

CORRECTIVE MEASURES SUMMARY REPORT



Elderlee, Inc.

Prepared for:

**Elderlee, Inc.
729 Cross Road
Oaks Corners, New York**

Site Location:

**729 Cross Road
Oaks Corners, New York**

September 2018

Prepared by:



**1667 Lake Avenue
Building 59, Suite 101
Rochester, New York 14615
585-313-9683**

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Section 1

NEU-VELLE, LLC.

Introduction

1.0 Introduction

This Corrective Measures (CM) Summary Report (SR) has been prepared by NEU-VELLE, LLC. (NEU-VELLE) on behalf of Elderlee, Inc. The objective of the project in accordance with the approved New York State Department of Environmental Conservation (NYSDEC) work plan was to:

- Minimize migration of groundwater from the site due to the on-site dewatering pump station;
- Minimize the impact from off-site stormwater flow onto the site; and
- Reduce the inflow and infiltration (I&I) of groundwater into the existing stormwater system.

The activities conducted for this project were completed in accordance with the guidance presented in the NYSDEC MSGP corrective action procedures detailed in Part IV.B.1.c.(6).

Section 2

NEU-VELLE, LLC.

Site Location and Description

2.0 Site Description

The Elderlee Facility is located at 729 Cross Road in the hamlet of Oaks Corners, Ontario County, New York, in a generally rural area. Several residences are located to the north of the plant on the north side of Cross Road. Several residences and municipal and commercial buildings are located to the west of the property. Property to the east consists of a former gravel pit, while lands to the south consist of a pond and farm fields.

2.1 Site Location and Use

The subject site is located at 729 Cross Road, Oaks Corners, New York. Elderlee's steel processing area is located on 55 acres and includes seven buildings: galvanizing plant, steel plants No. 1 and No. 2, sign manufacturing plant, steel storage shed, Quonset Hut, and main office. A large portion of the steel processing area is dedicated to the storage and staging of galvanized products prior to shipping.

Latitude (North): 42°55'51.72"N

Longitude (West): 77°0'22.04"W

2.2 Site History

A portion of this Site is listed by the NYSDEC as an inactive hazardous waste disposal site under ID# 835014. The site has been utilized to manufacture road signs, galvanized highway bridge rail, and guide rails since approximately 1968.

Area A is a location of two (2) former settling lagoons that are located north of the galvanizing plant and used for neutralizing waste sulfuric acid until approximately 1984. Elevated levels of zinc and lead were detected in soil samples collect from the former lagoon area. A Remedial Investigation/Feasibility Study (RI/FS) was conducted at the Site in the fall of 1995. The RI/FS was finalized in 1998 and a Record of Decision (ROD) was signed in March 1998. The ROD specified asphalt capping of the former lagoon area combined with continued semi-annual ground water monitoring of selected wells located within, and downgradient, from Area A. The sampling frequency was subsequently reduced to annual sampling.

2.3 Physical Setting

The current land use of the area is urban and surrounding uses are primarily residential in nature with some commercial and industrial properties. The features surrounding the subject site is described below.

North	Cross Road and buildings to the north residential properties
South	Farm fields to the south.
East	Former Gravel Quarry to the east.
West	The properties are residential properties to the west.

2.3.1 Site Topography and Hydrology

The subject site is relatively flat and slightly slopes to the Southeast with a site elevation at 460 feet above mean sea level. Groundwater flow direction in the area is anticipated to flow Northeast. Surface water in the area percolates into surrounding soil, evaporates, or flows via sheet flow or is collected in the on-site stormwater collection system for discharge to the on-site pond. The nearest significant body of water is an unnamed creek which is located approximately 0.4 miles northeast of the subject property and discharges into Flint Creek. National wetlands and 100-year FEMA flood zone is identified to be outside of the subject site in Zone C.

Section 3

NEU-VELLE, LLC.

Scope of Work

3.0 Scope of Work

The corrective measures approach for the site involved three (3) main areas:

- Closure of the existing dewatering pump station
- Installation of a drainage swale to reduce sheet flow onto the site, and reduce inflow;
- Lining portions of the stormwater collection system to reduce infiltration (I&I) of groundwater into the existing system.

3.1 Community Air Monitoring

During soil removal activities (drainage swale installation), air monitoring was performed to evaluate the exposure of project personnel as well as off-site receptors to chemical and physical hazards, verify the effectiveness of engineering controls, evaluate the effectiveness of site control measures, and to determine the proper level of PPE. The ambient air monitoring program consisted of one monitoring station located immediately downwind of subgrade excavation, grading, and material handling activities and one monitoring location located upwind of invasive activities. The monitoring was conducted in accordance with the NYSDEC TAGM No. 4031, “Fugitive Dust Suppression and Particulate Monitoring Program at Inactive Hazardous Waste Sites (October 27, 1989). No exceedances were observed during excavation activities.

3.2 Inflow and Infiltration Reduction

Prior to corrective measures activities, groundwater migration pathways were evaluated at the site. Based on the evaluation, significant flow was observed (5 to 10 gallons per minute) in one segment of the stormwater sewer system and was later confirmed via video inspection that separated joints was allowing groundwater to enter the storm sewer system. In addition, a stormwater inlet was allowing groundwater to enter the system at its invert. Therefore, as a corrective measure and to minimize the migration of groundwater from the site, this segment of the stormwater system was repaired using a cast-in-place resin lining by Precision Trenchless, LLC of Schenectady, New York.

3.3 Drainage Swale

To reduce the amount of sheet flow stormwater from entering the site from the east and causing on-site flooding issues during significant precipitation events, a drainage swale was installed along the eastern side of the property which conveys stormwater to the existing stormwater retention pond located southeast of the facility. The drainage is approximately 20 feet in width, with a 2 on 1 side slope, and in a “V” design configuration. The swale is approximately 550 foot in length and has been seeded to promote natural vegetative (grass) on its sides and bottom. Until appropriate vegetation is established, erosion control measures (i.e., hay bales, silt fencing) will be maintained. An “as-built” drawing of the drainage swale is presented in Appendix A.

3.4 Closure of Dewatering Pump Station

To minimize the potential for migration of groundwater off the site, the existing dewatering pump station has been removed and closed. The existing dewatering pump station consisted of a concrete pit and submersible pumping system. To complete the closure, the existing submersible pump was removed, all piping exiting the pit was capped/plugged, and the pit was filled with clean stone (i.e., NYSDOT #2 stone) to grade.

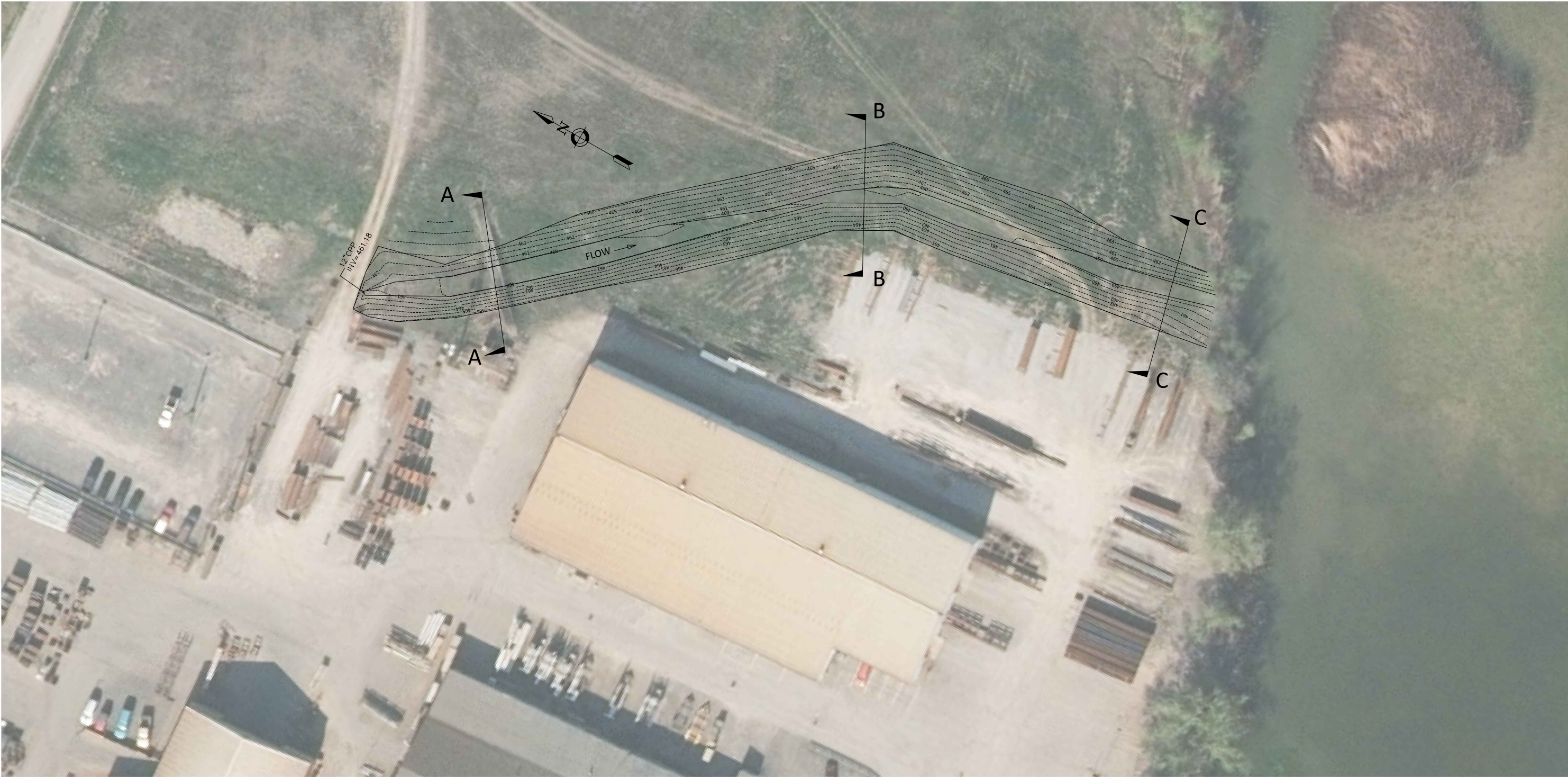
3.5 Groundwater Flow

Following installation of the drainage swale, groundwater levels were taken from the existing on-site monitoring wells. Groundwater flow maps prior to and after the installation of the drainage swale are presented in Appendix C.

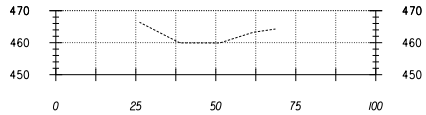
Appendix A

NEU-VELLE, LLC.

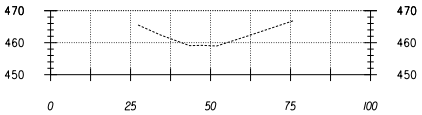
Figures



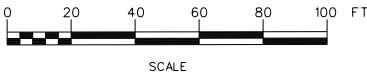
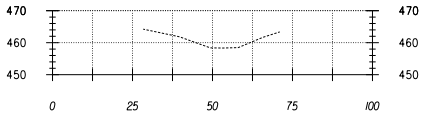
Section A-A




Section B-B



Section C-C



NO.		DATE		APP.		REVISION		NO.		DATE		APP.		REVISION		ELDERLEE, INC				CHECKED		DATE		CORRECTIVE ACTION MAP				SHEET NO.			
																729 CROSS ROAD, OAKS CORNERS, NY				DESIGN ENGINEER								1		REV. NO.	
																 1667 LAKE AVENUE ROCHESTER, NEW YORK 14615				PROJECT ENGINEER											
																				PROJECT MANAGER											
																		APPROVED				DESIGN		DATE		REVISION DATE:					
																		APPROVED				SCALE		JOB NO.		FILE NAME:		SHEET 1 OF 1			

Appendix B

NEU-VELLE, LLC.

Drainage Swale Photographs







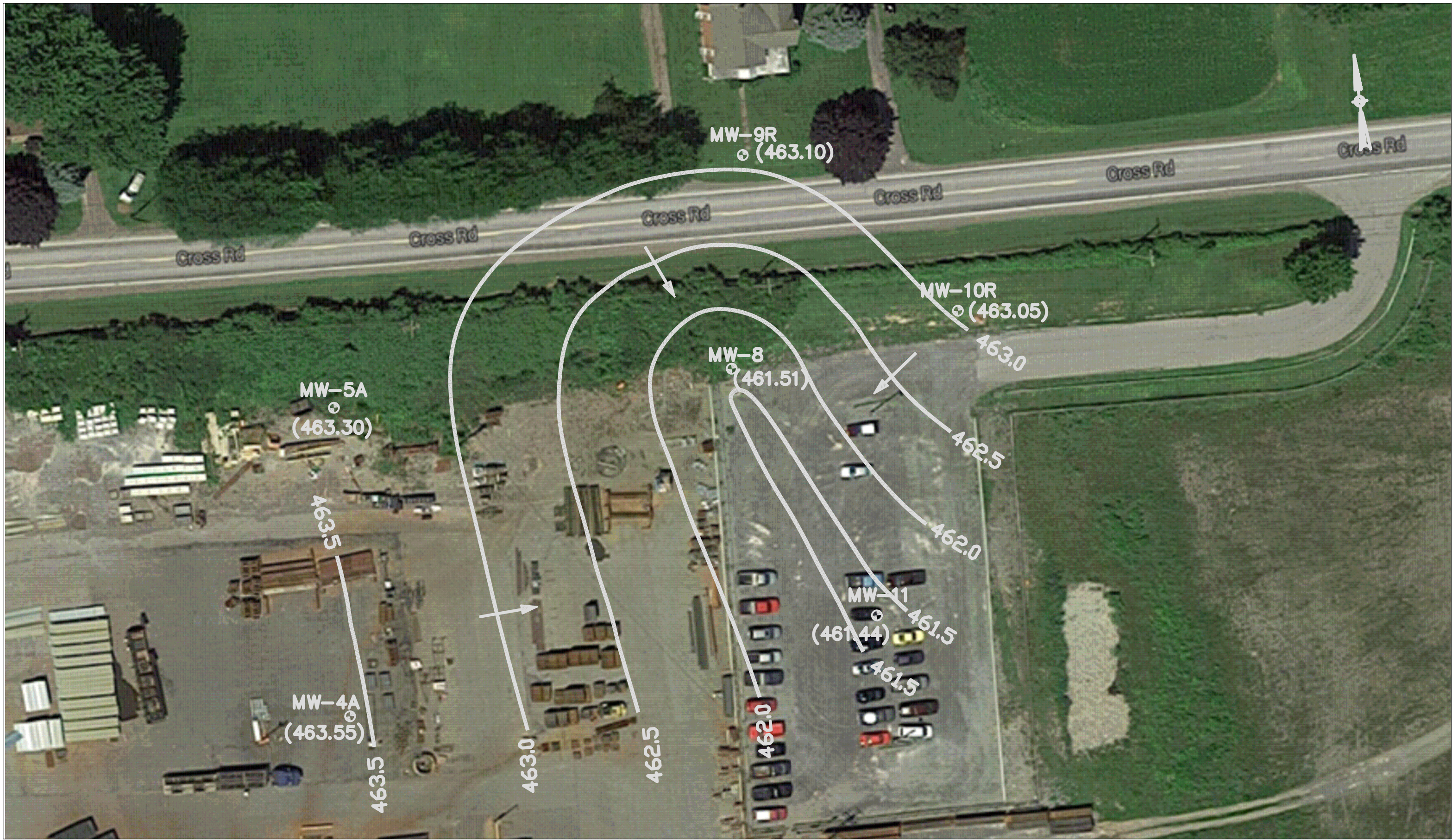




Appendix C

NEU-VELLE, LLC.

Groundwater Flow Maps



NO.	DATE	APPR.	REVISION	NO.	DATE	APPR.	REVISION

ELDERLEE, INC. - AREA A

729 CROSS ROAD, OAKS CORNERS, NY

1667 LAKE AVENUE
ROCHESTER, NEW YORK 14615

CHECKED	JAM	DATE	5/2017
DESIGN ENGINEER	JAM	DATE	5/2017
PROJECT ENGINEER	JAM	DATE	5/2017
PROJECT MANAGER	JAM	DATE	5/2017
APPROVED	JAM	DATE	5/2017
APPROVED	JAM	DATE	5/2017

GROUNDWATER CONTOUR MAP

MAY 1 2017

DRAWN	JAM	DATE	MAY 2017	REVISION DATE	
SCALE	NOT TO SCALE	JOB NO.		FILE NAME	

DRAWING NO.

3

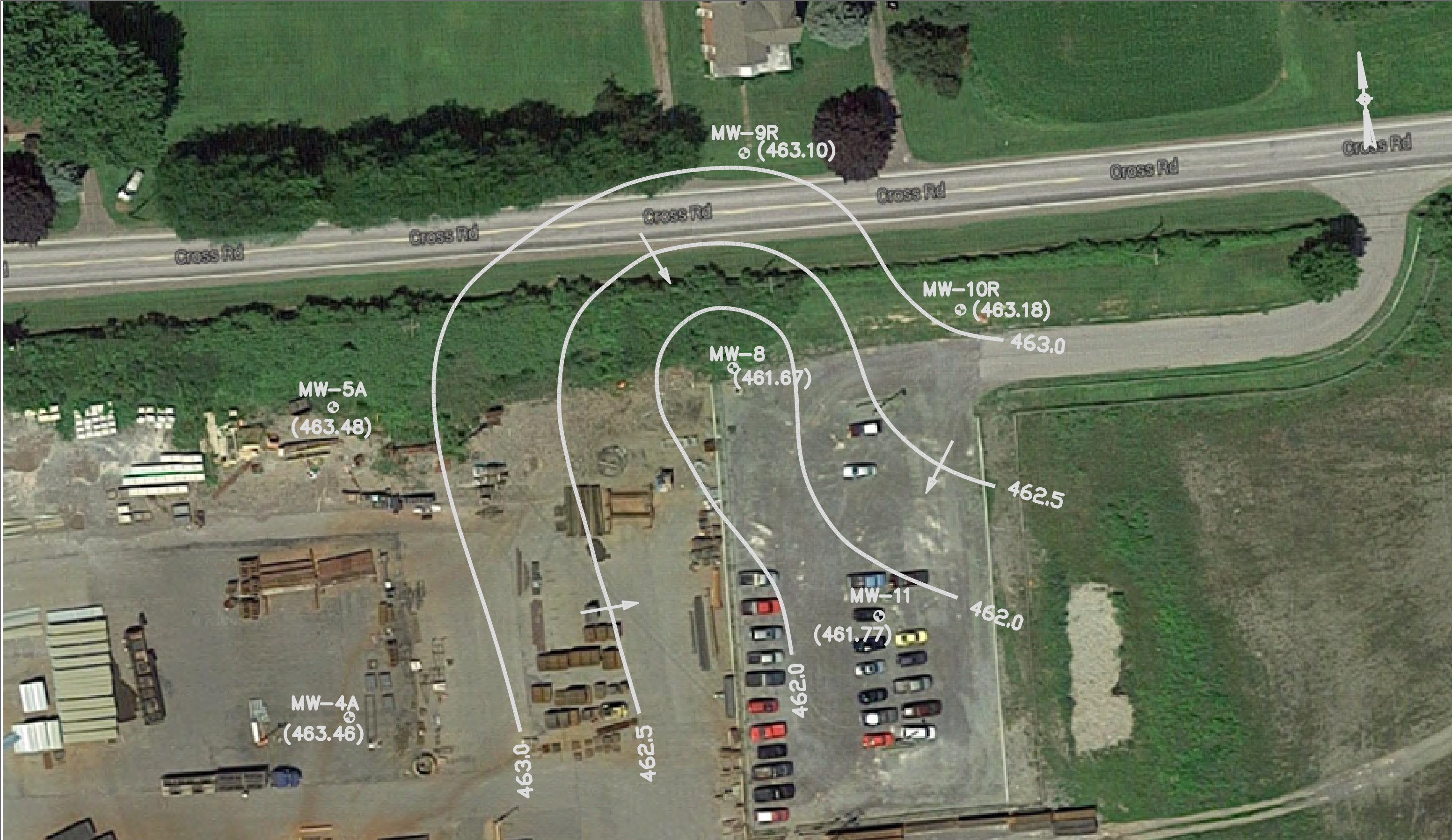
REV. NO.

SHEET

1

OF

1



NO.	DATE	APPR.	REVISION	NO.	DATE	APPR.	REVISION

ELDERLEE, INC. - AREA A

729 CROSS ROAD, OAKS CORNERS, NY

1667 LAKE AVENUE
ROCHESTER, NEW YORK 14615

CHECKED	JAM	DATE	5/2018
DESIGN ENGINEER	JAM	DATE	5/2018
PROJECT ENGINEER	JAM	DATE	5/2018
PROJECT MANAGER	JAM	DATE	5/2018
APPROVED	JAM	DATE	5/2018
APPROVED	JAM	DATE	5/2018

GROUNDWATER CONTOUR MAP

MAY 2 2018

DRAWN	JAM	DATE	MAY 2018	REVISION DATE:
SCALE:	NOT TO SCALE	JOB NO.		FILE NAME:

DRAWING NO.

3

REV. NO.

SHEET

1

OF

1

Appendix D

NEU-VELLE, LLC.

Engineering Certification

PROFESSIONAL ENGINEER CERTIFICATION

CORRECTIVE MEASURES SUMMARY REPORT

ELDERLEE, INC.
729 Cross Road, Oaks Corners, New York

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Engineer: Albert G. Lyons, Jr
Signature: Albert G. Lyons, Jr
Registration Number: 074710
Date: 9/28/18



Appendix E

NEU-VELLE, LLC.

IC/EC Certification



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

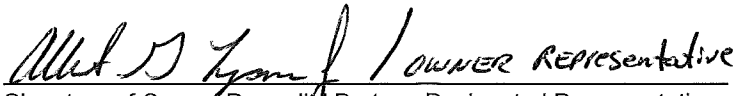


Site Details		Box 1	
Site No.	835014		
Site Name Elderlee, Inc.			
Site Address: 729 CROSS ROAD		Zip Code: 14518	
City/Town: Oaks Corners			
County: Ontario			
Site Acreage: 2.0			
		YES	NO
1. Is the information above correct?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
If NO, include handwritten above or on a separate sheet.			
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.			
5. Is the site currently undergoing development?		<input type="checkbox"/>	<input checked="" type="checkbox"/>

		Box 2	
		YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial		<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Are all ICs/ECs in place and functioning as designed?		<input checked="" type="checkbox"/>	<input type="checkbox"/>

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.


Signature of Owner, Remedial Party or Designated Representative

9/28/18
Date

SITE NO. 835014

Box 3

Description of Institutional Controls

Parcel

Owner

Institutional Control

O&M Plan

Site is fenced with security.

Former waste lagoons are capped with asphalt.

Deed notice developed.

Box 4

Description of Engineering Controls

Parcel

Engineering Control

Cover System

Fencing/Access Control

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

☒ ☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

☒ ☐

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Alfred D. Young OWNER REPRESENTATIVE

Signature of Owner, Remedial Party or Designated Representative

9/28/18

Date

IC CERTIFICATIONS
SITE NO. 835014

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1, 2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Albert G. Lyons, Jr at new-velle LLC
1667 LAKE AVE, Bldg 59, SUITE 101
Rochester, NY 14615
print name print business address

am certifying as Owner Representative (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Albert G. Lyons, Jr / OWNER REPRESENTATIVE
Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

9/28/18
Date

IC/EC CERTIFICATIONS

Box 7

Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Albert G. Lyons, Sr at Neu-velle LLC
1667 Lake Ave, Bldg 59, Suite 101
Rochester, NY 14615
print name print business address

am certifying as a for the Owner Representative
(Owner or Remedial Party)

Albert G. Lyons, Sr.

Signature of , for the Owner or Remedial Party,
Rendering Certification



Stamp
(Required for PE)

9/28/18

Date