s					MW-12d				MW-13			
(Refer to detailed laboratory report for method reference data)								Collection Date	06/12/2013	9/13/2013	12/5/2013	04/11/2014	04/11/2014	3/22/2010	6/11/2013	9/13/2013	12/4/2013	04/11/2014	6/11/2013	9/13/2013	12/4/2013	04/11/2014	6/13/2013	9/10/2013	12/9/2013	04/15/2014
								Screen Depth (feet below surface)	20.0 - 25.0	20.0 - 25.0	20.0 - 25.0	20.0 - 25.0	20.0 - 25.0	11.0 - 17.5	11.0 - 17.5	11.0 - 17.5	11.0 - 17.5	11.0 - 17.5	20.3 - 25.3	20.3 - 25.3	20.3 - 25.3	20.3 - 25.3	6.5 - 11.5	6.5 - 11.5	6.5 - 11.5	6.5 - 11.5
Metals ug/L																									
Aluminum (B)	7429-90-5	**50 (V)**	NA	NLV	NA	ID	**17000**		**62**	**40**	**440**	**18**	**25**	NS	**18**	**19**	**380**	**13**	**16**	**240**	**2,100**	**38**	**10**	**15**	**150**	**15**
Arsenic	7440-38-2	**10 (A)**	**10**	NLV	NA	ID	**525**		**155**	**220**	**320**	**151**	**105**	NS	<2	**2.6**	**2.5**	<2	**60**	**45**	**53**	**37**	**8**	**57**	**59**	**4**
Barium (B)	7440-39-3	**2,000 (A)**	**1,800 (G)**	NLV	NA	ID	**5400**		**61**	**53**	**58**	**57**	**54**	NS	**99**	**110**	**140**	**65**	**216**	**200**	**240**	**220**	**570**	**870**	**680**	**421**
Chromium, Total	7440-47-3	100 (A)	**11**	NLV	NA	ID	**45**		<5	<1	**1.6**	NS	NS	NS	<5	<1	<1	NS	<5	<1	**4.0**	NS	<5	<1	<1	NS
Chromium VI	18540-29-9	100 (A)	**11**	NLV	NA	ID	**12**		NS	NS	NS	NS	NS	NS	<10	NS	NS	NS	<10	NS	NS	NS	NS	NS	NS	NS
Iron (B)	7439-89-6	**300 (E)**	NA	NLV	NA	ID	**35000**		**6,030**	**8,100**	**10,000**	**5,800**	**4,150**	NS	**200**	**1,800**	**4,300**	**690**	**1,490**	**1,800**	**4,100**	**1,100**	**480**	**2,000**	**2,200**	**690**
Lead (B)	7439-92-1	**4.0 (L)**	**14 (G,X)**	NLV	NA	ID	**281**		<3	<1	**4.0**	NS	NS	NS	<3	<1	**2.2**	NS	<3	<1	**2.2**	NS	<3	<1	**1.7**	NS
Manganese (B)	7439-96-5	**50 (E)**	**1,300 (G,X)**	NLV	NA	ID	**2700**		**59**	**56**	**74**	**47**	**52**	NS	**20**	**380**	**660**	**135**	**48**	**45**	**90**	**48**	**462**	**1,600**	**1,300**	**309**
Mercury, Total	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.006**		<0.2	<0.2	<0.2	NS	NS	<0.0005	<0.2	<0.2	<0.2	NS	<0.2	<0.2	<0.2	NS	<0.2	<0.2	<0.2	NS
Mercury, Low Level	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.016**		NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.0005	NS	NS	NS	NS	**0.0011**	<0.0005	NS	**0.00094**
Selenium (B)	7782-49-2	50 (A)	**5.0**	NLV	NA	ID	**12**		<5	<1	<1	NS	NS	NS	<5	**1.4**	<1	NS	<5	<1	<1	NS	<5	<1	**1.1**	NS
Silver (B)	7440-22-4	34	**0.2 (M); 0.06**	NLV	NA	ID	**2.1**		<0.5	<0.2	<0.2	NS	NS	NS	<0.5	<0.2	<0.2	NS	<0.5	<0.2	<0.2	NS	<0.5	<0.2	<0.2	NS
Sodium	7440-23-5	**2.30E+05**	NA	NLV	NA	ID	**6.94E+05**		**101,000**	**97,000**	**100,000**	**101,000**	**102,000**	NS	**14,000**	**21,000**	**21,000**	**4,870**	**91,700**	**76,000**	**74,000**	**82,800**	**10,900**	**18,000**	**16,000**	**13,000**
Vanadium	7440-62-2	**4.5**	**12**	NLV	NA	ID	**33**		<5	<1	<1	NS	NS	NS	<5	<1	<1	NS	<5	<1	**4.1**	NS	<5	<1	<1	NS
Zinc (B)	7440-66-6	2,400	**370 (G)**	NLV	NA	ID	**1110**		**6**	<10	**23**	<5	<5	NS	**9**	<10	**13**	**11**	<5	<10	**34**	<5	<5	**4.1**	**18**	<5
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nitrogen Forms ug/L																										
Ammonia	7664-41-7	10,000 (N)	**53 (CC)**	3.2E+6	5.30E+8	ID	**4700**		**330**	NS	NS	**330**	**330**	NS	**20**	NS	NS	**50**	**330**	NS	NS	**260**	NS	NS	NS	NS
PCBs ug/L																										
PCB, Aroclor 1254	11097-69-1	0.5 (A)	**0.2 (M); 2.6E-5**	45 (S)	44.7	ID	**0.14**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.2	<0.2	NS
All Remaining PCBs	Varies	0.5 (A)	0.2 (M); 2.6E-5	45 (S)	44.7	ID	BDL/<RCC		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.2	<0.2	NS
Semivolatiles, BNAs ug/L																										
Naphthalene	91-20-3	520	11	31,000 (S)	31,000	NA	**5**		<5	NS	NS	<5	<5	NS	<5	NS	NS	<5	<5	NS	NS	<5	<5	NS	NS	<5
All Remaining BNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		<5	NS	NS	<5	<5	NS	<5	NS	NS	<5	<5	NS	NS	<5	<5	NS	NS	<5
Semivolatiles, PNAs, ug/L																										
Benzo(a)anthracene (Q)	56-55-3	**2.1**	ID	NLV	9.4	ID	**7.1**		<1	<0.5	<0.5	<1	<1	NS	<1	<5	<1	<1	<1	<0.5	<0.5	<1	<1	<5	<1	<1
Benzo(a)pyrene (Q)	50-32-8	**5.0 (A)**	ID	NLV	1.62	ID	**13**		<1	<0.5	<0.5	<1	<1	NS	<1	<5	<1	<1	<1	<0.5	<0.5	<1	<1	<5	<1	<1
Benzo(b)fluoranthene (Q)	205-99-2	**1.5 (S, AA)**	ID	ID	1.5	ID	**8**		<1	<0.5	<0.5	<1	<1	NS	<1	<5	<1	<1	<1	<0.5	<0.5	<1	<1	<5	<1	<1
Benzo(g,h,i)perylene	191-24-2	**1.0 (M); 0.26 (S)**	ID	NLV	0.26	ID	**8.2**		<1	<0.5	<0.5	<1	<1	NS	<1	<5	<1	<1	<1	<0.5	<0.5	<1	<1	<5	<1	<1
Benzo(k)fluoranthene (Q)	207-08-9	**1.0 (M); 0.8 (S)**	NA	NLV	0.8	ID	**5.7**		<1	<0.5	<0.5	<1	<1	NS	<1	<5	<1	<1	<1	<0.5	<0.5	<1	<1	<5	<1	<1
Chrysene (Q)	218-01-9	**1.6 (S)**	ID	ID	1.6	ID	**9.5**		<1	<0.5	<0.5	<1	<1	NS	<1	<5	<1	<1	<1	<0.5	<0.5	<1	<1	<5	<1	<1
Fluoranthene	206-44-0	210 (S)	**1.6**	210 (S)	206	ID	**16**		<1	<0.5	<0.5	<1	<1	NS	<1	<5	<1	<1	<1	<0.5	<0.5	<1	<1	<5	<1	<1
Indeno(1,2,3-cd)pyrene (Q)	193-39-5	2.0 (M); 0.022 (S)	ID	NLV	0.022	ID	**7**		<2	<0.5	<0.5	<2	<2	NS	<2	<5	<1	<2	<2	<0.5	<0.5	<2	<2	<5	<1	<2
Phenanthrene	85-01-8	52	**2.0 (M); 1.4**	1,000 (S)	1,000	ID	**16**		<2	<0.5	<0.5	<2	<2	NS	<2	<5	<1	<2	<2	<0.5	<0.5	<2	<2	<5	<1	<2
All Remaining PNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Volatiles, VOCs ug/L																										
Benzene (I)	71-43-2	**5.0 (A)**	200 (X)	5,600	1.75E+6	68,000	**18**		<1	<1	<1	<1	<1	NS	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethylene	156-59-2	**70 (A)**	620	93,000	3.50E+6	5.3E+5	**220**		<1	<1	<1	<1	<1	NS	<5	<1	<1	<1	**2.0**	**1.5**	**1.6**	**1.0**	<1	**2.0**	<1	<1
Ethylbenzene (I)	100-41-4	74 (E)	**18**	1.1E+5	1.69E+5	43,000	**22**		<1	<1	<1	<1	<1	NS	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylnaphthalene	91-57-6	260	**19**	25,000 (S)	24,600	ID	**86**		<5	NS	NS	<5	<5	NS	<30	NS	NS	<5	<5	NS	NS	<5	<5	NS	NS	<5
Tetrachloroethylene	127-18-4	**5.0 (A)**	**60 (X)**	25,000	2.0E+5	ID	**83**		<1	<1	<1	<1	<1	NS	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	79-01-6	**5.0 (A)**	**200 (X)**	15,000	1.10E+6	ID	**310**		<1	<1	<1	<1	<1	NS	<5	<1	<1	<1	<1	<1	<1	<1	<1	**1.2**	<1	<1
Vinyl chloride	75-01-4	**2.0 (A)**	**13 (X)**	1,100	2.76E+6	33,000	**50**		**2**	**2.4**	**2.9**	**2**	**2**	NS	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
All Remaining VOCs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

AKT PEERLESS
ENVIRONMENTAL SERVICES

Table 3: Summary of Groundwater Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#1	#3	#4	#7	#8		Parcel ID:	B				B				B				B		B
Parameters*	Chemical Abstract Service Number	Residential Drinking Water Criteria and RBSLs	Groundwater Surface Water Interface Protection Criteria and RBSLs	Residential Groundwater Volatilization to Indoor Air Inhalation Criteria and RBSLs	Water Solubility	Flammability and Explosivity Screening Level	Maximum Concentration Detected	Sample Location	MW-100s				MW-100d				MW-101s				MW-102s		MW-103s				DUP-2 (MW-103s)
								Collection Date	06/11/2013	9/17/2013	12/4/2013	04/10/2014	06/11/2013	9/10/2013	12/4/2013	04/10/2014	06/12/2013	9/17/2013	12/9/2013	04/09/2014	06/11/2013	04/09/2014	06/10/2013	9/16/2013	12/10/2013	04/14/2014	04/14/2014
(Refer to detailed laboratory report for method reference data)								Screen Depth (feet below surface)	12.5 - 17.5	12.5 - 17.5	12.5 - 17.5	12.5 - 17.5	20.0 - 25.0	20.0 - 25.0	20.0 - 25.0	20.0 - 25.0	5.0 - 10.0	5.0 - 10.0	5.0 - 10.0	5.0 - 10.0	3.0 - 8.0	3.0 - 8.0	7.0 - 12.0	7.0 - 12.0	7.0 - 12.0	7.0 - 12.0	7.0 - 12.0
Metals ug/L																											
Aluminum (B)	7429-90-5	**50 (V)**	NA	NLV	NA	ID	**17000**		**335**	**870**	**3,900**	**48**	**22**	**44**	**1,500**	**7**	**214**	**680**	**2,300**	**23**	**29**	**20**	**14**	**3,900**	**16,000**	**720**	**41**
Arsenic	7440-38-2	**10 (A)**	**10**	NLV	NA	ID	**525**		**5**	**7.5**	**12**	**8**	**103**	**92**	**160**	**100**	<2	<1	**1.3**	<2	<2	<2	<2	**9.2**	**39**	**7**	<2
Barium (B)	7440-39-3	**2,000 (A)**	**1,800 (G)**	NLV	NA	ID	**5400**		**128**	**120**	**140**	**117**	**90**	**86**	**87**	**80**	**75**	**72**	**77**	**68**	**136**	**212**	**61**	**73**	**150**	**64**	**59**
Chromium, Total	7440-47-3	100 (A)	**11**	NLV	NA	ID	**45**		<5	**1.7**	**5.1**	NS	<5	<1	**3.2**	NS	<5	**1.1**	**2.5**	NS	<5	NS	<5	**13**	**45**	NS	NS
Chromium VI	18540-29-9	100 (A)	**11**	NLV	NA	ID	**12**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	<10	NS	NS	NS	NS
Iron (B)	7439-89-6	**300 (E)**	NA	NLV	NA	ID	**35000**		**2,680**	**3,800**	**7,200**	**3,730**	**2,300**	**2,300**	**4,700**	**2,290**	**470**	**1,100**	**2,400**	**360**	**950**	**930**	**200**	**8,800**	**35,000**	**2,420**	**430**
Lead (B)	7439-92-1	**4.0 (L)**	**14 (G,X)**	NLV	NA	ID	**281**		<3	<1	**3.1**	NS	<3	<1	<1	NS	<3	<1	**2.3**	NS	**3**	**3**	<3	**8.3**	**39**	**3**	<3
Manganese (B)	7439-96-5	**50 (E)**	**1,300 (G,X)**	NLV	NA	ID	**2700**		**574**	**740**	**910**	**1,150**	**40**	**45**	**58**	**33**	**116**	**120**	**120**	**39**	**590**	**2,590**	**55**	**460**	**1,600**	**321**	**219**
Mercury, Total	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.006**		<0.2	<0.2	<0.2	NS	<0.2	<0.2	<0.2	NS	<0.2	<0.2	<0.2	NS	<0.2	NS	<0.2	<0.2	<0.2	NS	NS
Mercury, Low Level	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.016**		NS	NS	NS	NS	<0.0005	**0.00050**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**0.00073**	**0.00064**
Selenium (B)	7782-49-2	50 (A)	**5.0**	NLV	NA	ID	**12**		<5	<1	<1	NS	<5	<1	<1	NS	<5	**3.1**	**2.8**	NS	<5	NS	<5	**1.4**	**3.7**	NS	NS
Silver (B)	7440-22-4	34	**0.2 (M); 0.06**	NLV	NA	ID	**2.1**		<0.5	<0.2	<0.2	NS	<0.5	<0.2	<0.2	NS	<0.5	<0.2	<0.2	NS	<0.5	NS	<0.5	<0.2	<0.2	NS	NS
Sodium	7440-23-5	**2.30E+05**	NA	NLV	NA	ID	**6.94E+05**		**99,800**	**74,000**	**85,000**	**97,000**	**54,200**	**56,000**	**52,000**	**53,700**	**123,000**	**130,000**	**130,000**	**117,000**	**18,900**	**21,700**	**132,000**	**98,000**	**140,000**	**149,000**	**151,000**
Vanadium	7440-62-2	**4.5**	**12**	NLV	NA	ID	**33**		<5	**2.4**	**7.1**	NS	<5	<1	**2.5**	NS	<5	**1.3**	**3.3**	NS	<5	NS	<5	**8.8**	**33**	NS	NS
Zinc (B)	7440-66-6	2,400	**370 (G)**	NLV	NA	ID	**1110**		**5**	<10	**23**	<5	<5	**2.0**	**9.0**	<5	<5	<10	**23**	<5	**11**	**61**	<5	**22**	**87**	**8**	<5
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nitrogen Forms ug/L																											
Ammonia	7664-41-7	10,000 (N)	**53 (CC)**	3.2E+6	5.30E+8	ID	**4700**		**2,200**	NS	NS	**2,710**	**250**	NS	NS	**210**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs ug/L																											
PCB, Aroclor 1254	11097-69-1	0.5 (A)	**0.2 (M); 2.6E-5**	45 (S)	44.7	ID	**0.14**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
All Remaining PCBs	Varies	0.5 (A)	0.2 (M); 2.6E-5	45 (S)	44.7	ID	BDL/<RCC		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Semivolatiles, BNAs ug/L																											
Naphthalene	91-20-3	520	11	31,000 (S)	31,000	NA	**5**		<5	NS	NS	<5	<5	NS	NS	<5	<5	NS	NS	<5	<5	<5	<5	NS	NS	<5	<5
All Remaining BNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		<5	NS	NS	<5	<5	NS	NS	<5	<5	NS	NS	<5	<5	<5	<5	NS	NS	<5	<5
Semivolatiles, PNAs, ug/L																											
Benzo(a)anthracene (Q)	56-55-3	**2.1**	ID	NLV	9.4	ID	**7.1**		<1	**0.24**	<1	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.5	<0.5	<1	<1
Benzo(a)pyrene (Q)	50-32-8	**5.0 (A)**	ID	NLV	1.62	ID	**13**		<1	**0.16**	<1	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.5	<0.5	<1	<1
Benzo(b)fluoranthene (Q)	205-99-2	**1.5 (S, AA)**	ID	ID	1.5	ID	**8**		<1	<0.2	<1	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.5	<0.5	<1	<1
Benzo(g,h,i)perylene	191-24-2	**1.0 (M); 0.26 (S)**	ID	NLV	0.26	ID	**8.2**		<1	<0.2	<1	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.5	<0.5	<1	<1
Benzo(k)fluoranthene (Q)	207-08-9	**1.0 (M); 0.8 (S)**	NA	NLV	0.8	ID	**5.7**		<1	<0.2	<1	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.5	<0.5	<1	<1
Chrysene (Q)	218-01-9	**1.6 (S)**	ID	ID	1.6	ID	**9.5**		<1	<0.2	<1	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.5	<0.5	<1	<1
Fluoranthene	206-44-0	210 (S)	**1.6**	210 (S)	206	ID	**16**		<1	<0.2	<1	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.5	<0.5	<1	<1
Indeno(1,2,3-cd)pyrene (Q)	193-39-5	2.0 (M); 0.022 (S)	ID	NLV	0.022	ID	**7**		<2	<0.2	<1	<2	<2	<0.5	<0.5	<2	<2	<0.5	<0.5	<2	<2	<2	<2	<0.5	<0.5	<2	<2
Phenanthrene	85-01-8	52	**2.0 (M); 1.4**	1,000 (S)	1,000	ID	**16**		<2	**0.20**	<1	<2	<2	<0.5	<0.5	<2	<2	<0.5	<0.5	<2	<2	<2	<2	<0.5	<0.5	<2	<2
All Remaining PNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Volatiles, VOCs ug/L																											
Benzene (I)	71-43-2	**5.0 (A)**	200 (X)	5,600	1.75E+6	68,000	**18**		<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethylene	156-59-2	**70 (A)**	620	93,000	3.50E+6	5.3E+5	**220**		<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene (I)	100-41-4	74 (E)	**18**	1.1E+5	1.69E+5	43,000	**22**		<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylnaphthalene	91-57-6	260	**19**	25,000 (S)	24,600	ID	**86**		<30	NS	NS	<5	<5	NS	NS	<5	<5	NS	NS	<5	<5	<5	<5	NS	NS	<5	<5
Tetrachloroethylene	127-18-4	**5.0 (A)**	**60 (X)**	25,000	2.0E+5	ID	**83**		<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	79-01-6	**5.0 (A)**	**200 (X)**	15,000	1.10E+6	ID	**310**		<5	<1	<1	<1	<1	<1	**1.2**	<1	<1	<1	<1	<1	<1	<1	<1	<1	**1.0**	<1	<1
Vinyl chloride	75-01-4	**2.0 (A)**	**13 (X)**	1,100	2.76E+6	33,000	**50**		<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
All Remaining VOCs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

AKT PEERLESS ENVIRONMENTAL SERVICES

Table 3: Summary of Groundwater Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#1	#3	#4	#7	#8		Parcel ID:	B				B				B				B			
Parameters*	Chemical Abstract Service Number	Residential Drinking Water Criteria and RBSLs	Groundwater Surface Water Interface Protection Criteria and RBSLs	Residential Groundwater Volatilization to Indoor Air Inhalation Criteria and RBSLs	Water Solubility	Flammability and Explosivity Screening Level	Maximum Concentration Detected	Sample Location	MW-104s				MW-105s				MW-105d				MW-106s			
								Collection Date	06/12/2013	9/16/2013	12/10/2013	04/09/2014	06/12/2013	9/16/2013	12/5/2013	04/10/2014	06/12/2013	9/16/2013	12/5/2013	04/10/2014	06/12/2013	9/16/2013	12/9/2013	04/09/2014
(Refer to detailed laboratory report for method reference data)								Screen Depth (feet below surface)	3.0 - 8.0	3.0 - 8.0	3.0 - 8.0	3.0 - 8.0	5.0 - 10.0	5.0 - 10.0	5.0 - 10.0	5.0 - 10.0	13.0 - 18.0	13.0 - 18.0	13.0 - 18.0	13.0 - 18.0	4.5 - 9.5	4.5 - 9.5	4.5 - 9.5	4.5 - 9.5
Metals ug/L																								
Aluminum (B)	7429-90-5	**50 (V)**	NA	NLV	NA	ID	**17000**		**11**	**43**	**78**	**6**	**24**	**160**	**660**	**15**	**5,210**	**2,500**	**1,000**	**146**	**12**	**16**	**6.1**	**23**
Arsenic	7440-38-2	**10 (A)**	**10**	NLV	NA	ID	**525**		<2	**2.4**	**1.0**	<2	**11**	**7.2**	**9.4**	**6**	**52**	**51**	**49**	**49**	<2	**45**	**4.3**	<2
Barium (B)	7440-39-3	**2,000 (A)**	**1,800 (G)**	NLV	NA	ID	**5400**		**144**	**140**	**120**	**107**	**303**	**130**	**210**	**217**	**199**	**120**	**120**	**102**	**88**	**85**	**110**	**107**
Chromium, Total	7440-47-3	100 (A)	**11**	NLV	NA	ID	**45**		<5	**1.4**	<1	NS	<5	<1	**1.3**	NS	**25**	**5.7**	**3.0**	<5	<5	<1	<1	NS
Chromium VI	18540-29-9	100 (A)	**11**	NLV	NA	ID	**12**		<10	NS	NS	NS	<10	NS	NS	NS	<10	NS	NS	NS	<10	NS	NS	NS
Iron (B)	7439-89-6	**300 (E)**	NA	NLV	NA	ID	**35000**		**150**	**210**	**270**	**470**	**1,700**	**920**	**2,600**	**1,260**	**22,400**	**7,000**	**4,600**	**4,300**	**320**	**2,800**	**700**	**750**
Lead (B)	7439-92-1	**4.0 (L)**	**14 (G,X)**	NLV	NA	ID	**281**		<3	<1	**1.5**	NS	<3	<1	**3.3**	NS	**14**	**2.3**	<1	<3	<3	<1	<1	NS
Manganese (B)	7439-96-5	**50 (E)**	**1,300 (G,X)**	NLV	NA	ID	**2700**		**16**	**1,200**	**130**	**24**	**140**	**58**	**120**	**98**	**767**	**270**	**250**	**200**	**245**	**550**	**540**	**325**
Mercury, Total	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.006**		<0.2	<0.2	<0.2	NS	<0.2	<0.2	<0.2	NS	<0.2	<0.2	<0.2	NS	<0.2	<0.2	<0.2	NS
Mercury, Low Level	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.016**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium (B)	7782-49-2	50 (A)	**5.0**	NLV	NA	ID	**12**		<5	<1	<1	NS	<5	<1	<1	NS	<5	<1	<1	NS	<5	<1	<1	NS
Silver (B)	7440-22-4	34	**0.2 (M); 0.06**	NLV	NA	ID	**2.1**		<0.5	<0.2	<0.2	NS	<0.5	<0.2	<0.2	NS	<0.5	<0.2	<0.2	NS	<0.5	<0.2	<0.2	NS
Sodium	7440-23-5	**2.30E+05**	NA	NLV	NA	ID	**6.94E+05**		**41,000**	**42,000**	**88,000**	**28,600**	**319,000**	**200,000**	**280,000**	**233,000**	**272,000**	**200,000**	**220,000**	**165,000**	**221,000**	**120,000**	**160,000**	**216,000**
Vanadium	7440-62-2	**4.5**	**12**	NLV	NA	ID	**33**		<5	<1	<1	NS	<5	<1	**1.7**	NS	**20**	**5.7**	**2.5**	<4	<5	<1	<1	NS
Zinc (B)	7440-66-6	2,400	**370 (G)**	NLV	NA	ID	**1110**		<5	**13**	**13**	<5	**8**	**10**	**22**	**49**	**51**	**12**	**17**	<5	<5	<10	**9.0**	**7**
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nitrogen Forms ug/L																								
Ammonia	7664-41-7	10,000 (N)	**53 (CC)**	3.2E+6	5.30E+8	ID	**4700**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs ug/L																								
PCB, Aroclor 1254	11097-69-1	0.5 (A)	**0.2 (M); 2.6E-5**	45 (S)	44.7	ID	**0.14**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
All Remaining PCBs	Varies	0.5 (A)	0.2 (M); 2.6E-5	45 (S)	44.7	ID	BDL/<RCC		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Semivolatiles, BNAs ug/L																								
Naphthalene	91-20-3	520	11	31,000 (S)	31,000	NA	**5**		<5	NS	NS	<5	<5	NS	NS	<5	<5	NS	NS	<5	<5	NS	NS	<5
All Remaining BNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		<5	NS	NS	<5	<5	NS	NS	<5	<5	NS	NS	<5	<5	NS	NS	<5
Semivolatiles, PNAs, ug/L																								
Benzo(a)anthracene (Q)	56-55-3	**2.1**	ID	NLV	9.4	ID	**7.1**		<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1
Benzo(a)pyrene (Q)	50-32-8	**5.0 (A)**	ID	NLV	1.62	ID	**13**		<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1
Benzo(b)fluoranthene (Q)	205-99-2	**1.5 (S, AA)**	ID	ID	1.5	ID	**8**		<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1
Benzo(g,h,i)perylene	191-24-2	**1.0 (M); 0.26 (S)**	ID	NLV	0.26	ID	**8.2**		<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1
Benzo(k)fluoranthene (Q)	207-08-9	**1.0 (M); 0.8 (S)**	NA	NLV	0.8	ID	**5.7**		<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1
Chrysene (Q)	218-01-9	**1.6 (S)**	ID	ID	1.6	ID	**9.5**		<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1
Fluoranthene	206-44-0	210 (S)	**1.6**	210 (S)	206	ID	**16**		<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<1
Indeno(1,2,3-cd)pyrene (Q)	193-39-5	2.0 (M); 0.022 (S)	ID	NLV	0.022	ID	**7**		<2	<0.5	<0.5	<2	<2	<0.5	<0.5	<2	<2	<0.5	<0.5	<2	<2	<0.5	<0.5	<2
Phenanthrene	85-01-8	52	**2.0 (M); 1.4**	1,000 (S)	1,000	ID	**16**		<2	<0.5	<0.5	<2	<2	<0.5	<0.5	<2	<2	<0.5	<0.5	<2	<2	<0.5	<0.5	<2
All Remaining PNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Volatiles, VOCs ug/L																								
Benzene (I)	71-43-2	**5.0 (A)**	200 (X)	5,600	1.75E+6	68,000	**18**		<1	<1	<1	<1	**1**	<1	**1.0**	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethylene	156-59-2	**70 (A)**	620	93,000	3.50E+6	5.3E+5	**220**		<1	<1	<1	<1	**130**	**67**	**150**	**62**	**26**	**26**	**17**	**8**	<1	<1	<1	<1
Ethylbenzene (I)	100-41-4	74 (E)	**18**	1.1E+5	1.69E+5	43,000	**22**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylnaphthalene	91-57-6	260	**19**	25,000 (S)	24,600	ID	**86**		<5	NS	NS	<5	<5	NS	NS	<5	<5	NS	NS	<5	<5	NS	NS	<5
Tetrachloroethylene	127-18-4	**5.0 (A)**	**60 (X)**	25,000	2.0E+5	ID	**83**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	79-01-6	**5.0 (A)**	**200 (X)**	15,000	1.10E+6	ID	**310**		<1	<1	<1	<1	**78**	**32**	**94**	**46**	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	75-01-4	**2.0 (A)**	**13 (X)**	1,100	2.76E+6	33,000	**50**		<1	<1	<1	<1	**50**	**24**	**38**	**21**	**9**	**5.9**	**3.6**	**3**	<1	<1	<1	<1
All Remaining VOCs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

AKT PEERLESS™
ENVIRONMENTAL SERVICES

Table 3: Summary of Groundwater Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#1	#3	#4	#7	#8		Parcel ID:	B				B				B				B				B
Parameters*	Chemical Abstract Service Number	Residential Drinking Water Criteria and RBSLs	Groundwater Surface Water Interface Protection Criteria and RBSLs	Residential Groundwater Volatilization to Indoor Air Inhalation Criteria and RBSLs	Water Solubility	Flammability and Explosivity Screening Level	Maximum Concentration Detected	Sample Location	MW-106d				PZ-2				PZ-4				PZ-5				DMW-107
(Refer to detailed laboratory report for method reference data)								Collection Date	06/12/2013	9/16/2013	12/9/2013	04/09/2014	06/12/2013	9/12/2013	12/12/2013	04/11/2014	06/12/2013	9/12/2013	12/12/2013	04/11/2014	06/13/2013	9/12/2013	12/12/2013	04/11/2014	04/16/2014
								Screen Depth (feet below surface)	11.5 - 16.5	11.5 - 16.5	11.5 - 16.5	11.5 - 16.5	7.0 - 12.0	7.0 - 12.0	7.0 - 12.0	7.0 - 12.0	11.0 - 16.0	11.0 - 16.0	11.0 - 16.0	11.0 - 16.0	9.0 - 14.0	9.0 - 14.0	9.0 - 14.0	9.0 - 14.0	Unknown
Metals ug/L																									
Aluminum (B)	7429-90-5	**50 (V)**	NA	NLV	NA	ID	**17000**		**16**	**25**	**280**	**11**	**101**	**2,500**	**94**	**27**	**647**	**31**	**46**	**15**	**24**	**91**	**2,400**	**9**	**14**
Arsenic	7440-38-2	**10 (A)**	**10**	NLV	NA	ID	**525**		**12**	**9.4**	**11**	**14**	**19**	**30**	**21**	**8**	**328**	**270**	**310**	**376**	**17**	**17**	**13**	<2	<2
Barium (B)	7440-39-3	**2,000 (A)**	**1,800 (G)**	NLV	NA	ID	**5400**		**80**	**68**	**73**	**76**	**159**	**130**	**160**	**141**	**184**	**130**	**190**	**192**	**67**	**65**	**69**	**51**	**123**
Chromium, Total	7440-47-3	100 (A)	**11**	NLV	NA	ID	**45**		<5	<1	**1.0**	NS	<5	**5.5**	<1	NS	<5	<1	<1	NS	<5	<1	**2.8**	NS	<5
Chromium VI	18540-29-9	100 (A)	**11**	NLV	NA	ID	**12**		<10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron (B)	7439-89-6	**300 (E)**	NA	NLV	NA	ID	**35000**		**1,690**	**1,200**	**1,500**	**2,310**	**3,070**	**11,000**	**8,000**	**9,920**	**9,140**	**3,900**	**4,200**	**5,410**	**1,160**	**1,600**	**3,600**	**320**	**780**
Lead (B)	7439-92-1	**4.0 (L)**	**14 (G,X)**	NLV	NA	ID	**281**		<3	<1	<1	NS	**3**	**25**	<1	NS	**7**	<1	<1	NS	<3	<1	**3.5**	NS	<3
Manganese (B)	7439-96-5	**50 (E)**	**1,300 (G,X)**	NLV	NA	ID	**2700**		**331**	**380**	**330**	**421**	**558**	**750**	**860**	**1,020**	**407**	**240**	**340**	**314**	**157**	**290**	**440**	**100**	**226**
Mercury, Total	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.006**		<0.2	<0.2	<0.2	NS	<0.2	<0.2	<0.2	NS	<0.2	<0.2	<0.2	NS	<0.1	<0.2	<0.2	NS	NS
Mercury, Low Level	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.016**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium (B)	7782-49-2	50 (A)	**5.0**	NLV	NA	ID	**12**		<5	<1	<1	NS	<5	<1	<1	NS	<5	<1	<1	NS	<5	<1	<1	NS	NS
Silver (B)	7440-22-4	34	**0.2 (M); 0.06**	NLV	NA	ID	**2.1**		<0.5	<0.2	<0.2	NS	<0.5	<0.2	<0.2	NS	<0.5	<0.2	<0.2	NS	<0.5	<0.2	<0.2	NS	NS
Sodium	7440-23-5	**2.30E+05**	NA	NLV	NA	ID	**6.94E+05**		**364,000**	**300,000**	**290,000**	**343,000**	**80,200**	**94,000**	**110,000**	**110,000**	**29,600**	**29,000**	**50,000**	**43,500**	**21,700**	**23,000**	**11,000**	**14,900**	**45,200**
Vanadium	7440-62-2	**4.5**	**12**	NLV	NA	ID	**33**		<5	<1	**2.1**	NS	<5	**7.6**	<1	NS	<5	<1	<1	NS	<5	<1	**3.9**	NS	NS
Zinc (B)	7440-66-6	2,400	**370 (G)**	NLV	NA	ID	**1110**		<5	<10	**9.4**	<5	**6**	**21**	<1	**6**	**13**	<10	<10	<5	<5	<10	**15**	<5	**26**
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nitrogen Forms ug/L																									
Ammonia	7664-41-7	10,000 (N)	**53 (CC)**	3.2E+6	5.30E+8	ID	**4700**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<20
PCBs ug/L																									
PCB, Aroclor 1254	11097-69-1	0.5 (A)	**0.2 (M); 2.6E-5**	45 (S)	44.7	ID	**0.14**		NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.2	<0.2	NS	NS	NS	NS	NS	NS
All Remaining PCBs	Varies	0.5 (A)	0.2 (M); 2.6E-5	45 (S)	44.7	ID	BDL/<RCC		NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.2	<0.2	NS	NS	NS	NS	NS	NS
Semivolatiles, BNAs ug/L																									
Naphthalene	91-20-3	520	11	31,000 (S)	31,000	NA	**5**		<5	NS	NS	<5	<5	NS	NS	<5	<5	NS	NS	<5	<5	NS	NS	<5	<5
All Remaining BNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		<5	NS	NS	<5	<5	NS	NS	<5	<5	NS	NS	<5	<5	NS	NS	<5	<5
Semivolatiles, PNAs, ug/L																									
Benzo(a)anthracene (Q)	56-55-3	**2.1**	ID	NLV	9.4	ID	**7.1**		<1	<0.5	<0.5	<1	<1	<0.5	NS	<1	<1	<5	<0.5	<1	<1	<0.5	NS	<1	<1
Benzo(a)pyrene (Q)	50-32-8	**5.0 (A)**	ID	NLV	1.62	ID	**13**		<1	<0.5	<0.5	<1	<1	<0.5	NS	<1	<1	<5	<0.5	<1	<1	<0.5	NS	<1	<1
Benzo(b)fluoranthene (Q)	205-99-2	**1.5 (S, AA)**	ID	ID	1.5	ID	**8**		<1	<0.5	<0.5	<1	<1	<0.5	NS	<1	<1	<5	<0.5	<1	<1	<0.5	NS	<1	<1
Benzo(g,h,i)perylene	191-24-2	**1.0 (M); 0.26 (S)**	ID	NLV	0.26	ID	**8.2**		<1	<0.5	<0.5	<1	<1	<0.5	NS	<1	<1	<5	<0.5	<1	<1	<0.5	NS	<1	<1
Benzo(k)fluoranthene (Q)	207-08-9	**1.0 (M); 0.8 (S)**	NA	NLV	0.8	ID	**5.7**		<1	<0.5	<0.5	<1	<1	<0.5	NS	<1	<1	<5	<0.5	<1	<1	<0.5	NS	<1	<1
Chrysene (Q)	218-01-9	**1.6 (S)**	ID	ID	1.6	ID	**9.5**		<1	<0.5	<0.5	<1	<1	<0.5	NS	<1	<1	<5	<0.5	<1	<1	<0.5	NS	<1	<1
Fluoranthene	206-44-0	210 (S)	**1.6**	210 (S)	206	ID	**16**		<1	<0.5	<0.5	<1	<1	<0.5	NS	<1	<1	<5	<0.5	<1	<1	<0.5	NS	<1	<1
Indeno(1,2,3-cd)pyrene (Q)	193-39-5	2.0 (M); 0.022 (S)	ID	NLV	0.022	ID	**7**		<2	<0.5	<0.5	<2	<2	<0.5	NS	<2	<2	<5	<0.5	<2	<2	<0.5	NS	<2	<2
Phenanthrene	85-01-8	52	**2.0 (M); 1.4**	1,000 (S)	1,000	ID	**16**		<2	<0.5	<0.5	<2	<2	<0.5	NS	<2	<2	<5	<0.5	<2	<2	<0.5	NS	<2	<2
All Remaining PNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL
Volatiles, VOCs ug/L																									
Benzene (I)	71-43-2	**5.0 (A)**	200 (X)	5,600	1.75E+6	68,000	**18**		<1	<2.5	<2.5	<1	<1	<1	<1	<1	<1	<1	<1	NS	<1	<1	NS	<1	<1
cis-1,2-Dichloroethylene	156-59-2	**70 (A)**	620	93,000	3.50E+6	5.3E+5	**220**		**10**	**220**	**100**	**77**	<1	<1	<1	<1	**1.0**	**1.7**	**2.5**	**2.0**	**25**	**41**	NS	**20**	**24**
Ethylbenzene (I)	100-41-4	74 (E)	**18**	1.1E+5	1.69E+5	43,000	**22**		<1	<2.5	<2.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NS	<1	<1
2-Methylnaphthalene	91-57-6	260	**19**	25,000 (S)	24,600	ID	**86**		<5	NS	NS	<5	<5	NS	NS	<5	<5	NS	NS	<5	<5	NS	NS	<5	<5
Tetrachloroethylene	127-18-4	**5.0 (A)**	**60 (X)**	25,000	2.0E+5	ID	**83**		<1	**7.2**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NS	<1	<1
Trichloroethylene	79-01-6	**5.0 (A)**	**200 (X)**	15,000	1.10E+6	ID	**310**		**4**	**310**	**14**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NS	<1	**43**
Vinyl chloride	75-01-4	**2.0 (A)**	**13 (X)**	1,100	2.76E+6	33,000	**50**		<1	<5	<5	<1	<1	<1	<1	<1	**2**	**1.7**	**2.5**	**2**	**3**	**10**	NS	**3**	**1**
All Remaining VOCs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

AKT PEERLESS
ENVIRONMENTAL SERVICES

Table 3: Summary of Groundwater Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#1	#3	#4	#7	#8		Parcel ID:	B			B			B			B			B			B		
Parameters*	Chemical Abstract Service Number	Residential Drinking Water Criteria and RBSLs	Groundwater Surface Water Interface Protection Criteria and RBSLs	Residential Groundwater Volatilization to Indoor Air Inhalation Criteria and RBSLs	Water Solubility	Flammability and Explosivity Screening Level	Maximum Concentration Detected	Sample Location	WMW-11			WMW-12			WMW-13			WMW-14			WMW-15			WMW-16		
								Collection Date	9/9/2013	12/6/2013	04/15/2014	9/17/2013	12/6/2013	04/09/2014	9/18/2013	12/5/2013	04/11/2014	9/18/2013	12/9/2013	04/09/2014	9/11/2013	12/13/2013	04/15/2014	9/18/2013	12/5/2013	04/15/2014
(Refer to detailed laboratory report for method reference data)								Screen Depth (feet below surface)	12.0 - 17.0	12.0 - 17.0	12.0 - 17.0	17.0 - 22.0	17.0 - 22.0	17.0 - 22.0	8.0 - 13.0	8.0 - 13.0	8.0 - 13.0	10.0 - 15.0	10.0 - 15.0	10.0 - 15.0	10.0 - 15.0	10.0 - 15.0	10.0 - 15.0	6.0 - 11.0	6.0 - 11.0	6.0 - 11.0
Metals ug/L																										
Aluminum (B)	7429-90-5	**50 (V)**	NA	NLV	NA	ID	**17000**		**52**	**250**	**21**	**380**	**790**	**15**	**570**	**370**	**17**	**260**	**360**	**24**	**35**	**63**	**35**	**23**	**17**	**14**
Arsenic	7440-38-2	**10 (A)**	**10**	NLV	NA	ID	**525**		**14**	**18**	**12**	**4.0**	**3.4**	**4**	**47**	**70**	**70**	**3.0**	**4.2**	**3**	**62**	**66**	**78**	**62**	**65**	**59**
Barium (B)	7440-39-3	**2,000 (A)**	**1,800 (G)**	NLV	NA	ID	**5400**		**260**	**280**	**303**	**79**	**100**	**104**	**190**	**150**	**132**	**86**	**74**	**93**	**230**	**250**	**236**	**440**	**400**	**436**
Chromium, Total	7440-47-3	100 (A)	**11**	NLV	NA	ID	**45**		<1	**1.6**	**5**	<1	<1	NS	**2.1**	<1	<5	<1	**1.4**	NS	<1	<1	<5	<1	<1	NS
Chromium VI	18540-29-9	100 (A)	**11**	NLV	NA	ID	**12**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron (B)	7439-89-6	**300 (E)**	NA	NLV	NA	ID	**35000**		**20,000**	**20,000**	**16,000**	**2,300**	**2,600**	**2,650**	**15,000**	**14,000**	**17,400**	**1,500**	**1,200**	**640**	**18,000**	**18,000**	**24,900**	**1,800**	**2,300**	**3,500**
Lead (B)	7439-92-1	**4.0 (L)**	**14 (G,X)**	NLV	NA	ID	**281**		**1.4**	**3.9**	<3	<1	<1	NS	**49**	**28**	**4**	<1	<1	NS	<1	**1.3**	<3	<1	<1	NS
Manganese (B)	7439-96-5	**50 (E)**	**1,300 (G,X)**	NLV	NA	ID	**2700**		**390**	**350**	**401**	**96**	**59**	**47**	**1,600**	**1,100**	**998**	**260**	**120**	**166**	**1,200**	**1,200**	**1,170**	**560**	**510**	**583**
Mercury, Total	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.006**		<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS
Mercury, Low Level	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.016**		**0.00577**	NS	<0.0005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium (B)	7782-49-2	50 (A)	**5.0**	NLV	NA	ID	**12**		<1	<1	NS	<1	<1	NS	<1	<1	NS	**2.5**	<1	NS	<1	<1	NS	**1.0**	<1	NS
Silver (B)	7440-22-4	34	**0.2 (M); 0.06**	NLV	NA	ID	**2.1**		<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS
Sodium	7440-23-5	**2.30E+05**	NA	NLV	NA	ID	**6.94E+05**		**95,000**	**98,000**	**195,000**	**210,000**	**180,000**	**176,000**	**37,000**	**50,000**	**57,200**	**200,000**	**170,000**	**128,000**	**14,000**	**13,000**	**13,400**	**190,000**	**200,000**	**198,000**
Vanadium	7440-62-2	**4.5**	**12**	NLV	NA	ID	**33**		**1.0**	**1.3**	NS	<1	**1.2**	NS	**2.0**	**1.1**	NS	<1	**1.6**	NS	<1	<1	NS	<1	<1	NS
Zinc (B)	7440-66-6	2,400	**370 (G)**	NLV	NA	ID	**1110**		**3.3**	**12**	<5	<10	<10	<5	**28**	**21**	**10**	**10**	**14**	<5	<10	<10	<5	<10	<10	<5
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nitrogen Forms ug/L																										
Ammonia	7664-41-7	10,000 (N)	**53 (CC)**	3.2E+6	5.30E+8	ID	**4700**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs ug/L																										
PCB, Aroclor 1254	11097-69-1	0.5 (A)	**0.2 (M); 2.6E-5**	45 (S)	44.7	ID	**0.14**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.2	NS	NS	NS	NS	NS
All Remaining PCBs	Varies	0.5 (A)	0.2 (M); 2.6E-5	45 (S)	44.7	ID	BDL/<RCC		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.2	NS	NS	NS	NS	NS
Semivolatiles, BNAs ug/L																										
Naphthalene	91-20-3	520	11	31,000 (S)	31,000	NA	**5**		NS	NS	<5	NS	NS	NS	NS	NS	<5	NS	NS	NS	NS	NS	<5	NS	NS	<5
All Remaining BNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	NS	<5	NS	NS	NS	NS	NS	<5	NS	NS	NS	NS	NS	<5	NS	NS	<5
Semivolatiles, PNAs, ug/L																										
Benzo(a)anthracene (Q)	56-55-3	**2.1**	ID	NLV	9.4	ID	**7.1**		<5	<0.5	<1	<0.5	<0.5	NS	<0.5	**0.55**	<1	<0.5	<0.5	NS	<5	<0.5	<1	<2	<1	<1
Benzo(a)pyrene (Q)	50-32-8	**5.0 (A)**	ID	NLV	1.62	ID	**13**		<5	<0.5	<1	<0.5	<0.5	NS	<0.5	**0.55**	<1	<0.5	<0.5	NS	<5	<0.5	<1	<2	<1	<1
Benzo(b)fluoranthene (Q)	205-99-2	**1.5 (S, AA)**	ID	ID	1.5	ID	**8**		<5	<0.5	<1	<0.5	<0.5	NS	<0.5	**0.65**	<1	<0.5	<0.5	NS	<5	<0.5	<1	<2	<1	<1
Benzo(g,h,i)perylene	191-24-2	**1.0 (M); 0.26 (S)**	ID	NLV	0.26	ID	**8.2**		<5	<0.5	<1	<0.5	<0.5	NS	<0.5	<0.5	<1	<0.5	<0.5	NS	<5	<0.5	<1	<2	<1	<1
Benzo(k)fluoranthene (Q)	207-08-9	**1.0 (M); 0.8 (S)**	NA	NLV	0.8	ID	**5.7**		<5	<0.5	<1	<0.5	<0.5	NS	<0.5	<0.5	<1	<0.5	<0.5	NS	<5	<0.5	<1	<2	<1	<1
Chrysene (Q)	218-01-9	**1.6 (S)**	ID	ID	1.6	ID	**9.5**		<5	<0.5	<1	<0.5	<0.5	NS	<0.5	<0.5	<1	<0.5	<0.5	NS	<5	<0.5	<1	<2	<1	<1
Fluoranthene	206-44-0	210 (S)	**1.6**	210 (S)	206	ID	**16**		**2.0**	**2.2**	**3**	<0.5	<0.5	NS	<0.5	**0.82**	<1	<0.5	<0.5	NS	<5	<0.5	<1	<2	<1	<1
Indeno(1,2,3-cd)pyrene (Q)	193-39-5	2.0 (M); 0.022 (S)	ID	NLV	0.022	ID	**7**		<5	<0.5	<2	<0.5	<0.5	NS	<0.5	<0.5	<2	<0.5	<0.5	NS	<5	<0.5	<2	<2	<1	<2
Phenanthrene	85-01-8	52	**2.0 (M); 1.4**	1,000 (S)	1,000	ID	**16**		**7.2**	**8.8**	**5**	<0.5	<0.5	NS	<0.5	<0.5	<2	<0.5	<0.5	NS	<5	<0.5	<2	<2	<1	<2
All Remaining PNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	BDL	BDL
Volatiles, VOCs ug/L																										
Benzene (I)	71-43-2	**5.0 (A)**	200 (X)	5,600	1.75E+6	68,000	**18**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NS	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethylene	156-59-2	**70 (A)**	620	93,000	3.50E+6	5.3E+5	**220**		<1	<1	<1	<1	<1	<1	<1	<1	<1	**2.7**	**2.0**	**3**	<1	NS	<1	**4.4**	**7.3**	**9**
Ethylbenzene (I)	100-41-4	74 (E)	**18**	1.1E+5	1.69E+5	43,000	**22**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NS	<1	<1	<1	<1
2-Methylnaphthalene	91-57-6	260	**19**	25,000 (S)	24,600	ID	**86**		NS	NS	<5	NS	NS	<5	NS	NS	<5	NS	NS	<5	NS	NS	<5	NS	NS	<5
Tetrachloroethylene	127-18-4	**5.0 (A)**	**60 (X)**	25,000	2.0E+5	ID	**83**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NS	<1	<1	<1	<1
Trichloroethylene	79-01-6	**5.0 (A)**	**200 (X)**	15,000	1.10E+6	ID	**310**		<1	<1	<1	<1	<1	<1	<1	<1	<1	**2.5**	**2.2**	**3**	<1	NS	<1	<1	<1	<1
Vinyl chloride	75-01-4	**2.0 (A)**	**13 (X)**	1,100	2.76E+6	33,000	**50**		<1	<1	<1	<1	<1	<1	<1	<1	**1**	<1	<1	<1	<1	NS	<1	**4.5**	**3.8**	**4**
All Remaining VOCs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL

AKT PEERLESS
ENVIRONMENTAL SERVICES

Table 3: Summary of Groundwater Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#1	#3	#4	#7	#8		Parcel ID:	B			B			B			B			B			B		
Parameters*	Chemical Abstract Service Number	Residential Drinking Water Criteria and RBSLs	Groundwater Surface Water Interface Protection Criteria and RBSLs	Residential Groundwater Volatilization to Indoor Air Inhalation Criteria and RBSLs	Water Solubility	Flammability and Explosivity Screening Level	Maximum Concentration Detected	Sample Location	WMW-17			WMW-18			WMW-19			WMW-20			WMW-21			WMW-22		
(Refer to detailed laboratory report for method reference data)								Collection Date	9/10/2013	12/4/2013	4/10/2014	9/17/2013	12/4/2013	4/10/2014	9/18/2013	12/4/2013	4/10/2014	9/17/2013	12/10/2013	4/14/2014	9/17/2013	12/4/2013	4/11/2014	9/17/2013	12/9/2013	04/09/2014
								Screen Depth (feet below surface)	10.0 - 15.0	10.0 - 15.0	10.0 - 15.0	8.0 - 13.0	8.0 - 13.0	8.0 - 13.0	10.0 - 15.0	10.0 - 15.0	10.0 - 15.0	6.0 - 16.0	6.0 - 16.0	6.0 - 16.0	10.0 - 15.0	10.0 - 15.0	10.0 - 15.0	6.0 - 11.0	6.0 - 11.0	6.0 - 11.0
Metals ug/L																										
Aluminum (B)	7429-90-5	**50 (V)**	NA	NLV	NA	ID	**17000**		**6.4**	**110**	**12**	**29**	**68**	**10**	**140**	**270**	**10**	**1,800**	**52**	**10**	**30**	**140**	**12**	**3,000**	**2,300**	**23**
Arsenic	7440-38-2	**10 (A)**	**10**	NLV	NA	ID	**525**		**14**	**13**	**10**	**31**	**37**	**32**	**6.8**	**9.0**	**4**	**12**	**4.4**	**6**	**69**	**63**	**39**	**3.6**	**2.1**	<2
Barium (B)	7440-39-3	**2,000 (A)**	**1,800 (G)**	NLV	NA	ID	**5400**		**130**	**150**	**123**	**130**	**120**	**121**	**97**	**110**	**91**	**110**	**57**	**65**	**110**	**130**	**132**	**150**	**180**	**121**
Chromium, Total	7440-47-3	100 (A)	**11**	NLV	NA	ID	**45**		<1	<1	<5	<1	<1	NS	**9.5**	**15**	NS	**4.8**	<1	NS	<1	**1.3**	<5	**5.6**	**3.9**	NS
Chromium VI	18540-29-9	100 (A)	**11**	NLV	NA	ID	**12**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<20	NS	NS	NS	NS	NS	NS
Iron (B)	7439-89-6	**300 (E)**	NA	NLV	NA	ID	**35000**		**4,600**	**5,000**	**5,210**	**17,000**	**21,000**	**23,000**	**3,900**	**1,300**	**820**	**5,900**	**2,100**	**4,280**	**3,300**	**4,600**	**3,140**	**3,000**	**2,200**	**490**
Lead (B)	7439-92-1	**4.0 (L)**	**14 (G,X)**	NLV	NA	ID	**281**		<1	**5.4**	<3	<1	<1	NS	**1.0**	**1.5**	NS	**4.4**	**1.3**	NS	<1	**1.3**	<3	**5.9**	**4.1**	NS
Manganese (B)	7439-96-5	**50 (E)**	**1,300 (G,X)**	NLV	NA	ID	**2700**		**410**	**460**	**402**	**2,500**	**2,700**	**2,200**	**500**	**330**	**140**	**820**	**570**	**483**	**710**	**730**	**488**	**160**	**41**	**10**
Mercury, Total	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.006**		<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS
Mercury, Low Level	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.016**		**0.000373**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium (B)	7782-49-2	50 (A)	**5.0**	NLV	NA	ID	**12**		<1	<1	NS	<1	<1	NS	<1	<1	NS	<1	<1	NS	<1	<1	NS	**1.5**	**1.1**	NS
Silver (B)	7440-22-4	34	**0.2 (M); 0.06**	NLV	NA	ID	**2.1**		<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS
Sodium	7440-23-5	**2.30E+05**	NA	NLV	NA	ID	**6.94E+05**		**150,000**	**160,000**	**151,000**	**80,000**	**73,000**	**90,400**	**89,000**	**110,000**	**120,000**	**140,000**	**66,000**	**98,700**	**61,000**	**64,000**	**169,000**	**190,000**	**190,000**	**197,000**
Vanadium	7440-62-2	**4.5**	**12**	NLV	NA	ID	**33**		<1	<1	NS	<1	**1.1**	NS	**1.5**	**3.5**	NS	**4.6**	<1	NS	<1	<1	NS	**12**	**8.3**	NS
Zinc (B)	7440-66-6	2,400	**370 (G)**	NLV	NA	ID	**1110**		**3.9**	**19**	**5**	<10	**17**	**5**	**270**	**860**	**1,110**	**13**	**9.5**	<5	<10	**14**	<5	**12**	**16**	<5
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nitrogen Forms ug/L																										
Ammonia	7664-41-7	10,000 (N)	**53 (CC)**	3.2E+6	5.30E+8	ID	**4700**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs ug/L																										
PCB, Aroclor 1254	11097-69-1	0.5 (A)	**0.2 (M); 2.6E-5**	45 (S)	44.7	ID	**0.14**		<0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.2	<0.2	NS	NS	NS	NS
All Remaining PCBs	Varies	0.5 (A)	0.2 (M); 2.6E-5	45 (S)	44.7	ID	BDL/<RCC		<0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.2	<0.2	NS	NS	NS	NS
Semivolatiles, BNAs ug/L																										
Naphthalene	91-20-3	520	11	31,000 (S)	31,000	NA	**5**		NS	NS	NS	NS	NS	<5	NS	NS	NS	NS	NS	**5**	NS	NS	<5	NS	NS	<5
All Remaining BNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	NS	NS	NS	NS	<5	NS	NS	NS	NS	NS	<5	NS	NS	<5	NS	NS	<5
Semivolatiles, PNAs, ug/L																										
Benzo(a)anthracene (Q)	56-55-3	**2.1**	ID	NLV	9.4	ID	**7.1**		<5	<0.5	NS	<2	<1	<1	<0.5	<0.5	NS	<0.5	<0.5	<1	<0.5	<1	<1	<0.5	<0.5	<1
Benzo(a)pyrene (Q)	50-32-8	**5.0 (A)**	ID	NLV	1.62	ID	**13**		<5	<0.5	NS	<2	<1	<1	<0.5	<0.5	NS	<0.5	<0.5	<1	<0.5	<1	<1	<0.5	<0.5	<1
Benzo(b)fluoranthene (Q)	205-99-2	**1.5 (S, AA)**	ID	ID	1.5	ID	**8**		<5	<0.5	NS	<2	<1	<1	<0.5	<0.5	NS	<0.5	<0.5	<1	<0.5	<1	<1	<0.5	<0.5	<1
Benzo(g,h,i)perylene	191-24-2	**1.0 (M); 0.26 (S)**	ID	NLV	0.26	ID	**8.2**		<5	<0.5	NS	<2	<1	<1	<0.5	<0.5	NS	<0.5	<0.5	<1	<0.5	<1	<1	<0.5	<0.5	<1
Benzo(k)fluoranthene (Q)	207-08-9	**1.0 (M); 0.8 (S)**	NA	NLV	0.8	ID	**5.7**		<5	<0.5	NS	<2	<1	<1	<0.5	<0.5	NS	<0.5	<0.5	<1	<0.5	<1	<1	<0.5	<0.5	<1
Chrysene (Q)	218-01-9	**1.6 (S)**	ID	ID	1.6	ID	**9.5**		<5	<0.5	NS	<2	<1	<1	<0.5	<0.5	NS	<0.5	<0.5	<1	<0.5	<1	<1	<0.5	<0.5	<1
Fluoranthene	206-44-0	210 (S)	**1.6**	210 (S)	206	ID	**16**		<5	<0.5	NS	<2	<1	<1	<0.5	<0.5	NS	<0.5	<0.5	<1	<0.5	<1	<1	<0.5	<0.5	<1
Indeno(1,2,3-cd)pyrene (Q)	193-39-5	2.0 (M); 0.022 (S)	ID	NLV	0.022	ID	**7**		<5	<0.5	NS	<2	<1	<2	<0.5	<0.5	NS	<0.5	<0.5	<2	<0.5	<1	<2	<0.5	<0.5	<2
Phenanthrene	85-01-8	52	**2.0 (M); 1.4**	1,000 (S)	1,000	ID	**16**		<5	<0.5	NS	<2	<1	<2	<0.5	<0.5	NS	<0.5	<0.5	<2	<0.5	<1	<2	<0.5	<0.5	<2
All Remaining PNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	NS	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Volatiles, VOCs ug/L																										
Benzene (I)	71-43-2	**5.0 (A)**	200 (X)	5,600	1.75E+6	68,000	**18**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethylene	156-59-2	**70 (A)**	620	93,000	3.50E+6	5.3E+5	**220**		**1.2**	**2.0**	**1.0**	<1	<1	<1	**1.0**	**2.0**	**2**	**1.1**	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene (I)	100-41-4	74 (E)	**18**	1.1E+5	1.69E+5	43,000	**22**		<1	<1	<1	<1	<1	<1	<1	<1	<1	**22**	**2.5**	**18**	<1	<1	<1	<1	<1	<1
2-Methylnaphthalene	91-57-6	260	**19**	25,000 (S)	24,600	ID	**86**		NS	NS	<5	NS	NS	<5	NS	NS	<5	NS	NS	<5	NS	NS	<5	NS	NS	<5
Tetrachloroethylene	127-18-4	**5.0 (A)**	**60 (X)**	25,000	2.0E+5	ID	**83**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	79-01-6	**5.0 (A)**	**200 (X)**	15,000	1.10E+6	ID	**310**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	75-01-4	**2.0 (A)**	**13 (X)**	1,100	2.76E+6	33,000	**50**		<1	<1	<1	<1	<1	<1	**1.2**	**2.3**	**2**	<1	<1	<1	<1	<1	<1	<1	<1	<1
All Remaining VOCs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

AKT PEERLESS
ENVIRONMENTAL SERVICES

Table 3: Summary of Groundwater Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#1	#3	#4	#7	#8		Parcel ID:	B		B			B			B			C	C	C			C		
Parameters*	Chemical Abstract Service Number	Residential Drinking Water Criteria and RBSLs	Groundwater Surface Water Interface Protection Criteria and RBSLs	Residential Groundwater Volatilization to Indoor Air Inhalation Criteria and RBSLs	Water Solubility	Flammability and Explosivity Screening Level	Maximum Concentration Detected	Sample Location	WMW-23		WMW-24			WMW-25			WMW-26			C1/TMW	C2/TMW	WMW-27			WMW-28		
								Collection Date	2nd & 3rd 1/4	04/11/2014	9/17/2013	12/4/2013	04/10/2014	9/17/2013	12/6/2013	04/09/2014	9/17/2013	12/9/2013	04/10/2014	03/18/2010	03/18/2010	9/4/2013	12/3/2013	04/23/2014	9/4/2013	12/3/2013	04/23/2014
(Refer to detailed laboratory report for method reference data)								Screen Depth (feet below surface)	LNAPL Samples	13.0 - 23.0	15.0 - 20.0	15.0 - 20.0	15.0 - 20.0	15.0 - 20.0	15.0 - 20.0	15.0 - 20.0	25.0 - 30.0	25.0 - 30.0	25.0 - 30.0	2.0 - 7.0	10.0 - 15.0	23.0 - 33.0	23.0 - 33.0	23.0 - 33.0	50.0 - 60.0	50.0 - 60.0	50.0 - 60.0
Metals ug/L																											
Aluminum (B)	7429-90-5	**50 (V)**	NA	NLV	NA	ID	**17000**		NS	**32**	**310**	**95**	**6**	**780**	**740**	**120**	**520**	**2,100**	**61**	NS	NS	**480**	**3,600**	**943**	**2,400**	**4,700**	**499**
Arsenic	7440-38-2	**10 (A)**	**10**	NLV	NA	ID	**525**		NS	**268**	**14**	**18**	**32**	**11**	**11**	**9**	**6.3**	**10**	**4**	NS	NS	<1	<1	<2	**7.2**	**8.9**	**16**
Barium (B)	7440-39-3	**2,000 (A)**	**1,800 (G)**	NLV	NA	ID	**5400**		NS	**272**	**120**	**140**	**150**	**94**	**71**	**60**	**86**	**80**	**85**	NS	NS	**45**	**42**	**42**	**86**	**120**	**104**
Chromium, Total	7440-47-3	100 (A)	**11**	NLV	NA	ID	**45**		NS	<5	<1	<1	NS	**1.4**	**2.7**	NS	**1.6**	**7.4**	NS	NS	**38**	**2**	**6.3**	NS	**3.1**	**6.7**	NS
Chromium VI	18540-29-9	100 (A)	**11**	NLV	NA	ID	**12**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron (B)	7439-89-6	**300 (E)**	NA	NLV	NA	ID	**35000**		NS	**17,800**	**3,700**	**3,100**	**4,000**	**6,900**	**4,300**	**2,950**	**4,100**	**5,000**	**1,130**	NS	NS	**410**	**3,300**	**1,120**	**2,300**	**7,200**	**3,550**
Lead (B)	7439-92-1	**4.0 (L)**	**14 (G,X)**	NLV	NA	ID	**281**		NS	<3	<1	<1	NS	<1	**1.5**	NS	<1	**1.8**	NS	NS	**19**	<1	**2.5**	NS	**1.3**	**3.1**	NS
Manganese (B)	7439-96-5	**50 (E)**	**1,300 (G,X)**	NLV	NA	ID	**2700**		NS	**262**	**76**	**54**	**39**	**160**	**110**	**120**	**99**	**150**	**287**	NS	NS	**100**	**110**	**16**	**220**	**130**	**78**
Mercury, Total	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.006**		NS	NS	<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS	NS	NS	<0.2	<0.2	NS	<0.2	<0.2	NS
Mercury, Low Level	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.016**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium (B)	7782-49-2	50 (A)	**5.0**	NLV	NA	ID	**12**		NS	NS	<1	<1	NS	<1	<1	NS	<1	<1	NS	NS	NS	**3.3**	**1.2**	NS	<1	**1.3**	NS
Silver (B)	7440-22-4	34	**0.2 (M); 0.06**	NLV	NA	ID	**2.1**		NS	NS	<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS	NS	NS	<0.2	<0.2	NS	<0.2	<0.2	NS
Sodium	7440-23-5	**2.30E+05**	NA	NLV	NA	ID	**6.94E+05**		NS	**85,300**	**58,000**	**57,000**	**59,300**	**170,000**	**180,000**	**108,000**	**190,000**	**180,000**	**132,000**	NS	NS	**250,000**	**170,000**	**172,000**	**22,000**	**16,000**	**19,700**
Vanadium	7440-62-2	**4.5**	**12**	NLV	NA	ID	**33**		NS	NS	<1	<1	NS	<1	**2.2**	NS	**1.1**	**5.9**	NS	NS	NS	**1.2**	**5.5**	NS	**1.8**	**5.2**	NS
Zinc (B)	7440-66-6	2,400	**370 (G)**	NLV	NA	ID	**1110**		NS	<5	<10	**9.7**	<5	<10	**19**	**8**	<10	**15**	**10**	NS	NS	**7.2**	**15**	**6**	**9.7**	**40**	<5
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nitrogen Forms ug/L																											
Ammonia	7664-41-7	10,000 (N)	**53 (CC)**	3.2E+6	5.30E+8	ID	**4700**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs ug/L																											
PCB, Aroclor 1254	11097-69-1	0.5 (A)	**0.2 (M); 2.6E-5**	45 (S)	44.7	ID	**0.14**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
All Remaining PCBs	Varies	0.5 (A)	0.2 (M); 2.6E-5	45 (S)	44.7	ID	BDL/<RCC		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Semivolatiles, BNAs ug/L																											
Naphthalene	91-20-3	520	11	31,000 (S)	31,000	NA	**5**		NS	<5	NS	NS	NS	NS	NS	<5	NS	NS	NS	NS	NS	NS	NS	<5	NS	NS	<5
All Remaining BNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	<5	NS	NS	NS	NS	NS	<5	NS	NS	NS	NS	NS	NS	NS	<5	NS	NS	<5
Semivolatiles, PNAs, ug/L																											
Benzo(a)anthracene (Q)	56-55-3	**2.1**	ID	NLV	9.4	ID	**7.1**		NS	<1	<0.5	<0.5	NS	<0.5	<0.5	<1	<0.55	<0.5	NS	NS	NS	<5	<0.5	<1	<5	<0.5	<1
Benzo(a)pyrene (Q)	50-32-8	**5.0 (A)**	ID	NLV	1.62	ID	**13**		NS	<1	<0.5	<0.5	NS	<0.5	<0.5	<1	<0.55	<0.5	NS	NS	NS	<5	<0.5	<1	<5	<0.5	<1
Benzo(b)fluoranthene (Q)	205-99-2	**1.5 (S, AA)**	ID	ID	1.5	ID	**8**		NS	<1	<0.5	<0.5	NS	<0.5	<0.5	<1	<0.55	<0.5	NS	NS	NS	<5	<0.5	<1	<5	<0.5	<1
Benzo(g,h,i)perylene	191-24-2	**1.0 (M); 0.26 (S)**	ID	NLV	0.26	ID	**8.2**		NS	<1	<0.5	<0.5	NS	<0.5	<0.5	<1	<0.55	<0.5	NS	NS	NS	<5	<0.5	<1	<5	<0.5	<1
Benzo(k)fluoranthene (Q)	207-08-9	**1.0 (M); 0.8 (S)**	NA	NLV	0.8	ID	**5.7**		NS	<1	<0.5	<0.5	NS	<0.5	<0.5	<1	<0.55	<0.5	NS	NS	NS	<5	<0.5	<1	<5	<0.5	<1
Chrysene (Q)	218-01-9	**1.6 (S)**	ID	ID	1.6	ID	**9.5**		NS	<1	<0.5	<0.5	NS	<0.5	<0.5	<1	<0.55	<0.5	NS	NS	NS	<5	<0.5	<1	<5	<0.5	<1
Fluoranthene	206-44-0	210 (S)	**1.6**	210 (S)	206	ID	**16**		NS	<1	<0.5	<0.5	NS	<0.5	<0.5	<1	<0.55	<0.5	NS	NS	NS	<5	<0.5	<1	<5	<0.5	<1
Indeno(1,2,3-cd)pyrene (Q)	193-39-5	2.0 (M); 0.022 (S)	ID	NLV	0.022	ID	**7**		NS	<2	<0.5	<0.5	NS	<0.5	<0.5	<2	<0.55	<0.5	NS	NS	NS	<5	<0.5	<2	<5	<0.5	<2
Phenanthrene	85-01-8	52	**2.0 (M); 1.4**	1,000 (S)	1,000	ID	**16**		NS	<2	<0.5	<0.5	NS	<0.5	<0.5	<2	<0.55	<0.5	NS	NS	NS	<5	<0.5	<2	<5	<0.5	<2
All Remaining PNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	BDL	NS	NS	NS	BDL	BDL	BDL	BDL	BDL	BDL
Volatiles, VOCs ug/L																											
Benzene (I)	71-43-2	**5.0 (A)**	200 (X)	5,600	1.75E+6	68,000	**18**		NS	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethylene	156-59-2	**70 (A)**	620	93,000	3.50E+6	5.3E+5	**220**		NS	<1	**1.4**	**1.4**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene (I)	100-41-4	74 (E)	**18**	1.1E+5	1.69E+5	43,000	**22**		NS	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylnaphthalene	91-57-6	260	**19**	25,000 (S)	24,600	ID	**86**		NS	**56**	NS	NS	<5	NS	NS	<5	NS	NS	<5	<5	<5	NS	NS	<5	NS	NS	<5
Tetrachloroethylene	127-18-4	**5.0 (A)**	**60 (X)**	25,000	2.0E+5	ID	**83**		NS	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**83**	**34**	**68**	<1	<1	<1
Trichloroethylene	79-01-6	**5.0 (A)**	**200 (X)**	15,000	1.10E+6	ID	**310**		NS	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	75-01-4	**2.0 (A)**	**13 (X)**	1,100	2.76E+6	33,000	**50**		NS	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
All Remaining VOCs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

AKT PEERLESS
ENVIRONMENTAL SERVICES

Table 3: Summary of Groundwater Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#1	#3	#4	#7	#8		Parcel ID:	C			C				D	D	D	D	D	D	D		
Parameters*	Chemical Abstract Service Number	Residential Drinking Water Criteria and RBSLs	Groundwater Surface Water Interface Protection Criteria and RBSLs	Residential Groundwater Volatilization to Indoor Air Inhalation Criteria and RBSLs	Water Solubility	Flammability and Explosivity Screening Level	Maximum Concentration Detected	Sample Location	WMW-29			WMW-30			DUP-4 (WMW-30)	D-1/TMW	D-2/TMW	D-6/TMW	D-8/TMW	D-9/TMW	D-10/TMW	WMW-2		
(Refer to detailed laboratory report for method reference data)								Collection Date	9/4/2013	12/3/2013	04/23/2014	9/4/2013	12/3/2013	04/23/2014	04/23/2014	03/17/2010	03/17/2010	03/17/2010	03/17/2010	03/17/2010	03/17/2010	9/9/2013	12/3/2013	4/14/2014
								Screen Depth (feet below surface)	30.0 - 40.0	30.0 - 40.0	30.0 - 40.0	44.0 - 54.0	44.0 - 54.0	44.0 - 54.0	44.0 - 54.0	8.5 - 13.5	7.5 - 12.5	10.0 - 15.0	8.5 - 13.5	7.0 - 12.0	11.0 - 16.0	10.0 - 15.0	10.0 - 15.0	10.0 - 15.0
Metals ug/L																								
Aluminum (B)	7429-90-5	**50 (V)**	NA	NLV	NA	ID	**17000**		**4,500**	**9,800**	**2,090**	**1500**	**17,000**	**385**	**360**	**934**	NS	NS	NS	**348**	NS	**40**	**66**	**7**
Arsenic	7440-38-2	**10 (A)**	**10**	NLV	NA	ID	**525**		**13**	**14**	**18**	**2.9**	**4.9**	**6**	**7**	**57**	<2	**3**	**30**	**6**	**14**	**17**	**26**	**25**
Barium (B)	7440-39-3	**2,000 (A)**	**1,800 (G)**	NLV	NA	ID	**5400**		**120**	**190**	**144**	**61**	**70**	**68**	**67**	**211**	**131**	**94**	**901**	**377**	**125**	**640**	**750**	**769**
Chromium, Total	7440-47-3	100 (A)	**11**	NLV	NA	ID	**45**		**21**	**34**	NS	**5**	**12**	NS	NS	**17**	<5	<5	**6**	**18**	**7**	<1	<1	**7**
Chromium VI	18540-29-9	100 (A)	**11**	NLV	NA	ID	**12**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<20
Iron (B)	7439-89-6	**300 (E)**	NA	NLV	NA	ID	**35000**		**9,500**	**14,000**	**7,210**	**4,100**	**6,900**	**2,910**	**2,860**	**24,000**	NS	NS	NS	**3,320**	NS	**2,300**	**3,400**	**4,480**
Lead (B)	7439-92-1	**4.0 (L)**	**14 (G,X)**	NLV	NA	ID	**281**		**3**	**4.2**	NS	**1.2**	**2.7**	NS	NS	**281**	<3	**7**	**5**	**147**	<3	<1	**1.2**	<3
Manganese (B)	7439-96-5	**50 (E)**	**1,300 (G,X)**	NLV	NA	ID	**2700**		**200**	**290**	**106**	**110**	**170**	**49**	**43**	**1,640**	NS	NS	NS	**503**	NS	**190**	**260**	**229**
Mercury, Total	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.006**		<0.2	<0.2	NS	<0.2	<0.2	NS	NS	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NS
Mercury, Low Level	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.016**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005
Selenium (B)	7782-49-2	50 (A)	**5.0**	NLV	NA	ID	**12**		<1	<1	NS	<1	<1	NS	NS	<5	<5	<5	<5	<5	**6**	<1	<1	NS
Silver (B)	7440-22-4	34	**0.2 (M); 0.06**	NLV	NA	ID	**2.1**		<0.2	<0.2	NS	<0.2	**0.21**	NS	NS	<0.5	<0.5	<0.5	<0.5	<0.5	**2.1**	<0.2	<0.2	NS
Sodium	7440-23-5	**2.30E+05**	NA	NLV	NA	ID	**6.94E+05**		**110,000**	**140,000**	**157,000**	**320,000**	**370,000**	**352,000**	**352,000**	**43,700**	NS	NS	NS	**88,700**	NS	**81,000**	**84,000**	**113,000**
Vanadium	7440-62-2	**4.5**	**12**	NLV	NA	ID	**33**		**9.1**	**12**	NS	**2.9**	**6.3**	NS	NS	**9**	NS	NS	NS	**4**	NS	<1	<1	NS
Zinc (B)	7440-66-6	2,400	**370 (G)**	NLV	NA	ID	**1110**		**16**	**24**	**6**	**7.5**	**19**	<5	<5	**178**	<5	**26**	**9**	**49**	<5	**2.1**	**9.4**	<5
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nitrogen Forms ug/L																								
Ammonia	7664-41-7	10,000 (N)	**53 (CC)**	3.2E+6	5.30E+8	ID	**4700**		NS	NS	NS	NS	NS	NS	NS	**1,030**	NS	NS	NS	**240**	NS	NS	NS	NS
PCBs ug/L																								
PCB, Aroclor 1254	11097-69-1	0.5 (A)	**0.2 (M); 2.6E-5**	45 (S)	44.7	ID	**0.14**		NS	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS	<0.1	NS	NS	NS	NS
All Remaining PCBs	Varies	0.5 (A)	0.2 (M); 2.6E-5	45 (S)	44.7	ID	BDL/<RCC		NS	NS	NS	NS	NS	NS	NS	<0.1	NS	NS	NS	<0.1	NS	NS	NS	NS
Semivolatiles, BNAs ug/L																								
Naphthalene	91-20-3	520	11	31,000 (S)	31,000	NA	**5**		NS	NS	NS	NS	NS	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	<5
All Remaining BNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	NS	NS	NS	NS	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	<5
Semivolatiles, PNAs, ug/L																								
Benzo(a)anthracene (Q)	56-55-3	**2.1**	ID	NLV	9.4	ID	**7.1**		<5	<0.5	NS	<5	<0.5	<1	<1	<3	<5	<5	<5	<1	<5	<5	<0.5	<1
Benzo(a)pyrene (Q)	50-32-8	**5.0 (A)**	ID	NLV	1.62	ID	**13**		<5	<0.5	NS	<5	<0.5	<1	<1	<3	<5	<5	<5	<1	<5	<5	<0.5	<1
Benzo(b)fluoranthene (Q)	205-99-2	**1.5 (S, AA)**	ID	ID	1.5	ID	**8**		<5	<0.5	NS	<5	<0.5	<1	<1	<3	<5	<5	<5	<1	<5	<5	<0.5	<1
Benzo(g,h,i)perylene	191-24-2	**1.0 (M); 0.26 (S)**	ID	NLV	0.26	ID	**8.2**		<5	<0.5	NS	<5	<0.5	<1	<1	<3	<5	<5	<5	<1	<5	<5	<0.5	<1
Benzo(k)fluoranthene (Q)	207-08-9	**1.0 (M); 0.8 (S)**	NA	NLV	0.8	ID	**5.7**		<5	<0.5	NS	<5	<0.5	<1	<1	<3	<5	<5	<5	<1	<5	<5	<0.5	<1
Chrysene (Q)	218-01-9	**1.6 (S)**	ID	ID	1.6	ID	**9.5**		<5	<0.5	NS	<5	<0.5	<1	<1	<3	<5	<5	<5	<1	<5	<5	<0.5	<1
Fluoranthene	206-44-0	210 (S)	**1.6**	210 (S)	206	ID	**16**		<5	<0.5	NS	<5	<0.5	<1	<1	<3	<5	<5	<5	<1	<5	<5	<0.5	<1
Indeno(1,2,3-cd)pyrene (Q)	193-39-5	2.0 (M); 0.022 (S)	ID	NLV	0.022	ID	**7**		<5	<0.5	NS	<5	<0.5	<2	<2	<3	<5	<5	<5	<2	<5	<5	<0.5	<2
Phenanthrene	85-01-8	52	**2.0 (M); 1.4**	1,000 (S)	1,000	ID	**16**		<5	<0.5	NS	<5	<0.5	<2	<2	<3	<5	<5	<5	<2	<5	<5	<0.5	<2
All Remaining PNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Volatiles, VOCs ug/L																								
Benzene (I)	71-43-2	**5.0 (A)**	200 (X)	5,600	1.75E+6	68,000	**18**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethylene	156-59-2	**70 (A)**	620	93,000	3.50E+6	5.3E+5	**220**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene (I)	100-41-4	74 (E)	**18**	1.1E+5	1.69E+5	43,000	**22**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylnaphthalene	91-57-6	260	**19**	25,000 (S)	24,600	ID	**86**		NS	NS	<5	NS	NS	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	<5
Tetrachloroethylene	127-18-4	**5.0 (A)**	**60 (X)**	25,000	2.0E+5	ID	**83**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	79-01-6	**5.0 (A)**	**200 (X)**	15,000	1.10E+6	ID	**310**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	75-01-4	**2.0 (A)**	**13 (X)**	1,100	2.76E+6	33,000	**50**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
All Remaining VOCs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

AKT PEERLESS
ENVIRONMENTAL SERVICES

Table 3: Summary of Groundwater Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#1	#3	#4	#7	#8		Parcel ID:	D			D			D			D	E			E		
Parameters*	Chemical Abstract Service Number	Residential Drinking Water Criteria and RBSLs	Groundwater Surface Water Interface Protection Criteria and RBSLs	Residential Groundwater Volatilization to Indoor Air Inhalation Criteria and RBSLs	Water Solubility	Flammability and Explosivity Screening Level	Maximum Concentration Detected	Sample Location	WMW-3			WMW-4			WMW-5			DUP-1 (WMW-5)	WMW-6			WMW-7		
								Collection Date	9/6/2013	12/4/2013	04/16/2014	9/6/2013	12/3/2013	04/14/2014	9/6/2013	12/4/2013	04/16/2014	04/16/2014	9/9/2013	12/3/2013	04/14/2014	9/6/2013	12/3/2013	04/14/2014
*(Refer to detailed laboratory report for method reference data)								Screen Depth (feet below surface)	20.0 -25.0	20.0 -25.0	20.0 -25.0	15.0 - 20.0	15.0 - 20.0	15.0 - 20.0	6.0 - 11.0	6.0 - 11.0	6.0 - 11.0	6.0 - 11.0	18.0 - 23.0	18.0 - 23.0	18.0 - 23.0	15.0 - 20.0	15.0 - 20.0	15.0 - 20.0
Metals ug/L																								
Aluminum (B)	7429-90-5	**50 (V)**	NA	NLV	NA	ID	**17000**		**1,200**	**180**	**50**	**400**	**620**	**13**	**310**	**160**	**16**	**16**	**7**	**53**	**13**	**76**	**23**	**8**
Arsenic	7440-38-2	**10 (A)**	**10**	NLV	NA	ID	**525**		**9.4**	**20**	**16**	**1.9**	**1.3**	<2	**4.9**	**1.9**	<2	<2	**3.3**	**3.5**	**27**	<1	<1	<2
Barium (B)	7440-39-3	**2,000 (A)**	**1,800 (G)**	NLV	NA	ID	**5400**		**160**	**190**	**98**	**240**	**110**	**278**	**91**	**94**	**113**	**130**	**290**	**280**	**252**	**110**	**120**	**127**
Chromium, Total	7440-47-3	100 (A)	**11**	NLV	NA	ID	**45**		<1	<1	**5**	<1	**1.6**	<5	<1	<1	NS	NS	<1	<1	**7**	<1	<1	NS
Chromium VI	18540-29-9	100 (A)	**11**	NLV	NA	ID	**12**		NS	NS	NS	NS	NS	<10	NS	NS	NS	NS	NS	NS	<10	NS	NS	<10
Iron (B)	7439-89-6	**300 (E)**	NA	NLV	NA	ID	**35000**		**12,000**	**16,000**	**7,060**	**2,300**	**2,800**	**2,670**	**1,100**	**300**	**630**	**680**	**14,000**	**15,000**	**4,770**	**350**	**44**	**490**
Lead (B)	7439-92-1	**4.0 (L)**	**14 (G,X)**	NLV	NA	ID	**281**		<1	<1	<3	<1	<1	<3	<1	<1	NS	NS	<1	<1	<3	<1	<1	NS
Manganese (B)	7439-96-5	**50 (E)**	**1,300 (G,X)**	NLV	NA	ID	**2700**		**370**	**510**	**281**	**430**	**480**	**442**	**1,300**	**170**	**159**	**165**	**570**	**580**	**127**	**310**	**4.2**	**695**
Mercury, Total	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.006**		<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS	NS	<0.2	<0.2	NS	<0.2	<0.2	NS
Mercury, Low Level	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.016**		NS	NS	**0.016**	NS	NS	<0.0005	NS	NS	NS	NS	<0.0005	NS	<0.0005	NS	NS	NS
Selenium (B)	7782-49-2	50 (A)	**5.0**	NLV	NA	ID	**12**		<1	<1	NS	<1	<1	NS	<1	**2.6**	NS	NS	<1	<1	NS	<1	<1	NS
Silver (B)	7440-22-4	34	**0.2 (M); 0.06**	NLV	NA	ID	**2.1**		<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS	NS	<0.2	<0.2	NS	<0.2	<0.2	NS
Sodium	7440-23-5	**2.30E+05**	NA	NLV	NA	ID	**6.94E+05**		**14,000**	**15,000**	**16,400**	**270,000**	**210,000**	**324,000**	**32,000**	**33,000**	**22,400**	**22,600**	**53,000**	**48,000**	**72,100**	**210,000**	**210,000**	**206,000**
Vanadium	7440-62-2	**4.5**	**12**	NLV	NA	ID	**33**		<1	<1	NS	**1.9**	**2.1**	NS	<1	**1.0**	NS	NS	<1	<1	NS	<1	<1	NS
Zinc (B)	7440-66-6	2,400	**370 (G)**	NLV	NA	ID	**1110**		**3.7**	**20**	**7**	**4.3**	**11**	<5	**2.6**	**7.0**	<5	<5	**2.7**	**13**	<5	**3.8**	**11**	<5
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nitrogen Forms ug/L																								
Ammonia	7664-41-7	10,000 (N)	**53 (CC)**	3.2E+6	5.30E+8	ID	**4700**		NS	NS	**890**	NS	NS	**1,780**	NS	NS	**20**	**20**	NS	NS	**1,840**	NS	NS	NS
PCBs ug/L																								
PCB, Aroclor 1254	11097-69-1	0.5 (A)	**0.2 (M); 2.6E-5**	45 (S)	44.7	ID	**0.14**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
All Remaining PCBs	Varies	0.5 (A)	0.2 (M); 2.6E-5	45 (S)	44.7	ID	BDL/<RCC		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Semivolatiles, BNAs ug/L																								
Naphthalene	91-20-3	520	11	31,000 (S)	31,000	NA	**5**		NS	NS	<5	NS	NS	<5	NS	NS	<5	<5	NS	NS	<5	NS	NS	<5
All Remaining BNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		NS	NS	<5	NS	NS	<5	NS	NS	<5	<5	NS	NS	<5	NS	NS	<5
Semivolatiles, PNAs, ug/L																								
Benzo(a)anthracene (Q)	56-55-3	**2.1**	ID	NLV	9.4	ID	**7.1**		<5	<0.5	<1	<5	<0.5	<1	<5	<0.5	<1	<1	<5	<0.5	<1	<5	<0.5	<1
Benzo(a)pyrene (Q)	50-32-8	**5.0 (A)**	ID	NLV	1.62	ID	**13**		<5	<0.5	<1	<5	<0.5	<1	<5	<0.5	<1	<1	<5	<0.5	<1	<5	<0.5	<1
Benzo(b)fluoranthene (Q)	205-99-2	**1.5 (S, AA)**	ID	ID	1.5	ID	**8**		<5	<0.5	<1	<5	<0.5	<1	<5	<0.5	<1	<1	<5	<0.5	<1	<5	<0.5	<1
Benzo(g,h,i)perylene	191-24-2	**1.0 (M); 0.26 (S)**	ID	NLV	0.26	ID	**8.2**		<5	<0.5	<1	<5	<0.5	<1	<5	<0.5	<1	<1	<5	<0.5	<1	<5	<0.5	<1
Benzo(k)fluoranthene (Q)	207-08-9	**1.0 (M); 0.8 (S)**	NA	NLV	0.8	ID	**5.7**		<5	<0.5	<1	<5	<0.5	<1	<5	<0.5	<1	<1	<5	<0.5	<1	<5	<0.5	<1
Chrysene (Q)	218-01-9	**1.6 (S)**	ID	ID	1.6	ID	**9.5**		<5	<0.5	<1	<5	<0.5	<1	<5	<0.5	<1	<1	<5	<0.5	<1	<5	<0.5	<1
Fluoranthene	206-44-0	210 (S)	**1.6**	210 (S)	206	ID	**16**		<5	<0.5	<1	<5	<0.5	<1	<5	<0.5	<1	<1	<5	<0.5	<1	<5	<0.5	<1
Indeno(1,2,3-cd)pyrene (Q)	193-39-5	2.0 (M); 0.022 (S)	ID	NLV	0.022	ID	**7**		<5	<0.5	<2	<5	<0.5	<2	<5	<0.5	<2	<2	<5	<0.5	<2	<5	<0.5	<2
Phenanthrene	85-01-8	52	**2.0 (M); 1.4**	1,000 (S)	1,000	ID	**16**		<5	<0.5	<2	<5	<0.5	<2	<5	<0.5	<2	<2	<5	<0.5	<2	<5	<0.5	<2
All Remaining PNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Volatiles, VOCs ug/L																								
Benzene (I)	71-43-2	**5.0 (A)**	200 (X)	5,600	1.75E+6	68,000	**18**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethylene	156-59-2	**70 (A)**	620	93,000	3.50E+6	5.3E+5	**220**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene (I)	100-41-4	74 (E)	**18**	1.1E+5	1.69E+5	43,000	**22**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylnaphthalene	91-57-6	260	**19**	25,000 (S)	24,600	ID	**86**		NS	NS	<5	NS	NS	<5	NS	NS	<5	<5	NS	NS	<5	NS	NS	<5
Tetrachloroethylene	127-18-4	**5.0 (A)**	**60 (X)**	25,000	2.0E+5	ID	**83**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	79-01-6	**5.0 (A)**	**200 (X)**	15,000	1.10E+6	ID	**310**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	75-01-4	**2.0 (A)**	**13 (X)**	1,100	2.76E+6	33,000	**50**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
All Remaining VOCs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

AKT PEERLESS
ENVIRONMENTAL SERVICES

Table 3: Summary of Groundwater Analytical Results
2010-2014
Chevy Commons - Parcels A through E
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Guidesheet Number →		#1	#3	#4	#7	#8		Parcel ID:	E	E	E	E	E	E	E			E			E		
Parameters*	Chemical Abstract Service Number	Residential Drinking Water Criteria and RBSLs	Groundwater Surface Water Interface Protection Criteria and RBSLs	Residential Groundwater Volatilization to Indoor Air Inhalation Criteria and RBSLs	Water Solubility	Flammability and Explosivity Screening Level	Maximum Concentration Detected	Sample Location	E-2/ TMW	FD-2 (E-2/TMW)	E3/TMW	E4/TMW	E7/TMW	E10/TMW	WMW-8			WMW-9			WMW-10		
								Collection Date	03/15/2010	03/15/2010	03/18/2010	03/18/2010	03/18/2010	03/18/2010	9/6/2013	12/3/2013	04/16/2014	9/6/2013	12/4/2013	04/16/2014	9/12/2013	12/3/2013	04/16/2014
(Refer to detailed laboratory report for method reference data)								Screen Depth (feet below surface)	18.0 - 23.0	18.0 - 23.0	10.0 - 15.0	10.0 - 15.0	11.0 - 16.0	14.0 - 19.0	10.0 - 15.0	10.0 - 15.0	10.0 - 15.0	15.0 - 20.0	15.0 - 20.0	15.0 - 20.0	17.0 - 22.0	17.0 - 22.0'	17.0 - 22.0
Metals ug/L																							
Aluminum (B)	7429-90-5	**50 (V)**	NA	NLV	NA	ID	**17000**		**255**	**122**	NS	**18**	**75**	**44**	**31**	**40**	**20**	**250**	**70**	**13**	**690**	**1,700**	**60**
Arsenic	7440-38-2	**10 (A)**	**10**	NLV	NA	ID	**525**		**49**	**44**	**49**	**19**	**6**	**14**	**2.6**	**1.1**	<2	<1	<1	<2	<1	<1	<2
Barium (B)	7440-39-3	**2,000 (A)**	**1,800 (G)**	NLV	NA	ID	**5400**		**275**	**262**	**180**	**199**	**210**	**121**	**190**	**180**	**205**	**180**	**180**	**170**	**95**	**100**	**99**
Chromium, Total	7440-47-3	100 (A)	**11**	NLV	NA	ID	**45**		**17**	**14**	<5	**24**	**7**	**9**	<1	<1	<5	**2.0**	**1.5**	NS	**1.3**	**2.8**	NS
Chromium VI	18540-29-9	100 (A)	**11**	NLV	NA	ID	**12**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron (B)	7439-89-6	**300 (E)**	NA	NLV	NA	ID	**35000**		**24,000**	**24,000**	NS	**4,300**	**17,800**	**640**	**9,200**	**8,000**	**11,200**	**330**	**92**	**640**	**1,000**	**1,800**	**520**
Lead (B)	7439-92-1	**4.0 (L)**	**14 (G,X)**	NLV	NA	ID	**281**		**22**	3	<3	<3	<3	<3	<1	<1	<3	<1	<1	NS	<1	**1.4**	NS
Manganese (B)	7439-96-5	**50 (E)**	**1,300 (G,X)**	NLV	NA	ID	**2700**		**927**	**939**	NS	**1,200**	**611**	**65**	**270**	**530**	**620**	**24**	**7.4**	<5	**580**	**490**	**116**
Mercury, Total	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.006**		<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS
Mercury, Low Level	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID	**0.016**		NS	NS	NS	NS	NS	NS	NS	NS	<0.0005	NS	NS	NS	NS	NS	NS
Selenium (B)	7782-49-2	50 (A)	**5.0**	NLV	NA	ID	**12**		<5	<5	<5	<5	<5	<5	<1	<1	NS	<1	<1	NS	**4.1**	**4.9**	NS
Silver (B)	7440-22-4	34	**0.2 (M); 0.06**	NLV	NA	ID	**2.1**		<0.5	<0.5	<0.5	<0.5	<0.5	**0.6**	<0.2	<0.2	NS	<0.2	<0.2	NS	<0.2	<0.2	NS
Sodium	7440-23-5	**2.30E+05**	NA	NLV	NA	ID	**6.94E+05**		**61,200**	**63,400**	NS	**56,600**	**51,100**	**394,000**	**59,000**	**81,000**	**66,700**	**290,000**	**320,000**	**273,000**	**390,000**	**370,000**	**329,000**
Vanadium	7440-62-2	**4.5**	**12**	NLV	NA	ID	**33**		**5**	**5**	NS	**7**	**6**	<4	<1	<1	NS	<1	<1	NS	**1.7**	**3.4**	NS
Zinc (B)	7440-66-6	2,400	**370 (G)**	NLV	NA	ID	**1110**		**267**	**160**	<5	**54**	<5	<5	**2.4**	**9.0**	<5	**5.3**	**12**	<5	<10	**11**	<5
All Remaining Metals	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nitrogen Forms ug/L																							
Ammonia	7664-41-7	10,000 (N)	**53 (CC)**	3.2E+6	5.30E+8	ID	**4700**		**3,800**	**3,700**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs ug/L																							
PCB, Aroclor 1254	11097-69-1	0.5 (A)	**0.2 (M); 2.6E-5**	45 (S)	44.7	ID	**0.14**		<0.1	<0.1	NS	NS	NS	<0.1	NS	NS	NS	NS	NS	NS	NS	NS	NS
All Remaining PCBs	Varies	0.5 (A)	0.2 (M); 2.6E-5	45 (S)	44.7	ID	BDL/<RCC		<0.1	<0.1	NS	NS	NS	<0.1	NS	NS	NS	NS	NS	NS	NS	NS	NS
Semivolatiles, BNAs ug/L																							
Naphthalene	91-20-3	520	11	31,000 (S)	31,000	NA	**5**		<5	<5	<5	<5	<5	<5	NS	NS	<5	NS	NS	NS	NS	NS	NS
All Remaining BNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		<5	<5	<5	<5	<5	<5	NS	NS	<5	NS	NS	NS	NS	NS	NS
Semivolatiles, PNAs, ug/L																							
Benzo(a)anthracene (Q)	56-55-3	**2.1**	ID	NLV	9.4	ID	**7.1**		<1	<1	<5	<5	<5	<5	<5	<1	<1	<5	<0.5	NS	<0.5	<0.5	NS
Benzo(a)pyrene (Q)	50-32-8	**5.0 (A)**	ID	NLV	1.62	ID	**13**		<1	<1	<5	<5	<5	<5	<5	<1	<1	<5	<0.5	NS	<0.5	<0.5	NS
Benzo(b)fluoranthene (Q)	205-99-2	**1.5 (S, AA)**	ID	ID	1.5	ID	**8**		<1	<1	<5	<5	<5	<5	<5	<1	<1	<5	<0.5	NS	<0.5	<0.5	NS
Benzo(g,h,i)perylene	191-24-2	**1.0 (M); 0.26 (S)**	ID	NLV	0.26	ID	**8.2**		<1	<1	<5	<5	<5	<5	<5	<1	<1	<5	<0.5	NS	<0.5	<0.5	NS
Benzo(k)fluoranthene (Q)	207-08-9	**1.0 (M); 0.8 (S)**	NA	NLV	0.8	ID	**5.7**		<1	<1	<5	<5	<5	<5	<5	<1	<1	<5	<0.5	NS	<0.5	<0.5	NS
Chrysene (Q)	218-01-9	**1.6 (S)**	ID	ID	1.6	ID	**9.5**		<1	<1	<5	<5	<5	<5	<5	<1	<1	<5	<0.5	NS	<0.5	<0.5	NS
Fluoranthene	206-44-0	210 (S)	**1.6**	210 (S)	206	ID	**16**		<1	<1	<5	<5	<5	<5	<5	<1	<1	<5	<0.5	NS	<0.5	<0.5	NS
Indeno(1,2,3-cd)pyrene (Q)	193-39-5	2.0 (M); 0.022 (S)	ID	NLV	0.022	ID	**7**		<2	<2	<5	<5	<5	<5	<5	<1	<2	<5	<0.5	NS	<0.5	<0.5	NS
Phenanthrene	85-01-8	52	**2.0 (M); 1.4**	1,000 (S)	1,000	ID	**16**		<2	<2	<5	<5	<5	<5	<5	<1	<2	<5	<0.5	NS	<0.5	<0.5	NS
All Remaining PNAs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	NS
Volatiles, VOCs ug/L																							
Benzene (I)	71-43-2	**5.0 (A)**	200 (X)	5,600	1.75E+6	68,000	**18**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethylene	156-59-2	**70 (A)**	620	93,000	3.50E+6	5.3E+5	**220**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene (I)	100-41-4	74 (E)	**18**	1.1E+5	1.69E+5	43,000	**22**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylnaphthalene	91-57-6	260	**19**	25,000 (S)	24,600	ID	**86**		<5	<5	<5	<5	<5	<5	NS	NS	<5	NS	NS	<5	NS	NS	<5
Tetrachloroethylene	127-18-4	**5.0 (A)**	**60 (X)**	25,000	2.0E+5	ID	**83**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	79-01-6	**5.0 (A)**	**200 (X)**	15,000	1.10E+6	ID	**310**		<1	<1	<1	<1	<1	<1	<1	<1	<1	**1.5**	**1.0**	<1	<1	<1	<1
Vinyl chloride	75-01-4	**2.0 (A)**	**13 (X)**	1,100	2.76E+6	33,000	**50**		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
All Remaining VOCs	Varies	Varies	Varies	Varies	Varies	Varies	BDL/<RCC		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

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Table 4: Summary of Groundwater Analytical Data
Chevy Commons - Parcel K
Flint, Michigan
AKT Peerless Project No. 17713s-5-26

Parameters* *(Refer to detailed laboratory report for method reference data)*	Chemical Abstract Service Number	Residential Drinking Water Criteria	Groundwater Surface Water Interface Criteria	Residential Groundwater Volatilization to Indoor Air Inhalation Criteria & RBSLs	Water Solubility	Flammability and Explosivity Screening Level	Sample Location	TMW-1	TMW-2	TMW-3
							Collection Date	9/7/16	9/7/16	9/7/16
							Depth	10-15'	11-16'	8-13'
Semivolatiles, PNAs, ug/L										
Benzo(a)anthracene (Q)	56-55-3	2.1	ID	NLV	9.4	ID		BDL	**0.37**	BDL
Chrysene (Q)	218-01-9	1.6 (S)	ID	ID	1.6	ID		BDL	**0.25**	BDL
All remaining PNAs	Varies	Varies	Varies	Varies	Varies	Varies		BDL	BDL	BDL
Volatiles, VOCs, ug/L										
Acetone (I)	67-64-1	730	1,700	1.0E+9 (D,S)	1.00E+09	1.50E+07		BDL	**6.3**	**3.8**
Bromodichloromethane	75-27-4	80 (A,W)	ID	4,800	6.74E+06	ID		BDL	BDL	**2**
Carbon disulfide (I,R)	75-15-0	800	ID	2.50E+05	1.19E+06	13,000		BDL	BDL	**0.74**
Chloroform	67-66-3	80 (A,W)	350	28,000	7.92E+06	ID		BDL	BDL	**5.3**
Tetrachloroethylene	127-18-4	5.0 (A)	60 (X)	25,000	2.00E+05	ID		BDL	BDL	**2.7**
All Remaining VOCs	Varies	Varies	Varies	Varies	Varies	Varies		BDL	BDL	BDL
Metals ug/L										
Arsenic	7440-38-2	10 (A)	10	NLV	NA	ID		**1.6**	**6.8**	**1.1**
Barium (B)	7440-39-3	2,000 (A)	(G)	NLV	NA	ID		**120**	**370**	**160**
Cadmium (B)	7440-43-9	5.0 (A)	(G,X)	NLV	NA	ID		**0.3**	**0.12**	**0.35**
Chromium, Total (Cr VI criteria)	7440-47-3	100 (A)	11	NLV	NA	ID		**1.7**	BDL	BDL
Copper (B)	7440-50-8	1,000 (E)	(G)	NLV	NA	ID		**5.2**	**4**	**4.2**
Lead	7439-92-1	**4.0 (L)**	(G,X)	NLV	NA	ID		**1.4**	**4.1**	BDL
Mercury, Total	7439-97-6	2.0 (A)	**0.0013**	56 (S)	56	ID		**0.11**	**1.3**	**0.37**
Selenium (B)	7782-49-2	50 (A)	5	NLV	NA	ID		**3**	BDL	**1.5**
Silver (B)	7440-22-4	34	0.2 (M); 0.06	NLV	NA	ID		BDL	**0.09**	BDL
Zinc (B)	7440-66-6	2,400	(G)	NLV	NA	ID		**11**	**17**	**11**
PCBs ug/L										
All PCBs	Varies	0.5 (A)	0.2(M); 0.000026	45 (S)	44.7	ID		NS	NS	BDL/<RCC

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R 299.49 FOOTNOTES FOR GENERIC CLEANUP CRITERIA TABLES

Cleanup Criteria Requirements for Response Activity (formerly the Part 201 Generic Cleanup Criteria and Screening Levels)

(as last revised by EGLE on December 21, 2020)

(A) Criterion is the state of Michigan drinking water standard established pursuant to Section 5 of 1976 PA 399, MCL 325.1005.

(B) Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

(C) The criterion developed under R 299.20 to R 299.26 exceeds the chemical-specific soil saturation screening level (Csat). The person proposing or implementing response activity shall document whether additional response activity is required to control free-phase liquids or NAPL to protect against risks associated with free-phase liquids by using methods appropriate for the free-phase liquids present. Development of a site-specific Csat or methods presented in R 299.22, R 299.24(5), and R 299.26(8) may be conducted for the relevant exposure pathways.

(D) Calculated criterion exceeds 100 percent, hence it is reduced to 100 percent or 1.0E+9 parts per billion (ppb).

(E) Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA). A notice of aesthetic impact may be employed as an institutional control mechanism if groundwater concentrations exceed the aesthetic drinking water criterion, but do not exceed the applicable health-based drinking water value [as provided in the table in Footnote (E) in R 299.49].

(F) Criterion is based on adverse impacts to plant life and phytotoxicity.

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water. Where water hardness exceeds 400 mg CaCO3/L, use 400 mg CaCO3/L for the FCV calculation. The FCV formula provides values in units of ug/L or ppb. The generic GSI criterion is the lesser of the calculated FCV, the wildlife value (WV), and the surface water human non-drinking water value (HNDV). The soil GSI protection criteria for these hazardous substances are the greater of the 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote [See table in Footnote (G) in R 299.49].

(H) Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 ug/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

(I) Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules.

(J) Hazardous substance may be present in several isomer forms. Isomer-specific concentrations shall be added together for comparison to criteria.

(K) Hazardous substance may be flammable or explosive, or both.

(L) Criteria for lead are derived using a biologically based model, as allowed for under Section 20120a(9) of the NREPA, and are not calculated using the algorithms and assumptions specified in pathway-specific rules. The generic residential drinking water criterion of 4 ug/L is linked to the generic residential soil direct contact criterion of 400 mg/kg. A higher concentration in the drinking water, up to the state action level of 15 ug/L, may be allowed as a site-specific remedy and still allow for drinking water use, under Section 20120a(2) of the NREPA if soil concentrations are appropriately lower than 400 mg/kg. If a site-specific criterion is approved based on this subdivision, a notice shall be filed on the deed for all property where the groundwater concentrations will exceed 4 ug/L to provide notice of the potential for unacceptable risk if soil or groundwater concentrations increase. Acceptable concentrations of site-specific soil and drinking water concentrations are presented in the [See table in Footnote (L) in R 299.49].

(M) Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

(N) The concentrations of all potential sources of nitrate-nitrogen (e.g., ammonia-N, nitrite-N, nitrate-N) in groundwater that is used as a source of drinking water shall not, when added together, exceed the nitrate drinking water criterion of 10,000 ug/L. Where leaching to groundwater is a relevant pathway, soil concentrations of all potential sources of nitrate-nitrogen shall not, when added together, exceed the nitrate drinking water protection criterion of 2.0E+5 µg/kg.

(O) The concentrations of all potential sources of nitrate-nitrogen (e.g., ammonia-N, nitrite-N, nitrate-N) in groundwater that is used as a source of drinking water shall not, when added together, exceed the nitrate drinking water criterion of 10,000 ug/L. Where leaching to groundwater is a relevant pathway, soil concentrations of all potential sources of nitrate-nitrogen shall not, when added together, exceed the nitrate drinking water protection criterion of 2.0E+5 µg/kg.

(P) The concentrations of all potential sources of nitrate-nitrogen (e.g., ammonia-N, nitrite-N, nitrate-N) in groundwater that is used as a source of drinking water shall not, when added together, exceed the nitrate drinking water criterion of 10,000 ug/L. Where leaching to groundwater is a relevant pathway, soil concentrations of all potential sources of nitrate-nitrogen shall not, when added together, exceed the nitrate drinking water protection criterion of 2.0E+5 µg/kg.

(Q) Criteria for carcinogenic polycyclic aromatic hydrocarbons were developed using relative potential potencies to benzo(a)pyrene.

(R) Hazardous substance may exhibit the characteristic of reactivity as defined in 40 C.F.R. §261.23 (revised as of July 1, 2001), which is adopted by reference in these rules.

(S) Criterion defaults to the hazardous substance-specific water solubility limit.

(T) Refer to the federal Toxic Substances Control Act (TSCA), 40 C.F.R. §761, subpart D and 40 C.F.R. §761, Subpart G, to determine the applicability of TSCA cleanup standards. Subpart D and subpart G of 40 C.F.R. §761 (July 1, 2001) are adopted by reference in these rules. Alternatives to compliance with the TSCA standards listed below are possible under 40 C.F.R. §761 Subpart D. New releases may be subject to the standards identified in 40 C.F.R. §761, Subpart G. Use Part 201 soil direct contact cleanup criteria in the following table if TSCA standards are not applicable. [See table in Footnote (T) in R 299.49].

(U) Hazardous substance may exhibit the characteristic of corrosivity as defined in 40 C.F.R. §261.22 (revised as of July 1, 2001), which is adopted by reference in these rules.

(V) Criterion is the aesthetic drinking water value as required by Section 20120(a)(5) of the NREPA. Concentrations up to 200 ug/L may be acceptable, and still allow for drinking water use, as part of a site-specific cleanup under Section 20120a(2) and 20120b of the NREPA.

(W) Concentrations of trihalomethanes in groundwater shall be added together to determine compliance with the Michigan drinking water standard of 80 ug/L. Concentrations of trihalomethanes in soil shall be added together to determine compliance with the drinking water protection criterion of 1,600 ug/kg.

(X) The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source. For a groundwater discharge to the Great Lakes and their connecting waters or discharge in close proximity to a water supply intake in inland surface waters, the generic GSI criterion shall be the surface water human drinking water value (HDV) listed in the [table in Footnote (X) in R 299.49], except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion shall be the lowest of the HDV, the WV, and the calculated FCV. See formulas in [the table in Footnote (G) in R 299.49]. Soil protection criteria based on the HDV shall be as listed in the [table in Footnote (X) in R 299.49], except for those values with an asterisk. Soil GSI protection criteria based on the HDV shall be as listed in the [table in Footnote (X) in R 299.49], except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk shall be the greater of 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

(Y) Source size modifiers shown in the [See table in Footnote (Y) in R 299.49] shall be used to determine soil inhalation criteria for ambient air when the source size is not one-half acre. The modifier shall be multiplied by the generic soil inhalation criteria shown in the table of generic cleanup criteria to determine the applicable criterion. See Footnote (C) [in R 299.49].

(Z) Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

(AA) Use 10,000 ug/L where groundwater enters a structure through the use of a water well, sump or other device. Use 28,000 ug/L for all other uses.

(BB) The state drinking water standard for asbestos (fibers greater than 10 micrometers in length) is in units of a million fibers per liter of water (MFL). Soil concentrations of asbestos are determined by polarized light microscopy.

(CC) Groundwater: The generic GSI criteria are based on the toxicity of unionized ammonia (NH_3); the criteria are 29 ug/L and 53 ug/L for cold water and warm water surface water, respectively. As a result, the GSI criterion shall be compared to the percent of the total ammonia concentration in the groundwater that will become NH_3 in the surface water. This percent NH_3 is a function of the pH and temperature of the receiving surface water and can be estimated using the [table in Footnote (CC) in R 299.49], taken from Emerson, et al., (Journal of the Fisheries Research Board of Canada, Volume 32(12):2382, 1975). The generic approach for estimating NH_3 assumes a default pH of 8 and default temperatures of 68 °F and 85 °F for cold water and warm water surface water, respectively. The resulting NH_3 is 3.8 percent and 7.2 percent for cold water and warm water, respectively. This default percentage shall be multiplied by the total ammonia-nitrogen (NH_3-N) concentration in the groundwater and the resulting NH_3 concentration compared to the applicable GSI criterion. As an alternative, the maximum pH and temperature data from the specific receiving surface water can be used to estimate, from the [table in Footnote (CC) in R 299.49], a lower percent unionized ammonia concentration for comparison to the generic GSI.

Soil: The generic soil GSI protection criteria for unionized ammonia are 580 ug/kg and 1,100 ug/kg for cold water and warm water surface water, respectively.

(DD) Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure. Nonresidential direct contact criteria are protective for a pregnant adult receptor.

(EE) The [values listed in the table in Footnote (EE) in 299.49] are applicable generic GSI criteria as required by Section 20120e of the NREPA.

(FF) The chloride GSI criterion shall be 125 mg/L when the discharge is to surface waters of the state designated as public water supply sources or 50 mg/L when the discharge is to the Great Lakes or connecting waters. Chloride GSI criteria shall not apply for surface waters of the state that are not designated as a public water supply source, however, the total dissolved solids criterion is applicable.

(GG) Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and nonresidential land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or 8.4E+6 ug/m^3.

(HH) The residential criterion for sodium is 230,000 ug/L in accordance with the Sodium Advisory Council recommendation and revised Groundwater Discharge Standards.

(II) The residential drinking water criterion for 1,4-dioxane is not calculated using the equations of R 299.10 or the toxicological and chemical-physical data as shown in Table 4 of R 299.50. The drinking water criterion is calculated using the United States Environmental Protection Agency's (U.S. EPA) "Toxicological Review of 1,4-Dioxane" EPA/635/R-11/003F, September 2013, and the department's residential exposure algorithms to protect both children and adults from unsafe levels of the chemical.

ID Insufficient data to develop criterion.

NA A criterion or value is not available or, in the case of background and CAS numbers, not applicable.

NLL Hazardous substance is not likely to leach under most soil conditions.

NLV Hazardous substance is not likely to volatilize under most conditions.

ug/kg Micrograms per kilogram

ug/L Micrograms per liter

NS Not sampled

BDL Below Laboratory Method Detection Limits

BOLD Exceeds highlighted criteria.

Appendix A

Legal Description and Parcel Maps

Parcel A

Genesee County GIS

Parcel Report: 40-13-301-005

11/9/2022
2:21:10 PM



Property Address

N CHEVROLET AVE

FLINT, MI, 48503

Owner Address

GENESEE COUNTY

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-301-005
Property Class:	302
Class Name:	--
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	0
Zoning:	A-1

Legal Description

THAT PART OF LOTS 14 AND 15, BLK 1, WEST FLINT LYING NLY OF GRAND TRUNK WESTERN RAILROAD R/W AND WLY OF WLY LINE OF CHEVROLET AVE; ALSO THAT CONTIGUOUS PART OF LOTS 5 AND 6, PETER O'CONNERS SUBDIVISION OF PART OF LOT ONE OF THAYER & WRIGHT'S OUTLOTS, LYING NLY OF SD RAILROAD R/W; ALSO THAT CONTIGUOUS PART OF OUTLOT 1, THAYER & WRIGHT'S OUTLOTS, SECTION 9, SMITH'S RESERVATION, LYING NLY OF SD RAILROAD R/W; ALSO A CONTIGUOUS PART OF THURBER'S ADDITION TO WEST FLINT, DESC AS; LOTS 13 TO 17 INCLUSIVE, BLK 2; ALSO LOTS 18 TO 21 INCLUSIVE, BLK 3; ALSO PART OF LOTS 7, 8 9, 10 AND 12; BEG AT NWLY COR OF SD LOT 7; TH S 0 DEG 48 MIN 30 SEC W ALONG WLY LINE OF SD LOT, 19.19 FT TO NLY LINE OF SD RAILROAD R/W; TH N 87 DEG 22 MIN E ALONG SD NLY LINE 128.16 FT TO PC; TH ELY ALONG A TANGENT CURVE TO THE LEFT, RADIUS 15,416.74 FT, A CHORD BEARING AND DISTANCE OF N 86 DEG 47 MIN 30 SEC E, 304.96 FT TO THE INTERSEC OF ELY LINE OF SD ADDITION WITH NLY LINE OF SD LOT 12; TH S 89 DEG 30 MIN W ALONG NLY LINE OF SD LOTS 12, 10 9, 8 AND 7, 432.25 FT TO POB, BLK 1. EXC COM AT THE INTERSECTION OF SWLY LINE OF CHEVROLET AVE. AND THE NLY FACE OF AN EXISTING RETAINING WALL AT THE SLY BANK OF THE FLINT RIVER; TH S 83 DEG 25 MIN 21 SEC W, ALG SD NLY FACE, 27.47 FT TO AN ANGLE POINT IN SD WALL; TH, CONT ALG SD NWLY FACE OF SD WALL, S 59 DEG 46 MIN 45 SEC W, 584.07 FT TO AN ANGLE POINT IN SD WALL; TH S 09 DEG 58 MIN 57 SEC E, ALG THE WLY FACE OF SD WALL, 31.72 FT TO THE SLY FACE OF AN EXISTING RETAINING WALL; TH ALG SD SLY FACE, ON A CURVE TO THE RIGHT HAVING A RADIUS OF 661.26 FT, AN ARC OF 256.41 FT AND A CHORD BEARING AND DISTANCE OF S 72 DEG 28 MIN 20 SEC W, 254.81 FT; TH, CONT ALG SD SLY FACE, S 83 DEG 34 MIN 53 SEC W, 90.0 FT TO THE ELY LINE OF CENTER ST.; TH NLY TO C/L OF FLINT RIVER; TH ELY ALG SD C/L TO SWLY LINE OF CHEVROLET AVE.; TH SLY TO BEG.

Sales Information

Sale Date: 06-03-2020

Sale Price: 6263700
Instrument: CD
Grantor: CITY OF FLINT
Grantee: GENESEE COUNTY
Terms of Sale: 13-GOVERNMENT
Liber/Page: 202006180040409

Sale Date: 03-24-2012

Sale Price: 0
Instrument: QC
Grantor: ECONOMIC DEVELOPMENT CORP/FLINT
Grantee: CITY OF FLINT
Terms of Sale: 13-GOVERNMENT
Liber/Page: 201303040039777

Sale Date: 12-30-2008

Sale Price: 0
Instrument: QC
Grantor: DELPHI AUTOMOTIVE SYS
Grantee: ECONOMIC DEVELOPMENT CORP
Terms of Sale: 33-TO BE DETERMINED
Liber/Page: 200901140002036

Parcel B

Genesee County GIS

Parcel Report: 40-13-176-002

11/9/2022
2:24:19 PM



Property Address

306 S STEVENSON ST

FLINT, MI, 48504

Owner Address

GENESEE COUNTY

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-176-002
Property Class:	302
Class Name:	--
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	0
Zoning:	A-1

Legal Description

PART OF BLK 1, PLAT OF WEST FLINT AND PART OF PLAT OF ROBINSON PLACE AND PART OF BLK 3 OF PLAT OF MCFARLAN'S ADDITION TO WEST FLINT & PART OF EPHRAIM S. WILLIAMS' SUBDIVISION AND PART OF BANG'S REPLAT OF PART OF BLOCKS 6 AND 8, MCFARLAN & CO'S COTTAGE GROVE ADDITION DESC AS: BEG AT A PT ON WLY LINE OF STEVENSON ST, 257.19 FT, S 41 DEG 04' 05 SEC E FROM ITS INT WITH SLY LINE OF BLUFF ST; TH S 59 DEG 21' 35 SEC W, 98.48 FT; TH S 42 DEG 39' 38 SEC W, 104.4 FT; TH S 59 DEG 21' 35 SEC W, 412.66 FT; TH S 40 DEG 55' 29 SEC W, 79.06 FT; TH S 30 DEG 25' 01 SEC W, 50.16 FT; TH S 20 DEG 32' 57 SEC W, 94.23 FT; TH S 3 DEG 06' 40 SEC W, 331.01 FT; TH N 81 DEG 35' 08 SEC W, 18.08 FT; TH S 3 DEG 06' 40 SEC W, 41.75 FT; TH S 8 DEG 24' 52 SEC W, 83.83 FT; TH S 81 DEG 35' 08 SEC E, 15 FT; TH S 8 DEG 24' 52 SEC W, 85.02 FT; TH S 31 DEG 25' W, 187.98 FT; TH S 51 DEG 23' 05 SEC W, 68.90 FT; TH N 38 DEG 36' 55 SEC W, 15 FT; TH S 51 DEG 23' 05 SEC W, 259.5 FT; TH S 59 DEG 24' 07 SEC W, 412.04 FT TO ELY LINE OF CHEVROLET AVE; TH SLY ALG SD ELY LINE TO NLY LINE OF GRAND TRUNK WESTERN RAILROAD R/W; TH NELY ALG SD NLY LINE TO WLY LINE OF STEVENSON ST; TH NLY ALG SD WLY LINE TO POB.

Sales Information

Sale Date: 06-03-2020

Sale Price: 6263700
Instrument: CD
Grantor: CITY OF FLINT
Grantee: GENESEE COUNTY
Terms of Sale: 13-GOVERNMENT
Liber/Page: 202006180040409

Sale Date: 03-24-2012

Sale Price: 0
Instrument: QC
Grantor: ECONOMIC DEVELOPMENT CORP/FLINT
Grantee: CITY OF FLINT
Terms of Sale: 13-GOVERNMENT
Liber/Page: 201303040039777

Sale Date: 12-30-2008

Sale Price: 0
Instrument: QC
Grantor: DELPHI AUTOMOTIVE SYS
Grantee: ECONOMIC DEVELOPMENT CORP
Terms of Sale: 33-TO BE DETERMINED
Liber/Page: 200901140002036

Tax History *Total Due as of settlement date

Tax Details 2018 Winter

Parcel C

Genesee County GIS

Parcel Report: 40-13-326-005

11/9/2022
2:26:29 PM



Property Address

GLENWOOD AVE

FLINT, MI, 48504

Owner Address

GENESEE COUNTY

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-326-005
Property Class:	302
Class Name:	--
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	0
Zoning:	A-1

Legal Description

PART OF LOTS 7, 9, 10, 11, 12 AND 13, BLK 1 PLAT OF WEST FLINT AND A CONTIGIOUS PART OF EPHRAIM S. WILLIAMS SUBDIVISION DESC AS: BEG AT THE INTERSEC OF NELY LINE OF CHEVROLET AVE EXT SELY WITH NWLY LINE OF GLENWOOD AVE EXTENDED SWLY; TH N 33 DEG 53' 58" W ALG SD NELY LINE, 184.40 FT; TH N 56 DEG 42' 17" E, 65.30 FT; TH N 75 DEG 09' 53" E, 29.69 FT; TH N 65 DEG 56' 06" E, 67.60 FT; TH N 61 DEG 42' 38" E, 60.43 FT; TH N 60 DEG 54' 10" E, 299.93 FT; TH N 61 DEG 15' 50" E, 207.57 FT; TH N 55 DEG 56' 48" E, 48.28 FT; TH N 50 DEG 01' 12" E, 109.47 FT; TH N 45 DEG 11' 08" E, 88.57 FT; TH N 42 DEG 33' 04" E, 125.24 FT; TH N 31 DEG 13' 59" E, 137.79 FT; TH N 25 DEG 57' 55" E, 194.92 FT; TH N 17 DEG 49' 59" W, 19.47 FT; TH N 30 DEG 01' 49" E, 65.80 FT; TH N 31 DEG 11' 43" W, 25.86 FT; TH N 30 DEG 55' 47" E, 17.96 FT TO THE SLY LINE OF KEARSLEY ST AS ORIGINALLY PLATTED; TH N 60 DEG 15' E ALG SD SLY LINE TO WLY LINE OF ASYLUM ST; TH S 31 DEG 43' 45" E ALG SD WLY LINE TO A PT 80 FT NLY FROM ITS INT WITH NLY LINE OF GLENWOOD AVE; TH S 60 DEG 15' W, 80 FT; TH S 36 DEG 06' 10" E, 22.56 FT; TH S 60 DEG 15' W, 90.26 FT; TH S 29 DEG 24' 18" E, 20 FT; TH S 60 DEG 15' W, 50 FT TO WLY LINE OF SD LOT 7, BLK 1; TH SELY ALG SD WLY LINE TO NLY LINE OF GLENWOOD; TH SWLY ALG SD NLY LINE TO BEG; ALSO THAT PART OF VACATED KEARSLEY ST LYING SWLY OF THE WLY LINE OF ASYLUM ST AND ELY OF ELY ROW LINE OF GRAND TRUNK WESTERN RAILROAD; EXC THAT PART OF SD LOT 13 LYING SWLY OF THE FOLLOWING DESC LINE: COM AT SELY COR OF SD LOT; TH S 55 DEG 37' W, ALG SLY LINE OF SD LOT, 157.52 FT FOR POB; TH ALG A CURVE TO THE RT HAVING A RADIUS OF 25 FT, A CHORD BEARING & DIST OF N 77 DEG 27' 30" W, 36.52 FT; TH N 30 DEG 32' W, 157.69 FT TO POE ON THE SLY LINE OF SD R.R. ROW

Sales Information

Sale Date: 06-03-2020

Sale Price: 6263700
Instrument: CD
Grantor: CITY OF FLINT
Grantee: GENESEE COUNTY
Terms of Sale: 13-GOVERNMENT
Liber/Page: 202006180040409

Sale Date: 03-24-2012

Sale Price: 0
Instrument: QC
Grantor: ECONOMIC DEVELOPMENT CORP/FLINT
Grantee: CITY OF FLINT
Terms of Sale: 13-GOVERNMENT
Liber/Page: 201303040039777

Sale Date: 12-30-2008

Sale Price: 0
Instrument: QC
Grantor: DELPHI AUTOMOTIVE SYS
Grantee: ECONOMIC DEVELOPMENT CORP
Terms of Sale: 33-TO BE DETERMINED
Liber/Page: 200901140002036

Tax History *Total Due as of settlement date

Tax Details 2018 Winter

Parcel D

Genesee County GIS

Parcel Report: 40-13-251-004

11/9/2022
2:27:30 PM



Property Address

307 S STEVENSON ST

FLINT, MI, 48504

Owner Address

GENESEE COUNTY

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-251-004
Property Class:	302
Class Name:	--
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	0
Zoning:	A-1

Legal Description

PART OF BLK C OF MCFARLAN & CO'S COTTAGE GROVE ADDITION & PART OF BLK 1 OF WEST FLINT & PART OF BLKS 1 & 2 OF MCFARLAN'S ADDITION TO WEST FLINT & PART OF SEC 8 PLAT OF SECTIONS 2, 3, 4, 5, 6 AND 8, BEING PART OF THE RESERVE AT NEAR THE GRAND TRAVERSE ON FLINT RIVER DESC AS: BEG AT A PT ON ELY LINE OF STEVENSON ST. 257.97 FT, S 40 DEG 38' 13 SEC E FROM ITS INT WITH SLY LINE OF BLUFF ST; TH N 59 DEG 21' 35 SEC E, 147.73 FT; TH N 89 DEG 46' 17 SEC E, 59.26 FT; TH N 47 DEG 23' 01 SEC E, 168.67 FT; TH N 15 DEG 46' 06 SEC E, 55.23 FT; TH N 14 DEG 11' 26 SEC E, 122.46 FT; TH N 38 DEG 11' 30 SEC E, 118.10 FT; TH N 58 DEG 07' 18 SEC E 124.97 FT; TH S 85 DEG 19' 47 SEC E 14.20 FT; TH N 8 DEG 19' 03 SEC W TO SWLY BANK OF FLINT RIVER; TH SELY ALG SD SWLY BANK TO NLY LINE OF GRAND TRUNK WESTERN RAILROAD R/W; TH WLY ALG SD NLY LINE TO ELY LINE OF STEVENSON ST; TH NLY ALG SD ELY LINE TO BEG.

Sales Information

Sale Date: 06-03-2020

Sale Price: 6263700
Instrument: CD
Grantor: CITY OF FLINT
Grantee: GENESEE COUNTY
Terms of Sale: 13-GOVERNMENT
Liber/Page: 202006180040409

Sale Date: 03-24-2012

Sale Price: 0
Instrument: QC
Grantor: ECONOMIC DEVELOPMENT CORP/FLINT
Grantee: CITY OF FLINT
Terms of Sale: 13-GOVERNMENT
Liber/Page: 201303040039777

Tax History *Total Due as of settlement date

Tax Details 2018 Winter

Parcel E

Genesee County GIS

Parcel Report: 40-13-251-011

11/9/2022
2:28:16 PM



Property Address

300 N CHEVROLET AVE

FLINT, MI, 48504

Owner Address

GENESEE COUNTY

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-251-011
Property Class:	302
Class Name:	--
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	0
Zoning:	A-1

Legal Description

LOTS 7 THRU 11 INCL; ALSO LOTS 13 THRU 15 INCL; ALSO THAT PART OF LOT 6 LYING SLY OF SLY LINE OF GRAND TRUNK WESTERN RAILROAD R/W, BLK 1; ALSO LOTS 5 THRU 10 INCL; ALSO THAT PART OF LOTS 1, 3 & 4 LYING SLY OF SLY LINE OF SD RAILROAD R/W, BLK 4; ALSO LOTS 3 THRU 10 INCL; ALSO THAT PART OF LOTS 1 & 2 LYING SLY OF SLY LINE OF SD RAILROAD R/W, BLK 5; ALSO LOTS 1 THRU 6 INCL, BLK 6; ALSO LOTS 1 THRU 6 INCL, BLK 7; EXC THAT PART OF SD LOTS 8 & 10, BLK 4 & SD LOTS 4, 5 & 6, BLK 7 LYING WLY & SLY OF FOLL DESC LINE: BEG AT A PT ON NLY LINE OF KEARSLEY ST N 60 DEG 51 MIN E, 128.50 FT FROM INT OF SD NLY LINE WITH ELY LINE OF STEVENSON ST; TH S 67 DEG 41 MIN 34 SEC W, 62.95 FT; TH S 60 DEG 51 MIN W, 29.70 FT; TH ON A CURVE TO THE RIGHT HAVING A RADIUS OF 20 FT AND A CENTRAL ANGLE OF 89 DEG 35 MIN ON A CHORD BEARING & DISTANCE OF N 74 DEG 21 MIN 30 SEC W, 28.18 FT; TH N 29 DEG 34 MIN W, 69.76 FT; TH N 36 DEG 24 MIN 34 SEC W, 138.49 FT FOR P.O.E. ALL IN MCFARLAN'S ADDITION TO WEST FLINT; ALSO THAT PART OF BLK 1 OF SD ADDITION AND THAT PART OF SECTION 8, PLAT OF SECTIONS 2, 3, 4, 5 6 & 8 BEING PART OF THE RESERVE AT NEAR THE GRAND TRAVERSE ON FLINT RIVER LYING NLY & WLY OF THE FOLL DESC LINE: BEG AT A PT ON NLY LINE OF KEARSLEY ST WHICH IS S 58 DEG 13 MIN 55 SEC W, 116.05 FT AND S 60 DEG 16 MIN 59 SEC W, 115.86 FT FROM INT OF WLY LINE OF ISLAND ST WITH NLY LINE OF KEARSLEY ST; TH N 35 DEG 48 MIN 55 SEC W 111.08 FT; TH ON A CURVE TO THE RIGHT, HAVING A RADIUS OF 121.81 FT AND AN ARC LENGTH OF 58.83 FT, CHORD BEARING & DISTANCE OF N 21 DEG 58 MIN 48 SEC W, 58.26 FT; TH N 08 DEG 08 MIN 40 SEC W, 175 FT; TH N 02 DEG 13 MIN 35 SEC E, 77.91 FT; TH N 05 DEG 30 MIN 51 SEC E, 15.76 FT; TH N 5 DEG 30 MIN 50 SEC W, 55.99 FT TO SLY LINE OF GRAND TRUNK WESTERN RAILROAD R/W FOR P.O.E.

Sales Information

Sale Date: 06-03-2020

Sale Price: 6263700
Instrument: CD
Grantor: CITY OF FLINT
Grantee: GENESEE COUNTY
Terms of Sale: 13-GOVERNMENT
Liber/Page: 202006180040409

Sale Date: 03-24-2012

Sale Price: 0
Instrument: QC
Grantor: ECONOMIC DEVELOPMENT CORP/FLINT
Grantee: CITY OF FLINT
Terms of Sale: 13-GOVERNMENT
Liber/Page: 201303040039777

Tax History *Total Due as of settlement date

Tax Details 2018 Winter

Parcel F

Genesee County GIS

Parcel Report: 40-13-301-003

11/9/2022
2:22:52 PM



Property Address

N CHEVROLET AVE

FLINT, MI, 48503

Owner Address

GENESEE COUNTY

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-301-003
Property Class:	202
Class Name:	--
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	0
Zoning:	A-1

Legal Description

PART OF THURBER'S ADDITION TO WEST FLINT AND PART UNPLATTED LAND T7N, R6E DESC AS COM AT THE INT OF SELY LINE OF HASSELBRING STREET, AS OCCUPIED, AND SWLY LINE OF CHEVROLET AVE.; TH ALG SD SWLY LINE, S 31 DEG 30 MIN 53 SEC E, 398.51 FT AND S 61 DEG 01 MIN 48 SEC E, 26.74 FT AND S 31 DEG 06 MIN 17 SEC E, 85.02 FT TO POB; TH CONT S 31 DEG 06 MIN 17 SEC E ALG SD SWLY LINE OF CHEVROLET AVE.; 142.87 FT TO THE INT OF SD SWLY LINE AND THE NLY FACE OF AN EXISTING RETAINING WALL; TH S 83 DEG 25 MIN 21 SEC W, ALG SD NLY FACE, 27.47 FT TO AN ANGLE POINT IN SD WALL; TH CONT ALG SD NWLY FACE OF SD WALL, S 59 DEG 46 MIN 45 SEC W, 584.07 FT TO AN ANGLE POINT IN SD WALL; TH S 09 DEG 58 MIN 57 SEC E, ALG WLY FACE OF SD WALL, 31.72 FT TO THE SLY FACE OF AN EXISTING RETAINING WALL; TH ALG SD SLY FACE, ON A CURVE TO THE RIGHT HAVING A RADIUS OF 661.26 FT, AN ARC OF 256.41 FT AND A CHORD BEARING AND DIS- TANCE OF S 72 DEG 28 MIN 20 SEC W, 254.81 FT; TH CONT ALG SD SLY FACE, S 83 DEG 34 MIN 53 SEC W, 90.0 FT TO ELY LINE OF CENTER STREET AS RECORDED IN SD THURBER'S ADDITION TO WEST FLINT; TH N 00 DEG 45 MIN 37 SEC W ALG SD ELY LINE, 90.80 FT TO C. L. OF FLINT RIVER CHANNEL AS SHOWN ON CORPS OF ENGINEERS DRAWING OF SECTION "A" DATED MAY, 1964; TH ALG SD C.L. S 83 DEG 42 MIN 23 SEC W, 81.65 FT AND ON A CURVE TO THE RIGHT HAVING A RADIUS OF 716.20 FT, AN ARC OF 313.25 FT AND A CHORD BEARING AND DISTANCE OF N 83 DEG 45 MIN 49 SEC W, 310.76 FT AND N 71 DEG 14 MIN 01 SEC W, 415.23 FT; TH N 18 DEG 49 MIN 52 SEC E, 91.15 FT TO THE NLY FACE OF AN EXISTING RETAINING WALL; TH ALG SD NLY FACE, S 71 DEG 10 MIN 08 SEC E, 396.77 FT TO AN ANGLE POINT IN SD WALL; TH S 18 DEG 49 MIN 52 SEC W, ALG THE ELY FACE OF SD WALL, 3.0 FT TO AN ANGLE POINT IN SD WALL; TH ALG SD NLY FACE, S 71 DEG 10 MIN 08 SEC E, 30.25 FT AND ON A CURVE TO THE LEFT HAVING A RADIUS OF 566.48 FT, AN ARC OF 246.76 FT AND A CHORD BEARING AND DISTANCE OF S 83 DEG 38 MIN 53 SEC E, 244.82 FT AND N 83 DEG 52 MIN 22 SEC E, 201.35 FT AND ON A CURVE TO THE LEFT HAVING A RADIUS OF 364.08 FT, AN ARC OF 152.45 FT AND A CHORD BEARING AND DISTANCE OF N 71 DEG 52 MIN 37 SEC E, 151.34 FT AND N 59 DEG 52 MIN 52 SEC E, 543.34 FT AND N 56 DEG 13 MIN 58 SEC E, 66.19 FT AND S 71 DEG 31 MIN 48 SEC E, 25.85 FT TO POB; ALSO A PARCEL OF UNPLATTED LAND, T7N, R6E, DESC AS COM AT THE PREVIOUSLY DESCRIBED POB; TH N 31 DEG 06 MIN 17 SEC W ALG SWLY LINE OF CHEVROLET AVE., 28.20 FT; TH N 63 DEG 56 MIN 40 SEC E, 133.35 FT TO THE POB OF THIS DESC, SD POINT ALSO BEING THE DOWNSTREAM LIMIT OF SECTION "B" OF THE FLINT RIVER FLOOD CONTROL PROJECT; TH S 31 DEG 30 MIN 53 SEC E, ALG SD LIMIT, 164.37 FT TO THE NWLY FACE OF AN EXISTING RETAINING WALL; TH S 59 DEG 24 MIN 07 SEC W, ALG SD NWLY FACE, 74.05 FT TO THE INT OF SD NWLY FACE AND NELY LINE OF CHEVROLET AVE.; TH N 31 DEG 05 MIN 21 SEC W, ALG SD NELY LINE, 142.86 FT TO INT OF SD NELY LINE AND THE SLY FACE OF AN EXISTING RETAINING WALL; TH N 42 DEG 55 MIN 46 SEC E, ALG SD SLY FACE, 75.75 FT TO POB.

Sales Information

Sale Date: 06-03-2020

Sale Price: 6263700
Instrument: CD
Grantor: CITY OF FLINT
Grantee: GENESEE COUNTY
Terms of Sale: 13-GOVERNMENT
Liber/Page: 202006180040409

Tax History *Total Due as of settlement date

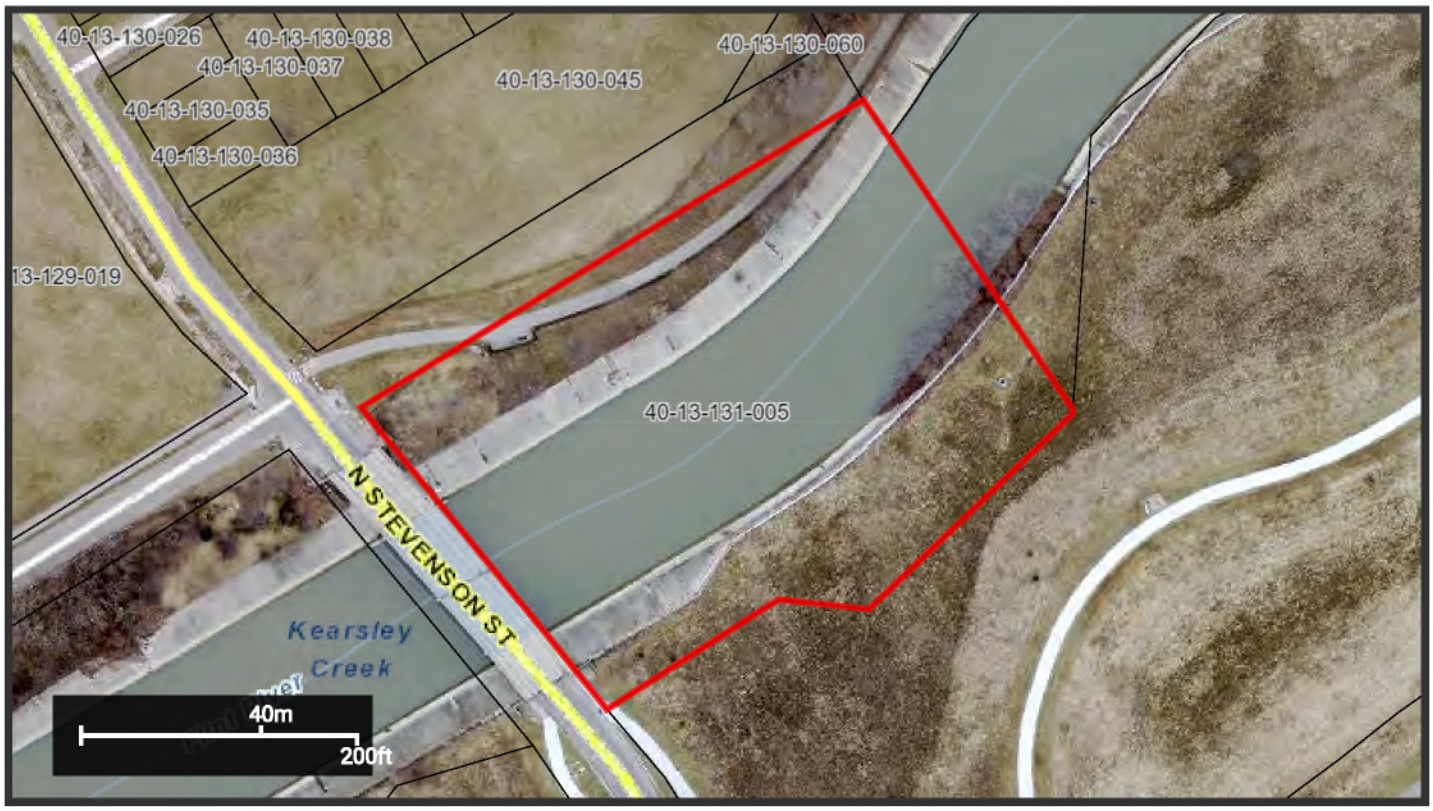
Tax Details 2018 Winter

Parcel G

Genesee County GIS

Parcel Report: 40-13-131-005

11/9/2022
2:31:52 PM



Property Address

S STEVENSON ST

FLINT, MI, 48504

Owner Address

GENESEE COUNTY

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-131-005
Property Class:	202
Class Name:	--
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	0
Zoning:	A-1

Legal Description

LOTS 1 THRU 10 INCL OF BLUFF STREET SUBDIVISION OF PART OF BLOCK C, MCFARLAN & CO'S COTTAGE GROVE ADDITION; ALSO A CONTIG PART OF BLOCK SEC C SEC , PLAT OF MCFARLAN & CO'S COTTAGE GROVE ADDITION AND PART OF BLOCK 1 OF PLAT OF WEST FLINT DESC AS: BEG AT NELY COR OF SD LOT 10; TH S 2 DEG 14' 40 SEC E, 56.43 FT; TH S 20 DEG 10' 02 SEC W, 115.60 FT; TH S 59 DEG 28' 02 SEC W, 291.40 FT TO ELY LINE OF STEVENSON ST; TH S 40 DEG 38' 13 SEC E, 133.12 FT; TH N 59 DEG 21' 35 SEC E, 147.73 FT; TH N 89 DEG 46' 17 SEC E, 59.26 FT; TH N 47 DEG 23' 01 SEC E, 168.67 FT; TH N 15 DEG 46' 06 SEC E, 55.23 FT; TH N 14 DEG 11' 26 SEC E, 122.46 FT; TH N 38 DEG 11' 30 SEC E, 118.10 FT; TH N 58 DEG 07' 18 SEC E, 124.97 FT; TH S 85 DEG 19' 47 SEC E, 14.20 FT; TH N 8 DEG 19' 03 SEC W TO CENTER LINE OF FLINT RIVER; TH WLY ALG SD CENTER LINE TO A LINE BEARING S 30 DEG 42' 28 SEC E FROM BEG; TH N 30 DEG 42' 28 SEC W TO BEG.

Sales Information

Sale Date: 06-03-2020

Sale Price: 6263700
Instrument: CD
Grantor: CITY OF FLINT
Grantee: GENESEE COUNTY
Terms of Sale: 13-GOVERNMENT
Liber/Page: 202006180040409

Tax History *Total Due as of settlement date

Tax Details 2018 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	402
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Parcel H

Genesee County GIS

Parcel Report: 40-13-251-007

11/9/2022
2:30:44 PM



Property Address

W KEARSLEY ST

FLINT, MI, 48504

Owner Address

GENESEE COUNTY

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-251-007
Property Class:	202
Class Name:	--
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	0
Zoning:	A-1

Legal Description

PART OF SECTION 8, PLAT OF SECTIONS 2, 3, 4, 5, 6 AND 8, BEING PART OF THE RESERVE AT AND NEAR THE GRAND TRAVERSE ON THE FLINT RIVER DESC AS: BEG AT A PT ON THE ELY LINE OF ISLAND STREET, WHICH IS N 31 DEG 43' 05 SEC W ALG SD ELY LINE, 291.80 FT (PREVIOUSLY RECORDED AS 292.13 FT) AND N 51 DEG 49' 05 SEC W, 35.0 FT FROM THE INTERSEC OF THE NLY LINE OF KEARSLEY STREET WITH THE ELY LINE OF ISLAND STREET; TH N 3 DEG 35' 52 SEC W, 27.09 FT; TH N 7 DEG 23' 43 SEC W, 33.87 FT; TH N 47 DEG 31' 25 SEC E TO THE C. L. OF THE FLINT RIVER; TH NWLY ALG SD C.L. TO THE SLY LINE OF THE GRAND TRUNK RAILROAD RIGHT-OF-WAY; TH S 58 DEG 22' 55 SEC W ALG SD SLY LINE TO A PT WHICH IS 66.41 FT WLY OF THE INTERSEC OF SD RIGHT-OF-WAY WITH THE ELY LINE OF ISLAND STREET; TH S 5 DEG 30' 50 SEC E, 55.99 FT; TH S 86 DEG 00' 40 SEC E, 162.52 FT; TH N 0 DEG 05' 55 SEC E, 8.07 FT; TH N 3 DEG 35' 52 SEC W, 6.77 FT TO POB.

Sales Information

Sale Date: 06-03-2020

Sale Price: 6263700
Instrument: CD
Grantor: CITY OF FLINT
Grantee: GENESEE COUNTY
Terms of Sale: 13-GOVERNMENT
Liber/Page: 202006180040409

Tax History *Total Due as of settlement date

Tax Details 2018 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	402
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Parcel I

Genesee County GIS

Parcel Report: 40-13-251-010

11/9/2022
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Property Address

W KEARSLEY ST

FLINT, MI, 48504

Owner Address

GENESEE COUNTY

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-251-010
Property Class:	202
Class Name:	--
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	0
Zoning:	A-1

Legal Description

PART OF BLOCK 1 WEST FLINT AND PART OF SECTION 8, PLAT OF SECTIONS 2, 3, 4, 5, 6 AND 8 BEING PART OF THE RESERVE AT NEAR THE GRAND TRAVERSE ON FLINT RIVER DESC AS: BEG AT A PT ON NLY LINE OF KEARSLEY ST. WHICH IS S 58 DEG 13 MIN 55 SEC W, 116.05 FT FROM THE INT OF WLY LINE OF ISLAND ST WITH NLY LINE OF KEARSLEY ST.;TH S 60 DEG 16 MIN 59 SEC W, ALG SD NLY LINE, 115.86 FT; TH N 35 DEG 48 MIN 55 SEC W,111.08 FT; TH ON A CURVE TO THE RIGHT HAVING A RADIUS OF 121.81 FT AND AN ARC LENGTH OF 58.83 FT, CHORD BEARING AND DISTANCE OF N 21 DEG 58 MIN 48 SEC W, 58.26 FT; TH N 08 DEG 08 MIN 40 SEC W, 175.00 FT; TH N 02 DEG 13 MIN 35 SEC E, 77.91 FT; TH N 05 DEG 30 MIN 51 SEC E, 15.76 FT; TH S 86 DEG 00 MIN 40 SEC E, 162.52 FT; TH S 2 DEG 25 MIN 30 SEC W, 8.96 FT; TH S 5 DEG 42 MIN 30 SEC W, 12.48 FT; TH S 7 DEG 34 MIN 26 SEC W, 14.53 FT; TH S 7 DEG 34 MIN 26 SEC W, 10.47 FT; TH S 6 DEG 46 MIN 12 SEC W, 25.0 FT; TH S 7 DEG 11 MIN 09 SEC W, 25.0 FT; TH S 6 DEG 42 MIN 04 SEC W, 25.0 FT; TH S 6 DEG 25 MIN 41 SEC W 11.14 FT; TH S 4 DEG 26 MIN 16 SEC W, 10.01 FT; TH S 0 DEG 42 MIN 28 SEC W, 18.04 FT; TH S 4 DEG 25 MIN 09 SEC E, 18.03 FT; TH S 10 DEG 01 MIN 24 SEC E, 18.04 FT; TH S 14 DEG 31 MIN 02 SEC E, 18.00 FT; TH S 20 DEG 07 MIN 06 SEC E, 17.99 FT; TH S 11 DEG 48 MIN 49 SEC W, 10.85 FT; TH S 29 DEG 29 MIN 53 SEC E, 73.0 FT; TH S 29 DEG 20 MIN E, 31.24 FT TO NLY LINE OF KEARSLEY ST.; TH WLY ALG SD NLY LINE TO POB.

Sales Information

Sale Date: 06-03-2020

Sale Price: 6263700
Instrument: CD
Grantor: CITY OF FLINT
Grantee: GENESEE COUNTY
Terms of Sale: 13-GOVERNMENT
Liber/Page: 202006180040409

Tax History *Total Due as of settlement date

Tax Details 2018 Winter

Parcel J

Genesee County GIS

Parcel Report: 40-13-251-002

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Property Address

W KEARSLEY ST

FLINT, MI, 48503

Owner Address

GENESEE COUNTY PARKS & REC COMMISSI

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-251-002
Property Class:	201
Class Name:	201-COMMERCIAL IMPROVED
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	0.39
Zoning:	--

Legal Description

MCFARLAN'S ADDITION TO WEST FLINT LOT 2 AND THAT PART OF LOTS 1 AND 4 USED AS G T R R R/W, BLK 4

Parcel K

Genesee County GIS

Parcel Report: 40-13-326-006

11/9/2022
2:25:27 PM



Property Address

S CHEVROLET AVE

FLINT, MI, 48504

Owner Address

GENESEE COUNTY PARKS & REC COMMISSI

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-326-006
Property Class:	201
Class Name:	201-COMMERCIAL IMPROVED
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	2.81
Zoning:	G

Legal Description

PART OF LOTS 9 THRU 13 INCL, BLK 1 PLAT OF WEST FLINT AND PART OF LOTS 2 THRU 12 INCL OF EPHRAIM S. WILLIAMS SUBDIVISION DESC AS: BEG AT THE INTERSEC OF THE SLY LINE OF KEARSLEY ST AS ORIGINALLY PLATTED WITH THE ORIGINAL SELY ROW LINE OF GRAND TRUNK WESTERN RR; TH S 30 DEG 55' 47" W, 17.96 FT; TH S 31 DEG 11' 43" E, 25.86 FT TO SELY ROW LINE OF GRAND TRUNK WESTERN RR AS NOW ESTABLISHED; TH S 30 DEG 01' 49" W, 65.80 FT; TH S 17 DEG 49' 59" E, 19.47 FT; TH S 25 DEG 57' 55" W, 194.92 FT; TH S 31 DEG 13' 59" W, 137.79 FT; TH S 42 DEG 33' 04" W, 125.24 FT; TH S 45 DEG 11' 08" W, 88.57 FT; TH S 50 DEG 01' 12" W, 109.47 FT; TH S 55 DEG 56' 48" W, 48.28 FT; TH S 61 DEG 15' 50" W, 207.57 FT; TH S 60 DEG 54' 10" W, 299.93 FT; TH S 61 DEG 42' 38 SEC W, 60.43 FT; TH S 65 DEG 56' 06 SEC W, 67.60 FT; TH S 75 DEG 09' 53 SEC W, 26.86 FT; TH N 56 DEG 36' 28" E, 620.21 FT; TH ALG A CURVE TO THE LEFT HAVING A RADIUS OF 1465.70 FT, A CHORD BEARING & DIST OF N 55 DEG 36' 48" E, 5.61 FT; TH NELY ALG A CURVE TO THE LEFT HAVING A RADIUS OF 1465.70 FT, A CHORD BEARING & DIST OF N 48 DEG 07' 48" E, 376.20 FT; TH ALG A CURVE TO THE LEFT HAVING A RADIUS OF 789.74 FT, A CHORD BEARING & DIST OF N 31 DEG 46' 35" E, 79.73 FT; TH ALG A CURVE TO THE LEFT HAVING A RADIUS OF 1687.59 FT, A CHORD BEARING & DIST OF N 25 DEG 40' 04" E, 189.30 FT; TH N 4 DEG 52' 22" E, 69.17 FT; TH NELY TO BEG; ALSO COM AT THE INTERSEC OF THE NELY LINE OF CHEVROLET AVE EXT SELY WITH THE NWLY LINE OF GLENWOOD AVE EXT SWLY; TH N 33 DEG 53' 58" W ALG SD NELY LINE 184.40 FT FOR POB; TH N 56 DEG 42' 17" E, 65.30 FT; TH N 75 DEG 09' 53" E, 2.83 FT; TH N 56 DEG 36' 28" E, 620.21 FT; TH S 58 DEG 05' 06" W, 209.30 FT; TH S 79 DEG 40' 49" W, 51.62 FT; TH S 58 DEG 05' 06" W, 288 FT; TH N 31 DEG 54' 54" W, 6.0 FT; TH S 58 DEG 05' 06" W, 146.50 FT TO NELY LINE OF CHEVROLET AVE; TH SLY TO BEG

Sales Information

No Records Found

Tax History *Total Due as of settlement date

Tax Details 2018 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$16,100
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Appendix B

Phase I ESA Report

AKT PEERLESS™
ENVIRONMENTAL SERVICES

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Chevy Commons
11 Contiguous Parcels on North Chevrolet Avenue, Glenwood Avenue, South Stevenson Street, and West Kearsley Street
Flint, Genesee County, Michigan

PREPARED FOR Michigan Department of Technology, Management & Budget (DTMB)
AND
Michigan Department of Natural Resources (DNR)

DTMB File # 751/23003.IND

PROJECT # 17713s-2-17

DATE March 3, 2023

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PHASE I ENVIRONMENTAL SITE ASSESSMENT

Chevy Commons, 11 Contiguous Parcels on North Chevrolet Avenue, Glenwood Avenue, South Stevenson Street, and West Kearsley Street, Flint, Michigan

AKT Peerless Project No. 17713s-2-17

Executive Summary

AKT Peerless Environmental Services (AKT Peerless) conducted a Phase I Environmental Site Assessment (ESA) of the subject property as described below in accordance with United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquires [(AAI), 40 Code of Federal Regulations (CFR) Part 312] and the ASTM International Standard Practice E 1527-21 (ASTM Practice E 1527). This Phase I ESA was performed for its Client, Michigan Department of Technology, Management & Budget (DTMB) and the prospective property owner, Michigan Department of Natural Resources (DNR) in connection with a potential acquisition of the subject property.

Subject Property Description

Address	306 & 307 South Stevenson Street and 300 North Chevrolet Avenue, Flint, Michigan
Land Area (Acres)	70 Acres (approximate)
Parcel ID Number(s)	40-13-301-005 (Parcel A), 40-13-176-002 (Parcel B) 40-13-326-005 (Parcel C), 40-13-251-004 (Parcel D) 40-13-251-011 (Parcel E), 40-13-301-003 (Parcel F) 40-13-131-005 (Parcel G), 40-13-251-007 (Parcel H) 40-13-251-010 (Parcel I), 40-13-251-002 (Parcel J) 40-13-326-006 (Parcel K)
Number of Building(s)	None
Date(s) of Construction	Not applicable
Building Square Footage	Not applicable
Current Use	Chevy Commons County Park / recreational
Current Occupants	None
Past Use	Commercial, industrial, residential
Adjoining Property Uses	North: Kettering University, Consumers Energy Substation, GM Mobility Research Center, Flint River, Atwood Stadium and Stadium Parking, Vacant grassy lots (4) East: Vacant grassy lot, Genesee Valley Trail, Tenacity Brewing, Vacant commercial building, Flint River, Swartz Creek South: General Motors Metal Fabrication Flint Tool and Die, Consumers Energy Substation, Vacant commercial building, Vacant grassy lots (20), Kettering University sign, Ray's Garage, Genesee Valley Trail, Concrete parking lot West: Residentials, Vacant wooded lot

Inferred Groundwater Flow Direction	West, downgradient toward the Flint River
Approximate Groundwater Depth	Primarily ranging from 5.0 to 20.0 feet below ground surface (bgs)

Recognized Environmental Conditions (RECs)

This assessment has revealed no evidence of known RECs in connection with the subject property, except for the following:

REC 1 - The southern adjoining property operated for industrial purposes, primarily automotive manufacturing, from at least the late 1800s to the early 2000s. Previously completed subsurface investigations identified concentrations of chlorinated volatile organic compounds (CVOCs) in soil and groundwater in excess of the Michigan Department of Environment, Great Lakes, and Energy (EGLE) Part 201 Generic Residential Cleanup Criteria (RCC). Additionally, samples were collected between 2018 and 2021 and submitted for laboratory analyses of Per- and Polyfluoroalkyl Substances (PFAS) compounds[1]. The results of those investigations revealed PFAS compounds in soil and groundwater at concentrations above newly established (2018) EGLE Part 201 RCC. Furthermore, PFAS and CVOCs contamination were found to have migrated off-site onto an adjoining former railroad property. The potential for contaminants migrating from an adjoining property to the subject property represents a REC.

Controlled Recognized Environmental Conditions (CRECs)

This assessment has revealed no evidence of known CRECs in connection with the subject property, except the following:

CREC 1 - Previous assessments identified RECs related to the historical industrial use (primarily automotive manufacturing) of the subject property from at least the late 1800s to the early 2000s. Multiple subsurface investigations of the subject property were conducted over time to address those RECs. Volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PNAs), metals, and polychlorinated biphenyls (PCBs) have been detected in soil and groundwater at the subject property at concentrations above the Michigan EGLE Part 201 Generic RCC. Further, river sediments in the area of the subject property are known to have been impacted by contaminants as a result of discharges to the Flint River. Therefore, the subject property meet the definition of a *facility,* as defined in Part 201 of the Natural Resources and Environmental Protection Act (NREPA), Michigan Public Act (PA) 451, 1994, as amended.

The City of Flint (former property owner) entered into an Agreement, Order on Consent, and Covenant not to Sue with the United States Environmental Protection Agency (USEPA), Region 5 of the Former Delphi "Flint West" Site, also known as "Chevy in the Hole" in Flint, Genesee County, Michigan (Parcels A through E) in 2012. The agreement was entered pursuant to the Solid Waste Disposal Act, commonly referred to as the Resource Conservation and Recovery Act

[1] In August 2022, EPA proposed the addition of two PFAS compounds, perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) to the list of hazardous substances under CERCLA. The rulemaking process is underway with an anticipated resolution by August 2023. In 2018, the State of Michigan classified PFAS compounds as a hazardous substance regulated under Part 201 of the Natural Resources and Environmental Protection Act, Michigan PA 451 of 1994, as amended (NREPA).

(RCRA) of 1976. The agreement proposed that the City of Flint would acquire ownership of the subject property for use as a public green space. Furthermore, the agreement would allow the City of Flint to become non-liable for known contamination present at the subject property.

The agreement states that the City of Flint agreed to comply with corrective actions including, but not limited to, site capping over contaminated soils, planting of trees and other native vegetation, the installation of walkways, the completion of a Declaration of Restrictive Covenant, installation of new groundwater monitor wells, performance of groundwater monitoring, and compliance with Section 7a of the NREPA (commonly known as "Due Care").

To date, the proposed redevelopment activities undertaken by the City of Flint have included the completion of site capping, tree and vegetation planning, walkway installation, submittal of a Declaration of Restrictive Covenant, and the completion of groundwater monitoring on two of the five parcels (Parcels A and E). The Declaration of Restrictive Covenant: (1) limits the use of the property to park, open space, or recreation, (2) prohibits use of groundwater, (3) restricts construction of buildings, (4) limits excavation of soil, (5) prohibits treatment, storage, and disposal of hazardous wastes, (6) requires proper management of soil, media, and debris, as well as (7) requires the on-site concrete slabs not be removed with certain exceptions. To date, the City of Flint appears to be in compliance with due care obligations. Furthermore, Genesee County, the current property owner appears to be in compliance with due care obligations.

The regulatory authorities have allowed contaminants at the subject property to remain in place subject to the above referenced restrictions and covenants, which represents a CREC.

Historical Recognized Environmental Conditions (HRECs)

This assessment has revealed no evidence of known HRECs in connection with the subject property.

Significant Data Gaps (SDG)

AKT Peerless did not identify or encounter any instances of significant data gaps during this Phase I ESA.

Recommendations

Based on the intended use of the subject property as a park and results of previous environmental investigations, AKT Peerless does not recommend additional subsurface investigation of the subject property at this time. The REC and CREC identified above appear to be adequately managed through compliance with existing engineering and administrative controls of the subject property. However, any changes to the future use of the subject property (including any park construction activities that would disrupt surface soil) must be evaluated for compliance with due care prior to initiation of those activities.

AKT Peerless recommends any future owner(s)/operator(s) prepare a Baseline Environmental Assessment (BEA). Section 26(1)(c) of Part 201 provides certain liability protections to a person, who becomes an owner or operator of a *facility* on, or after June 5, 1995, if they comply with both of the following, or unless other defenses apply: a BEA is conducted prior to or within 45 days after the earlier of the date of purchase, occupancy, or foreclosure, and the owner or operator discloses the results of the BEA to EGLE and subsequent purchaser or transferee.

AKT Peerless recommends current and future owners and/or operators to comply with the Agreement, Order on Consent, and Covenant not to Sue with the USEPA, specifically corrective actions and due care compliance. Due care obligations include:

- Undertaking measures to prevent exacerbation of existing contamination.
- Exercising due care by undertaking response activities to mitigate unacceptable exposure to hazardous substances, mitigate fire and explosion hazards due to hazardous substances, and allow for the intended use of the subject property in a manner that protects health and safety.
- Taking reasonable precautions against the reasonably foreseeable acts or omissions of a third party and the consequences that could result from those acts or omissions.
- Provide notifications to the EGLE and others in regard to mitigating fire and explosions hazards, discarded or abandoned containers, contamination migrating beyond property boundaries, as applicable.
- Comply with any land use or resource use restrictions established or relied on in connection with the response activities at the facility.
- Not impede the effectiveness or integrity of any land use or resource restriction employed at the facility in connection with response activities.

The Executive Summary above is an overview of the opinions and conclusions of this Phase I ESA and shall not be considered apart from the entire report, which contains the rationale and qualifications used by AKT Peerless in making the opinions and conclusions presented herein. Furthermore, non-ASTM scope considerations, if any, are reported in Section 6.4 and other notable environmental considerations, if any, are reported in Section 7.5. These conditions are not included in this Executive Summary.

Presumed Viability Evaluation

Critical Component	Completion Date
State and Federal Database Report	November 10, 2022
Government Records Review	November 8, 2022 - December 13, 2022
Interviews	December 19, 2022
Site Inspection	December 6, 2022
Environmental Professional Declaration	March 3, 2023

1.0 Introduction

Michigan Department of Technology, Management & Budget (DTMB and Client) retained AKT Peerless Environmental Services (AKT Peerless) to conduct a Phase I Environmental Site Assessment (ESA) of the 11 contiguous parcels of land, identified as Chevy Commons, in Flint, Genesee County, Michigan (subject property). This Phase I ESA was conducted in accordance with: (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries [(AAI), 40 Code of Federal Regulations (CFR) Part 312] and (2) guidelines established by ASTM International in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process / Designation E 1527-21* (ASTM Practice E 1527). This Phase I ESA also satisfies the good commercial and customary practices outlined in ASTM Standard Practice E 1527-13.

Nothing in this report constitutes a legal opinion or legal advice. AKT Peerless has not made an independent determination whether the Client satisfies *User* obligations to establish a Landowner Liability Protection (LLP) defense under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980. In accordance with ASTM Practice E 1527, a *User* is the party seeking to use ASTM Practice E 1527 to complete an environmental site assessment of the subject property. A *User* may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. Furthermore, a *User* seeking to establish an LLP defense under CERCLA, and USEPA Brownfield Assessment and Characterization grantees, have specific obligations for completing a successful application of this practice. AKT Peerless' scope of work does not include an evaluation or completion of these specific user obligations as described in Section 6 of ASTM Practice E 1527, unless otherwise noted.

1.1 Purpose

The purpose of this Phase I ESA was to evaluate the current and historical conditions of the subject property in an effort to identify *recognized environmental conditions* (RECs)[2], *historical recognized environmental conditions* (HRECs)[3], *controlled recognized environmental conditions* (CRECs)[4], *and de minimis conditions*[5] in connection with the subject property. Moreover, this practice may permit certain

[2] ASTM Standard Practice E 1527-21 defines the term REC as: (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

[3] ASTM Standard Practice E 1527-21 defines the term HREC as a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations). A HREC is not a REC.

[4] ASTM Standard Practice E 1527-21 defines the term CREC as a REC affecting the subject property resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority or authorities (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations or other property use limitations).

[5] ASTM Standard Practice E 1527-21 defines the term de minimis condition as a condition related to a *release* that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. A condition determined to be a de minimis condition is not a REC nor a CREC.

users of this Phase I ESA to satisfy environmental due diligence requirements to qualify for the bona fide prospective purchaser, contiguous landowner, or innocent landowner limitations under CERCLA, the Superfund Amendments and Reauthorization Act (SARA) of 1986, and the Small Business Liability and Brownfields Revitalization Act (Brownfields Amendments) of 2002. This Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for environmental conditions in connection with the subject property.

1.2 Scope of Services

AKT Peerless' scope-of-services is based on its proposal PS-31449, dated November 1, 2022, and the terms and conditions of that agreement. This Phase I ESA included the following:

- An inquiry of environmental conditions by an Environmental Professional.
- A review of specialized knowledge reported by the Client.
- A review of reasonably ascertainable and practically reviewable relevant public and historical records, including those maintained by federal, state, tribal, and local government agencies.
- Interviews with relevant regulatory officials and personnel associated or knowledgeable with the subject property, including as appropriate past and present owners, or neighbors if the subject property is abandoned.
- A reconnaissance of the subject property. The adjoining properties were observed from the subject property and from readily accessible public rights-of-way.

1.3 Limiting Conditions and Exceptions

During the course of a Phase I ESA, limiting conditions, data failures, or data gaps, may prevent adherence to certain aspects of ASTM Practice E 1527. In such cases, the limiting factors are discussed in the appropriate sections of this report.

Should additional information become available to the Client that differs significantly from our understanding of conditions presented in this report, AKT Peerless requests that such information be forwarded immediately to our attention, so that we may reassess the conclusions provided herein and amend this project's scope of services as necessary and appropriate.

1.4 Special Terms and Conditions

To the best of AKT Peerless' knowledge, no special terms or conditions, or client-imposed constraints, apply to the preparation of this Phase I ESA.

1.5 Reliance

AKT Peerless performed this Phase I ESA for the benefit of DTMB (Client) and Michigan Department of Natural Resources (DNR and User). AKT Peerless acknowledges that this party may rely on the contents and conclusions presented in this report. Unless stated otherwise in writing, AKT Peerless makes no other warranty, representation, or extension of reliance upon the findings of this report to any other entity or third party. The information and opinions presented in this report are for the exclusive use of the Client. No distribution to or reliance by other parties may occur without the express written permission of the Client or AKT Peerless. AKT Peerless will not distribute this report without written consent from the Client, or as required by law or by a Court order.

2.0 User and/or Client Provided Information

In order to qualify for one of the LLPs offered by the Small Business Liability Relief and the Brownfields Amendments, a *User* must conduct certain inquiries as described in 40 CFR 312. If the Client intends to use ASTM Practice E 1527 to establish an LLP defense under CERCLA, then AAI requires that certain tasks be performed by - or on behalf of - that party. As appropriate, these inquiries must also be conducted by USEPA Brownfield Assessment and Characterization grantees. While such information is not required to be provided to the Environmental Professional, AKT Peerless requests this information from the Client in the form of a Questionnaire, Document Request Form, and Interviews as such information can assist the Environmental Professional in identifying environmental conditions.

AKT Peerless provided a Questionnaire and Document Request Form to a representative of the User, Mr. Scott Geoman of DNR. As appropriate, AKT Peerless conducted follow-up interviews with the User. The following subsections summarize the information and responses provided by the User. The completed Questionnaire is provided in **Appendix F**.

2.1 Environmental Liens or Activity and Use Limitations

ASTM Practice E 1527 Section 6.2 and AAI (40 CFR 312.20, 25, and 26) require that Users search recorded title and judicial records for registered Environmental Liens or/and Activity and Use Limitations (AULs). The User may rely on: (1) transaction-related title insurance documentation (e.g., preliminary title reports and title commitments) or (2) title search information reports (e.g., conditions of title, title abstracts, and AUL/Environmental Lien reports). The results of the User's search should be communicated to the Environmental Professional. This search is in addition to the review of environmental liens and AULs registries (if any) conducted by the Environmental Professional.

The User did not provide title insurance documentation or title search information, and the Client did not report: (1) environmental cleanup liens against the subject property that are filed or recorded under federal, tribal, state, or local law; and (2) recorded land title or judicial records.

The User provided AKT Peerless a Restrictive Covenant (RC) recorded in December 2012. Refer to Section 4.3.2 pertaining to the RC.

2.2 Specialized Knowledge or Experience of the User

ASTM Practice E 1527 Section 6.3 and AAI (40 CFR 312.28) require that the User take into account their specialized knowledge to identify conditions indicative of releases or threatened releases associated with the subject property, and suggests this information be communicated to the Environmental Professional before the site reconnaissance, except for the completion of several environmental investigations completed on Parcels A through E to evaluate subsurface conditions, due to former industrial/manufacturing operations. Refer to Section 4.3.2 for further details.

2.3 Actual Knowledge of the User

ASTM Practice E 1527 Section 6.4 suggests that the User communicate actual knowledge of any environmental lien or AULs associated with the subject property to the Environmental Professional, and suggests this information be communicated to the Environmental Professional before the site reconnaissance.

The User did not report actual knowledge of environmental liens or AULs associated with the subject property, except for as discussed in Section 2.1.

2.4 Value Reduction Due to Contamination

For transactions involving the purchase of commercial real estate, ASTM Practice E 1527 Section 6.5 and AAI (40 CFR 312.29) require the User consider the relationship of the purchase price to the fair market value of the subject property as an indicator of potential contamination and make a written record of that explanation.

With the exception of the information provided in the previous environmental reports and associated use limitations identified in the Quitclaim deeds, the User did not report knowledge of, or reason to anticipate, a reduction in the value of the subject property for environmental issues.

2.5 Commonly Known or Reasonably Ascertainable Information

ASTM International Practice E 1527 Section 6.6 and AAI (40 CFR 312.30) require the User to take into account commonly known or reasonably ascertainable information within the local community about the subject property.

The User did not report such commonly known or reasonably ascertainable information, except as described in Section 2.2.

2.6 Presence or Likely Presence of Contamination

ASTM Practice E 1527 Section 6.7 and AAI (40 CFR 312.31) require the User to consider the degree of obviousness of the presence or likely presence of contamination at the subject property, and the ability to detect the contamination by appropriate investigation.

The User did not report on the degree of obviousness of the presence or likely presence of contamination at the subject property or the ability to detect the contamination by appropriate investigations, except for contamination at the subject property identified within the reports documented in Section 4.3.2.

2.7 Reason for Performing this Phase I ESA

ASTM Practice E 1527 requires that the User provide the Environmental Professional with the reason for performing the Phase I ESA.

The User reported that this Phase I ESA was conducted as part of environmental due diligence related to a potential acquisition of the subject property.

3.0 Subject Property Description

3.1 Location and Legal Description

The subject property is located in the Section 13 in Flint (T.7N. /R.6E.), Genesee County, Michigan. The subject property consists of 11 contiguous parcels of land comprising of approximately 70-acres. The majority of the subject property is situated south of the Flint River, north of Glenwood Avenue and West

Kearsley Street, east of Center Street, as well as west of the intersection of the Swartz Creek and the Flint River. The City of Flint assessing records indicate Parcels F, G, H and I (described below) include riverbanks and extend into the Flint River and Swartz Creek on both sides of these waterways. A former Grand Trunk railroad line bisects the subject property from east to west, adjoining eight of the eleven parcels that make up the subject property.

For ease of reference in this report, AKT Peerless has designated each of the subject property parcels with a letter. These designations have no relevance to legally recorded data about the subject property. See the following table for additional subject property details.

Subject Property Identifiers

Parcel	Address	Tax Identification Number	Owner of Record	Approximate Acreage
A	North Chevrolet Avenue	40-13-301-005	Genesee County	8.51
B	306 South Stevenson Street	40-13-176-002	Genesee County	28.35
C	Glenwood Avenue	40-13-326-005	Genesee County	3.91
D	307 South Stevenson Street	40-13-251-004	Genesee County	10.59
E	300 North Chevrolet Avenue	40-13-251-011	Genesee County	9.12
F	North Chevrolet Avenue	40-13-301-003	Genesee County	2.84*
G	South Stevenson Street	40-13-131-005	Genesee County	3.17
H	West Kearsley Street	40-13-251-007	Genesee County	0.53
I	West Kearsley Street	40-13-251-010	Genesee County	1.21
J	West Kearsley Street	40-13-251-002	Genesee County Parks & Rec Commission	0.42
K	South Chevrolet Avenue	40-13-326-006	Genesee County Parks & Rec Commission	1.41

*The City of Flint assessing records indicate this parcel comprises of riverbanks and extends into the river. Parcel F is listed as "0-acres" by the City of Flint. Therefore, AKT Peerless estimated this acreage based on an area calculation.

Refer to Figure 1, Topographic Location Map and Figure 2, Subject Property Map. The legal descriptions of the subject properties are presented in **Appendix A**. Photographs taken during AKT Peerless' subject property reconnaissance are provided in **Appendix B**.

3.2 Subject Property and Vicinity Characteristics

The subject property is currently zoned Industrial (A-1) and is located in an area of Flint that is characterized by light industrial, commercial, and residential properties, surface roadways, municipal sanitary sewer and water, as well as electrical and gas utilities.

3.3 Description of Structures and Other Improvements

The subject property is structurally vacant. Parcels A B, C, D, and E consists of a municipal park known as Chevy Commons County Park. This portion of the subject property consists of greenspace, concrete walkways, and two paved asphalt parking lots. Parcels F and G consists of concrete lined sections of the Flint River and associated riverbanks located directly north and south of the waterway. Parcel H consists of a concrete lined section of the Swartz Creek and associated riverbanks located directly east and west of the waterway. Parcel I consist of a section of the Swartz Creek and associated riverbanks located directly east and west of the waterway. Parcels J and K consists of a recreational trail known as Genesee Valley Trail and is developed with concrete walkways and greenspace.

3.4 Current Use of the Subject Property

Parcels A, B, C, D, and E are used as a municipal park, known as Chevy Commons. Parcels F, G, H, and I consist of riverbanks. Parcel J and K are used as recreational trail, known as Genesee Valley Trail.

3.5 Utilities and Municipal Services

AKT Peerless identified the type and supplier of utilities provided to the subject property. These services are described in the following table:

Subject Property Utility Data

Utility / Service	Type	Utility Company or Municipality	Comments/Historical Services
Heat	Natural Gas	Consumers Energy	Natural gas has been provided to the area of the subject property since at least 1910. However, based on the large geographic area covered by the subject property and diverse development history, specific hookup dates could not be determined.
Potable water	Municipal	Flint	Municipal drinking water has been provided to the area of the subject property since at least the early 1900s. The area of the subject property was connected to municipal water in the 1960s. Previously, the area of the subject property obtained potable water from several wells. These wells were reportedly abandoned subsequent to the connection of municipal water.
Electricity	Electric lines	Consumers Energy	Electricity is available to the subject property.
Sewage disposal	Municipal	Flint	Municipal sanitary sewer is available to the area of the subject property. A connection date could not be determined. The subject property formerly operated a wastewater treatment plant on Parcel A (Plant 42), which processed industrial wastes from the plants and also sanitary wastes, prior to discharging to the City of Flint sanitary sewer system. This plant was constructed in 1962.
Storm water	Municipal	Genesee County	Storm water utilities are available to the subject property.

According to a review of fire insurance maps, municipal water and sanitary sewer has been provided to the subject property since prior to 1886. Previous structures associated with the subject property may have utilized on-site potable water wells or private septic systems. However, it is likely these features would have been identified and removed during redevelopment of the subject property.

The possibility exists that alternative heating fuels (i.e., fuel oil and/or coal) were used by previous occupants of the subject property, prior to the connection of natural gas. The potential for the past use of heating oil underground storage tanks (USTs) on the subject property was considered. However, based on: (1) review of available information, (2) observations during the subject property reconnaissance, and (3) lack of documentation indicating the presence of heating oil USTs on the subject property, it is AKT Peerless' opinion that although this missing information represents a data failure all appropriate inquiry has been performed to reduce uncertainty regarding environmental concerns associated with the potential use of heating oil USTs. Therefore, no further investigation of potential heating oil USTs is warranted at this time.

3.6 Current Uses of the Adjoining Properties

The following table describes the current uses and/or occupants of the adjoining properties, as identified during this Phase I ESA:

Adjoining Property Data

Direction	Address	Current Use / Occupant
North	None associated	Flint River
	300 North Chevrolet Avenue	Commercial / Consumers Energy Substation
	1700 West 3rd Street	Vacant grassy lot / Kettering University
	304 North Chevrolet Avenue	Commercial / Kettering University GM Mobility Research Center
	None associated	Vacant grassy lot
	1100 Bluff Street	Vacant grassy lot
	None associated	Vacant grassy lot (2)
	701 West 3rd Street	Recreational / Atwood Stadium and Stadium Parking
East	119 North Grand Traverse Street	Commercial / Tenacity Brewing
	630 West Kearsley Street	Commercial / Vacant building
	712 West Kearsley Street	Vacant grassy lot
	None associated	Flint River / Swartz Creek
South	None associated	Concrete parking lot
	425 Stevenson Street	Industrial / General Motors Metal Fabrication Division Flint Tool and Die
	320 South Stevenson Street	Commercial / Consumers Energy Substation
	417 Asylum Street	Vacant grassy lot
	1209-1219 Glenwood Avenue	Vacant grassy lots

Direction	Address	Current Use / Occupant
	1222 Glenwood Avenue	Commercial / Vacant building
	503 Hazelton Street	Vacant grassy lot
	None associated	Vacant grassy lot
	1409-1509 Glenwood Avenue	Vacant grassy lots
	None associated	Vacant grassy lots
South (Continued)	1701 Glenwood Avenue	Vacant grassy lot
	420 South Chevrolet Avenue	Commercial / Kettering University sign
	1730 Glenwood Avenue	Vacant grassy lot
	None associated	Vacant grassy lot
	1940 West Court Street	Commercial / Ray's Garage
South & Central	None associated	Recreational /Genesee Valley Trail
West	2001 -2002 Beckwith Court	Residential
	None associated	Vacant wooded lot

4.0 Records Review

The objective of the records review is to evaluate reasonably ascertainable databases, historical records, and physical setting records to help identify RECs at the subject property and, to the extent identifiable, at surrounding properties.

4.1 Physical Settings

AKT Peerless reviewed various available physical setting resources pertaining to the geologic, hydrogeologic, hydrologic, and topographic characteristics that may affect potential contaminant migration to the subject property, or within or from the subject property. The results of AKT Peerless' review are presented in the following table:

Physical Setting Data

General Topography and Hydrogeology		
Physical Setting Information		**Data Resources**
Subject Property Elevation	Between 700 and 705 feet above the National Geodetic Vertical Datum	United States Geological Survey (USGS) Topographic Map of the Flint North Quadrangle (revised 1975) and third-party database report
Topographic Gradient	Gentle decline from south to north/ northeast and generally flat	
Closest Surface Water	The Flint River, which flows to the west, adjoins subject property.	

General Topography and Hydrogeology		
Groundwater Depth	No known data points	USGS National Water Dashboard Online
General Soil and Geology		
Bedrock	Saginaw Formation Unit of an unassigned group, which is included in the Pottsville Series within the Pennsylvanian System of the Paleozoic Era.	Michigan Department of Natural Resources (MDNR) Geological Survey Division's *Bedrock Geology of Southern Michigan* (1987)
Quaternary Soil Description	Medium textured glacial till, described as gray, grayish brown or reddish brown, non-sorted glacial debris; matrix is dominantly loam and silt loam texture, with variable amounts of cobbles and boulders. These soils occur as ground moraine, till plain, or undifferentiated ground moraine-end moraine complexes, and includes areas of coarser or finer-textured tills, as well as small areas of outwash. The thickness of the soil ranges from 60 to 90 feet.	Michigan Geological Survey Division's publication, *Quaternary Geology of Southern Michigan* (1982)
County Soil Survey Description	Boyer-Spinks-Ceresco-Cohoctah association, described as nearly level to gently sloping, well-drained loamy sands that have a dominantly sand to sandy loam subsoil, on outwash plains and terraces; and level, somewhat poorly drained, poorly drained, and very poorly drained fine sandy loams underlain by fine sandy loams to sand; on bottom lands. As indicated on Photo Sheet 25 of the soil survey, subject property soils are not described as located outside the limits of the detailed soil survey.	United States Department of Agriculture (USDA) Soil Survey of Genesee County, Michigan (1972)
Site-Specific Geology and Hydrogeology		
Soil and bedrock characteristics	Previous subsurface investigations have identified gravel, sand, silt, and clay at varying depths up to 40.0 feet below ground surface (bgs). Further, non-native fill material has been identified throughout the subject property at varying depths.	Previous environmental reports, Section 4.3.2
Groundwater characteristics	Previous subsurface investigations have identified shallow ground water primarily ranging from 5.0 to 20.0 feet bgs.	Previous environmental reports, Section 4.3.2

Based on the information presented above, AKT Peerless infers that groundwater in the vicinity of the subject property flows toward the west, with potential influence from the Flint River and Swartz Creek. However, local manmade structures (e.g., buildings, roads, sewer systems, and utility service lines) may influence both surface water and groundwater flow. AKT Peerless was unable to precisely document the

groundwater flow direction beneath the subject property. To determine the site-specific groundwater flow direction, subsurface information would be necessary.

AKT Peerless did not identify any water supply wells at the subject property. Several monitoring wells are present on the subject property, which are associated with monitoring groundwater contamination at the subject property. Groundwater from the area of the subject property does not serve as the primary drinking water source for properties in the City of Flint, which obtains its municipal water from the City of Detroit.

4.2 Standard Environmental Record Resources

AKT Peerless retained a third-party vendor to provide current environmental database information compiled by a variety of federal and state regulatory agencies. The purpose of obtaining these data was to evaluate potential environmental releases associated with the subject property, adjoining properties, and nearby sites that are: (1) identified on target lists and (2) within varying distances of up to one mile from the subject property. Refer to the database report included as **Appendix C** for information regarding database descriptions, search radii, and most recent dates the database information was updated by the vendor.

4.2.1 Subject Property Listings

The database report does not identify the subject property on the referenced databases, except for the following:

It should be noted that the address of 300 North Chevrolet Avenue (associated with Parcels A through E) corresponds to the former 194-acre Delphi/General Motors site that has since been split into several different parcels, this includes Parcels A through E, as well as the northern adjoining properties, currently owned and/or operated by Kettering University. Therefore, AKT Peerless was unable to fully distinguish between the subject property and the northern adjoining properties database listings. The database report identified the following listings associated with the subject property and properties formerly associated with the subject property:

- Delphi Flint West, 300 North Chevrolet Street, was listed on the AUL database. A RC with reference no. RC-RRD-213-09-195 was registered in January 2009.
- Delphi Energy and Engine (Delphi Flint West), 300 Chevrolet Avenue, was listed on the Engineering and Institutional Controls (AUL) database. A Notice of Corrective Action (NCA) and land use restrictions were registered with the Michigan Department of Environment, Great Lakes, & Energy (EGLE) with reference no. NCA-RRD-213-05-039 and NCA-RRD-213-09-012 in 2009, 2010, and 2011 involving industrial land use restriction residential land use restriction, groundwater consumption restriction, and excavation and soil movement restrictions.
- GM Fisher Guide Flint, 300 North Chevrolet Avenue, was listed on the AUL database. A RC with reference no. RC-RRD-201-13-057 was registered with EGLE in March 2013.
- Former Grand Trunk W Railroad, South Chevrolet, is listed on the Federal Brownfields (FED Brownfield) database. An assessment was completed on Parcels J and K in May 2017 and was completed in July 2017. Contaminants of concerns were listed as other metals and volatile organic compounds (VOCs).
- Former Chevy In the Hole, 300 North Chevrolet and 306 & 307 South Stevens, were listed on the Baseline Environmental Assessment (BEA) database (BEA No. 201301804LA). A BEA was submitted to the EGLE in 2013. Contaminants of concern were not provided.

- 300 North Chevrolet Avenue was listed on the BEA database (BEA No. 200901422LA). A BEA was submitted in 2009. Contaminants of concern were not provided.
- 306 South Stevenson Street was listed on the BEA database (BEA No. 200901423LA). A BEA was submitted in 2009. Contaminants of concern were not provided.
- Chevy in the Hole Sites & Activities, 300 North Chevrolet Avenue, 306 & 307 South Stevenson Street and Glenwood Avenue, was listed on the Facility Index System/ Facility Registry (FINDS/FRS) database as a brownfields property.
- 300 North Chevrolet Avenue was listed on the MI Spills – Pollution Emergency Alerting (PEAS) database with four distinct listings. Raw sewage or oil was determined to be discharging into the adjoining Flint River in 2000, 2003, and 2004. A release of light non-aqueous phase liquid (LNAPL) discharged into the adjoining Flint River in 2001.
- City of Flint, Chevrolet Avenue Bridge, is listed on the FINDS/FRS database for administrative management and general management consulting services in October 2022.
- 300 North Chevrolet Avenue was listed on the Emergency Release Notification System (ERNS) database with 13 distinct listings. The listings identified several releases occurring from 1990 to 2003. The releases involved gasoline, chromic anhydride, polychlorinated biphenyls (PCBs), oils, process wastewater, and raw sewage that impacted select media including soil, groundwater, impervious surfaces, and the Flint River.
- City of Flint, 300 North Chevrolet Avenue was listed on the RCRA-Treatment, Storage, Disposal Facility (TSDF) and RCRA Sites with Controls (CONTROLS) databases. At times from 1980 to 2013, the site was listed as a RCRA-Large Quantity Generator (LQG) of hazardous waste, specifically ignitable waste. Several RCRA violations were reported from 1986 to 1998. As of 2013, the site was listed as a handler, engaged in the treatment, storage, or disposal of hazardous waste. Each of the violations achieved compliance.
- City of Flint, 300 North Chevrolet Avenue was listed on the RCRA-Corrective Action Sites (CORRACTS) database. As of 2015, current human exposures were under control and as of 2019, the release to groundwater were determined to be controlled. As of September 2021, the institutional controls established and a plan for reuse is in place.
- City of Flint, 300 North Chevrolet Avenue was listed on the RCRA- Non-Generator (NON-GEN) database. As of December 2013, the site was listed as not a generator.
- Delphi Flint West, 300 North Chevrolet Avenue was listed on the Facility Index System (FINDS) database for air major, air synthetic minor and compliance activity. No additional information was provided.
- GMC – Chevrolet – Flint MFG, 300 North Chevrolet Avenue, was listed on the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), and CERCLIS – No Further Remedial Action Planned (NFRAP) databases. The site was discovered on February 16, 1990. A preliminary assessment was conducted in April 1990 and again in April 1991 with the recommendation no further action is planned. The site was archived in December 1995.
- Delphi Flint West, 300 North Chevrolet Avenue was listed on the UST database. 22 USTs containing diesel fuel, fuel oil, gasoline, motor oil, quench oil, washer water, and/or water/trace gas were installed from 1950 to 1989 and removed from the ground or closed in place from 1961 to 1999.
- Delphi Flint West, 300 North Chevrolet Avenue was listed on the Leaking Underground Storage Tank (LUST) database. 10 LUST incidences were reported from 1985 to 2006 involving gasoline and unreported substances. Each of the incidences are listed as closed with the exception of the 2006 release, which is listed as open.

- General Motors Corporation, 300 North Chevrolet Avenue was listed on the Federal Insecticide Tracking System Inspection (FTTS INSP) database. A violation was reported in 1988. No additional information was provided.
- Delphi Flint West, 300 North Chevrolet Avenue was listed on the Integrated Compliance Information Systems (ICIS) database. A notice of violation was reported; however, the specific nature of the violation or date was not provided.
- City of Flint and Chevy in the Hole Compost Site, 300 North Chevrolet Avenue, were listed on the waste databases with WDS Id: 393419 and 487960, respectively. No waste violations or enforcement actions were reported.
- Delphi Energy and Engine Management Systems, 300 North Chevrolet Avenue, is listed on the PCB database. The site was a generator of PCB since March 1990.
- Delphi Energy and Chassis Systems Flint West, 300 North Chevrolet Avenue was listed on the Toxics Release Inventory (TRIS) database. There site had following chemicals on site between 1987 to 2004; dichloromethane, phosphoric acid, cumene, acrylonitrile, chromium, xylene, acetone, trichloroethylene, dibutyl phthalate, certain glycol ethers, methyl ethyl ketone, toluene, styrene, aluminum, n-Buytl alcohol, di(2-ethylhexyl) phthalate, lead, methanol, zinc, nickel compounds, hydrochloric acid, copper, manganese, and mercury.
- Delphi Flint West, 300 North Chevrolet Avenue was listed on the Air Facility System (AFS) database. State inspections were recorded from 1981 through 2004. The site was listed as permanently closed and potential emissions are below all applicable major source enforceable regulations or limits.
- On the Flint River at 300 North Chevrolet Avenue is listed on the SPILLS database. A release of five to ten gallon of hydraulic oil was reported in September 1998.
- General Motors Corporation, 300 North Chevrolet Avenue was listed on the Historic (MLTS) database. No further information was provided.
- GM Fisher Guide Flint, 300 North Chevrolet Avenue, was listed on the BEA database (BEA No. 201602243LA). A BEA was submitted in 2016. Contaminants of concern were not provided.
- GM Fisher Guide Flint, 300 North Chevrolet Avenue, was listed on the State Hazardous Waste Site (SHWS) database. The site source is recorded as automotive services with Part 201 contamination.
- Former Chevy in the Hole, 300 North Chevrolet Avenue, listed on the FED Brownfields database. An assessment started in April 2012 over Parcels A through E and indicated all the parcels have been vacant since 2004. The report indicates petroleum products, VOCs, and polycyclic aromatic hydrocarbons (PAHs) have impacted the site's soil and groundwater.
- Chevy In the Hole, 300 North Chevrolet Avenue, was listed on the Superfund Enterprise Management Systems (SEMS) database. As of 2013, the site was not listed on the National Priorities List (NPL).
- GMC – Chevrolet – Flint MFG, 300 North Chevrolet Avenue, is listed on the SEMs Archive database. The site was discovered in 1990 and listed as an archive site in 1995.

Additionally, it should be noted that Parcels J and K corresponds to the former Grand Trunk Western Railroad and includes the southern/central adjoining properties. Therefore, AKT Peerless was unable to distinguish between Parcels J and K and the southern/central adjoining properties. The database report identified the following listings associated with former railroad on the subject property and properties formerly associated with the subject property:

- Grand Trunk Western Railroad, 1- Mile east of South Chevrolet Avenue, listed on the BEA databases (BEA Nos. 201602243LA, 201702305LA, 201702304LA, and 201702243LA). The BEAs were submitted in 2016 and 2017. Contaminants of concern were not provided.
- Former Grand Trunk Western Railroad, 1-1/2 Miles east of South Chevrolet Avenue, listed on the BEA databases (BEA Nos. 201702363LA and 201702364LA). The BEAs were submitted in 2017. Contaminants of concern were not provided.
- Former Grand Trunk Wester Railroad, South Chevrolet Avenue, was listed on the FINDS/FRS database as a brownfields property in 2018.

It is AKT Peerless' opinion that the above noted database listings have contributed to the known and overall subsurface contamination of the subject property. Refer to Section 4.3 for further details regarding the above noted listings.

4.2.2 Adjoining Properties

The database report does not identify the adjoining properties on the referenced databases, except for the following:

Detail Table for Northern Adjoining Property

Address	Name	Distance/Direction	Known/Inferred Groundwater Flow Direction:
1700 University Avenue / 1700 West 3rd Avenue / North Chevrolet Avenue and West 3rd Avenue	Kettering University	Adjoining/North of Parcels B and F	Inferred west
Databases			
LUST A release (REL-2310-91) of unreported substance was reported to the EGLE in 1991 and received closure in May 1992. A release (REL-0581-97) of unreported substance was reported to EGLE in 1997 and received closure in July 1998. Waste No additional information was provided. AUL Kettering University is listed on the AUL database. A RC with reference no. RC-RRD-213-05-046 was recorded in July 1998. Restrictions were listed as site-specific and soil movement. Further information regarding these database listing(s) is presented in Section 4.3.			

Detail Table for Northern Adjoining Property

Address	Name	Distance/Direction	Known/Inferred Groundwater Flow Direction:
304 North Chevrolet Avenue	GM Mobility Research Center, Kettering University, Kettering GM Mobility Research Center	Adjoining/ North of Parcel B	Inferred west
Databases			
RCRA – Very Small Quantity Generator (VSQG) Waste (WDS) This adjoining site was identified as a RCRA-Small Quantity Generator (SQG) of liquid industrial waste (LIW) as of 2016. In 2019, the adjoining property was listed as a RCRA- VSQG. No hazardous waste violations or enforcement actions were identified. FINDS/FRS Kettering University is listed on the FINDS/FRS database for remediation services as of July 2016. In AKT Peerless' opinion, this adjoining property does not represent an environmental concern to the subject property. A regulatory agency file review is not deemed warranted because: (1) this site is not listed on any databases indicative of a release or contamination, (2) no records of any hazardous waste violations were identified in the database report, and (3) a review of regulatory agency file information, if any exists, would not likely provide additional information that would assist in determining if a REC, HREC, CREC, or de minimis condition exists at the subject property in connection with this adjoining property.			

Detail Table for Northern Adjoining Property

Address	Name	Distance/Direction	Known/Inferred Groundwater Flow Direction:
1515 Bluff Street	Motors Liquidation Company /Former GMC WHS & DIST DIV Flint Plant 3	Adjoining/North of Parcel B	Inferred west
Databases			
RCRA-VSQG Waste This adjoining site was identified as a RCRA-VSQG as of 2010. No hazardous waste violations or enforcement actions were identified. In AKT Peerless' opinion, this adjoining property does not represent an environmental concern to the subject property. A regulatory agency file review is not deemed warranted because: (1) this site is not listed on any databases indicative of a release or contamination, (2) no records of any hazardous waste violations were identified in the database report, and (3) a review of regulatory agency file information, if any exists, would not likely provide additional information that would assist in determining if a REC, HREC, CREC, or de minimis condition exists at the subject property in connection with this adjoining property.			

Detail Table for Eastern Adjoining Property

Address	Name	Distance/Direction	Known/Inferred Groundwater Flow Direction:
119 North Grand Traverse Street (formerly associated with 121 North Grand Traverse Street)	119 North Grand Traverse Street, Feat Foundation	Adjoining/East of Parcel H	Inferred west
Databases			
119 North Grand Traverse Street BEA A BEA was submitted for this property in 1999 and 2013 (BEA No. 199900396LA and 201301897LA). Contaminants of concern were not provided. SHWS The site is listed on the SHWS database for Part 201 contamination. No further information was provided. **121 North Grand Traverse Street** Waste No hazardous waste violations or enforcement actions were identified. Further information regarding these database listing(s) is presented in Section 4.3.			

Detail Table for Eastern Adjoining Properties

Address	Name	Distance/Direction	Known/Inferred Groundwater Flow Direction:
630 & 712 West Kearsley Street (formerly associated with 510 West Kearsley Street)	630 and 712 West Kearsley Street, Atlas Warehousing Company, Action Auto Store	Adjoining/East of Parcel I	Inferred west
Databases			
630 and 712 West Kearsley Street BEA A BEA was completed at this site in 2014 (BEA No. 201401988LA). Contaminants of concern were not provided. FED Brownfields A Phase I ESA was completed in 2017 utilizing federal funding. **510 West Kearsley Street** UST Atlas Warehousing Co is listed on the UST database. A 10,000-gallon gasoline UST was installed in May 1966 and was removed from the ground in January 1986. Waste No hazardous waste violations or enforcement actions associated with this adjoining property were reported. Further information regarding these database listing(s) is presented in Section 4.3.			

Detail Table for Southern Adjoining Property

Address	Name	Distance/Direction	Known/Inferred Groundwater Flow Direction:
425 Stevenson Street	Cadillac Flint Tool and Die, General Motors LLC, General Motors – Flint Tool & Die	Adjoining/South of Parcel E	Inferred northwest
Databases			
RCRA SQG Waste General Motors LLC was identified as a SQG of hazardous waste in 2014 and previously had been a VSQG from 2009 to 2010. No hazardous waste violations or enforcement actions were reported in the database listing. RCRA NON-GEN Waste The Cadillac Flint Tool and Die is identified as a RCRA NON-GEN as of December 2001. No hazardous waste violations or enforcement actions were reported in the database listing. SPILLS A release of untreated potable water discharged to municipal storm water drains in January 2019 with incident no. 20657. No additional information was provided. Further information regarding these database listing(s) is presented in Section 4.3.			

Detail Table for Southern Adjoining Property

Address	Name	Distance/Direction	Known/Inferred Groundwater Flow Direction:
NW Corner of Stevenson & Glenwood /NW Corner of Stevenson and Kearsley (formerly address with 300 North Chevrolet Avenue)	Flint West Former Building 9, RACER Flint West, RACER Flint West #12990	Adjoining/ South of Parcel B	Inferred west
Databases			
Waste No hazardous waste violations or enforcement actions were identified. Perfluorinated Alkyl Substances (PFAS) RACER Flint West is listed on the PFAS database for an industrial property. No further information was provided. SHWS RACER Flint West #12990 is listed on the SHWS database for Part 201 contamination. No further information was provided. AUL RACER Flint West Site, 300 North Chevrolet Avenue, was listed on the AUL database. A RC with reference no. RC-OWMRP-111-21-005 was registered in September 2021. Restrictions were reported as residential, site-specific, groundwater consumption, special building, soil movement, monitoring well, and exposure barrier. Further information regarding these database listing(s) is presented in Section 4.3.			

Detail Table for Southern Adjoining Property

Address	Name	Distance/Direction	Known/Inferred Groundwater Flow Direction:
417 and 505 Asylum Street	417 and 505 Asylum Street	Adjoining/ South of Parcel C	Inferred west
Databases			
BEA A BEA was submitted for the site in 2018 (BEA No. B201802436LA). Contaminants of concern were not provided. Further information regarding these database listing(s) is presented in Section 4.3.			

Detail Table for Southern Adjoining Property

Address	Name	Distance/Direction	Known/Inferred Groundwater Flow Direction:
SE Corner of Glenwood & South Chevrolet / 1625 Glenwood Avenue	SE Corner of Glenwood & South Chevrolet, Former Gulf	Adjoining/ South of Parcel C	Inferred west
Databases			
BEA A BEA was completed at this site in 2009. Contaminants of concern were not provided. UST LUST A non-registered tank was associated with this site of an unreported substance and provided no removal dates. A release of an unreported substance was reported to the EGLE in October 2009. The release is listed as open. Further information regarding these database listing(s) is presented in Section 4.3.			

Detail Table for Southern Adjoining Property

Address	Name	Distance/Direction	Known/Inferred Groundwater Flow Direction:
1701 Glenwood Avenue	Central Quality Services, Glenwood Site, Kettering University - Glenwood, Kettering University - Glenwood at Fox	Adjoining/ South of Parcel C	Inferred west
Databases			
UST A 3,000-gallon gasoline UST was installed in 1956 and removed from the ground at an unknown date. A 10,000-gallon fuel oil UST was installed in February 1956 and removed from the ground in April 2021. LUST A release of unreported substance was reported in April 2002, which remains listed as open. A release of fuel oil was reported on April 2021 and remains open. BEA A BEA was submitted for this property in 2002 (BEA No.200200631LA). Contaminants of concern were not provided. RCRA VSQG Waste Kettering University – Glenwood at Fox was identified as a VSQG in 2021 and previously had been a LQG. No hazardous waste violations or enforcement actions were reported in the database listing. Further information regarding these database listing(s) is presented in Section 4.3.			

Detail Table for Southern Adjoining Property

Address	Name	Distance/Direction	Known/Inferred Groundwater Flow Direction:
1730 Glenwood Avenue	1730 Glenwood Avenue	Adjoining/South of Parcel A	Inferred west
Databases			
BEA A BEA was completed at this site in 2016 and 2017. Contaminants of concern were not provided. Further information regarding these database listing(s) is presented in Section 4.3.			

Detail Table for Southern Adjoining Property

Address	Name	Distance/Direction	Known/Inferred Groundwater Flow Direction:
1940 West Court Street	Ray All Garage	Adjoining/South of Parcel A	Inferred west
Databases			
Waste No hazardous waste violations or enforcement actions were reported in the database listing. In AKT Peerless' opinion, this adjoining property does not represent an environmental concern to the subject property. A regulatory agency file review is not deemed warranted because: (1) this site is not listed on databases indicative of a release or contamination, (2) no records of hazardous waste violations were identified in the database report, and (3) a review of regulatory agency file information, if any exists, would not likely provide additional information that would assist in determining if a REC, HREC, CREC, or de minimis condition exists at the subject property in connection with this adjoining property.			

4.2.3 Nearby Sites

AKT Peerless' review of the referenced databases also considered the potential or likelihood of contamination from nearby sites. To evaluate which of the nearby sites identified in the database report present an environmental risk to the subject property, AKT Peerless considered the following criteria:

- Type of database on which the site is identified.
- Topographic position of the identified site relative to the subject property.
- Direction and distance of the identified site from the subject property.
- Local soil conditions in the subject property area.
- Known or inferred groundwater flow direction in the subject property area.
- Status of the respective regulatory agency-required investigation(s) of the identified site, if any.
- Surface and subsurface obstructions and diversions (e.g., buildings, roads, sewer systems, utility service lines, rivers, lakes, and ditches) located between the identified site and the subject property.

Only those nearby sites that are judged to present a potential environmental risk to the subject property are further evaluated by reviewing agency file information. Using the above criteria and based upon a

review of readily available information contained within the database report, AKT Peerless did not identify nearby sites that present a potential environmental risk to the subject property.

4.2.4 Unplottable Sites

AKT Peerless did not identify unplottable, orphan, or unmapped sites of concern that could not be accurately geo-coded by the third-party provider during review of the database report, except the following:

- One site was recorded on the SPILLS database. The database listing indicates that on July 16, 1998, a release of oil was reported in the Flint River; however, could not be accurately geo-coded. No further information was provided. It is AKT Peerless' opinion, an oil release to the Flint River in 1998 is unlikely to represent a current environmental concern to the subject property. No further evaluation of this database report is warranted at this time.

4.3 Regulatory Agency File and Records Review

In January 2020, the Michigan EGLE changed their Freedom of Information Act (FOIA) request policy. The revised policy includes an internal review of requested documents to evaluate the need for redactions (among other changes). This policy change has resulted in delays to the access of file information and a significant increase to FOIA fees. In some cases, these time and cost increases have made this information not *reasonably ascertainable* as defined in ASTM Practice E 1527. Regulatory file information that was not considered *reasonably ascertainable* is summarized in the appropriate sections below.

4.3.1 Michigan Department of Licensing and Regulatory Affairs (LARA)

AKT Peerless contacted LARA's Bureau of Fire Services to review available records regarding registered storage tanks associated with the subject property and select adjoining properties.

Subject Property

LARA maintained records consistent with those summarized in Section 4.3.2, as provided by the EGLE RIDE.

Adjoining Properties

LARA provided AKT Peerless with file information for the following adjoining properties:

1700 University Avenue (northern adjoining property)

LARA provided AKT Peerless with records for the northern adjoining property. According to these records, a 4,000-gallon gasoline UST, a 1,000-gallon diesel UST, a 1,500-gallon gasoline UST, and a 500-gallon diesel UST were formerly located on site. The 1,500-gallon gasoline and 500-gallon diesel USTs were removed from the ground in November 1991. The 4,000-gallon gasoline and 1,000-gallon diesel USTs were removed from the ground in October 1997. A 560-gallon gasoline UST was installed in May 1999 and removed from the ground in March 2015.

A confirmed release, C-2310-91, of gasoline was reported on October 31, 1991 from the 1,500-gallon UST after a visual inspection and the presence of product. A confirmed release, C-581-97, of gasoline and diesel was reported from the 1,000-gallon diesel tank after a failed VacuTect test on July 22, 1997

and from the 4,000-gallon gasoline UST, based on laboratory analytical results detected in soils beneath the dispenser on October 16, 1997. It was noted that the diesel UST contained approximately 170-gallons and was expected to be emptied.

LARA provided Inspection Reports from Feb 1996 to April 2015, Individual Tank/Line/Leak Detector Test Report from March 1996 to July 1997, Storage Tank System Certificate of Insurance for 1995 to 1996, Certificate of UST System Testing from March 1996, UST Plan Review Report, dated March 11, 1999, Registration of USTs, Intent of Removal, Closure, or Change-in-service of USTs Forms and correspondences.

See Sections 4.3.2 and 4.3.3 for further information regarding this northern adjoining property.

Atlas Warehousing Company, 630 West Kearsley Street; formerly known as 510 West Kearsley Street (eastern adjoining property)

LARA provided AKT Peerless with records for the eastern adjoining property. According to these records, a 10,000-gallon gasoline UST were formerly located on the property. The UST was installed in May 1966 and removed in May 1986. An inspection of the UST was completed at time of removal and indicated no contamination was found. LARA provided Inspection report from January 1997.

Refer to Sections 4.3.2 and 4.3.3 for further information regarding the eastern adjoining property.

1625 Glenwood Avenue (southern adjoining property)

LARA provided AKT Peerless with records for the southern adjoining property. According to these records, a confirmed release, C-0166-09, was reported on October 5, 2009, based on a February 2009 BEA that identified contamination located at the former service station.

See Section 4.3.2 for further information regarding this southern adjoining property.

1701 Glenwood Avenue (southern adjoining property)

LARA provided AKT Peerless with records for the southern adjoining property. According to these records, a 10,000-gallon heating oil and a 3,000-gallon gasoline UST were formerly located on this property. These USTs were removed in April 2021. The 3,000-gallon UST was previously closed in place with concrete and had concrete broken out of the tank and removed from the ground. It was noted that the 10,000-gallon heating oil UST was historically listed as a 6,000-gallon UST. A confirmed release, C-0213-02, was reported on April 18, 2002, based on a BEA report.

See Sections 4.3.2 and 4.3.3 for further information regarding this southern adjoining property.

4.3.2 EGLE Remediation and Redevelopment Division (RRD)

AKT Peerless reviewed the current Michigan EGLE RRD Perfected Lien List to determine if environmental cleanup liens had been filed against the subject property.

AKT Peerless also referenced the EGLE Remediation Information Data Exchange (RIDE) for information regarding the subject property and adjoining properties.

AKT Peerless reviewed EGLE's Environmental Mapper to determine if known land use restrictions have been filed against the subject property.

In addition, AKT Peerless submitted a request to the EGLE RRD to review available file information regarding USTs, LUSTs, or other environmental records pertaining to the subject property and adjoining properties.

AKT Peerless was a primary environmental consultant for the City of Flint and the Genesee County Land Bank Authority (GCLBA) from 2009 to 2016, as well as Genesee County Parks in 2020. Since 2009, AKT Peerless completed, reviewed, and/or had direct oversight with the majority of environmental investigations conducted on-site. AKT Peerless relied upon environmental reports completed on Parcels A through E, to date, maintained within AKT Peerless' Saginaw, Michigan office. Additionally, a request for records pertaining to Parcels A through K from the EGLE RRD was completed. Furthermore, as summarized in the following sections, AKT Peerless has summarized the most relevant environmental data that identifies current subsurface conditions.

Subject Property

According to the Perfected Lien List, EGLE does not have record of environmental cleanup liens filed against the subject property.

Land use restrictions associated with the subject property were not noted during EGLE's Environmental Mapper, except the following:

A Corrective Action Notice to Register of Deeds was recorded with the Genesee County Register of Deeds on November 25, 1998 for Parcel B. A release was discovered during the removal of two gasoline USTS, identified as #16 and #17. The corrective action indicates the following restrictions: (1) prohibit land use not compatible with Industrial land use and (2) restrictions on utilization of groundwater resources and underground utility/construction activities in localized areas of impacted soils.

A Declaration of RC was recorded with the Genesee County Register of Deeds on January 14, 2009 for Parcels A, B, and C. The RC indicates the following restrictions: (1) prohibit land use not compatible with Industrial uses and Commercial II, l III, and IV land use, (2) prohibit construction of structures with basements, (3) prohibit excavating any portion of the property, (4) prohibit use of extracting groundwater for consumption, irrigation, or any other purpose (5) prohibit any treatment, storage, or disposal of hazardous substances, (6) no digging or disturbances of subsurface soils or groundwater, and (7) maintain concrete slabs located on the property.

A Declaration of RC was recorded with the Genesee County Register of Deeds on March 6, 2013 for Parcels A, B, C, D, and E. The RC indicates the following restrictions: (1) prohibit land use not compatible with nonresidential purposes and for restrictive residential purposes, (2) prohibit use of extracting groundwater for consumption, irrigation, or any other purpose (3) prohibit construction of buildings with basements unless vapor mitigation system is installed in basement, (4) excavation of soils, (5) no commercial hazardous waste treatment, storage or disposal operations, (6) manage all soils, media, and/or debris, and (7) prohibit removal of existing concrete slabs. RC indicated response activities will be implemented under an Agreement, Order on Consent and Covenant Not Sue between the City of Flint and the USEPA to address environmental contamination at the property. The RC terminated the August 2008 RC and December 2008 RC, effective as March 2013.

The following subject property UST information was identified in the RIDE database:

Subject Property EGLE RIDE UST Details

Tank ID	Installation Date	Tank Contents	Tank Capacity	Removal Date	Tank Status
2	1950	Water/Trace Gasoline	2,000 gallons	1990	Removed from Ground
3	1973	Fuel Oil	50,000 gallons	1990	Removed from Ground
4	1973	Fuel Oil	50,000 gallons	1990	Removed from Ground
5	1975	Fuel Oil	50,000 gallons	1990	Removed from Ground
6	1975	Fuel Oil	50,000 gallons	1990	Removed from Ground
8	1964	Gasoline	7,500 gallons	1988	Removed from Ground
9	1964	Water/Trace Gasoline	7,500 gallons	1989	Removed from Ground
10	1952	Water/Trace Gasoline	1,000 gallons	1989	Removed from Ground
12	1952	Gasoline	16,000 gallons	1989	Removed from Ground
13	1952	Wash Water	16,000 gallons	1989	Removed from Ground
14	1967	Gasoline	20,000 gallons	1990	Removed from Ground
15	1973	Diesel	10,000 gallons	1990	Removed from Ground
16	1973	Water/Trace Gasoline	9,500 gallons	1988	Removed from Ground
17	1973	Water/Trace Gasoline	9,500 gallons	1988	Removed from Ground
20	1981	Diesel	550 gallons	1990	Removed from Ground
23	1988	Gasoline	12,000 gallons	1999	Removed from Ground
24	1989	Gasoline	12,000 gallons	1999	Removed from Ground
25	1966	Quench Oil	15,000 gallons	1990	Closed in place
26	1954	Gasoline	20,000 gallons	1992	Removed from Ground
27	Not reported	Gasoline	1,000 gallons	1995	Removed from Ground
28	Not reported	Gasoline	1,000 gallons	1995	Removed from Ground
UST-4	1928	Motor Oil	15,300 gallons	2006	Removed from Ground

Nine closed LUST listings and one open LUST listing were identified at the subject property within the database report. Precise locations of each of the above noted USTs could not be determined. The LUST listings on the subject property are summarized as follows:

Leak ID	Discovery Date	Substance Released	Release Status
C-0086-85	04/18/1985	Not reported	Closed 07/19/1995
C-0085-85	08/06/1986	Not reported	Closed 04/10/2001
C-0087-85	08/25/1986	Not reported	Closed 01/10/1997
C-0084-85	05/22/1989	Not reported	Closed 04/01/1997
C-0566-89	05/22/1989	Not reported	Closed 07/19/1995
C-0551-90	01/02/1990	Not reported	Closed 08/18/1995
C-0894-90	05/21/1990	Not reported	Closed 08/22/1995
C-2048-92	11/18/1992	Gasoline	Closed 02/05/1997
C-0291-99	03/24/1999	Gasoline	Closed 06/21/1999
C-0290-06	10/02/2006	Other	Open

Parcels A through E

Several distinct subsurface investigations have been conducted on Parcels A through E from 1985 to 2013. These investigations were completed in order to determine the subsurface conditions of these parcels, due to former industrial operations. Reports/Investigations reviewed included: File Review and

Field Investigation, completed by Blasland, Bouck, & Lee, Inc. (BBL), 1985; Additional Field Investigation, completed by BBL, 1986; UST Closure Report, completed by Environmental Science & Engineering, Inc., 1992; Investigation, completed by BBL 1995; LUST Closure Report, completed by Global Environmental Engineering, Inc. (Global), 1999; Interim Remedial Action Plan, completed by Conetoga-Rovers & Associates (CRA), 2002; Remediation, completed by Dragun Corporation (Dragun), 2004; LUST Initial Assessment Report (IAR), completed by Golder Associates (Golder), 2007; LUST Final Assessment Report (FAR), completed by Golder, 2009; Phase I ESA, completed by AKT Peerless, 2009; BEA, completed by Dragun, 2009; Phase II ESA, completed by AKT Peerless, 2010; Site Assessment Report, completed by Weston Solutions, Inc. (Weston), 2010; Site Assessment Report, completed by Weston, 2011; Technical Memorandum for the Data Gaps Assessment Activities and Results, completed by Weston, 2011; Site Investigation Report, completed by Lata-Kemron Remediation, LLC (LKR), 2012; Remedial Action Work Plan, completed by LKR, 2013; Groundwater Monitoring Report, RACER, 2013; and Groundwater Monitoring, conducted by AKT Peerless, 2013-2014. It should be noted that the above referenced reports/investigations were parcel, area, and/or site specific; further, each parcel had varying levels of investigations completed over time. Not all parcels had the same degree of investigations, due to known and identified environmental concerns. The following sections summarize the findings of the above noted investigations.

Parcel A

Investigations conducted on Parcel A consisted of the culmination of hundreds of soil and groundwater samples that were submitted for laboratory analysis of select parameters including VOCs, semi-volatile organic compounds (SVOCs), polynuclear aromatic hydrocarbons (PNAs), PCBs, and metals. According to laboratory analysis, concentrations of select VOCs, PNAs, SVOCs, PCBs, and metals have been identified within on-site soil and groundwater in excess of the EGLE Generic Residential Cleanup Criteria (RCC). Based on laboratory analytical results, Parcel A of the subject property meets the definition of a *facility*[6], as defined in Part 201 of the NREPA, Michigan Public Act (PA) 451, 1994, as amended. Further, concentrations of LNAPL have been identified within the soil/groundwater of Parcel A.

Parcel B

Investigations conducted on Parcel B consisted of the culmination of hundreds of soil and groundwater samples, submitted for laboratory analysis of select parameters including VOCs, SVOCs, PNAs, PCBs, and metals. According to laboratory analysis, concentrations of select VOCs, SVOCs, PNAs, and metals have been identified within on-site soil and groundwater in excess of the EGLE Generic RCC. Based on laboratory analytical results, Parcel B of the subject property meets the definition of a *facility,* as defined in Part 201 of the NREPA, Michigan PA 451, 1994, as amended. Further, concentrations of LNAPL have been identified within the soil/groundwater of Parcel B.

Parcel C

Investigations conducted on Parcel C consisted of the culmination of over 100 soil and groundwater samples, submitted for laboratory analysis of select parameters including VOCs, SVOCs, PNAs, PCBs, and metals. According to laboratory analysis, concentrations of select VOCs, PNAs, and metals have been identified within on-site soil and groundwater in excess of the EGLE Generic RCC. Based on laboratory

[6] "Facility" means any area, place, or property where a hazardous substance in excess of the concentrations that satisfy the cleanup criteria for unrestricted residential use has been released, deposited, disposed of, or otherwise comes to be located.

analytical results, Parcel C of the subject property meets the definition of a *facility,* as defined in Part 201 of the NREPA, Michigan PA 451, 1994, as amended.

Parcel D

Investigations conducted on Parcel D consisted of the culmination of over 50 soil and groundwater samples, submitted for laboratory analysis of select parameters including VOCs, SVOCs, PNAs, PCBs, and metals. According to laboratory analysis, concentrations of select VOCs, PNAs, and metals have been identified within on-site soil and groundwater in excess of the EGLE Generic RCC. Based on laboratory analytical results, Parcel D of the subject property meets the definition of a *facility,* as defined in Part 201 of the NREPA, Michigan PA 451, 1994, as amended. Further, concentrations of LNAPL have been identified within the soil/groundwater of Parcel D.

Parcel E

Investigations conducted on Parcel E consisted of the culmination of over 50 soil and groundwater samples, submitted for laboratory analysis of select parameters including VOCs, SVOCs, PNAs, PCBs, and metals. According to laboratory analysis, concentrations of select VOCs, PNAs, and metals have been identified within on-site soil and groundwater in excess of the EGLE Generic RCC. Based on laboratory analytical results, Parcel E of the subject property meets the definition of a *facility,* as defined in Part 201 of the NREPA, Michigan PA 451, 1994, as amended.

Contaminants identified within soil located on Parcels A through E primarily range from immediately below the ground surface to 20.0 feet bgs. Contaminants within groundwater located on Parcels A through E primarily ranges from 5.0 to 20.0 feet bgs.

The following file information pertaining to the subject property was obtained from the EGLE RRD:

EGLE RRD provided AKT Peerless with a BEA report, completed in January 2020 on behalf of Genesee County by AKT Peerless on Parcels A through E. The BEA report was prepared with subsurface investigations results generated on or after 2010, with verifiable laboratory analytical reports, including current laboratory methodologies and sample collection locations, to evaluate the current nature and extent of soil and groundwater contamination. Specifically, AKT Peerless review previous reports completed by AKT Peerless, Weston, and Environmental Consulting and Technology, Inc. The extent of soil and groundwater contamination is described above on Parcels A through E.

Parcels J & K

A BEA was completed on behalf of Kettering University in October 2016, by Compliance, Inc. (Compliance), which included Parcels J and K, two southern/central adjoining properties, an eastern adjoining property, and an additional former railroad parcels to the east of North Grand Traverse Street. The BEA was completed subsequent to a Phase I ESA and Phase II ESA (subsurface investigation) in August 2016. At the time of the August 2016 Phase I ESA, the subject property and adjoining properties were vacant lots overgrown with vegetation. The former railroad tracks and ties were removed from the property in 1999. Compliance identified several RECs that included former railroad use, adjoining property historically utilized as General Motors manufacturing, adjoining properties was historically used as a tannery and flint foundry, three nearby dry cleaners, six open LUST upgradient to the site, historical filling station and auto repair shops, coal and oil storage, other commercial and manufacturing operations on adjacent/nearby parcels, and four sites with environmental releases.

A total of 15 soil borings were advanced on the former railroad parcels with the collection of 30 soil and 10 groundwater samples. Additionally, six surface samples were collected as a supplemental Phase II ESA. The samples were submitted for laboratory analysis of VOCs, SVOCs, PCBs, and select metals. For Parcels J and K of the subject property, a total of four soil borings with eight soil, three groundwater, and three surface samples were collected between 0.0 and 16.0 feet bgs. According to laboratory analytical results, levels of arsenic, cadmium, copper, lead, selenium, mercury, silver, and zinc were identified within soil and groundwater samples exceeding the current EGLE Part 201 Generic RCC. Based on laboratory analytical results, Parcels J and K of the subject property meets the definition of a *facility,* as defined in Part 201 of the NREPA, Michigan PA 451, 1994, as amended. As a result of exceedance of the EGLE Part 201 Generic RCC, a BEA was completed.

For the two southern/central adjoining properties, a total of seven soil, three groundwater, and one surface samples were collected. According to laboratory analytical results, levels of arsenic, copper, lead, selenium, and trichloroethene were identified within soil and groundwater samples exceeding the current EGLE Part 201 Generic RCC. Based on laboratory analytical results, the southern/central adjoining properties meets the definition of a *facility,* as defined in Part 201 of the NREPA, Michigan PA 451, 1994, as amended.

Two soil samples were collected north of Parcel H of the subject property and six soil and two groundwater samples on the eastern adjoining property. According to results, levels of arsenic, mercury, lead, selenium, benzene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, and fluoranthene were identified in select soil and/or groundwater samples exceeding the current EGLE Part 201 Generic RCC. Based on laboratory analytical results, the eastern adjoining property meets the definition of a *facility,* as defined in Part 201 of the NREPA, Michigan PA 451, 1994, as amended.

A BEA was completed on behalf of Genesee County Parks & Recreation Commission in July 2017, by AKT Peerless that included the same parcels as the 2016 BEA with the exception of a portion of Parcel K. The BEA was completed subsequent to a Phase I ESA in July 2017 and utilized the previous Phase II ESA (subsurface investigation) completed by Compliance in 2016. At the time of the July 2017 Phase I ESA, the subject property and adjoining properties were structurally vacant land. AKT Peerless identified several RECs that included the 2016 subsurface soil and groundwater contamination, operated as a railroad right of way, and the adjoining properties to the north, northwest, and southern operated for industrial purposes, primarily automotive manufacturing from late 1800s to early 2000s.

Adjoining Properties

Land use restrictions associated with the adjoining properties were not noted during EGLE's Environmental Mapper, except the following:

A Declaration of RC was recorded with the Genesee County Register of Deeds on September 20, 2021 for the northern adjoining property, a Consumers Energy substation. The RC indicates the following restrictions: (1) prohibit all uses of its facilities that are not compatible with the exposure assumptions for the nonresidential cleanup criteria, (2) prohibit use of extracting groundwater for consumption, irrigation, or any other purpose, (3) prohibit construction and/or occupancy of any new structure unless the construction incorporates engineering controls designed to eliminate the potential for subsurface vapor phase contaminants, and (4) maintain compliance with the RC, due care plan, and applicable due care obligations.

A Corrective Action Notice to Register of Deeds was recorded with the Genesee County Register of Deeds on September 13, 2000 for the northern adjoining property, addressed as 300 North Chevrolet Avenue. A release was reported on June 26, 1986, by UST #1 formerly located on the west side of former Building 2A. The corrective action indicates the following restrictions: (1) prohibit land use not compatible with industrial land use.

A Corrective Action Notice to Register of Deeds was recorded with the Genesee County Register of Deeds on January 14, 1999 for the northern adjoining property, 304 North Chevrolet Avenue. A release was discovered during the removal of two gasoline/process wash water USTS, identified as #12 and #13. The corrective action indicates the site land use as unrestricted. A corrective action plan was not needed since the site meets a Tier I commercial/industrial lookup table.

The following adjoining properties were identified on the RIDE database:

Kettering University, 1700 University Avenue (northern adjoining property)

Northern Adjoining Property EGLE RIDE UST Details (1700 University Avenue)

Tank ID	Installation Date	Tank Contents	Tank Capacity	Removal Date	Tank Status
1	4/18/1980	Gasoline	4,000 gallons	Not listed	Removed from Ground
2	4/18/1980	Gasoline	1,000 gallons	Not listed	Removed from Ground
3	4/18/1976	Gasoline	1,500 gallons	Not listed	Removed from Ground
4	4/18/1976	Diesel	500 gallons	Not listed	Removed from Ground
5	5/4/1999	Gasoline	560 gallons	Not listed	Removed from Ground

Two releases of unknown substances (C-2310-97 and C-0581-97) were discovered on October 31, 1991, and October 29, 1997, respectively. Both releases statuses are currently listed as closed.

Atlas Warehousing Company, 510 West Kearsley Street (eastern adjoining property)

Limited UST information was identified in the RIDE database. A 10,000-gallon UST was installed May 7, 1966 and removed from the ground in 1986. Additional USTs were not listed in the RIDE database.

Former Gulf, 1625 Glenwood Avenue (southern adjoining property)

- Release REL-0166-09 was reported October 5, 2009 and remains open.

Limited UST information was identified in the RIDE database. A non-registered tank was formerly located onsite and registered in October 2009. No further information was provided.

Central Quality Services, 1701 Glenwood Avenue (adjoining to the south of Parcel C)

Southern Adjoining Property EGLE RIDE UST Details

Tank ID	Installation Date	Tank Contents	Tank Capacity	Removal Date	Tank Status
1	2/28/1956	Other	10,000 gallons	4/6/2021	Removed from ground
2	Not listed	Gasoline	3,000 gallons	Not listed	Closed in Ground

A release of gasoline (C-0213-02) was discovered on April 18, 2002. The release status is currently listed as open. A confirmed release of heating oil, C-0135-21, was reported on April 22, 2021, and listed as open.

The following file information was obtained from the EGLE RRD pertaining to the northern, eastern, and southern adjoining properties:

Kettering University, 1700 University Avenue (formerly 1700 West 3rd Avenue) (adjoining to the north of Parcels B and F)

AKT Peerless requested EGLE RRD file information regarding this northern adjoining property; however, a response has not been received during the course of this assessment. The northern adjoining property, currently owned by Kettering University was subject to various environmental investigations, associated with Parcels A through E. Based upon AKT Peerless' institutional knowledge of subsurface conditions of the northern adjoining property, this property is known to have soil and groundwater contamination in excess of the EGLE Generic RCC, due to former industrial use.

In AKT Peerless' opinion, this northern adjoining property does not represent an environmental concern to the subject property due to: (1) this adjoining property is spatially separated from the subject property by the Flint River and (2) it is unlikely that migration has occurred or is comingling with on-site contamination.

119 North Grand Traverse Street (adjoining to the east of Parcel H)

EGLE file information indicates the property was originally developed with the Atwood Woolen Mills in the late 1880s or early 1900s. The southern portion of the warehouse structure was used by the City of Flint Water Department for repair purposes from 1915 through 1955. The remaining portion was utilized by the City of Flint Fire Department Station #2 as a repair facility from 1912 through 1980. In 1980, the building was converted into commercial office space. A former UST was located along the western property boundary, near the former Police Department Garage on the adjoining property. Five soil borings were advanced to 12.0 feet bgs and groundwater was not encountered. Soil analytical results indicated the presence of VOCs and PNAs above the EGLE Part 201 Residential Groundwater Surface Water Interface Protection (GSIP) Criteria between 2.0 and 8.0 feet bgs. In addition, benzo(a)pyrene was detected above Part 201 Residential Direct Contact (DC) Criteria. A BEA was completed by Applied Ecosystems, Inc. on behalf of 119 GT LLC in October 2013.

In AKT Peerless' opinion, the eastern adjoining property does not represent a REC to the subject property based on: (1) the spatial separation of the subject property from this property by the Flint River and associated concrete river channel and (2) it is unlikely that migration has occurred and is comingling with on-site contamination.

630 and 712 West Kearsley Street (adjoining to the east of Parcel I)

EGLE file information indicates that a BEA was completed on the property in August 2014, referencing a Phase I ESA, completed in July 2014, for River City Developments, LLC, by ASTI Environmental. The Phase I ESA identified historical site use of these parcels as a former coal/oil storage facility, former filling station, former use of up to five USTs, and the historical adjoining property's light industrial operations.

Based on the findings of the Phase I ESA, a Phase II ESA was completed on-site in July 2014 that included the advancement of nine soil borings, the collection of nine soil samples, the collection of three

groundwater samples, and the completion of a geophysical survey to determine the presence/absence of any abandoned USTs. The soil and groundwater samples were submitted for laboratory analysis of select parameters including VOCs, PNAs, PCBs, and Michigan 10 Metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc). According to laboratory analytical results, concentrations of arsenic, chromium, lead, mercury, selenium, and zinc were identified within select soil and groundwater samples exceeding the current EGLE Part 201 Generic RCC. Based on laboratory analytical results, this property meets the definition of a *facility,* as defined in Part 201 of the NREPA, Michigan PA 451, 1994, as amended.

In 2014, a geophysical survey identified an anomaly consistent with a UST on the eastern portion of the property. A subsequent test pit excavation was completed and identified a 1,000-gallon UST. The UST was suspected to have formerly contained fuel oil. The excavation was backfilled, and the UST was kept in place. The report indicated that the UST would be removed with the proper site assessment (soil verification samples and reporting) upon property transfer. AKT Peerless' research did not identify any records pertaining to the removal of this UST. No additional anomalies consistent with USTs were identified during the 2014 geophysical survey.

In AKT Peerless' opinion, the eastern adjoining properties do not represent a REC to the subject property based on: (1) the spatial separation of the subject property from this property by the Swartz Creek and (2) it is unlikely that migration has occurred and is comingling with on-site contamination.

Racer Flint West #12990, NW Corner of Stevenson and Kearsley (adjoining to the south of Parcel B)

EGLE file information indicates that a Revised Addendum for a Draft Work Plan for Hydrogen Release Compound (HRC) Pilot Test was conducted on the property on October 6, 2017, which was completed by Applied EcoSystems, Inc. (Applied); following EGLE's review of their Work Plan, initially submitted on October 6, 2016. The Draft Work Plan was designed to allow for evaluation of approvals needed, field methods, and effectiveness of the proposed injection of HRC to address chlorinated volatile organic compounds (CVOCs) contamination in soil and groundwater at the site and northern adjoining former rail line property.

The site consists of approximately 5 acres of land, developed with a Consumers Energy substation. Past environmental investigations have indicated that the primary contaminant of concern on the site is trichloroethene, which appears to be present from historical releases of contamination at the site. No significant trichloroethene source mass was found in unsaturated soils. The highest remaining concentrations of trichloroethene in soils are in the saturated unit and underlying clay in the northern portion of the site and the north adjoining former rail line property. The highest levels of trichloroethene in groundwater are east of this area.

The EGLE indicated that there did not appear to be current complete exposure pathways identified for the contamination at the site and that it might be possible to obtain "No Further Action" pursuant to EGLE's Part 201 program relying on institutional controls and without active corrective action. However, it is noted that corrective action was proposed for this site to enhance the apparent ongoing attenuation of CVOCs in the groundwater, which could reduce the time period for future groundwater monitoring, minimize reliance on institutional controls on downgradient properties, and address possible future more stringent cleanup criteria.

EGLE provided Per- and Polyfluoroalkyl Substances (PFAS) Subsurface Investigation, dated September 22, 2021, by Applied on behalf of RACER Trust/Flint West #12990 to characterize and to delineate further

the extent of PFAS detected in groundwater on the adjacent property based on samples collected from monitoring wells. Groundwater was first analyzed for PFAS in samples collected in January 2018 and several PFAS compounds, including perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) were detected. EGLE established drinking water Maximum Contaminant Levels (MCLs) in August 2020 for seven PFAS. In December 2020, EGLE adopted the MCLs of all seven PFAS as Part 201 Residential and Nonresidential Groundwater Generic Criteria and Screening Levels. A total of 16 soil borings were advanced to depths of 15.0 to 30.0 feet bgs. Applied collected 45 soil samples including four duplicates and 48 groundwater samples included four field blanks, one trip blank, one equipment blanks, and four duplicates for PFAS. Additionally, four samples were analyzed for fraction organic carbon (FOC). FOC was analyzed to determine the expected adsorption of PFAS. The concentration of FOC was variable in samples but is present, and adsorption of certain PFAS and its attenuation in groundwater is expected.

Based on laboratory results, PFAS compounds were found in soil samples with PFOS and PFOA exceeding the EGLE Part 201 Generic RCC GSIP criteria. One or more PFAS compounds were detected in all groundwater samples collected with only PFOA and PFOS exceeding the EGLE Part 201 Generic RCC. PFAS was detected across most the property with the highest concentration in the north/northeastern portion of the site, where PFAS was identified with both soil and groundwater.

EGLE file information included PFAS Subsurface Investigation Work Plan dated October 28, 2020 by Applied; Data Report and Proposed Additional Monitoring reports for semi-annual monitoring between April 2020 to May 2022; a Quality Assurance Project Plan dated April 1, 2021, by Applied; First Half Progress Reports, dated July 15, 2021 and July 14, 2022; and a November 2021 Subsurface Investigation, dated January 27, 2022.

The November 2021 Subsurface Investigation report was conducted to further characterize PFAS on and off site. Three additional monitoring wells were installed since the April 2021 investigation. Groundwater samples were collected and analyzed form VOCs, metals, and PFAS. Based on the results, levels of arsenic and PFOS were identified in groundwater samples exceeding the Part 201 Generic RCC. Applied and RACER indicated requesting approval from, USEPA to implement a change in the number of monitoring wells sampled during the semi-annual groundwater sampling event. Additionally, PFOS is present in groundwater samples along the subject property and the former railroad parcel exceeding the current EGLE Part 201 Generic RCC from September 2018 up to September 2021.

In AKT Peerless' opinion, the southern adjoining property represents a REC to the subject property, based on: (1) the contamination located on the southern adjoining property has migrated onto the adjacent former railroad property and is approximately 40 feet from the subject property and (2) inferred groundwater flow is west, towards the subject property.

417 and 505 Asylum Street (adjoining to the south of Parcel C)

A BEA was completed on behalf of Kettering University in January 2018, by Compliance. The BEA was completed subsequent to a Phase I ESA and Phase II ESA (subsurface investigation) in November 2017. At the time of the November 2017 Phase I ESA, this adjoining property was developed with a single-story commercial building and its southern adjoining property, 505 Asylum, was developed with a commercial building. Compliance identified several RECs that included historical use as a former dry cleaner from 1941 to at least 1950, two former adjacent former dry cleaners on 505 Asylum from 1949 to at least 1958 and its western adjoining property in the 1920s. Additionally, Compliance noted the property was likely utilized for agricultural purposes prior to 1903.

A total of five soil borings were advanced on the two parcels with the collection of five soil and four groundwater samples. The samples were submitted for laboratory analysis of VOCs. According to laboratory analytical results, levels of tetrachloroethene were identified within soil and groundwater samples exceeding the current EGLE Part 201 generic RCC. Additionally, the southern adjoining property had levels of tetrachloroethene and trichloroethene were identified in select soil and or groundwater samples exceeding the current EGLE Part 201 Generic RCC. Based on laboratory analytical results, the adjoining property to the south meets the definition of a *facility,* as defined in Part 201 of the NREPA, Michigan PA 451, 1994, as amended. As a result of exceedance of the EGLE Part 201 Generic RCC, a BEA was completed. Several VOCs were identified within laboratory analysis; however, were below the current Part 201 Generic RCC.

It is AKT Peerless' opinion, that this adjoining property does not represent a REC to the subject property based on: (1) known contamination is located approximately 227 feet away from the subject property and the site is separated by a two-lane road and (2) it is unlikely that migration has occurred and is comingling with on-site contamination.

Southeast Corner of Glenwood Avenue and South Chevrolet Avenue / 1625 Glenwood Avenue (adjoining to the south of Parcel C)

A BEA was completed on behalf of City of Flint in April 2009, by ASTI Environmental (ASTI). The BEA was completed subsequent to a Phase I ESA and Phase II ESA (subsurface investigation) in February 2009. At the time of the February 2009 Phase I ESA, the adjoining property was developed with a vacant asphalt parking area. The adjoining property was residential from early 1990s through the early 1960s, a service station was constructed on the eastern portion between 1958 and 1963, and by 1970, the site was redeveloped for additional parking. ASTI identified several RECs that included historical use as a service station in the 1960s, approximately 16 large soil piles of unknown origin were located on the southern portion, and the western adjoining property has an open LUST and BEA site.

A Phase II ESA was subsequently completed to assess the RECs. Ground Penetrating Radar (GPR) was conducted to identify any potential orphaned UST and did not identify any anomalies consistent with a UST. A total of seven soil borings were advanced and two soils samples were collected from soil piles. Groundwater was not encountered during the Phase II ESA investigation. The nine samples were submitted for laboratory analysis of VOCs, PNAs, PCBs, and select metals. According to laboratory analytical results, levels of ethylbenzene, 1,2,4-trimethylbenzene, benzo(a)pyrene, fluoranthene, phenanthrene, arsenic, and selenium were identified within select soil samples exceeding the current EGLE Part 201 Generic RCC. Based on laboratory analytical results, the adjoining property to the south meets the definition of a *facility,* as defined in Part 201 of the NREPA, Michigan PA 451, 1994, as amended. As a result of exceedance of the EGLE Part 201 Generic RCC, a BEA was completed. Several additional metals, VOCs, and PNAs were identified within laboratory analysis; however, were below the current Generic RCC.

In AKT Peerless' opinion, the southern adjoining property does not represent a REC to the subject property based on: (1) the known contamination is approximately 189 feet away from the subject property across a three-lane throughfare, (2) it is unlikely that migration of contamination has occurred and contributed to on-site contamination of the subject property, and (3) inferred groundwater flow is west, cross gradient to the subject property.

1701 Glenwood Avenue (adjoining to the south of Parcel C)

EGLE file information indicates a BEA was submitted for this property on April 18, 2002. The BEA identified this property as a former gasoline filling station, automobile repair facility, and dry-cleaning facility. AKT Peerless confirmed these historical operations in Sanborn Fire Insurance Maps reviewed in Section 4.5.2. Nine soil borings were advanced on the property and 12 soil samples were collected. In addition, one trench drain sample was collected. Soil analytical results indicated the presence of trimethylbenzenes, cadmium, and silver above Residential Drinking Water Protection (DWP) criteria, arsenic above EGLE Generic Residential DC criteria, and mercury above GSIP criteria. Based on the analytical results, the property was identified as a facility. In addition, the report also noted that there is a potential for additional USTs to be located on the property, based on the historical gasoline filling operations. Three USTs are identified on the property in the 1950 Sanborn Map.

A BEA was completed on behalf of Kettering University in April 2020, by Compliance. The BEA was completed subsequent to a Phase I ESA and Phase II ESA (subsurface investigation) in March 2020. At the time of the March 2020 Phase I ESA, the adjoining property was developed with a two-story industrial building and was utilized for vehicles, campers, boats, and auto parts. Compliance identified several RECs that included the site has an open LUST and reported in the 2002 BEA report, historical use of the western adjacent property as an auto repair shop from as early as 1928 through at least 1941 and as a gas station from 1950 through at least 1965, and the historical use of the western adjoining property as a filling station and drycleaners.

A total of seven soil borings were advanced with the collection of eight soil and three groundwater samples. The samples were submitted for laboratory analysis of VOCs, PNAs, and select metals. According to laboratory analytical results, levels of n-butylbenzene, s-butylbenzene, naphthalene, n-propylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, mercury, arsenic, cadmium, silver, and chromium were identified within select soil and or groundwater samples exceeding the current EGLE Part 201 Generic RCC. Based on laboratory analytical results, the adjoining property to the south meets the definition of a *facility,* as defined in Part 201 of the NREPA, Michigan PA 451, 1994, as amended. As a result of exceedance of the EGLE Part 201 Generic RCC, a BEA was completed. Several additional metals and VOCs were identified within laboratory analysis; however, were below the current Generic RCC.

It is AKT Peerless' opinion, that this adjoining property does not represent a REC to the subject property based on: (1) the site is down gradient from inferred groundwater flow, (2) the site is separated by a three-lane road, and (3) it is unlikely that migration has occurred and is comingling with on-site contamination.

1730 Glenwood Avenue (adjoining to the south of Parcel A)

A BEA was completed on behalf of Kettering University in August 2016, by Compliance. BEA was completed subsequent to a Phase I ESA and Phase II ESA (subsurface investigation) in June 2016. At the time of the June 2016 Phase I ESA, the adjoining property was developed with a commercial building and a cell tower. Compliance identified several RECs that included historical use as a machine shop, former dry cleaners from 1932 to at least 1942, and the southern adjoining property historically operated as a filling station and cleaners. A Phase II ESA was subsequently completed to assess the RECs. A total of six soil borings were advanced with the collection of six soil samples. Groundwater was not encountered during the Phase II ESA investigation. The samples were submitted for laboratory analysis of VOCs, PNAs, and select metals. According to laboratory analytical results, levels of arsenic, mercury, and selenium were identified within select soil and/or groundwater samples exceeding the current EGLE Part 201

Generic RCC. Based on laboratory analytical results, the adjoining property to the south meets the definition of a *facility,* as defined in Part 201 of the NREPA, Michigan PA 451, 1994, as amended. As a result of exceedance of the EGLE Part 201 Generic RCC, a BEA was completed.

In AKT Peerless' opinion, the southern adjoining property does not represent a REC to the subject property based on: (1) it is unlikely that migration of contamination has occurred and contributed to on-site contamination and (2) known contamination is approximately 100 feet away from the subject property and is separated by a former Grand Trunk railroad line.

Former Grand Trunk Western Railroad (adjoining to the south of Parcels B and D, north of Parcels C and E, and east of Parcels J and K)

A BEA was completed on behalf of Kettering University in October 2016, by Compliance that included a larger portion of land for the former rail line known as the Grand Trunk Western Railroad. The BEA was completed subsequent to a Phase I ESA and Phase II ESA (subsurface investigation) in August 2016. At the time of the August 2016 Phase I ESA, the adjoining properties were vacant lots overgrown with vegetation. The former railroad tracks and ties were removed from the property in 1999. Compliance identified several RECs that included former railroad use, adjoining property historically utilized as General Motors manufacturing, adjoining properties was historically used as a tannery and flint foundry, three nearby dry cleaners, six open LUST upgradient to the site, historical filling station and auto repair shops, coal and oil storage, other commercial and manufacturing operations on adjacent/nearby parcels, and four sites with environmental releases.

A total of 15 soil borings were advanced on the former railroad parcels with the collection of 30 soil and 10 groundwater samples. Additionally, six surface samples were collected as a supplemental Phase II ESA. The samples were submitted for laboratory analysis of VOCs, SVOCs, PCBs, and select metals. For the two southern/central adjoining properties, a total of seven soil, three groundwater, and one surface samples were collected. According to laboratory analytical results, levels of arsenic, copper, lead, selenium, and trichloroethene were identified within soil and groundwater samples exceeding the current EGLE Part 201 Generic RCC. Based on laboratory analytical results, the southern/central adjoining properties meets the definition of a *facility,* as defined in Part 201 of the NREPA, Michigan PA 451, 1994, as amended.

Two soil samples were collected north of Parcel H of the subject property, as well as six soil and two groundwater samples on the eastern adjoining property. According to results, levels of arsenic, mercury, lead, selenium, benzene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, and fluoranthene were identified in select soil and/or groundwater samples exceeding the current EGLE Part 201 Generic RCC. Based on laboratory analytical results, the eastern adjoining property meets the definition of a *facility,* as defined in Part 201 of the NREPA, Michigan PA 451, 1994, as amended.

A BEA was completed on behalf of Genesee County Parks & Recreation Commission in July 2017, by AKT Peerless. The BEA was completed subsequent to a Phase I ESA in July 2017 and utilized the previous Phase II ESA (subsurface investigation) completed, by Compliance in 2016. At the time of the July 2017 Phase I ESA, the adjoining properties were structurally vacant land. AKT Peerless identified several RECs that included the 2016 subsurface soil and groundwater contamination, operated as a railroad right of way, and the adjoining properties to the north, northwest, and southern operated for industrial purposes, primarily automotive manufacturing from late 1800s to early 2000s.

In AKT Peerless' opinion, these adjoining properties do not represent a REC to the subject property due to: (1) based upon the nature of the contaminants, it is unlikely that contamination has migrated onto this property from the subject property and (2) it is unlikely that migration has occurred and is comingling with on-site contamination. However, as discussed above regarding the southern adjoining property on the northwest corner of Stevenson Street and Kearsley Street, a portion of the former rail line represents a REC to the subject property based on the migration of contaminants, which included CVOCs and PFAS, and is located approximately 40 feet away from the subject property.

4.3.3 EGLE Materials Management Division (MMD)

AKT Peerless submitted a request to the EGLE MMD to review available file information regarding waste management activities, permits, inspections and violations associated with the subject property.

AKT Peerless also reviewed the EGLE Waste Data System (WDS) for information regarding waste disposal operations at the subject property and select adjoining properties. The WDS tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and LIW programs.

Subject Property

The following information was provided by the EGLE WDS for the subject property.

City of Flint and Chevy in the Hole Compost Site, 300 North Chevrolet Avenue

As of 2013, the subject property was listed as a LQG of hazardous waste and a LIW Generator. Between 1985 and 2006, a total of 13 violations were reported. As of 2010, the EGLE RRD took over as the owner/operator of hazardous waste operations at the site from Delphi. In 2013, the City of Flint became the owner/operator of hazardous waste at the site. From 2012 to 2015, the City of Flint also stored approximately 40,000 yards of compost on the subject property. As of September 2021, Kettering University took over as the owner from the City of Flint. No records of violations or enforcement actions associated with this site were contained in the database since the EGLE RRD, City of Flint, and Kettering University took over hazardous waste operations at the site, except for the following:

- An emergency cleanup conducted on September 11, 2013, by the USEPA at the request of the City of Flint. No further information was available regarding this emergency cleanup.
- A solid waste violation was issued on June 3, 2012, regarding the management and storage of compost at the subject property. The status of the violation is still pending.

EGLE MMD file information included correspondence, a link to the WDS website, Composting Facility Annual Reporting Form from 2013 to 2016, Composting Facility Registration Forms from 2009 through 2014, Chevy in the Hole Composting Facility Work Plan, site maps, a violation notice in March 2015 for NPDES Permit, and a Municipal Separate Storm Sewer System (MS4) Audit Report from 2015.

Adjoining Properties

The following information pertaining to the northern and southern adjoining properties was provided by the EGLE WDS:

Kettering University, 1700 University Avenue (northern adjoining property)

By 1970, the northern adjoining property was listed as a LIW Generator and from 1990 to 2015, the site was listed as a SQG. By November 2016, the site was listed as a CESQG. No violations or enforcement actions associated with this site were contained in the database. It should be noted that 1970 is a default date used by the EGLE when a start date is not provided.

As discussed in Section 4.3.2, the northern adjoining property does not represent a REC to the subject property.

Feat Foundation, 121 North Grand Traverse Street (eastern adjoining property)

By 1970, the eastern adjoining property was listed as a LIW Generator. No violations or enforcement actions associated with this site were contained in the database. It should be noted that 1970 is a default date used by the EGLE when a start date is not provided.

As discussed in Section 4.3.2, the eastern adjoining property does not represent a REC to the subject property.

Action Auto Store, 510 West Kearsley Street (eastern adjoining property)

By 1970, the adjoining property to the east was listed as a LIW Generator. By 2001, the site was listed as out of business and no longer generating waste. No violations or enforcement actions associated with this site were contained in the database. It should be noted that 1970 is a default date used by the EGLE when an actual start date is not available.

As discussed in Section 4.3.2, the eastern adjoining property does not represent a REC to the subject property.

Flint West Former Building 9, Northwest Corner of Stevenston Street and Glenwood Avenue (southern adjoining property)

By 2011, the adjoining property to the south was listed as a LIW generator and as a CESQG. No violations or enforcement actions associated with this site were contained in the database.

As discussed in Section 4.3.2, the southern adjoining property represents a REC to the subject property.

General Motors LLC- Flint Tool and Die, 425 South Stevenson Street (southern adjoining property)

By 2014, the western adjoining property was listed as a LIW Generator and a SQG. No violations or enforcement actions associated with this site were contained in the database.

Cadillac Flint Tool and Die, 425 South Stevenson Street (southern adjoining property)

By 1989, the western adjoining property was listed as a SQG and by December 2001, the site was listed as out of business and no longer generating waste. No violations or enforcement actions associated with this site were contained in the database.

EGLE MMD provided records for the southern adjoining property. Records consists of a Site Identification Forms as a SQG in March 2020 and April 2022.

In AKT Peerless' opinion, the western adjoining property does not present an environmental concern to the subject property based on: (1) this site is not listed on any databases indicative of a release or contamination and (2) no records of any hazardous waste violations were identified in the database report or WDS database.

Kettering University - Glenwood, 1701 Glenwood Avenue (southern adjoining property)

By 1970, the southern adjoining property was listed as a LIW Generator and by 2021, the site was listed as a CESQG. No violations or enforcement actions associated with this site were contained in the database. It should be noted that 1970 is a default date used by the EGLE when a start date is not provided.

As discussed in Section 4.3.2, this southern adjoining property does not represent a REC to the subject property.

4.3.4 EGLE Drinking Water and Environmental Health Division (DWEHD)

AKT Peerless submitted a request to the EGLE DWEHD to review available file information related to non-community water supplies, environmental health, compliance and enforcement, drinking water contamination investigations, and on-site wastewater associated with the subject property. According to the EGLE DWEHD, no file information exists pertaining to the subject property.

4.3.5 EGLE Oil, Gas, and Minerals Division (OGMD)

AKT Peerless reviewed EGLE's GeoWebFace online geologic mapping program for oil and gas well records associated with the subject property; however, no records were identified.

4.3.6 EGLE Water Resources Division (WRD)

AKT Peerless contacted the EGLE WRD to review available records regarding environmental information associated with the subject property. A response from the EGLE WRD indicated that no records for the subject property exist.

4.4 Additional Environmental Record Sources

4.4.1 Local Health Department

AKT Peerless contacted the Genesee County Health Department for any records pertaining to the subject property. According to a response received, records maintained by the Genesee County health Department included well records. Records indicated Well No. 3 was drilled at Chevrolet Motor Company to a depth of 203 feet in July 1936. This well was abandoned in October 1990. Records indicated a total of three wells, Well No. 1, No. 6A, and No. 7A, formerly located on the subject property and abandoned in March and July 1992. A monitoring well was abandoned in April 1993.

The Genesee County Health Department did not have any records pertaining to any septic systems or environmental contamination at the subject property.

4.4.2 Local Fire Department

AKT Peerless contacted the Flint Fire Department for any records pertaining to the subject property. According to a response received, the Flint Fire Department has no records or knowledge regarding storage tanks, releases, or incident reports for the subject property, except 300 North Chevrolet Avenue

had 44 tanks located on site, ranging from 500-gallons to 50,000-gallons with various contents, including gasoline, acids, anodizer solution, bright dip rinse, motor oil, hydraulic oil, fuel oil, soluble oil, used oil, water, mineral oil, and diesel fuel. Records did not entirely specify which of the 44 tanks were underground or aboveground.

4.4.3 Building Department Records

AKT Peerless contacted the Flint Building Department for any records pertaining to the subject property. According to a response received, various permits for construction and demolition were maintained.

4.4.4 Assessing Department Records

AKT Peerless reviewed tax assessment records for the subject property from the City of Flint Assessment Department. Records provided legal descriptions, parcel identified numbers, and current/former building information. Records also indicated that Parcel A through E were used for manufacturing purposes over time with several references to chemical storage, USTs, and ASTs and Parcels J and K were formerly utilized by Grand Trunk Western Railroad. No information that would indicate an environmental concern was identified in the records for Parcels F through I.

4.4.5 Previous Environmental Reports

AKT Peerless was not provided with copies of reports that document previous investigations or assessments of the subject property, nor did AKT Peerless identify the existence of such documents during this assessment, except as summarized in Section 4.3.2. Several environmental investigations have been completed on Parcels A through E of the subject property over time. These investigations have included Phase I ESAs, Phase II ESAs, BEAs, Groundwater Sampling Events, remediation activities, and LUST investigations. As summarized in Section 4.3.2, Parcel A, Parcel B, Parcel C, Parcel D, Parcel E, Parcel J, and Parcel K of the subject property each meet the definition of a *facility* as defined in Part 201 of the NREPA, Michigan PA 451, 1994, as amended.

4.5 Historical Research

The objective of reviewing historical resources is to: (1) develop a history of previous uses or specific occupancies of the subject property, (2) identify those uses or specific occupancies that are likely to have led to potential environmental concerns at the subject property, and to the extent identifiable, at adjoining properties, and (3) identify obvious uses of the subject property from the present, back to the first *obvious* developed use, or back to 1940, whichever is earlier.

Historical Summary – Subject Property

The following table summarizes the general development and use of the subject property, as identified by AKT Peerless based on the referenced data resources.

<u>Parcel A</u>

Parcel A was developed as early as 1886 with the Begole Fox Lumber Company. During that time, a sawmill operated on the northern portion of the property at the end of Garden Street. North of the sawmill building within the Flint River was a small holding area for timber. Lumber was stored to the east of the sawmill. In addition, John Zimmerman Brick and Tile Works was present to the southeast of the sawmill. Prior to 1892, the sawmill was converted into F.R. Lewis Straw Board Factory, which operated a paper mill out of the old sawmill building. An addition was constructed to the east of the factory to

accommodate a machine shop and a bleaching area. A small limehouse was also constructed to the south of the main building. One railroad spur was present extending from the southeast corner of the factory to the east. Several warehouses were also constructed to the south of the paper mill. In 1902, the F.R. Lewis Straw Board Factory expanded to include seven bleaching tubs and a carpenter shop. Three in-ground crude oil tanks were also located approximately 150-feet southeast of the factory.

Prior to 1909, the company was bought out by the Flint Paper Mill, which operated until approximately 1914 when it was vacated. The structures were razed in 1926 and Plant #5 of the General Motors-Flint West manufacturing operations was constructed. Plant #28 and Plant #30 were constructed in 1930 and Plant #42 (the wastewater treatment plant) was constructed in 1968. Single-family residences that had been located on the western portion of the parcel since at least the early 1900s were razed in the 1950s for a paved parking lot. General Motors utilized Parcel A for manufacturing of valves, camshafts, cylinder cases, castings, and some heat treatment from 1926 through 1995 when Plant #5 was razed. Plant #30 was reportedly utilized as an oil water separator building and storage of 55-gallon drums of waste oil. Plant #30 and Plant #42 were razed in the early 2000s.

Parcel B

The central portion of Parcel B was industrially developed since at least 1886. In 1886, Begole Fox Lumber Company operated a lumber yard along the southern bank of the Flint River on the central and western portions of the parcel. The lumber yard adjoined the Flint Wagon Works structures located on the central portion of the parcel, north of West Kearsley Street. Flint Wagon Works manufactured wagon wheels, gears, and other materials from at least 1886 through 1909. During that time, several paint shops, blacksmith shops, machine shops, three in-ground crude oil tanks, an oil house, open coal bins, lumber storage, and warehouses were located on the property. A Sanborn Fire Insurance Map noted the property obtained heat from crude oil and wood shavings in 1892 and in 1902 it notes that all waste oils were burned in a furnace.

Automobile manufacturing operations began on this parcel in 1909 with the Buick Motor Company – Factory #2, which was a gasoline engine works manufacturing company, located south of West Kearsley Road and north of the railroad tracks. Structures associated with the Buick Motor Company included: a machine shop, oil house, scrap iron house, and testing/tempering rooms. In 1914, the Buick Motor Company had changed hands to the Mason Motor Company. In addition, the Flint Wagon Works structures were occupied by the Chevrolet Motor Company – Factory #2. Operations included painting, machining, storage, machine presses, coal storage, dry kilns, automobile repair, and general warehousing.

In the 1920s, Plants #4, #6, #7, and #8 were constructed across the majority of Parcel B, also during this time, West Kearsley Street was abandoned at Asylum Street to the west. Several USTs are associated with Parcel B and are described in further detail in Section 4.3.2. Plants #15, #24, #26, #39, #40, #41, and #46 were all constructed in the 1950s and 1960s. Operations on the subject property began ceasing in the mid to late 1990s with the last structures demolished in 2004.

Parcel C

Parcel C was developed with single-family residential structures from at least 1886 until they were razed in the 1960s for a paved parking lot. Several commercial restaurants and stores were also located along North Chevrolet Avenue and Asylum Street during that time and were also razed in the 1960s. In 1914 through 1950, a printing shop was identified on the western portion of the parcel. In addition, in 1950, a

restaurant with an incinerator was identified on the northwest corner of the property adjoining the railroad tracks. AKT Peerless' city directory review also identified the presence of the Glenwood Cleaners at 1626 Glenwood Avenue in 1950.

Parcel D

The earliest known development on Parcel D was identified in a 1909 Sanborn Fire Insurance Map that identified a vacant tannery on the eastern portion of the property. Several wooden water tanks and a steam laundry were also identified in the 1914 Sanborn Map. These structures were razed in 1929 with the construction of Plant #10. Several additions were constructed on Plant #10 in the 1960s and 1970s. Operations within this building area believed to have included heat treatment as a 15,000-gallon quench oil tank was closed in place beneath the building. The building was demolished in 2004. Several railroad spurs are also present to the south of the building.

Parcel E

Parcel E was originally developed as early as 1898 with several single-family residences on the western half of the property. The U.S. Brass and Iron Foundry was identified on the eastern portion of the property in 1914 and utilized a sand and coke storage area to the north of the building with several brass crucibles within the building. In 1928, the foundry was identified as Flint Foundry Company and contained a large coke pile to the southeast of the building, extending onto West Kearsley Street.

The foundry building was converted into Plant #25, prior to 1950 and was used as a woodworking shop by General Motors. Plants #12, #14, and #19 were also constructed, prior to 1950 to the north and northwest of Plant #25. The single-family residences on the western portion of the parcel were razed in the 1960s for a paved parking lot.

Parcels A through E of the subject property have been vacant since 2004 when the last buildings were demolished on-site. The subject property has been undergoing redevelopment as Chevy Commons, a large, multi-acre urban park since the mid-2010s.

Parcels F, G, H, and I

Parcels F, G, H, and I have been associated with the Flint River and Swartz Creek tributary, along with their associated riverbanks on each side of these waterways. In the late 1960s, the United States Army Corps of Engineers channelized a portion of the Flint River and a small section of Swartz Creek as part of a flood control project. Because of this, the respective paths of the Flint River and Swartz Creek were slightly altered on Parcels F, G, and H in the late 1960s.

Parcels J and K

Parcels J and K have been developed with Grand Trunk Western Railroad right of way (ROW). Parcel J had railroad tracks developed since the early 1900s and Parcel K since at least 1886. The railroad spurs were removed from parcels in the early 2000s.

Historical Summary – Adjoining Properties

Adjoining properties have been used for various residential, commercial, and light industrial operations since the late 1800s. As summarized in appropriate sections of this report, none of the adjoining properties represent a REC to the subject property, except for the southern adjoining property,

northwest corner of Stephenson Street and West Kearsley Street, and southern/central adjoining property, former rail line, represents a REC to the subject property.

4.5.1 Aerial Photographs

AKT Peerless obtained aerial photographs for the subject property from Environmental Data Resources (EDR). AKT Peerless' observations noted during the review of these photographs are summarized in the following table. Photocopies of reviewed aerial photographs with associated resource references are presented as **Appendix D**.

Subject Property Aerial Photography Summary

Photograph Dates	Observations (Subject Property)	Potential Environmental Concerns
1937	**Parcel A** of the subject property is developed with Plant #5 and what appears to be Plant #28 and Plant #30. The area to the south and southwest of the plant appears to be an asphalt parking lot. The western portion of the property appears to consist of single-family residential development. **Parcel B** of the subject property is developed with Plants #4, #6, #7, #8, #15, #24, and #39. Several railroad spurs are also present along the buildings. The area east of Plant #7 appears to be utilized for the storage of various materials, although due to the poor scale of the aerial photograph, AKT Peerless is unable to determine what the materials were. **Parcel C** of the subject property is developed with several commercial structures along North Chevrolet Avenue and Asylum Street, while the remainder of the property appears to be developed with single-family residential development. **Parcel D** of the subject property is developed with Plant #10, a paved parking area to the west, and railroad spurs to the south. **Parcel E** of the subject property contains the former Flint Foundry building, now Plant #25. To the northwest of the Plant #25, a large arc-shaped mound is visible. AKT Peerless was unable to determine the specific material present in the suspected mound. However, based on the use of the parcel as a foundry and surrounding industrial operations, the mound is suspected to be coal, coke, or slag. A small unidentified structure is present on the south-central portion of the property. The remainder of the property is vacant land. Railroad tracks bisect the subject property from east to west and borders Parcels A, B, and D to the south, as well as Parcels C and E to the north. **Parcels F, G, H, and I** are undeveloped and appear as waterways and riverbanks of the Flint River and Swartz Creek. **Parcels J and K** appear developed with railroad spurs.	Automobile manufacturing, Industrial operations, Railroad spurs, Arc mound (Parcel E)

Photograph Dates	Observations (Subject Property)	Potential Environmental Concerns
1941	The subject property remains the same as in the 1937 aerial photograph, with the following exceptions: • Parcel A, three aboveground storage tanks (ASTs) located near the southeastern corner of Plant #5. These ASTs are consistent with Sanborn Fire Insurance Maps described in Section 4.5.2. • Parcel D, a small addition has been constructed to the west of Plant #10. • Parcel E, the arc structure has been demolished and now contains several railroad spurs.	Automobile manufacturing, Industrial operations, Railroad spurs, 3 ASTs (Parcel A)
1950	The subject property remains the same as in the 1941 aerial photograph, with the following exceptions: • Parcel A, an additional AST is located next to the three identified (1941). • Parcel B, Plant #26 has been constructed on the northeastern corner of Plant #4. • Parcel D, an addition has been constructed on the northern portion of Plant #10. • Parcel E, Plant #14 has been constructed on the property and a large paved parking area is present on the western portion of the property.	Automobile manufacturing, Industrial operations, Railroad spurs, 4 ASTs (Parcel A)
1964	The subject property remains the same as in the 1950 aerial photograph with the following exceptions: • Parcel A, a large paved parking lot is present on the western portion of Parcel A. • Parcel B, Plants #40 and #41 are now located east of Plant #7. • Parcel C, commercial structures remain along North Chevrolet Avenue and Asylum Street; however, the remainder of the property now contains a large paved parking lot. • Parcel D, an addition has been constructed to the northern portion of Plant #10. • Parcel E, the structure on the south-central portion of the property has been razed and Plant #12 has been constructed. • It also appears that the Flint River is being dredged north of Parcel B for the completion of the Army Corps of Engineers concrete channel.	Automobile manufacturing, Industrial operations, Railroad spurs, 4 ASTs (Parcel A)
1972	The subject property remains the same as in the 1964 aerial with the following exceptions: • Parcel A, Plant #42 and the associated wastewater holding ASTs have been constructed to the southwest of Plant #5. • Parcel C, commercial structures have been razed and the property contains a paved parking lot. • In addition, the concrete channel along the Flint River adjoining the subject property has been completed. • Parcels F, G, H, and I have been channelized as a part of a flood control project. The paths of the Flint River and Swartz Creek have been slightly altered. Parcels F and G have been lined with concrete.	Automobile manufacturing, Industrial operations, Railroad spurs, 4 ASTs (Parcel A)

Photograph Dates	Observations (Subject Property)	Potential Environmental Concerns
1982	The subject property remains the same as in the 1972 aerial photograph, with the following exceptions: • Parcel A, an additional holding tank has been constructed west of Plant #42. • Parcel B, an addition has been constructed to the east of Plant #7 and Plant #46 has been constructed north of Plant #6. • Parcel E, Plant #19 has been constructed. • Parcels H has been lined with concrete.	Automobile manufacturing, Industrial operations, Railroad spurs, 4 ASTs (Parcel A)
1992	The subject property remains the same as in the 1982 aerial photograph, with the following exceptions: • Parcel A, discolored vegetation and/or debris is present along the western portion of the property and the ASTs have been removed from southeast of Plant #5. • Parcel B, rust colored vegetation and/or debris is present in the northeastern corner of the parcel. Plant #39 appears to have been demolished. • Parcel D, rust colored debris and/or vegetation is present to the west of Plant #10. • Parcel E, all structures have been razed, only the western parking lot remains.	Automobile manufacturing, Industrial operations, Railroad spurs, Rust colored debris/vegetation
1997	The subject property remains the same as in the 1992 aerial photograph with the following exceptions: • Parcel A, Plant #5 has been razed; however, Plants #30 and #42 remain. • Parcel B, Plants #6 and #46 have been razed.	Automobile manufacturing, Former Industrial operations, Railroad spurs
2005	All structures associated with the former General Motors manufacturing site have been razed. Concrete slabs remain on Parcels B, C, D, and the majority of Parcel E. Parcel A has been graded and seeded, so that the majority of the site is vegetation, except for a strip along the Flint River. The railroad spurs appear to be razed from Parcels J and K.	Former industrial operations and railroad spurs

AKT Peerless' review of historical aerial photographs of the adjoining properties is summarized in the following table.

Adjoining Property Aerial Photography Summary

Photograph Dates	Potential Environmental Concerns (Adjoining Properties)
1937-2005	No obvious evidence or indications of RECs or other potential environmental concerns were noted with respect to the adjoining properties during AKT Peerless' review of the referenced aerial photographs, aside from the fact that the adjoining properties appear to have been developed with industrial/manufacturing buildings from 1937 through 1997. • Adjoining industrial/manufacturing operations have primarily been located north and south of the subject property since 1937. As discussed in Section 4.3.2, the southern adjoining property, northwest corner of Stephenson Street and West Kearsley Street, represents a REC to the subject property.

4.5.2 Fire Insurance Maps

AKT Peerless obtained fire insurance maps for the subject property from EDR. AKT Peerless' observations noted during the review of these maps are summarized in the following table. Photocopies of the referenced maps are presented in **Appendix E.**

Subject Property Fire Insurance Maps Observations

Map Dates	Observations (Subject Property)	Potential Environmental Concerns
1886	Parcel A The Begole-Fox Lumber Company is located at the end of Garden Street to the Flint River and east to Wilcox Road (now Chevrolet Avenue). A sawmill is present at the end of Garden Street. John Zimmerman Brick and Tile Works is located to the southeast of the sawmill.	Parcel A Sawmill, lumber storage, brick and tile works
	Parcel B The Begole-Fox Lumber Yard is located along the southern bank of the Flint River to the west of the Flint Wagon Works buildings. The Flint Wagon Works buildings are located on what is now the central and eastern portions of the parcel (northwest of the intersection of Asylum and West Kearsley Streets). Operations on-site include sawing, planing, painting, a paint shop, blacksmith shop, and several storage warehouses along the southern bank of the Flint River. Two in-ground crude oil tanks are identified near the boiler room. Heat is provided by crude oil and wood shavings. Several railroad spurs are present near the buildings. West Kearsley Street runs through the subject property to Wilcox Street (now Chevrolet Avenue).	Parcel B Industrial operations, crude oil tanks, lumber storage, railroad spurs
	Parcel C Only the corner of Asylum, Glenwood, and West Kearsley Streets are depicted on this map. The area contains several single-family residential structures.	Parcel C None identified
	Parcels D, E, F, G, H, I, and J Parcels D, E, F, G, H, I, and J are not depicted on this map.	Parcels D, E, F, G, H, I, J None identified

Map Dates	Observations (Subject Property)	Potential Environmental Concerns
	Parcel K Only a western portion of Parcel J is depicted with a railroad spur labeled as Chicago & Grand Trunk Railway.	Parcel K Railroad spur
1892	Parcel A The F.R. Lewis Straw Board Factory is located along the southern bank of the Flint River. Operations on-site include: a paper mill, machine room, bleaching room, carpenter shop, and limehouse with associated railroad spur. Several straw and other storage warehouses are located at the dead end of West Kearsley Street into Wilcox Street. In addition, three crude oil in-ground tanks are located southwest of West Kearsley Street. Heat is provided by coal and lighting is provided by oil lights.	Parcel A Industrial operations, crude oil tanks, railroad spur, coal storage, oil lights
	Parcel B The western portion of this parcel is labeled "vacant" with a railroad track extending east. The central and eastern portions of the parcel remain the same as in 1886 with the Flint Wagon Works buildings. Several warehouse structures have been constructed along the northeastern portion of the parcel towards Stevenson Street.	Parcel B Industrial operations, crude oil tanks, lumber storage, railroad spurs
	Parcel C The area depicted remains the same as in the 1886 Sanborn Map.	Parcel C None identified
	Parcels D, E, F, G, H, I, and J Parcels D, E, F, G, H, I, and J are not depicted on this map.	Parcels D, E, F, G, H, I, J None identified
	Parcel K The area depicted remains the same as in the 1886 Sanborn Map.	Parcel K Railroad spur
1898	Parcel A The area remains the same as in 1892 Sanborn map.	Parcel A Industrial operations, crude oil tanks, railroad spur, coal storage
	Parcel B Remains the same as in 1892 Sanborn map with the exception of several building additions including an additional blacksmith shop, gear painting, additional lumber storage areas, and an oil house.	Parcel B Industrial operations, crude oil tanks, lumber storage, railroad spurs, oil house
	Parcel C Parcel C remains the same as in the previous Sanborn Maps.	Parcel C None identified
	Parcel D Parcels D is not depicted in this Sanborn Map.	Parcel D None identified
	Parcel E The south-central portion of this parcel is depicted at the intersection of Armstrong and West Kearsley Streets, which contains several single-family residences.	Parcel E None identified

Map Dates	Observations (Subject Property)	Potential Environmental Concerns
	Parcels F, G, H, I and J Parcels F, G, H, I, and J are not depicted on this map.	Parcels F, G, H, I, J None identified
	Parcel K The area depicted remains the same as in the 1892 Sanborn Map.	Parcel K Railroad spur
1902	Parcel A Remains the same as in previous maps with the addition of six bleaching tubs in the main paper mill building and an egg case filler manufacturing building to the east of the machine room.	Parcel A Industrial operations, crude oil tanks, railroad spur, coal storage, bleaching tubs
	Parcel B Parcel B remains the same as in previous maps with several additions. Several lumber yard piles are now located between West Kearsley Street and Grand Trunk Western Railroad to the south, several warehouse and storage sheds have been constructed on the northeastern portion, the main building has been expanded to include: several manufacturing and painting areas, a dry kiln building, and an open coal bin to the north of the boiler room. Notes indicated that all oil waste is burned on-site in the furnace. Several single-family residences are depicted along Robinson Street on the northeastern portion of the parcel.	Parcel B Industrial operations, crude oil tanks, lumber storage, open coal bins, railroad spurs, oil house
	Parcel C Parcel C is developed with single-family residential development along the north side of Glenwood Avenue, from Asylum Street to Thayer Street.	Parcel C None identified
	Parcel D Parcel D is not depicted on this Sanborn Map.	Parcel D None identified
	Parcel E Parcel E remains the same as in the 1898 Sanborn Map. In addition, the area east of Armstrong Street, along West Kearsley Street to the Thread Creek is depicted as vacant land.	Parcel E None identified
	Parcels F, G, H, I and J Parcels F, G, H, I, and J are not depicted on this map.	Parcels F, G, H, I, J None identified
	Parcel K The area depicted remains the same as in the 1892 Sanborn Map and labeled as Grand Trunk Western Railroad.	Parcel K Railroad spur

Map Dates	Observations (Subject Property)	Potential Environmental Concerns
1909	Parcel A The parcel remains developed with the same structures as before; however, the occupant is now identified as: The Flint Paper Mill and is noted as being closed. The majority of the structures to the south (i.e., warehouses) have been demolished. The crude oil tanks remain, although are listed as "not in use."	Parcel A Former Paper Mill operations, crude oil tanks, railroad spur
	Parcel B The Buick Motor Company Factory #2 is now present where the lumber piles between West Kearsley Street and where the railroad was located. The building is identified as the "gasoline engine works" and contains two machine shops, a tempering room, a testing room, a scrap iron warehouse, and an oil house. The Flint Wagon Works remains on the central and northeastern portions of the parcel. Several additions, including a wood working machine building, sheds, and a sawmill have been constructed. The oil house has been moved to the east of the buildings from the boiler room area. Single-family dwellings remain along Robinson Street.	Parcel B Industrial operations, wagon works and gasoline engine works, sawmill, oil houses, machining and tempering
	Parcel C The property remains the same as in the 1902 Sanborn Map.	Parcel C None identified
	Parcel D The northeastern portion of Parcel D contains a vacant tannery.	Parcel D Former tannery operations
	Parcel E Parcel E is depicted along West Kearsley from the Thread River west to Stevenson Street. The area consists of single-family residences.	Parcel E None identified
	Parcels F, G, H, I, and J Parcels F, G, H, I, and J are not depicted on this map.	Parcels F, G, H, I, J None identified
	Parcel K The area depicted remains the same as in the 1902 Sanborn Map.	Parcel K Railroad spur

Map Dates	Observations (Subject Property)	Potential Environmental Concerns
1914	Parcel A The property is identified as the "formerly Flint Paper Mill" and all buildings are now vacant.	Parcel A Former Paper Mill operations, railroad spur
	Parcel B The southwestern portion of the parcel contains several dwellings along West Kearsley Street. The Buick Motor Factory #2 is now "Mason Motor Company," although the only addition is a storage warehouse to the west. The Flint Wagon Works property is now operated by "Chevrolet Motor Company" and is labeled Factory #2. The buildings that formerly housed the Flint Wagon Works remain; however, new operations are as follows: metal working, millwright areas, auto repair, auto body manufacturing, testing, painting, upholstering, chassis assembly, wood working, and several machine shops. Several lumber piles remain to the west of the building along a railroad spur. The oil house remains east of the buildings. The single-family residences remain on the northeastern portion of the parcel, along Robinson and McFadden Streets.	Parcel B Mason Motor Company, gasoline engine manufacturing Chevrolet Motor Company, automobile manufacture & assembly Oil house, railroad spurs, lumber storage, coal bins
	Parcel C Parcel C consists of single-family residential dwellings along Glenwood Avenue from Asylum Street to Wilcox Street (now Chevrolet Avenue). A printing shop is located behind the residence at 1232 Glenwood Avenue.	Parcel C Printing shop
	Parcel D The western portion of Parcel D is occupied by several single-family residences along Stevenson and Stewart Streets. The eastern portion of the parcel remains developed with a vacant tannery, although the eastern portion of the building is also identified as steam laundry. Four wooden water tanks and a former bark mill are associated with the former tannery.	Parcel D Former tannery
	Parcel E Parcel E remains developed with several single-family residences along Stevenson, Armstrong and West Kearsley Streets. The eastern portion of the property is now developed by the U.S. Brass & Iron Foundry Company. Operations on-site include sand and coke storage, an iron foundry, a brass foundry, several crucibles, and wood shop.	Parcel E Brass and Iron Foundry
	Parcel F Parcel F is not depicted on this map.	Parcel F None identified
	Parcels G, H, and I Parcels G, H, and I are undeveloped and appear as waterways and riverbanks of the Flint River and Swartz Creek, which is identified as Thread River.	Parcels G, H, I None identified
	Parcel J Parcel J consists of Grand Trunk Western Railway with a railroad spur.	Parcel J Railroad spur
	Parcel K The area depicted remains the same as in the 1902 Sanborn Map and depicted as the main track.	Parcel K Railroad spur

Map Dates	Observations (Subject Property)	Potential Environmental Concerns
1928	Parcel A Plant #5 of the Chevrolet Motor Company has been constructed on the central and eastern portions of the parcel. A transformer house and a railroad spur are present to the north of the building. A sewer trap is present to the northwest of the building. An additional railroad spur is present along a concrete platform to the south of the building. The remainder of the parcel to the west consists of several single-family dwellings along with Joyner Street.	Parcel A Automobile manufacturing, railroad spurs, transformer house, sewer trap
	Parcel B Plants #4, #6, #7, and #8 of the Chevrolet Motor Company have been constructed on Parcel B. Plant #4 is located on the western portion of the parcel and contains a railroad spur and transformer house to the north, a conveyor belt and system to the south, and several railroad spurs to the east. An oil house and what appears to be a gasoline UST are present southeast of Plant #4. Specific operations, other than grinding in the southern portion of the building, are not described on the Sanborn Map. Plant #8 is located northeast of Plant #4 and contains a railroad spur to the north and to the southeast. The northwestern portion of the building is identified as the transformer house. A large crane way is present in the northern half of the building. A small building to the northwest of Plant #8, located along the Flint River, is identified as a fire house. Plant #7 is located immediately north of Plant #8 and appears to consist of open space. Railroad spurs are present to the north, east, and south. Plant #6 is located immediately north of Plant #7 and extends east almost to Stevenson Street. The building contains a traveling crane from east to west. The western portion of the building also contains a traveling crane and transformer house. Railroad spurs are present to the north, east, and south.	Parcel B Plant #4: Auto manufacturing, oil house, gasoline UST, railroad spurs, transformer house Plant #8: Auto manufacturing, railroad spurs, transformer house Plant #7: Auto manufacturing, railroad spurs Plant #6: Auto manufacturing, railroad spurs, transformer house
	Parcel C The only area of Parcel C that is depicted on this Sanborn Map is located from Thayer Street to Chevrolet Avenue. This area remains single-family residential, except for seven commercial stores and a drugstore located at the corner of Glenwood and Chevrolet Avenues. The printing shop identified in the 1914 Sanborn Map is not depicted.	Parcel C None identified
	Parcel D Several buildings associated with the Chevrolet Motor Company have been constructed on the eastern portion of the property. A note on the Sanborn Map indicates Parcel D is an “obsolete parts warehouse.” Two large warehouses are present, a sawmill, a heating plant, a guard shack, and two hose houses are present. In addition, several railroad spurs are located on the southern and western portions of the parcel.	Parcel D Heating plant, sawmill, railroad spurs

Map Dates	Observations (Subject Property)	Potential Environmental Concerns
	Parcel E The western and central portions of Parcel E remain the same as in the 1914 Sanborn Map. The foundry remains on the eastern portion of the property; however, the occupant is now the Flint Foundry Company. A large coke pile is located immediately south of the building along West Kearsley Street.	Parcel E Flint Foundry operations, exterior coke pile
	Parcels F, G, H, and I Parcels F, G, H, and I are undeveloped and appear as waterways and riverbanks of the Flint River and Swartz Creek, which is identified as Thread River.	Parcel F, G, H, I None identified
	Parcel J Parcel J is depicted with several railroad spurs.	Parcel J Railroad spurs
	Parcel K Parcel K is depicted with several railroad spurs utilized as the Grand Trunk Western Railroad.	Parcel K Railroad spurs
1950	Parcel A Plant #5, the transformer house, and sewer trap building remain the same. A primary house has been constructed to the east of the sewer trap building and a metal brick press building, identified as "Plant 28" is present to the west of Plant #5. Three ASTs are located near the southeastern corner of Plant #5. Due to the poor quality, AKT Peerless was unable to determine the size of the ASTs, but the contents are listed as kerosene, thinner, and soluble oil. The tanks are identified as being in concrete with a dike on all sides.	Parcel A Auto manufacturing, transformer house, sewer trap, metal brick press, ASTs
	Parcel B Parcel B remains the same as the 1928 Sanborn Map with the following exceptions: • Plant #4, the "Babbitt Building" has been constructed to the north along the Flint River, scrap bins are located along the northern railroad spur, and an interior loading dock has been constructed over the eastern railroad spurs. • Plant #8, Two electric switch houses are present along the southern side of the building and the plant is identified as a press shop. • Plant #7, Now identified as maintenance and general storage. A hospital has been constructed to the west of the plant, adjacent to the hose house.	Parcel B Plant #4: Auto manufacturing, railroad spurs, transformer house, oil house, gasoline UST Plant $8: Machine presses, transformer house, railroad spurs Plant #7: Maintenance operations, railroad spurs Plant #6: Auto manufacturing, transformer house, railroad spurs

Map Dates	Observations (Subject Property)	Potential Environmental Concerns
	Parcel C Parcel C is depicted from Thayer Street west to Chevrolet Avenue. The majority of the property is occupied by single-family residences. A small furniture store is located at 1520 Glenwood Avenue and a restaurant, as well as store with associated parking is located at 1610/1612 Glenwood. The six commercial buildings remain at the corner of Chevrolet Avenue, one of which is identified as a printing shop. Four additional stores and one restaurant are now located along Chevrolet Avenue to the railroad tracks. The restaurant is identified as having a refuse burner.	Parcel C Printing shop, refuse burning
	Parcel D Plant #10 has been constructed on Parcel D across the majority of the parcel. The plant is identified as a sheet metal stamping facility. Several railroad spurs are present to the west of the building.	Parcel D Auto manufacturing, railroad spurs
	Parcel E The majority of the single-family residences have been demolished with the exception of two flats at the corner of Armstrong and West Kearsley Streets. The Flint Foundry Building has been demolished as well. The Chevrolet Motor Company has constructed Plant #25 in its place, which is identified as the wood working and pattern shop. A railroad spur is present along the eastern side of the building extending to the north and northwest.	Parcel E Auto manufacturing, railroad spur
	Parcels F, G, H, and I Parcels F, G, H, and I are undeveloped and appear as waterways and riverbanks of the Flint River and Swartz Creek, which is identified as Thread River.	Parcel F, G, H, I None identified
	Parcels J and K Parcels J and K remains the same as in the 1928 Sanborn Map.	Parcel J Railroad spurs
1970	Parcel A Parcel A remains the same as in the 1950 Sanborn Map with the exception of the single-family residences to the west, which have all been demolished and is presently a paved parking lot.	Parcel A Auto manufacturing, transformer house, sewer trap, metal brick press, ASTs

Map Dates	Observations (Subject Property)	Potential Environmental Concerns
	Parcel B Parcel B remains the same as in the 1950 Sanborn Map with the exception of Plant #4: an additional transformer house is located south of the building.	Parcel B Plant #4: Auto manufacturing, railroad spurs, two transformer houses, oil house, gasoline UST Plant #8: Machine presses, transformer house, railroad spurs Plant #7: Maintenance operations, railroad spurs Plant #6: Auto manufacturing, transformer house, railroad spurs
	Parcel C Parcel C is depicted from Thayer Street west to Chevrolet Avenue. All residences and commercial structures have been razed. The parcel now consists of a paved parking lot.	Parcel C None identified
	Parcel D Parcel D remains the same as in the 1950 Sanborn Map.	Parcel D Auto manufacturing, railroad spurs
	Parcel E Parcel E remains the same as in the 1950 Sanborn Map with the exception of the two flats, which have also been demolished. The majority of Parcel E now consists of paved parking.	Parcel E Auto manufacturing, railroad spur
	Parcels F, G, H, and I Parcels F, G, H, and I are undeveloped and appear as waterways and riverbanks of the Flint River and Swartz Creek, which is identified as Thread River.	Parcels F, G, H, I None identified
	Parcels J and K Parcels J and K remains the same as in the 1950 Sanborn Map.	Parcel J and K Railroad spurs

AKT Peerless' review of historical fire insurance maps of the adjoining properties is summarized in the following table:

Adjoining Property Fire Insurance Map Summary

Map Dates	Potential Environmental Concerns (Adjoining Properties)
1886-1970	North: Hasselbring Greenhouses (1898-1909); Fisher Body Corporation/Chevrolet Motor Company (1928-1970) including: auto manufacturing, coal bins, oil houses, gasoline houses and USTs, gasoline stations.
	East: S.A. Lewis Planing Mill (1886); E.R. Sager's Furniture Factory (1886); Beardslee Gillies & Company Planing and Sash Mill (1892); Partridge Brothers Lumber Yard (1898); Michigan Coal Company (1914); Michigan Oil and Coal Company (1928); scrap iron yard, junkyard (1950).
	South: Residential (1886-1970); F.R. Lewis Lumberyard, "dressed lumber" and lumber storage; Beardslee Gillies & Company Planing Mill (1898); W.H. Wilson & Son Lumber Yard (1898); The Flint Perfection Case Company (1898); W.F. Stewart Company Vehicle Bodies and Gear Manufacturing (1902-1909); Kearsley Lumber Yard (1902); Perfection Fixture Company (1902); Hearsch & Atwood Sash & Door (1902); Peninsular Cabinet Company (1902); Flint Body Manufacturing (1909); Hearsch-Wasson Manufacturing Company (1909); R.D. Sharper Cider Mill (1909-1914); Flint Lumber Company (1914); coal storage (1928-1950); White Star Division Vacuum Oil Company (1950); Bulk Oil Station with four 20,000-gallon kerosene tanks (1950); machine shop (1950); auto repair (1950); Gasoline house and gas tank (1970); Chevy Motor Company (1970).

4.5.3 City Directories

Local street directory information from various years published between 1950 and 2009 were reviewed at the Library of Michigan, in Lansing, Michigan and from EDR. The purpose of this review was to determine the past occupancy of the subject property. Directories were reviewed in approximately five-year intervals, or as available. Photocopies of the reviewed local street directories with associated resource references are presented in **Appendix F**. Information obtained from the reviewed directories is summarized in the following table:

Street Name	Year	Listing
North Chevrolet Avenue	1950-1986	300 North Chevrolet Avenue, Chevrolet – Flint Manufacturing Division of General Motors
North Chevrolet Avenue	1988-1995	300 North Chevrolet Avenue, AC Spark Plug Flint Manufacturing
North Chevrolet Avenue	1995-1997	300 North Chevrolet Avenue, AC Rochester West
North Chevrolet Avenue	1997-2000	300 North Chevrolet Avenue, Delphi Energy & Engine Management Systems
Glenwood Avenue	1970-1986	1615 Glenwood Avenue, Chevy Parking Lot
Glenwood Avenue	1950	1626 Glenwood Avenue, Glenwood Cleaners
West Kearsley Street	1950-1986	810/900 West Kearsley Street, Chevrolet Motor Division (Salvage Dept.)
	1954-1986	920 West Kearsley Street, Chevrolet Motor Division Parking Lot
	1950-1986	1114 West Kearsley Street, Chevrolet Motor Division (Personnel)

An address that is not listed typically indicates that: (1) the property was vacant at that time, (2) a potential building was unoccupied at that time, (3) a previously existing address was different than the current address, (4) the building was not represented in the directory because of a "lag time" between building the structure and compiling the list, or (5) occupant information was not available for inclusion into the directory.

AKT Peerless also reviewed city directories for select adjoining properties to determine their past occupancy. Several potential environmental concerns associated with historical occupants of the adjoining properties were noted, including industrial operations, filling stations, dry cleaning operations, and automotive repair.

4.5.4 Topographic Maps

AKT Peerless determined that review of historical topographic maps was not likely to be useful in identifying RECs, due to the long-term urban development of the property and surrounding area.

4.5.5 Land Title Records

Unless otherwise noted, AKT Peerless did not identify or research, and was not provided by the Client, land title records associated with the subject property.

4.5.6 Other Historical Resources

AKT Peerless did not identify other historical resources with relevant information pertaining to the subject property.

5.0 Interviews

5.1 Interview with Subject Property Owner

AKT Peerless interviewed Mr. Barry June, Director of Genesee County Parks and Recreation Commission, regarding his knowledge of the subject property and provided an owner questionnaire. Mr. June stated that Genesee County purchased the subject property in June 2020 from the City of Flint. Mr. June stated the subject property was developed as Chevy Commons Park and Genesee Valley Trail when purchased except for Parcel A, which Genesee County Parks had developed with sidewalks and landscaped areas. Mr. June reported the subject property was formerly utilized for General Motors automotive manufacturing and railroad transportation. Mr. June did report a restrictive covenant for the subject property and the site has contamination related to the former uses. Mr. June reported there was clean fill brought onto the subject property as part of the capping process for an engineering control to prevent exposure from contamination, which was implemented prior to Genesee County's purchase. Mr. June stated that they had environmental work completed on the subject property that included a Documentation of Due Care Compliance and was implemented in their maintenance plans for the park.

A copy of the completed owner questionnaire is presented in **Appendix F**.

5.2 Interview with Key Site Manager

Refer to Section 5.1.

5.3 Interview with Subject Property Occupants and Operators

Refer to Section 5.1.

5.4 Interview(s) with Others

AKT Peerless did not conduct interviews with others during this assessment because the historical use of the subject property has been identified. Further, interviews with the occupants of adjoining and nearby properties were not conducted because the subject property is not considered abandoned, as referenced by ASTM International.

6.0 Subject Property Reconnaissance

6.1 Methodology and Limiting Conditions

The subject property reconnaissance consisted of visual and physical observations of the subject property. AKT Peerless visually and/or physically observed the subject property, as well as the interior and periphery of structures. AKT Peerless' reconnaissance methodology was designed to identify and document RECs, CRECs, and de minimis conditions associated with the subject property based on the use in concert with other relevant information gathered during this Phase I ESA. In addition, AKT Peerless observed adjoining properties from the subject property and adjacent public thoroughfares.

Mrs. Kammie Niswander of AKT Peerless conducted the subject property reconnaissance on December 6, 2022. AKT Peerless did not encounter any project specific facts or conditions that limited our ability to access or inspect the subject property.

6.2 General Subject Property Setting and Operations

The subject property is structurally vacant. Parcels A B, C, D, and E consists of a municipal park known as Chevy Commons County Park. This portion of the subject property consists of greenspace, concrete walkways, and two paved asphalt parking lots. Parcels F and G consists of concrete lined sections of the Flint River and associated riverbanks located directly north and south of the waterway. Parcel H consists of a concrete lined section of the Swartz Creek and associated riverbanks located directly east and west of the waterway. Parcel I consists of a section of the Swartz Creek and associated riverbanks located directly east and west of the waterway. Parcels J and K consists of a recreational trail known as Genesee Valley Trail and is developed with concrete walkways and greenspace.

6.3 Observations

6.3.1 Hazardous Substances and Petroleum Products

AKT Peerless did not observe hazardous substances or petroleum products (including wastes) at the subject property.

6.3.2 Storage Tanks

AKT Peerless did not observe evidence of current or former UST systems (e.g., vent pipes, fill ports, dispensing pumps, patched pavement, etc.) at the subject property.

AKT Peerless did not observe evidence of current or former AST systems (e.g., stands, secondary containments, etc.) at the subject property.

6.3.3 Strong, Pungent, or Noxious Odors

AKT Peerless did not observe evidence of strong, pungent, or noxious odors.

6.3.4 Unidentified Substance Containers

AKT Peerless did not observe evidence of unidentified substances or other suspect containers on the subject property.

6.3.5 Potential Polychlorinated Biphenyl (PCB) Containing Items

AKT Peerless inspected the subject property for the presence of electrical or hydraulic equipment known or likely to contain PCBs. AKT Peerless did not observe suspect PCB-containing electrical or hydraulic equipment at the subject property.

6.3.6 Interior Staining/Corrosion

There are no structures at the subject property; therefore, this section does not apply.

6.3.7 Drains and Sumps

There are no structures at the subject property; therefore, this section does not apply.

6.3.8 Water/Wastewater Discharges

AKT Peerless did not observe evidence of wastewater or other liquid (including storm water) discharges containing hazardous substances or petroleum products at the subject property.

Storm water that falls upon the subject property appears to evaporate, infiltrate directly into the ground, or discharge to storm water drains located within the parking lot of the subject property.

6.3.9 Standing Water, Pools, Waste Pits, Ponds, and Lagoons

AKT Peerless did not observe standing water, pools, sumps, pits, ponds, or lagoons containing liquids considered likely to contain hazardous substances or petroleum products at the subject property.

6.3.10 Solid Waste Dumping/Landfills

AKT Peerless did not observe evidence of areas apparently graded by non-natural causes, fill material of an unknown origin, debris (construction or demolition), solid waste dumping or landfilling, or irregular mounds or depressions at the subject property.

6.3.11 Stained Soil, Stressed Vegetation, Stained Pavement

AKT Peerless did not observe evidence of stained soil, stressed vegetation, or stained pavement at the subject property.

6.3.12 Well and Septic Systems

AKT Peerless did not observe physical evidence of drinking water wells, septic systems, or cesspools at the subject property.

Monitoring wells were observed throughout the subject property. The monitoring wells are associated with current and historical environmental investigations at the subject property.

6.3.13 Other Observations

AKT Peerless did not observe evidence of other potential environmental concerns at the subject property, except for a concrete pad on Parcel A. The concrete pad was historically associated with a former outfall and nearby the former vents along the Flint River. No evidence of a release was observed.

6.3.14 Adjoining Properties

Based on AKT Peerless' visual observations, the current uses of the adjoining properties do not appear to pose an environmental concern to the subject property.

6.4 Non-ASTM International E 1527 Scope Considerations

AKT Peerless did not evaluate any other potential environmental conditions (i.e., further areas of possible business/environmental concern and/or liability) that are outside the scope of ASTM Practice E 1527. Examples of such potential environmental conditions that were beyond the scope of this Phase I ESA include: asbestos containing materials (ACMs), biological agents, cultural and historic resources, ecological resources, endangered species, health and safety, indoor air quality, industrial hygiene, lead-based paints (LBPs), lead in drinking water, moisture intrusion/suspect mold or microbial growth, noise pollution, naturally-occurring radon, regulatory compliance/non-compliance, substances not defined as CERCLA hazardous substances, and/or wetlands.

Users of this document, who wish to obtain an evaluation of the subject property relative to any of the aforementioned non-ASTM Practice E 1527 scope considerations, may contact AKT Peerless to retain these services.

7.0 Findings, Opinions, and Conclusions

AKT Peerless has performed a Phase I ESA in conformance with the scope and limitations of ASTM International Practice E 1527-21 of Chevy Commons, Flint, Genesee County, Michigan, the subject property. Any exceptions to, or deletions from, this practice are described in Section 8.0 of this report. AKT Peerless' findings and opinions with respect to potential RECs are presented throughout this report, including discussion and analysis of potential RECs that, after further consideration and research, were not determined to be RECs, HRECs, or CRECs. Such findings and opinions are discussed in the appropriate sections of this report.

7.1 Recognized Environmental Conditions

This assessment has revealed no evidence of known RECs in connection with the subject property, except for the following:

REC 1 - The southern adjoining property operated for industrial purposes, primarily automotive manufacturing, from at least the late 1800s to the early 2000s. Previously completed subsurface investigations identified concentrations of CVOCs in soil and groundwater in excess of the Michigan EGLE Part 201 Generic RCC. Additionally, samples were collected between 2018 and

2021 and submitted for laboratory analyses of PFAS compounds[7]. The results of those investigations revealed PFAS compounds in soil and groundwater at concentrations above newly established (2018) EGLE Part 201 RCC. Furthermore, PFAS and CVOCs contamination were found to have migrated off-site onto an adjoining former railroad property. The potential for contaminants migrating from an adjoining property to the subject property represents a REC.

7.2 Controlled Recognized Environmental Conditions

This assessment has revealed no evidence of known CRECs in connection with the subject property, except for the following:

CREC 1 - Previous assessments identified RECs related to the historical industrial use (primarily automotive manufacturing) of the subject property from at least the late 1800s to the early 2000s. Multiple subsurface investigations of the subject property were conducted over time to address those RECs. VOCs, PNAs, metals, and polychlorinated biphenyls (PCBs) have been detected in soil and groundwater at the subject property at concentrations above the Michigan EGLE Part 201 Generic RCC. Further, river sediments in the area of the subject property are known to have been impacted by contaminants as a result of discharges to the Flint River. Therefore, the subject property meet the definition of a *facility,* as defined in Part 201 of the NREPA, Michigan PA 451, 1994, as amended.

The City of Flint (former property owner) entered into an Agreement, Order on Consent, and Covenant not to Sue with the United States Environmental Protection Agency (USEPA), Region 5 of the Former Delphi "Flint West" Site, also known as "Chevy in the Hole" in Flint, Genesee County, Michigan (Parcels A through E) in 2012. The agreement was entered pursuant to the Solid Waste Disposal Act, commonly referred to as the Resource Conservation and Recovery Act (RCRA) of 1976. The agreement proposed that the City of Flint would acquire ownership of the subject property for use as a public green space. Furthermore, the agreement would allow the City of Flint to become non-liable for known contamination present at the subject property.

The agreement states that the City of Flint agreed to comply with corrective actions including, but not limited to, site capping over contaminated soils, planting of trees and other native vegetation, the installation of walkways, the completion of a Declaration of Restrictive Covenant, installation of new groundwater monitor wells, performance of groundwater monitoring, and compliance with Section 7a of the NREPA (commonly known as "Due Care").

To date, the proposed redevelopment activities undertaken by the City of Flint have included the completion of site capping, tree and vegetation planning, walkway installation, submittal of a Declaration of Restrictive Covenant, and the completion of groundwater monitoring on two of the five parcels (Parcels A and E). The Declaration of Restrictive Covenant (1) limits the use of the property to park, open space, or recreation, (2) prohibits use of groundwater, (3) restricts construction of buildings, (4) limits excavation of soil, (5) prohibits treatment, storage, and

[7] In August 2022, EPA proposed the addition of two PFAS compounds, perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) to the list of hazardous substances under CERCLA. The rulemaking process is underway with an anticipated resolution by August 2023. In 2018, the State of Michigan classified PFAS compounds as a hazardous substance regulated under Part 201 of the Natural Resources and Environmental Protection Act, Michigan PA 451 of 1994, as amended (NREPA).

disposal of hazardous wastes, (6) requires proper management of soil, media, and debris, as well as (7) requires the on-site concrete slabs not be removed with certain exceptions. To date, the City of Flint appears to be in compliance with due care obligations. Furthermore, Genesee County, the current property owner appears to be in compliance with due care obligations.

The regulatory authorities have allowed contaminants at the subject property to remain in place subject to the above referenced restrictions and covenants, which represents a CREC.

7.3 Historical Recognized Environmental Conditions

This assessment has revealed no evidence of known HRECs in connection with the subject property.

7.4 Recommendations

Based on the intended use of the subject property as a park and results of previous environmental investigations, AKT Peerless does not recommend additional subsurface investigation of the subject property at this time. The REC and CREC identified above appear to be adequately managed through compliance with existing engineering and administrative controls of the subject property. However, any changes to the future use of the subject property (including any park construction activities that would disrupt surface soil) must be evaluated for compliance with due care prior to initiation of those activities.

AKT Peerless recommends any future owner(s)/operator(s) prepare a Baseline Environmental Assessment (BEA). Section 26(1)(c) of Part 201 provides certain liability protections to a person, who becomes an owner or operator of a *facility* on, or after June 5, 1995, if they comply with both of the following, or unless other defenses apply: a BEA is conducted prior to or within 45 days after the earlier of the date of purchase, occupancy, or foreclosure, and the owner or operator discloses the results of the BEA to EGLE and subsequent purchaser or transferee.

AKT Peerless recommends current and future owners and/or operators to comply with the Agreement, Order on Consent, and Covenant not to Sue with the USEPA, specifically corrective actions and due care compliance. Due care obligations include:

- Undertaking measures to prevent exacerbation of existing contamination.
- Exercising due care by undertaking response activities to mitigate unacceptable exposure to hazardous substances, mitigate fire and explosion hazards due to hazardous substances, and allow for the intended use of the subject property in a manner that protects health and safety.
- Taking reasonable precautions against the reasonably foreseeable acts or omissions of a third party and the consequences that could result from those acts or omissions.
- Provide notifications to the EGLE and others in regard to mitigating fire and explosions hazards, discarded or abandoned containers, contamination migrating beyond property boundaries, as applicable.
- Comply with any land use or resource use restrictions established or relied on in connection with the response activities at the facility.
- Not impede the effectiveness or integrity of any land use or resource restriction employed at the facility in connection with response activities.

7.5 De Minimis Conditions

During the course of Phase I ESAs, AKT Peerless often encounters conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. These conditions are not considered RECs, HRECs, or CRECs, but are defined by ASTM Practice E 1527 as *de minimis* conditions. In the interest of brevity, AKT Peerless did not develop a full list of *de minimis* conditions in this section, rather evaluated and identified these conditions in the appropriate sections of this report.

7.6 Significant Data Gaps

A data gap is a lack of, or inability to, obtain required information during the course of a Phase I ESA. AKT Peerless summarized data gaps, if identified, in the appropriate section of this report related to the source of information. A significant data gap is a data gap that affects AKT Peerless' ability to identify RECs. This assessment has revealed no instances of significant data gaps in connection with the subject property.

7.7 Other Notable Environmental Considerations

AKT Peerless' Phase I ESAs occasionally reveal other notable environmental considerations that may be relevant to the condition of the subject property that do not qualify as RECs, CRECs, HRECs, or de minimis conditions. Other notable environmental considerations identified during this assessment include the following:

- Information regarding ASTs and USTs that have been installed and removed at the subject property were obtained from various sources during this assessment. Since some of this information was incomplete, ambiguous, and/or conflicting in nature, AKT Peerless was unable to fully ascertain relevant data (i.e., location, contents, capacity) regarding some of the USTs that have been associated with the subject property. The possibility exists that USTs historically located on the subject property were not identified during the course of this assessment and/or abandoned USTs, that were never removed or closed, remain on the subject property.

  In AKT Peerless' opinion, if any USTs are identified or encountered during future development activities, they should be decommissioned, removed, and/or disposed in accordance with applicable federal, state, and local regulations. Additional action beyond that recommended above may be warranted if evidence of actual or historical USTs is identified at the subject property in the future.

- Municipal water and sanitary sewer were connected to the area of the subject property in the 1960s. Water and sewage disposal utilized on-site prior to the connection dates could not be determined. Municipal sanitary sewer services to the area of the subject property was not available; however, a wastewater treatment plant was constructed on Parcel A of the subject property in 1962. Municipal water and sanitary sewer services to Parcels F and G of the subject property were unable to be determined. The possibility exists that a well(s) and/or septic system(s) were used at the subject property prior to the connection of municipal water and sanitary sewer.

In AKT Peerless' opinion, if any septic systems or drinking water wells are identified or encountered during future development activities, they should be decommissioned, removed, and/or disposed in accordance with applicable federal, state, and local regulations.

- Heating fuels used on-site prior to the connection of natural gas in 1910 were not determined. The first documented natural gas connection to the area of the subject property occurred in 1910. The possibility exists that alternative heating fuels (i.e. fuel oil and/or coal) were used on the subject property prior to 1910.

  In AKT Peerless' opinion, if any heating oil containers are identified or encountered during future development activities, they should be decommissioned, removed, and/or disposed in accordance with applicable federal, state, and local regulations. Additional action beyond that recommended above may be warranted if evidence of actual or historical heating oil USTs is identified at the subject property in the future.

8.0 Deviations

AKT Peerless did not deviate from ASTM International Practice E 1527 when performing this Phase I ESA (i.e., no components of that practice were deleted and no additions to it were made).

9.0 Project Resources and References

AKT Peerless referred to the following resources between November 8, 2022 and February 17, 2023 to complete its Phase I ESA:

- United States Environmental Protection Agency (USEPA)
- United States Geological Survey (USGS)
- United States Department of Agriculture (USDA)
- Michigan Department of Environment, Great Lakes, and Energy
- Genesee County Health Department
- Flint Government Sources (e.g., assessing, building, fire, engineering departments, etc.)
- Environmental Data Resources (EDR)
- Environmental Risk Information Services (ERIS)
- Interviews and Questionnaire Responses
- Previous environmental assessments

Individual resources obtained from the referenced sources are cited in the appropriate sections of this report.

10.0 Continued Viability Evaluation

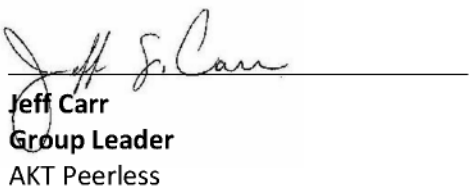
As described in Section 4.6 of ASTM Practice E 1527, a Phase I ESA meeting or exceeding the ASTM standard practice is presumed to be viable when conducted within 180 days prior to the date of property acquisition, lease, or refinance. Certain components of the Phase I ESA may be updated within one year. The completion dates of those components are summarized in the following table:

Continued Viability Evaluation

Critical Component	Completion Date
State and Federal Database Report	November 10, 2022
Government Records Review	November 8, 2022 - December 13, 2022
Interviews	December 19, 2022
Site Inspection	December 6, 2022
Environmental Professional Declaration	March 3, 2023

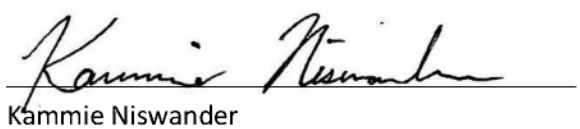
11.0 Signatures of Environmental Professionals

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR Part 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Jeff Carr
Group Leader
AKT Peerless
Saginaw, Michigan Office
Phone: 989-754-9896
Fax: 989-754-3804
carrj@aktpeerless.com

The following other consultants contributed to the completion of this report under the supervision and responsible charge of the above-identified environmental professional(s):



Kammie Niswander
Environmental Consultant
AKT Peerless
Saginaw, Michigan Office

AKT PEERLESS
ENVIRONMENTAL SERVICES

Qualifications

Jeff S. Carr

Group Leader-Project Manager



Mr. Carr has over 15 years of experience in environmental due diligence and assessment, environmental response activities, corrective action, and regulatory compliance management.

EDUCATION

BS: Environmental Resource Planning, 2005
University of Michigan-Flint

CERTIFICATIONS

State of Michigan Asbestos Building Inspector
Accreditation # A36083

OSHA 29 CFR 1910.120
40 and 8 Hour Refresher HAZWOPER Training

Certified Storm Water (Industrial Site)
Management Operator by the Michigan
Department of Environmental Quality
Certification # I-10223

PROFESSIONAL EXPERIENCE

Project Manager
AKT Peerless Environmental and Energy Services

Project Manager
Applied Ecosystems-Great Lakes, Inc.

AREAS OF EXPERTISE

- Completion of Phase I Environmental Site Assessments to meet or exceed ASTM standards
- Direct Phase II Subsurface Investigations to completion
- Site investigation activities associated with leaking underground storage tank sites
- The completion of Baseline Environmental Assessments
- Maintain direct client and regulatory agency contact
- Responsible for job costing and budgeting
- Interpretation of laboratory analytical results and technical report writing
- Groundwater and soil sampling
- Drinking water and waste water compliance

- Storm water management
- Pre-demolition asbestos and hazardous materials survey

SUMMARY OF SELECTED PROJECTS

Assisted with U.S. EPA Brownfield assessment grant management. The primary objective of each Brownfield grant was to perform Brownfield inventories, conduct Phase I and Phase II ESAs, Baseline Environmental Site Assessments and EPA quality assurance project plans (QAPPS).

Management of hundreds of ASTM E 1527 compliant Phase I ESAs, including proposal generation, cost analysis, project management, client communication, and invoicing for financial institutions, real estate developers, manufacturing facilities, and property managers.

Performed Phase I ESAs for real estate developers in accordance with ASTM E 1527, All Appropriate Inquiry, and Michigan State Housing Development Authority (MSHDA) Environmental Review Requirements.

Prepared Spill Prevention Control and Countermeasure/Pollution Incident Prevention (SPCC/PIP) Plans for automotive repair, salvage yard, and warehousing facilities.

Prepared Storm Water Pollution Prevention Plans for various sites including (1) a Michigan-based college campus, (2) multiple Michigan-based public transportation facilities, and (3) various Michigan-based industrial facilities.

Managed hundreds of Phase II subsurface investigations (including the coordination of soil boring and monitor well installation, laboratory data interpretation, and report completion), to (a) evaluate the potential presence of contaminants, (b) evaluate the type of contaminants, and (c) delineate horizontal and vertical extent. Additional activities included the preparation of Baseline Environmental Assessments and Documentation of Due Care Compliance to evaluate identified contamination at facilities for submittal to the Michigan Department of Environmental Quality.

Supervised Underground Storage Tank removal activities at sites in Michigan in accordance with state regulations. Field activities included contractor oversight, sample collection, analysis of laboratory results, and report preparation for submittal to state agencies.

Performed hundreds of pre-demolition asbestos and hazardous material inspections for various commercial and residential properties. Activities performed included the collection of suspect asbestos containing materials, quantification of asbestos containing materials and hazardous materials, and recommendations for handling identified materials.

Performed Construction Analysis Reviews and Construction Draw Reviews for projects ranging from restaurants to manufacturing facilities.

Kammie Niswander

Environmental Consultant

Mrs. Niswander is an Environmental Consultant, focusing on environmental investigations and due diligence services.

EDUCATION

BS: Bachelor of Science - Geology, 2018 / Central Michigan University, Mount Pleasant, Michigan
AS: Associated in General Studies, 2016 / Delta College, university Center, Michigan

LICENSES/REGISTRATIONS

40 Hour HAZWOPER Training / Occupational Safety and Health Administration

Fundamentals of Geology / National Association of State Boards of Geology (ASBOG)

PROFESSIONAL EXPERIENCE

Environmental Consultant
AKT Peerless Environmental

AREA OF EXPERTISE

Phase I & Phase II Environmental Site Assessment to meet or exceed ASTM standards
Coordinate and conduct historical research, interviews, site reconnaissance, and technical writing
Interpolation of laboratory analytical results
Geologic field mapping
ArcGIS

SUMMARY OF SELECTED PROJECTS

School District of the City of Saginaw Year: 2020 – Present Location: Saginaw, Michigan Scope of Work: To perform environmental due diligence (Phase I ESA, Phase II ESA, and Due Care) for School District of City of Saginaw
Hutson Inc. Year: 2021 – Present Location: Michigan Scope of Work: To perform environmental due diligence (Phase I ESA, Phase II ESA, BEA, and Due Care) for Hutson Inc. at various locations throughout Michigan.

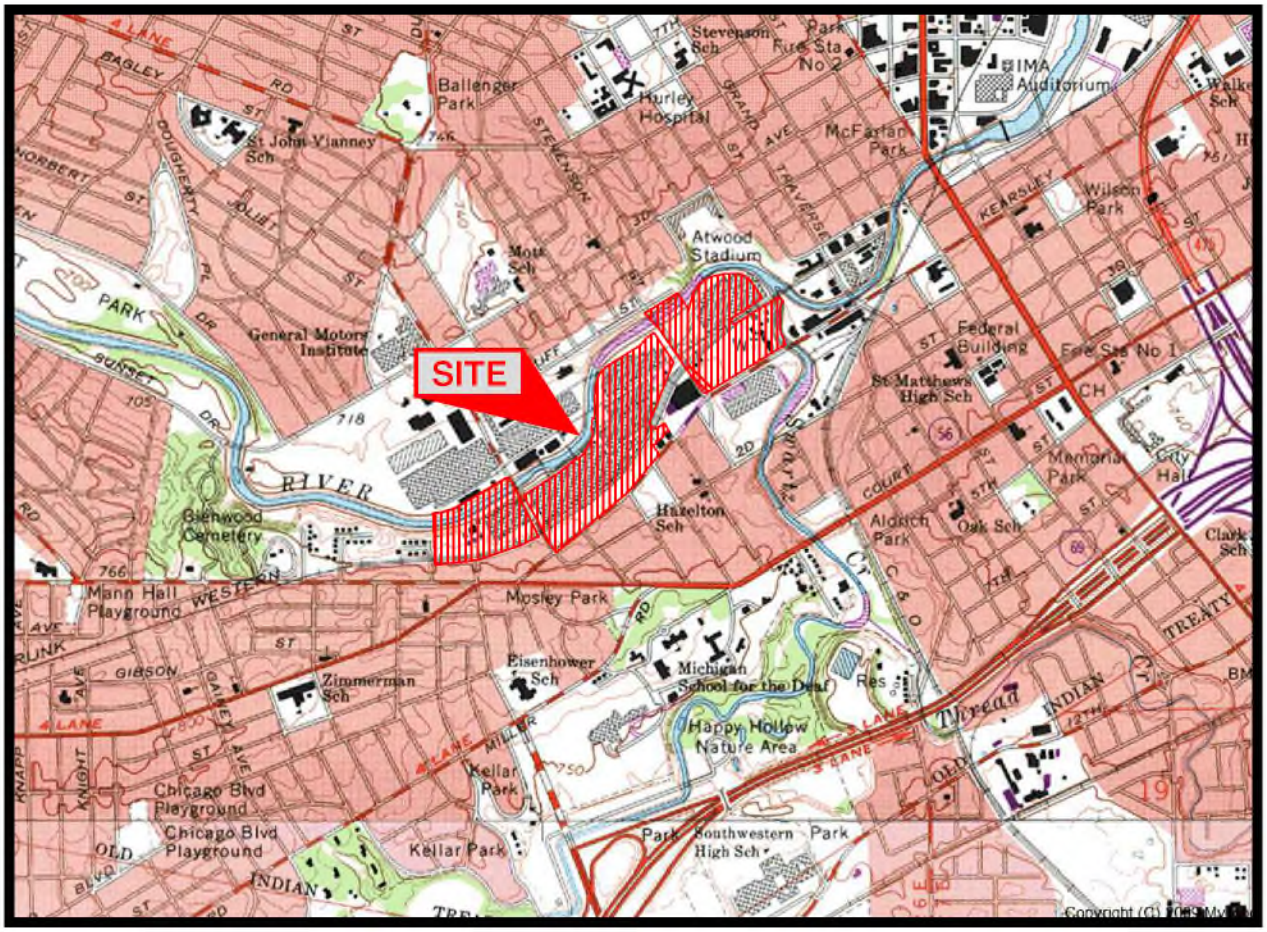
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ENVIRONMENTAL SERVICES

Figures

FLINT NORTH QUADRANGLE

MICHIGAN - GENESEE COUNTY

7.5 MINUTE SERIES (TOPOGRAPHIC)



T.7 N.-R.6 E.

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 0 1 KILOMETER

MICHIGAN
QUADRANGLE LOCATION



IMAGE TAKEN FROM 1969 U.S.G.S. TOPOGRAPHIC MAP
PHOTOREVISED 1975

AKT PEERLESS
ENVIRONMENTAL SERVICES

TOPOGRAPHIC LOCATION MAP

CHEVY COMMONS
FLINT, MICHIGAN
PROJECT NUMBER: 17713s -2-17

DRAWN BY: OGO
DATE: 12/02/2022

FIGURE 1

N
W E
S

ATWOOD STADIUM
701 WEST 3RD STREET

STADIUM PARKING

FLINT RIVER

VACANT GRASSY LOT

TENACITY BREWING
119 NORTH GRAND TRAVERSE STREET
(BEA, SHWS, WASTE)

RAY COURT

RAY STREET

VACANT
GRASSY LOT

VACANT
GRASSY LOT
1100 BLUFF STREET

BANGS STREET

FROST STREET

COTTAGE GROVE AVENUE

MOARAS COURT

MATTHEWSON STREET

CADILLAC STREET

BLUFF STREET

VACANT
GRASSY LOT

PARCEL G

PARCEL D

GRASS

GRASS

ASPHALT

PARCEL H

COMMERCIAL
VACANT BUILDING
630 WEST KEARSLEY STREET
(BEA, FED BROWNFIELDS,
UST, WASTE)

BANDS STREET

VACANT GRASSY LOT
712 WEST KEARSLEY STREET
(BEA, FED BROWNFIELDS)

PARCEL I

CONCRETE
PARKING LOT

PARCEL J

PARCEL E

GRASS

GRASS

GRASS

GRASS

PARCEL B

GRASS

KETTERING UNIVERSITY
GM MOBILITY RESEARCH CENTER
304 NORTH CHEVROLET AVENUE
(RCRA VSQG, WASTE, FINDS/FRS)

CONSUMER'S ENERGY
SUBSTATION
320 SOUTH
STEVENSON STREET
(AUL, SHWS, PFAS
WASTE)

STEVENSON STREET

KEARSLEY STREET

GENERAL MOTORS METAL FABRICATION
425 SOUTH STEVENSON STREET
(RCRA SQG, RCRA NON-GEN, WASTE, SPILLS)

SWARTZ CREEK

CHEVROLET AVENUE

KETTERING UNIVERSITY/VACANT GRASSY LOT
1700 WEST 3RD STREET
(LUST, AUL, WASTE)

VACANT
GRASSY LOT
417 ASYLUM STREET
(BEA)

COMMERCIAL
VACANT BUILDING
1222 GLENWOOD AVENUE

CHASE STREET

GRASS

VACANT
GRASSY LOTS

CONSUMERS ENERGY SUBSTATION
300 NORTH CHEVROLET AVENUE

GRASS

GRASS

ASYLUM STREET

ASPHALT

PARCEL K

FLINT RIVER

PARCEL F

GRASS

CONCRETE
PAD

PARCEL A

GLENWOOD AVENUE

VACANT
GRASSY LOTS

HAZELTON STREET

PARCEL C

GRASS

VACANT
WOODED LOT

GRASS

KETTERING
UNIVERSITY SIGN
420 SOUTH CHEVROLET AVENUE

VACANT
GRASSY LOT
(BEA, UST, LUST)

WEST 2nd STREET

HAVER STREET

RESIDENTIALS
2001-2002 BECKWITH COURT

CENTER STREET

GENESEE VALLEY TRAIL

VACANT GRASSY LOT
1730 GLENWOOD AVENUE
(BEA)

VACANT GRASSY LOT
1701 GLENWOOD AVENUE
(RCRA VSQG, WASTE, BEA, UST, LUST)

FOX STREET

RAY'S GARAGE
1940
WEST COURT STREET
(WASTE)

VACANT
GRASSY LOT

LEGEND

= APPROXIMATE PROPERTY LINE

= APPROXIMATE PARCEL LINE

= STORM DRAIN

= FIRE HYDRANT

= MONITORING WELL

DRAWN BY: OGO/SES
DATE: 01/04/2023

0 200 400
SCALE: 1" = 400'

FIGURE 2

SUBJECT PROPERTY MAP

CHEVY COMMONS
FLINT, MICHIGAN
PROJECT NUMBER: 17713s -2-17

AKTPEERLESS™
ENVIRONMENTAL SERVICES

Appendix A

Property Description and Parcel Map

Genesee County GIS

Parcel Report: 40-13-301-005

11/9/2022
2:21:10 PM



Property Address

N CHEVROLET AVE

FLINT, MI, 48503

Owner Address

GENESEE COUNTY

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-301-005
Property Class:	302
Class Name:	--
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	0
Zoning:	A-1

Legal Description

THAT PART OF LOTS 14 AND 15, BLK 1, WEST FLINT LYING NLY OF GRAND TRUNK WESTERN RAILROAD R/W AND WLY OF WLY LINE OF CHEVROLET AVE; ALSO THAT CONTIGUOUS PART OF LOTS 5 AND 6, PETER O'CONNERS SUBDIVISION OF PART OF LOT ONE OF THAYER & WRIGHT'S OUTLOTS, LYING NLY OF SD RAILROAD R/W; ALSO THAT CONTIGUOUS PART OF OUTLOT 1, THAYER & WRIGHT'S OUTLOTS, SECTION 9, SMITH'S RESERVATION, LYING NLY OF SD RAILROAD R/W; ALSO A CONTIGUOUS PART OF THURBER'S ADDITION TO WEST FLINT, DESC AS; LOTS 13 TO 17 INCLUSIVE, BLK 2; ALSO LOTS 18 TO 21 INCLUSIVE, BLK 3; ALSO PART OF LOTS 7, 8 9, 10 AND 12; BEG AT NWLY COR OF SD LOT 7; TH S 0 DEG 48 MIN 30 SEC W ALONG WLY LINE OF SD LOT, 19.19 FT TO NLY LINE OF SD RAILROAD R/W; TH N 87 DEG 22 MIN E ALONG SD NLY LINE 128.16 FT TO PC; TH ELY ALONG A TANGENT CURVE TO THE LEFT, RADIUS 15,416.74 FT, A CHORD BEARING AND DISTANCE OF N 86 DEG 47 MIN 30 SEC E, 304.96 FT TO THE INTERSEC OF ELY LINE OF SD ADDITION WITH NLY LINE OF SD LOT 12; TH S 89 DEG 30 MIN W ALONG NLY LINE OF SD LOTS 12, 10 9, 8 AND 7, 432.25 FT TO POB, BLK 1. EXC COM AT THE INTERSECTION OF SWLY LINE OF CHEVROLET AVE. AND THE NLY FACE OF AN EXISTING RETAINING WALL AT THE SLY BANK OF THE FLINT RIVER; TH S 83 DEG 25 MIN 21 SEC W, ALG SD NLY FACE, 27.47 FT TO AN ANGLE POINT IN SD WALL; TH, CONT ALG SD NWLY FACE OF SD WALL, S 59 DEG 46 MIN 45 SEC W, 584.07 FT TO AN ANGLE POINT IN SD WALL; TH S 09 DEG 58 MIN 57 SEC E, ALG THE WLY FACE OF SD WALL, 31.72 FT TO THE SLY FACE OF AN EXISTING RETAINING WALL; TH ALG SD SLY FACE, ON A CURVE TO THE RIGHT HAVING A RADIUS OF 661.26 FT, AN ARC OF 256.41 FT AND A CHORD BEARING AND DISTANCE OF S 72 DEG 28 MIN 20 SEC W, 254.81 FT; TH, CONT ALG SD SLY FACE, S 83 DEG 34 MIN 53 SEC W, 90.0 FT TO THE ELY LINE OF CENTER ST.; TH NLY TO C/L OF FLINT RIVER; TH ELY ALG SD C/L TO SWLY LINE OF CHEVROLET AVE.; TH SLY TO BEG.

Sales Information

Sale Date: 06-03-2020

Sale Price: 6263700
Instrument: CD
Grantor: CITY OF FLINT
Grantee: GENESEE COUNTY
Terms of Sale: 13-GOVERNMENT
Liber/Page: 202006180040409

Sale Date: 03-24-2012

Sale Price: 0
Instrument: QC
Grantor: ECONOMIC DEVELOPMENT CORP/FLINT
Grantee: CITY OF FLINT
Terms of Sale: 13-GOVERNMENT
Liber/Page: 201303040039777

Sale Date: 12-30-2008

Sale Price: 0
Instrument: QC
Grantor: DELPHI AUTOMOTIVE SYS
Grantee: ECONOMIC DEVELOPMENT CORP
Terms of Sale: 33-TO BE DETERMINED
Liber/Page: 200901140002036

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Genesee County GIS

Parcel Report: 40-13-176-002

11/9/2022
2:24:19 PM



Property Address

306 S STEVENSON ST

FLINT, MI, 48504

Owner Address

GENESEE COUNTY

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-176-002
Property Class:	302
Class Name:	--
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	0
Zoning:	A-1

Legal Description

PART OF BLK 1, PLAT OF WEST FLINT AND PART OF PLAT OF ROBINSON PLACE AND PART OF BLK 3 OF PLAT OF MCFARLAN'S ADDITION TO WEST FLINT & PART OF EPHRAIM S. WILLIAMS' SUBDIVISION AND PART OF BANG'S REPLAT OF PART OF BLOCKS 6 AND 8, MCFARLAN & CO'S COTTAGE GROVE ADDITION DESC AS: BEG AT A PT ON WLY LINE OF STEVENSON ST, 257.19 FT, S 41 DEG 04' 05 SEC E FROM ITS INT WITH SLY LINE OF BLUFF ST; TH S 59 DEG 21' 35 SEC W, 98.48 FT; TH S 42 DEG 39' 38 SEC W, 104.4 FT; TH S 59 DEG 21' 35 SEC W, 412.66 FT; TH S 40 DEG 55' 29 SEC W, 79.06 FT; TH S 30 DEG 25' 01 SEC W, 50.16 FT; TH S 20 DEG 32' 57 SEC W, 94.23 FT; TH S 3 DEG 06' 40 SEC W, 331.01 FT; TH N 81 DEG 35' 08 SEC W, 18.08 FT; TH S 3 DEG 06' 40 SEC W, 41.75 FT; TH S 8 DEG 24' 52 SEC W, 83.83 FT; TH S 81 DEG 35' 08 SEC E, 15 FT; TH S 8 DEG 24' 52 SEC W, 85.02 FT; TH S 31 DEG 25' W, 187.98 FT; TH S 51 DEG 23' 05 SEC W, 68.90 FT; TH N 38 DEG 36' 55 SEC W, 15 FT; TH S 51 DEG 23' 05 SEC W, 259.5 FT; TH S 59 DEG 24' 07 SEC W, 412.04 FT TO ELY LINE OF CHEVROLET AVE; TH SLY ALG SD ELY LINE TO NLY LINE OF GRAND TRUNK WESTERN RAILROAD R/W; TH NELY ALG SD NLY LINE TO WLY LINE OF STEVENSON ST; TH NLY ALG SD WLY LINE TO POB.

Sales Information

Sale Date: 06-03-2020

Sale Price: 6263700
Instrument: CD
Grantor: CITY OF FLINT
Grantee: GENESEE COUNTY
Terms of Sale: 13-GOVERNMENT
Liber/Page: 202006180040409

Sale Date: 03-24-2012

Sale Price: 0
Instrument: QC
Grantor: ECONOMIC DEVELOPMENT CORP/FLINT
Grantee: CITY OF FLINT
Terms of Sale: 13-GOVERNMENT
Liber/Page: 201303040039777

Sale Date: 12-30-2008

Sale Price: 0
Instrument: QC
Grantor: DELPHI AUTOMOTIVE SYS
Grantee: ECONOMIC DEVELOPMENT CORP
Terms of Sale: 33-TO BE DETERMINED
Liber/Page: 200901140002036

Tax History *Total Due as of settlement date

Tax Details 2018 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2018 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.7485	0.00	$0.00
PARAMEDIC SERV	0.4837	0.00	$0.00
AIRPORT AUTH	0.4837	0.00	$0.00
MASS TRANSIT	1.2225	0.00	$0.00
SENIOR CITIZENS	0.6986	0.00	$0.00
HEALTH CARE	0.998	0.00	$0.00
VETERANS	0.0998	0.00	$0.00
MSU EXT	0.0399	0.00	$0.00
ANIMALC	0.1996	0.00	$0.00
CULTURE	0.96	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00

Tax Details 2018 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2018 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.4124	0.00	$0.00
GISD SPEC ED	2.4008	0.00	$0.00
GISD VOC ED	0.96	0.00	$0.00
C S MOTT OPER	1.9847	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.4961	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

Tax Details 2017 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2017 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.75	0.00	$0.00
PARAMEDIC SERV	0.4847	0.00	$0.00
AIRPORT AUTH	0.4847	0.00	$0.00
MASS TRANSIT	1.225	0.00	$0.00
SENIOR CITIZENS	0.7	0.00	$0.00
HEALTH CARE	1	0.00	$0.00
VETERANS	0.1	0.00	$0.00
MSU EXT	0.04	0.00	$0.00
ANIMALC	0.2	0.00	$0.00

Tax Details 2017 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2017 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.4134	0.00	$0.00
GISD SPEC ED	2.4068	0.00	$0.00
GISD VOC ED	0.9624	0.00	$0.00
C S MOTT OPER	1.9896	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.5072	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

Tax Details 2016 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	IV
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2016 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.75	0.00	$0.00
PARAMEDIC SERV	0.4847	0.00	$0.00
AIRPORT AUTH	0.4847	0.00	$0.00
MASS TRANSIT	1.225	0.00	$0.00
SENIOR CITIZENS	0.7	0.00	$0.00
HEALTH CARE	1	0.00	$0.00
VETERANS	0.1	0.00	$0.00
MSU EXT	0.04	0.00	$0.00
ANIMALC	0.2	0.00	$0.00
GISD ALLOCATED	0.25	0.00	$0.00

Tax Details 2016 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	IV
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2016 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.1634	0.00	$0.00
GISD SPEC ED	2.4068	0.00	$0.00
GISD VOC ED	0.9624	0.00	$0.00
C S MOTT OPER	1.9896	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.5072	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

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Genesee County GIS

Parcel Report: 40-13-326-005

11/9/2022
2:26:29 PM



Property Address

GLENWOOD AVE

FLINT, MI, 48504

Owner Address

GENESEE COUNTY

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-326-005
Property Class:	302
Class Name:	--
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	0
Zoning:	A-1

Legal Description

PART OF LOTS 7, 9, 10, 11, 12 AND 13, BLK 1 PLAT OF WEST FLINT AND A CONTIGIOUS PART OF EPHRAIM S. WILLIAMS SUBDIVISION DESC AS: BEG AT THE INTERSEC OF NELY LINE OF CHEVROLET AVE EXT SELY WITH NWLY LINE OF GLENWOOD AVE EXTENDED SWLY; TH N 33 DEG 53' 58" W ALG SD NELY LINE, 184.40 FT; TH N 56 DEG 42' 17" E, 65.30 FT; TH N 75 DEG 09' 53" E, 29.69 FT; TH N 65 DEG 56' 06" E, 67.60 FT; TH N 61 DEG 42' 38" E, 60.43 FT; TH N 60 DEG 54' 10" E, 299.93 FT; TH N 61 DEG 15' 50" E, 207.57 FT; TH N 55 DEG 56' 48" E, 48.28 FT; TH N 50 DEG 01' 12" E, 109.47 FT; TH N 45 DEG 11' 08" E, 88.57 FT; TH N 42 DEG 33' 04" E, 125.24 FT; TH N 31 DEG 13' 59" E, 137.79 FT; TH N 25 DEG 57' 55" E, 194.92 FT; TH N 17 DEG 49' 59" W, 19.47 FT; TH N 30 DEG 01' 49" E, 65.80 FT; TH N 31 DEG 11' 43" W, 25.86 FT; TH N 30 DEG 55' 47" E, 17.96 FT TO THE SLY LINE OF KEARSLEY ST AS ORIGINALLY PLATTED; TH N 60 DEG 15' E ALG SD SLY LINE TO WLY LINE OF ASYLUM ST; TH S 31 DEG 43' 45" E ALG SD WLY LINE TO A PT 80 FT NLY FROM ITS INT WITH NLY LINE OF GLENWOOD AVE; TH S 60 DEG 15' W, 80 FT; TH S 36 DEG 06' 10" E, 22.56 FT; TH S 60 DEG 15' W, 90.26 FT; TH S 29 DEG 24' 18" E, 20 FT; TH S 60 DEG 15' W, 50 FT TO WLY LINE OF SD LOT 7, BLK 1; TH SELY ALG SD WLY LINE TO NLY LINE OF GLENWOOD; TH SWLY ALG SD NLY LINE TO BEG; ALSO THAT PART OF VACATED KEARSLEY ST LYING SWLY OF THE WLY LINE OF ASYLUM ST AND ELY OF ELY ROW LINE OF GRAND TRUNK WESTERN RAILROAD; EXC THAT PART OF SD LOT 13 LYING SWLY OF THE FOLLOWING DESC LINE: COM AT SELY COR OF SD LOT; TH S 55 DEG 37' W, ALG SLY LINE OF SD LOT, 157.52 FT FOR POB; TH ALG A CURVE TO THE RT HAVING A RADIUS OF 25 FT, A CHORD BEARING & DIST OF N 77 DEG 27' 30" W, 36.52 FT; TH N 30 DEG 32' W, 157.69 FT TO POE ON THE SLY LINE OF SD R.R. ROW

Sales Information

Sale Date: 06-03-2020

Sale Price: 6263700
Instrument: CD
Grantor: CITY OF FLINT
Grantee: GENESEE COUNTY
Terms of Sale: 13-GOVERNMENT
Liber/Page: 202006180040409

Sale Date: 03-24-2012

Sale Price: 0
Instrument: QC
Grantor: ECONOMIC DEVELOPMENT CORP/FLINT
Grantee: CITY OF FLINT
Terms of Sale: 13-GOVERNMENT
Liber/Page: 201303040039777

Sale Date: 12-30-2008

Sale Price: 0
Instrument: QC
Grantor: DELPHI AUTOMOTIVE SYS
Grantee: ECONOMIC DEVELOPMENT CORP
Terms of Sale: 33-TO BE DETERMINED
Liber/Page: 200901140002036

Tax History *Total Due as of settlement date

Tax Details 2018 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2018 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.7485	0.00	$0.00
PARAMEDIC SERV	0.4837	0.00	$0.00
AIRPORT AUTH	0.4837	0.00	$0.00
MASS TRANSIT	1.2225	0.00	$0.00
SENIOR CITIZENS	0.6986	0.00	$0.00
HEALTH CARE	0.998	0.00	$0.00
VETERANS	0.0998	0.00	$0.00
MSU EXT	0.0399	0.00	$0.00
ANIMALC	0.1996	0.00	$0.00
CULTURE	0.96	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00

Tax Details 2018 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2018 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.4124	0.00	$0.00
GISD SPEC ED	2.4008	0.00	$0.00
GISD VOC ED	0.96	0.00	$0.00
C S MOTT OPER	1.9847	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.4961	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

Tax Details 2017 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2017 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.75	0.00	$0.00
PARAMEDIC SERV	0.4847	0.00	$0.00
AIRPORT AUTH	0.4847	0.00	$0.00
MASS TRANSIT	1.225	0.00	$0.00
SENIOR CITIZENS	0.7	0.00	$0.00
HEALTH CARE	1	0.00	$0.00
VETERANS	0.1	0.00	$0.00
MSU EXT	0.04	0.00	$0.00
ANIMALC	0.2	0.00	$0.00

Tax Details 2017 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2017 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.4134	0.00	$0.00
GISD SPEC ED	2.4068	0.00	$0.00
GISD VOC ED	0.9624	0.00	$0.00
C S MOTT OPER	1.9896	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.5072	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

Tax Details 2016 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	IV
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2016 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.75	0.00	$0.00
PARAMEDIC SERV	0.4847	0.00	$0.00
AIRPORT AUTH	0.4847	0.00	$0.00
MASS TRANSIT	1.225	0.00	$0.00
SENIOR CITIZENS	0.7	0.00	$0.00
HEALTH CARE	1	0.00	$0.00
VETERANS	0.1	0.00	$0.00
MSU EXT	0.04	0.00	$0.00
ANIMALC	0.2	0.00	$0.00
GISD ALLOCATED	0.25	0.00	$0.00

Tax Details 2016 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	IV
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2016 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.1634	0.00	$0.00
GISD SPEC ED	2.4068	0.00	$0.00
GISD VOC ED	0.9624	0.00	$0.00
C S MOTT OPER	1.9896	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.5072	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

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Genesee County GIS

Parcel Report: 40-13-251-004

11/9/2022
2:27:30 PM



Property Address

307 S STEVENSON ST

FLINT, MI, 48504

Owner Address

GENESEE COUNTY

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-251-004
Property Class:	302
Class Name:	--
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	0
Zoning:	A-1

Legal Description

PART OF BLK C OF MCFARLAN & CO'S COTTAGE GROVE ADDITION & PART OF BLK 1 OF WEST FLINT & PART OF BLKS 1 & 2 OF MCFARLAN'S ADDITION TO WEST FLINT & PART OF SEC 8 PLAT OF SECTIONS 2, 3, 4, 5, 6 AND 8, BEING PART OF THE RESERVE AT NEAR THE GRAND TRAVERSE ON FLINT RIVER DESC AS: BEG AT A PT ON ELY LINE OF STEVENSON ST. 257.97 FT, S 40 DEG 38' 13 SEC E FROM ITS INT WITH SLY LINE OF BLUFF ST; TH N 59 DEG 21' 35 SEC E, 147.73 FT; TH N 89 DEG 46' 17 SEC E, 59.26 FT; TH N 47 DEG 23' 01 SEC E, 168.67 FT; TH N 15 DEG 46' 06 SEC E, 55.23 FT; TH N 14 DEG 11' 26 SEC E, 122.46 FT; TH N 38 DEG 11' 30 SEC E, 118.10 FT; TH N 58 DEG 07' 18 SEC E 124.97 FT; TH S 85 DEG 19' 47 SEC E 14.20 FT; TH N 8 DEG 19' 03 SEC W TO SWLY BANK OF FLINT RIVER; TH SELY ALG SD SWLY BANK TO NLY LINE OF GRAND TRUNK WESTERN RAILROAD R/W; TH WLY ALG SD NLY LINE TO ELY LINE OF STEVENSON ST; TH NLY ALG SD ELY LINE TO BEG.

Sales Information

Sale Date: 06-03-2020

Sale Price: 6263700
Instrument: CD
Grantor: CITY OF FLINT
Grantee: GENESEE COUNTY
Terms of Sale: 13-GOVERNMENT
Liber/Page: 202006180040409

Sale Date: 03-24-2012

Sale Price: 0
Instrument: QC
Grantor: ECONOMIC DEVELOPMENT CORP/FLINT
Grantee: CITY OF FLINT
Terms of Sale: 13-GOVERNMENT
Liber/Page: 201303040039777

Tax History *Total Due as of settlement date

Tax Details 2018 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2018 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.7485	0.00	$0.00
PARAMEDIC SERV	0.4837	0.00	$0.00
AIRPORT AUTH	0.4837	0.00	$0.00
MASS TRANSIT	1.2225	0.00	$0.00
SENIOR CITIZENS	0.6986	0.00	$0.00
HEALTH CARE	0.998	0.00	$0.00
VETERANS	0.0998	0.00	$0.00
MSU EXT	0.0399	0.00	$0.00
ANIMALC	0.1996	0.00	$0.00
CULTURE	0.96	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00

Tax Details 2018 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2018 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.4124	0.00	$0.00
GISD SPEC ED	2.4008	0.00	$0.00
GISD VOC ED	0.96	0.00	$0.00
C S MOTT OPER	1.9847	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.4961	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

Tax Details 2017 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2017 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.75	0.00	$0.00
PARAMEDIC SERV	0.4847	0.00	$0.00
AIRPORT AUTH	0.4847	0.00	$0.00
MASS TRANSIT	1.225	0.00	$0.00
SENIOR CITIZENS	0.7	0.00	$0.00
HEALTH CARE	1	0.00	$0.00
VETERANS	0.1	0.00	$0.00
MSU EXT	0.04	0.00	$0.00
ANIMALC	0.2	0.00	$0.00

Tax Details 2017 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2017 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.4134	0.00	$0.00
GISD SPEC ED	2.4068	0.00	$0.00
GISD VOC ED	0.9624	0.00	$0.00
C S MOTT OPER	1.9896	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.5072	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

Tax Details 2016 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	IV
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2016 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.75	0.00	$0.00
PARAMEDIC SERV	0.4847	0.00	$0.00
AIRPORT AUTH	0.4847	0.00	$0.00
MASS TRANSIT	1.225	0.00	$0.00
SENIOR CITIZENS	0.7	0.00	$0.00
HEALTH CARE	1	0.00	$0.00
VETERANS	0.1	0.00	$0.00
MSU EXT	0.04	0.00	$0.00
ANIMALC	0.2	0.00	$0.00
GISD ALLOCATED	0.25	0.00	$0.00

Tax Details 2016 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	IV
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2016 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.1634	0.00	$0.00
GISD SPEC ED	2.4068	0.00	$0.00
GISD VOC ED	0.9624	0.00	$0.00
C S MOTT OPER	1.9896	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.5072	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

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Genesee County GIS

Parcel Report: 40-13-251-011

11/9/2022
2:28:16 PM



Property Address

300 N CHEVROLET AVE

FLINT, MI, 48504

Owner Address

GENESEE COUNTY

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-251-011
Property Class:	302
Class Name:	--
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	0
Zoning:	A-1

Legal Description

LOTS 7 THRU 11 INCL; ALSO LOTS 13 THRU 15 INCL; ALSO THAT PART OF LOT 6 LYING SLY OF SLY LINE OF GRAND TRUNK WESTERN RAILROAD R/W, BLK 1; ALSO LOTS 5 THRU 10 INCL; ALSO THAT PART OF LOTS 1, 3 & 4 LYING SLY OF SLY LINE OF SD RAILROAD R/W, BLK 4; ALSO LOTS 3 THRU 10 INCL; ALSO THAT PART OF LOTS 1 & 2 LYING SLY OF SLY LINE OF SD RAILROAD R/W, BLK 5; ALSO LOTS 1 THRU 6 INCL, BLK 6; ALSO LOTS 1 THRU 6 INCL, BLK 7; EXC THAT PART OF SD LOTS 8 & 10, BLK 4 & SD LOTS 4, 5 & 6, BLK 7 LYING WLY & SLY OF FOLL DESC LINE: BEG AT A PT ON NLY LINE OF KEARSLEY ST N 60 DEG 51 MIN E, 128.50 FT FROM INT OF SD NLY LINE WITH ELY LINE OF STEVENSON ST; TH S 67 DEG 41 MIN 34 SEC W, 62.95 FT; TH S 60 DEG 51 MIN W, 29.70 FT; TH ON A CURVE TO THE RIGHT HAVING A RADIUS OF 20 FT AND A CENTRAL ANGLE OF 89 DEG 35 MIN ON A CHORD BEARING & DISTANCE OF N 74 DEG 21 MIN 30 SEC W, 28.18 FT; TH N 29 DEG 34 MIN W, 69.76 FT; TH N 36 DEG 24 MIN 34 SEC W, 138.49 FT FOR P.O.E. ALL IN MCFARLAN'S ADDITION TO WEST FLINT; ALSO THAT PART OF BLK 1 OF SD ADDITION AND THAT PART OF SECTION 8, PLAT OF SECTIONS 2, 3, 4, 5 6 & 8 BEING PART OF THE RESERVE AT NEAR THE GRAND TRAVERSE ON FLINT RIVER LYING NLY & WLY OF THE FOLL DESC LINE: BEG AT A PT ON NLY LINE OF KEARSLEY ST WHICH IS S 58 DEG 13 MIN 55 SEC W, 116.05 FT AND S 60 DEG 16 MIN 59 SEC W, 115.86 FT FROM INT OF WLY LINE OF ISLAND ST WITH NLY LINE OF KEARSLEY ST; TH N 35 DEG 48 MIN 55 SEC W 111.08 FT; TH ON A CURVE TO THE RIGHT, HAVING A RADIUS OF 121.81 FT AND AN ARC LENGTH OF 58.83 FT, CHORD BEARING & DISTANCE OF N 21 DEG 58 MIN 48 SEC W, 58.26 FT; TH N 08 DEG 08 MIN 40 SEC W, 175 FT; TH N 02 DEG 13 MIN 35 SEC E, 77.91 FT; TH N 05 DEG 30 MIN 51 SEC E, 15.76 FT; TH N 5 DEG 30 MIN 50 SEC W, 55.99 FT TO SLY LINE OF GRAND TRUNK WESTERN RAILROAD R/W FOR P.O.E.

Sales Information

Sale Date: 06-03-2020

Sale Price: 6263700
Instrument: CD
Grantor: CITY OF FLINT
Grantee: GENESEE COUNTY
Terms of Sale: 13-GOVERNMENT
Liber/Page: 202006180040409

Sale Date: 03-24-2012

Sale Price: 0
Instrument: QC
Grantor: ECONOMIC DEVELOPMENT CORP/FLINT
Grantee: CITY OF FLINT
Terms of Sale: 13-GOVERNMENT
Liber/Page: 201303040039777

Tax History *Total Due as of settlement date

Tax Details 2018 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2018 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.7485	0.00	$0.00
PARAMEDIC SERV	0.4837	0.00	$0.00
AIRPORT AUTH	0.4837	0.00	$0.00
MASS TRANSIT	1.2225	0.00	$0.00
SENIOR CITIZENS	0.6986	0.00	$0.00
HEALTH CARE	0.998	0.00	$0.00
VETERANS	0.0998	0.00	$0.00
MSU EXT	0.0399	0.00	$0.00
ANIMALC	0.1996	0.00	$0.00
CULTURE	0.96	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00

Tax Details 2018 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2018 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.4124	0.00	$0.00
GISD SPEC ED	2.4008	0.00	$0.00
GISD VOC ED	0.96	0.00	$0.00
C S MOTT OPER	1.9847	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.4961	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

Tax Details 2017 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2017 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.75	0.00	$0.00
PARAMEDIC SERV	0.4847	0.00	$0.00
AIRPORT AUTH	0.4847	0.00	$0.00
MASS TRANSIT	1.225	0.00	$0.00
SENIOR CITIZENS	0.7	0.00	$0.00
HEALTH CARE	1	0.00	$0.00
VETERANS	0.1	0.00	$0.00
MSU EXT	0.04	0.00	$0.00
ANIMALC	0.2	0.00	$0.00

Tax Details 2017 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2017 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.4134	0.00	$0.00
GISD SPEC ED	2.4068	0.00	$0.00
GISD VOC ED	0.9624	0.00	$0.00
C S MOTT OPER	1.9896	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.5072	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

Tax Details 2016 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	IV
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2016 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.75	0.00	$0.00
PARAMEDIC SERV	0.4847	0.00	$0.00
AIRPORT AUTH	0.4847	0.00	$0.00
MASS TRANSIT	1.225	0.00	$0.00
SENIOR CITIZENS	0.7	0.00	$0.00
HEALTH CARE	1	0.00	$0.00
VETERANS	0.1	0.00	$0.00
MSU EXT	0.04	0.00	$0.00
ANIMALC	0.2	0.00	$0.00
GISD ALLOCATED	0.25	0.00	$0.00

Tax Details 2016 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	IV
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2016 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.1634	0.00	$0.00
GISD SPEC ED	2.4068	0.00	$0.00
GISD VOC ED	0.9624	0.00	$0.00
C S MOTT OPER	1.9896	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.5072	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

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Genesee County GIS

Parcel Report: 40-13-301-003

11/9/2022
2:22:52 PM



Property Address

N CHEVROLET AVE

FLINT, MI, 48503

Owner Address

GENESEE COUNTY

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-301-003
Property Class:	202
Class Name:	--
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	0
Zoning:	A-1

Legal Description

PART OF THURBER'S ADDITION TO WEST FLINT AND PART UNPLATTED LAND T7N, R6E DESC AS COM AT THE INT OF SELY LINE OF HASSELBRING STREET, AS OCCUPIED, AND SWLY LINE OF CHEVROLET AVE.; TH ALG SD SWLY LINE, S 31 DEG 30 MIN 53 SEC E, 398.51 FT AND S 61 DEG 01 MIN 48 SEC E, 26.74 FT AND S 31 DEG 06 MIN 17 SEC E, 85.02 FT TO POB; TH CONT S 31 DEG 06 MIN 17 SEC E ALG SD SWLY LINE OF CHEVROLET AVE.; 142.87 FT TO THE INT OF SD SWLY LINE AND THE NLY FACE OF AN EXISTING RETAINING WALL; TH S 83 DEG 25 MIN 21 SEC W, ALG SD NLY FACE, 27.47 FT TO AN ANGLE POINT IN SD WALL; TH CONT ALG SD NWLY FACE OF SD WALL, S 59 DEG 46 MIN 45 SEC W, 584.07 FT TO AN ANGLE POINT IN SD WALL; TH S 09 DEG 58 MIN 57 SEC E, ALG WLY FACE OF SD WALL, 31.72 FT TO THE SLY FACE OF AN EXISTING RETAINING WALL; TH ALG SD SLY FACE, ON A CURVE TO THE RIGHT HAVING A RADIUS OF 661.26 FT, AN ARC OF 256.41 FT AND A CHORD BEARING AND DIS- TANCE OF S 72 DEG 28 MIN 20 SEC W, 254.81 FT; TH CONT ALG SD SLY FACE, S 83 DEG 34 MIN 53 SEC W, 90.0 FT TO ELY LINE OF CENTER STREET AS RECORDED IN SD THURBER'S ADDITION TO WEST FLINT; TH N 00 DEG 45 MIN 37 SEC W ALG SD ELY LINE, 90.80 FT TO C. L. OF FLINT RIVER CHANNEL AS SHOWN ON CORPS OF ENGINEERS DRAWING OF SECTION "A" DATED MAY, 1964; TH ALG SD C.L. S 83 DEG 42 MIN 23 SEC W, 81.65 FT AND ON A CURVE TO THE RIGHT HAVING A RADIUS OF 716.20 FT, AN ARC OF 313.25 FT AND A CHORD BEARING AND DISTANCE OF N 83 DEG 45 MIN 49 SEC W, 310.76 FT AND N 71 DEG 14 MIN 01 SEC W, 415.23 FT; TH N 18 DEG 49 MIN 52 SEC E, 91.15 FT TO THE NLY FACE OF AN EXISTING RETAINING WALL; TH ALG SD NLY FACE, S 71 DEG 10 MIN 08 SEC E, 396.77 FT TO AN ANGLE POINT IN SD WALL; TH S 18 DEG 49 MIN 52 SEC W, ALG THE ELY FACE OF SD WALL, 3.0 FT TO AN ANGLE POINT IN SD WALL; TH ALG SD NLY FACE, S 71 DEG 10 MIN 08 SEC E, 30.25 FT AND ON A CURVE TO THE LEFT HAVING A RADIUS OF 566.48 FT, AN ARC OF 246.76 FT AND A CHORD BEARING AND DISTANCE OF S 83 DEG 38 MIN 53 SEC E, 244.82 FT AND N 83 DEG 52 MIN 22 SEC E, 201.35 FT AND ON A CURVE TO THE LEFT HAVING A RADIUS OF 364.08 FT, AN ARC OF 152.45 FT AND A CHORD BEARING AND DISTANCE OF N 71 DEG 52 MIN 37 SEC E, 151.34 FT AND N 59 DEG 52 MIN 52 SEC E, 543.34 FT AND N 56 DEG 13 MIN 58 SEC E, 66.19 FT AND S 71 DEG 31 MIN 48 SEC E, 25.85 FT TO POB; ALSO A PARCEL OF UNPLATTED LAND, T7N, R6E, DESC AS COM AT THE PREVIOUSLY DESCRIBED POB; TH N 31 DEG 06 MIN 17 SEC W ALG SWLY LINE OF CHEVROLET AVE., 28.20 FT; TH N 63 DEG 56 MIN 40 SEC E, 133.35 FT TO THE POB OF THIS DESC, SD POINT ALSO BEING THE DOWNSTREAM LIMIT OF SECTION "B" OF THE FLINT RIVER FLOOD CONTROL PROJECT; TH S 31 DEG 30 MIN 53 SEC E, ALG SD LIMIT, 164.37 FT TO THE NWLY FACE OF AN EXISTING RETAINING WALL; TH S 59 DEG 24 MIN 07 SEC W, ALG SD NWLY FACE, 74.05 FT TO THE INT OF SD NWLY FACE AND NELY LINE OF CHEVROLET AVE.; TH N 31 DEG 05 MIN 21 SEC W, ALG SD NELY LINE, 142.86 FT TO INT OF SD NELY LINE AND THE SLY FACE OF AN EXISTING RETAINING WALL; TH N 42 DEG 55 MIN 46 SEC E, ALG SD SLY FACE, 75.75 FT TO POB.

Sales Information

Sale Date: 06-03-2020

Sale Price: 6263700
Instrument: CD
Grantor: CITY OF FLINT
Grantee: GENESEE COUNTY
Terms of Sale: 13-GOVERNMENT
Liber/Page: 202006180040409

Tax History *Total Due as of settlement date

Tax Details 2018 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	402
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2018 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.7485	0.00	$0.00
PARAMEDIC SERV	0.4837	0.00	$0.00
AIRPORT AUTH	0.4837	0.00	$0.00
MASS TRANSIT	1.2225	0.00	$0.00
SENIOR CITIZENS	0.6986	0.00	$0.00
HEALTH CARE	0.998	0.00	$0.00
VETERANS	0.0998	0.00	$0.00
MSU EXT	0.0399	0.00	$0.00
ANIMALC	0.1996	0.00	$0.00
CULTURE	0.96	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00

Tax Details 2018 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	402
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2018 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.4124	0.00	$0.00
GISD SPEC ED	2.4008	0.00	$0.00
GISD VOC ED	0.96	0.00	$0.00
C S MOTT OPER	1.9847	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.4961	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

Tax Details 2017 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	402
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2017 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.75	0.00	$0.00
PARAMEDIC SERV	0.4847	0.00	$0.00
AIRPORT AUTH	0.4847	0.00	$0.00
MASS TRANSIT	1.225	0.00	$0.00
SENIOR CITIZENS	0.7	0.00	$0.00
HEALTH CARE	1	0.00	$0.00
VETERANS	0.1	0.00	$0.00
MSU EXT	0.04	0.00	$0.00
ANIMALC	0.2	0.00	$0.00

Tax Details 2017 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	402
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2017 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.4134	0.00	$0.00
GISD SPEC ED	2.4068	0.00	$0.00
GISD VOC ED	0.9624	0.00	$0.00
C S MOTT OPER	1.9896	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.5072	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

Tax Details 2016 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	RV
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2016 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.75	0.00	$0.00
PARAMEDIC SERV	0.4847	0.00	$0.00
AIRPORT AUTH	0.4847	0.00	$0.00
MASS TRANSIT	1.225	0.00	$0.00
SENIOR CITIZENS	0.7	0.00	$0.00
HEALTH CARE	1	0.00	$0.00
VETERANS	0.1	0.00	$0.00
MSU EXT	0.04	0.00	$0.00
ANIMALC	0.2	0.00	$0.00
GISD ALLOCATED	0.25	0.00	$0.00

Tax Details 2016 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	RV
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2016 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.1634	0.00	$0.00
GISD SPEC ED	2.4068	0.00	$0.00
GISD VOC ED	0.9624	0.00	$0.00
C S MOTT OPER	1.9896	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.5072	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

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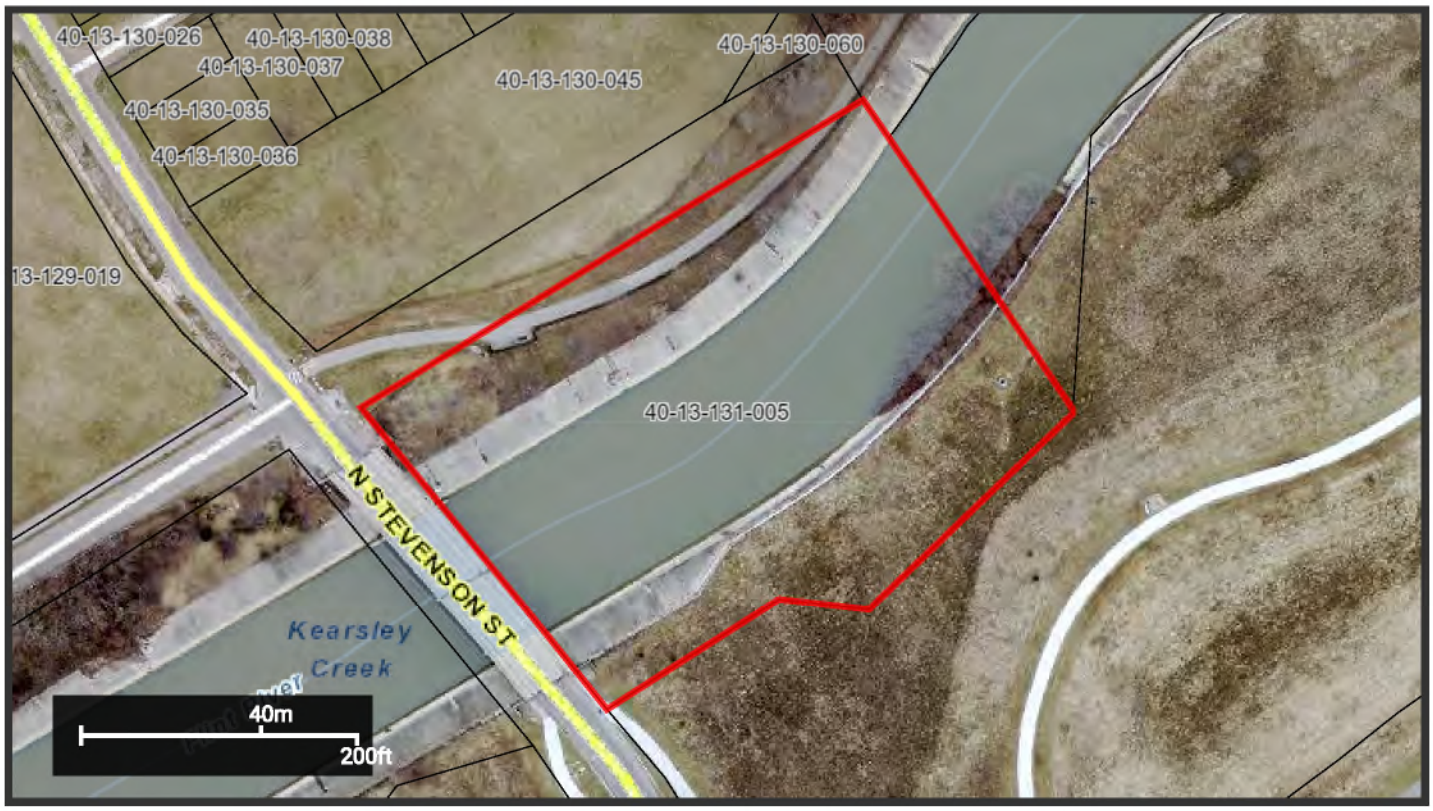
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Genesee County GIS

Parcel Report: 40-13-131-005

11/9/2022
2:31:52 PM



Property Address

S STEVENSON ST

FLINT, MI, 48504

Owner Address

GENESEE COUNTY

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-131-005
Property Class:	202
Class Name:	--
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	0
Zoning:	A-1

Legal Description

LOTS 1 THRU 10 INCL OF BLUFF STREET SUBDIVISION OF PART OF BLOCK C, MCFARLAN & CO'S COTTAGE GROVE ADDITION; ALSO A CONTIG PART OF BLOCK SEC C SEC , PLAT OF MCFARLAN & CO'S COTTAGE GROVE ADDITION AND PART OF BLOCK 1 OF PLAT OF WEST FLINT DESC AS: BEG AT NELY COR OF SD LOT 10; TH S 2 DEG 14' 40 SEC E, 56.43 FT; TH S 20 DEG 10' 02 SEC W, 115.60 FT; TH S 59 DEG 28' 02 SEC W, 291.40 FT TO ELY LINE OF STEVENSON ST; TH S 40 DEG 38' 13 SEC E, 133.12 FT; TH N 59 DEG 21' 35 SEC E, 147.73 FT; TH N 89 DEG 46' 17 SEC E, 59.26 FT; TH N 47 DEG 23' 01 SEC E, 168.67 FT; TH N 15 DEG 46' 06 SEC E, 55.23 FT; TH N 14 DEG 11' 26 SEC E, 122.46 FT; TH N 38 DEG 11' 30 SEC E, 118.10 FT; TH N 58 DEG 07' 18 SEC E, 124.97 FT; TH S 85 DEG 19' 47 SEC E, 14.20 FT; TH N 8 DEG 19' 03 SEC W TO CENTER LINE OF FLINT RIVER; TH WLY ALG SD CENTER LINE TO A LINE BEARING S 30 DEG 42' 28 SEC E FROM BEG; TH N 30 DEG 42' 28 SEC W TO BEG.

Sales Information

Sale Date: 06-03-2020

Sale Price: 6263700
Instrument: CD
Grantor: CITY OF FLINT
Grantee: GENESEE COUNTY
Terms of Sale: 13-GOVERNMENT
Liber/Page: 202006180040409

Tax History *Total Due as of settlement date

Tax Details 2018 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	402
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2018 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.7485	0.00	$0.00
PARAMEDIC SERV	0.4837	0.00	$0.00
AIRPORT AUTH	0.4837	0.00	$0.00
MASS TRANSIT	1.2225	0.00	$0.00
SENIOR CITIZENS	0.6986	0.00	$0.00
HEALTH CARE	0.998	0.00	$0.00
VETERANS	0.0998	0.00	$0.00
MSU EXT	0.0399	0.00	$0.00
ANIMALC	0.1996	0.00	$0.00
CULTURE	0.96	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00

Tax Details 2018 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	402
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2018 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00

FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.4124	0.00	$0.00
GISD SPEC ED	2.4008	0.00	$0.00
GISD VOC ED	0.96	0.00	$0.00
C S MOTT OPER	1.9847	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00
COUNTY OPERATING	5.4961	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

Tax Details 2017 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	402
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2017 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.75	0.00	$0.00
PARAMEDIC SERV	0.4847	0.00	$0.00
AIRPORT AUTH	0.4847	0.00	$0.00
MASS TRANSIT	1.225	0.00	$0.00
SENIOR CITIZENS	0.7	0.00	$0.00
HEALTH CARE	1	0.00	$0.00
VETERANS	0.1	0.00	$0.00
MSU EXT	0.04	0.00	$0.00
ANIMALC	0.2	0.00	$0.00

Tax Details 2017 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	402
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2017 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.4134	0.00	$0.00
GISD SPEC ED	2.4068	0.00	$0.00
GISD VOC ED	0.9624	0.00	$0.00
C S MOTT OPER	1.9896	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.5072	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

Tax Details 2016 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	RV
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2016 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.75	0.00	$0.00
PARAMEDIC SERV	0.4847	0.00	$0.00
AIRPORT AUTH	0.4847	0.00	$0.00
MASS TRANSIT	1.225	0.00	$0.00
SENIOR CITIZENS	0.7	0.00	$0.00
HEALTH CARE	1	0.00	$0.00
VETERANS	0.1	0.00	$0.00
MSU EXT	0.04	0.00	$0.00
ANIMALC	0.2	0.00	$0.00
GISD ALLOCATED	0.25	0.00	$0.00

Tax Details 2016 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	RV
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2016 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.1634	0.00	$0.00
GISD SPEC ED	2.4068	0.00	$0.00
GISD VOC ED	0.9624	0.00	$0.00
C S MOTT OPER	1.9896	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.5072	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

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Genesee County GIS

Parcel Report: 40-13-251-007

11/9/2022
2:30:44 PM



Property Address

W KEARSLEY ST

FLINT, MI, 48504

Owner Address

GENESEE COUNTY

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-251-007
Property Class:	202
Class Name:	--
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	0
Zoning:	A-1

Legal Description

PART OF SECTION 8, PLAT OF SECTIONS 2, 3, 4, 5, 6 AND 8, BEING PART OF THE RESERVE AT AND NEAR THE GRAND TRAVERSE ON THE FLINT RIVER DESC AS: BEG AT A PT ON THE ELY LINE OF ISLAND STREET, WHICH IS N 31 DEG 43' 05 SEC W ALG SD ELY LINE, 291.80 FT (PREVIOUSLY RECORDED AS 292.13 FT) AND N 51 DEG 49' 05 SEC W, 35.0 FT FROM THE INTERSEC OF THE NLY LINE OF KEARSLEY STREET WITH THE ELY LINE OF ISLAND STREET; TH N 3 DEG 35' 52 SEC W, 27.09 FT; TH N 7 DEG 23' 43 SEC W, 33.87 FT; TH N 47 DEG 31' 25 SEC E TO THE C. L. OF THE FLINT RIVER; TH NWLY ALG SD C.L. TO THE SLY LINE OF THE GRAND TRUNK RAILROAD RIGHT-OF-WAY; TH S 58 DEG 22' 55 SEC W ALG SD SLY LINE TO A PT WHICH IS 66.41 FT WLY OF THE INTERSEC OF SD RIGHT-OF-WAY WITH THE ELY LINE OF ISLAND STREET; TH S 5 DEG 30' 50 SEC E, 55.99 FT; TH S 86 DEG 00' 40 SEC E, 162.52 FT; TH N 0 DEG 05' 55 SEC E, 8.07 FT; TH N 3 DEG 35' 52 SEC W, 6.77 FT TO POB.

Sales Information

Sale Date: 06-03-2020

Sale Price: 6263700
Instrument: CD
Grantor: CITY OF FLINT
Grantee: GENESEE COUNTY
Terms of Sale: 13-GOVERNMENT
Liber/Page: 202006180040409

Tax History *Total Due as of settlement date

Tax Details 2018 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	402
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2018 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.7485	0.00	$0.00
PARAMEDIC SERV	0.4837	0.00	$0.00
AIRPORT AUTH	0.4837	0.00	$0.00
MASS TRANSIT	1.2225	0.00	$0.00
SENIOR CITIZENS	0.6986	0.00	$0.00
HEALTH CARE	0.998	0.00	$0.00
VETERANS	0.0998	0.00	$0.00
MSU EXT	0.0399	0.00	$0.00
ANIMALC	0.1996	0.00	$0.00
CULTURE	0.96	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00

Tax Details 2018 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	402
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2018 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00

FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.4124	0.00	$0.00
GISD SPEC ED	2.4008	0.00	$0.00
GISD VOC ED	0.96	0.00	$0.00
C S MOTT OPER	1.9847	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00
COUNTY OPERATING	5.4961	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

Tax Details 2017 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	402
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2017 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.75	0.00	$0.00
PARAMEDIC SERV	0.4847	0.00	$0.00
AIRPORT AUTH	0.4847	0.00	$0.00
MASS TRANSIT	1.225	0.00	$0.00
SENIOR CITIZENS	0.7	0.00	$0.00
HEALTH CARE	1	0.00	$0.00
VETERANS	0.1	0.00	$0.00
MSU EXT	0.04	0.00	$0.00
ANIMALC	0.2	0.00	$0.00

Tax Details 2017 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	402
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2017 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.4134	0.00	$0.00
GISD SPEC ED	2.4068	0.00	$0.00
GISD VOC ED	0.9624	0.00	$0.00
C S MOTT OPER	1.9896	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.5072	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

Tax Details 2016 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	RV
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2016 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.75	0.00	$0.00
PARAMEDIC SERV	0.4847	0.00	$0.00
AIRPORT AUTH	0.4847	0.00	$0.00
MASS TRANSIT	1.225	0.00	$0.00
SENIOR CITIZENS	0.7	0.00	$0.00
HEALTH CARE	1	0.00	$0.00
VETERANS	0.1	0.00	$0.00
MSU EXT	0.04	0.00	$0.00
ANIMALC	0.2	0.00	$0.00
GISD ALLOCATED	0.25	0.00	$0.00

Tax Details 2016 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	RV
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2016 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.1634	0.00	$0.00
GISD SPEC ED	2.4068	0.00	$0.00
GISD VOC ED	0.9624	0.00	$0.00
C S MOTT OPER	1.9896	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.5072	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

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Genesee County GIS

Parcel Report: 40-13-251-010

11/9/2022
2:29:58 PM



Property Address

W KEARSLEY ST

FLINT, MI, 48504

Owner Address

GENESEE COUNTY

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-251-010
Property Class:	202
Class Name:	--
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	0
Zoning:	A-1

Legal Description

PART OF BLOCK 1 WEST FLINT AND PART OF SECTION 8, PLAT OF SECTIONS 2, 3, 4, 5, 6 AND 8 BEING PART OF THE RESERVE AT NEAR THE GRAND TRAVERSE ON FLINT RIVER DESC AS: BEG AT A PT ON NLY LINE OF KEARSLEY ST. WHICH IS S 58 DEG 13 MIN 55 SEC W, 116.05 FT FROM THE INT OF WLY LINE OF ISLAND ST WITH NLY LINE OF KEARSLEY ST.;TH S 60 DEG 16 MIN 59 SEC W, ALG SD NLY LINE, 115.86 FT; TH N 35 DEG 48 MIN 55 SEC W,111.08 FT; TH ON A CURVE TO THE RIGHT HAVING A RADIUS OF 121.81 FT AND AN ARC LENGTH OF 58.83 FT, CHORD BEARING AND DISTANCE OF N 21 DEG 58 MIN 48 SEC W, 58.26 FT; TH N 08 DEG 08 MIN 40 SEC W, 175.00 FT; TH N 02 DEG 13 MIN 35 SEC E, 77.91 FT; TH N 05 DEG 30 MIN 51 SEC E, 15.76 FT; TH S 86 DEG 00 MIN 40 SEC E, 162.52 FT; TH S 2 DEG 25 MIN 30 SEC W, 8.96 FT; TH S 5 DEG 42 MIN 30 SEC W, 12.48 FT; TH S 7 DEG 34 MIN 26 SEC W, 14.53 FT; TH S 7 DEG 34 MIN 26 SEC W, 10.47 FT; TH S 6 DEG 46 MIN 12 SEC W, 25.0 FT; TH S 7 DEG 11 MIN 09 SEC W, 25.0 FT; TH S 6 DEG 42 MIN 04 SEC W, 25.0 FT; TH S 6 DEG 25 MIN 41 SEC W 11.14 FT; TH S 4 DEG 26 MIN 16 SEC W, 10.01 FT; TH S 0 DEG 42 MIN 28 SEC W, 18.04 FT; TH S 4 DEG 25 MIN 09 SEC E, 18.03 FT; TH S 10 DEG 01 MIN 24 SEC E, 18.04 FT; TH S 14 DEG 31 MIN 02 SEC E, 18.00 FT; TH S 20 DEG 07 MIN 06 SEC E, 17.99 FT; TH S 11 DEG 48 MIN 49 SEC W, 10.85 FT; TH S 29 DEG 29 MIN 53 SEC E, 73.0 FT; TH S 29 DEG 20 MIN E, 31.24 FT TO NLY LINE OF KEARSLEY ST.; TH WLY ALG SD NLY LINE TO POB.

Sales Information

Sale Date: 06-03-2020

Sale Price: 6263700
Instrument: CD
Grantor: CITY OF FLINT
Grantee: GENESEE COUNTY
Terms of Sale: 13-GOVERNMENT
Liber/Page: 202006180040409

Tax History *Total Due as of settlement date

Tax Details 2018 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	402
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2018 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.7485	0.00	$0.00
PARAMEDIC SERV	0.4837	0.00	$0.00
AIRPORT AUTH	0.4837	0.00	$0.00
MASS TRANSIT	1.2225	0.00	$0.00
SENIOR CITIZENS	0.6986	0.00	$0.00
HEALTH CARE	0.998	0.00	$0.00
VETERANS	0.0998	0.00	$0.00
MSU EXT	0.0399	0.00	$0.00
ANIMALC	0.1996	0.00	$0.00
CULTURE	0.96	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00

Tax Details 2018 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	402
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2018 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.4124	0.00	$0.00
GISD SPEC ED	2.4008	0.00	$0.00
GISD VOC ED	0.96	0.00	$0.00
C S MOTT OPER	1.9847	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.4961	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

Tax Details 2017 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	402
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2017 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.75	0.00	$0.00
PARAMEDIC SERV	0.4847	0.00	$0.00
AIRPORT AUTH	0.4847	0.00	$0.00
MASS TRANSIT	1.225	0.00	$0.00
SENIOR CITIZENS	0.7	0.00	$0.00
HEALTH CARE	1	0.00	$0.00
VETERANS	0.1	0.00	$0.00
MSU EXT	0.04	0.00	$0.00
ANIMALC	0.2	0.00	$0.00

Tax Details 2017 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	402
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2017 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.4134	0.00	$0.00
GISD SPEC ED	2.4068	0.00	$0.00
GISD VOC ED	0.9624	0.00	$0.00
C S MOTT OPER	1.9896	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.5072	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

Tax Details 2016 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	RV
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2016 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.75	0.00	$0.00
PARAMEDIC SERV	0.4847	0.00	$0.00
AIRPORT AUTH	0.4847	0.00	$0.00
MASS TRANSIT	1.225	0.00	$0.00
SENIOR CITIZENS	0.7	0.00	$0.00
HEALTH CARE	1	0.00	$0.00
VETERANS	0.1	0.00	$0.00
MSU EXT	0.04	0.00	$0.00
ANIMALC	0.2	0.00	$0.00
GISD ALLOCATED	0.25	0.00	$0.00

Tax Details 2016 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	RV
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2016 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.1634	0.00	$0.00
GISD SPEC ED	2.4068	0.00	$0.00
GISD VOC ED	0.9624	0.00	$0.00
C S MOTT OPER	1.9896	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.5072	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

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Genesee County GIS

Parcel Report: 40-13-251-002

11/9/2022
2:29:02 PM



Property Address

W KEARSLEY ST

FLINT, MI, 48503

Owner Address

GENESEE COUNTY PARKS & REC COMMISSI

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-251-002
Property Class:	201
Class Name:	201-COMMERCIAL IMPROVED
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	0.39
Zoning:	--

Legal Description

MCFARLAN'S ADDITION TO WEST FLINT LOT 2 AND THAT PART OF LOTS 1 AND 4 USED AS G T R R R/W, BLK 4

Sales Information

No Records Found

Tax History *Total Due as of settlement date

Tax Details 2018 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$5,300
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2018 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.7485	0.00	$0.00
PARAMEDIC SERV	0.4837	0.00	$0.00
AIRPORT AUTH	0.4837	0.00	$0.00
MASS TRANSIT	1.2225	0.00	$0.00
SENIOR CITIZENS	0.6986	0.00	$0.00
HEALTH CARE	0.998	0.00	$0.00
VETERANS	0.0998	0.00	$0.00
MSU EXT	0.0399	0.00	$0.00
ANIMALC	0.1996	0.00	$0.00
CULTURE	0.96	0.00	$0.00

FLINT DDA OPER	0	0.00	$0.00

Tax Details 2018 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	
Last Payment Date:	
Base Tax:	$70.94
Admin Fees:	$0.00
Interest Fees:	$1.32
Total Tax & Fees:	$72.26
Assessed Value:	$5,300
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2018 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.4124	0.00	$0.00
GISD SPEC ED	2.4008	0.00	$0.00
GISD VOC ED	0.96	0.00	$0.00
C S MOTT OPER	1.9847	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00

FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00
COUNTY OPERATING	5.4961	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00
STREET LIGHT	0	70.94	$0.00

Tax Details 2017 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	
Last Payment Date:	January 31, 2018
Base Tax:	$26.39
Admin Fees:	$0.26
Interest Fees:	$0.00
Total Tax & Fees:	$26.65
Assessed Value:	$5,300
Taxable Value:	$5,300
State Equalized Value:	$5,300
Exemption Percent:	0%
Base Paid:	$26.39
Admin Fees Paid:	$0.26
Interest Fees Paid:	$0
Total Paid:	$26.65

Tax Items 2017 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.75	3.97	$3.97
PARAMEDIC SERV	0.4847	2.56	$2.56
AIRPORT AUTH	0.4847	2.56	$2.56
MASS TRANSIT	1.225	6.49	$6.49
SENIOR CITIZENS	0.7	3.71	$3.71
HEALTH CARE	1	5.30	$5.30
VETERANS	0.1	0.53	$0.53
MSU EXT	0.04	0.21	$0.21

ANIMALC	0.2	1.06	$1.06

Tax Details 2017 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	
Last Payment Date:	August 23, 2017
Base Tax:	$405.87
Admin Fees:	$3.34
Interest Fees:	$0.00
Total Tax & Fees:	$409.21
Assessed Value:	$5,300
Taxable Value:	$5,300
State Equalized Value:	$5,300
Exemption Percent:	0%
Base Paid:	$405.87
Admin Fees Paid:	$3.34
Interest Fees Paid:	$0
Total Paid:	$409.21

Tax Items 2017 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	31.80	$31.80
FL SINKING FUND	4	21.20	$21.20
FLINT SCH OPER	18	95.40	$95.40
GISD ALLOCATED	0.4134	2.19	$2.19
GISD SPEC ED	2.4068	12.75	$12.75
GISD VOC ED	0.9624	5.10	$5.10
C S MOTT OPER	1.9896	10.54	$10.54
CS MOTT DEBT	0.82	4.34	$4.34
FLINT OPERATING	7.5	39.75	$39.75
PUB IMPROVEMENT	2.5	13.25	$13.25
POLICE SERVICES	2	10.60	$10.60
PUBLIC TRANS	0.6	3.18	$3.18
PARKS AND REC	0.5	2.65	$2.65

FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	21.20	$21.20
COUNTY OPERATING	5.5072	29.18	$29.18
PUB SAFETY	6	31.80	$31.80
SCHOOL OPER FC	18	0.00	$0.00
STREET LIGHT	0	70.94	$70.94

Tax Details 2016 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	IV
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2016 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.75	0.00	$0.00
PARAMEDIC SERV	0.4847	0.00	$0.00
AIRPORT AUTH	0.4847	0.00	$0.00
MASS TRANSIT	1.225	0.00	$0.00
SENIOR CITIZENS	0.7	0.00	$0.00
HEALTH CARE	1	0.00	$0.00
VETERANS	0.1	0.00	$0.00
MSU EXT	0.04	0.00	$0.00

ANIMALC	0.2	0.00	$0.00
GISD ALLOCATED	0.25	0.00	$0.00

Tax Details 2016 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	IV
Class Name:	
Last Payment Date:	August 10, 2016
Base Tax:	$70.94
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$70.94
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$70.94
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$70.94

Tax Items 2016 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.1634	0.00	$0.00
GISD SPEC ED	2.4068	0.00	$0.00
GISD VOC ED	0.9624	0.00	$0.00
C S MOTT OPER	1.9896	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00

PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00
COUNTY OPERATING	5.5072	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00
STREET LIGHT	0	70.94	$70.94

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Genesee County GIS

Parcel Report: 40-13-326-006

11/9/2022
2:25:27 PM



Property Address

S CHEVROLET AVE

FLINT, MI, 48504

Owner Address

GENESEE COUNTY PARKS & REC COMMISSI

--

1101 BEACH ST

FLINT, MI 48502

Unit:	54
Unit Name:	CITY OF FLINT

General Information for 2021 Tax Year

Parcel Number:	40-13-326-006
Property Class:	201
Class Name:	201-COMMERCIAL IMPROVED
School Dist Code:	25010
School Dist Name:	FLINT SCHOOLS
PRE 2020:	0%
PRE 2021:	0%

Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2020	$0	$0	$0
2019	$0	$0	$0

Land Information

Acreage:	2.81
Zoning:	G

Legal Description

PART OF LOTS 9 THRU 13 INCL, BLK 1 PLAT OF WEST FLINT AND PART OF LOTS 2 THRU 12 INCL OF EPHRAIM S. WILLIAMS SUBDIVISION DESC AS: BEG AT THE INTERSEC OF THE SLY LINE OF KEARSLEY ST AS ORIGINALLY PLATTED WITH THE ORIGINAL SELY ROW LINE OF GRAND TRUNK WESTERN RR; TH S 30 DEG 55' 47" W, 17.96 FT; TH S 31 DEG 11' 43" E, 25.86 FT TO SELY ROW LINE OF GRAND TRUNK WESTERN RR AS NOW ESTABLISHED; TH S 30 DEG 01' 49" W, 65.80 FT; TH S 17 DEG 49' 59" E, 19.47 FT; TH S 25 DEG 57' 55" W, 194.92 FT; TH S 31 DEG 13' 59" W, 137.79 FT; TH S 42 DEG 33' 04" W, 125.24 FT; TH S 45 DEG 11' 08" W, 88.57 FT; TH S 50 DEG 01' 12" W, 109.47 FT; TH S 55 DEG 56' 48" W, 48.28 FT; TH S 61 DEG 15' 50" W, 207.57 FT; TH S 60 DEG 54' 10" W, 299.93 FT; TH S 61 DEG 42' 38 SEC W, 60.43 FT; TH S 65 DEG 56' 06 SEC W, 67.60 FT; TH S 75 DEG 09' 53 SEC W, 26.86 FT; TH N 56 DEG 36' 28" E, 620.21 FT; TH ALG A CURVE TO THE LEFT HAVING A RADIUS OF 1465.70 FT, A CHORD BEARING & DIST OF N 55 DEG 36' 48" E, 5.61 FT; TH NELY ALG A CURVE TO THE LEFT HAVING A RADIUS OF 1465.70 FT, A CHORD BEARING & DIST OF N 48 DEG 07' 48" E, 376.20 FT; TH ALG A CURVE TO THE LEFT HAVING A RADIUS OF 789.74 FT, A CHORD BEARING & DIST OF N 31 DEG 46' 35" E, 79.73 FT; TH ALG A CURVE TO THE LEFT HAVING A RADIUS OF 1687.59 FT, A CHORD BEARING & DIST OF N 25 DEG 40' 04" E, 189.30 FT; TH N 4 DEG 52' 22" E, 69.17 FT; TH NELY TO BEG; ALSO COM AT THE INTERSEC OF THE NELY LINE OF CHEVROLET AVE EXT SELY WITH THE NWLY LINE OF GLENWOOD AVE EXT SWLY; TH N 33 DEG 53' 58" W ALG SD NELY LINE 184.40 FT FOR POB; TH N 56 DEG 42' 17" E, 65.30 FT; TH N 75 DEG 09' 53" E, 2.83 FT; TH N 56 DEG 36' 28" E, 620.21 FT; TH S 58 DEG 05' 06" W, 209.30 FT; TH S 79 DEG 40' 49" W, 51.62 FT; TH S 58 DEG 05' 06" W, 288 FT; TH N 31 DEG 54' 54" W, 6.0 FT; TH S 58 DEG 05' 06" W, 146.50 FT TO NELY LINE OF CHEVROLET AVE; TH SLY TO BEG

Sales Information

No Records Found

Tax History *Total Due as of settlement date

Tax Details 2018 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$16,100
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2018 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.7485	0.00	$0.00
PARAMEDIC SERV	0.4837	0.00	$0.00
AIRPORT AUTH	0.4837	0.00	$0.00
MASS TRANSIT	1.2225	0.00	$0.00
SENIOR CITIZENS	0.6986	0.00	$0.00
HEALTH CARE	0.998	0.00	$0.00
VETERANS	0.0998	0.00	$0.00
MSU EXT	0.0399	0.00	$0.00
ANIMALC	0.1996	0.00	$0.00
CULTURE	0.96	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00

Tax Details 2018 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	
Last Payment Date:	
Base Tax:	$70.94
Admin Fees:	$0.00
Interest Fees:	$1.32
Total Tax & Fees:	$72.26
Assessed Value:	$16,100
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2018 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00

FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.4124	0.00	$0.00
GISD SPEC ED	2.4008	0.00	$0.00
GISD VOC ED	0.96	0.00	$0.00
C S MOTT OPER	1.9847	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00
COUNTY OPERATING	5.4961	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00
STREET LIGHT	0	70.94	$0.00

Tax Details 2017 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	

Last Payment Date:	January 31, 2018

Base Tax:	$80.23
Admin Fees:	$0.80
Interest Fees:	$0.00
Total Tax & Fees:	$81.03
Assessed Value:	$16,100
Taxable Value:	$16,100
State Equalized Value:	$16,100
Exemption Percent:	0%

Base Paid:	$80.23
Admin Fees Paid:	$0.80
Interest Fees Paid:	$0
Total Paid:	$81.03

Tax Items 2017 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.75	12.07	$12.07
PARAMEDIC SERV	0.4847	7.80	$7.80
AIRPORT AUTH	0.4847	7.80	$7.80
MASS TRANSIT	1.225	19.72	$19.72
SENIOR CITIZENS	0.7	11.27	$11.27
HEALTH CARE	1	16.10	$16.10
VETERANS	0.1	1.61	$1.61
MSU EXT	0.04	0.64	$0.64
ANIMALC	0.2	3.22	$3.22

Tax Details 2017 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	302
Class Name:	

Last Payment Date:	August 23, 2017

Base Tax:	$1,017.48
Admin Fees:	$10.17
Interest Fees:	$0.00
Total Tax & Fees:	$1,027.65
Assessed Value:	$16,100
Taxable Value:	$16,100
State Equalized Value:	$16,100
Exemption Percent:	0%

Base Paid:	$1,017.48
Admin Fees Paid:	$10.17
Interest Fees Paid:	$0
Total Paid:	$1,027.65

Tax Items 2017 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	96.60	$96.60
FL SINKING FUND	4	64.40	$64.40
FLINT SCH OPER	18	289.80	$289.80
GISD ALLOCATED	0.4134	6.65	$6.65
GISD SPEC ED	2.4068	38.74	$38.74
GISD VOC ED	0.9624	15.49	$15.49
C S MOTT OPER	1.9896	32.03	$32.03
CS MOTT DEBT	0.82	13.20	$13.20
FLINT OPERATING	7.5	120.75	$120.75
PUB IMPROVEMENT	2.5	40.25	$40.25
POLICE SERVICES	2	32.20	$32.20
PUBLIC TRANS	0.6	9.66	$9.66
PARKS AND REC	0.5	8.05	$8.05
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	64.40	$64.40

COUNTY OPERATING	5.5072	88.66	$88.66
PUB SAFETY	6	96.60	$96.60
SCHOOL OPER FC	18	0.00	$0.00

Tax Details 2016 Winter

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	IV
Class Name:	
Last Payment Date:	
Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%
Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2016 Winter

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
COUNTY PARKS	0.75	0.00	$0.00
PARAMEDIC SERV	0.4847	0.00	$0.00
AIRPORT AUTH	0.4847	0.00	$0.00
MASS TRANSIT	1.225	0.00	$0.00
SENIOR CITIZENS	0.7	0.00	$0.00
HEALTH CARE	1	0.00	$0.00
VETERANS	0.1	0.00	$0.00
MSU EXT	0.04	0.00	$0.00
ANIMALC	0.2	0.00	$0.00
GISD ALLOCATED	0.25	0.00	$0.00

Tax Details 2016 Summer

School Dist. Code:	25010
School Dist. Name:	FLINT SCHOOLS
Property Class:	IV
Class Name:	

Last Payment Date:	

Base Tax:	$0.00
Admin Fees:	$0.00
Interest Fees:	$0.00
Total Tax & Fees:	$0.00
Assessed Value:	$0
Taxable Value:	$0
State Equalized Value:	$0
Exemption Percent:	0%

Base Paid:	$0.00
Admin Fees Paid:	$0.00
Interest Fees Paid:	$0
Total Paid:	$0.00

Tax Items 2016 Summer

Tax Source	Millage Rate	Tax Amt.	Base Amt. Paid
MICH ED TAX	6	0.00	$0.00
FL SINKING FUND	4	0.00	$0.00
FLINT SCH OPER	18	0.00	$0.00
GISD ALLOCATED	0.1634	0.00	$0.00
GISD SPEC ED	2.4068	0.00	$0.00
GISD VOC ED	0.9624	0.00	$0.00
C S MOTT OPER	1.9896	0.00	$0.00
CS MOTT DEBT	0.82	0.00	$0.00
FLINT OPERATING	7.5	0.00	$0.00
PUB IMPROVEMENT	2.5	0.00	$0.00
POLICE SERVICES	2	0.00	$0.00
PUBLIC TRANS	0.6	0.00	$0.00
PARKS AND REC	0.5	0.00	$0.00
FLINT DDA OPER	0	0.00	$0.00
FLINT PUB LIB	4	0.00	$0.00

COUNTY OPERATING	5.5072	0.00	$0.00
PUB SAFETY	6	0.00	$0.00
SCHOOL OPER FC	18	0.00	$0.00

Application Use and Disclaimer

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Appendix B

Reconnaissance Photographs



TYPICAL VIEW OF SUBJECT PROPERTY – FACING NORTHEAST



VIEW OF PARCEL A - FACING WEST

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RECONNAISSANCE PHOTOGRAPHS

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DATE: 12/6/2022

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VIEW OF PARCEL A - FACING NORTH



VIEW OF PARCEL B – FACING EAST

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VIEW OF PARCEL B - FACING SOUTHWEST



VIEW OF PARCEL C - FACING EAST

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VIEW OF PARCEL C - FACING WEST



VIEW OF PARCEL D - FACING EAST

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VIEW OF PARCEL E - FACING WEST



VIEW OF PARCEL E - FACING WEST

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VIEW OF PARCEL E - FACING EAST



VIEW OF PARCEL F - FACING WEST

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VIEW OF PARCEL G - FACING EAST



VIEW OF PARCEL H - FACING SOUTH

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VIEW OF PARCEL I - FACING NORTH



VIEW OF PARCEL J - FACING WEST

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VIEW OF PARCEL K - FACING SOUTHWEST



VIEW OF MONITORING WELLS LOCATED ON PARCEL A

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VIEW OF MONITORING WELL LOCATED ON PARCEL B



VIEW OF MONITORING WELL LOCATED ON PARCEL C

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VIEW OF MONITORING WELL LOCATED ON PARCEL E



A CONCRETE PAD LOCATED ON THE NORTHERN PORTION OF PARCEL A

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NORTHERN ADJOINING PROPERTIES



NORTHERN ADJOINING PROPERTIES

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NORTHERN ADJOINING PROPERTIES



EASTERN ADJOINING PROPERTY

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EASTERN ADJOINING PROPERTIES



SOUTHERN ADJOINING PROPERTIES

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SOUTHERN ADJOINING PROPERTIES



SOUTHERN ADJOINING PROPERTIES

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SOUTHERN ADJOINING PROPERTIES



WESTERN ADJOINING PROPERTIES

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