

# MEMO

To:

Mr. Peter Ramanauskas  
USEPA Region 5  
77 W. Jackson Blvd LU-9J  
Chicago, IL 60604

Copies:

Dave Favero, RACER  
Colleen Barton, Arcadis  
File

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

From:

Brad Saunders

Date:

December 18, 2020

Arcadis Project No.:

30042811.00005

Subject:

Fiero Monitoring Well Locating Summary  
Pontiac North Campus

---

This memorandum summarizes monitoring well locating activities conducted at the Former Fiero Assembly and Powerhouse properties of the Revitalizing Auto Communities Environmental Response Trust (RACER) Pontiac North Campus Site (Site) located in Pontiac, Michigan (**Figure 1**). Attempted well locating activities were performed in 2019 and 2020 after the completed of Fiero Powerhouse demolition and regrading activities.

Well locating activities were conducted by Arcadis on multiple occasions including December 2019, March 2020, May 2020, June 2020, October 2020, and November 2020. Through the first five events, a total of 33 monitoring wells were able to be located on the Fiero properties. This included both numerous monitoring wells which had been regularly monitored as part of annual gauging and sampling events, as well as other monitoring wells which were not actively monitored but were otherwise able to be located. During these events, a variety of methods were used to locate monitoring wells, including use of a global positioning system (GPS) device, hand tools, and a metal detector. The general accuracy of the GPS coordinates versus those surveyed coordinates on record were also confirmed during these activities. At the conclusion of these activities, despite these efforts and nearby vicinity searching, seven monitoring wells remained unable to be located.

In November 2020, a final attempt was made to locate the seven remaining missing monitoring wells which were previously on record for being present on the Fiero properties. For this event, Arcadis utilized a GPS and subcontracted Terra Probe Environmental, Inc. to mobilize a skid steer, as several wells were believed to potentially be buried under compacted dirt and gravel. Upon locating the recorded coordinates of the missing monitoring wells by the GPS unit, the skid steer was used to remove an approximate 3-foot deep section of dirt and gravel over an approximate 8 to 10 square-foot area at each of the recorded monitoring well locations. Despite these efforts, none of the missing seven monitoring wells were able to be located and are therefore presumed to be destroyed. These seven monitoring wells are identified on **Figure 1**, and a list of these wells with construction details is provided in **Table 1**.

The unlocated wells are all relatively shallow (25-33 ft bgs) and are not a direct pathway to deeper groundwater units. Furthermore, other wells are located both on- and off-site downgradient of the unlocated wells and provide monitoring points for any potential impacts. Therefore, the unlocated wells are not likely to pose any risk to downgradient receptors. No further activity related to these wells is warranted.

**Figures**

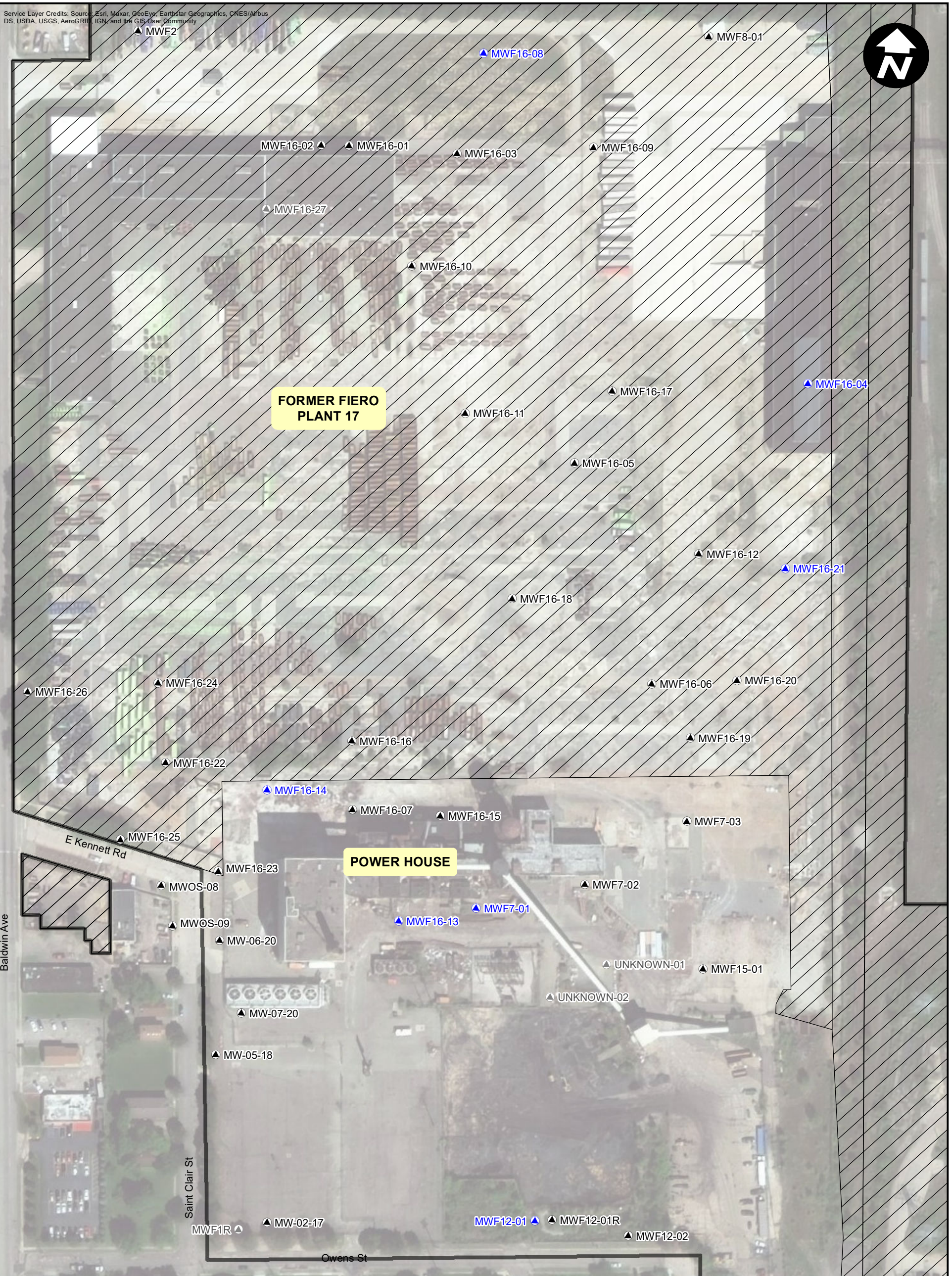
Figure 1      Well Inventory Former Fiero Property

**Tables**

Table 1      Fiero Well List - Unable to Locate



CITY: NOVI, MI DIV: ENV DB: TRY PIC: TR: PROJECT NUMBER: 30042811.00005 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Intl  
 T: ENV\Novi\Brighton MI\Motors\Liquidation\Campus\PontiacNorth\Campus\Documents\Former Fiero Property\Memo 202011 WellInventory\_V2.mxd PLOTTED: 12/7/2020 3:49:46 PM BY: AKENS



**LEGEND**

- ABANDONED MONITORING WELL
- COULD NOT LOCATE - PRESUMED DESTROYED
- EXISTING MONITORING WELL
- PROPERTY SOLD BY RACER
- CURRENT OR FORMER RACER PROPERTY

0 150 300  
 SCALE IN FEET

RACER TRUST  
 PONTIAC NORTH CAMPUS  
 PONTIAC, MICHIGAN

**WELL INVENTORY  
 FORMER FIERO PROPERTY**

**ARCADIS** Design & Consultancy  
 for natural and built assets

FIGURE  
**1**

**Table 1**  
**Fiero Well List - Unable to Locate**  
**RACER Trust Pontiac North Campus**  
**Pontiac, Michigan**

Well ID	Well Type	Total Depth (ft bgs)
<b>FIERO - Assembly</b>		
MWF16-04	FM	31.00
MWF16-08	FM	28.00
MWF16-21	FM	26.00
<b>FIERO - Powerhouse</b>		
MWF7-01	FM	30.00
MWF12-01	FM	25.00
MWF16-13	FM	33.00
MWF16-14	FM	33.00

**Notes:**

ft bgs - feet below ground surface

FM - flush mount