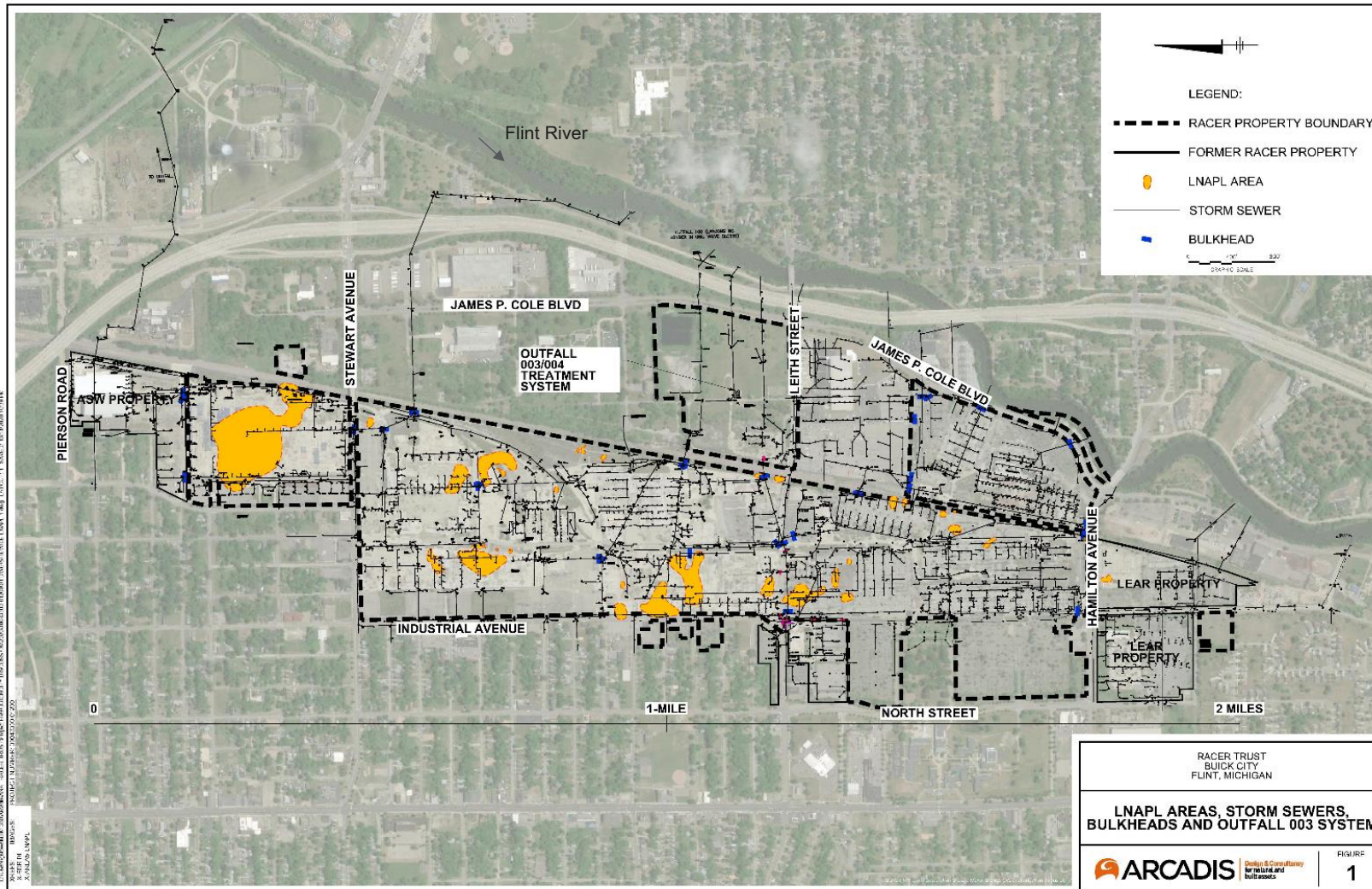
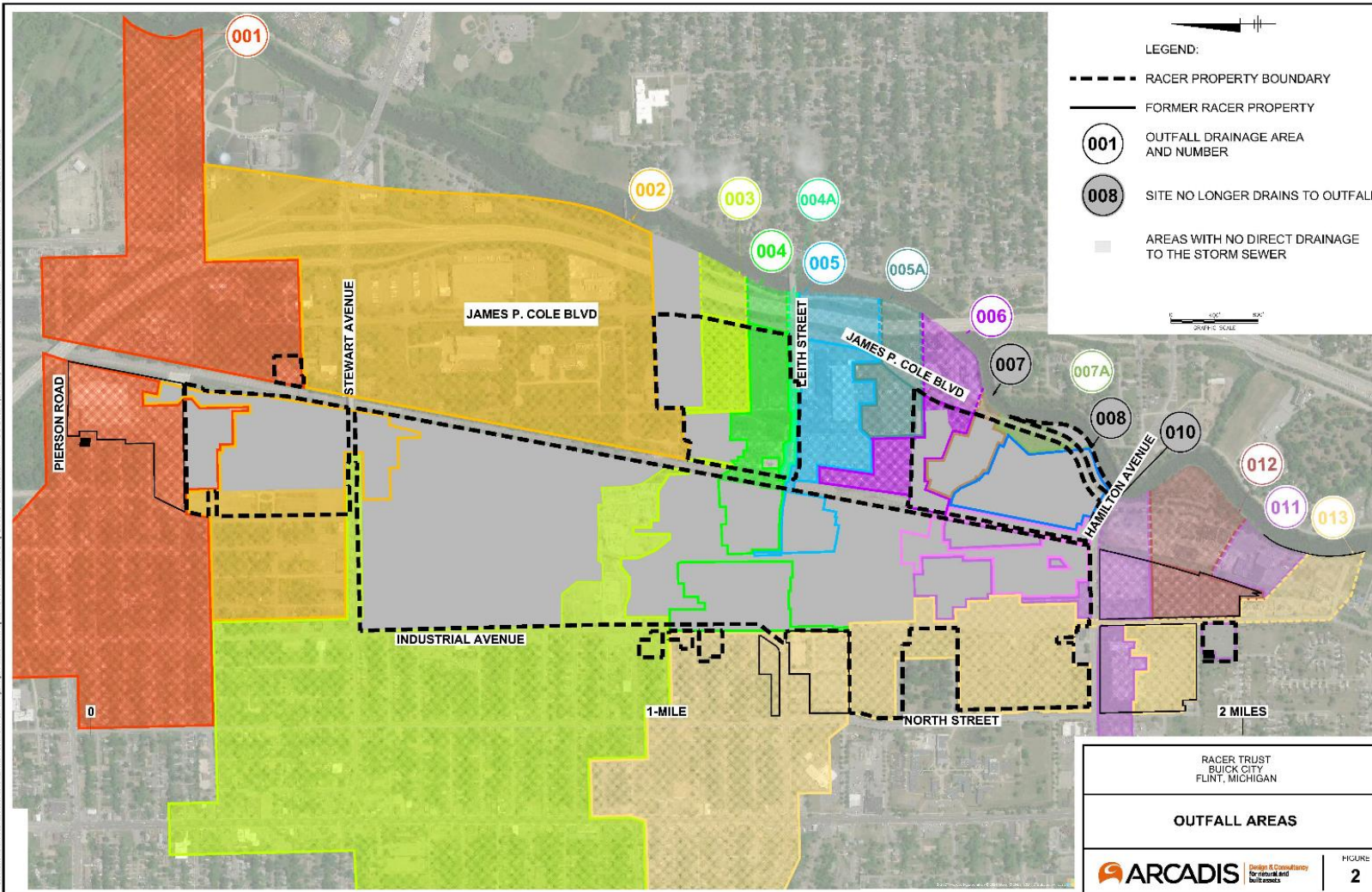


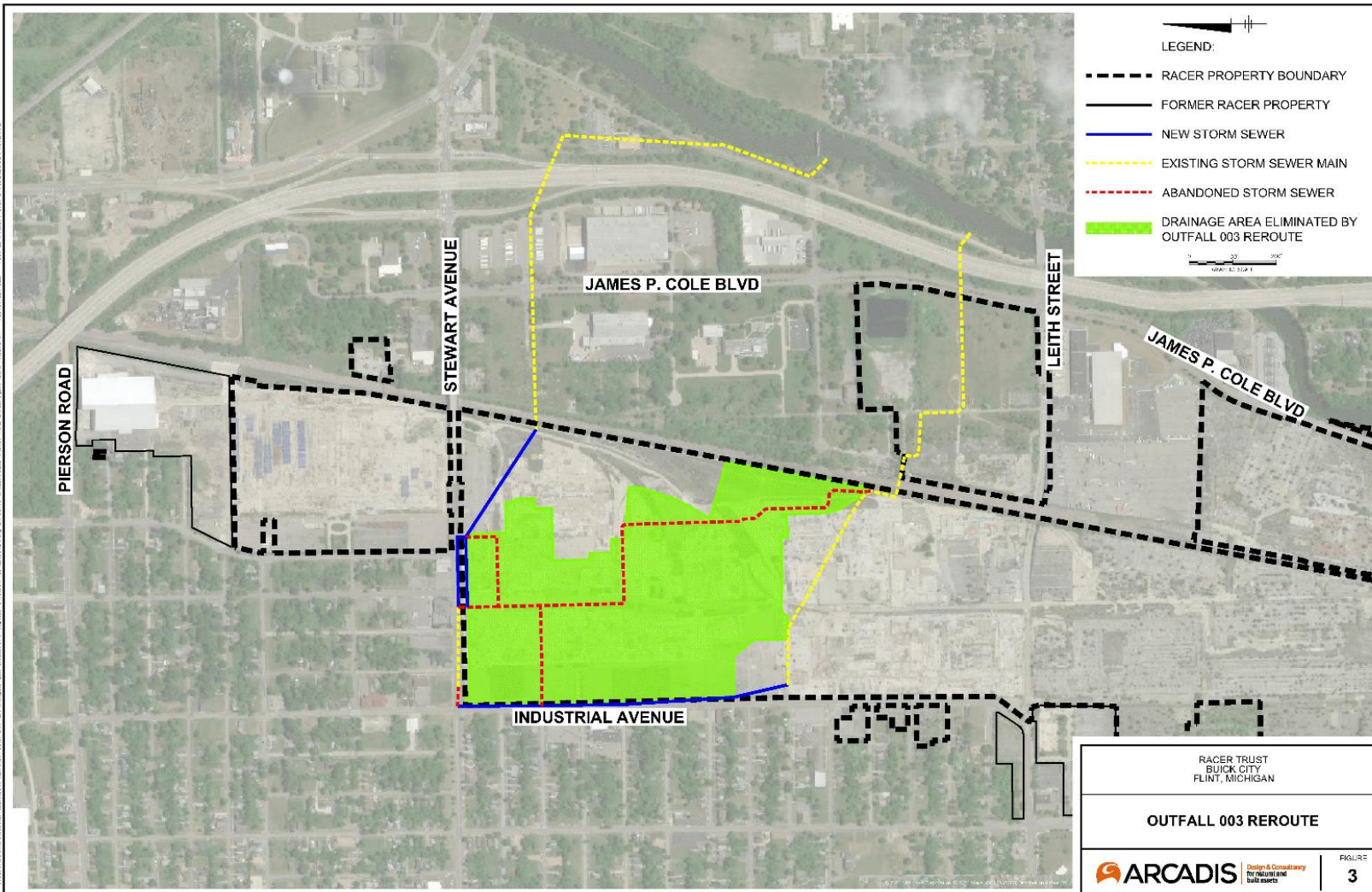
BUICK CITY SITE PUBLIC MEETING

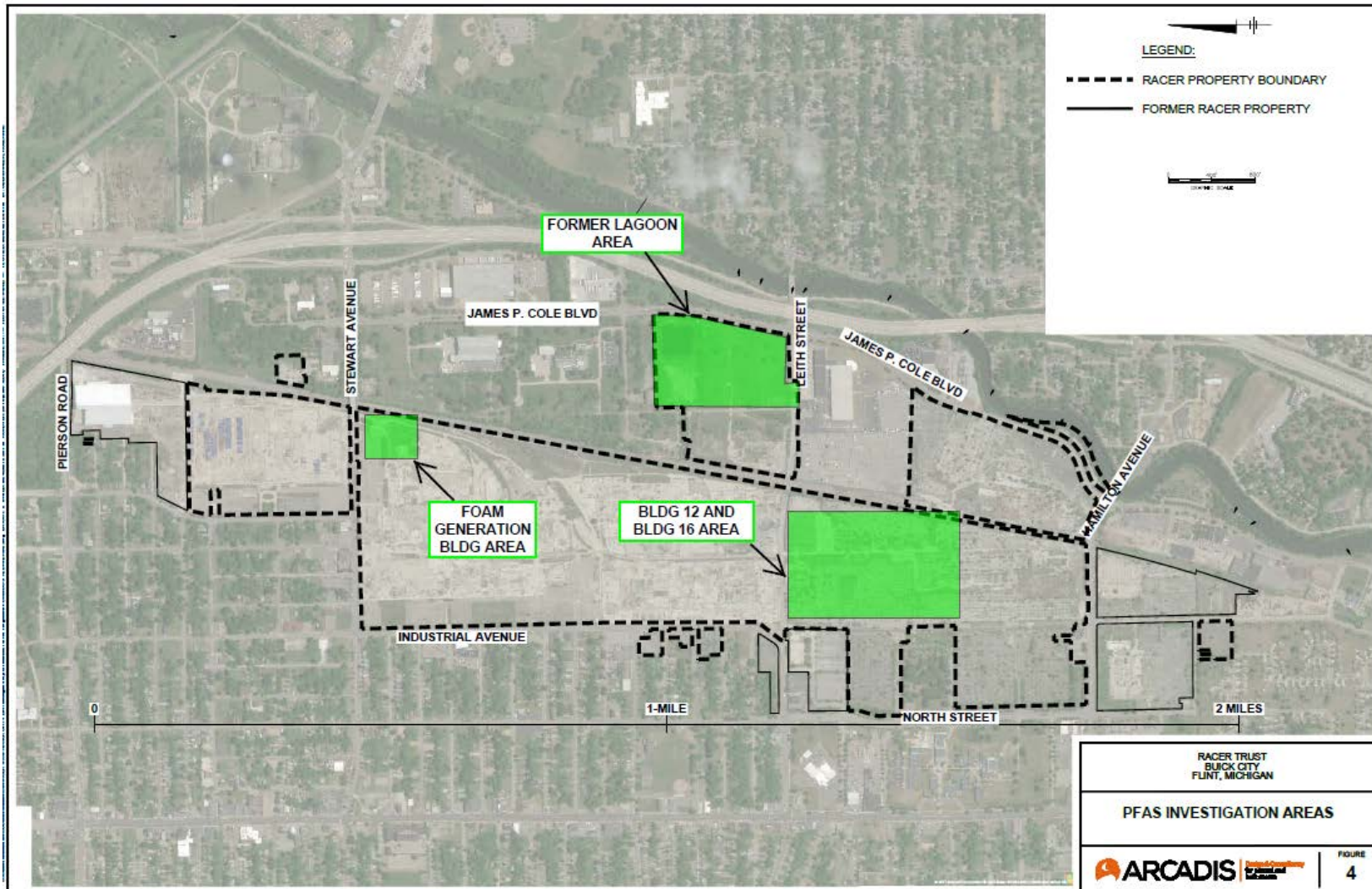
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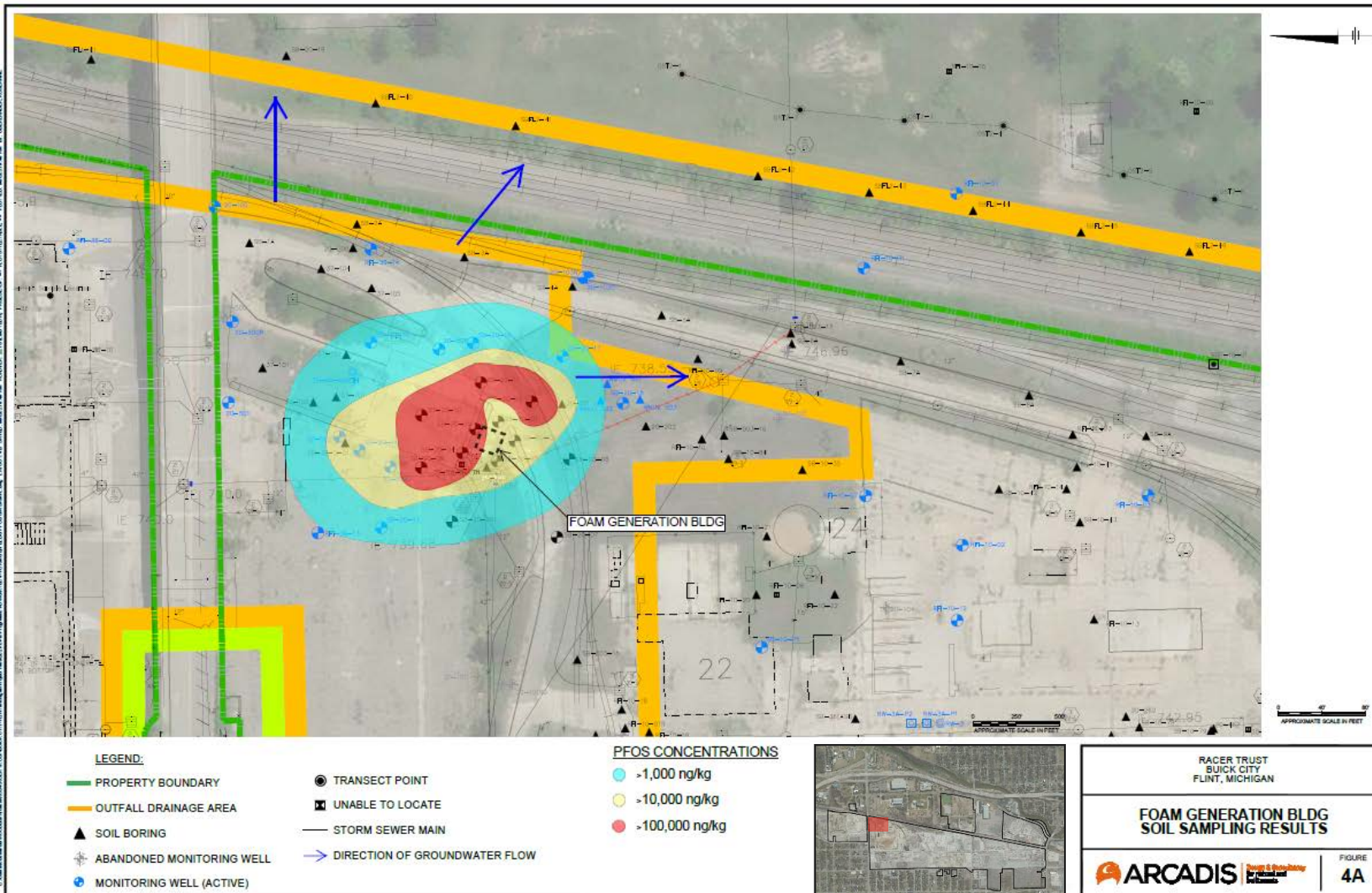
October 21, 2021



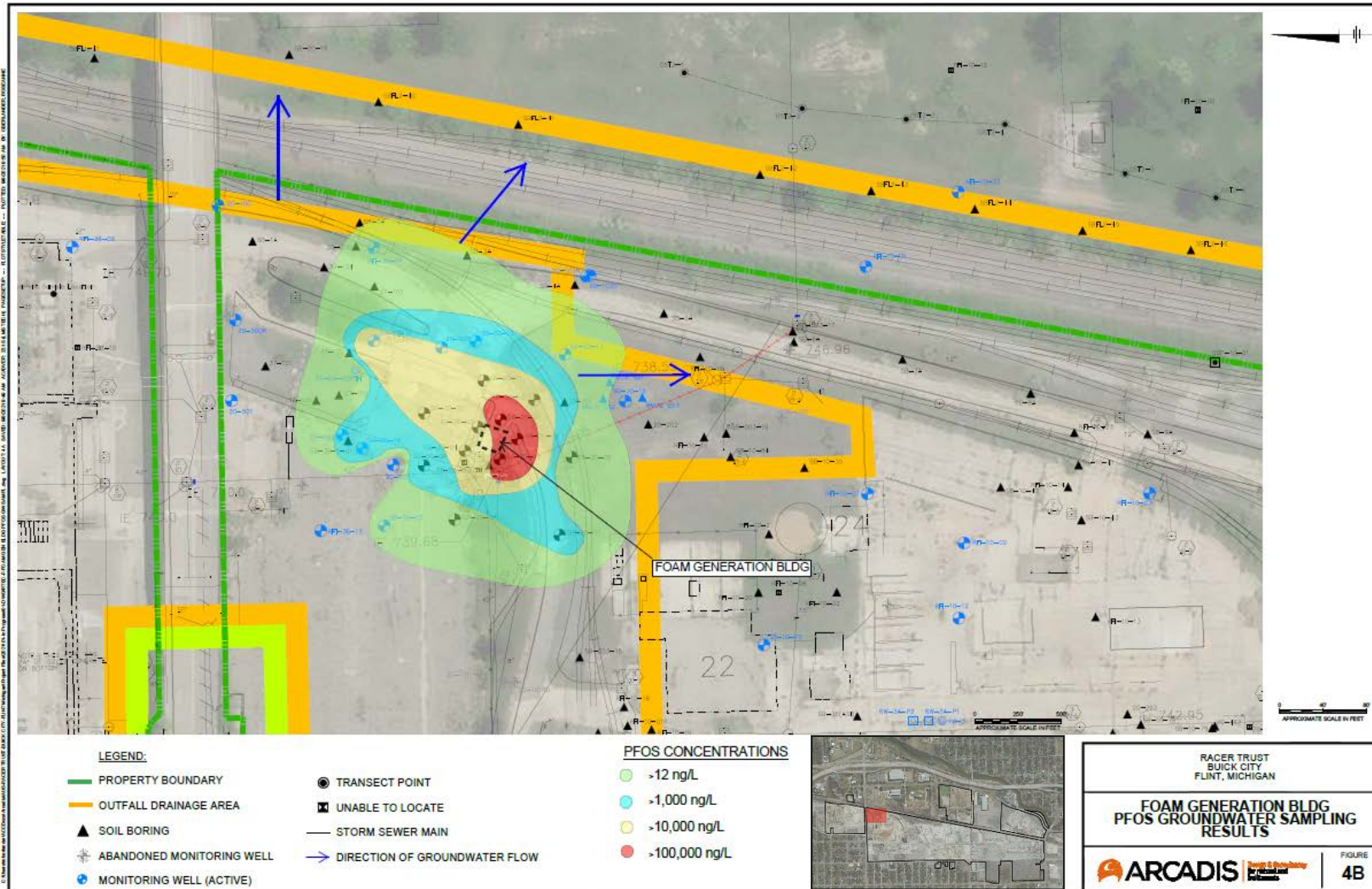




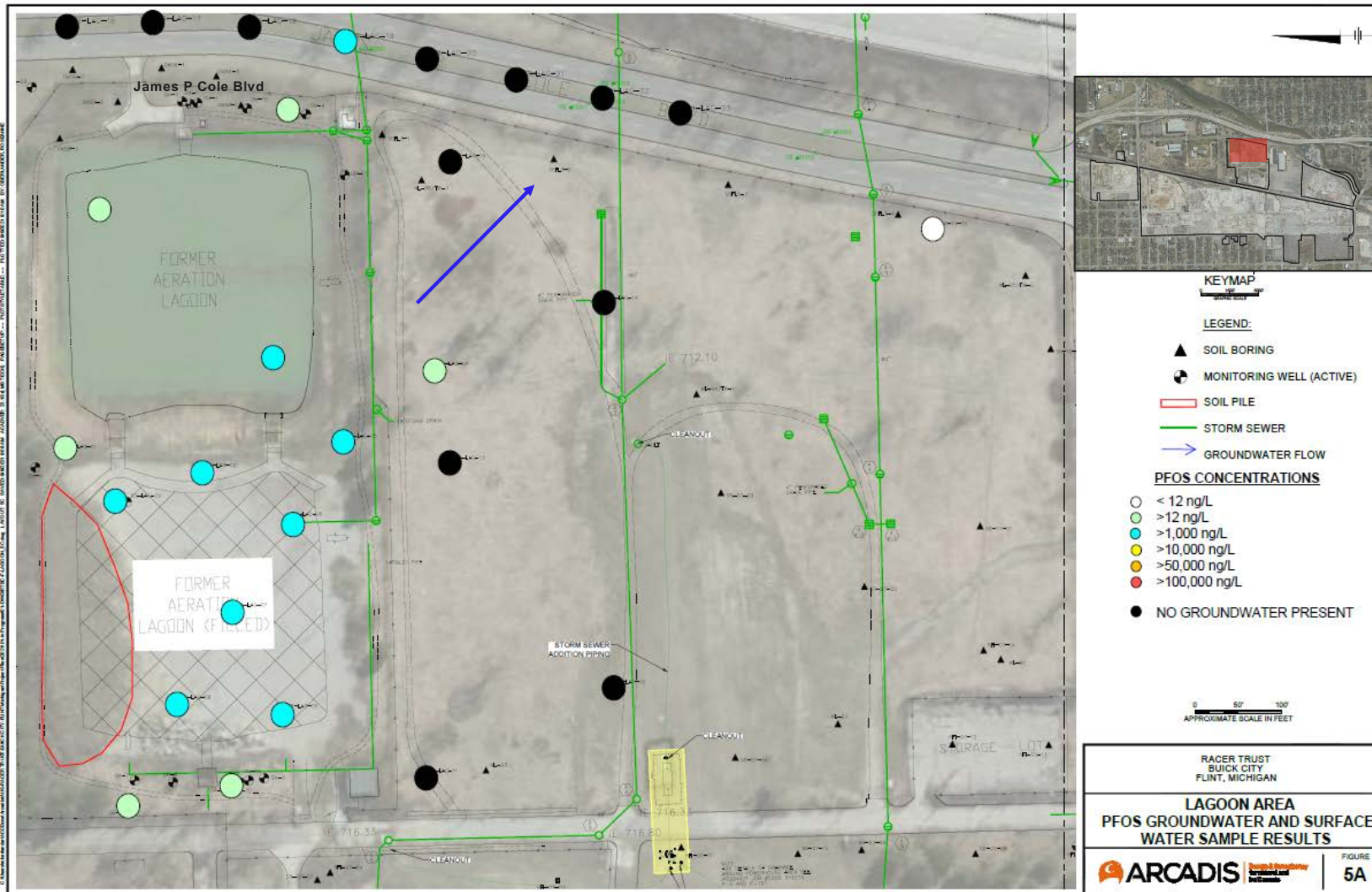




22 October 2021

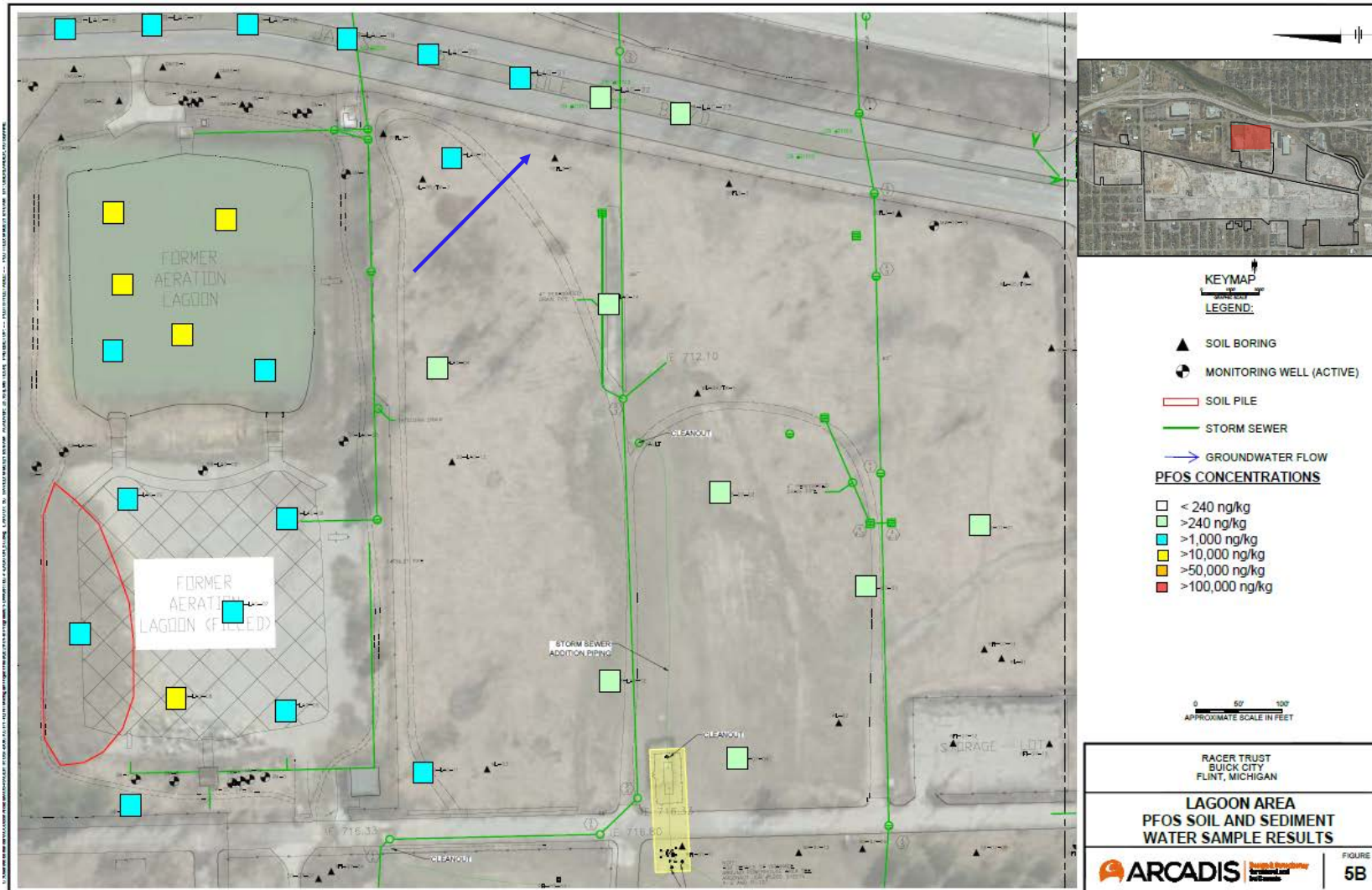


22 October 2021



22 October 2021

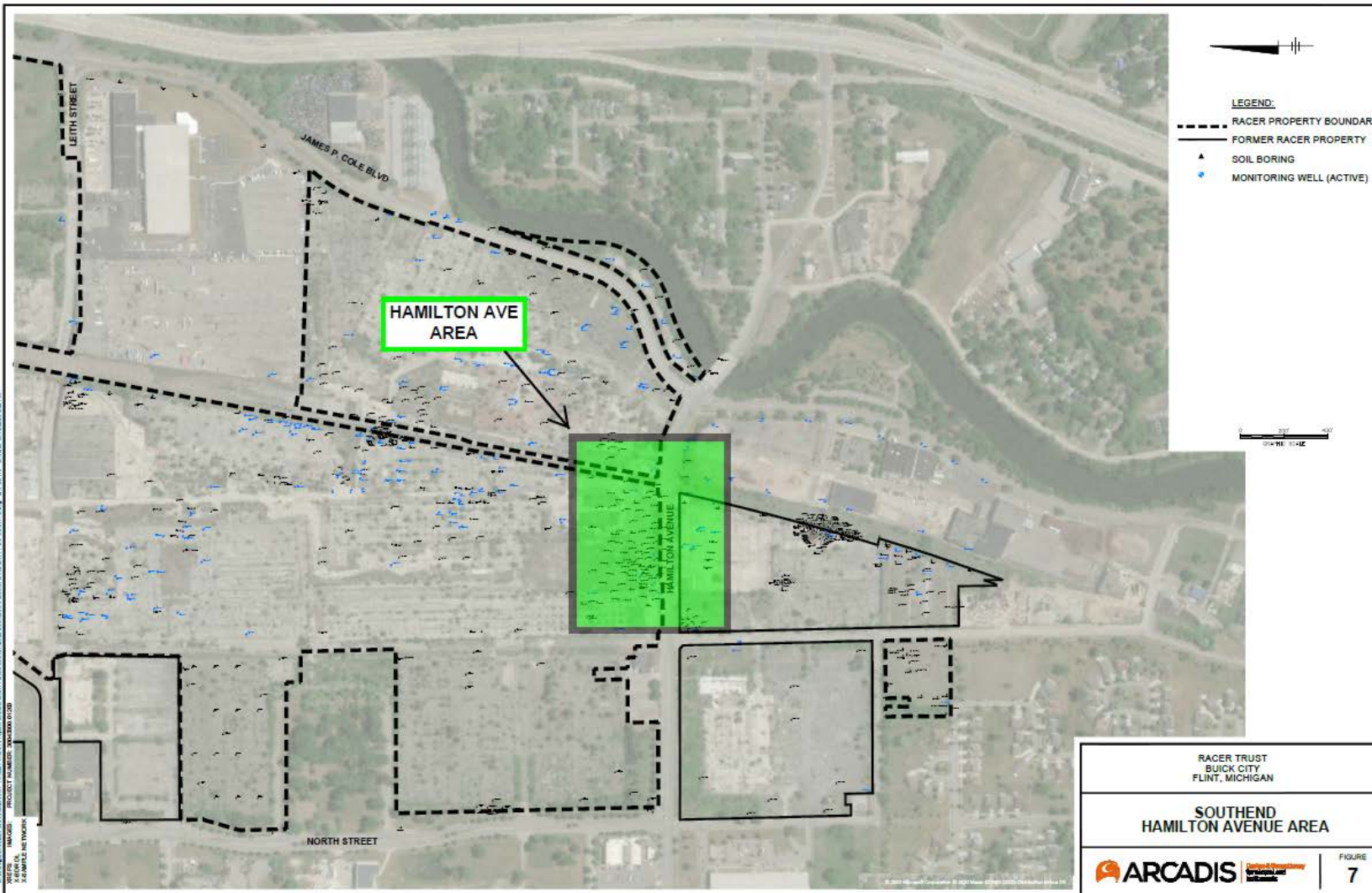
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22 October 2021





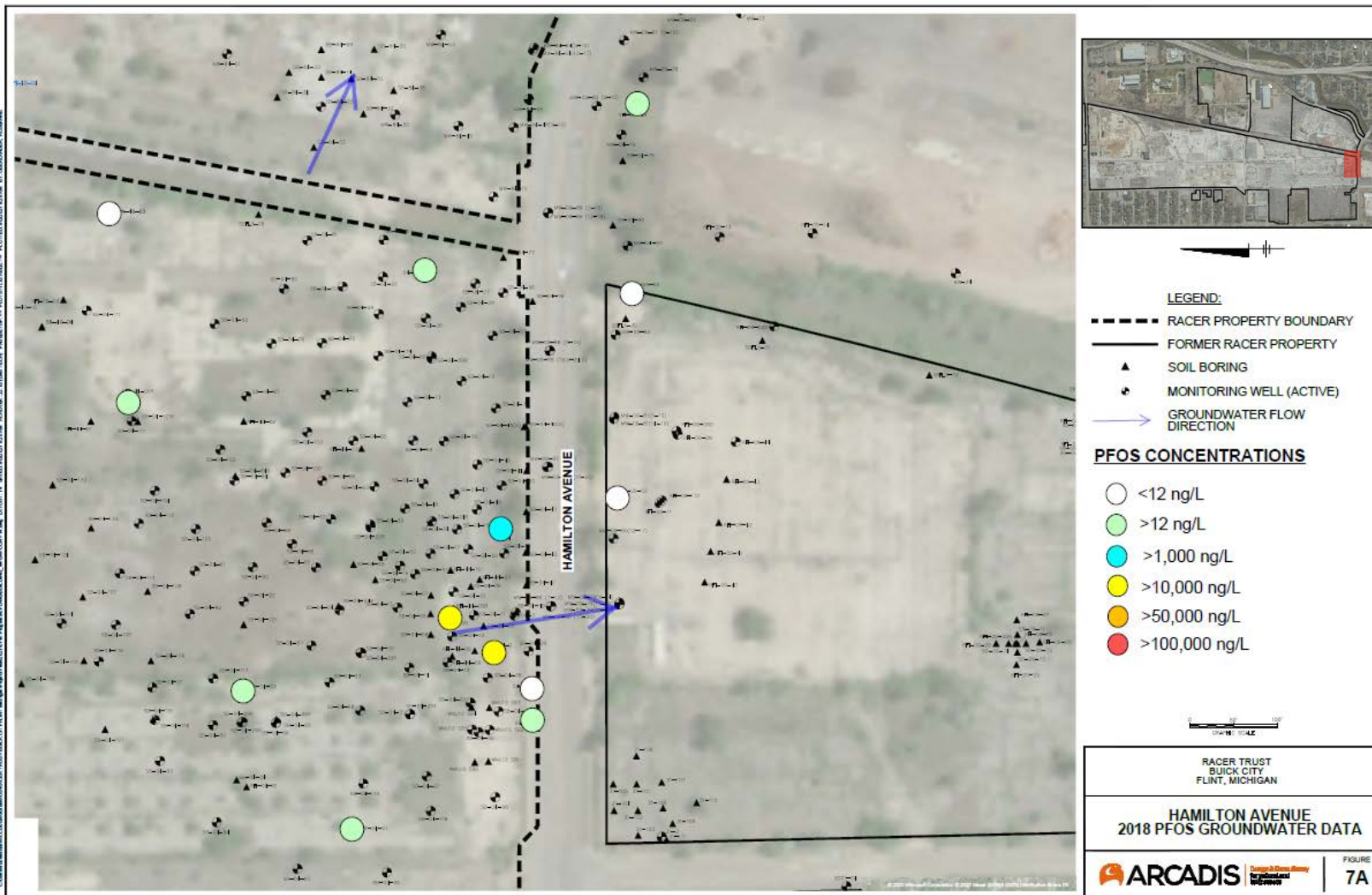


22 October 2021

12

Hamilton Ave Area

2018 PFOS Groundwater Data

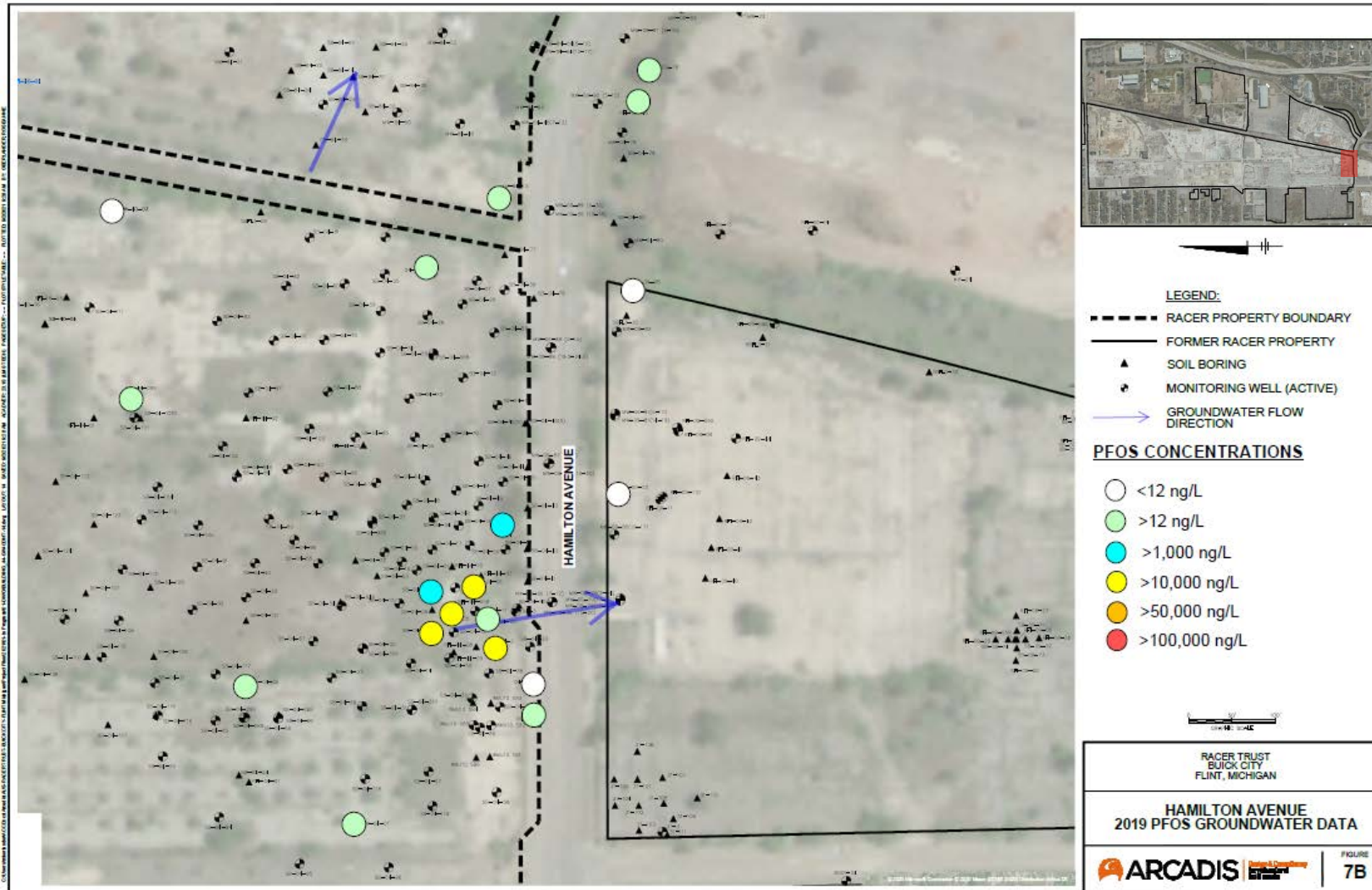


22 October 2021

13

Hamilton Ave Area

2019 PFOS Groundwater Data

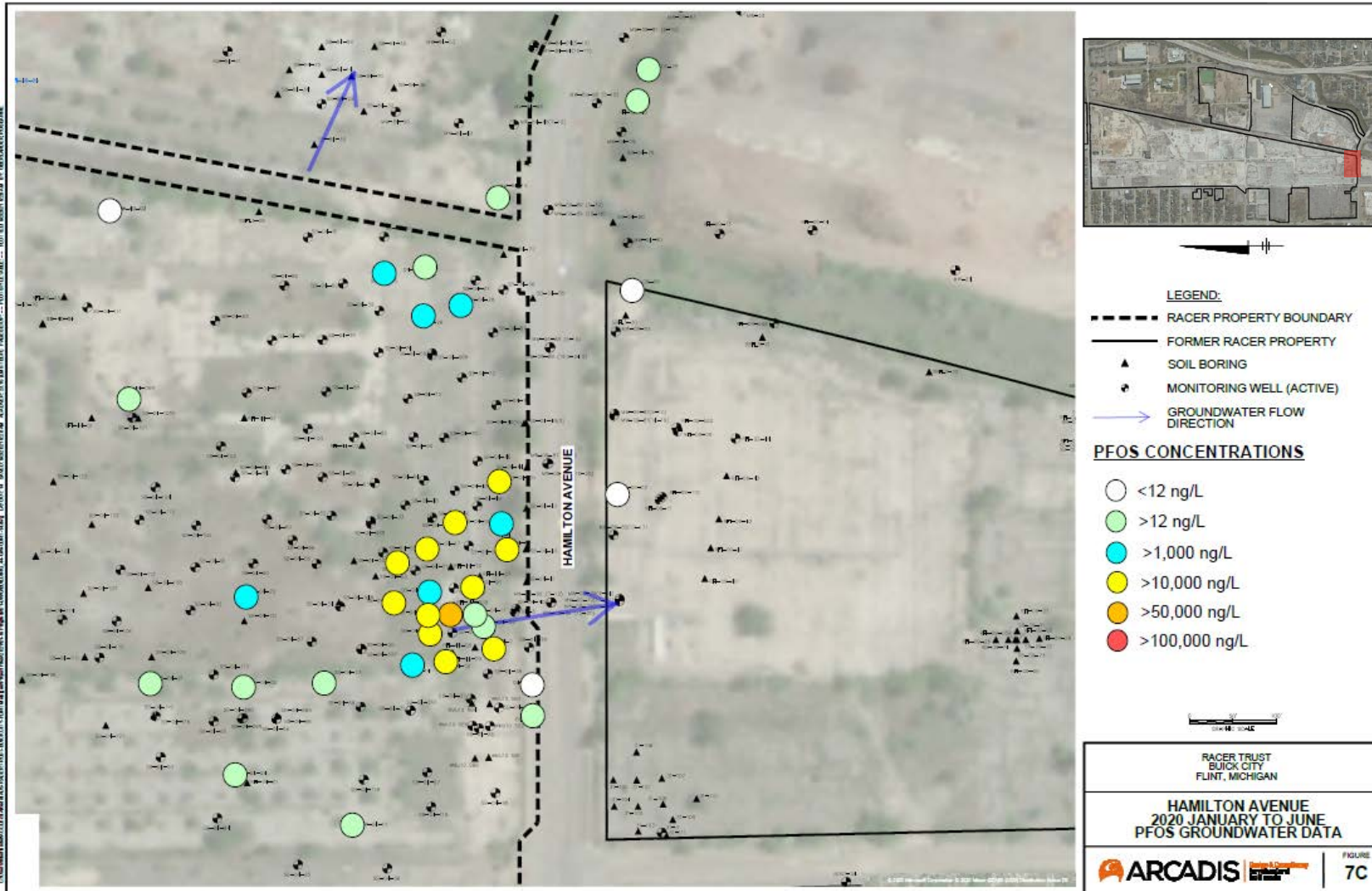


22 October 2021

14

Hamilton Ave Area

January – June 2020 PFOS Groundwater Data

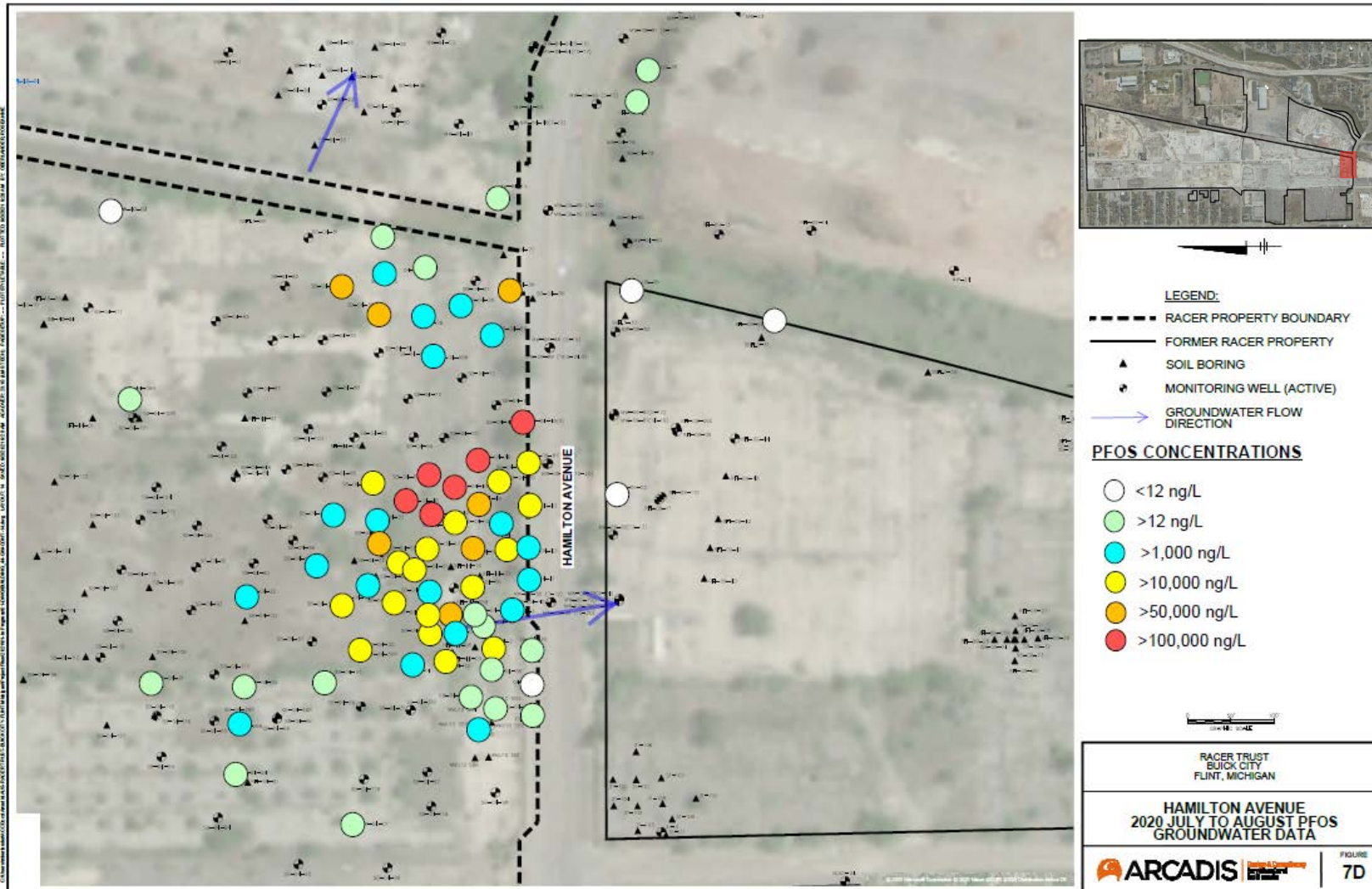


22 October 2021

15

Hamilton Ave Area

July – August 2020 PFOS Groundwater Data

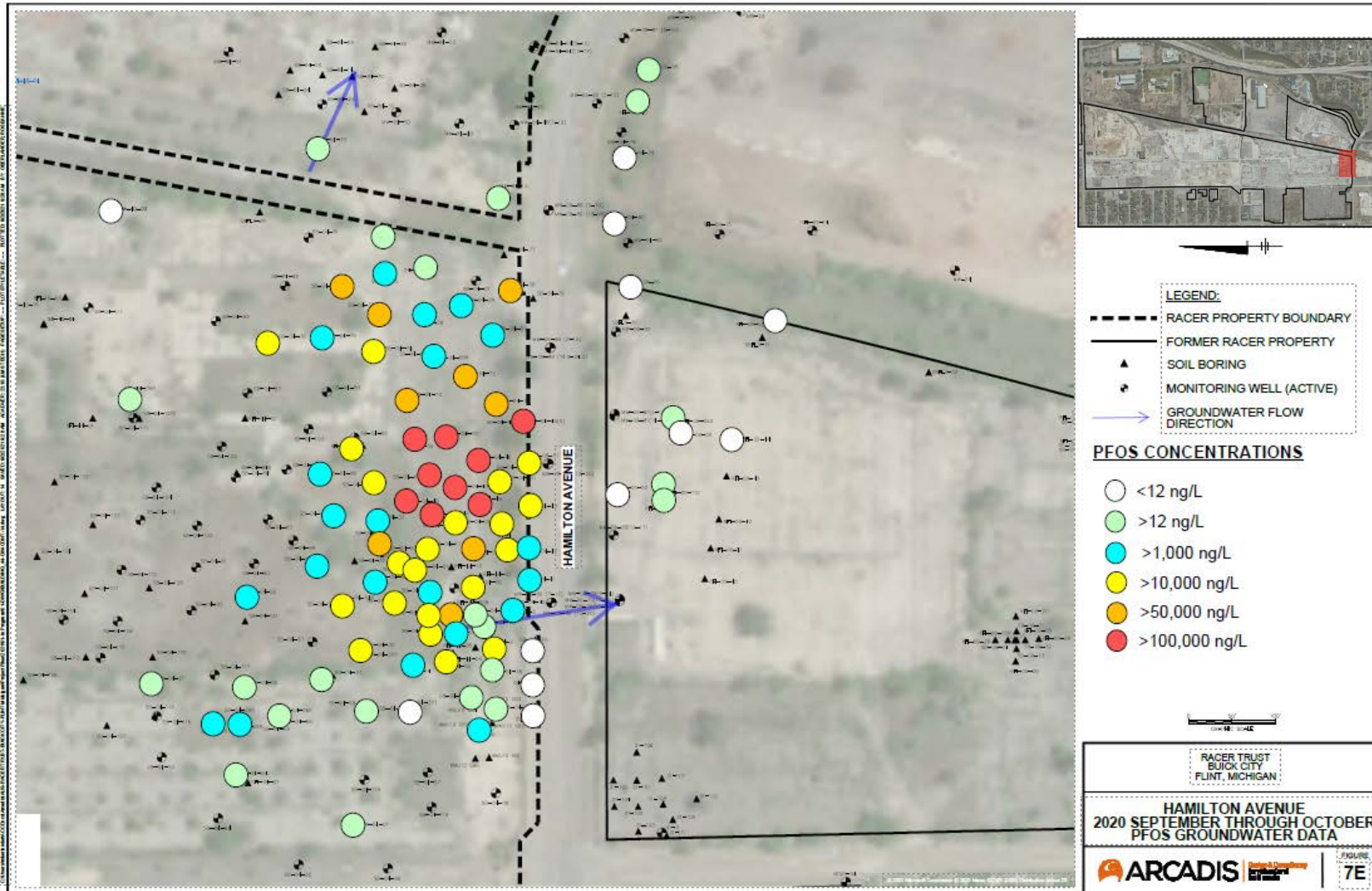


22 October 2021

16

Hamilton Ave Area

**September – October
2020
PFOS Groundwater
Data**

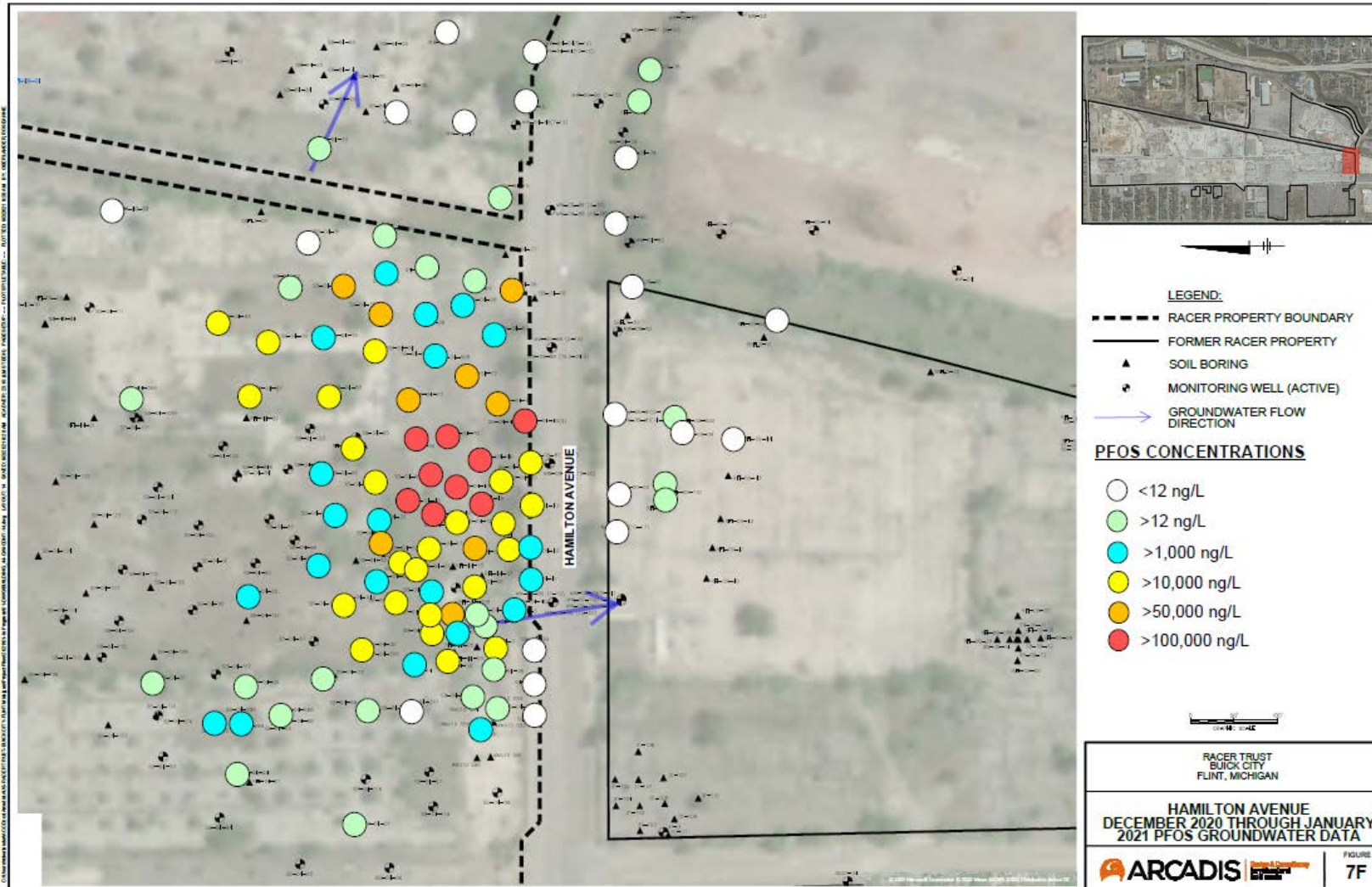


22 October 2021

17

Hamilton Ave Area

December 2020 – January 2021 PFOS Groundwater Data

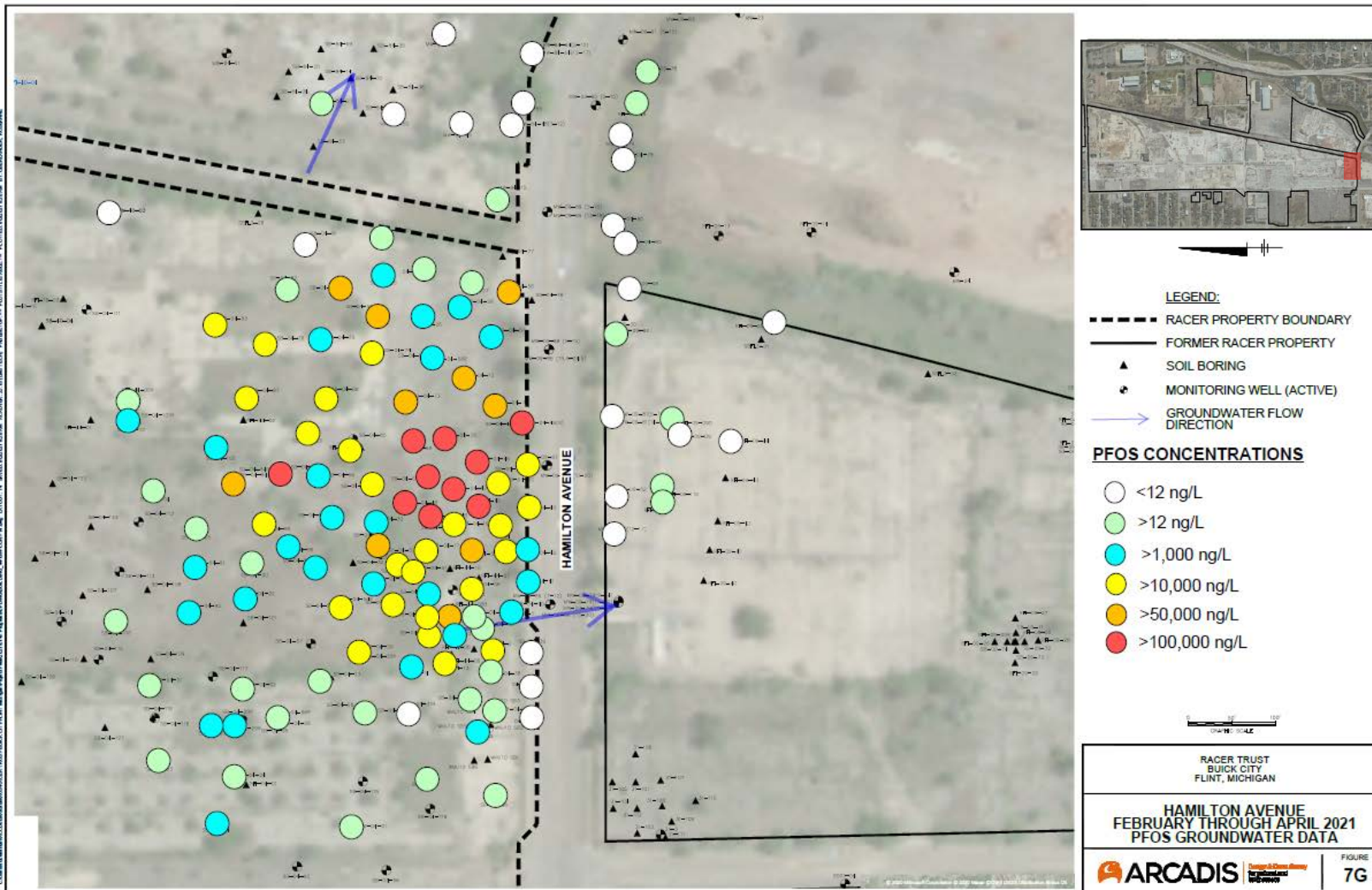


22 October 2021

18

Hamilton Ave Area

February – April 2021 PFOS Groundwater Data

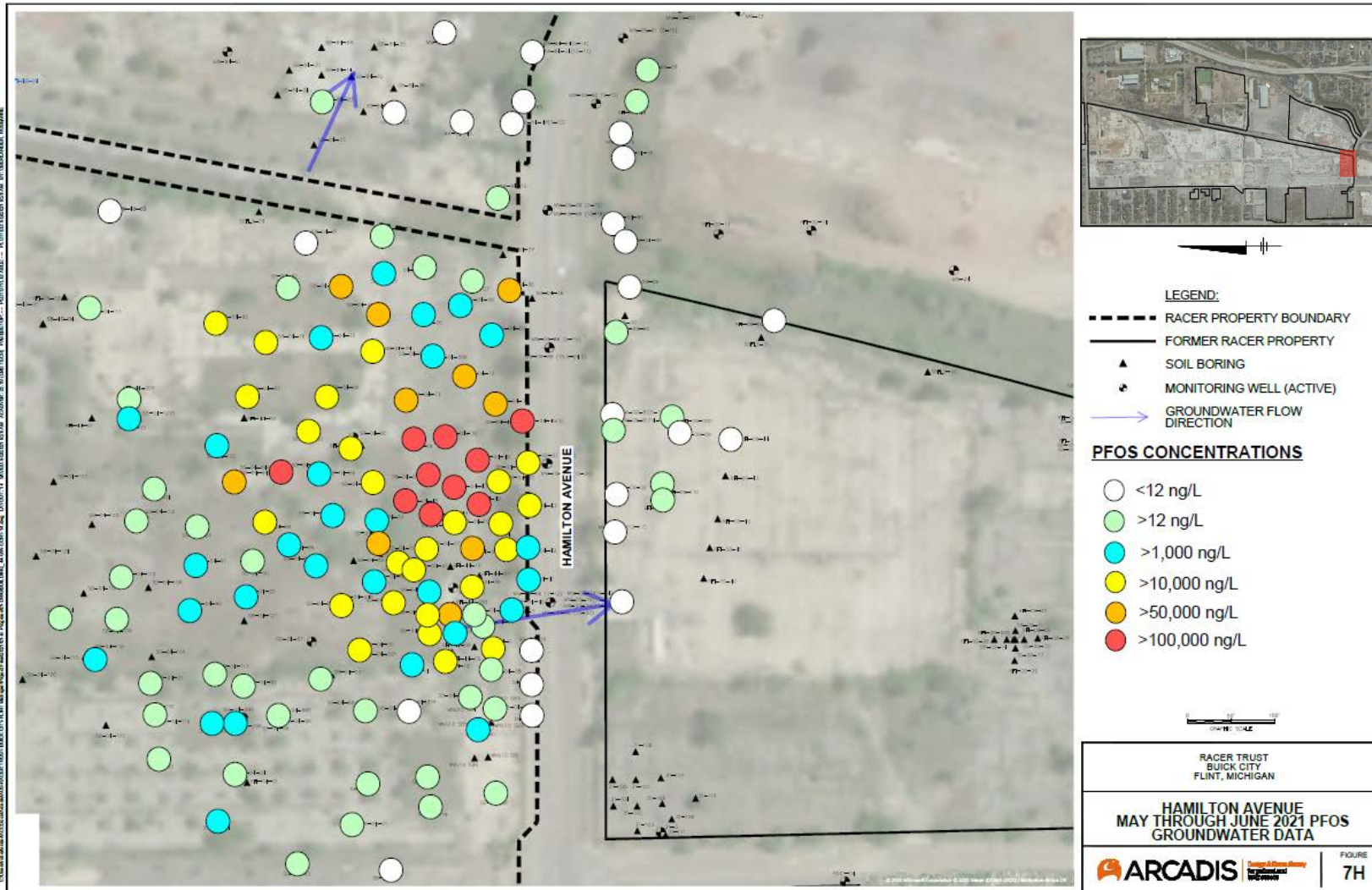


22 October 2021

19

Hamilton Ave Area

May – June 2021 PFOS Groundwater Data

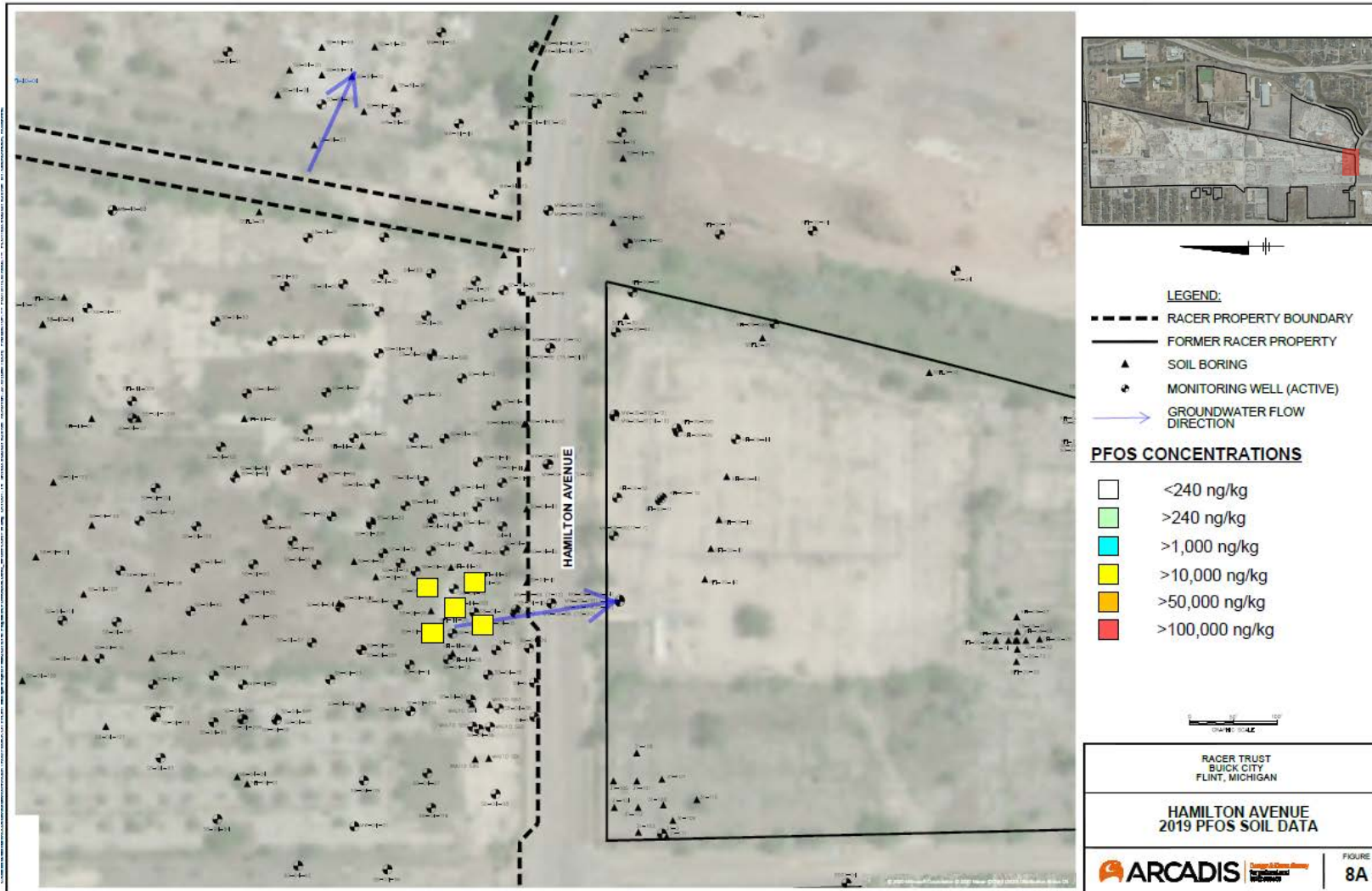


22 October 2021

20

Hamilton Ave Area

2019 PFOS Soil Data

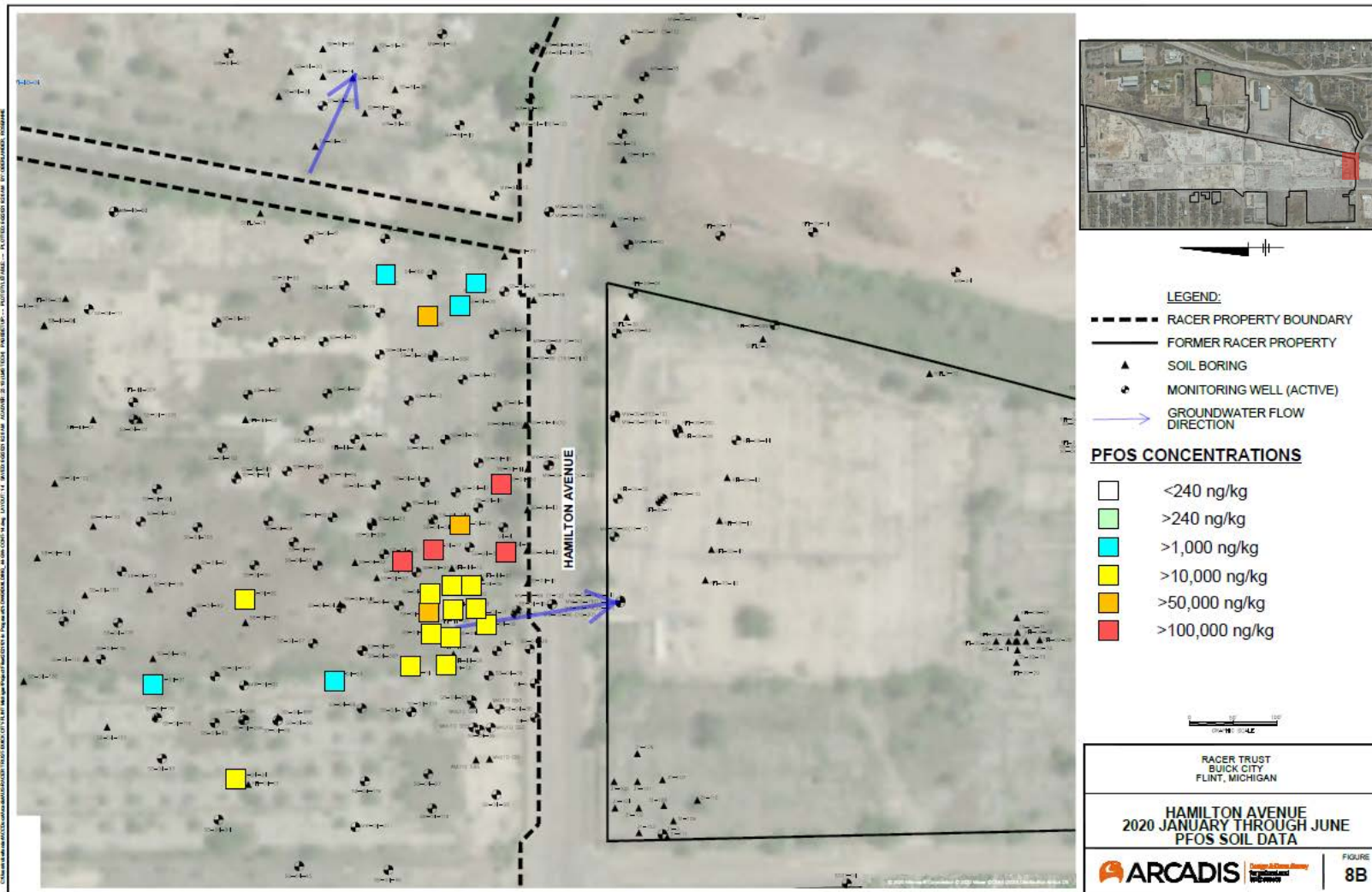


22 October 2021

21

Hamilton Ave Area

**January – June 2020
PFOS Soil Data**

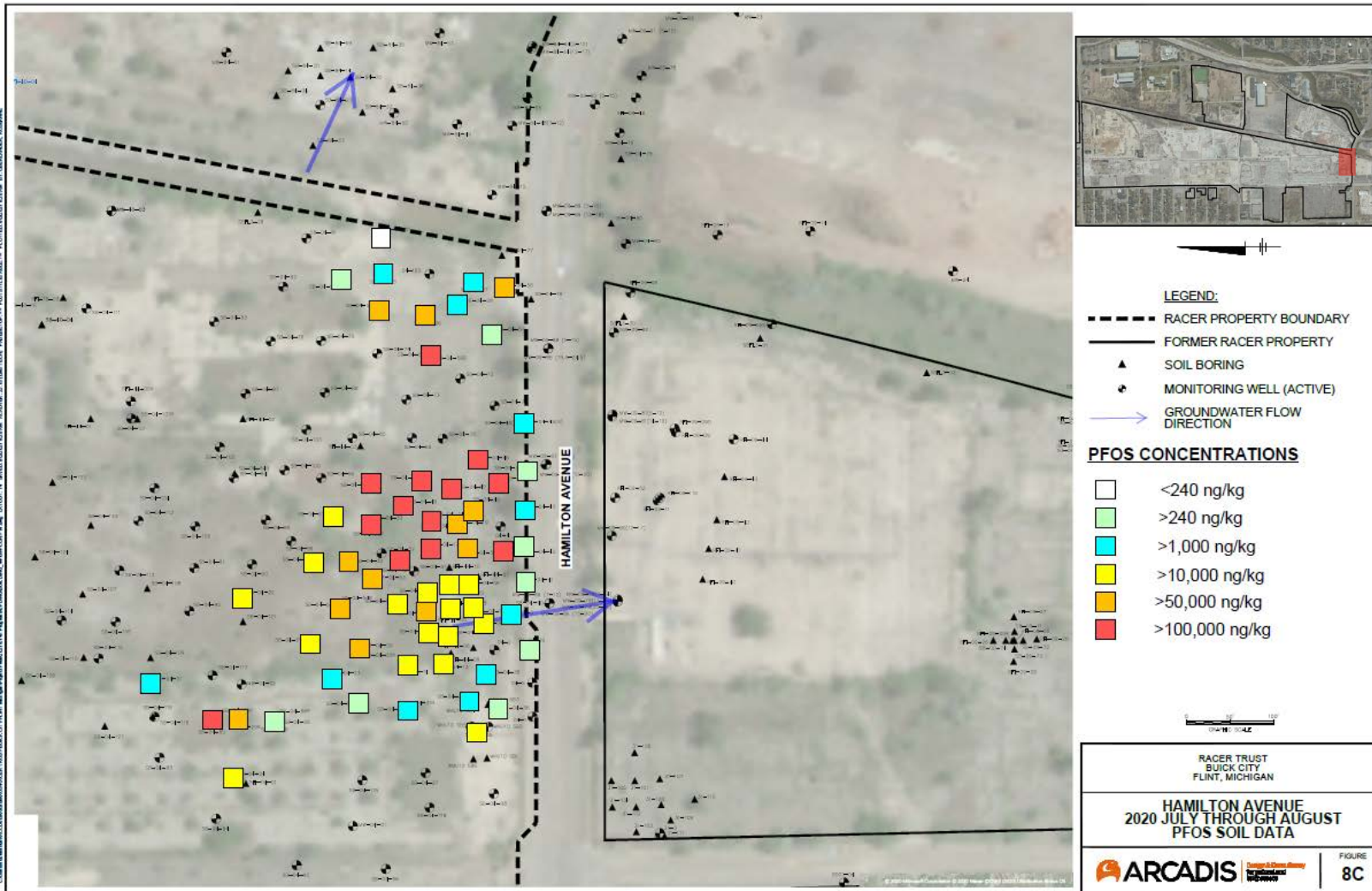


22 October 2021

22

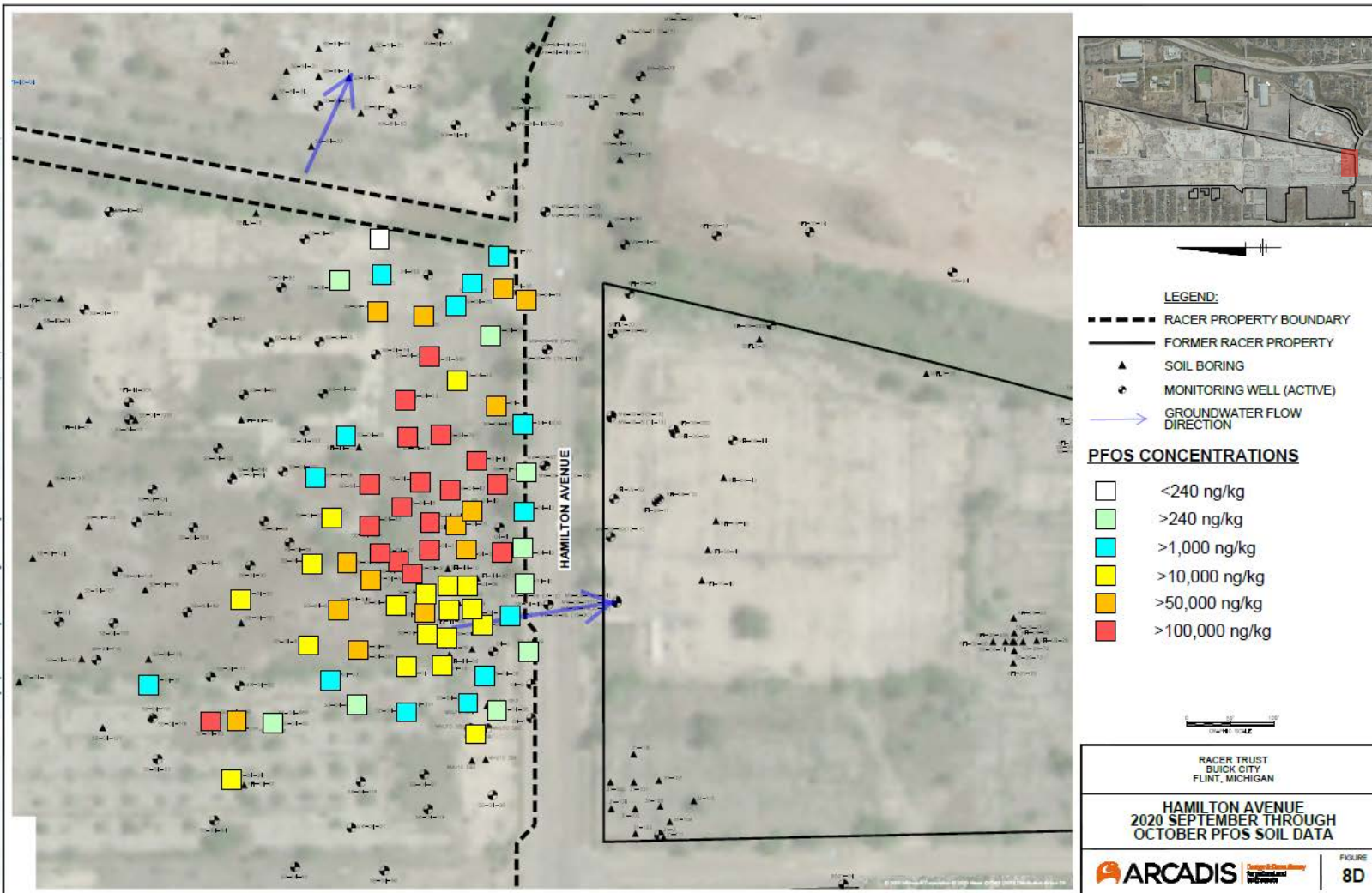
Hamilton Ave Area

July – August 2020 PFOS Soil Data



Hamilton Ave Area

September – October
2020
PFOS Soil Data

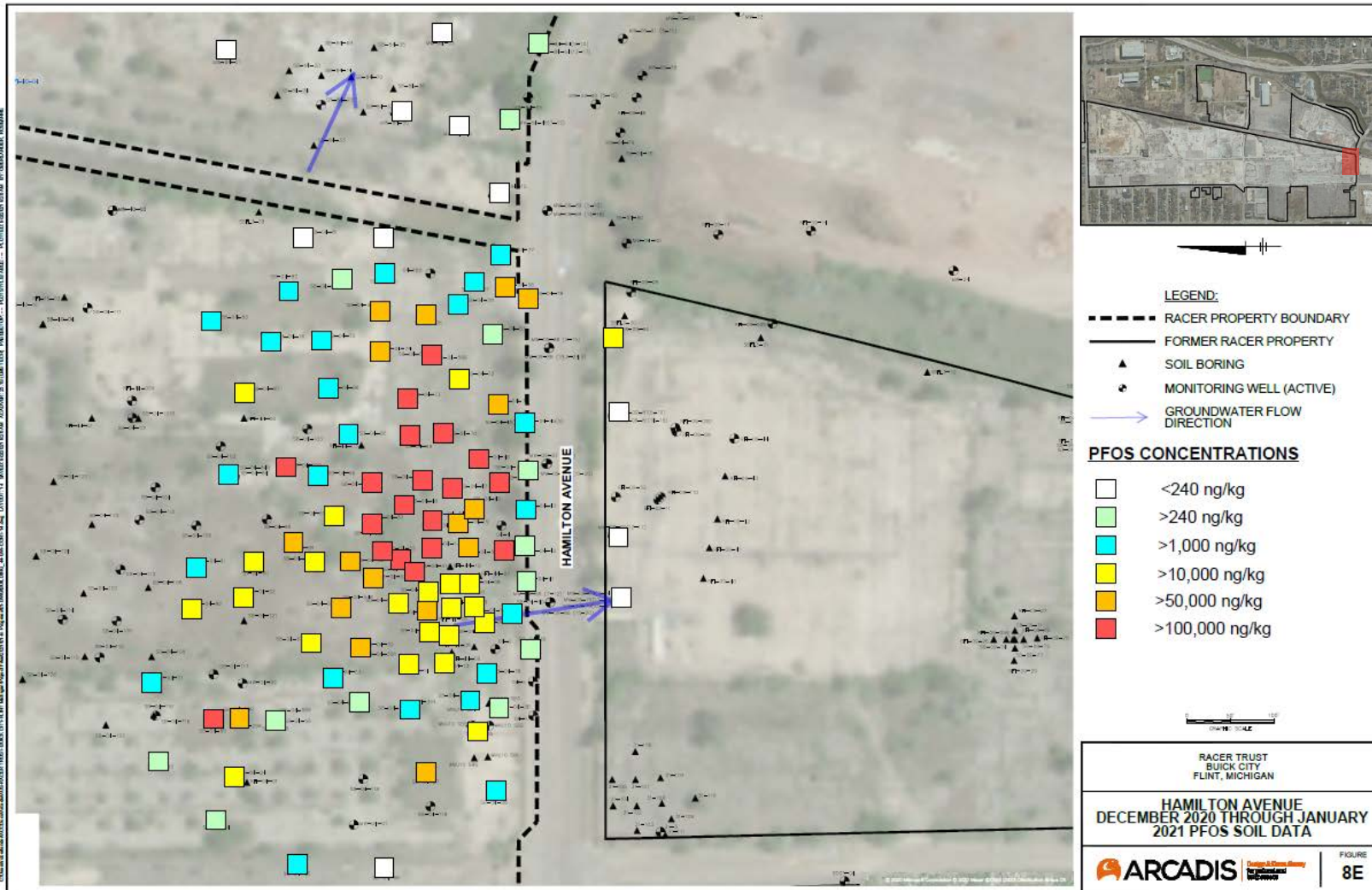


22 October 2021

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Hamilton Ave Area

**December 2020 –
January 2021
PFOS Soil Data**

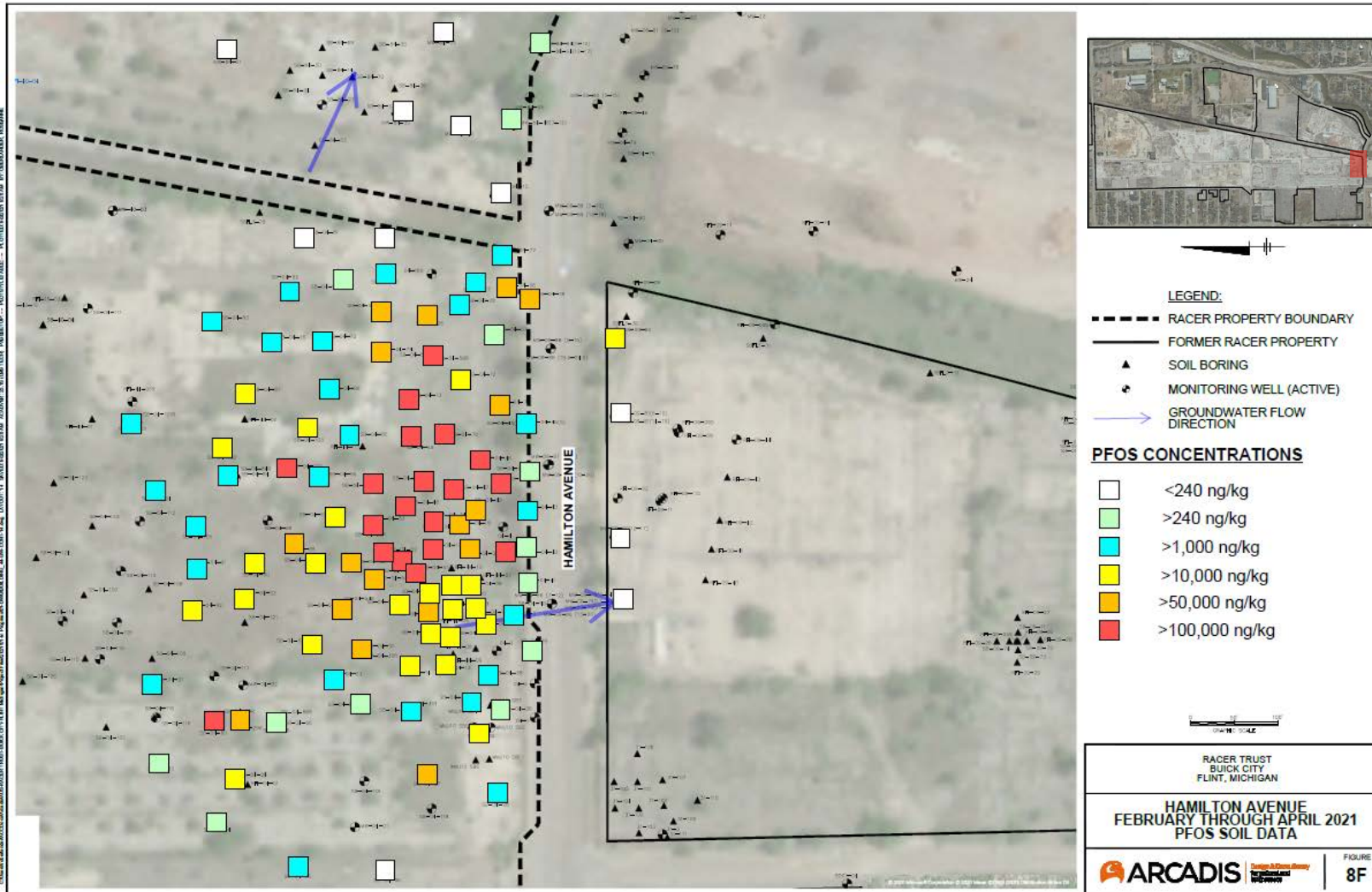


22 October 2021

25

Hamilton Ave Area

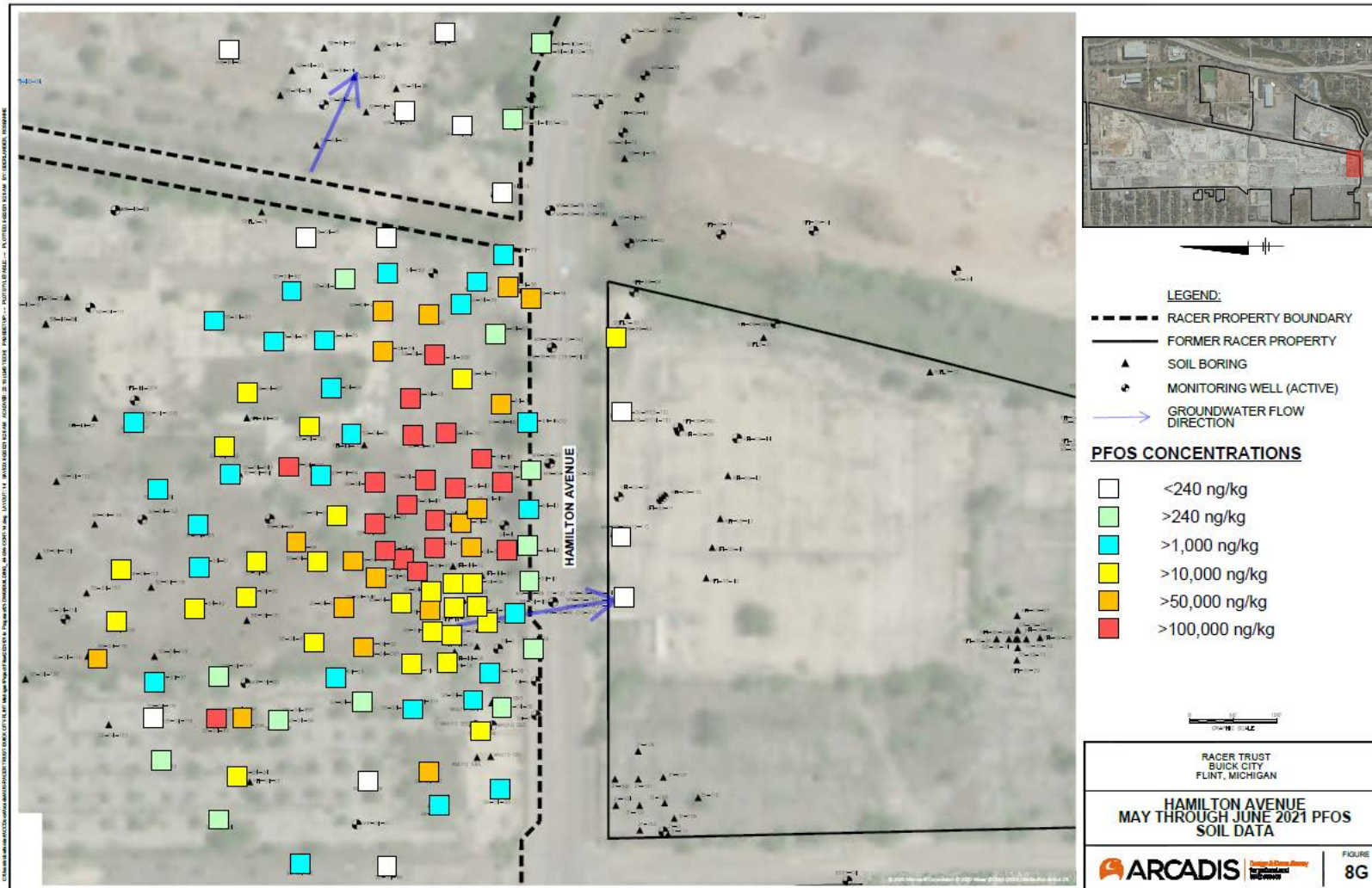
**February – April 2021
PFOS Soil Data**



22 October 2021

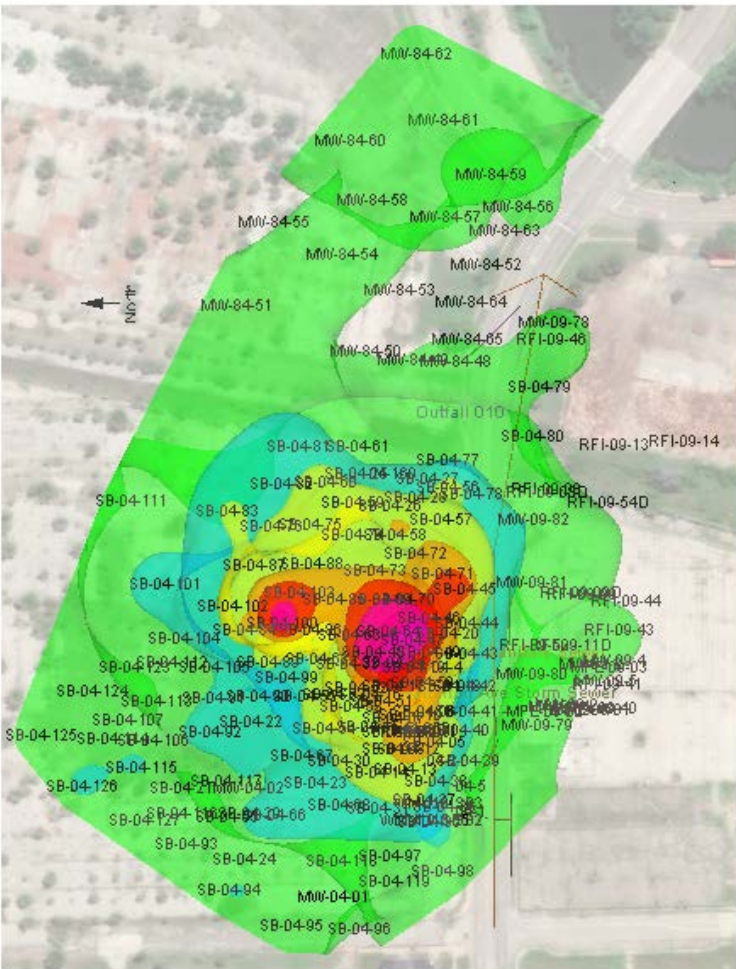
26

Hamilton Ave Area

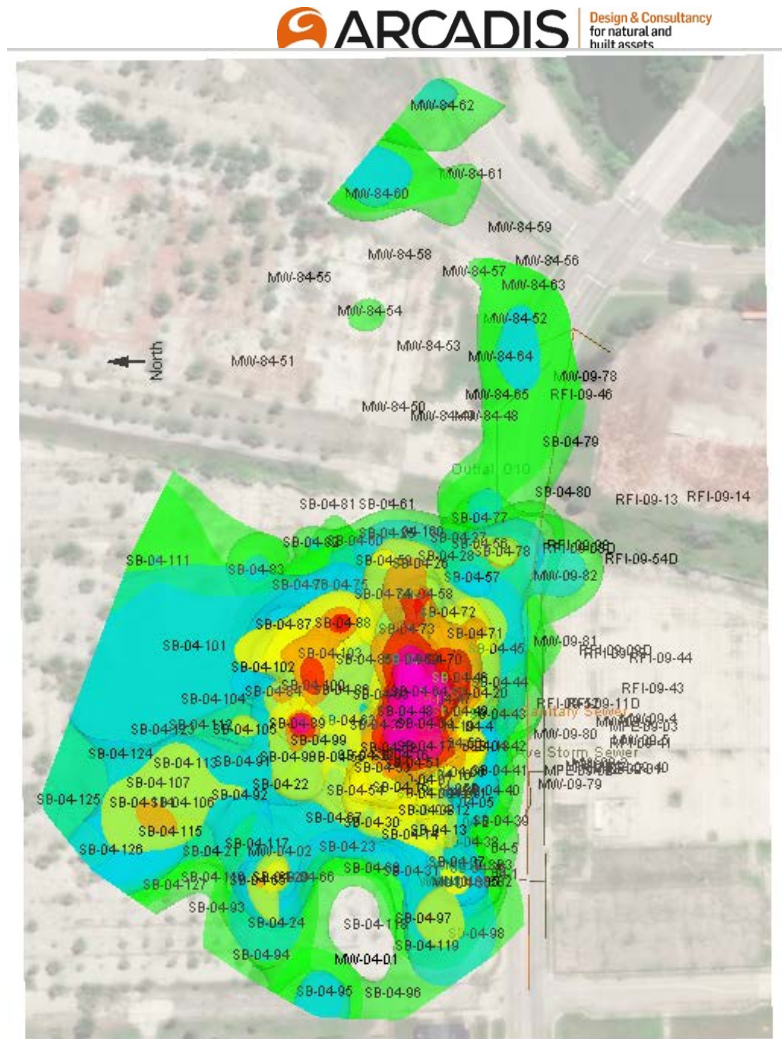
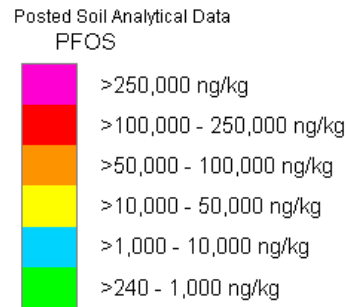
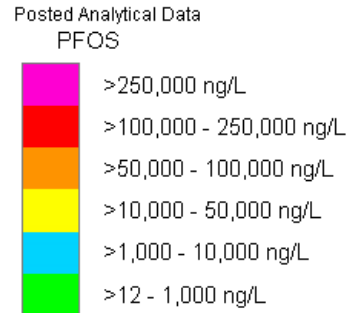


**May – June 2021
PFOS Soil Data**

Hamilton Ave Area 3-D Model

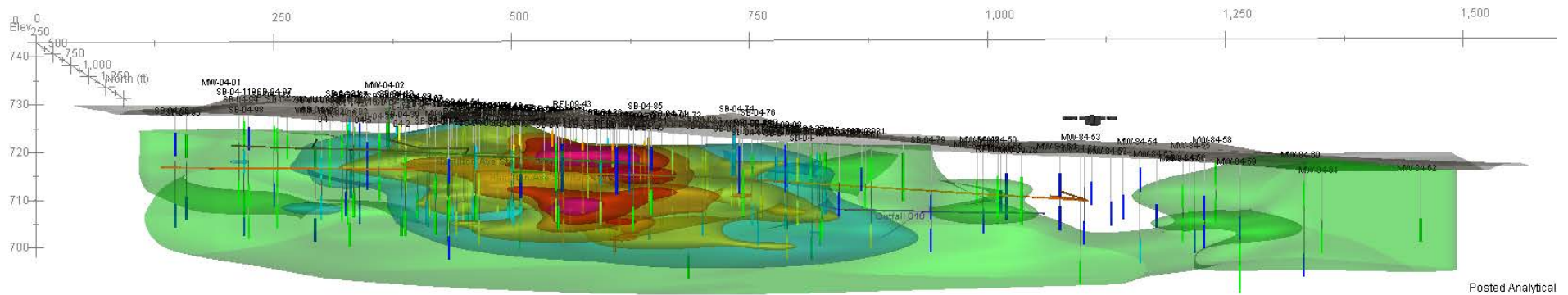


PFOS in Groundwater



PFOS in Soil

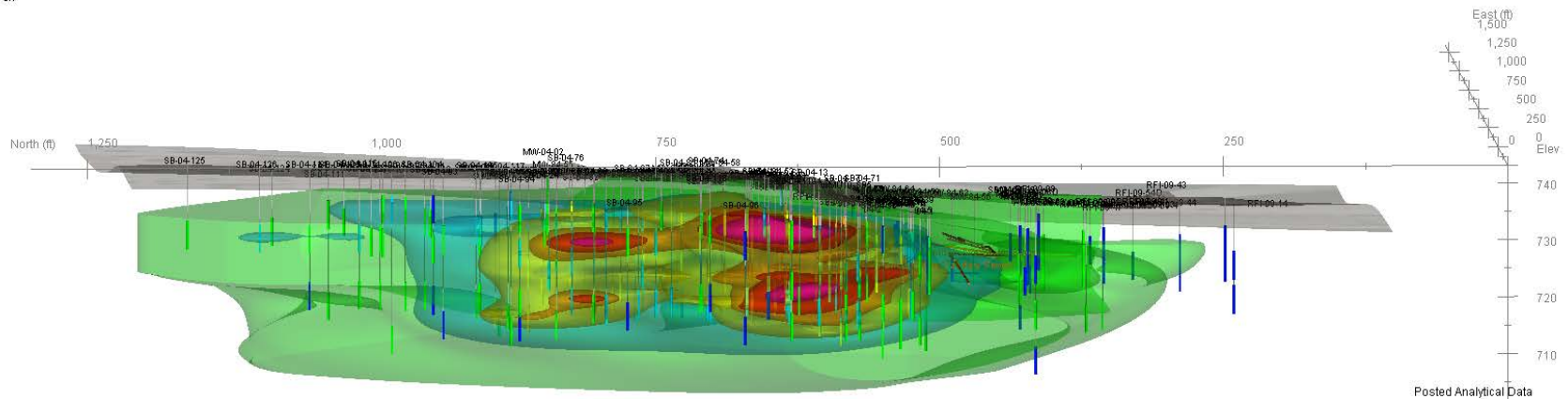
Hamilton Ave Area 3-D Model



PFOS in Groundwater

PFOS in Soil

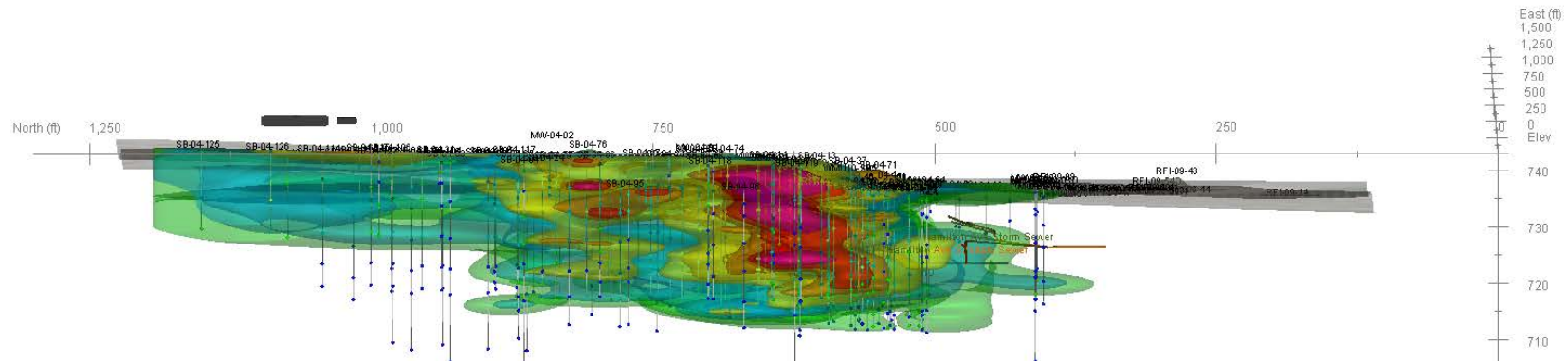
Hamilton Ave Area 3-D Model



N

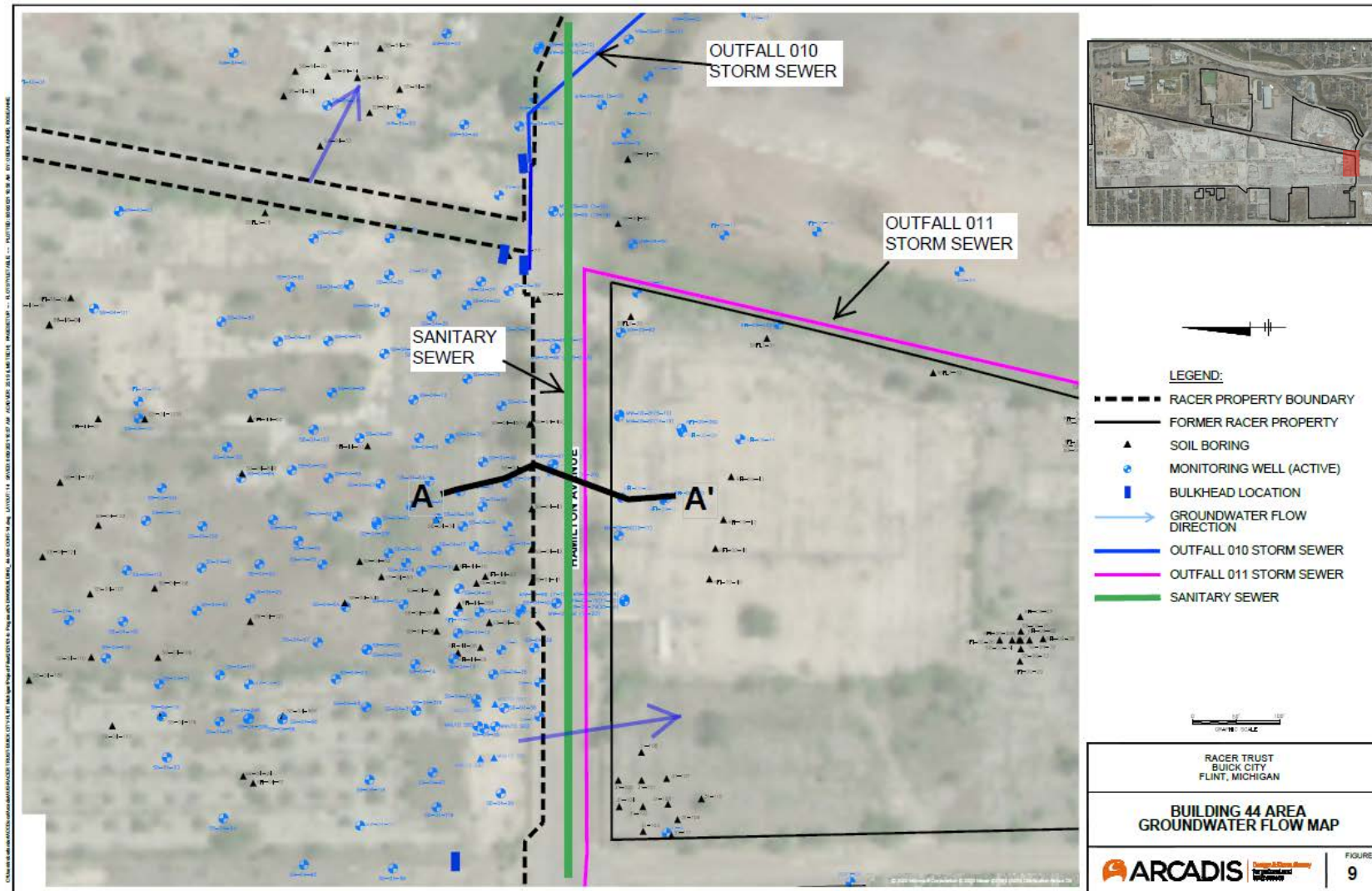
PFOS in Groundwater

S



PFOS in Soil

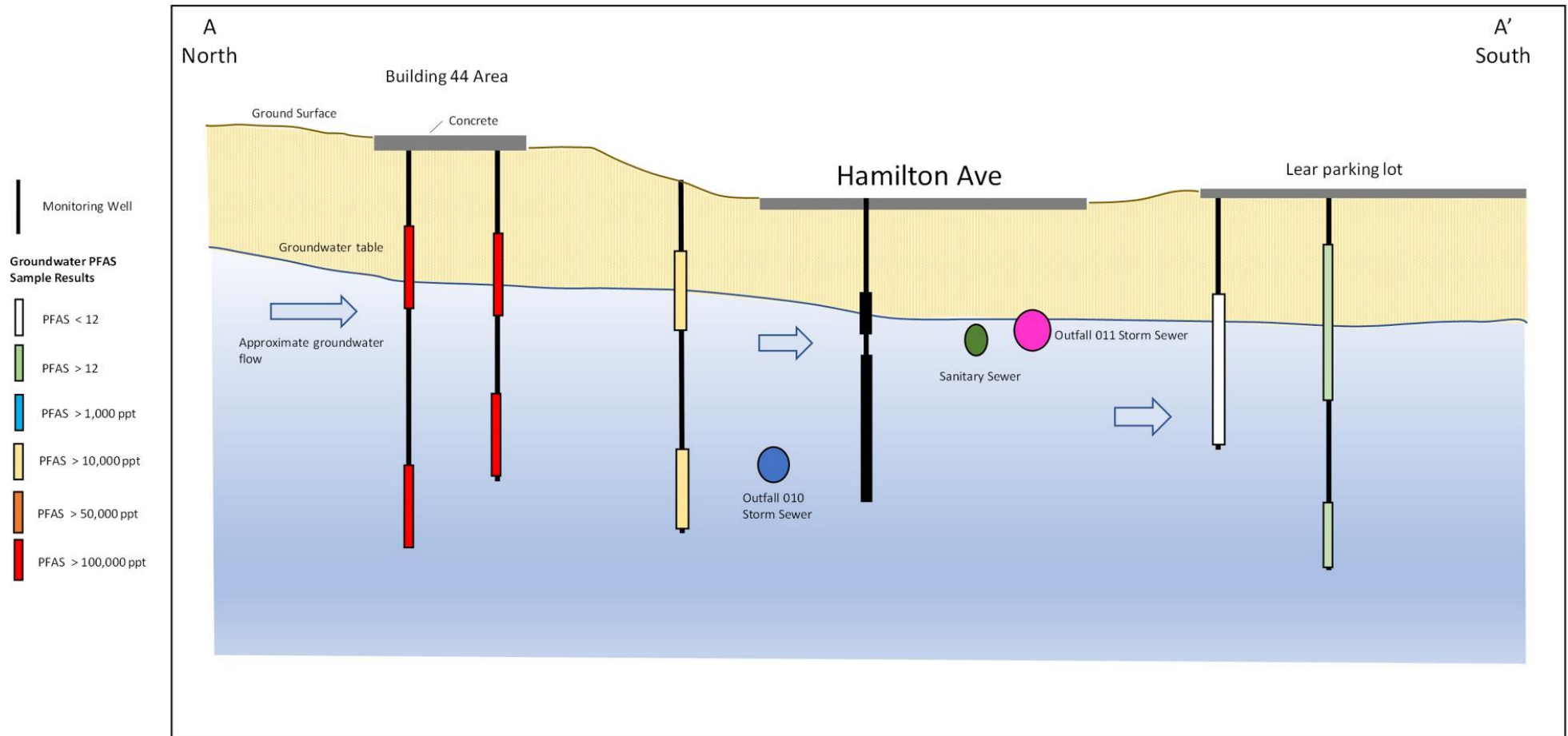
Cross Section Plan View



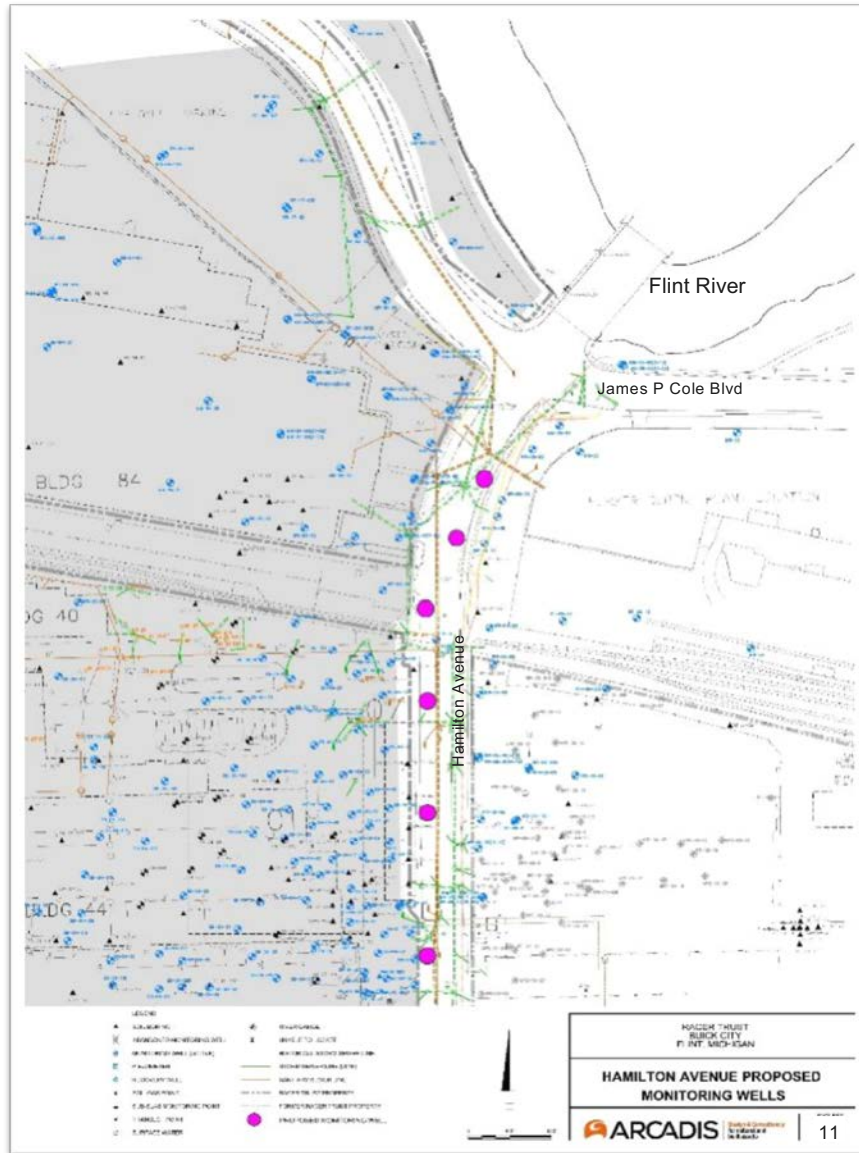
2 October 2021

31

Conceptual Cross Section



Hamilton Avenue Well Installation

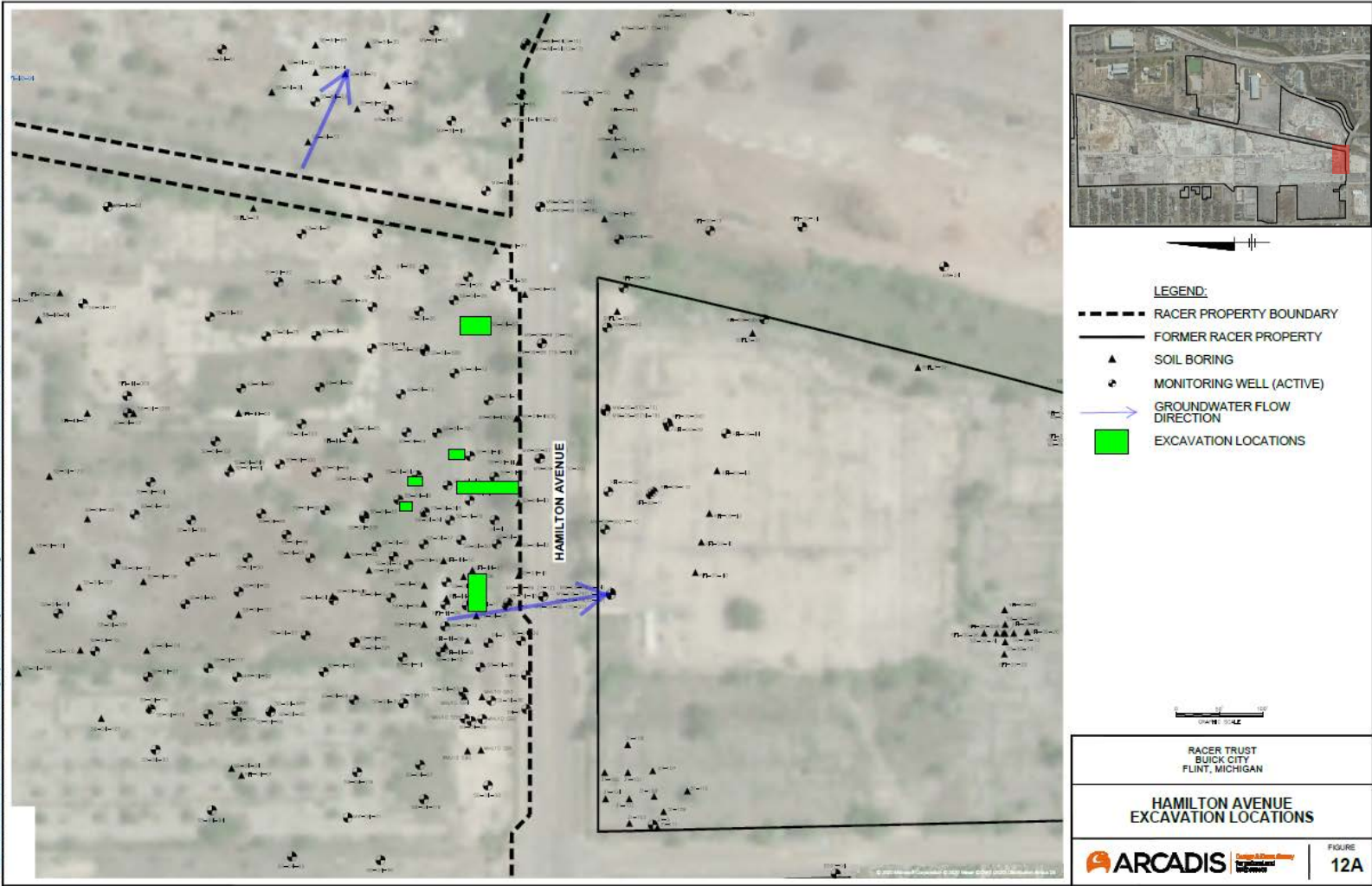


22 October 2021

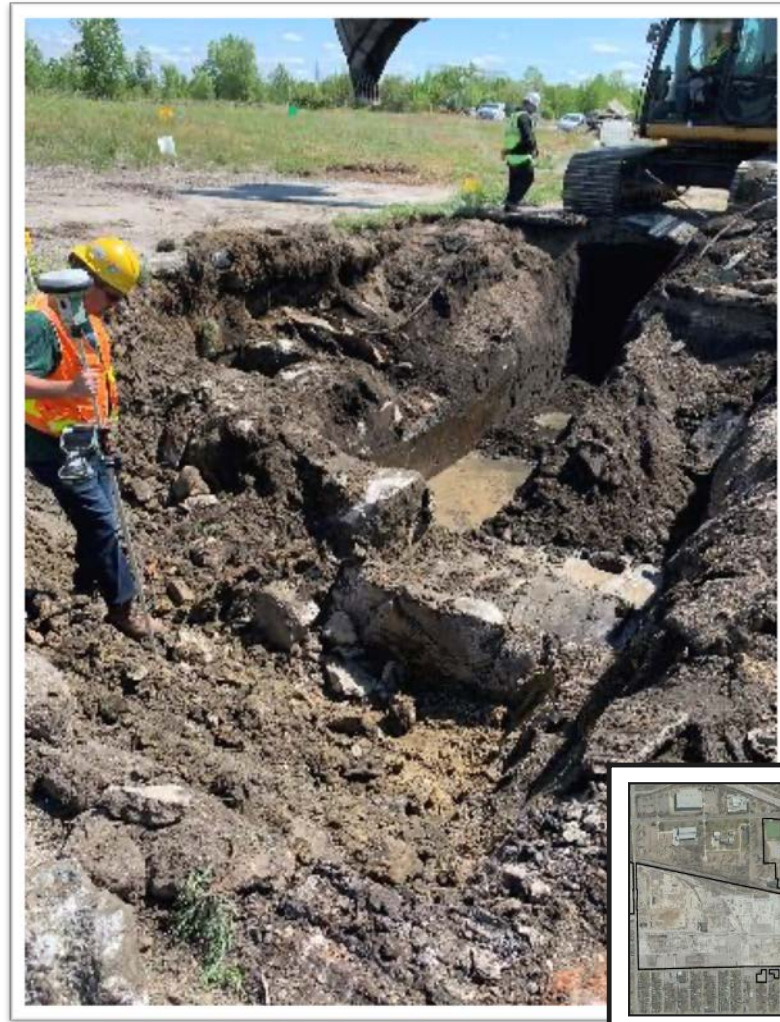
Hamilton Avenue Well Installation



Test Pits



Test Pits



PFAS Next Steps – Remedial Technologies

Developing Matrix of Remedial Technologies

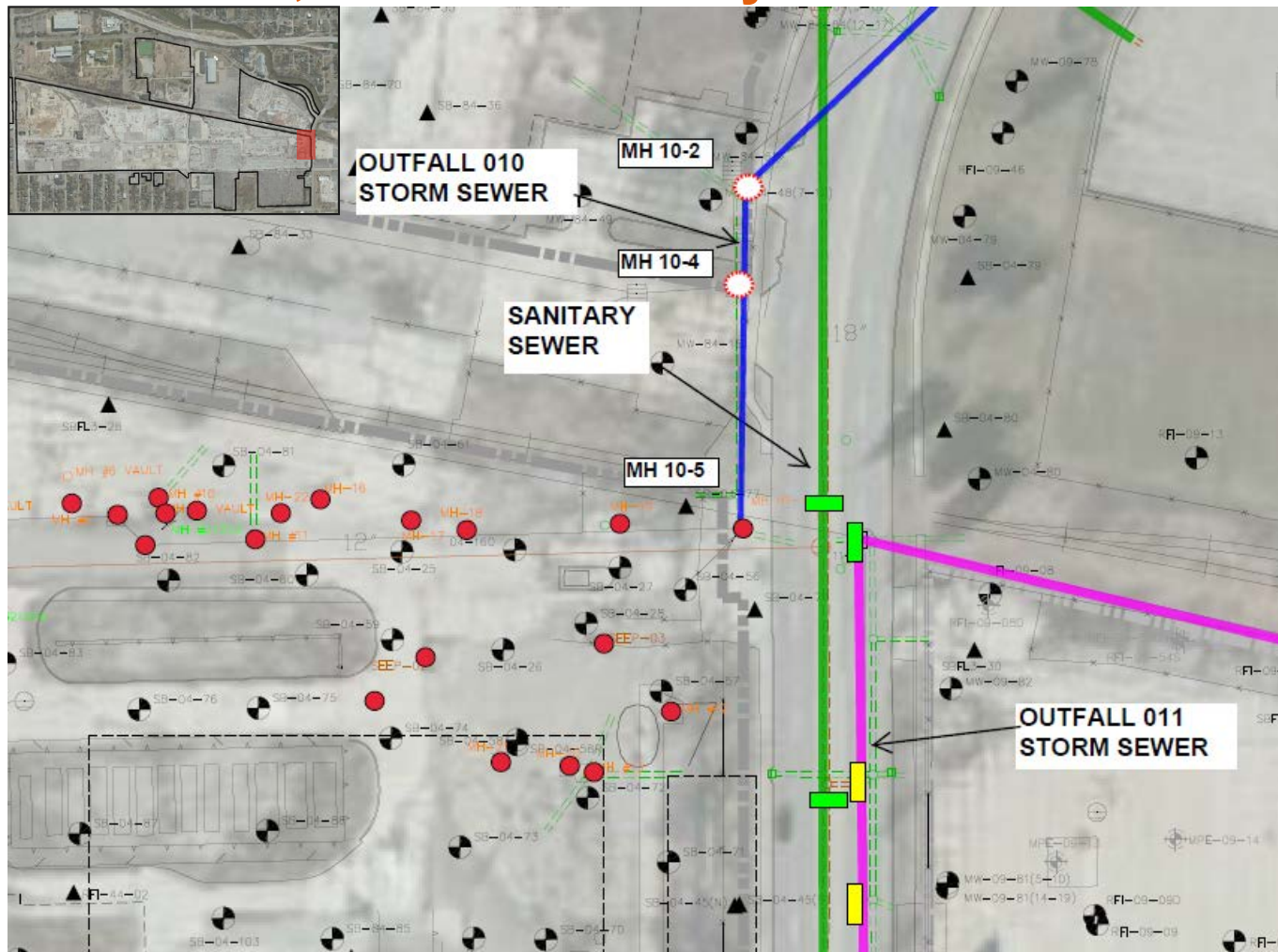
Soil

- Stabilization in place – reduces potential for soil to leach PFAS
 - Chemical fixation
 - Encapsulation
- Soil washing and water treatment
- Containment – slurry wall
- On-site treatment and disposal in approved containment unit (concrete vault, landfill liner)
- Off-site disposal

Water

- Granular activated carbon
- Anion exchange resins
- Absorptive media
- Fractionation
- Membrane filtration
 - Nanofiltration/ultrafiltration
 - Reverse osmosis

Hamilton Avenue – Outfall 010, 011 and Sanitary Sewers



Outfall 010

- MH 10-5 Filled with Concrete (red circle). Decreased concentrations at outfall.
- MH 10-2 and MH10-4 Bulkhead recently installed (White circle).

Outfall 011

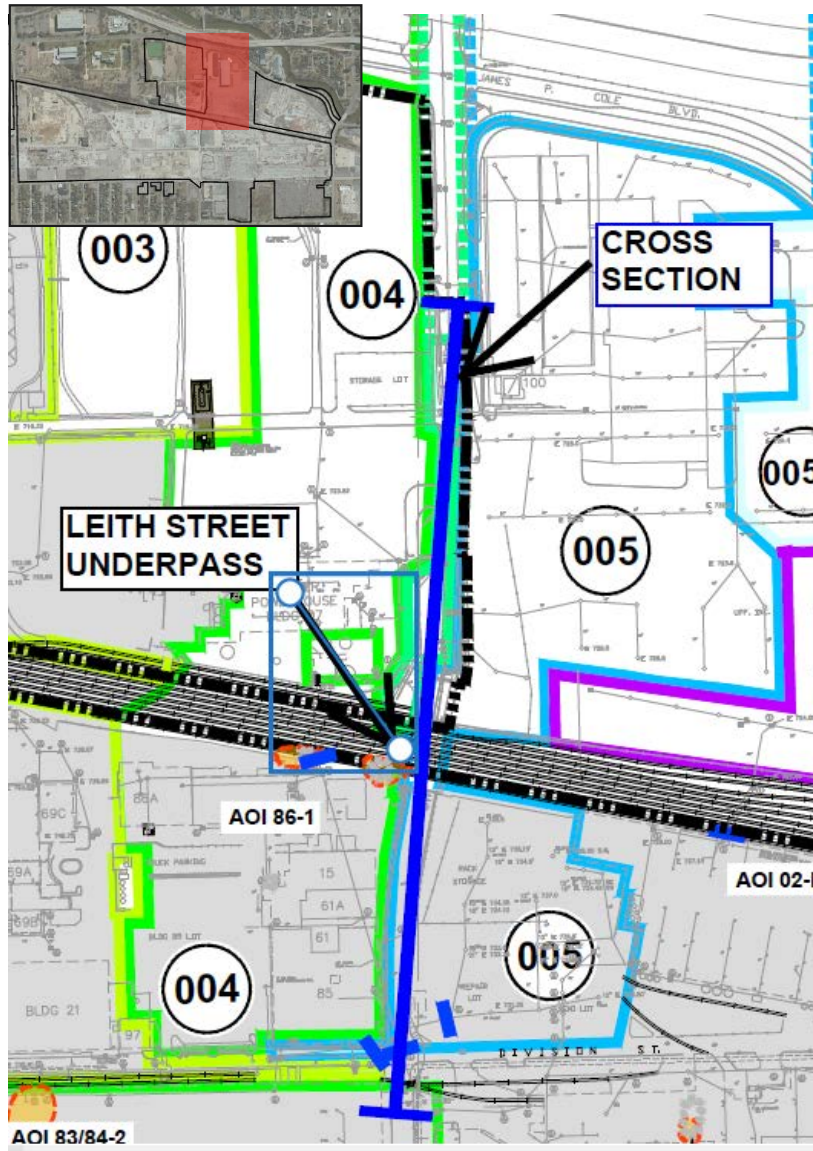
- Temporary plug installed to eliminate contribution from the Site (green Rectangle)
- Additional temporary plugs installed in laterals (yellow rectangles).

Sanitary Sewer

- Temporary Plugs installed (green rectangle). Resulted in decreased concentrations at the WWTP.

On-Site Manholes

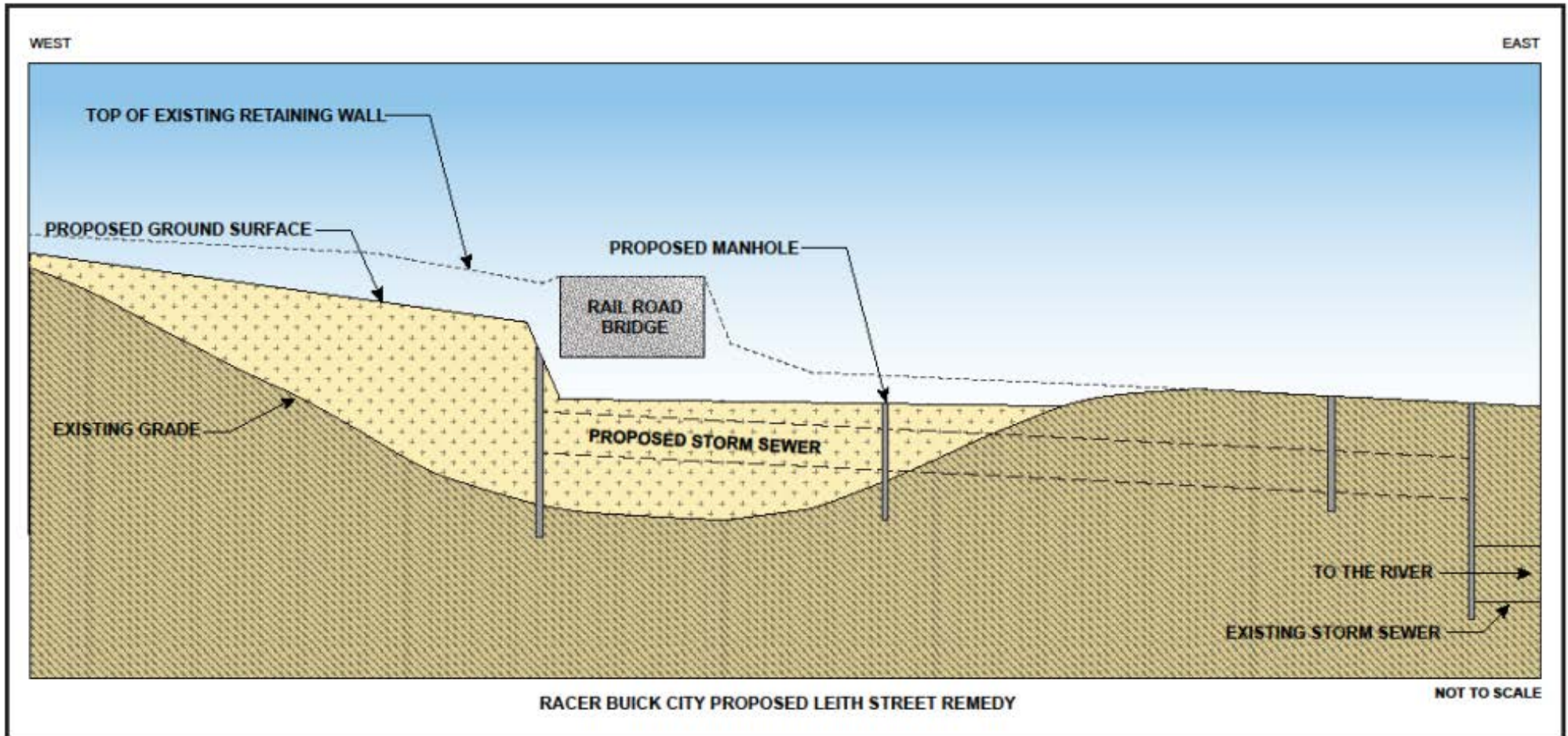
- 27 On-Site sewer manholes were filled with concrete to reduce flow through the area (red circles).



Outfall 005/Leith Street



Outfall 005/Leith Street



Site Activities

- We have completed the Outfall 003 sewer reroute – significantly reducing PFAS discharges to the Flint River and enhanced redevelopment opportunities
- We have arranged to accept clean fill dirt from several road construction projects including I-69. These soils have been used for environmental remediation work and can be used to prepare building pads for new development.
- We have licensed portions of the site for vehicle parking and equipment storage and for an AJAX batch plant in support of the I-69 reconstruction. Site improvements to support those activities have been provided by the licensees.

Redevelopment

- RACER has positioned its Buick City property to capture a significant economic development opportunity, in terms of new investment, tax revenues & jobs, for the City of Flint and the Flint region
- RACER is actively marketing the Buick City property for end-uses which will maximize its value to the community
- RACER is collaborating with the Michigan Economic Development Corporation, Genesee Regional Chamber, City of Flint and others in pursuit of employers seeking a site to locate their investment in new manufacturing and warehouse/logistics capacity
- The Flint region and RACER's Buick City property are becoming more attractive to potential investors as demand trends upward for these uses during the current economic expansion