



TO	Ms. Megan Kuczka New York State Department of Environmental Conservation Division of Environmental Remediation 700 Delaware Avenue Buffalo, NY 14209
FROM	ERM Consulting & Engineering, Inc.
DATE	27 March 2024
REFERENCE	0709858
SUBJECT	Former Leica Facility Temporary Monitoring Well Decommission Former Leica, Inc. Facility Town of Cheektowaga Erie County, New York 14215 Inactive Hazardous Disposal Site No. 915156

Dear Ms. Kuczka:

On behalf of Leica Microsystems, Inc. (Leica), ERM Consulting and Engineering, Inc. (ERM) has prepared this work plan to decommission 32 temporary monitoring wells, the MW-100 borehole, and the PZ4 couplet at the former Leica facility located at 203 Eggert Road in the Town of Cheektowaga, Erie County, New York (the Site). The Site is identified as an Inactive Hazardous Waste Disposal Site (Site Number 915156).

1. BACKGROUND AND OBJECTIVES

During the implementation of Data Gap Investigation (DGI) and DGI Addendum in the southeast corner of the Site, temporary and permanent monitoring wells were installed from 2019 through 2023 to evaluate shallow groundwater impacts along the Town of Cheektowaga sanitary and storm utilities adjacent to the Site. These monitoring wells were sampled and the resultant data were provided to the New York State Department of Environmental Conservation (NYSDEC) in the DGI Status Report (ERM 2023) and the DGI Addendum (ERM 2024).

The data objectives for the temporary monitoring wells have been met. As a robust network of permanent monitoring wells is in place at the Site, including in this area, ERM proposes to abandon 32 temporary monitoring wells to facilitate the protection of groundwater quality through the elimination of unnecessary and unsecure conduits to the subsurface. Similarly, ERM advanced the MW-100 borehole in January 2019 to evaluate deep bedrock and inform the conceptual site model, satisfying a data gap from previous investigation work. A Flexible Liner Underground Technologies (FLUTE) liner remains installed within MW-100, which prevents vertical groundwater migration

within the borehole. Given that the purpose and objectives of this borehole have been achieved, ERM will decommission this borehole.

In February 2024, redevelopment activities conducted by the new property owner exposed two nested piezometers southeast of the main building, which were previously covered by debris. These nested 2-inch diameter piezometers predate ERM's involvement at the Site, but are thought to be the PZ4 couplet installed in 1996 based on the location and description of those historical piezometers. Because these piezometers have been uncapped and not maintained for decades, they will also be decommissioned.

2. SCOPE

ERM is proposing to decommission the following 32 temporary monitoring wells, the locations of which are shown on Figure 1 in black (remaining monitoring wells are shown in blue on this figure):

TW-01	TW-43
TW-02	TW-44
TW-03	TW-45
TW-04	TW-46
TW-05	TW-47
TW-06	TW-48
TW-07	TW-49
TW-08	TW-50
TW-09	TW-51
TW-10	TW-52
TW-11	TW-53
TW-12	TW-54
TW-39	TW-55
TW-40	TW-56
TW-41	TW-57
TW-42	TW-58

Temporary monitoring wells will be decommissioned by a New York-licensed driller by pulling the casing and grouting the borehole as described in Section 2.3 of NYSDEC's CP-43 Groundwater Monitoring Well Decommissioning Policy (NYSDEC 2009). MW-100 (Figure 1) is an open bedrock borehole with 4-inch diameter steel isolation casing (ERM 2023), which will be decommissioned by removal of the FLUTe liner and grouting the borehole with the casing in place. The nested piezometers (Figure 1) will be decommissioned by pulling the casing and grouting the borehole. If the casing is unable to be removed, they will be grouted in place.

3. WASTE MANAGEMENT

Waste materials generated will be containerized in 55-gallon drums and properly labeled for off-Site transport to a permitted disposal facility.

4. REPORTING

ERM will include a summary of well decommissioning activities and well decommissioning records in the 2024 periodic review report.

5. REFERENCES

ERM. 2023. Data Gap Investigation Status Report. 3 February 2023.

ERM. 2024. Data Gap Investigation Status Report Addendum. 9 February 2024.

NYSDEC, 2009. CP-43: Groundwater Monitoring Well Decommissioning Policy. NYSDEC Division of Environmental Remediation, Albany, August 2009.

If you have any questions, please contact Tim Daniluk at 315-233-3043 or Tim.Daniluk@erm.com.

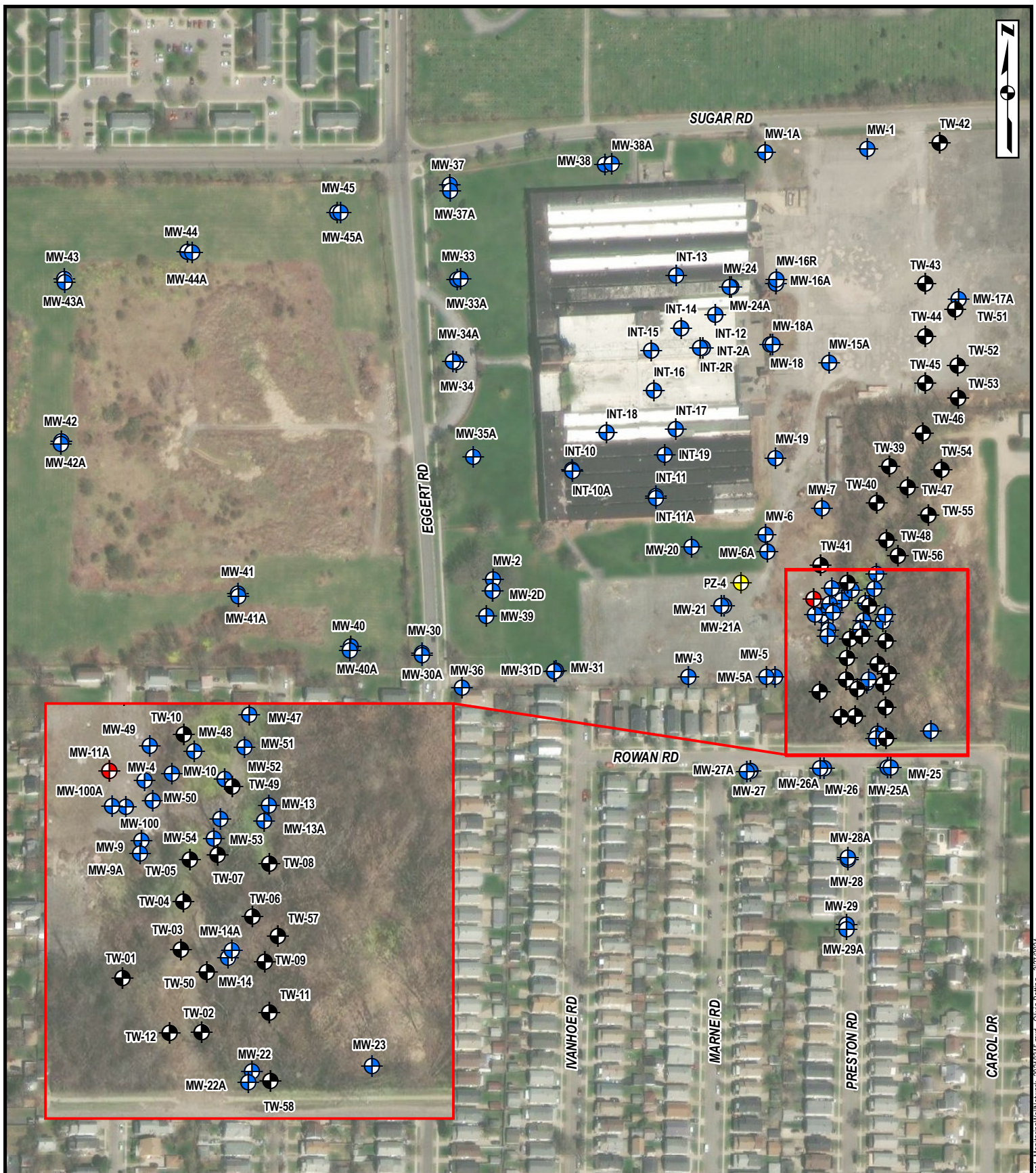


Tim Daniluk, P.G.

Project Manager

Attachments:

Figure 1: Monitoring Well Network



Legend

- Monitoring Well Location
- Piezometer Location
- Extraction Well Location
- Temporary Well Location
- Site Property Boundary

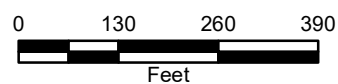


Figure 1:

Monitoring Well Network
Former Leica, Inc. Facility
203 Eggert Road
Cheektowaga, New York



Source: ESRI World imagery. Reproduced under license with ArcGIS 10.8.2