

To:

Grant Trigger, RACER

Copies:

Tony Maffeo, Arcadis
Erin Kozak, Arcadis

Arcadis of Michigan, LLC

28550 Cabot Drive

Suite 500

Novi

Michigan 48377

Tel 248 994 2240

Fax 248 994 2241

From:

Micki Maki

Date:

January 30, 2019

Arcadis Project No.:

B0064410.2019

Subject:

Sanitary Sewer Sampling Update
RACER Buick City Site Flint, Michigan

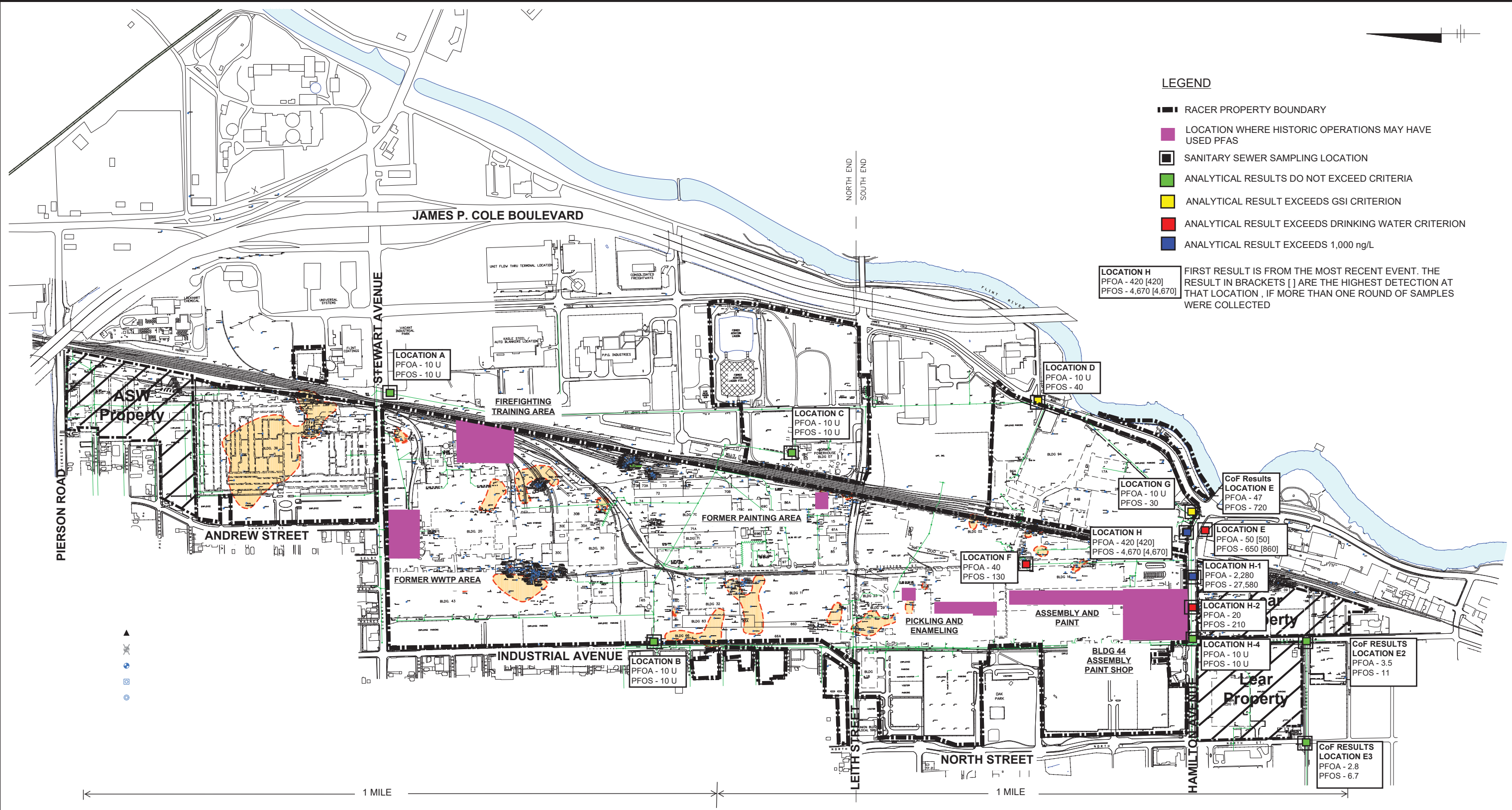
This memo summarizes the continued investigation activities to further assess the per- and poly-fluoroalkyl substances (PFAS) impacts identified in the sanitary sewers in the vicinity of the Buick City Site (the Site) located in Flint, Michigan.

On December 17, 2018 water samples were collected from five locations in the sanitary sewer that flows east along Hamilton Avenue and then combines with the sanitary main from James P Cole Blvd. The locations sampled are identified as Locations E, H, H-1, H-2, and H-4 (**Figure 1**). **Figure 1** summarize the sanitary sewer sampling analytical results for perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) collected to date.

The analytical results from the most recent sampling event did not detect PFOA or PFOS in the sample collected from upstream Location H-4. The next downstream sample collected from Location H-2, contained PFOA at a concentration of 20 ng/L and PFOS at a concentration of 210 ng/L. The sample collected from Location H-1 contained PFOA at a concentration of 2,280 ng/L and PFOS at a concentration of 27,580 ng/L. The next downstream sample, collected at Location H, contained PFOA at a concentration of 420 ng/L and PFOS at a concentration of 4,670 ng/L. After location H this sanitary sewer line combines with the main line along James P Cole Blvd. just prior to Location E. The sample collected at Location E contained PFOA at a concentration of 50 ng/L and PFOS at a concentration of 650 ng/L.

Further sampling and investigation of connections to the sanitary sewer will be necessary.

CITY: SYRACUSE DIV: GROUP: ENV DB: A SANCHEZ ID: ALS/GMS PIC: C.S.PETERS PM: C.KIKER TM: C.KIKER LVR: ON=OFF=REF
 C:\Users\salsanchez\OneDrive - ARCADIS\BIM 360 Docs\RACER TRUST\BUICK CITY PCRA\2018\06\410_20181001-DWG\RTBCF-SITE.dwg LAYOUT: 1
 IMAGES: PROJECTNAME: --- PLOTTED: 11/20/18 11:59 AM ACADVER: 21.05 (LWS TECH) PAGES: 10 PAGESETUP: --- PLOTSTYLETABLE: ---



NOTES:

1. Base map information from a survey by BMJ, INC dated April 2001 at a scale of 1:100. Aerial image ARCGIS 10 Online Mapping, accessed 6/12/2013. Additional information digitized from aerial imagery, 2018 Microsoft corporation, 2018 DigitalGlobe, CNES (2018) distribution airbus DS, Bing.
2. PFOA - perfluorooctanoic acid
3. PFOS - perfluorooctane sulfonic acid
4. All results presented in ng/L - nanograms per liter
5. U - Analyte not detected above the reporting limit

DRAFT
 UPDATED 1/11/19

RACER TRUST
 BUICK CITY
 FLINT, MICHIGAN

PRELIMINARY SANITARY SEWER SAMPLING RESULTS

ARCADIS Design & Consultancy
 for natural and built assets

FIGURE
1