

SUBJECT

RACER Buick City
Roadway Monitoring Well Abandonment Work Plan

TO

Evin Maguire – EGLE
Jeremy Pepin - EGLE
Shaun Shields - EGLE

DATE

April 30, 2026

PROJECT NUMBER

30324893

COPIES TO

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On behalf of Revitalizing Auto Communities Environmental Response (RACER) Trust, Arcadis of Michigan, LLC (Arcadis) has prepared this work plan for abandoning monitoring wells located in public roadways around the Buick City Site located in Flint, Michigan. Many of the monitoring wells installed within roadways surrounding the Site have sustained damage from vehicle traffic (missing covers, asphalt/concrete damage, missing j-plug, etc.), are road hazards, and would require frequent maintenance if left in place (**Attachment 1**). No monitoring wells located within roadways are critical for future monitoring of conditions and therefore are proposed for abandonment to eliminate the potential for additional traffic hazards, personnel safety during sampling, and to reduce costs associated with groundwater monitoring (i.e., need for traffic control and frequent well maintenance).

Scope of Work

RACER Trust proposes to abandon a total of 21 monitoring wells currently installed within roadways adjacent to the Site. Sixteen (16) wells are in Hamilton Avenue, three wells are in James P. Cole Boulevard, and two wells are in Stewart Avenue. The monitoring wells proposed for abandonment are summarized in **Table 1** and shown in **Figure 1**. Monitoring wells will be abandoned using the modified plug-in-place (PIP) method consistent with the Michigan Department of Environment, Great Lakes and Energy (EGLE) approved September 24, 2025, *RACER Buick City Building 44 Area Monitoring Well Abandonment Work Plan*. Please note the *Building 44 Area Monitoring Well Abandonment Work Plan* was revised and re-submitted to EGLE on March 4, 2026, to address items provided in the EGLE Conditional Approval letter, dated December 4, 2025

The well abandonment process for the 21 permanent monitoring wells will generally consist of the following steps:

1. Prepare a cement grout with at least 5 percent bentonite.
2. Place the grout in the well casing via the tremie method (i.e., the grout will be pumped from the bottom of the well upward). The grout will be added until the well is filled above the top of the well casing at grade.
3. Verify that the amount of grout added equals or exceeds the calculated volume of the void to be filled.
4. Check for settlement of the grout after 24 hours and top off the grout, as necessary.
5. The cement collar and manhole casing will then be removed from the road, and the well casing will be cut below grade.
6. The roadway areas will be patched/restored consistent with City of Flint requirements.

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April 30, 2026

Traffic control will be utilized to close lanes and redirect traffic as needed during the well abandonment and surface repairs.

RACER Trust will work with EGLE to determine future monitoring requirements and if monitoring locations are needed for performance monitoring (i.e., Hamilton Road / Building 44), characterization, or as part of a long-term monitoring network, and specific locations will be proposed for EGLE's consideration as part of a future scope(s) of work.

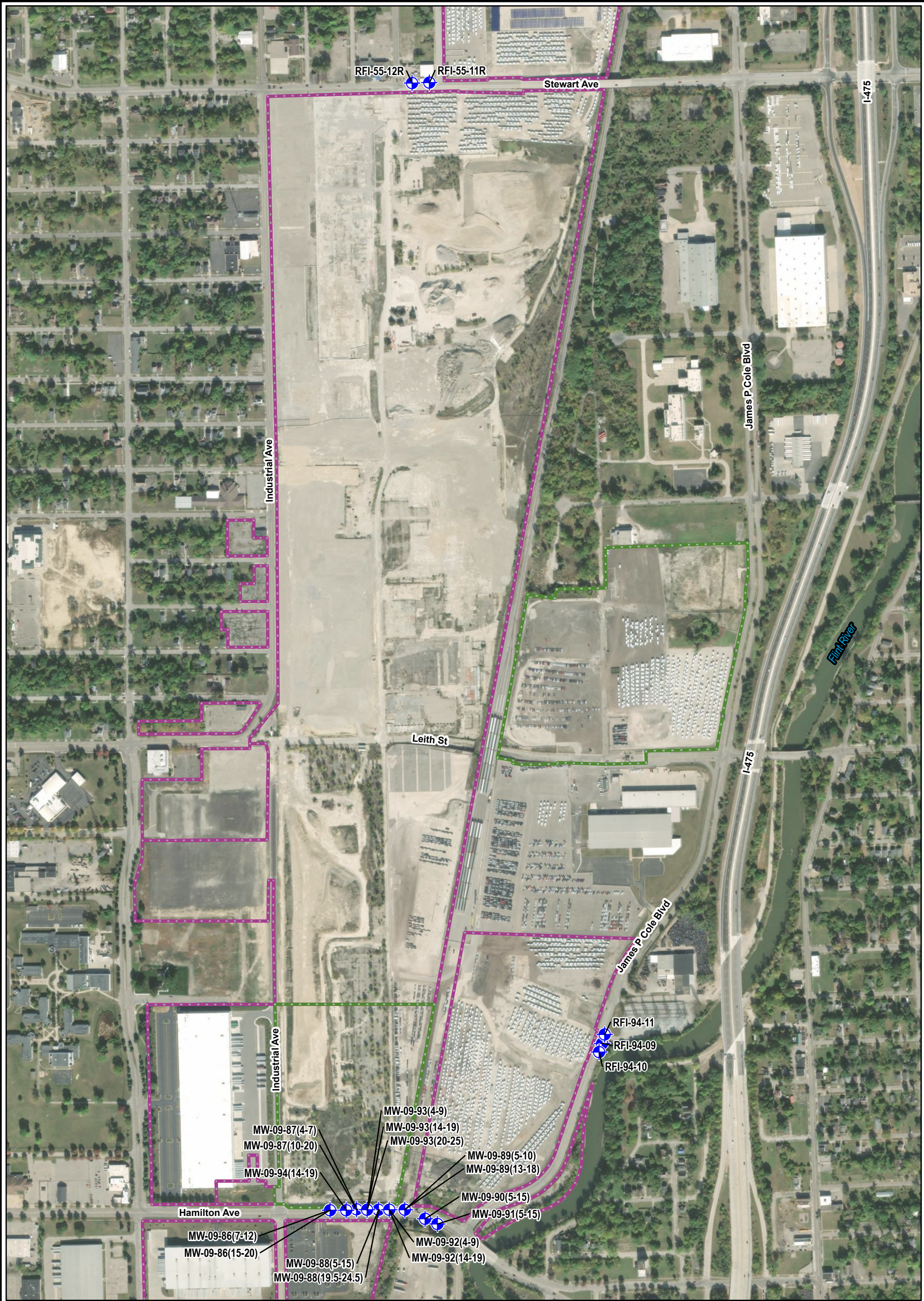
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Table 1 – Monitoring Wells in Roadways to Abandon

Figure 1 – Monitoring Wells in Roadways to Abandon

Attachment 1 – Photographs of Select Damaged Monitoring Wells

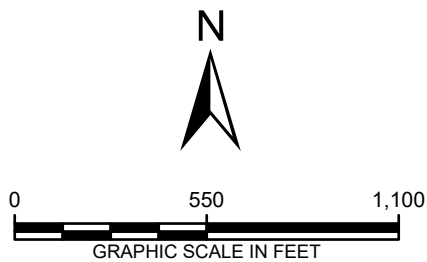
FIGURES



LEGEND

- Monitoring Well Proposed for Abandonment
- Current RACER-owned Properties
- Former RACER-owned Properties

Note:
1. Aerial source: ESRI, dated October 2025.



RACER TRUST BUICK CITY, FLINT, MI	
MONITORING WELLS IN ROADWAYS TO ABANDON	
	FIGURE 1

TABLES

Table 1**Monitoring Wells in Roadways to Abandon****RACER Trust Buick City****Flint, Michigan**

Well ID	X-Easting	Y-Northing	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	Location
MW-09-86(15-20)	13305299.24	560283.11	15	20	Hamilton Ave
MW-09-86(7-12)	13305299.3	560282.86	7	12	Hamilton Ave
MW-09-94(14-19)	13305396.87	560282.95	14	19	Hamilton Ave
MW-09-87(10-20)	13305458.65	560286.16	10	20	Hamilton Ave
MW-09-87(4-7)	13305458.7	560287.45	4	7	Hamilton Ave
MW-09-93(14-19)	13305656.31	560285.61	14	19	Hamilton Ave
MW-09-93(20-25)	13305523.3	560284.56	20	25	Hamilton Ave
MW-09-93(4-9)	13305523.13	560284.55	4	9	Hamilton Ave
MW-09-88(19.5-24.5)	13305591.73	560284.27	19.5	24.5	Hamilton Ave
MW-09-88(5-15)	13305591.77	560284.49	5	15	Hamilton Ave
MW-09-92(14-19)	13305656.31	560285.61	14	19	Hamilton Ave
MW-09-92(4-9)	13305656.16	560285.49	4	9	Hamilton Ave
MW-09-89(13-18)	13305749.62	560286.27	13	18	Hamilton Ave
MW-09-89(5-10)	13305749.86	560286.13	5	10	Hamilton Ave
MW-09-90(5-15)	13305872.05	560230.59	5	15	Hamilton Ave
MW-09-91(5-15)	13305947.28	560199.35	5	15	Hamilton Ave
RFI-94-11	13306955.55	561342.26	8	18	James P Cole
RFI-94-09	13306940.18	561289.14	7	17	James P Cole
RFI-94-10	13306921.68	561235.34	7	17	James P Cole
RFI-55-11R	13305898.1	567081.8	15	20	Stewart Ave
RFI-55-12R	13305793.99	567079.57	10	20	Stewart Ave

Notes:

1. ft bgs = feet below ground surface

ATTACHMENT 1

Photographs of Select Damaged Monitoring Wells

Attachment 1 – Monitoring Wells in Roadway that are Damaged



Monitoring Well MW-09-88



Monitoring well and MW-09-92

Attachment 1 – Monitoring Wells in Roadway that are Damaged



Attachment 1 – Monitoring Wells in Roadway that are Damaged

