SHORT TERM RESPONSE ACTION WORK PLAN

Study Area
Corning, NY

NYSDEC Project ID 851046

July 2020

Prepared for:

Corning Incorporated
Corning, New York

Prepared by:

AECOM Technical Services, Inc.
Latham, New York 12110

Project Number 60599493

Certifications

I, Michael J. Doherty, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Work Plan was prepared in accordance with all applicable standards and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

Executed on the 8th day of July 2020

AECOM Technical Services, Inc.

_____ (Signature)

Michael J. Doherty, P.E.

Project Manager

1. INTRODUCTION

This Short Term Response Action Work Plan has been prepared in response to the New York State Department of Environmental Conservation (NYSDEC) correspondence of May 18, 2020 which notified Corning Incorporated of the presence of areas of ash, brick and/or glass in the Flood Control Areas in Operable Unit 4 (OU4) and the Residential Area at the Eastern End of Corning Boulevard (OU2) of the Study Area in Corning, New York. Corning Incorporated has entered into an Order on Consent and Administrative Settlement (NYSDEC, 2017f) with the New York State Department of Environmental Conservation (NYSDEC) to perform remedial activities and additional characterization activities within the Study Area. This Short Term Response Action Work Plan has been prepared by AECOM Technical Services, Inc. (AECOM) on behalf of Corning Incorporated. Work activities described herein will begin within 30 days following NYSDEC approval of the Work Plan.

The Study Area is NYSDEC Project ID No. 851046 located in the City of Corning, New York, as illustrated on Figure 1-1. In general, the Study Area is bound by the Chemung River to the south; Post Creek and Interstate 86 to the east and north; and the Guthrie Medical Center, the City of Corning Fire Department, and Centerway to the west. The Study Area is separated into five operable units (OUs), based on location and land use, to assist in advancing properties through the remedial process. The five OUs in the Study Area are identified as follows: the Residential Area (OU1), the Residential Area at the Eastern End of Corning Boulevard (OU2), School/Community Use Areas (OU3), Flood Control Areas (OU4), and the Residential Expansion Area (OU5). The Study Area and OUs are depicted on Figure 1-2. This Short Term Response Action Work Plan applies only to limited portions of OUs 2, 3 and 4.

Corning Incorporated has authority from the City of Corning to address the areas within OU4 and will seek authority from the Corning Painted Post School District (CPPSD) to address the areas within OU3 included in this Short Term Response Action. Corning Incorporated also has authority from Corning Property Management Corporation to address the areas within OU2 included in this Short Term Response Action.

The purpose of the Short Term Response Action is to limit potential exposure to exposed ash, brick and/or glass.

All work will be completed with the Study Area Health and Safety Plan.

2. VISUALLY IDENTIFIED ASH, BRICK AND/OR GLASS

Ash, brick and/or glass was observed on the surface in areas of OUs 2, 3 and 4 beyond the east end of Corning Boulevard. Figure 2-1 depicts these locations. The ash, brick and/or glass appears to be present as a result of rodent burrowing activity, due to the presence of small burrow holes in locations where ash, brick and/or glass have been observed on the surface. Most of the burrow holes are located on the western embankment along the OUs 2 and 4 boundary and the OUs 3 and 4 boundary. Two burrow holes are located in a flat section adjacent to the overhead utility lines support foundations.

3. SHORT TERM RESPONSE ACTION

3.1 MOBILIZATION AND WORK AREA SETUP AND MONITORING

Ash, brick and/or glass will be removed from the surface from those locations depicted on Figure 2-1. In addition, ash, brick and/or glass, visually identified during a pre-mobilization field review, will also be removed. The pre-mobilization meeting will be attended by NYSDEC, Corning Incorporated, Corning Incorporated's contractor and AECOM personnel.

Corning Incorporated's contractor will establish a temporary equipment staging area at the east end of Corning Boulevard. Security fencing and/or safety fencing will be placed, as necessary, to isolate work areas. Erosion controls will be established in all work areas, as necessary. The contractor will perform utility clearance including New York Dig Safe and use of ground penetrating radar (GPR), prior to beginning excavation.

Air monitoring will be performed during the work in accordance with the approved Community Air Monitoring Plan (CAMP)

3.2 REMOVAL ACTIVITIES

Ash, brick and/or glass will be removed from the surface from those locations depicted on Figure 2-1 and areas identified during the pre-mobilization field review meeting. It is anticipated that small earthwork and transport equipment as well as hand tools will be used to collect and containerize the ash, brick and/or glass. Removal will be completed by excavating approximately 6”-12” deep in each area where the ash, brick and/or glass material is visible on the surface.

The horizontal limits of removal are unique to each area but in general, they range in size from approximately 3’ x 3’ to 6’ x 6’ and one area is approximately 8’ x 12’. A roll-off or 55-gallon drums will be used to containerize excavated material. The containerized material will be transported to the Staging Area on Woodview Avenue. The container(s) will be labeled, and samples will be collected for waste disposal characterization. A data usability report will be prepared and submitted to NYSDEC for review and approval following receipt and validation of laboratory results.

Areas of ash, brick and/or glass visible on the surface may be covered without excavation, in consultation with and as determined by NYSDEC during the pre-mobilization field review meeting.

The containers(s) will then be transported from the Staging Area and disposed in accordance with applicable NYSDEC waste regulations.

Equipment used during removal activities will be dry decontaminated prior to departure from the work area, transported to the Staging Area and then wet decontaminated. Decontamination fluids will be collected within the decontamination pad, characterized and then transported for disposal.

Corning Incorporated’s representatives and representatives from NYSDEC will provide oversight during removal of visually identified ash, brick and/or glass.

3.3 RESTORATION

Restoration will immediately follow removal activities. The excavated areas will be backfilled with NYSDEC-approved granular backfill materials to within 6" of the surface and hand tamped for compaction. The top 6" will be restored with a stone material meeting the following gradation requirements in order to minimize the potential for erosion on the sloped areas. The restoration materials will be placed without compaction.

Sieve Size Designation	Percentage Passing by Weight
6" maximum dimension	90-100
2"	0-30
¼"	0-10

The southern-most excavation area will be restored with 6" of NYSDEC approved topsoil and seeded.

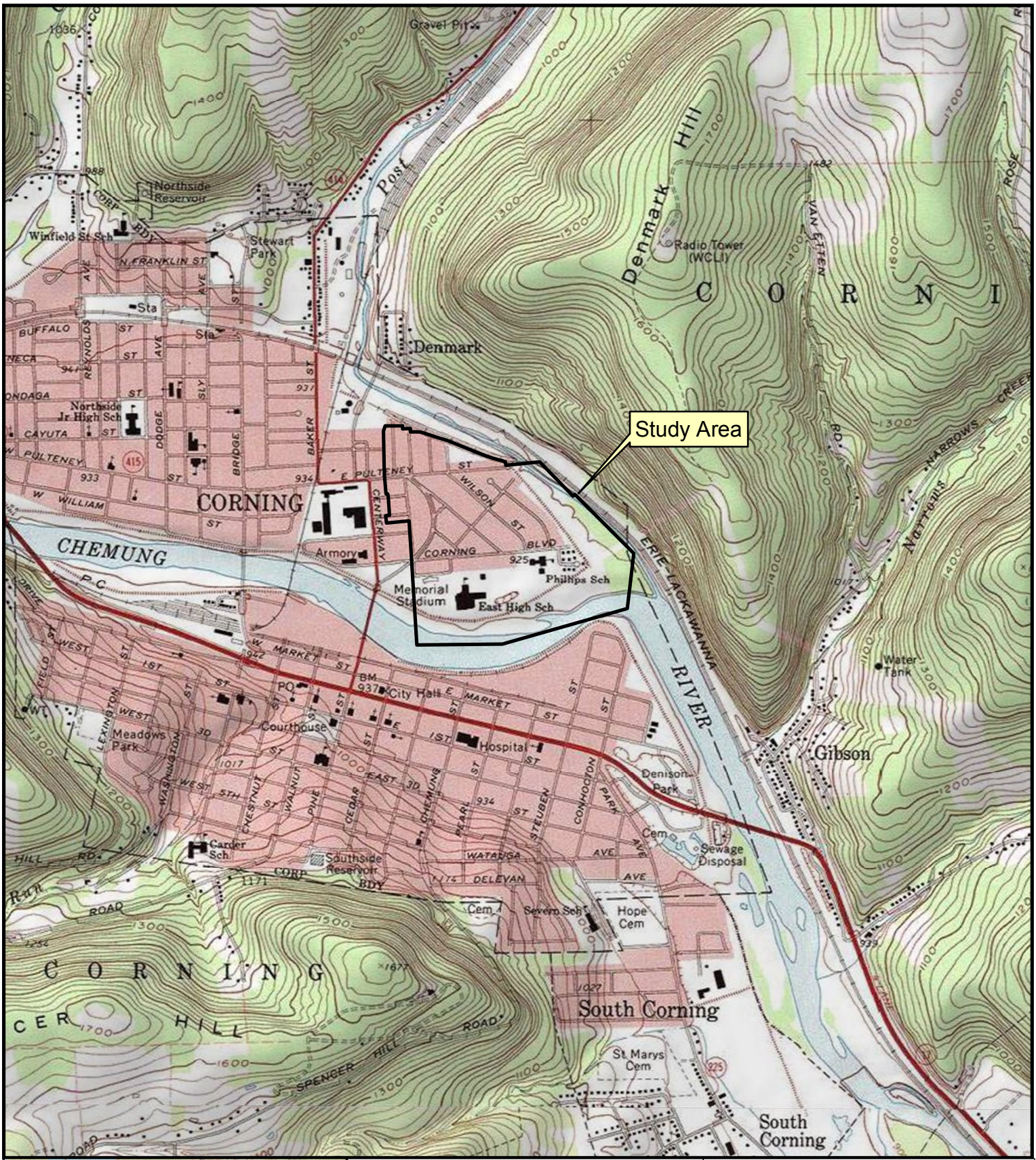
Areas that NYSDEC determines do not require excavation will be covered with NYSDEC-approved granular backfill and/or stone material in sloped areas and topsoil and seed in other areas.

4.0 DOCUMENTATION AND MONITORING

The location and extent of removal activities and restoration will be documented by a New York State licensed land surveyor. Photographs will also be collected. A letter report will be prepared and submitted to NYSDEC summarizing the work and documenting the locations and extent of removal activities, restoration, laboratory analysis, data validation and transportation and disposal of the excavated material.

All areas associated with the Short Term Response Action Work Plan will be monitored on a monthly basis to confirm that cover is still in place and intact. If necessary, additional cover materials will be placed if ash, brick and/or glass are identified at the surface in the work areas.

FIGURES



USGS 7.5 Minute Quadrangle Corning NY, 1971

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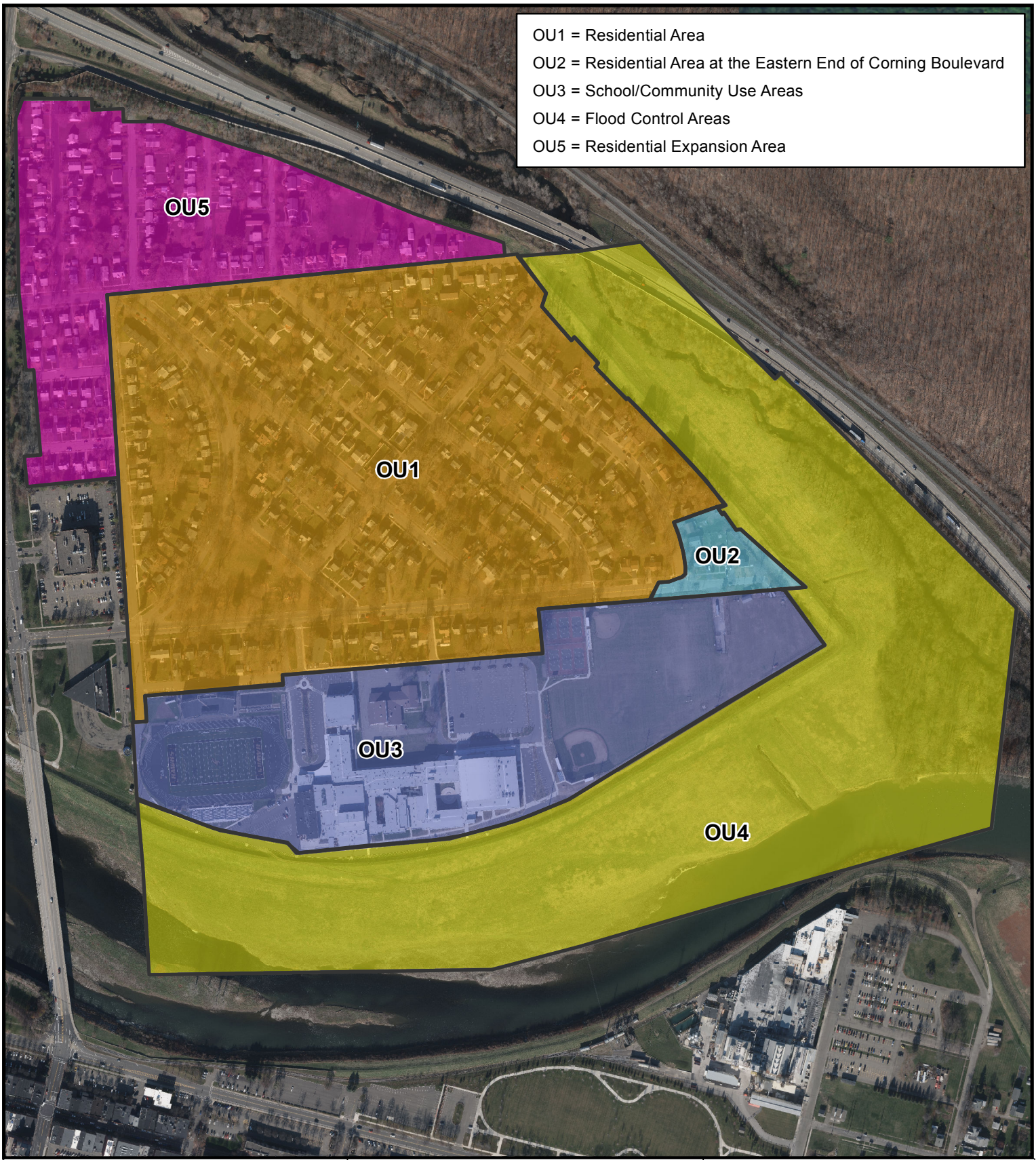
Figure 1-1
Location of Study Area

Corning, NY

Document Name: Site_Location.MXD



Legend

Operable Units

- OU1
- OU2
- OU3
- OU4
- OU5

N
W E
S

0 250 500 Feet

Base Imagery:Robinson Aerial Imagery, Dec 2015
Coordinate System: NAD 1983 State Plane
New York Central Feet
Datum: NAD83. Units: Feet

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Figure 1-2
Study Area Operable Units

Corning, NY

Document Name: Study_Area_OU_no_labels.MXD

MAP REFERENCE:

1. SURVEY AND LOCATION OF VISUALLY IDENTIFIED ASH, BRICK AND/OR GLASS TAKEN FROM SURVEY PERFORMED BY HUNT ENGINEERS, ARCHITECTS SURVEYORS OF HORSEHEADS, NY DATED 5/27/20, UPDATED 6/24/20.
2. BACKGROUND IMAGERY FROM MICROSOFT CORPORATION DIGITALGLOBE 2020.

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Figure: 2-1

LOCATIONS OF VISUALLY IDENTIFIED SUBJECT MATERIAL

RESIDENTIAL PROPERTIES REMEDIAL ACTION
STUDY AREA IN CORING, NEW YORK
CORNING, INCORPORATED
Project No.: 60599493 Date: JUNE 25, 2020

Project Management Initials: Designer:____ Checked:____ Approved:____ ANSI B 11" x 17"

Last saved by: MEISTERK(2020-07-01) Last Plotted: 2020-07-01
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