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US ARMY CORPS OF ENGINEERS, NEW YORK DISTRICT
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26 February 2024

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SUBJECT: Final Land Use Controls Inspection for the Former Seneca Army Depot in Romulus, NY; EPA Site ID# NY0213820830 and NY Site ID# 8-50-006

Dear Ms. Treinen, Ms. Sweet, and Mr. Sergott:

On behalf of the Army, please find attached the Final Land Use Controls Inspection Report for the Former Seneca Army Depot, located in Romulus, New York. The document details the Land Use Control inspection activities conducted in 2023.

If you have any questions about the attached document, please call me at 917-575-1819.

Sincerely,

Digitally signed by GALLO.CHRISTOPHER.T.1604778820
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Christopher T. Gallo
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2023 LAND USE CONTROLS INSPECTION REPORT FINAL

Former Seneca Army Depot
Romulus, New York

PREPARED FOR:

U.S. Army Corps of Engineers
Engineering And Support Center, Huntsville
5021 Bradford Drive East
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CONTRACT NO. W912DY22D0131
TASK ORDER NO. W912DY22F0374

February 2024

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2023 Land Use Controls Inspection Report
Former Seneca Army Depot
Romulus, New York

Contract No. W912DY22D0131
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Prepared for

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February 2024

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LIST OF ACRONYMS AND ABBREVIATIONS

µg/L	Microgram(s) per liter
%	Percent
AFFF	Aqueous film-forming foam
AOC	Area of concern
ASR	Archives Search Report
BTEX	Benzene, toluene, ethylbenzene, and xylene
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	Contaminant of concern
cPAH	Carcinogenic polycyclic aromatic hydrocarbon
DRMO	Defense Reutilization and Marketing Office
EA	EA Engineering, Science, and Technology, Inc., PBC
EE/CA	Engineering Evaluation/Cost Analysis
EOD	Explosive ordnance disposal
EPA	U.S. Environmental Protection Agency
ESI	Expanded site investigation
FS	Feasibility Study
HA	Health advisory
HI	Hazard index
IRFNA	Inhibited red-fuming nitric acid
LTM	Long-term monitoring
LUC	Land use control
MD	Munitions debris
MEC	Munitions and explosives of concern
MCL	Maximum contaminant level
mm	Millimeters(s)
MPPEH	Material potentially presenting an explosive hazard
MRS	Munitions response site
NCFL	Non-Combustible Fill Landfill
NYCRR	New York State Code of Rules and Regulations
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
OB	Open burning

LIST OF ACRONYMS AND ABBREVIATIONS (continued)

OE	Ordnance and explosives
PAH	Polycyclic aromatic hydrocarbon
Parsons	Parsons Corporation
PCB	Polychlorinated biphenyl
PFAS	Per- and polyfluoroalkyl substances
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctanesulfonic acid
PID	Planned Industrial/Office Development
ppm	Part(s) per million
QA	Quality assurance
RD	Remedial design
RCRA	Resource Conservation and Recovery Act
RI	Remedial investigation
ROD	Record of Decision
SAR	Small Arms Range
SEAD	Former Seneca Army Depot
SCO	Soil cleanup objective
SI	Site investigation
SWMU	Solid waste management unit
SVOC	Semivolatile organic compound
TAGM	Technical and Administrative Guidance Memorandum
TAL	Target Analyte List
TCL	Target Compound List
TCRA	Time-critical removal action
UU/UE	Unlimited use/unrestricted exposure
VOC	Volatile organic compound
Weston	Weston Solutions

ES. EXECUTIVE SUMMARY

ES-1. This document serves as the 2023 annual review of the land use controls (LUCs) imposed on 41 areas of concern (AOCs) at the Former Seneca Army Depot located in Romulus, New York (**Appendix A, Figure A-1**). The purpose of this annual review is to satisfy the requirements of the LUC Remedial Design to provide a summary of the historical background of each AOC, review the LUCs, and inspect each AOC to determine if there are any changes in the land use that may violate these LUCs. A summary of the LUC imposed at each AOC is provided in **Table 1**. Recommendations regarding the frequency of monitoring and any proposed exit strategies will be discussed in the next (fourth) Five-Year Review in 2026.

ES-2. This review found that the operable unit remedies are functioning as intended by their respective Decision Documents and LUC Remediation Design documents **(Table 2**), and the LUCs are protective of human health and the environment. Furthermore, upon careful consideration, the following recommendations for all sites are as follows:

- Continue the periodic review of the LUCs every 5 years.
- Review the LUCs and identify ramp-down or exit strategies.
- Issue letters to current landowners annually, and request response from landowner on the status of their property's use and anticipated development (**Appendix E**).

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1. INTRODUCTION

1.1 This Land Use Controls (LUC) Inspection Report prepared by EA Engineering, Science, and Technology, Inc., PBC (EA) presents the results of the LUC inspections conducted on 20 June and 26-29 June 2023 at 41 LUC sites located at the Former Seneca Army Depot (SEAD), Romulus, New York (**Appendix A, Figure A-1**). The LUC Remediation Design documents require an annual certification of the effectiveness of the LUCs. The purpose of the annual LUC inspections is to determine landowner compliance with LUCs required at the former Seneca Army Depot in order to ensure that human health and the environment continue to be adequately protected. The last Five-Year Review Report was issued in August 2021 (Parsons Corporation [Parsons] 2021a).

1.2 The report is organized into seven areas which have common or similar land use and LUCs. The location of each area of concern (AOC) (e.g., SEAD-1) and the current land use are depicted on **Figure A-2 in Appendix A**. The LUC objectives are summarized in each section below as defined in the applicable Record of Decision (ROD) for each SEAD site (referenced below). The seven areas and the "SEAD" site designations within them are organized as follows:

- Section 2.1 – Planned Industrial/Office Development (PID) and Warehousing Area: SEADs 1, 2, 5, 16, 17, 25, 26, 27, 39, 40, 59, 64A, 66, 67, 71, 121C, and 121I (Parsons 2004a, 2004b, 2005b, 2006f, 2007a, 2008, 2009a, and 2009b)

- Section 2.2 – Prison Area: SEADs 43, 44A, 44B, 52, 56, 62, 64C, and 69 (Parsons 2007a)

- Section 2.3 – Airfield Parcel: SEADs 122B and 122E (Parsons 2007a)

- Section 2.4 – Ash Landfill Operable Unit: SEADs 3, 6, 8, 14, and 15 (Parsons 2005c)

- Section 2.5 – North End Institutional Area: SEAD-41 (Parsons 2007a)

- Section 2.6 – Other Areas: SEADs 12, 13, 64B and 64D (Parsons 2007a, 2015)

- Section 2.7 – Former Munitions Response Sites: SEADs 002-R-01, 003-R-01, 007-R-01, and 46.

1.3 The LUCs in place at each SEAD site will continue until the concentrations of hazardous substances in the soil and groundwater are reduced to levels that allow for unlimited use/ unrestricted exposure (UU/UE). For each SEAD site that was subject to annual LUC inspections, this LUC Inspection Report contains a summary of the site history, site contamination, remedial actions (if conducted), applicable LUCs (**Table 1**), and the observations from the LUC inspection. Applicable Decision Documents and LUC Remedial Design (RD) documents for each site are presented in **Table 2**. A photographic log is available in **Appendix B** and depicts the current conditions at each AOC. Field inspection forms are presented in **Appendix C** and the latest LUC RD document is available in **Appendix D**. The location of each AOC are depicted on **Figure A-2.**

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2. ASSESSMENT OF LAND USE CONTROLS

2.1 PLANNED INDUSTRIAL/OFFICE DEVELOPMENT AND WAREHOUSE AREA

2.1.1 Summary of PID/Warehouse Area LUC Objectives and Restrictions

2.1.1.1 Seventeen SEADs (SEADs 1, 2, 5, 16, 17, 25, 26, 27, 39, 40, 59, 64A, 66, 67, 71, 121C, and 121I) located within the PID/Warehouse Area were subject to LUC inspection (**Figure A-2**). LUCs were selected as the remedy, or part of the remedy, at each of the SEADs. Not all of the SEAD AOCs located within the PID/Warehouse Area were assigned LUCs; however, based on the planned reuse of the PID/Warehouse Area by the Seneca County Industrial Development Authority, the entirety of the PID/Warehouse Area and the SEADs within this area are subject to institutional controls in the form of two common LUC objectives (**Table 1**) (Parsons 2004a):

- Prohibit the development and use of property for residential housing, elementary and secondary schools, childcare facilities and playground activities.

- Prevent access to or use of the groundwater until New York State (NYS) Class GA Groundwater Standards are met.

2.1.1.2 Groundwater use restrictions will continue until groundwater constituent concentrations have been reduced to levels that allow for unlimited exposure and unrestricted use. With U.S. Environmental Protection Agency (EPA) and New York State Department of Environmental Conservation (NYSDEC) approval, once groundwater cleanup standards are achieved, the groundwater use restrictions will/may be eliminated. Additional LUCs that apply to specific SEADs are noted below in their site-specific section.

2.1.2 SEAD-1 Hazardous Waste Container Storage Facility (Building 307)

2.1.2.1 Site History

2.1.2.1.1 SEAD-1 (Building 307, the former Hazardous Waste Container Storage Facility) is located approximately 3,500 feet southwest of SEAD's main entrance off State Route 96 (**Appendix A, Figure A-2**). Building 307 was constructed in 1981 and was used for temporary storage of containerized hazardous wastes prior to their shipment off-site for disposal. During Building 307's active life, the ground surrounding the building was kept clear of vegetation.

2.1.2.1.2 Hazardous wastes stored at SEAD-1 included spent solvents, still bottoms, sludge from oil/grease separations, cleaning compounds, paper filters, waste polychlorinated biphenyls (PCBs), and spent battery acids. The storage of hazardous waste in Building 307 was subject to regulations promulgated under the Resource Conservation and Recovery Act (RCRA), 42 U.S.C. §§6901-63992k (Parsons 2009a). Building 307 was a hazardous waste conforming storage facility and an RCRA Closure was implemented and completed. The New York State Department of Environmental Conservation (NYSDEC) approved the RCRA Closure of the building in September of 2005 and indicated that the existing building should only be used for industrial operations in the future.

2.1.2.2 History of Contamination

2.1.2.2.1 A review of soil sample results indicated that 66 chemicals were detected in one or more of the individual soil samples characterized at SEAD-1. Information and data presented in the ROD (Parsons 2009a) indicated that hazardous constituents are present in the soil at SEAD-1 at levels that exceeded Federal and State guidance values and thus, may pose elevated risks to selected future populations (e.g., future residents), that could use the land. However, this site is located in areas where the planned future land use is defined as commercial and industrial, and potential future hazards or risks identified at this AOC is either suitable for the defined use, or associated with compounds that are present at concentrations that are equal to or less than naturally occurring levels.

2.1.2.3 Summary of Remedial Activities

2.1.2.3.1 NYSDEC approved the RCRA Closure of the building in September of 2005 and indicated that the existing building should only be used for industrial operations in the future (Parsons 2003). However, the NYSDEC deferred comment or determination on the acceptability of the exterior soils to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) program. As part of the CERCLA process, LUCs were selected as the remedy to address the soils.

2.1.2.4 Land Use Inspection Observations

2.1.2.4.1 SEAD-1 was inspected on 29 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B**, **Figure B-1**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.3 SEAD-2: PCB Transformer Storage Facility (Building 301)

2.1.3.1 Site History

2.1.3.1.1 SEAD-2, Building 301, is located in the east-central portion of SEAD, roughly 6,000 feet west, southwest of the SEAD's main entrance off State Route 96 (**Appendix A, Figure A-2**). The building is located on the eastern side of Fayette Road, which separates the PID and Warehouse Area from the former munitions igloo storage area, which occupies the inner core of the former Depot.

2.1.3.1.2 Building 301 was originally constructed in 1942. It was upgraded in 1986 to meet hazardous waste storage requirements required by RCRA. The exterior of Building 301 measures approximately 35 feet and 4 inches long by 23 feet and 4 inches wide. The structure is partially bounded on its east and west sides, and completely on its north side, by a raised concrete loading dock, and access ramp and stairway assembly. Building 301 was used as a PCB Transformer Storage Facility beginning in 1980 and continuing until SEAD closed in 2000 (Parsons 2009a). Building 301 was a hazardous waste conforming storage facility and a RCRA Closure was

implemented and completed. The NYSDEC approved the RCRA Closure of the building in September of 2005 and indicated that the existing building should only be used for industrial operations in the future.

2.1.3.2 History of Contamination

2.1.3.2.1 A review of the soil sample results for SEAD-2 indicated that 64 chemicals were detected in one or more of the individual soil samples characterized. A complete set of the analytical results obtained are provided in the ROD (Parsons 2009a). This site is located in an area where the planned future land use is defined as commercial and industrial and potential future hazards or risks identified at this site are either suitable for the defined use or associated with compounds that are present at concentrations that are equal to or less than naturally occurring levels.

2.1.3.3 Summary of Remedial Activities

2.1.3.3.1 A RCRA Closure was implemented and completed for Building 301 (SEAD-2). The NYSDEC approved the RCRA Closure of the building in September of 2005 and indicated that the existing building should only be used for industrial operations in the future. However, the NYSDEC deferred comment or determination on the acceptability of the soils located outside of the building to the CERCLA program. As part of the CERCLA process, LUCs were selected as the remedy to address the soils.

2.1.3.4 Land Use Inspection Observations

2.1.3.4.1 SEAD-2 was inspected on 29 July 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B**, **Figure B-2**. The status of Building 301 and the surrounding land at the time of the inspection is visible in Photograph 1. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.4 SEAD-5: Sewage Sludge Waste Piles

2.1.4.1 Site History

2.1.4.1.1 SEAD-5 is located in the east-central portion of SEAD, approximately 3,000 feet west-southwest of the Depot's main entrance off State Route 96 (**Figure A-2**). SEAD-5 encompasses an area measuring approximately 150 feet by 250 feet in size. Between 1980 and roughly June 1992, sewage sludge from two Army wastewater treatment plants was stockpiled at this SWMU. This area was also used as a location where the Depot's Department of Public Works type storage and staging area for heavy equipment, materials and supplies was located.

2.1.4.1.2 The historic sewage sludge waste piles were removed from SEAD-5, and disposed at off-site landfills, in accordance with prevailing environmental requirements. A time-critical removal action (TCRA) was performed at SEAD-5 between 2003 and 2006 to address hazardous

substance contamination that remained in soil underlying and surrounding the location of the historic sludge piles (Weston Solutions [Weston] 2006).

2.1.4.2 History of Contamination

2.1.4.2.1 Data for SEAD-5 indicate that hazardous substances and constituents that were present at levels that exceed Federal and State soil guidance values and at levels that pose potential risks to future industrial and commercial users or occupants of the land. The elevated risks were largely driven by concentrations of a single hazardous substance [benzo(a)pyrene] that were found at a few isolated, non-contiguous locations within the soil at the AOC. These elevated concentrations may be associated with asphalt pieces that have become intermixed with the soil at the AOC due to its historic use as a Department of Public Works type storage and staging area (Parsons Engineering Science [ES] 1995; Parsons 2009a).

2.1.4.3 Summary of Remedial Actions

2.1.4.3.1 At SEAD-5 a soil cover was constructed to inter a portion of SEAD-5 where analytical results from soil samples indicated that elevated levels of certain hazardous substances, including benzo(a)pyrene, were present at concentrations that posed potential human health risks to future industrial occupants and users of the land. The initial cover layer soil consisted of approximately 5,620 cubic yards of SEAD-59/71 stockpile soil. This soil covered approximately 1.57 acres of land. A layer of demarcation fabric was placed atop the initial layer of spread stockpile soil to delineate the lateral extent of the covered soil. The final cover layer consisted of approximately 2,400 cubic yards of off-site borrow material and 600-650 cubic yards of crushed concrete and gravel (Parsons 2009a and 2010).

2.1.4.4 Land Use Inspection Observations

2.1.4.4.1 SEAD-5 was inspected on 26 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site and no access to, or use of, groundwater was evident. No evidence of unauthorized excavations or digging was present at the site. The soil cap and vegetative cover was observed to be in good condition. Photographs from the LUC inspection are provided in **Appendix B**, **Figure B-3**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.5 SEAD-16: Abandoned Deactivation Furnaces

2.1.5.1 Site History

2.1.5.1.1 The former Abandoned Deactivation Furnace (SEAD-16) is located in the east-central portion of SEAD (**Appendix A, Figure A-2**). SEAD-16 consists of 2.6 acres of fenced land with grasslands in the north, east, and west, a former storage area for empty boxes and wooden debris, and an unpaved roadway in the south. Also previously located on-site was the building that housed the deactivation furnace, a smaller abandoned building known as the Process Support Building, two sets of SEAD railroad tracks, and some utilities. Two underground storage tanks were

removed from SEAD-16 and documented in a Final Closure Report for the Underground Storage Tank Removal (Science Applications International Corporation 1994).

2.1.5.1.2 SEAD-16 was used for the demilitarization of various small arms munitions. The process of deactivation of munitions involved heating the munitions within a rotating steel kiln, which caused the munitions to detonate. The byproducts produced during this detonation were then swept out of the kiln through the stack. SEAD-16 has been inactive and abandoned since the 1960s.

2.1.5.2 History of Contamination

2.1.5.2.1 The primary contaminants of concern (COCs) at SEAD-16 were arsenic, copper, lead, and zinc in surface soils and copper, lead, and zinc in surface water. Polycyclic aromatic hydrocarbon (PAH) compounds were detected in surface soils and sediments; metals, PAHs, and nitroaromatics were detected in the building samples. The most impacted soils were those adjacent to the abandoned deactivation furnace. Many of these compounds were present in concentrations that exceeded their respective NYSDEC guidelines. The COCs are believed to have been released to the environment during the former deactivation furnace's period of operation (approximately 1945 to the mid-1960s). Seven metals (aluminum, antimony, iron, lead, manganese, sodium, and thallium) were detected in groundwater samples at concentrations that exceeded the NYSDEC Ambient Water Quality Standards Class GA groundwater quality standards or Federal Maximum Contaminant Level (MCL) standards. Additional sampling of the groundwater indicated that elevated thallium concentrations may have been the result of high turbidity in the samples. PAHs, pesticides, antimony, cadmium, copper, lead, and nickel were found at elevated concentrations in all of the drainage ditches that were investigated at SEAD-16 (Parsons ES 1999a).

2.1.5.3 Summary of Remedial Actions

2.1.5.3.1 The selected remedy at SEAD-16 resulted in the removal of soil and groundwater as a pathway for potential receptors. Approximately 2,100 cubic yards of impacted soil were removed and disposed of at an off-site landfill. SEAD-16 was placed under a long-term monitoring (LTM) program for groundwater monitoring, which began in 2007, until concentrations are below the NYS Class GA groundwater quality standards (Parsons 2005b, 2007c). During LTM, exceedances of the NYS Class GA groundwater standard have been predominantly restricted to antimony, iron and lead. During the latest round (December 2019) of groundwater sampling the exceedances of antimony and lead were restricted to one well. Based on the stable conditions of the groundwater concentrations at the site, the U.S. Army Corps of Engineers (the Army), EPA, and NYSDEC agreed that the next sampling event would take place in 5 years (Parsons 2021b).

2.1.5.4 Land Use Inspection Observations

2.1.5.4.1 SEAD-16 was inspected on 26 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site and no access to, or use of, groundwater was evident beyond that which is gained by the existing monitoring well network. Photographs from the LUC inspection are provided in **Appendix B**, **Figure B-4**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.6 SEAD-17: Active Deactivation Furnaces

2.1.6.1 Site History

2.1.6.1.1 The former Active Deactivation Furnace (SEAD-17) is located in the east-central portion of SEAD (**Appendix A, Figure A-2**). SEAD-17 consisted of a deactivation furnace building that was surrounded by a crushed shale road. Beyond the perimeter of the crushed shale road was grassland. Two small sheds are located in the eastern portion of SEAD-17, and there is vehicular access to SEAD-17 from an unpaved road to the north. Access to SEAD-17 is restricted because it is located in the former ammunition storage area.

2.1.6.1.2 SEAD-17 was constructed to replace the operation of SEAD-16 and was also used for the demilitarization of various small arms munitions. The process of deactivation of munitions involved heating the munitions within a rotating steel kiln, which caused the munitions to detonate. The byproducts produced during this detonation were then swept out of the kiln through the stack. SEAD-17 operated prior to the establishment of RCRA and then under RCRA Interim status until the early 1990s. During the 1990s, the Army upgraded the incinerator; however, the upgrades did not meet incinerator requirements for temperature and residence time and the incinerator was not subsequently operated to dispose of hazardous materials. Henceforth, SEAD-17 was closed under RCRA in approximately 2005 (Parsons 2005b).

2.1.6.2 History of Contamination

2.1.6.2.1 The primary COCs at the SEAD-17 were metals (antimony, arsenic, copper, lead, mercury, and zinc) in soil. PAHs and pesticide compounds found in sediments were also of significance. All of these compounds were likely to have been released to the environment during the active deactivation furnace's period of operation (approximately 1962 to 1989). Low concentrations of semivolatile organic compounds (SVOCs) and metals were detected in groundwater. Those that exceeded their respective MCL criteria were either essential nutrients (e.g., sodium) or a result of high turbidity in the samples. No volatile organic compounds (VOCs), pesticides, PCBs, or nitroaromatics were detected in the samples (Parsons ES 1999a).

2.1.6.3 Summary of Remedial Actions

2.1.6.3.1 The selected remedy at SEAD-17 resulted in the removal of soil and groundwater as a pathway for potential receptors. Approximately 2590 cubic yards of lead impacted soil were removed and disposed of at an off-site landfill and the excavated areas were backfilled with clean backfill. SEAD-17 was placed under a LTM program for groundwater monitoring until concentrations are below the NYS Class GA groundwater quality standards. LTM began in 2007 and is currently on-going (Parsons 2016a). LTM results since 2007 have shown exceedances of three compounds: antimony, iron, and sodium. Only antimony has been a persistent chemical of interest in one well; however, the last three rounds of sampling have shown antimony concentrations below the NYS Class GA groundwater standard (Parsons 2021b).

2.1.6.4 Land Use Inspection Observations

2.1.6.4.1 SEAD-17 was inspected on 26 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site and no access to, or use of, groundwater was evident beyond that which is gained by the existing monitoring well network. Photographs from the LUC inspection are provided in **Appendix B**, **Figure B-5**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.7 SEAD-25: Fire Training And Demonstration Pad

2.1.7.1 Site History

2.1.7.1.1 The Fire Training and Demonstration Pad (SEAD-25) site is located in the east-central portion of SEAD (**Figure A-2**). The site is bounded to the east by Administration Avenue beyond which is undeveloped land covered by deciduous trees; to the south by Ordnance Drive beyond which is an open grassy field and a stand of coniferous trees; to the west by grassland, brush and conifers; and to the north by grassland.

2.1.7.2.2 SEAD-25 was in use from the late 1960s to the late 1980s. The pad was used for fire control training. During the 1980s, the pad was used twice for firefighting demonstrations; it was used once in 1982 or 1983 and in 1987 (Parsons 2004b).

2.1.7.2 History of Contamination

2.1.7.2.1 The primary COCs at SEAD-25 were VOCs, specifically benzene, toluene, ethylbenzene, and xylene (BTEX) compounds in both soil and groundwater and lesser amounts of chlorinated ethene compounds in groundwater. The VOC contaminants were believed to have been released to the environment during fire training activities. In addition, varying concentrations of SVOCs were also detected in the soil and sediment, mainly in the drainage ditches on the periphery of the site. Less significant impacts from other contaminants were also detected at the site (Parsons ES 1998).

2.1.7.2.2 In 2017, the Army launched a site investigation (SI) at three previously investigated sites (SEAD-25, SEAD-26, and SEAD-122E), which were formerly used as fire training areas, to determine whether the sites were impacted with per- and polyfluoroalkyl substances (PFAS) due to the use of aqueous film-forming foam (AFFF). The data from the SI showed that the concentrations of the two primary PFAS constituents, perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS), were measured in exceedance of the EPA Health Advisory (HA) levels in all 12 of the wells sampled at SEAD-25. As a result, SEAD-25 proceeded to an Expanded SI (ESI) with a focus on further delineating the PFAS extents in the area (Parsons 2017). The investigation of SEAD-25 for PFAS is ongoing at this time.

2.1.7.3 Summary of Remedial Actions

2.1.7.3.1 As part of a 2005 remedial action, approximately 961 cubic yards of BTEX impacted soil was removed from the pad area and approximately 761 cubic yards of SVOC impacted soils were removed from a swale. The excavations were completed down to bedrock and the excavated soils were disposed of off-site. The pad excavation was backfilled and restored to the existing grade (Parsons 2005a, 2006a). LTM for BTEX constituents is ongoing at SEAD-25 and has been conducted since 2007 (Parsons 2007b, 2016b). BTEX detections are limited to two wells and the concentrations are trending down. As such, in May 2020 EPA approved a ramp-down strategy to reduce sampling frequency (Parsons 2021c). In addition, as of the time of this report, the site was investigated for PFAS constituents as part of an ESI and is progressing to Remedial Investigation (RI)/Feasibility Study (FS) (Parsons 2022a).

2.1.7.4 Land Use Inspection Observations

2.1.7.4.1 SEAD-25 was inspected on 27 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site and no access to, or use of, groundwater was evident beyond that which is gained by the existing monitoring well network. Monitoring well locks were in place and wells were in good condition aside from the evidence of heaving, causing the surface casing to not operate correctly. Photographs from the LUC inspection are provided in **Appendix B**, **Figure B-6**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.8 SEAD-26: Fire Training Pit And Area

2.1.8.1 Site History

2.1.8.1.1 The Fire Training Pit (SEAD-26) site is located in the southeastern portion of SEAD (**Appendix A, Figure A-2**). The site is bounded to the east and west by SEAD railroad tracks, to the south by grassland and low brush, and to the north by 7th Street. Vehicular access is provided to the site via a locking gate on 7th Street.

2.1.8.1.2 SEAD-26 was in use from 1977 to 1994. The pit was approximately 75 feet in diameter and approximately 3 feet deep. A bentonite liner was installed in the pit in 1982 or 1983. The pit was used one to four times a year for firefighting training during which time various flammable materials were floated on water, ignited, and extinguished. Prior to 1977, the fire training area surrounding the pit may have also been used for fire demonstrations (Parsons 2004b).

2.1.8.2 History of Contamination

2.1.8.2.1 At SEAD-26, the primary contaminants detected included SVOCs and metals in the soil and sediments. In addition, low levels of volatiles were also detected in the groundwater at levels above NYSDEC GA Standards. However, the contaminants that exceeded NYSDEC GA Standards in the groundwater were no longer found in the soil of SEAD-26 due to attenuation of the contaminants in the soil (Parsons ES 1998).

2.1.8.2.2 In 2017, the Army launched an SI at three previously investigated sites (SEAD-25, SEAD-26, and SEAD-122E), which were formerly used as fire training areas, to determine whether the sites were impacted with PFAS due to the use of AFFF. The data from the SI showed that the concentrations of the two primary PFAS constituents, PFOA and PFOS, were measured in exceedance of the EPA HA levels in all eight of the wells installed and sampled at SEAD-26. As a result, SEAD-26 was reopened and proceeded to an ESI with a focus on further delineating the PFAS extents in the area (Parsons 2017). The investigation of SEAD-26 for PFAS is ongoing at this time.

2.1.8.3 Summary of Remedial Actions

2.1.8.3.1 As part of a 2005 remedial action, 5 areas were excavated to a depth of 1 foot below ground surface and 828 cubic yards of soil were excavated and disposed of off-site. Confirmatory sampling indicated that the soil remaining on-site met the soil cleanup goals and no additional remediation was required (Parsons 2005a, 2006a). LTM was conducted beginning in 2007; however, groundwater monitoring at SEAD-26 was terminated by the Army, with the approval of the EPA and the NYSDEC, after the first year of sampling and analysis indicated that no COCs were present in the groundwater at concentrations above defined cleanup goals. The site was reopened and was investigated for PFAS constituents as part of an ESI (Parsons 2022a). The PFAS investigation is proceeding to the RI/FS stage.

2.1.8.4 Land Use Inspection Observations

2.1.8.4.1 SEAD-26 was inspected on 29 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site. Newly installed groundwater monitoring wells were present on the site. No access to, or use of, groundwater was evident beyond what is gained from the groundwater monitoring wells. Photographs from the LUC inspection are provided in **Appendix B, Figure B-7**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.9 SEAD-27: Building 360, Steam Jenny Pit

2.1.9.1 Site History

2.1.9.1.1 Building 360 is located in the eastern-central portion of the Depot (**Figure A-2**). The building was used for refurbishing and reconstructing old equipment. Lathes, presses, and metal-working machines were degreased with steam, high-pressure water and detergents in the cleaning area. No solvent materials were ever used in the cleaning operation. After steam cleaning, the equipment was moved to other portions of Building 360 for rehabilitation.

2.1.9.1.2 The Steam Jenny Accumulation Pit (SEAD-27) is located within a high bay area of Building 360 that is located near the north end of the building and is separated from the remainder of the building by cinder block walls. The steam cleaning waste tank is a belowground, concrete tank above which track-mounted cars loaded with equipment requiring cleaning can be positioned

and steam cleaned. Use of the Steam Cleaning Waste Tank began in 1976 and cleaning operations ceased on 2 January 1990. A closure investigation was performed under the RCRA program in July 1995 and the determination was made that the accumulation pit in Building 360 satisfied the RCRA requirements for clean closure (Parsons 2004a).

2.1.9.2 History of Contamination

2.1.9.2.1 No compounds of concern were detected in SEAD-27 soils. Acetone and naphthalene were detected in groundwater; however, at the time no NYS Class GA groundwater quality standards existed for these compounds. A risk assessment was conducted for a residential scenario. The total cancer risk from all exposure routes was within or below the EPA target range for both receptors (adult resident and child resident). The total non-cancer hazard index (HI) from all exposure routes exceeded one for the adult resident (HI=2) and the child resident (HI=7). The elevated HI for the adult was due solely to ingestion of groundwater and the elevated HI for the child was due to ingestion of groundwater and dermal contact of groundwater. Naphthalene and acetone were the significant risk contributors. Based on the data, should SEAD-27 be used as a residential area, it would be necessary to place an LUC on groundwater use. This would restrict the use of groundwater as a drinking water source, preventing exposure to groundwater.

2.1.9.3 Summary of Remedial Actions

2.1.9.3.1 Other than the activities related to the Closure Investigation, no remedial actions were performed at the site (International Technology Corporation 1995; Parsons 2004a).

2.1.9.4 Land Use Inspection Observations

2.1.9.4.1 SEAD-27 was inspected on 29 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-8**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.10 SEAD-39: Building 121 Boiler Blowdown Leach Pit

2.1.10.1 Site History

2.1.10.1.1 Building 121 is a boiler plant located in the administrative area of the former SEAD (**Appendix A, Figure A-2**). SEAD-39 is the historic blowdown leaching area that was located exterior to, and immediately north of, Building 121. Use of the leaching area was terminated in 1979 or 1980 when boiler blowdown points within the Depot were connected to a sanitary sewer system (Parsons 2007a).

2.1.10.2 History of Contamination

2.1.10.2.1 Prior to connecting the boiler blowdown points to the sewer in 1979-1980, blowdown was reportedly released three times a day, and the discharged liquid was allowed to flow onto the ground at the blowdown point where it either infiltrated into the ground or flowed into the street. Each boiler was reported to have discharged between 400 and 800 gallons of blowdown liquids per day. The boiler blowdown was suspected to have contained water, tannins, caustic soda (sodium hydroxide), and sodium phosphate.

2.1.10.3 Summary of Remedial Actions

2.1.10.3.1 Thirty-four (34) tons of soil was excavated at SEAD-39 to a depth of 1 foot in August 2003. Following the excavation, eight surface soil samples were collected for chemical analysis of VOCs, PAHs, and metals. Naphthalene was the only VOC that was detected in more than one of the confirmatory soil samples, but it was never found at a concentration that exceeded the NYSDEC's Technical and Administrative Guidance Memorandum (TAGM) soil cleanup objectives (applicable when the remedial action was conducted). Eight other VOCs were detected in the same sample, but none of the measured concentrations exceeded NYSDEC's TAGM soil cleanup objectives. Eleven PAHs, including seven carcinogenic PAHs (cPAH), were also identified in one or more of the confirmatory samples. Average concentrations of metals detected at this AOC were at levels consistent with SEAD site-wide background data. Based on the confirmatory and delineation samples, it was determined that further excavation would not be necessary at SEAD-39 (Parsons 2002b). No risks were determined for this site; however, the AOC is located within land covered by an existing LUC (i.e., LUC imposed upon the PID area). The ROD (Parsons 2007a) formalizes and documents the imposition of the existing LUCs on the AOCs located within each of these parcels under CERCLA.

2.1.10.4 Land Use Inspection Observations

2.1.10.4.1 SEAD-39 was inspected on 29 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-9**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.11 SEAD-40: Building 319 Boiler Blowdown Leach Pit

2.1.11.1 Site History

2.1.11.1.1 SEAD-40 is a boiler plant located on 1st Street in the east-central portion of the Depot (**Appendix A, Figure A-2**). The historic blowdown leach pit that constitutes SEAD-40 was located in a drainage ditch next to the railroad tracks located north of Building 319. A drainage pipe originating in Building 319 is suspected to have carried blowdown liquids to the drainage ditch, where they were released and allowed to flow onto the ground. The drainage ditch originated at the mouth of the drainage pipe approximately 30 feet northeast of Building 319 (Parsons 2007a).

2.1.11.2 History of Contamination

2.1.11.2.1 Prior to connecting the boiler blowdown points to the sewer in 1979-1980, blowdown was reportedly released three times a day, and the discharged liquid was allowed to flow onto the ground at the blowdown point where it either infiltrated into the ground or flowed into the nearby drainage ditch. Each boiler is reported to have discharged between 400 and 800 gallons of blowdown liquids per day. The boiler blowdown is suspected to have contained water, tannins, caustic soda (sodium hydroxide), and sodium phosphate.

2.1.11.3 Summary of Remedial Actions

2.1.11.3.1 Approximately 39 tons of soil were removed from SEAD-40 in August 2003. The impacted soil was excavated at one section to a depth of 1 foot below ground surface and at another section to a depth of 6 feet below ground surface. Eighteen post-excavation samples were analyzed for VOCs, PAHs, and metals (Weston 2004). Elevated levels of PAHs and non-target metals (arsenic, barium, and/or chromium) were reported. Additional confirmation and delineation samples were collected; the results of which determined that further excavation would not be necessary at SEAD-40 and the soil left in place was below the cleanup standard (Parsons 2002b, 2007a).

2.1.11.4 Land Use Inspection Observations

2.1.11.4.1 SEAD-40 was inspected on 29 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-10**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.12 SEAD-59: Fill Area West Of Building 135

2.1.12.1 Site History

2.1.12.1.1 SEAD-59 (Fill Area West of Building 135) is approximately 6.2 acres in size and encompasses an area located along both sides of an unnamed east-west dirt road that runs from the intersection of 4th Avenue, Administration Avenue, and South Street in the Depot's former Administration Area to the former location of Building 311 in SEAD-16. SEAD- 59 was used for the disposal of construction debris and oily sludge. SEAD personnel have also indicated the area of SEAD-59 was used as the Army's version of a local "Department of Public Works" yard where vehicles and materials were staged, and as a result a large quantity of miscellaneous "roads and grounds" debris remains, and has become intermixed with the native soils (Parsons 2009a).

2.1.12.2 History of Contamination

2.1.12.2.1 Results of test pitting operations completed during SI activities indicated that full and empty 15- and 55-gallon drums, 1-, 2- and 5-gallon paint cans, 20-gallon waste cans, and a chain-linked fence were found buried at the site.

2.1.12.3 Summary of Remedial Actions

2.1.12.3.1 A TCRA performed in 2002 included excavation and staging of impacted soils, sampling and analysis of excavated areas and stockpiled excavated soils, disposal of approximately 3,805 tons of contaminated soil (total from SEAD-59 and SEAD-71) at an approved off-site landfill, installation of groundwater monitoring wells, and backfilling and grading of open excavations with acceptable soil from the stockpiles (Parsons 2002d, 2006d).Although soil found at SEAD-59, in the ground and staged in stockpiles, contained concentrations of hazardous substances that were at levels that exceeded NYS soil cleanup objective (SCO) (e.g., Restricted Commercial and Restricted Industrial) values, a human health risk assessment indicated that future use by commercial and industrial type users was permissible, as no unacceptable human health effects or impacts were indicated. The stockpiled soils from SEAD-59 and SEAD-71 were approved for use as part of the engineered, protective cover placed at SEAD-5 (Parsons 2009a, 2009b).

2.1.12.4 Land Use Inspection Observations

2.1.12.4.1 SEAD-59 was inspected on 26 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-11**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.13 SEAD-64A: Garbage Disposal Area

2.1.13.1 Site History

2.1.13.1.1 SEAD-64A is located in the east-central portion of SEAD (**Appendix A, Figure A-2**). The site is bounded to the north by a square storage pad, to the east by the SEAD railroad tracks beyond which is the area where the Fire Training site (SEAD-26) is located, and to the south and west by undeveloped grassland. SEAD-64A was used during the period from 1974 to 1979 when the on-site solid waste incinerator was not in operation. The types of wastes disposed at the site are suspected to be primarily household items (Parsons 2002a).

2.1.13.2 History of Contamination

2.1.13.2.1 Test pitting was conducted as part of the ESI and no evidence of metal drums or industrial waste was found (Parsons ES 1996). Materials identified in the test pit log were inert construction debris, such as reinforced concrete slabs, asphalt pieces, and concertina wire, which

are exempt from regulation under New York State Solid Waste Regulations, 6 New York State Code of Rules and Regulations (NYCRR) Section 360-7.1 (b)(i).

2.1.13.3 Summary of Remedial Actions

2.1.13.3.1 A field investigation was conducted at SEAD-64A beginning in February 1994 as part of the ESI for seven low priority AOCs (Parsons 1996). A geophysical survey was conducted. Twelve soil samples were collected and submitted for VOC, SVOC, pesticide, and metal analyses. Three groundwater samples were collected from SEAD-64A and were submitted for metals, pH, conductivity, temperature, and turbidity analyses.

2.1.13.3.2 Several cPAHs [benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene], phenol, and several metals (aluminum, arsenic, chromium, copper, lead, potassium, and zinc) were detected at levels that exceeded applicable TAGM 4046 soil cleanup objectives in one or more soil samples. In groundwater, aluminum, iron, manganese, and thallium were detected at levels that exceeded their respective comparative criteria levels (Parsons 2004a).

2.1.13.4 Land Use Inspection Observations

2.1.13.4.1 SEAD-64A was inspected on 29 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site and no access to, or use of, groundwater was evident. No unauthorized excavations or digging was observed within SEAD-64A. Photographs from the LUC inspection are provided in **Appendix B, Figure B-12**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.14 SEAD-66: Pesticide Storage Near Building 5 And 6

2.1.14.1 Site History

2.1.14.1.1 Pesticides were reportedly stored in a structure located in the vicinity of Buildings 5 and 6 during the Army's active use of the SEAD. The Pesticide Storage Area near Buildings 5 and 6 is located in the east-central portion of SEAD **(Appendix A, Figure A-2**). The exact location of the pesticide storage area is unknown.

2.1.14.2 History of Contamination

2.1.14.2.1 Nine soil samples were collected from SEAD-66. Two pesticides, 4,4'-dichlorodiphenyldichloroethylene and 4,4'-dichlorodiphenyltrichloroethane, were both detected at levels exceeding TAGMs in sample SS66-8 that was taken from a depth of 0-0.2 feet. The soil data are presented in the ROD (Parsons 2004a). No groundwater samples were collected.

2.1.14.3 Summary of Remedial Actions

2.1.14.3.1 A human health risk assessment and ecological risk assessment concluded that no significant risks were associated with the site. Although no risks were identified at this site, geographically the AOC is within the boundary of the PID area and the PID-wide LUCs are imposed upon it.

2.1.14.4 Land Use Inspection Observations

2.1.14.4.1 SEAD-66 was inspected on 29 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-13**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.15 SEAD-67: Dumpsite East Of Sewage Treatment Plant No. 4

2.1.15.1 Site History

2.1.15.1.1 The SEAD-67 site is located in the central eastern portion of SEAD (**Appendix A, Figure A-2**), immediately south of West Romulus Road and east of Sewage Treatment Plant Number 4 (SEAD-20). Five waste soil piles and two soil berms were formerly staged at the SEAD-67 site. The origin of the berms and waste piles is unknown.

2.1.15.2 History of Contamination

2.1.15.2.1 Samples collected as part of the ESI (Parsons 1996) were analyzed for VOCs, SVOCs, pesticides/ PCBs, metals, and cyanide. Fifty (50) Target Compound List (TCL)/Target Analyte List (TAL) compounds were detected in the soil samples, and 10 compounds, including 5 cPAHs and 5 metals, were detected at concentrations that exceeded their respective TAGM cleanup objective values. Compounds found at concentrations above applicable TAGM 4046 soil cleanup objectives included benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenz(a,h)anthracene, calcium, lead, manganese, mercury, and potassium. Surface water results indicated that the unnamed stream near SEAD-67 has not been significantly impacted by contaminants. Available data indicated that the groundwater has not been significantly impacted by historic operations at SEAD-67 (Parsons 2007a).

2.1.15.3 Summary of Remedial Actions

2.1.15.3.1 A TCRA to remove the waste soil was performed between 2002 and 2004 (Weston 2005). The excavated soil was classified as non-hazardous soil for treatment and disposal. Subsequently, the TCRA expanded to include the removal of surface soil underlying and surrounding the locations of the former piles and berms. Surface soils were excavated to a depth of 12 inches. At the end of the TCRA, more than 1,300 cubic yards of soil was removed from the SEAD-67 site. Confirmatory soil samples were collected from the final excavation surface, and

based on the results, the Army believes the potential threat to human health and the environment was eliminated. Due to the shallow nature of the final excavations, backfill was not used at SEAD-67; the sidewalls of the excavation were graded to smooth the contour differences between the original ground surface and the bottom of the excavation (Parsons 2002c).

2.1.15.4 Land Use Inspection Observations

2.1.15.4.1 SEAD-67 was inspected on 29 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-14**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.16 SEAD-71: Alleged Paint Disposal Area

2.1.16.1 Site History

2.1.16.1.1 SEAD-71 (the Alleged Paint Disposal Area) is wedge shaped and is located west of 4th Avenue near Buildings 114 and 127 (**Appendix A, Figure A-2**). The entire AOC is approximately 2.4 acres in size and bounded on the north and south by railroad tracks serving Buildings 114 and 127.

2.1.16.2 History of Contamination

2.1.16.2.1 Prior to the 2001 RI, rumors suggested that paints and/or solvents were disposed at SEAD-71 in burial pits (Parsons 2001). The results of the RI test pitting operations failed to confirm the paint and oil disposal rumors but did indicate that the area had been used for the disposal of construction debris, including sheet metal, asphalt, chain link fencing, sand and stone, piping, railroad ties, wood and cinders. No dates of disposal are available nor is there any information on the number of suspected disposal pits that may have been used.

2.1.16.3 Summary of Remedial Actions

2.1.16.3.1 A TCRA performed in 2002 included excavation and staging of impacted soils, sampling and analysis of excavated areas and stockpiled excavated soils, disposal of approximately 3,805 tons of contaminated soil (total from SEAD-59 and SEAD-71) at an approved off-site landfill, installation of groundwater monitoring wells, and backfilling and grading of open excavations with acceptable soil from the stockpiles (Parsons 2002d, 2006d).

2.1.16.4 Land Use Inspection Observations

2.1.16.4.1 SEAD-71 was inspected on 26 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site and no access to, or use of, groundwater was evident.

Photographs from the LUC inspection are provided in **Appendix B, Figure B-15**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.17 SEAD-121C: Defense Reutilization and Marketing Office Yard

2.1.17.1 Site History

2.1.17.1.1 SEAD-121C, the Defense Reutilization and Marketing Office (DRMO) Yard, is a triangular-shaped gravel lot, approximately 8.75 acres in size, located roughly 4,000 feet southwest of the former Depot's main entrance off State Route 96 (**Appendix A, Figure A-2**). The DRMO Yard was used by the Army to store scrap metal, vehicles, and other items that were no longer needed for national defense, or that did not comply with legislative and regulatory requirements. The group using the yard was responsible for property reuse (including resale), hazardous property disposal (off-site, at licensed/permitted facilities), precious metals recovery and recycling program support (Parsons ES 1999b; Parsons 2008).

2.1.17.2 History of Contamination

2.1.17.2.1 Conditions present at SEAD-121C were thoroughly investigated during a multimedia RI conducted in 2002 and 2003 (Parsons, 2006e). Samples of surface and subsurface soil, groundwater, surface water, and "ditch soil" found in man- made culverts adjacent to the AOC were collected and analyzed for TCL/TAL compounds (Parsons 2006e). The only analytes found at concentrations in excess of NYSDECs TAGM Industrial Use Soil Cleanup Objectives were two carcinogenic PAHs (benzo[a] pyrene and benzo[b] fluoranthene) and lead. Additional data pertinent to the existing environmental conditions remaining at the AOC was subsequently developed during the interim removal action that was performed at the site (Parsons 2008).

2.1.17.3 Summary of Remedial Actions

2.1.17.3.1 Lead concentrations in surface soil were the focus of the remedial action at SEAD-121C. Approximately 776 cubic yards of lead-impacted soil was excavated and disposed of off-site as non-hazardous waste. Confirmatory sampling concluded that no further remediation was required at SEAD-121C (Parsons 2008). Although risks to future commercial and industrial users or occupants of SEAD 121C and SEAD 121I are within a range deemed to be acceptable for commercial or industrial use, the land is not currently acceptable for unrestricted use and unlimited exposures. The ROD documents the selection of the formal application of LUCs for soil on the lands that are designated as SEAD 121C, the DRMO Yard, and SEAD 121I, the Rumored Cosmoline Oil Disposal Area and other institutional controls for groundwater beneath such lands.

2.1.17.4 Land Use Inspection Observations

2.1.17.4.1 SEAD-121C was inspected on 29 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-16**. LUC inspection

forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.18 SEAD-121I: Rumored Cosmoline Oil Disposal Area

2.1.18.1 Site History

2.1.18.1.1 SEAD-121I, the Rumored Cosmoline Oil Disposal Area, encompasses four rectangular-shaped, open grass and dirt covered areas that are bounded by 3rd and 7th Streets (north and south ends, respectively) and Avenues C and D (west and east sides, respectively). The overall size of the AOC is approximately 16.8 acres. Approximately 1.2 acres of this area were previously used for the staging of strategic stockpiles of ferromanganese ore (Parsons 2008).

2.1.18.2 History of Contamination

2.1.18.2.1 The Army indicated that the rail spur and sidings were used for delivery of equipment and machinery that was frequently packed in Cosmoline (oil). Cosmoline oil is a commonly used substance that prevents corrosion on metal parts and components. During delivery and unpacking of the equipment and machinery, oil from the packing may have been deposited on the ground. The United States Government historically staged strategic stockpiles of ferromanganese ore in portions of SEAD-121I, and these stockpiles were present during the Environmental Baseline Survey and RI sampling events and into the early part of 2007. Samples of surface and subsurface soil, surface water and "ditch soil" found in man-made culverts adjacent to the AOC were collected and analyzed for TCL/TAL compounds. No final COCs were identified for any medium at SEAD-121I. The human health risk assessment concluded that no further action is required at SEAD-121I due to the possible presence of trace metals, including manganese in the soil. Soil, ditch soil, and surface water at SEAD-121I are not expected to significantly impact ecological receptors and no further action is warranted at SEAD- 121I based on the ecological risk assessment (Parsons 2008). Although no risks were identified at this site, geographically the AOC is within the boundary of the PID area and the PID-wide LUCs are imposed upon it.

2.1.18.3 Summary of Remedial Actions

2.1.18.3.1 A removal action was completed in summer of 2007 to remove residual ferro-manganese ore and associated soil and asphalt from the former locations of Pile 1 and Pile 2 within SEAD-121I. Confirmatory samples were collected after the initial excavation was completed. Follow-up excavations were performed at Pile 1 and Pile 2 based on visual observations of residual ferro-manganese ore in the soil and the first phase of confirmatory sampling. After the second phase of excavation, another round of confirmatory sampling confirmed that the AOC achieved the selected cleanup goals. At SEAD-121I, 5,914 tons (4,134 cubic yards) of ferro-manganese ore-impacted soil were excavated and disposed, along with 25 tons of railroad ties, as non-hazardous waste at Ontario County Landfill in Flint, New York.

2.1.18.4 Land Use Inspection Observations

2.1.18.4.1 SEAD-121I was inspected on 29 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that

no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-17**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.2 PRISON AREA

2.2.1 Summary of Prison Area LUC Objectives and Restrictions

2.2.1.1 The "Prison Area" consists of eight SWMUs (**Appendix A, Figure A-2**) that were transferred in September 2000 under a public benefit conveyance that conveyed the land in the southeastern part of SEAD to the people of the State of New York for the construction of the Five Points Correctional Facility. It included language that requires that the "property shall be used and maintained for a correction facility in perpetuity" and that "the property shall not be sold, leased, mortgaged, assigned or otherwise disposed of" without the prior consent of the United States Government. In the event that any condition of the deed is breached "as to all or any portion or portions of the described property by New York or its successors or assigns," the "title and interest to such portion or portions of the property, in its existing condition, including all improvements thereon, shall revert to, and become property of the Government at the option of and upon demand made in writing by the General Services Administration, or its successor in function." Provisions of the deed apply to the following SWMUs, which were transferred prior to a ROD being prepared and which currently are located within the bounds of the State of New York's Five Points Correctional Facility Parcel:

- SEAD-43: Building 606 – Old Missile Propellant Test Laboratory
- SEAD-44A: Quality Assurance Test Laboratory
- SEAD-44B: Quality Assurance Test Laboratory
- SEAD-52: Buildings 608 and 612 – Ammunition Breakdown Area
- SEAD-56: Building 606 – Herbicide and Pesticide Storage
- SEAD-62: Nicotine Sulfate Disposal Area near Buildings 606 and 612
- SEAD-64C: Garbage Disposal Area
- SEAD-69: Building 606 – Disposal Area

2.2.1.2 Hazardous substances may be present at one or more of the listed historic SWMUs at concentrations that do not allow for UU/UE. However, based on the results of previous investigations, risk assessments, and/or removal actions, these AOCs do not pose or represent a risk or threat to human health and the environment, given consideration of the area's continuing restricted use as a state maximum security correctional facility (**Table 2**). Pursuant to the terms of the deed, the prison use restriction remains in effect for these AOCs in perpetuity, or the property legally reverts to the United States (Parsons 2007a). The Prison Area LUCs include:

- The continued restricted use of the property as a state maximum security correctional facility (Parsons 2007a).

2.2.2 SEAD-43: Building 606 Old Missile Propellant Test Laboratory, Sead-56: Building 606 Herbicide And Pesticide Storage, and SEAD-69: Building 606 Disposal Area

2.2.2.1 Site History

2.2.2.1.1 SEADs 43, 56, and 69 are located in the southeastern corner of the Depot on property that currently is associated with the New York State Department of Correctional Services' Five Points Correctional Facility (**Appendix A, Figure A-2**). These areas are discussed as one AOC because SEAD-43 and SEAD-56 both represent historic uses of Building 606; SEAD-69 is a disposal area situated close to Building 606, which was previously suspected of receiving wastes from the two other SWMUs.

2.2.2.1.2 In the 1960s, Building 606 was used as a missile propellant test laboratory; this use is designated as SEAD-43, the Old Missile Propellant Test Laboratory, which was used for quality assurance (QA) surveillance testing of military ordnance items. After 1976, Building 606 was used as a pesticide and herbicide storage and mixing facility; this historic use is designated as SEAD-56, Herbicide/Pesticide Storage. In 1989, the pesticide/herbicide storage area was upgraded when a new rinsate building was constructed to the east of Building 606, and the historic underground rinsate storage tank was replaced with a new vaulted tank that complied with the then-prevailing environmental regulations. SEAD-69 is a disposal area in an open field that is located southeast of Building 606 (Parsons 2007a).

2.2.2.2 History of Contamination

2.2.2.2.1 Operations performed in SEAD-43 included the operation or functional testing of explosive devices. Inhibited red-fuming nitric acid (IRFNA) was used in, and stored at and near Building 606 prior to its disposal at SEAD-13. As SEAD-56, Herbicide/Pesticide Storage, storage of pesticides and herbicides occurred at a now-demolished building formerly located west of Building 606. A historic concrete underground tank was also used for the intermittent storage of wastewater generated during the rinsing of the portable truck-mounted tank that was used for mobile spraying operations at the Depot. It is suspected that waste from the IRFNA storage and pesticide/herbicide mixing was disposed at SEAD-69. SEAD-69 measures approximately 100 feet by 100 feet in size, and contained various types of construction debris, including bricks and concrete blocks, visible at the surface. Human health and ecological risk assessments were completed and no COCs were identified.

2.2.2.3 Summary of Remedial Actions

2.2.2.3.1 Based on the results of the human health and ecological risk assessments, no remedial actions were undertaken (Parsons 2007a).

2.2.2.4 Land Use Inspection Observations

2.2.2.4.1 An interview of the correctional facility maintenance manager was conducted on 20 June 2023 to determine whether required LUCs imposed by the approved RODs at SEADs 43, 56, and 69 are being maintained (**Tables 1 and 2**). The interview confirmed that no prohibited facilities were present or had been constructed at the site and the use of the property remains as a correctional

facility. The correctional facility maintenance manager did indicate that Building 606 was recently painted, and that the correctional facility may consider building a storage shed next to Building 606 in the future. Photographs were not permitted to be taken for these AOCs since they are located within the Prison Area of the Correctional Facility. An aerial view of the AOCs within the Prison Area is provided in **Appendix B, Figure B-18**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.2.3 SEAD-44A: Quality Assurance Test Laboratory

2.2.3.1 Site History

2.2.3.1.1 SEAD-44A is located in the southeastern portion of the Depot, approximately 1,000 feet east of Brady Road and 1,500 feet north of South Patrol Road on property that is currently associated with the New York State Department of Correctional Services' Five Points Correctional Facility (**Appendix A, Figure A-2**). Building 416 was located at the AOC and a number of earthen berms that ran parallel to an unnamed dirt road at the AOC were present. The earthen berms were historically used for QA testing of ordnance items, including various pyrotechnics, firing devices, and 40-millimeter (mm) practice and chemical smoke grenades. The above-ground testing of landmines also reportedly occurred in SEAD-44A in a separate bermed area.

2.2.3.2 History of Contamination

2.2.3.2.1 During the period of its use, it is suspected that the area contained high levels of metals, cyanide, and other contaminants associated with ordnance testing. A drainage swale runs east to west along the middle of the AOC; this feature drains surface water runoff to the west towards Silver Creek. Human health and ecological risk assessments were completed and no COCs were identified.

2.2.3.3 Summary of Remedial Actions

2.2.3.3.1 Based on the results of the human health and ecological risk assessments, no remedial actions were undertaken (Parsons 2007a).

2.2.3.4 Land Use Inspection Observations

2.2.3.4. 1 An interview of the correctional facility maintenance manager was conducted on 20 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained at SEAD-44A (**Tables 1 and 2**). The interview confirmed that no prohibited facilities were present or had been constructed at the site and the use of the property remains as a correctional facility. Photographs were not permitted to be taken for the AOC within the Prison Area of the Correctional Facility. An aerial view of the AOCs within the Prison Area is provided in **Appendix B, Figure B-18**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.2.4 SEAD-44B: Quality Assurance Test Laboratory

2.2.4.1 Site History

2.2.4.1.1 SEAD-44B runs along the west side of Brady Road and occupies an area that is approximately 350 feet by 200 feet on property that is currently associated with the New York State Department of Correctional Services' Five Points Correctional Facility (**Appendix A, Figure A-2**). Two buildings were originally associated with SEAD-44B. The buildings were part of a QA test area for pyrotechnics, chemical smoke grenades, and other fire devices.

2.2.4.2 History of Contamination

2.2.4.2.1 When it was designated as a SWMU in the Federal Facilities Agreement, the Army indicated that the site might contain high levels of metals and possible unexploded ordnance debris. Subsequent inspections of the AOC by the Army as part of the Department of Defense's Base Realignment and Closure Ordnance and Explosives Archive Search Report indicate that ordnance was not found at SEAD-44B or in the vicinity of the two berms that were observed near the buildings (Parsons 2007a). A human health risk assessment was completed and no COCs were identified.

2.2.4.3 Summary of Remedial Actions

2.2.4.3.1 Based on the results of the human health and ecological risk assessments, no remedial actions were undertaken (Parsons 2007a).

2.2.4.4 Land Use Inspection Observations

2.2.4.4.1 An interview of the correctional facility maintenance manager was conducted on 20 June 2023 to determine whether required LUCs imposed by the approved RODs at SEAD-44B are being maintained (**Tables 1 and 2**). The interview confirmed that no prohibited facilities were present or had been constructed at the site and the use of the property remains as a correctional facility. Photographs were not permitted to be taken of this AOC since it is within the Prison Area of the Correctional Facility. An aerial view of the AOCs with the Prison Area is provided in **Appendix B, Figure B-18**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.2.5 SEAD-52: Building 608 And 612 Ammunition Breakdown Area

2.2.5.1 Site History

2.2.5.1.1 SEAD-52 is located in the southeastern portion of SEAD on land currently occupied by the Five Points Correctional Facility (**Figure A-2**). The area is characterized by developed and undeveloped land. SEAD-52 was active from the mid-1950s to the late 1990s. The area consists of four buildings: Buildings 608, 610, 611, and 612. Building 608 was previously used for the storage of ammunition magazines; Building 610 was used for ammunition powder collection; Building 611 was used for storage of equipment, paints, and solvents; and Building 612 was used

for the breakdown and maintenance of ammunition. None of these buildings currently are active or used for storage of materials.

2.2.5.2 History of Contamination

2.2.5.2.1 A Limited Sampling Plan was performed in 1993 to evaluate the presence of explosives in the soil at SEAD-52 (Parsons 2007a). The results of the investigation indicated that three explosive compounds were detected in one or more of the collected soil samples. Human health and ecological risk assessments were completed and no COCs were identified.

2.2.5.3 Summary of Remedial Actions

2.2.5.3.1 Based on the results of the human health and ecological risk assessments, no remedial actions were undertaken (Parsons 2007a).

2.2.5.4 Land Use Inspection Observations

2.2.5.4.1 An interview of the correctional facility maintenance manager was conducted on 20 June 2023 to determine whether required LUCs imposed by the approved RODs at SEAD-52 are being maintained (**Tables 1 and 2**). The interview confirmed that no prohibited facilities were present or had been constructed at the site and the use of the property remains as a correctional facility. Photographs were not permitted to be taken of this AOC since it is within the Prison Area of the Correctional Facility. An aerial view of the AOCs with the Prison Area is provided in **Appendix B, Figure B-18**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.2.6 SEAD-62: Nicotine Sulfate Disposal Area Near Building 606 and 612

2.2.6.1 Site History

2.2.6.1.1 The Nicotine Sulfate Disposal Area (SEAD-62) is located in the southeastern portion of SEAD (**Appendix A, Figure A-2**). It measures approximately 0.5 miles by 0.25 miles in size and is characterized by mostly undeveloped land with the exception of bunkers and buildings along the western perimeter.

2.2.6.2 History of Contamination

2.2.6.2.1 Colloquial evidence suggests that two drums containing nicotine sulfate were disposed of in the area surrounding Buildings 606 and 612 (Parsons 2002a).

2.2.6.3 Summary of Remedial Actions

2.2.6.3.1 Human health and ecological risk assessments were completed and no COCs were identified. No remedial actions were undertaken (Parsons 2007a).

2.2.6.4 Land Use Inspection Observations

2.2.6.4.1 An interview of the correctional facility maintenance manager was conducted on 20 June 2023 to determine whether required LUCs imposed by the approved RODs at SEAD-62 are being maintained (**Tables 1 and 2**). The interview confirmed that no prohibited facilities were present or had been constructed at the site and the use of the property remains as a correctional facility. Photographs were not permitted to be taken for the AOCs since it is within the Prison Area of the Correctional Facility. An aerial view of the AOCs with the Prison Area is provided in **Appendix B, Figure B-18**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.2.7 SEAD-64C: Garbage Disposal Area

2.2.7.1 Site History

2.2.7.1.1 The location of the rumored SEAD-64C Garbage Disposal Area at SEAD-64C is near the intersection of East Patrol Road and South Patrol Road in the southeastern corner of SEAD (**Appendix A, Figure A-2**). This former SWMU is located within the bounds of the New York State Department of Correctional Service's Five Points Correctional Facility.

2.2.7.2 History of Contamination

2.2.7.2.1 SEAD-64C is the location of a proposed SEAD landfill. An Army Pollution Abatement report concluded that the proposed site could be used for a sanitary landfill; however, no available information indicates that a formal landfill was established on-site. Information presented in the SMWU classification report suggests limited dumping may have occurred at the site and that transmission power lines may be buried throughout the site; however, the Army notified the NYSDEC that the area designated at SEAD-64C was misidentified as a historic landfill site and no waste was ever identified during the Army's investigations (Parsons 2002a, 2007a). Human health and ecological risk assessments were completed and no COCs were identified.

2.2.7.3 Summary of Remedial Actions

2.2.7.3.1 Based on the results of the human health and ecological risk assessments, no remedial actions were undertaken (Parsons 2007a).

2.2.7.4 Land Use Inspection Observations

2.2.7.4.1 An interview of the correctional facility maintenance manager was conducted on 20 June 2023 to determine whether required LUCs imposed by the approved RODs at SEAD-64C are being maintained (**Tables 1 and 2**). The interview confirmed that no prohibited facilities were present or had been constructed at the site and the use of the property remains as a correctional facility. Photographs were not permitted to be taken for the AOC since it is within the Prison Area of the Correctional Facility. An aerial view of the AOCs with the Prison Area is provided in **Appendix B, Figure B-18**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.3 AIRFIELD PARCEL

2.3.1 Summary of the Airfield Parcel LUC Objectives And Restrictions

2.3.1.1 Two SEADs within the Airfield Parcel were inspected for LUC compliance (**Appendix A, Figure A-2**); SEAD-122B: Small Arms Range, Airfield Parcel; and SEAD-122E, Plane Deicing Area. A residential activities LUC was instituted on both SEADs as follows:

- The development and use of property for residential housing, elementary or secondary schools, childcare facilities, and playgrounds will be prohibited.

2.3.1.2 The proposed residential activities LUC will be implemented over the entire Airfield Parcel, which extends beyond the bounds of SEAD-122B and SEAD-122E. The Seneca Army Depot Activity (SEDA) (2008a) LUC RD Amendment 2 specifies that the LUC will be applied to all areas within the former Airfield and will continue until such time as the concentrations of hazardous substances are reduced to levels that allow for UU/UE. Future owners or users of land within the Airfield may request a waiver from the LUC on a location-by-location basis. At the time of the waiver request, the applicant must develop and submit sufficient data and information, subject to review and approval by the Army and the EPA, to substantiate its request that the identified location is suitable for UU/UE. The boundary of the Airfield Area is defined as the boundary of the Airfield Special Events, Institutional, and Training area (**Appendix A, Figure A-2**).

2.3.2 SEAD-122B: Small Arms Range, Airfield Parcel

2.3.2.1 Site History

2.3.2.1.1 SEAD-122B – Small Arms Range (SAR) located on the Airfield Parcel along Route 96A was previously used by the Air Force, Navy, and Army as a small arms qualification ground. The Airfield SAR is located in the southwest corner of SEAD adjacent to the SEAD Airfield (**Appendix A, Figure A-2**). The SAR consists of two contiguous bermed small arms ranges: one previously used for small arms training, and the second previously used for machine gun targeting (Parsons 2007a).

2.3.2.2 History of Contamination

2.3.2.2.1 TAL metals analysis indicated lead concentrations well above the TAGM SCO. In addition, antimony, arsenic, copper, silver, sodium, thallium, and zinc were detected at concentrations slightly over the SCOs. One Toxicity Characteristic Leaching Procedure lead concentration was above the RCRA limit of 5,000 micrograms per liter (µg/L). The Synthetic Precipitation Leaching Procedure metals results indicated that there were levels of antimony, iron, and thallium above the NYSDEC Class GA groundwater standards. The maximum detected concentrations of iron and thallium were consistent with SEDA background levels. Groundwater was found to not be impacted by contact with or contaminant migration from the SAR soil (Parsons 2004d).

2.3.2.3 Summary of Remedial Actions

2.3.2.3.1 In 2004, a treatability study was conducted, and approximately 500 cubic yards of soil was excavated from locations where high concentrations of total lead were found during the 2002 investigation in the larger of the two SARs. Other metals detected at levels above their respective NYSDEC cleanup objective levels were collocated within the areas where high lead concentrations were found. Elevated lead concentrations included any value above 400 parts per million (ppm). The excavation area was delineated by lead concentrations greater than 400 ppm and included the western face of the backstop berm and a drainage swale that carried surface water runoff away from the firing range area. The top 3 inches of soil on the surface of the firing range's floor were also excavated. The final results reported confirm that all excavated locations exhibited lead concentrations at levels less than 400 ppm.

2.3.2.3.2 A risk assessment was not performed for SEAD-122B, where the results of the treatability study indicated that the cleanup objectives established for the treatability study had been achieved and all lead concentrations remaining at the AOC were below the EPA's guidance value for residential soils.

2.3.2.4 Land Use Inspection Observations

2.3.2.4.1 SEAD-122B was inspected on 26 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site. A new pre-fabricated storage shed has been brought to the site and set on concrete blocks. No evidence of intrusive activity was present. Photographs from the LUC inspection are provided in **Appendix B, Figure B-19**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.3.3 SEAD-122E: Plane Deicing Area

2.3.3.1 Site History

2.3.3.1 SEAD-122E is associated with the deicing of planes at three separate aircraft refueling areas at the former SEAD Airfield (**Appendix A, Figure A-2**). The property where the airfield currently sits was once part of the Sampson Naval Training Station which was open from 1942 to 1946, and which was used for basic training of naval personnel. All three of the historic deicing/refueling pads that comprise SEAD-122E are located along the western side of the northwest-southeast runway. Two of the deicing/refueling pads are located near either end of the runway, while the third is located at the end of a short taxiway, west of the central portion of the runway (Parsons 2007a).

2.3.3.2 History of Contamination

2.3.3.2.1 An Environmental Baseline Survey (1998/1999) was conducted to determine if soil or groundwater on the perimeter of three pads were impacted by the deicing fluids used on the planes. The constituents of concern are SVOCs and principal components of deicing fluids

(alcohols/glycols, i.e., ethylene glycol, propylene glycol, total unknown alkanes) in soil and groundwater (Parsons ES 1999b).

2.3.3.2.2 Twenty SVOCs, comprised mainly of PAHs and phthalates, were found in the six soil samples collected from the three soil borings. No deicing chemicals (e.g., glycols) were detected in any of the six soil samples characterized during this event. Five contaminants were found in the four groundwater samples collected. None of the compounds detected in the four groundwater samples exceeded groundwater standards.

2.3.3.2.3 In 2017, the Army launched a SI at three previously investigated sites (SEAD-25, SEAD-26, and SEAD-122E), which were formerly used as fire training sites, to determine whether the areas were contaminated with PFAS due to the use of AFFF. The ESI data showed that the concentrations of the two primary PFAS constituents, PFOA and PFOS, were measured below the EPA HA level in all 24 of the wells installed and sampled at SEAD-122E. As a result, no additional action beyond the PFAS SI was taken at SEAD-122E (Parsons 2017). Based on a lowering of the state PFAS MCL, SEAD-122E was reopened for additional PFAS investigation during an RI/FS.

2.3.3.2.4 In response to a request by EPA, the Army presented the results of a risk assessment in a memo submitted in March 2005. The cancer and non-cancer risks for all future potential receptors (industrial worker, construction worker, day care center – worker, and day care center – child) and exposure routes (inhalation of dust in air, ingestion of soil or groundwater, or dermal contact to soil) for SEAD-122E were evaluated. An unacceptable cancer risk was found due to dermal contact to soil and ingestion of soil. The contributing COCs are cPAHs in soils.

2.3.3.3 Summary of Remedial Actions

2.3.3.3.1 Based on the results of the risk assessment, LUCs were implemented.

2.3.3.4 Land Use Inspection Observations

2.3.3.4.1 SEAD-122E was inspected on 26 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site. The site is the location of the New York State Police high speed driving course with traffic cones set up across the site. Photographs from the LUC inspection are provided in **Appendix B, Figure B-20**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.4 ASH LANDFILL OPERABLE UNIT

2.4.1 Summary of the Ash Landfill Operable Unit LUC Objectives And Restrictions

2.4.1.1 Five SEADs (SEADs 3, 6, 8, 14, and 15) are located within the Ash Landfill Operable Unit and are subject to institutional controls including LUCs (**Appendix A, Figure A-2**). The LUC performance objectives include:

- Preventing access to or use of groundwater until cleanup levels are met.

- Maintaining the integrity of any current or future remedial or monitoring system such as monitoring wells and permeable reactive barriers.

- Prohibiting excavation of the soil or construction of inhabitable structures (temporary or permanent) above the area of the existing groundwater plume.

- Maintain the vegetative soil layer over the ash fill areas and the Non-Combustible Fill Landfill (NCFL) to limit ecological contact (Parsons 2005c).

2.4.2 SEADs 3/6/8/14/15: Ash Landfill

2.4.2.1 Site History

2.4.2.1.1 The Ash Landfill site is located along the western boundary of SEAD (**Appendix A, Figure A-2**). The site is bounded on the north by Cemetery Road, on the east by a SEAD railroad line, on the south by open grassland and brush, and on the west by the Depot's boundary. The Ash Landfill site was initially estimated to encompass an area of approximately 130 acres. This larger area was investigated to ensure that no previously unknown waste disposal areas were overlooked. Following the remedial investigation, the area of the Ash Landfill site was refocused to an area of approximately 23 acres. This area is comprised of five SWMUs including: Incinerator Cooling Water Pond (SEAD-3), the Ash Landfill (SEAD-6), the NCFL (SEAD-8), the Refuse Burning Pits (SEAD-14), and the Abandoned Solid Waste Incinerator Building (SEAD-15) (**Appendix A, Figure A-2**). The debris piles are located near SEAD-14. The Ash Landfill (SEAD-6) also includes a groundwater plume that emanates from the northern western side of the landfill area (Parsons 2005c).

2.4.2.2 History of Contamination

2.4.2.2.1 From 1941 to 1974, household trash and Depot refuse was burned in a series of Refuse Burning Pits near the Abandoned Incinerator Building (Building 2207). During approximately this same period (1941 until the late 1950s or early 1960s) the ash from the Refuse Burning Pits was buried in the Ash Landfill. The Incinerator Building was built in 1974. Between 1974 and 1979, materials intended for disposal were transported to the incinerator. The source for the refuse was domestic waste from Depot activities and family housing. Large items that could not be burned were disposed of at the NCFL. The NCFL is located southeast of the Incinerator Building (immediately south of the SEAD railroad line). The NCFL was used as a disposal site for non-combustible materials, including construction debris, from 1969 until 1977. Ash and other residues from the incinerator were temporarily disposed of in the Incinerator Cooling Water Pond immediately north of the Incinerator Building. Approximately every 18 months, when the pond filled, the fly ash and residues were removed, transported, and buried in the adjacent Ash Landfill, east of the Cooling Pond. A fire destroyed the incinerator in May 1979, and the landfill was subsequently closed. A vegetative cover, comprised of native soils and grasses, was observed over the Ash Landfill during the 1994 RI (Parsons ES 1994b, 1994c).

2.4.2.3 Summary of Remedial Actions

2.4.2.3.1 Prior to the listing of SEAD on the National Priorities List, two removal actions were performed at the Ash Landfill. The first action was the removal of a former 1000-gallon underground storage tank that was used to store heating oil and was located on the east side of the abandoned Incinerator Building. The second, an NTCRA, was conducted by the Army in 1994/1995 and consisted of the excavation and thermal treatment of soil impacted with VOCs (Parsons 2005c).

2.4.2.3.2 As part of a demonstration study, a 650-foot long permeable reactive iron wall (zero valent iron) was installed near the western property line of the Ash Landfill AOC (EnviroMetal Technologies Inc [ETI] 2001). In accordance with the 2005 ROD, remedial actions completed in 2006 included the installation of 3 dual biowall systems, construction of a 12-inch vegetative cover over the Ash Landfill and NCFL, the excavation and disposal of Debris Piles A, B, C, and the re-grading of the Incinerator Cooling Water Pond. The Ash Landfill currently is the subject of groundwater LTM (Parsons 2006b, 2006c, 2016c, 2022b). Chemical results indicate that the concentrations of chlorinated ethenes are decreasing as they pass through the biowall systems; concentrations of chlorinated VOCs are non-detect within the biowalls and at the off-site sentinel well. At other wells, chlorinated VOCs are present in the groundwater at the site at concentrations above respective Class GA groundwater standards and continued monitoring is required to determine COC concentration trends. Per request of the NYSDEC, a subset of the wells at the Ash Landfill were sampled twice for 1,4-dioxane as part of their emerging contaminant program; concentrations were within or below the EPA's acceptable risk range for cancer (10E- 06 to 10E-04) represented by the concentration range of 0.46 µg/L to 46 µg/L based on the EPA Regional Screening Level, Tap water (target cancer risk = 1E-06) (EPA 2019; Parsons 2020).

2.4.2.4 Land Use Inspection Observations

2.4.2.4.1 SEADs 3, 6, 8, 14, and 15 at the Ash Landfill Operable Unit were inspected on 20 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (temporary or permanent habitable structures) were present and no access to, or use of, groundwater was evident beyond that which is gained by the existing monitoring well network. The monitoring well network was observed to need maintenance and repairs. Maintenance and repairs needed consisted of adding locks, well seals and new surface casings to a select number of well locations. The soil cap and vegetative cover is present and intact with no evidence of erosion. No evidence of unauthorized excavation or digging was present at the site. Photographs from the LUC inspection are provided in **Appendix B, Figure B-21a and Figure B-21b**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.5 NORTH END INSTITUTIONAL AREA

2.5.1 Summary of the North End Institutional Area LUC Objectives And Restrictions

2.5.1.1 One SEAD (SEAD-41) was inspected within the North End Institutional Area for LUC compliance. Historical groundwater data led the Army to impose a restriction on groundwater use for SEAD-41 and all of the properties within the North End Institutional Area as follows:

- Prohibit access to or use of groundwater at SEAD 41 until concentrations of hazardous substances contained are reduced to levels that allow UU.

2.5.2 SEAD-41: Building 718 Boiler Blowdown Leaching Pit

2.5.2.1 Site History

2.5.2.1.1 SEAD-41 is the blowdown leaching area suspected to have existed in the drainage ditch located approximately 40 feet west of Building 718, an abandoned boiler plant located in the northern end of the Depot, on property currently owned by the Seneca County Industrial Development Agency (IDA) (**Figure A-2**).

2.5.2.2 History of Contamination

2.5.2.2.1 Prior to connecting the boiler blowdown points to the sewer in 1979-1980, blowdown was reportedly released three times a day, and the discharged liquid was allowed to flow onto the ground at the blowdown point where it either infiltrated into the ground or flowed into the nearby drainage ditch. Each boiler is reported to have discharged between 400 and 800 gallons of blowdown liquids per day. The boiler blowdown is suspected to have contained water, tannins, caustic soda (sodium hydroxide), and sodium phosphate (Parsons 2007a).

2.5.2.3 Summary of Remedial Actions

2.5.3.3.1 During the 1993/1994 sampling program, petroleum hydrocarbons were detected in all of the soil samples collected from SEAD-41. The surface samples collected nearest the point where the blowdown liquids were suspected of being discharged contained the greatest concentration of petroleum hydrocarbons. The sampling program delineated the extent of petroleum-impacted soil to an area approximately 40 feet long by 3 feet wide. In 2000, a TCRA was conducted at SEAD-41, and approximately 5 cubic yards of petroleum contaminated soils were removed.

2.5.2.4 Land Use Inspection Observations

2.5.2.4.1 SEAD-41 was inspected on 29 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-22**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.6 OTHER AREAS

2.6.1 Summary Of The LUC Objectives and Restrictions Of SEADs in Other Areas

2.6.1.1 Four other SEADs (SEAD 13, 64B, 64D, and 12) were inspected within the SEAD. A summary of the LUCs implemented at these four AOCs are as follows:

- Prevent access to or use of the groundwater until NYS Class GA Groundwater Standards are met (SEAD-13 and SEAD-64D).

- Restriction on unauthorized excavation or digging within SEAD-64B and SEAD-64D (Parsons 2007a).

- Implementation, monitoring, and maintenance of an environmental LUC restricting access to and use of the existing vacant Buildings 813/814 and the construction of inhabitable structures (temporary or permanent) above the area and within a 50-foot perimeter of Buildings 813/814 and 50-foot radius from MW12-37 where trichloroethene-contaminated soil was previously identified, and where contaminated groundwater may exist (SEAD-12).

- Implementation, monitoring, and maintenance of a LUC that prohibits access to and use of groundwater in the vicinity of Buildings 813/814 (SEAD-12).

- Prohibit the development and use of the property for residential housing, elementary and secondary schools, childcare facilities and playgrounds until soil and groundwater standards for unrestricted use and unlimited exposure are achieved (SEAD-12).

2.6.2 SEAD-13: Inhibited Red Fuming Nitric Acid (IRFNA) Disposal Site

2.6.2.1 Site History

2.6.2.1 SEAD-13 is located in the northeast portion of SEAD and includes two historic disposal areas, SEAD-13- East and SEAD-13-West, which are located on the eastern and western sides of the Duck Pond's southern end, respectively (**Appendix A, Figure A-2**). Historically, SEAD-13 was used during the early 1960s to dispose of quantities of unserviceable IRFNA, an oxidizer used in missile liquid propellant systems.

2.6.2.2 History of Contamination

2.6.2.2.1 During the operation of the IRFNA Disposal Site, the pits were utilized as a neutralization area for IRFNA. Barrels of unserviceable IRFNA were brought to the site from other locations within SEAD, and were temporarily staged on pallets near the disposal pits. Each barrel of unserviceable IRFNA was emptied through a water pressure powered stainless steel ejector that was fitted onto one barrel at a time while water was flowing through the ejector. The IRFNA mixed with water in the ejector and the mixture was then discharged to the disposal pit through a long polyethylene hose that discharged beneath the surface of the water in the pit being used. The disposed IRFNA/water solution mixed with the limestone in the pit to facilitate the neutralization of the acid. Ten barrels were typically discharged into each pit during one day of operation. The human health risk assessment found that if the groundwater pathway was eliminated, the cancer risk values for current and future receptors were at acceptable limits. An ecological risk assessment was completed and no COCs were identified (Parsons 2004c).

2.6.2.3 Summary of Remedial Actions

2.6.2.3.1 Based on the results of the human health and ecological risk assessments, no action was performed at SEAD-13.

2.6.2.4 Land Use Inspection Observations

2.6.2.4.1 SEAD-13 was inspected on 29 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-23**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.6.3 SEAD-64B: Garbage Disposal Area

2.6.3.1 Site History

2.6.3.1.1 The Garbage Disposal Area at SEAD-64B is located immediately north of Ovid Road near Building 2086 in the southern end of SEAD (**Appendix A, Figure A-2**). SEAD-64B was used for garbage disposal from 1974 to 1979, which corresponds to a period when the Depot's solid waste incinerator was not in operation. It appears that one or two truckloads of household waste were disposed at SEAD-64B based on the size of the fill area and amount of debris observed.

2.6.3.2 History of Contamination

2.6.3.2.1 SEAD-64B is a historic landfill that is subject to regulation under the State of New York's Solid Waste Management Regulations (see 6 NYCRR Part 360). The Army ceased use of this unit in the late 1970s. As a historic solid waste landfill, the site was subject to final closure in accordance with requirements of 6 NYCRR Part 360 in effect as of 28 August 1977.

2.6.3.2.2 Once solid waste disposal ceased at SEAD-64B in the late 1970s, the Army applied a permanent soil cover over the disposed waste and allowed the area to revegetate naturally. The former landfill continues to be covered and has an established vegetative covering. The Army requested formal closure of this historic landfill from the NYSDEC in letters dated 24 May 2005 and 14 August 2006. In a letter dated 11 September 2006, the NYSDEC agreed that SEAD-64B is closed under the New York Solid Waste Regulations.

2.6.3.3 Summary of Remedial Actions

2.6.3.3.1 The only action is implementation of the LUCs subsequent to the installation of the landfill cap has been performed at SEAD-64B. Human health and ecological risk assessments were completed and no COCs were identified.

2.6.3.4 Land Use Inspection Observations

2.6.3.4.1 SEAD-64B was inspected on 23 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no

unauthorized excavations or digging were present at the site. The soil cap and vegetative cover is present and intact and no evidence of erosion was observed. Photographs from the LUC inspection are provided in **Appendix B, Figure B-24**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.6.4 SEAD-64D: Garbage Disposal Area

2.6.4.1 Site History

2.6.4.1.1 SEAD-64D covers an area located between West Patrol Road and the railroad tracks located to the west along North-South Baseline Road in the southwestern portion of SEAD **(Appendix A, Figure A-2**). Portions of SEAD-64D were used for garbage disposal from 1974 to 1979 when the SEAD solid waste incinerator was not in operation. The type of waste disposed at SEAD-64D was primarily household waste, although according to information contained in the Final SWMU Classification Report (Parsons ES 1994a) and conditions observed during test pitting, construction debris was also disposed of at SEAD-64D.

2.6.4.2 History of Contamination

2.6.4.2.1 SEAD-64D is a historic solid waste management unit (historic landfill) that is subject to regulation under the State of New York's Solid Waste Management Regulations (see 6 NYCRR Part 360). The Army ceased use of this unit in the late 1970s. As a historic solid waste landfill, the site was subject to final closure in accordance with requirements of 6 NYCRR Part 360 in effect as of 28 August 1977.

2.6.4.2.2 Once solid waste disposal ceased at SEAD-64D in the late 1970s, the Army applied a permanent soil cover over the disposed waste and allowed the area to revegetate naturally. The former landfill continues to be covered and has an established vegetative covering. The Army requested formal closure of the historic landfill from the NYSDEC in letters dated 24 May 2005 and 14 August 2006. In a letter dated 11 September 2006, the NYSDEC agreed that SEAD-64B and SEAD-64D are closed under the New York Solid Waste Regulations.

2.6.4.3 Summary of Remedial Actions

2.6.4.3.1 No action subsequent to the installation of the landfill cap has been performed at SEAD-64D. Human health and ecological risk assessments were completed and no COCs were identified.

2.6.4.4 Land Use Inspection Observations

2.6.4.4.1 SEAD-64D was inspected on 29 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no access to, or use of, groundwater was evident. Evidence of farming was observed directly adjacent to the site. No evidence of unauthorized excavations or digging was present. The soil cap and vegetative cover was present and intact and no evidence of erosion was observed. The site monitoring well network appears to be intact and in good working order. Photographs from the LUC inspection are provided in **Appendix B, Figure B-25**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.6.5 SEAD-12: Radiological Sites

2.6.5.1 Site History

2.6.5.1.1 The Radioactive Waste Burial Site (SEAD-12) is located in the north-central portion of SEAD, also known as the high security area and referred to as the "Q Area" (**Appendix A, Figure A-2**). After the end of World War II, the Depot's mission shifted from supply to storage, maintenance, and disposal of ammunition and equipment. As the "Q" Area facilities became operational, the AOC was operated by the Atomic Energy Commission until 1962. After 1962, all activities at SEAD-12 and SEAD-72 were transferred to the Army.

2.6.5.2 History of Contamination

2.6.5.2.1 The contaminant sources at SEAD-12 were the military-related items and other debris associated with the historic waste burial activity within the AOC. Prior test pitting operations conducted as part of the SEAD-12 ESI and the SEAD-12 RI indicated that buried material contained in the burial pits included an undefined quantity of military-related debris, other conventional forms of debris (e.g., construction and demolition debris, miscellaneous debris, etc.), and fill material, all of which was covered by known thicknesses of native, overburden soil.

2.6.5.3 Summary of Remedial Actions

2.6.5.3.1 The Army performed a removal action during 2009 in the historic waste burial pits to excavate material contained within the pits and allow the Army to examine the contents so that military-related items could be identified, removed, and secured, pending any final demilitarization, dismantling, and disposal. Recovered military-related items were not found to coexist with conventional chemical hazardous substances at concentrations of particular concern, but in many cases the recovered military-related items did exhibit levels of residual radiation at levels in excess of regional background. 5433 tons of soil and comingled debris were disposed of at an off-site licensed landfill, 122 tons of material were recycled and 13.25 tons of military-related items with radiological residuals in excess of background levels were secured and disposed of at an off-site licensed low-level radioactive waste disposal site.

2.6.5.4 Land Use Inspection Observations

2.6.5.4.1 SEAD-12 was inspected on 28 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (temporary/permanent habitable structures, residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site and no access to, or use of, groundwater was evident beyond that which is gained by the existing monitoring well network. Photographs from the LUC inspection are provided in **Appendix B, Figure B-26**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.7 FORMER MUNITIONS RESPONSE SITES

2.7.1 Summary of the LUC Objectives and Restrictions of SEADs in Former Munitions Sites

2.7.1.1 Four SEADs (SEAD 002-R-01, 003-R-01, 007-R-01, and 46) were inspected within the SEAD former ammunition storage area. A summary of the LUCs implemented at these four AOCs are as follows:

- Prohibits the development or use of property for residential housing, elementary and secondary schools, childcare facilities or playground activities.

- Requires the Army (or Army contractor) to conduct an annual 3R Explosives Safety Education Program for property owners of the SEAD Munitions Response Sites.

2.7.2 SEAD-46: Small Arms Firing Range (Former 3.5-inch Rocket Range)

2.7.2.1 Site History

2.7.2.1.1 The SAR (SEAD-46), also known as the "3.5-inch Rocket Range," is a trapezoidal-shaped parcel of land that encompasses approximately 68 acres (**Appendix A, Figure A-2**). From the 1940s to the 1960s, SEAD-46 was used as a function test range for 3.5-inch rocket motors. The AOCs southern boundary is located approximately 6,000 feet north-northwest of SEAD's main gate off of State Highway 96. The predominant feature in the area is a man-made earthen berm that is situated near the northwest corner of the AOC; the berm served as a protective barrier during range operations.

2.7.2.2 History of Contamination

2.7.2.2.1 The contaminant sources at SEAD-46 were the military-related items and other debris associated with munitions testing and disposal activities within the AOC. SEAD-46 was used as a 3.5-inch Rocket Range. Based on the findings of the Ordnance and Explosives (OE) Engineering Evaluation/Cost Analysis (EE/CA), the likely use of the AOC was as a rocket motor function testing range and as such was suspected to contain munitions related debris (Parsons 2004e).

2.7.2.3 Summary of Remedial Actions

2.7.2.3.1 Geophysical surveys and intrusive investigations were first conducted by Parsons in 2004 over roughly 17.5 acres of SEAD-46 in 2000 and 1,155 anomalies were identified and investigated; 478 items were identified as munitions debris (MD) and 10 items were identified as material potentially presenting an explosive hazard (MPPEH).

2.7.2.3.2 A geophysical investigation was conducted in April 2005 at SEAD 46. Approximately 24 acres were digitally mapped. 98 anomalies were intrusively investigated and removed. The results of this investigation discovered 32 aluminum MD, 6 ferrous MD, and 60 cultural debris. No MPPEH items were found.

2.7.2.3.3 Finally, in 2006 a Munitions Response investigation of SEAD-46 detected 2,054 geophysical anomalies. Of the anomalies found, 16 were identified as suspected MPPEH. No identifiable complete or partial 3.5-inch rockets or rocket motors were found during the 2006 investigation. All items that posed a potential explosive hazard were disposed by detonation as part of the final process to make the items inert. All MD and scrap metal was inspected and certified as material documented as safe prior to transport off-site as non-hazardous scrap metal. Based on the results of this investigation and past investigations, SEAD-46 is considered to be clear of MPPEH and no further geophysical or munitions response action is needed.

2.7.2.4 Land Use Inspection Observations

2.7.2.4.1 SEAD-46 was inspected on 29 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site. Evidence of farming was observed within the southwest portion of the site. The site appeared to be recently tilled but no evidence of crops were present. Photographs from the LUC inspection are provided in **Appendix B, Figure B-27**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.7.3 SEAD-002-R-01: East Explosive Ordnance Disposal (EOD) Ranges (Former EOD Area 2 And EOD Area 3)

2.7.3.1 Site History

2.7.3.1.1 SEAD 002-R-01 includes two separate areas, EOD-2 and EOD-3, which are located in the northeastern portion of SEAD in the vicinity of Duck Pond and SEAD-46. EOD-2 encompasses approximately 3 acres of land on the southwestern shore of the Duck Pond. This area is west-northwest of SEAD-46 and southeast of the intersection of Fayette Road and East-West Baseline Road. The 1998 Archives Search Report (ASR) (U.S. Army Corps of Engineers 2018) states that explosive devices were used in EOD-2 and that non-explosive projectiles were disposed near the Duck Pond. EOD-3 encompasses approximately 4 acres of land approximately 250 feet north of the earthen protective barrier berm in SEAD-46. EOD- 3 was a former EOD disposal area.

2.7.3.2 History of Contamination

2.7.3.2.1 The 1998 ASR states that explosive devices were used in this area. Contaminates of concern are the military-related items and other debris associated with the historic explosive usage within the AOC.

2.7.3.3 Summary of Remedial Actions

2.7.3.3.1 As part of the OE EE/CA, geophysical surveys and intrusive investigations were conducted in 2000 at EOD Areas 2 and 3 (SEAD 002-R-01). Forty-six (46) percent (%) of the 5-acre EOD 2 Area was surveyed and 87 anomalies were investigated. Six of the items were MD and one item was munitions and explosives of concern (MEC). All items were found in the upper

3 inches of the soil. A total of 80% of the 5-acre EOD 3 Area was surveyed and 64 anomalies were investigated. Thirteen of the items were MD and no items were classified as MEC.

2.7.3.3.2 In 2006, two suspected MPPEH items were found in the EOD-2 portion of SEAD 002-R01. Both items were explosively vented to make them inert. No MPPEH items were found within EOD-3. Additionally, a soil analysis determined that the soil at SEAD 002-R01 had not been impacted by any historic operations and as a result no further action was needed.

2.7.3.4 Land Use Inspection Observations

2.7.3.4.1 SEAD 002-R-01 was inspected on 29 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site. Newly installed groundwater monitoring wells were present on the site. Photographs from the LUC inspection are provided in **Appendix B, Figure B-28**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.7.4 SEAD 003-R-01: Explosive Ordnance Disposal (EOD) Range 1

2.7.4.1 Site History

2.7.4.1.1 SEAD 003-R-01 (SEAD-57, the former Explosive Ordnance Disposal Area [formerly referred to as EOD-1]), is a rectangular parcel of land that encompasses approximately 72 acres in the west-northwest portion of the former Depot. SEAD 003-R-01 is adjacent to the southernmost portion of the open burning/open detonation grounds that occupy most of the land in the northwestern corner of SEAD. For more than 20 years, the 143rd Ordnance Detachment, a Department of the Army tenant organization at SEAD, performed ordnance and explosives disposal and training at SEAD 003-R-01. The area was used by EOD personnel for the disposal of and training with conventional ammunition or explosives weighing less than 5 pounds.

2.7.4.2 History of Contamination

2.7.4.2.1 The contaminant sources at SEAD 003-R-01 were the military-related items and other debris associated with the explosive disposal within the AOC.

2.7.4.3 Summary of Remedial Actions

2.7.4.3.1 As part of the OE EE/CA (Parsons 2004), geophysical surveys and intrusive investigations were conducted at SEAD 003-R-01. Twenty-three percent (23%) of the 60 acres were mapped, 1,700 anomalies were investigated, and 950 recovered items were classified as MD. Three of these were determined to be MEC. The three items were one MK2 grenade and two 20-mm projectiles. During the surface sweep for the EE/CA, a 37-mm armor piercing high explosive item was found near the abandoned ammunition disassembly area across the road from the AOC.

2.7.4.3.2 During the Geophysical Investigation of SEAD 003-R-01 in April 2005, approximately 22.5 acres of the AOC were digitally mapped. During the investigation, 75 anomalies were intrusively investigated. Four MPPEH items were found and reclassified as MD following venting.

2.7.4.3.3 SEAD 003-R-01 was also investigated intrusively during 2006 during which 47 items were classified as MPPEH. All but two were classified as MD following explosive venting. The two MEC items were suspected EOD training items. A soil analysis was conducted and determined that the soil at SEAD 003-R-01 has not been adversely impacted by historic operations and activities performed at this AOC. The Army believes that the analytical results developed from the soil samples collected demonstrates that the soil remaining at the AOC is consistent with the clean-up goals established prior to the beginning of the work at SEAD 003-R-01. Therefore, no further action is needed as approved by EPA and NYSDEC.

2.7.4.4 Land Use Inspection Observations

2.7.4.4.1 SEAD 003-R-01 was inspected on 29 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site. Evidence of farming was observed within the site. The site is currently planted with corn, covering much of the site. Photographs from the LUC inspection are provided in **Appendix B, Figure B-29**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.7.5 SEAD 007-R-01: Rifle Grenade Range

2.7.5.1 Site History

2.7.5.1.1 The Grenade Range, which was constructed in the mid-1980s, encompasses approximately 28 acres of land in the northwestern portion of the former Depot, to the west and southwest of SEAD 003-R-01 40-mm M781 (40-mm Low Velocity Practice Cartridge) and 35-mm M73 sub-caliber practice rockets were used at the Grenade Range during security forces' training. There is no record (or indication at the targets) that high explosive rounds were used.

2.7.5.2 History of Contamination

2.7.5.2.1 The contaminant sources at SEAD 007-R-01 were the military-related items and other debris associated with the historic rifle grenade usage within the AOC. The range also contained wooden and armored vehicle targets; distance and boundary markers; and the range control tower. The ASR states that 40-mm M781 and 35-mm M73 sub-caliber practice rockets were used at the AOC for security forces training. There is no record (or indication at the targets) that high explosive rounds were used. Small arms (blanks) casings were reported to be present at the time of the ASR in 1998.

2.7.5.3 Summary of Remedial Actions

2.7.5.3.1 During the OE EE/CA, 15 acres was geophysically mapped at SEAD 007-R-01 using an EM-61 instrument. In addition to the 15 acres (65 grids), the EM61 and a wandering path

methodology was used to sample 10% of the area between the firing line and the target area. The EE/CA investigated 865 digital geophysical mapping targets. This intrusive investigation resulted in 102 MPPEH items (101, 35 mm sub-caliber M73 and 1 Rifle Grenade M407A1, Practice) and numerous MD items.

2.7.5.3.2 During the 2006 Munitions Response, 218 potential MPPEH items were detected at SEAD 007-R-01. All potential MPPEH items were related to the M73 Practice Rocket and 40-mm practice grenade. Since none of the practice rockets found at SEAD 007-R-01 had intact motors, the practice rockets were reclassified as MD. However, since the M73 Practice Rockets potentially contained small, smoke emitting, bursting charges, all items were disposed by detonation as part of the final process to make the items inert. Based on the munitions response survey results, findings, quality control and QA procedures performed at the AOC, SEAD 007-R-01 is considered to be cleared of MPPEH and no further action other than LUCs is required.

2.7.5.4 Land Use Inspection Observations

2.7.5.4.1 SEAD 007-R-01 was inspected on 29 June 2023 to assess whether required LUCs imposed by the approved RODs are being maintained (**Tables 1 and 2**). The site inspection confirmed that no prohibited facilities (residential housing, schools, childcare facilities, and playgrounds) were present or had been constructed at the site. Photographs from the LUC inspection are provided in **Appendix B, Figure B-30**. LUC inspection forms are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

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3. CONCLUSIONS AND RECOMMENDATIONS

3.1 PLANNED INDUSTRIAL/OFFICE DEVELOPMENT (PID) AND WAREHOUSE AREA

3.1.1 Seventeen SEADs (SEADs 1, 2, 5, 16, 17, 25, 26, 27, 39, 40, 59, 64A, 66, 67, 71, 121C, and 121I) were inspected within the PID/Warehouse Area as part of this LUC inspection. Based on the LUC site inspections conducted in June 2023 the following conclusions were made:

- No violations of the institutional or LUCs were observed
- Nothing has occurred that would impair the ability of the LUCs to protect the public health and environment
- Landfill covers/containment features (SEADs 5 and 64A) were in place and operating as designed and no damage to the cover/containment was observed.

3.1.2 The LUCs for the PID/Warehouse Area continue to be protective of public health and the environment and are compliant with the LUC objectives. The following recommendations for sites included in this area are as follows:

- Review the LUCs and identify ramp-down or exit strategies
- Issue letters to current landowner annually, and request response from landowner on the status of their property's use and anticipated development.
- Continue annual inspections of LUCs required at the former Seneca Army Depot and provide annual reports on LUC compliance to EPA and NYSDEC.

3.2 PRISON AREA

3.2.1 Eight SEADs (SEADs 43, 44A, 44B, 52, 56, 62, 64C, and 69) were inspected within the Prison Area as part of this LUC inspection. Based on the LUC site inspections conducted in June 2023 the following conclusions were made:

- No violations of the institutional or LUCs were observed
- The property continues to be used for the purpose of a correctional facility as per the requirements in the applicable decision document.

3.2.2 The LUCs for the Prison Area continue to be protective of public health and the environment and are compliant with the LUC objectives. The following recommendations for sites included in this area are as follows:

- Review the LUCs and identify ramp-down or exit strategies

- Issue letters to current landowner annually, and request response from landowner on the status of their property's use and anticipated development.

- Continue annual inspections of LUCs required at the former Seneca Army Depot and provide annual reports on LUC compliance to EPA and NYSDEC.

3.3 AIRFIELD PARCEL

3.3.1 Two SEADs (SEADs 122B and 122E) were inspected within the Airfield Parcel as part of this LUC inspection. Based on the LUC site inspections conducted in June 2023 the following conclusions were made:

- No violations of the institutional or LUCs were observed

- Nothing has occurred that would impair the ability of the LUCs to protect the public health and environment.

3.3.2 The LUCs for the Airfield Parcel continue to be protective of public health and the environment and are compliant with LUC objectives. The following recommendations for sites included in this area are as follows:

- Review the LUCs and identify ramp-down or exit strategies

- Issue letters to current landowner annually, and request response from landowner on the status of their property's use and anticipated development.

- Continue annual inspections of LUCs required at the former Seneca Army Depot and provide annual reports on LUC compliance to EPA and NYSDEC.

3.4 ASH LANDFILL OPERABLE UNIT

3.4.1 Five SEADs (SEADs 3, 6, 8, 14, and 15) comprise the Ash Landfill Operable Unit. The entirety of the Ash Landfill Operable Unit was inspected as part of this LUC inspection. The following conclusions are based on the observations made during the June 2023 LUC site inspections:

- No violations of the institutional or LUCs were observed

- Nothing has occurred that would impair the ability of the LUCs to protect the public health and environment

- The integrity of the monitoring wells was found to need maintenance and repairs on a number of wells.

- Landfill covers/containment features were in place and operating as designed and no damage to the cover/containment was observed.

3.4.2 The LUCs for the Ash Landfill Operable Unit continue to be protective of public health and the environment and are compliant with the LUC objectives. The following recommendations for sites included in this area are as follows:

- Review the LUCs and identify ramp-down or exit strategies
- Issue letters to current landowner annually, and request response from landowner on the status of their property's use and anticipated development.
- Continue annual inspections of LUCs required at the former Seneca Army Depot and provide annual reports on LUC compliance to EPA and NYSDEC.

3.5 NORTH END INSTITUTIONAL AREA

3.5.1 One SEAD (SEAD-41) was inspected within the North End Institutional Area as part of this LUC inspection. Based on the LUC site inspections conducted in June 2023 the following conclusions were made:

- No violations of the institutional or LUCs were observed
- Nothing has occurred that would impair the ability of the LUCs to protect the public health and environment.

3.5.2 The LUCs for the North End Institutional Area continue to be protective of public health and the environment and are compliant with the LUC objectives. The following recommendations for the site included in this area are as follows:

- Review the LUCs and identify ramp-down or exit strategies
- Issue letters to current landowner annually, and request response from landowner on the status of their property's use and anticipated development.
- Continue annual inspections of LUCs required at the former Seneca Army Depot and provide annual reports on LUC compliance to EPA and NYSDEC.

3.6 OTHER AREAS

3.6.1 Four SEADs (SEAD 12, 13, 64B, and 64D) located within SEAD were inspected as part of this LUC inspection. Based on the LUC site inspections conducted in June 2023 the following conclusions were made:

- No violations of the institutional or LUCs were observed

- Nothing has occurred that would impair the ability of the LUCs to protect the public health and environment

- Landfill covers/containment features (SEADs 64B and 64D) were in place operating as designed and no damage to the cover/containment was observed.

3.6.2 The LUCs for SEADs 12, 13, 64B, and 64D continue to be protective of public health and the environment and are compliant with the LUC objectives. The following recommendations for sites included in this area are as follows:

- Review the LUCs and identify ramp-down or exit strategies

- Issue letters to current landowner annually, and request response from landowner on the status of their property's use and anticipated development.

- Continue annual inspections of LUCs required at the former Seneca Army Depot and provide annual reports on LUC compliance to EPA and NYSDEC.

3.7 FORMER MUNITIONS RESPONSE SITES

3.7.1 Four SEADs (SEAD 002-R-01, 003-R-01, 007-R-01, and 46) that were former MRSs were inspected as part of this LUC inspection. Based on the LUC site inspections conducted in June 2023 the following conclusions were made:

- No violations of the LUCs were observed

- Nothing has occurred that would impair the ability of the LUCs to protect the public health and environment.

3.7.2 The LUCs for SEADs 002-R-01, 003-R-01, 007-R-01, and 46 continue to be protective of public health and the environment and are compliant with the LUC objectives. The following recommendations for the former MRSs are as follows:

- Review the LUCs and identify ramp-down or exit strategies

- Issue letters to current landowner annually, and request response from landowner on the status of their property's use and anticipated development.

- Continue annual inspections of LUCs required at the former Seneca Army Depot and provide annual reports on LUC compliance to EPA and NYSDEC.

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Tables

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Table 1. Operable Unit Crosswalk and LUC Requirements

Site Number	Site Name	Operable Unit (OU)	Tax Map	Owner	Survey Status[a] (PLS, GPS, None)	LUC Requirements								
						Prohibit Residential, Schools, Childcare Facilities, & Playgrounds	Prohibit Construction of Inhabitable Structures (temporary or permanent)	GW Use Restriction (Prohibit Access or Use of)	GW LTM Required	Unauthorized Excavation Restriction	Maintain Soil Cap and/or Vegetative Cover	Maintain Remedial & Monitoring Wells System	Continued Restricted Use as Correctional Facility	3R Explosives Safety Education Program
Planned Industrial/Office Development (PID)/Warehouse Area														
SEAD-1	Hazardous Waste Container Storage Facility (Building 307)	OU13	08-1-03.5	Seneca Depot LLC	GPS	X		X						
SEAD-2	PCB Transformer Storage Facility (Building 301)	OU13	02-1-01	Deer Haven Park, LLC	GPS	X		X						
SEAD-5	Sewage Sludge Storage Piles	OU13	08-1-03.4	Seneca Depot LLC	GPS	X		X		X	X			
SEAD-16	Building S311, Abandoned Deactivation Furnace	OU4	08-1-03.5	Seneca Depot LLC	GPS	X		X	X					
SEAD-17	Building 367, Active Deactivation Furnace	OU4	08-1-03.5	Seneca Depot LLC	GPS	X		X	X					
SEAD-25	Fire Training and Demonstration Pad	OU3	08-1-03.5	Seneca Depot LLC	GPS	X		X	X			X		
SEAD-26	Fire Training Pit	OU3	08-1-03.5	Seneca Depot LLC	GPS	X		X	X[1]					
SEAD-27	Steam Cleaning Waste Tank (Building 360)	OU12	08-1-03.5	Seneca Depot LLC	GPS	X		X						
SEAD-39	Building 121 Boiler Plant Blowdown Leach Pit	OU17	08-1-03.5	Seneca Depot LLC	GPS	X		X						
SEAD-40	Building 319 Boiler Plant Blowdown Leach Pit	OU17	08-1-03.5	Seneca Depot LLC	None	X		X						
SEAD-59	Fill Area West of Building 135	OU6	08-1-03.5	Seneca Depot LLC	GPS	X		X						
SEAD-64A	Garbage Disposal Area, South of Storage Pad	OU12	08-1-03.5	Seneca Depot LLC	GPS	X		X		X				
SEAD-66	Pesticide Storage Area near Buildings 5 and 6	OU12	02-1-01	Deer Haven Park, LLC	None	X		X						
SEAD-67	Dump Site east of Sewage Treatment Plant No. 4	OU16 & OU17	08-1-03.5	Seneca Depot LLC	GPS	X		X						
SEAD-71	Alleged Paint Disposal Area	OU6	08-1-03.5	Seneca Depot LLC	GPS	X		X						
SEAD-121C	Defense Reutilization and Marketing Office (DRMO) Yard	OU21	08-1-03.5	Seneca Depot LLC	GPS	X		X						
SEAD-121I	Rumored Cosmoline Disposal Area	OU21	08-1-03.5	Seneca Depot LLC	GPS	X		X						
Prison Area														
SEAD-43	Building 606 Old Missile Propellant Test Laboratory	OU17	16-1-21	NY State Corrections	None								X	
SEAD-44A	Quality Assurance Test Laboratory, West of Building 616	OU17	16-1-21	NY State Corrections	None								X	
SEAD-44B	Quality Assurance Test laboratory, Brady Road	OU17	16-1-21	NY State Corrections	None								X	
SEAD-52	Building 608 and 612 Ammunition Breakdown Area	OU10 & OU17	16-1-21	NY State Corrections	None								X	
SEAD-56	Building 606 Herbicide and Pesticide Storage	OU17	16-1-21	NY State Corrections	None								X	
SEAD-62	Nicotine Sulfate Disposal Area near Building 606 and 612	OU17	16-1-21	NY State Corrections	None								X	
SEAD-64C	Garbage Disposal Area	OU17	16-1-21	NY State Corrections	None								X	
SEAD-69	Building 606 Disposal Area	OU17	16-1-21	NY State Corrections	None								X	

Table 1. Operable Unit Crosswalk and LUC Requirements

Site Number	Site Name	Operable Unit (OU)	Tax Map	Owner	Survey Status[a] (PLS, GPS, None)	LUC Requirements								
						Prohibit Residential, Schools, Childcare Facilities, & Playgrounds	Prohibit Construction of Inhabitable Structures (temporary or permanent)	GW Use Restriction (Prohibit Access or Use of)	GW LTM Required	Unauthorized Excavation Restriction	Maintain Soil Cap and/or Vegetative Cover	Maintain Remedial & Monitoring Wells System	Continued Restricted Use as Correctional Facility	3R Explosives Safety Education Program
Other SEADs with LUC Requirements														
SEAD-12	Radiological Waste Burial Sites	OU5	07-1-44	Seneca County IDA	PLS	X	X	X						
SEAD-13	Inhibited Red Fuming Nitric Acid (IRFNA) Disposal Site	OU9 & OU17	07-1-49	Deer Haven Park, LLC	GPS			X				X[2]		
SEAD-64B	Garbage Disposal Area, South of Classification Area	OU17	02-1-01	Deer Haven Park, LLC	GPS					X	X			
SEAD-64D	Garbage Disposal Area, West of Building 2203	OU17	02-1-01	Deer Haven Park, LLC	GPS			X		X	X	X		
North End Barracks Area														
SEAD-41	Building 718 Boiler Plant Blowdown Leach Pit	OU14	07-1-10.2	Seneca County IDA	None			X						
Airfield Parcel														
SEAD-122B	Small Arms Range, Airfield	OU17	11-1-02	Deer Haven Park, LLC	None	X								
SEAD-122E	Plane Deicing Area	OU17	11-1-02	Deer Haven Park, LLC	None	X								
Ash Landfill Operable Unit														
SEAD-3	Incinerator Cooling Water Pond	OU1	02-1-01	Deer Haven Park, LLC	None[3]		X	X	X	X	X			
SEAD-6	Abandoned Ash Landfill	OU1	02-1-01	Deer Haven Park, LLC	None[3]		X	X	X	X	X			
SEAD-8	Non-Combustible Fill Area	OU1	02-1-01	Deer Haven Park, LLC	None[3]		X	X	X	X	X			
SEAD-14	Refuse Burning Pits (2 units)	OU1	02-1-01	Deer Haven Park, LLC	None[3]		X	X	X	X	X			
SEAD-15	Abandoned Solid Waste Incinerator (Building 2207)	OU1	02-1-01	Deer Haven Park, LLC	None[3]		X	X	X	X	X			
Former Munitions Response Sites (MRSs)														
SEAD-46	Small Arms Range (aka 3.5-inch Rocket Range)	OU11	07-1-49	Deer Haven Park, LLC	PLS	X								X
SEAD 003-R-01	Explosive Ordnance Disposal Area (#1) (SEAD-57)	OU11	07-1-47	Deer Haven Park, LLC	PLS	X								X
SEAD 007-R-01	Grenade Range	OU19	07-1-46	Deer Haven Park, LLC	PLS	X								X
SEAD 002-R-01	Explosive Ordnance Disposal Areas #2 and #3	OU19	07-1-49	Deer Haven Park, LLC	PLS	X								X

Notes:

a) Survey Status: Professional Land Survey (PLS), GPS corner points, None (approximate historic work area).

X[1] – Long-term groundwater monitoring was initially required at SEAD-26 as a condition of the ROD. Groundwater monitoring at SEAD-26 was terminated by the Army, with the approval of the EPA and the NYSDEC after the first year of sampling (2006) after analysis indicated that no COCs were present in the groundwater at concentrations above defined cleanup goals; however, this Site was reopened in 2018 and is the subject of a PFAS investigation.

X[2] – At SEAD-13, the ROD requires that the integrity of any current or future remedial or monitoring system is maintained. All the monitoring wells at SEAD-13 were decommissioned.

None[3] - GPS corner points available for the OU.

Table 2. ROD and LUC RD References

OU	Name	SEAD ID	Decision Document Reference
0	Sitewide	NA	NA
1	Ash landfill	SEAD 3, 6, 8, 14, 15	ROD (January 2005)[1]
2	Open burning grounds	SEAD 23	ROD (January 1999)[2]
3	Fire training pad	SEAD 25, 26	ROD (September 2004)[3]
4	Deactivation furnaces	SEAD 16, 17	ROD (March 2006)[4]
5	Radioactive waste sites, etc.	SEAD 12, 72	ROD (March 2015)[5]
6	Fill area/paint disposal	SEAD 59, 71	ROD (March 2009)[6]
7	Munitions washout facility	SEAD 4, 38	ROD (August 2009)[7]
8	Old Construction Debris	SEAD 11	ROD (September 2009)[8]
9	IRFNA disposal site	SEAD 13	ROD (July 2004)[9]
10	Ammunition breakdown area, etc.	SEAD 52, 60	ROD (September 2003)[10]
			ROD (March 2007)[11]
11	Open detonation grounds	SEAD 46, 003-R-01, 002-R-01, 007-R-01, 70	ROD (May 2002)[12]
			ROD (March 2017)[13]
12	Pesticide storage area	SEAD 27, 64A, 66	ROD (May 2002)[12]
			ROD (March 2004)[14]
13	Pitchblende storage	SEAD 48; inc. SEADs 1, 2, 5, 24	ROD (April 2009)[15]
14	Multiple SEAD	No Action/No Further Action/IC Sites	
		No Action: SEADs 7, 9, 10, 18, 19, 20, 21, 22, 33, 35, 36, 37, 42, 47, 49, 51, 53, 55, 65, 68	ROD (May 2002)[12]
		No Further Action: SEADs 28, 29, 30, 31, 32, 34, 58,	ROD (September 2003)[10]
		60, 61, 63	ROD (March 2007)[11]
		IC Sites: SEADs 13, 39, 40, 41, 43/56/69, 44A, 44B,	
		52, 62, 64B, 64C, 64D, 67, 122B and 122E	
15	SEAD 50/54	SEAD 50, 54	ROD (September 2005)[16]
16	DRMO yard	SEAD 121C, 121I	ROD (June 2008)[17]
17	SEAD-45 – OD grounds	SEAD 45	NA

Notes:
DRMO = Defense Reutilization and Marketing Office
IRFNA = Inhibited red-fuming nitric acid
NA = No ROD for this site yet.
ROD = Record of Decision
SEAD = Former Seneca Army Depot (site designation)
OU = Operable unit
Sources:

1) Parsons. 2005a. ROD The Ash Landfill Operable Unit. January.
2) Parsons. 1999. ROD Former Open Burning (OB) Grounds Site. January.
3) Parsons. 2004b. ROD The Fire Training and Demonstration Pad (SEAD 25) and the Fire Training Pit and Area (SEAD 26). September.
4) Parsons. 2006. ROD The Abandoned Deactivation Furnace (SEAD-16) and the Active Deactivation Furnace (SEAD-17). March.
5) Parsons. 2015. ROD The Radioactive Waste Burial Sites (SEAD-12) and the Mixed Waste Storage Facility (SEAD-72). March.
6) Parsons. 2009a. ROD for the fill area west of Building 135 (SEAD-59) and the Alleged Paint Disposal Area (SEAD-71). March.
7) Parsons. 2008. ROD for the Munitions Washout Facility (SEAD-4) and the Building 2079 Boiler Blowdown Pit (SEAD-38). August.
8) Parsons. 2009b. ROD for the Old Construction Debris Landfill (SEAD-11). September.
9) Parsons. 2004c. Decision Document, Mini Risk Assessment, SEAD-13, IRFNA Disposal Area. July.
10) Parsons. 2003. ROD for Twenty No Action SWMUs (SEADs 7, 9, 10, 18, 19, 20, 21, 22, 33, 35, 36, 37, 42, 47, 49, 51, 53, 55, 65, and 68) and Eight No Further Action SWMUs (SEADs 28, 29, 30, 31, 32, 34, 60, and 61). September.

Table 2. ROD and LUC RD References

OU	Name	SEAD ID	Decision Document Reference

11) Parsons. 2007. ROD for Seventeen SWMUs Requiring Land Use Controls (SEADs 13, 39, 40, 41, 43/56/69, 44A, 44B, 52, 62, 64B, 64C, 64D, 67, 122B, and 122E). March.

12) Parsons. 2002. Decision Document–- Mini Risk Assessment SEAD 9, 27, 28, 32, 33, 34, 43, 44A, 44B, 52, 56, 58, 62, 64A, 64B, 64C, 64D, 66, 68, 69, 70, and 120B. May.

13) Parsons. 2017. ROD SEAD-46, SEAD 003-R-01 (SEAD-57), SEAD 002-R-01 and SEAD 007-R-01 (Seneca AD Munitions Response Sites) and SEAD-70. March.

14) Parsons. 2004d. ROD for Sites Requiring Institutional Controls in the Planned Industrial/Office Development or Warehousing Areas. September.

15) Parsons. 2009c. ROD for Five Former SWMUs SEAD-1, 2, 5, 24, & 48. April.

16) Parsons. 2005b. ROD No Further Action SWMUs (SEAD-50/54). September.

17) Parsons. 2008. ROD for the Defense Reutilization and Marketing Office Yard (SEAD-121C) and the Rumored Cosmoline Oil Disposal Area (SEAD-121I). June.

Appendix A

General Site Figures

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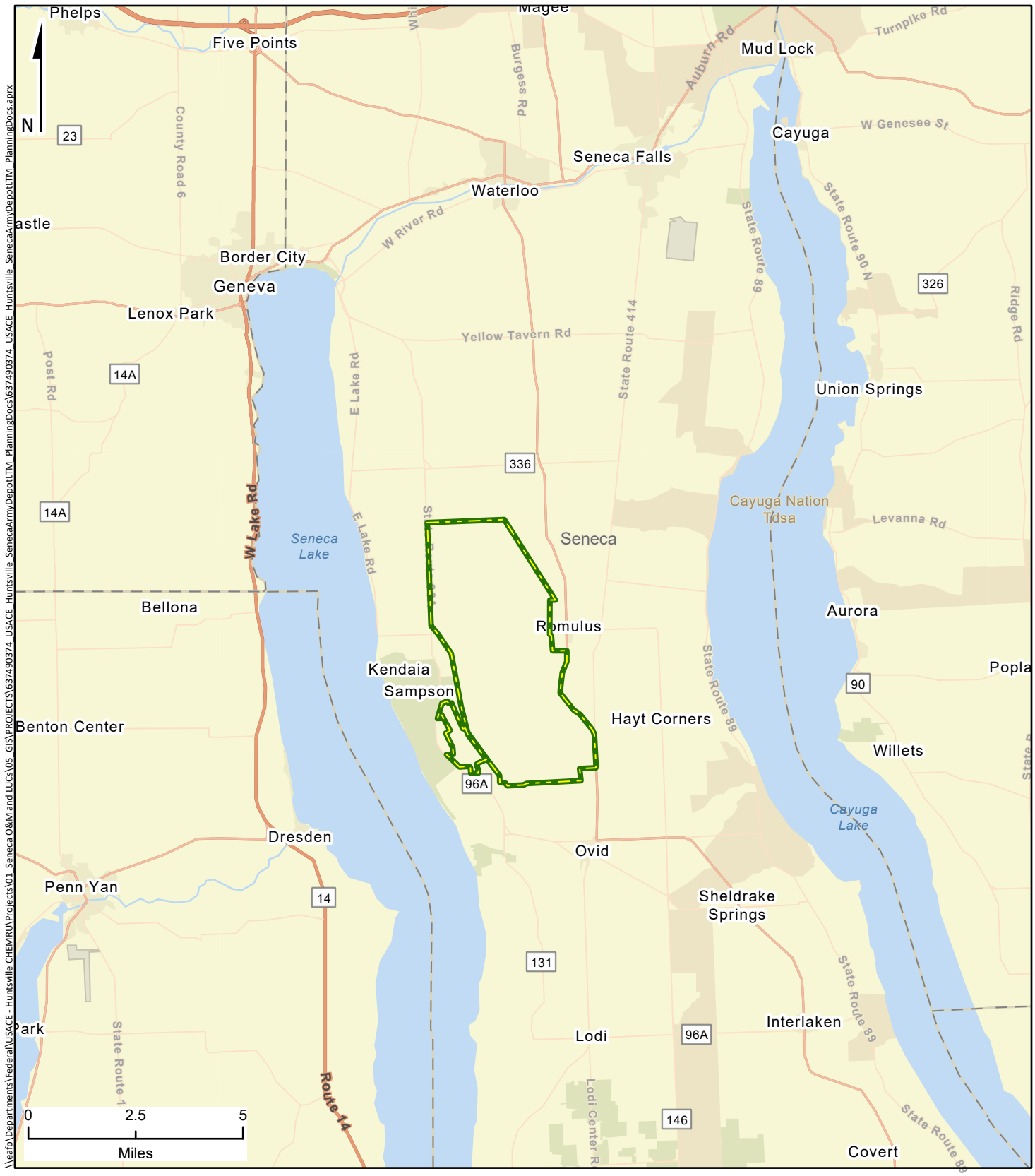

Legend

Former Depot Boundary

Figure A-1
Site Location
Former Seneca Army Depot
Romulus, New York

Map Date:1/4/2023 9:21 AM

Projection: NAD 1983 2011 StatePlane
New York Central FIPS 3102 Ft US

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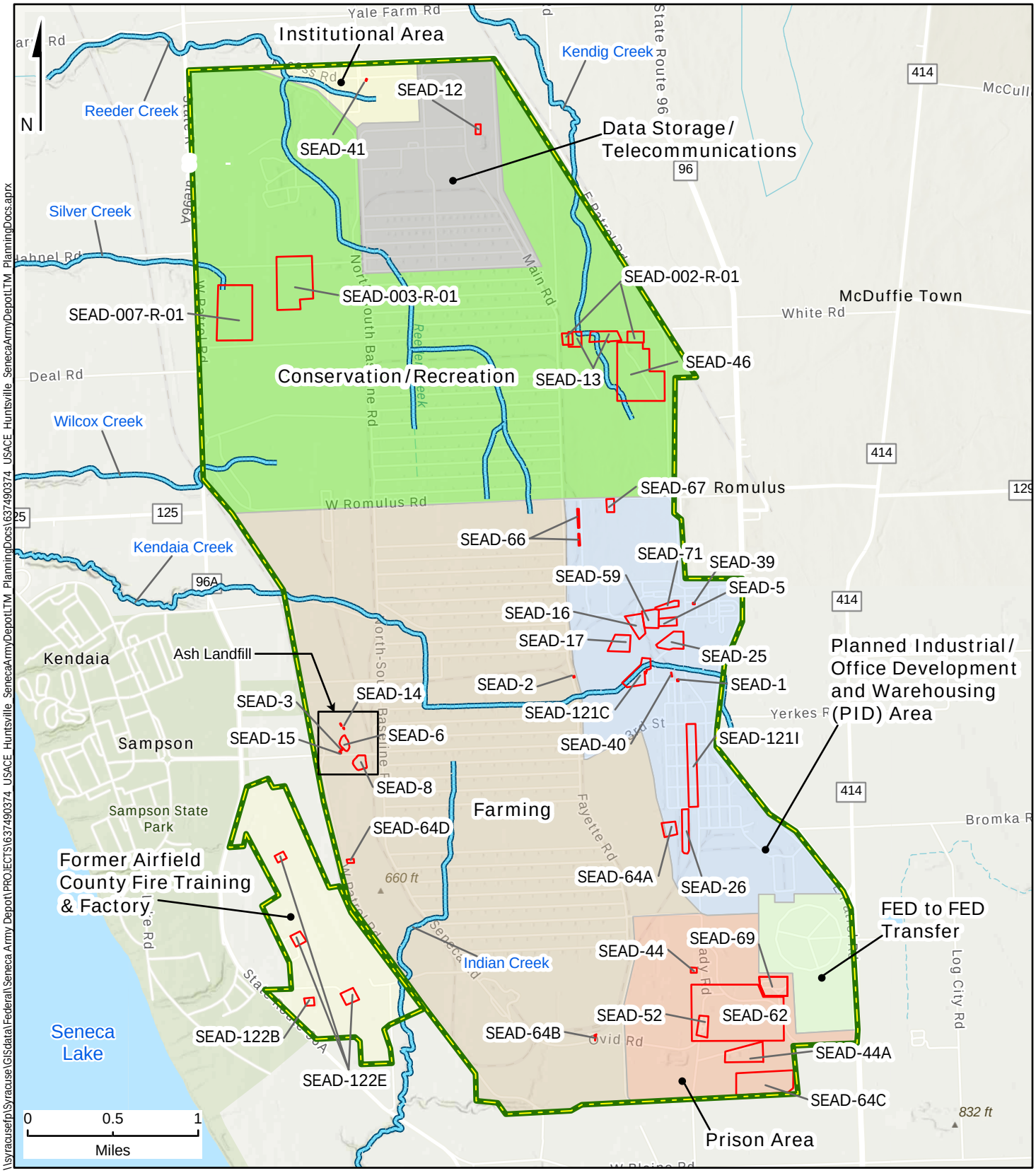

Legend

- Former Depot Boundary
- SEAD Sites
- Drainage

Figure A-2
AOC Locations
Seneca Army Depot (SEAD)
Romulus, Seneca County, New York

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Projection: NAD 1983 2011 StatePlane
New York Central FIPS 3102 Ft US

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Appendix B

Photographic Logs

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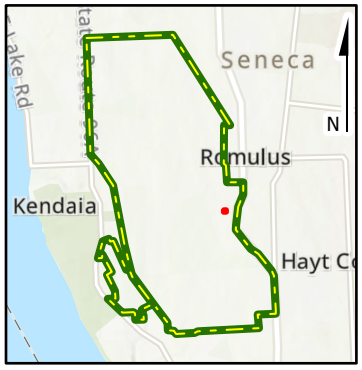

Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-1
SEAD-1
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
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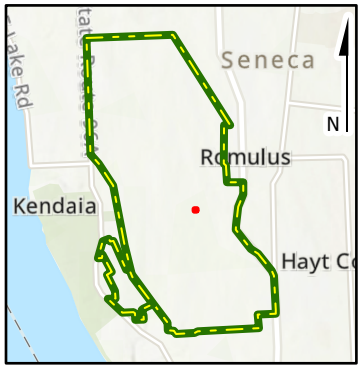
Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US



Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-2
SEAD-2
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
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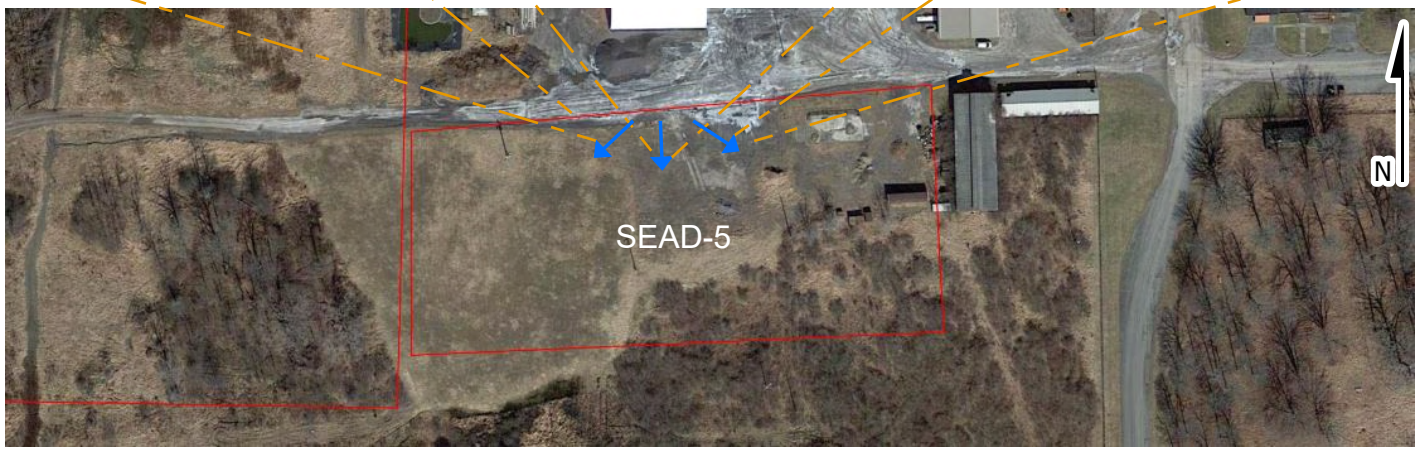

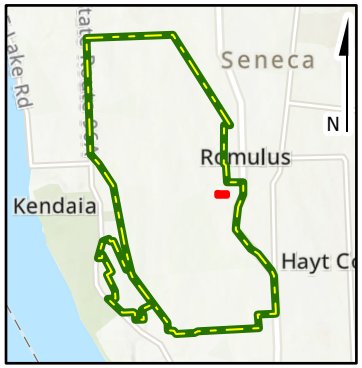

Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-3
SEAD-5
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
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Source: Google Earth 2020
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New York Central FIPS 3102 Ft US

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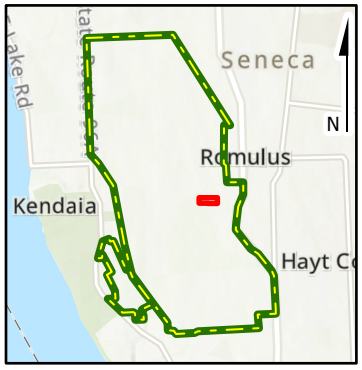
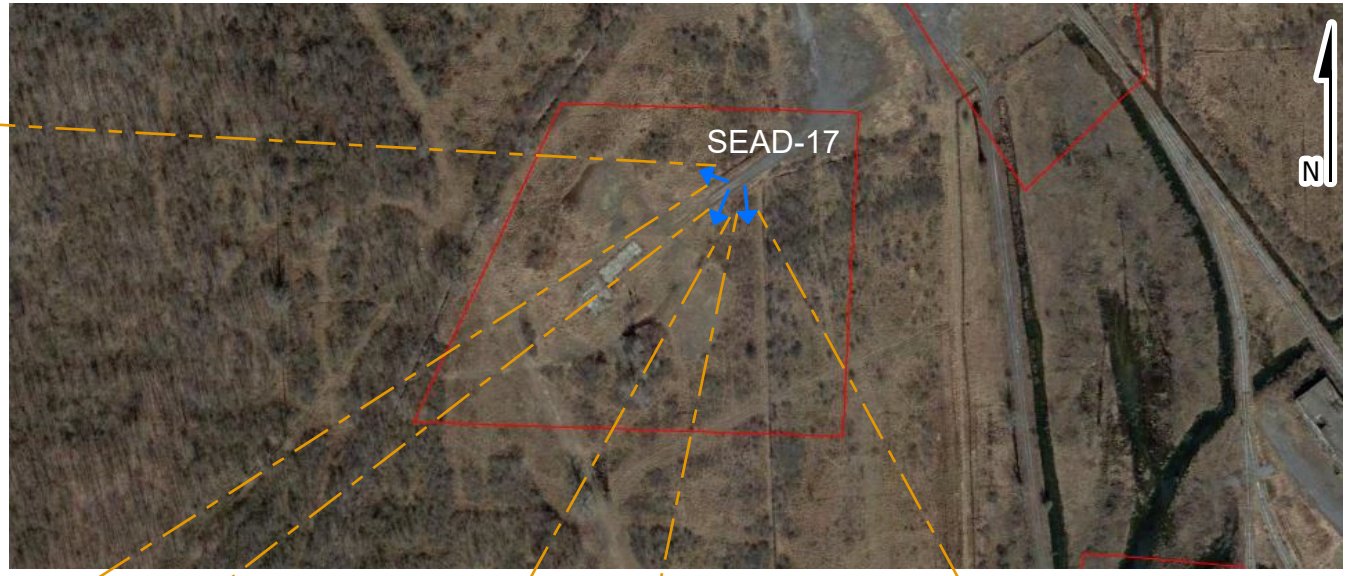


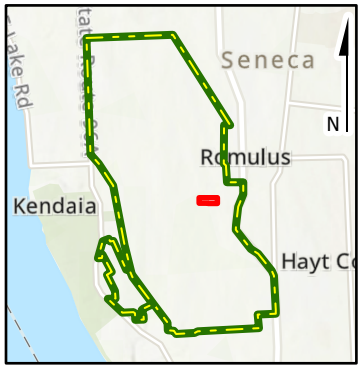
Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-4
SEAD-16
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/13/2023 11:44 AM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US



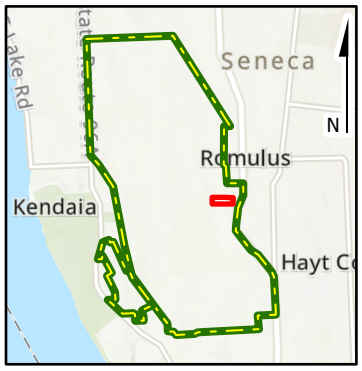


Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-5
SEAD-17
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/13/2023 11:44 AM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US



Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-6
SEAD-25
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/13/2023 12:14 PM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US

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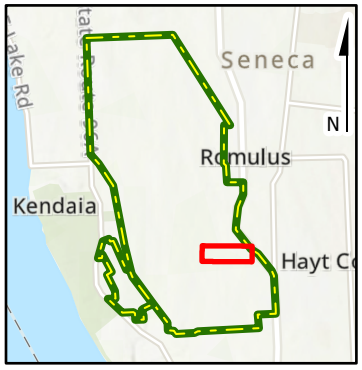

Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-7
SEAD-26
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/13/2023 12:16 PM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US

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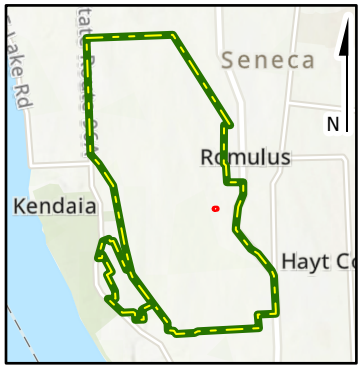
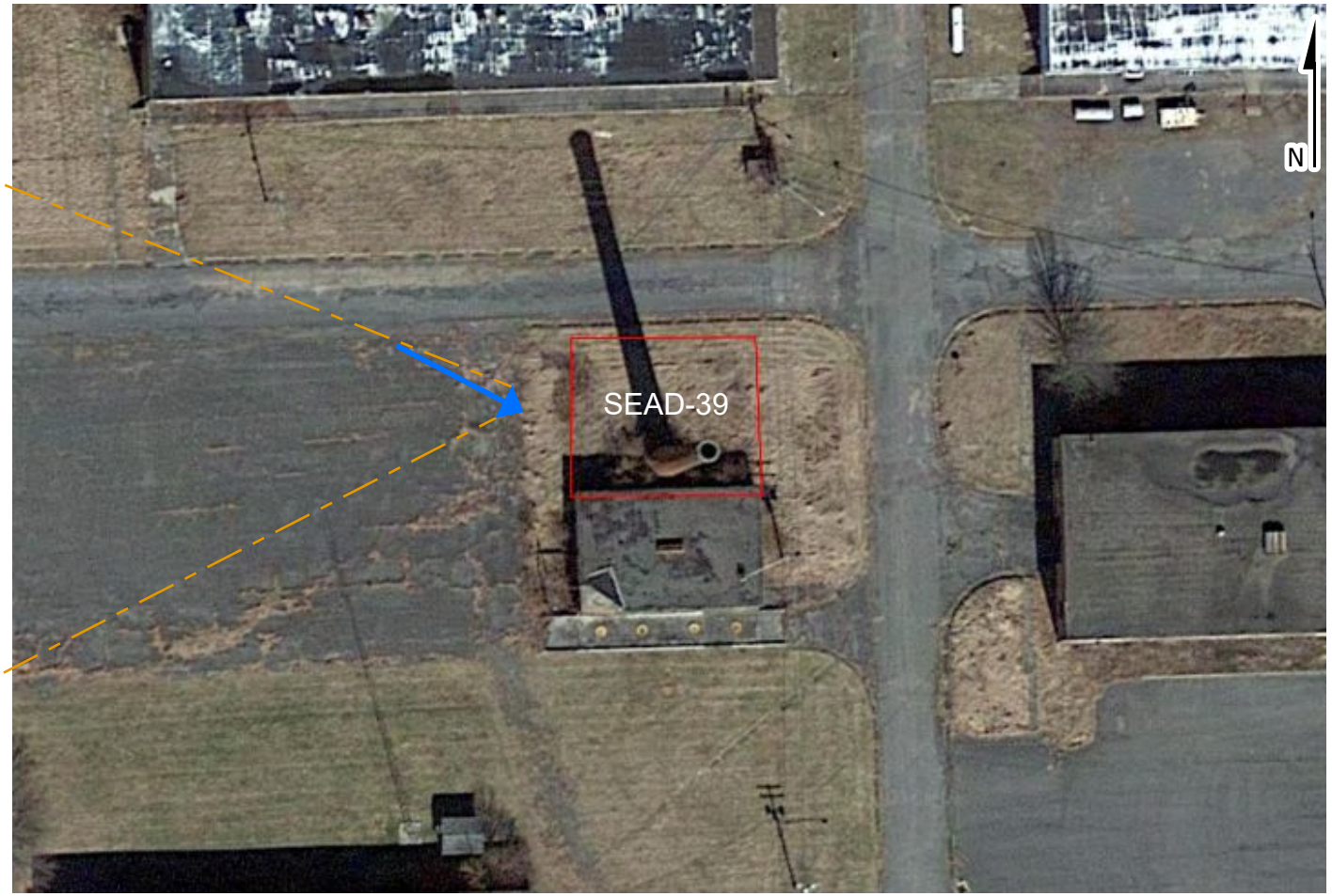


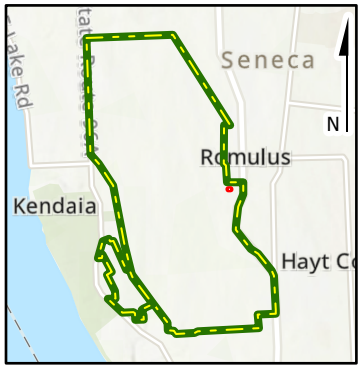
Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-8
SEAD-27
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/14/2023 3:24 PM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US





Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-9
SEAD-39
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/13/2023 12:59 PM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US

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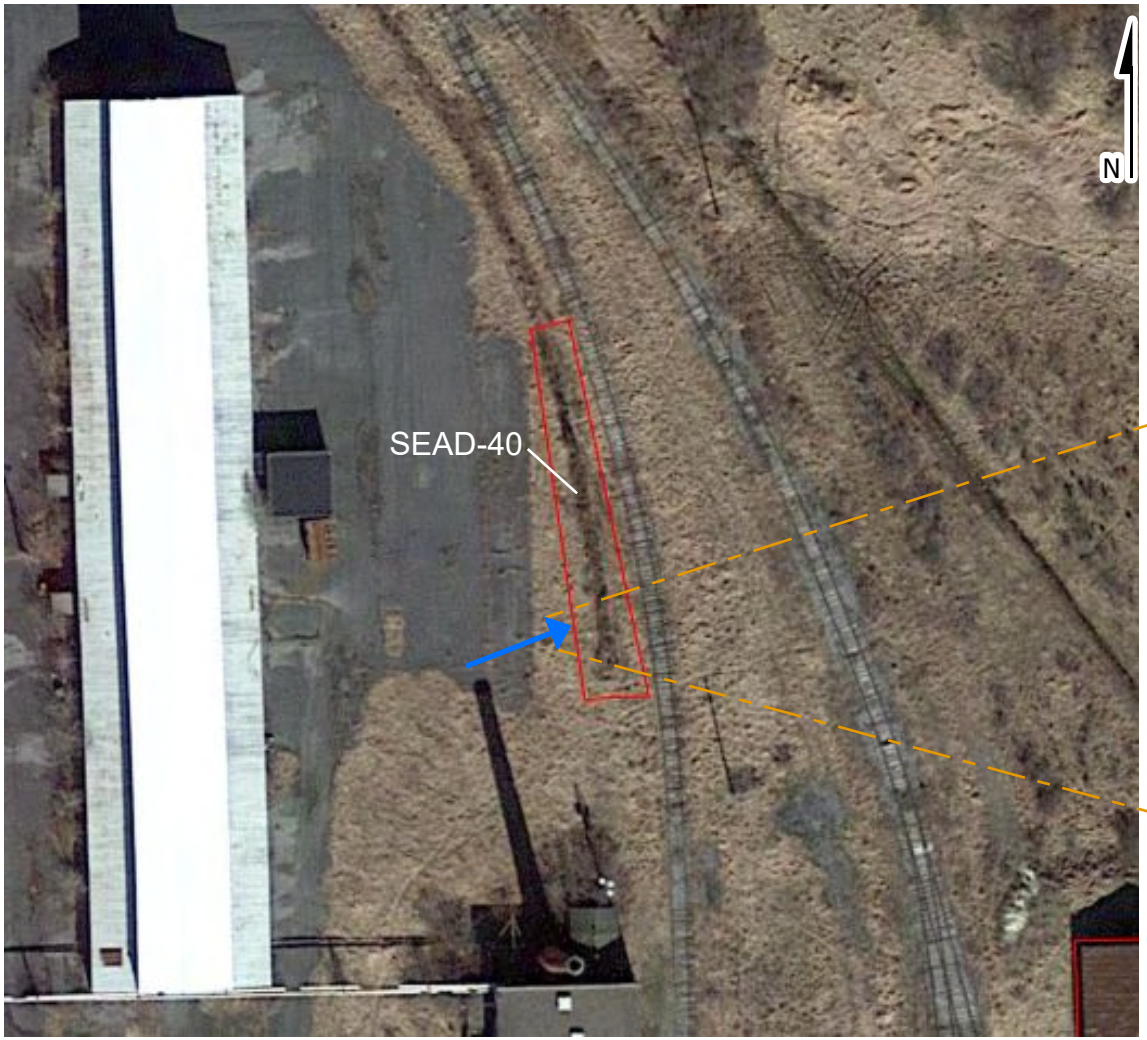

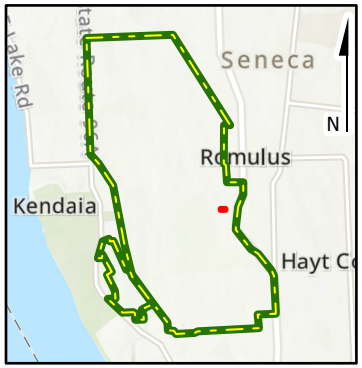

Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-10
SEAD-40
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/14/2023 3:24 PM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US

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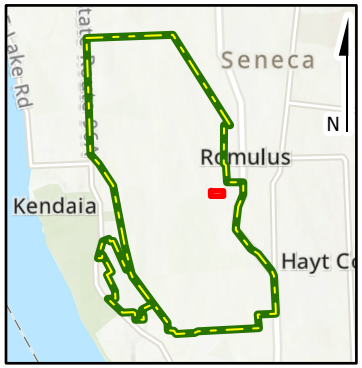

Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-11
SEAD-59
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/13/2023 2:46 PM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US

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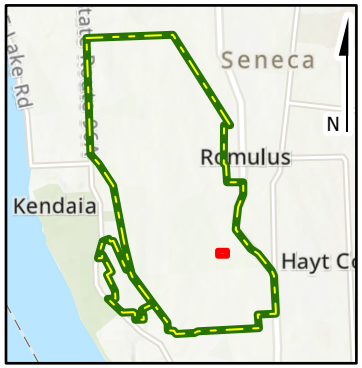

Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-12
SEAD-64A
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/13/2023 3:30 PM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US

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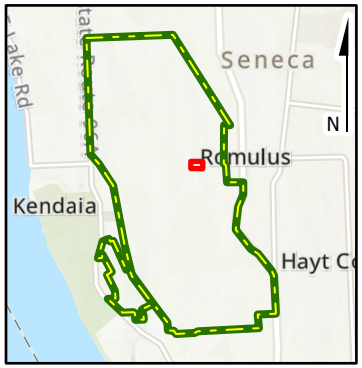

Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-13
SEAD-66
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/13/2023 3:30 PM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US

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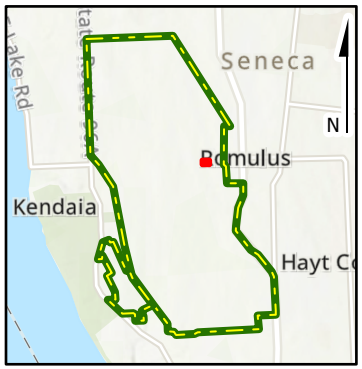

Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-14
SEAD-67
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/13/2023 3:30 PM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US

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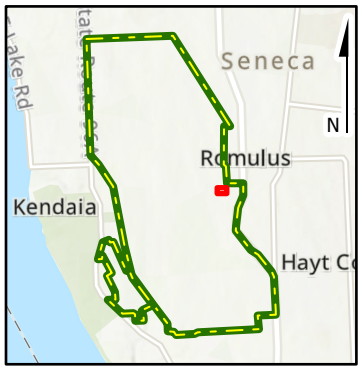

Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-15
SEAD-71
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/13/2023 3:30 PM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US

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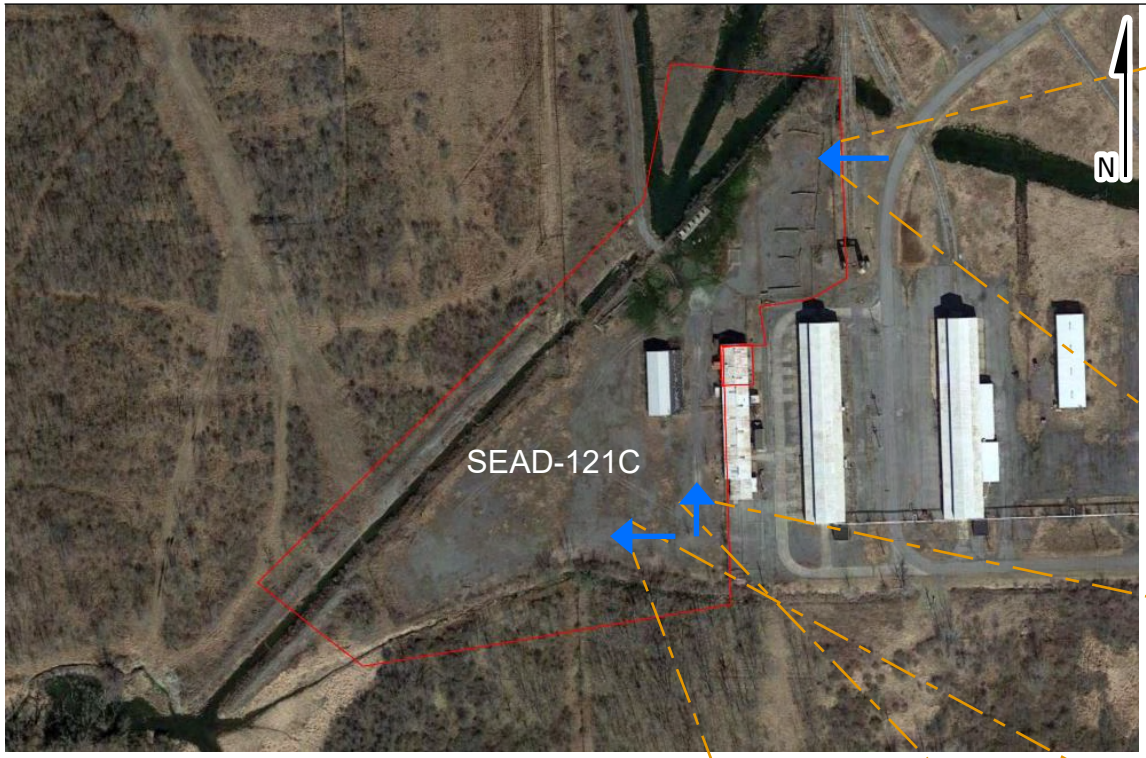
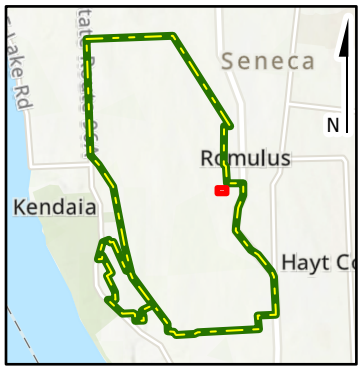


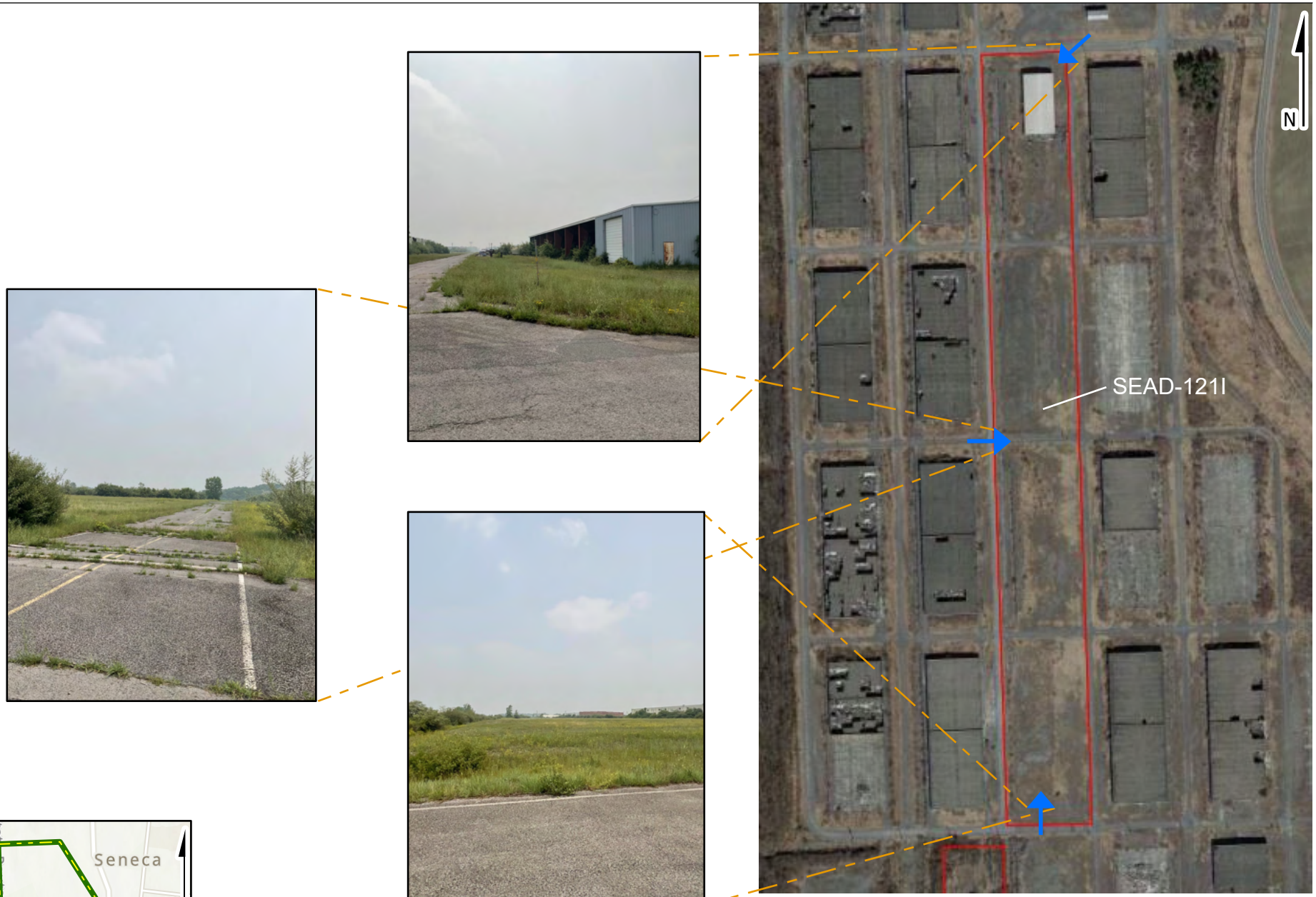


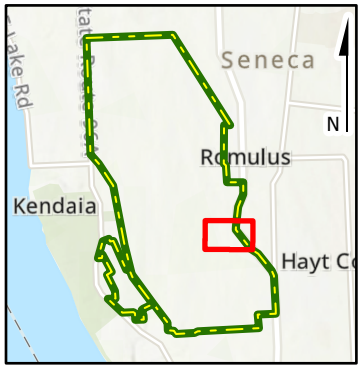
Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-16
SEAD-121C
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/13/2023 4:53 PM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US



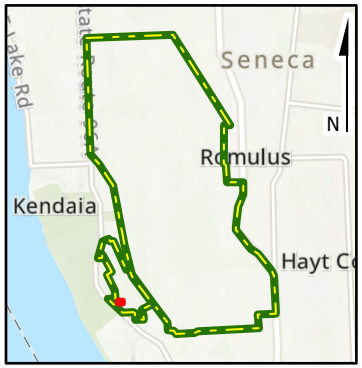


Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-17
SEAD-121I
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/14/2023 9:56 AM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US



Legend

Former Depot Boundary

Figure B-18
Prison Area Parcel
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/28/2023 1:05 PM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US

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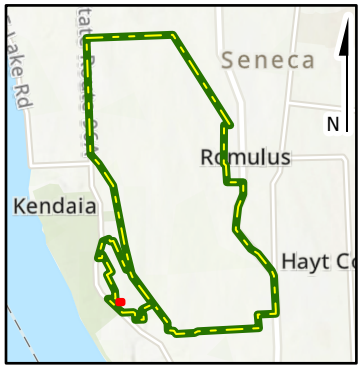
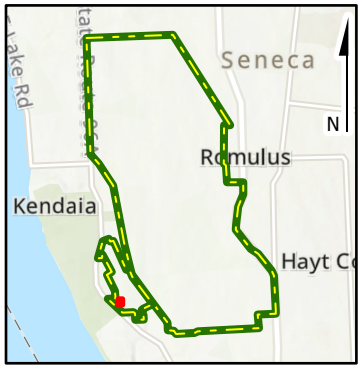


Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-19
SEAD-122B
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/14/2023 9:56 AM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US



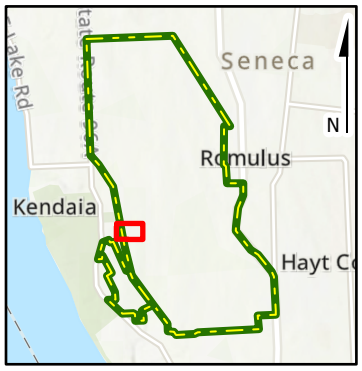
Legend

- Former Depot Boundary
- Photo Viewing Direction

Figure B-20
SEAD-122E
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/28/2023 12:17 PM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US

\\eafp\Departments\Federal\USACE - Huntsville CHEMRU\Projects\01_Seneca O&M and LUCs\05_GIS\PROJECTS\637490374_USACE_Huntsville_SenecaArmyDepot_LUCInspections\637490374_USACE_Huntsville_SenecaArmyDepot_LUCInspections.aprx

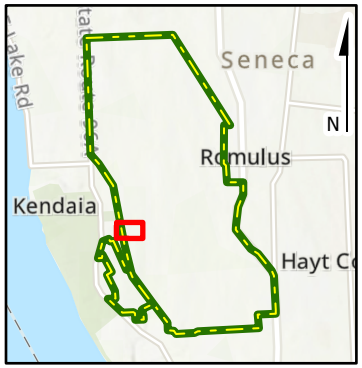


Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-21a
Ash Landfill Area
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/14/2023 9:56 AM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US

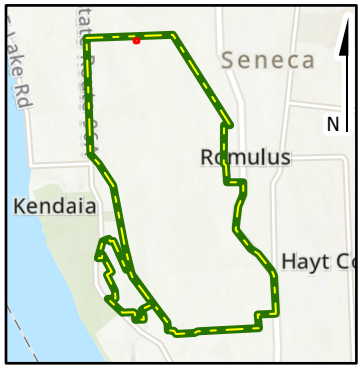


Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-21b
Ash Landfill Area cont.
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/14/2023 9:56 AM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US



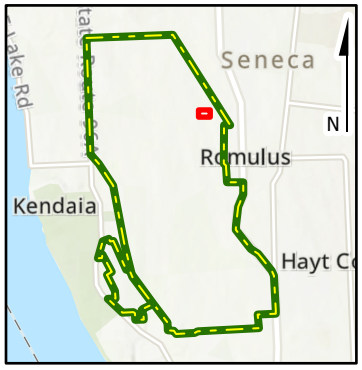
Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-22
SEAD-41
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/14/2023 3:24 PM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US

\\eafp\Departments\Federal\USACE - Huntsville CHEMRU\Projects\01_Seneca O&M and LUCs\05_GIS\PROJECTS\637490374_USACE_Huntsville_SenecaArmyDepot_LUCInspections\637490374_USACE_Huntsville_SenecaArmyDepot_LUCInspections.aprx



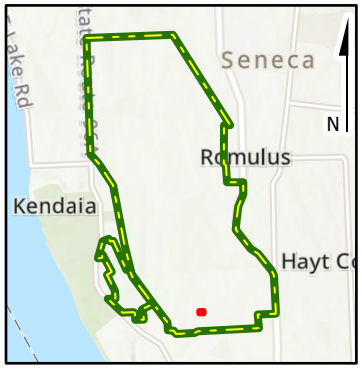
Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-23
SEAD-13
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/14/2023 1:01 PM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US

\\eafp\Departments\Federal\USACE - Huntsville CHEMRU\Projects\01_Seneca O&M and LUCs\05_GIS\PROJECTS\637490374_USACE_Huntsville_SenecaArmyDepot_LUCInspections\637490374_USACE_Huntsville_SenecaArmyDepot_LUCInspections.aprx



Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-24
SEAD-64B
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date:7/14/2023 1:01 PM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US

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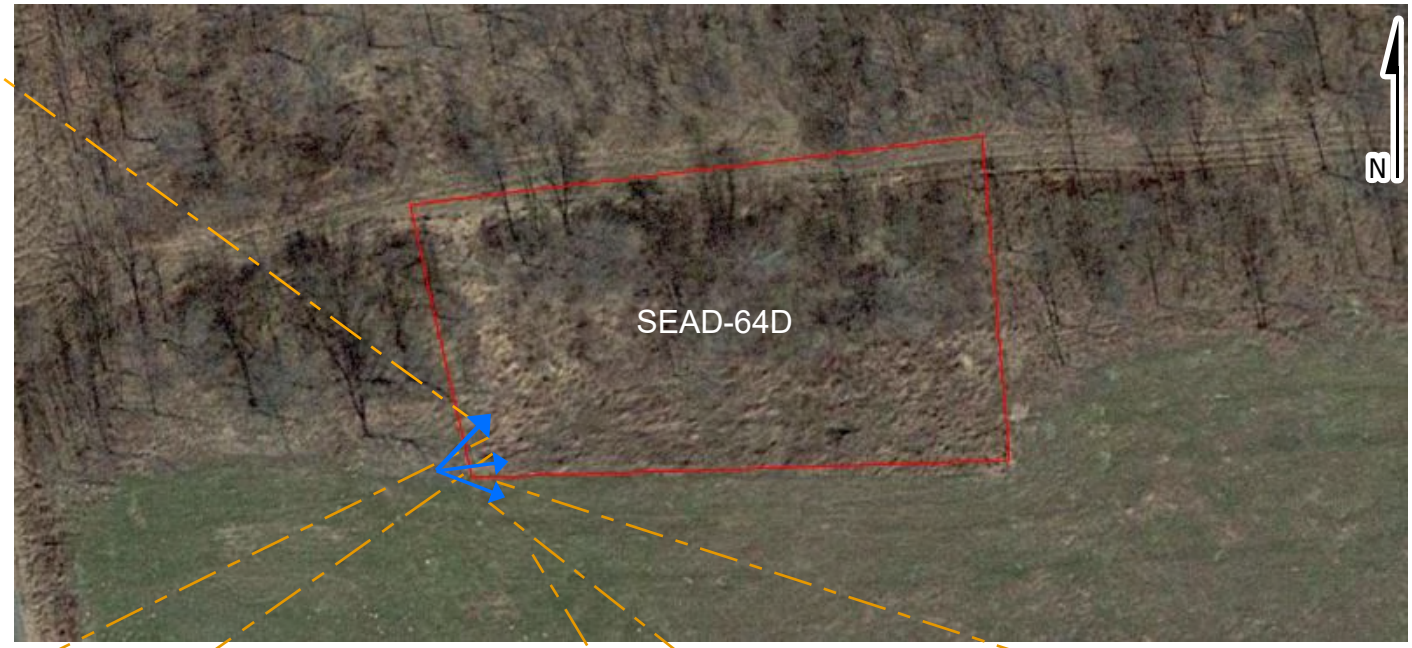
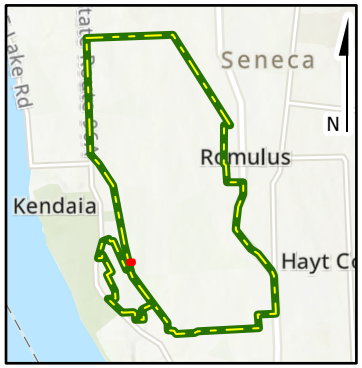


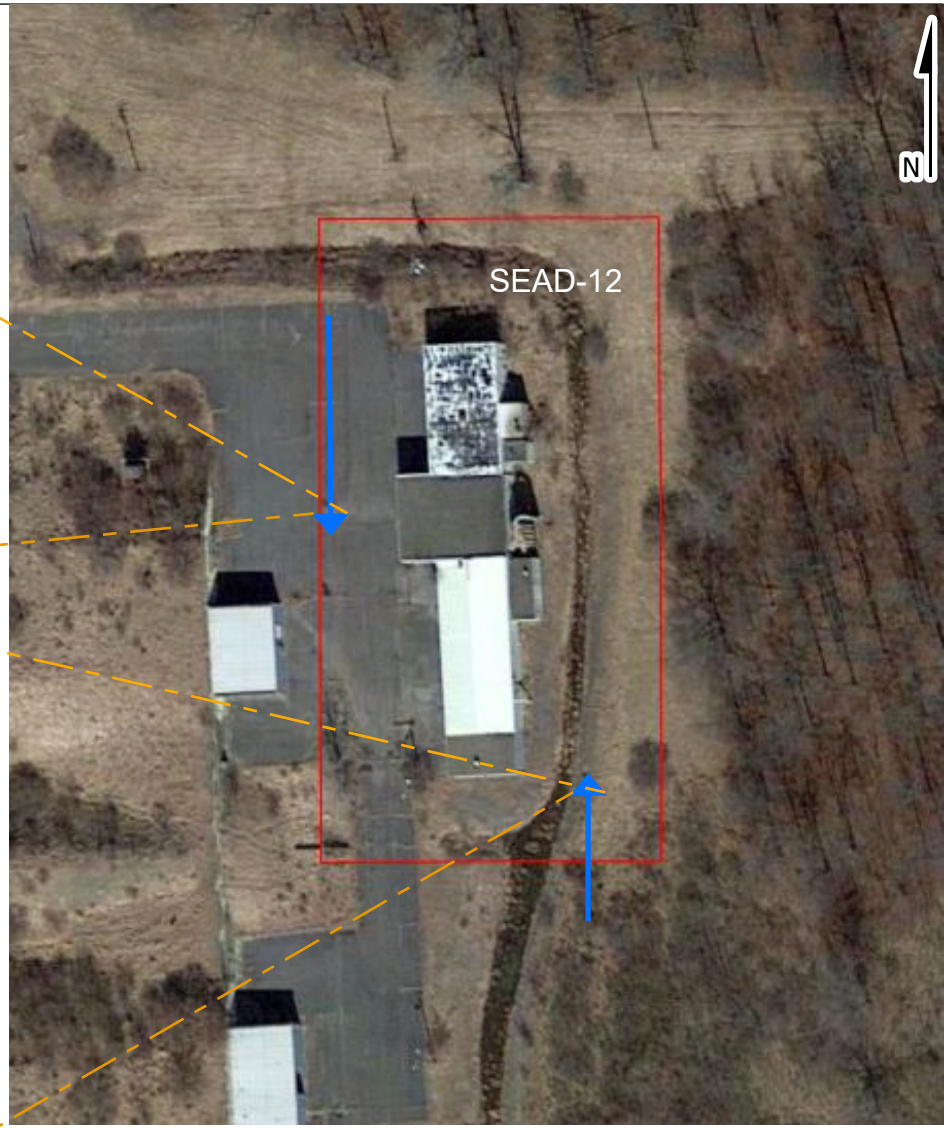


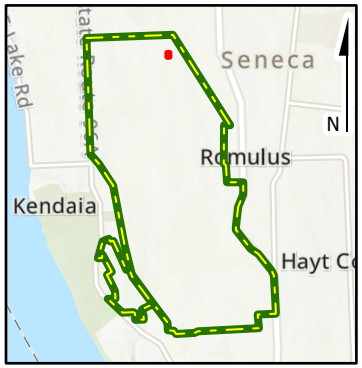
Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-25
SEAD-64D
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date: 7/13/2023 10:33 AM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US



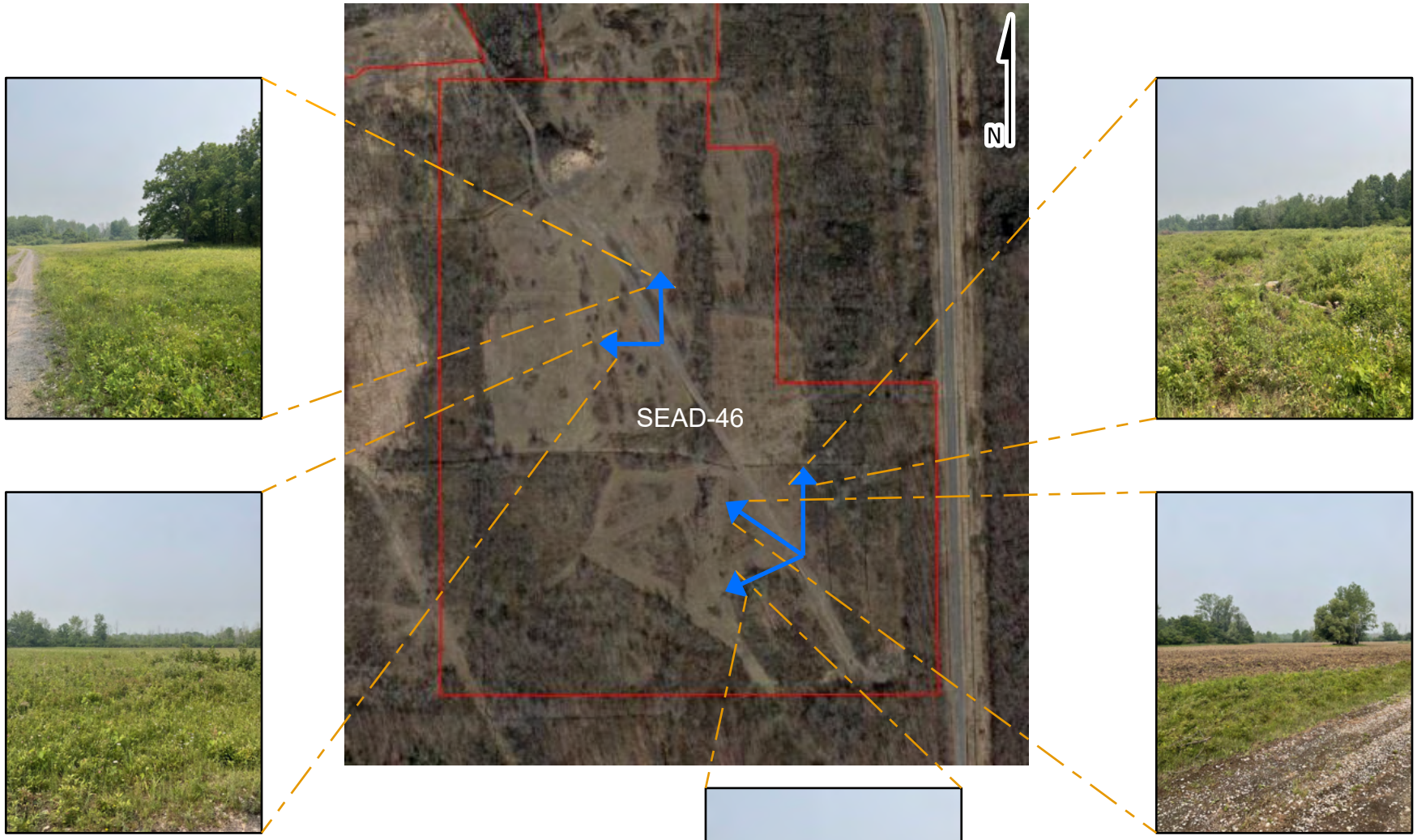


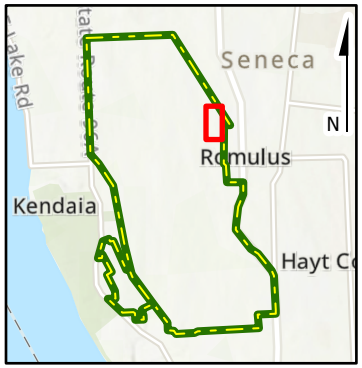
Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-26
SEAD-12
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date: 7/14/2023 1:01 PM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US



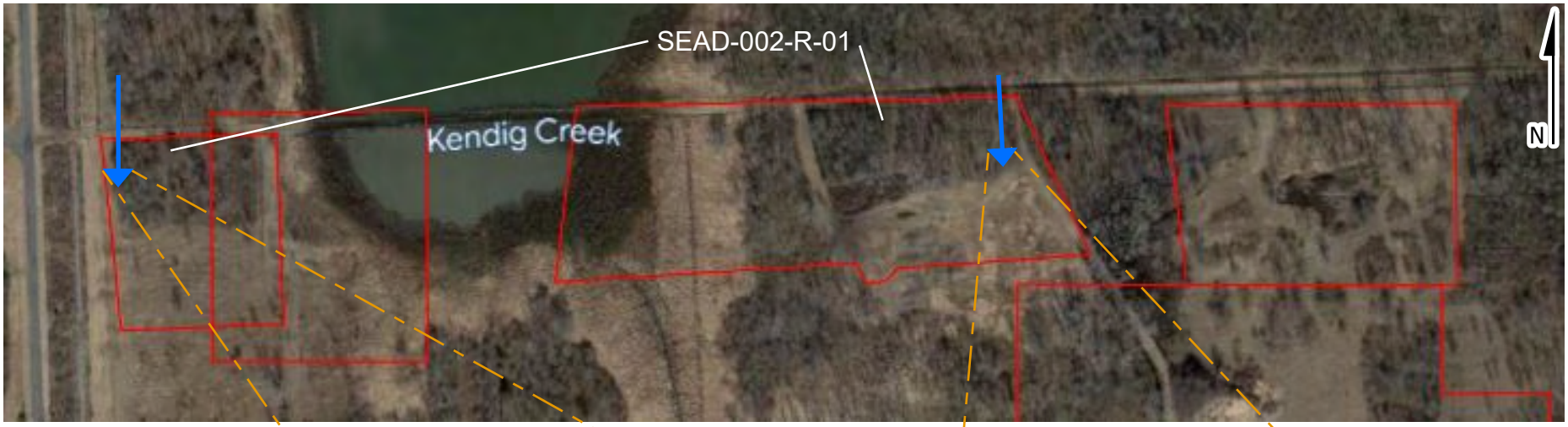


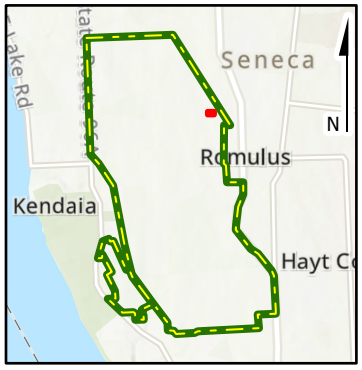
Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-27
SEAD-46
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date: 7/14/2023 3:24 PM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US





Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-28
SEAD-002-R-01
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date: 7/14/2023 3:24 PM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US

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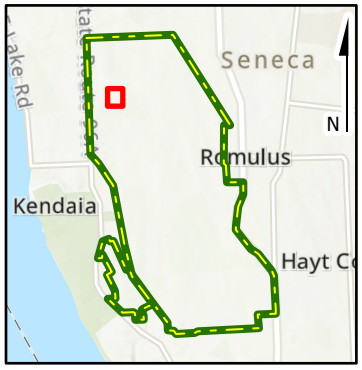

Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-29
SEAD-003-R-01
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date: 7/14/2023 3:24 PM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US

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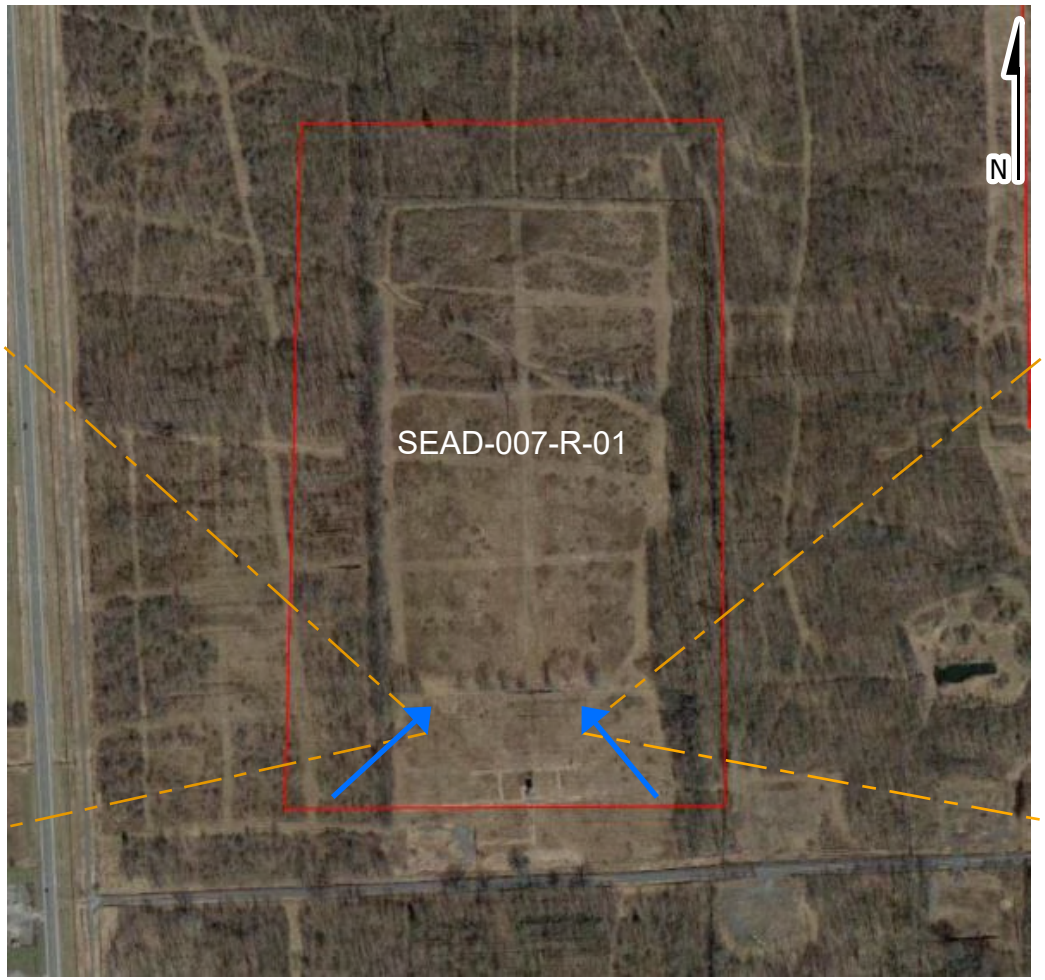

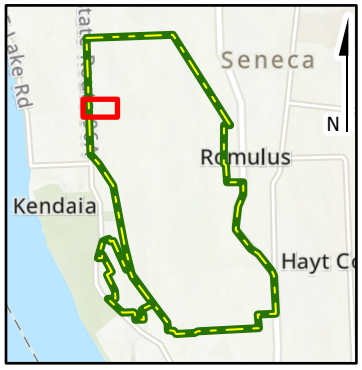

Legend

- Former Depot Boundary
- SEAD Site
- Photo Viewing Direction

Figure B-30
SEAD-007-R-01
2023 LUC Inspection - Photo Log
Former Seneca Army Depot
Romulus, New York
Map Date: 7/14/2023 3:24 PM

Source: Google Earth 2020
Projection: NAD 1983 (2011) StatePlane
New York Central FIPS 3102 Ft US

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Appendix C

Inspection Forms

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SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 1	**Date of Inspection:**	06/29/2023
Location and Region:	PID Area	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	74, hazy
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use

Attachments:

Comments

Observations:

Current Land Use
Vacant

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 002-R-01	**Date of Inspection:**	06/29/2023
Location and Region:	Munitions Response Sites	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	69, hazy
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use, MEC concerns

Attachments:

Comments

Observations:

Current Land Use
Vacant

Intrusive Activities Noted?
Yes

If yes, describe:
New monitoring well

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 2	**Date of Inspection:**	06/29/2023
Location and Region:	PID Area	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	65 clouds
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use

Attachments:

Comments

Observations:

Current Land Use
Vacant building

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 003-R-01	**Date of Inspection:**	06/29/2023
Location and Region:	Munitions Response Sites	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	65 clouds
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use, MEC concerns, corn fields

Attachments:

Comments

Observations:

Current Land Use
Vacant/agriculture

Intrusive Activities Noted?
Yes

If yes, describe:
Corn fields

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 3, 6, 8, 14, 15	**Date of Inspection:**	06/29/2023
Location and Region:	Ammo Area	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	64, hazy
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
Yes

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use. Vegetative soil cover in place. land cover is in acceptable condition.

Attachments:

Comments

Observations:

Current Land Use
Vacant

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 5	**Date of Inspection:**	06/26/2023
Location and Region:	PID Area	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	73 overcast
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
Yes

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use. Land cover is acceptable.

Attachments:

Comments

Observations:

Current Land Use
Vacant

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signage needed

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 007-R-01	**Date of Inspection:**	06/29/2023
Location and Region:	Munitions Response Sites	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	69, hazy
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use, MEC concerns

Attachments:

Comments

Observations:

Current Land Use
Vacant

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 12	**Date of Inspection:**	06/28/2023
Location and Region:	Building 813	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	65 Rain
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use

Attachments:

Comments

Observations:

Current Land Use
Vacant structure

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 13	**Date of Inspection:**	06/29/2023
Location and Region:	Duck Pond	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	69, hazy
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use

Attachments:

Comments

Observations:

Current Land Use
Vacant

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 16	**Date of Inspection:**	06/26/2023
Location and Region:	PID Area	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	73 overcast
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use.
MWs present

Attachments:

Comments

Observations:

Current Land Use
Vacant

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signage needed

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 17	**Date of Inspection:**	06/26/2023
Location and Region:	PID Area	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	73 Rain
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use

Attachments:

Comments

Observations:

Current Land Use
Vacant

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs needed

II. Interviews

Type	Date	Location	Contact Information	Problems/Suggestions
	06/26/2023		NA	

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 25	**Date of Inspection:**	06/27/2023
Location and Region:	PID Area	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	73 F cloudy
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use.
MWs present

Attachments:

Comments

Observations:

Current Land Use
Vacant

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 26	**Date of Inspection:**	06/29/2023
Location and Region:	PID Area	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	73, hazy
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use

Attachments:

Comments

Observations:

Current Land Use
Vacant

Intrusive Activities Noted?
Yes

If yes, describe:
New monitoring wells

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 27	**Date of Inspection:**	06/29/2023
Location and Region:	PID Area	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	68, hazy
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use

Attachments:

Comments

Observations:

Current Land Use
Storage

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 39	**Date of Inspection:**	06/29/2023
Location and Region:	PID Area	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	68, hazy
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use

Attachments:

Comments

Observations:

Current Land Use
Vacant

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 40	**Date of Inspection:**	06/29/2023
Location and Region:	PID Area	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	74, hazy
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use

Attachments:

Comments

Observations:

Current Land Use
Vacant

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 41	**Date of Inspection:**	06/29/2023
Location and Region:	North End Institutional Area (Hillside)	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	73, hazy
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use. Potable water from other sources per discussion with technician from Hillside.

Attachments:

Comments

Observations:

Current Land Use
Vacant

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 43, 44A, 44B, 46, 52, 56, 62, 64C, 69	**Date of Inspection:**	06/20/2023
Location and Region:	Prison Area	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	75 degrees F
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No new development. Correctional facility personnel indicated during phone interview building 606 located within SEAD-43/56/69 had recently been painted. They also indicated they potentially plan to build a storage shed near building 606. Photographs are not permitted inside the correctional facility property

Attachments:

Comments

Observations:

Current Land Use
State maximum security facility

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
Yes

II. Interviews

Type	Date	Location	Contact Information	Problems/Suggestions
O&M Staff	06/20/2023	By Phone	Benton Trufant Maintenance Supervisor 607-869-3820	None

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	46	**Date of Inspection:**	06/29/2023
Location and Region:	Munitions Response Sites	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	69, hazy
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No new development, sead 46

Attachments:

Comments

Observations:

Current Land Use
Vacant/farm field

Intrusive Activities Noted?
Yes

If yes, describe:
Agricultural field

Erosion Noted?
Yes

If yes, describe:
Agricultural field

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 59	**Date of Inspection:**	06/26/2023
Location and Region:	PID Area	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	73 overcast
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use

Attachments:

Comments

Observations:

Current Land Use
Vacant

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signage needed

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 64A	**Date of Inspection:**	06/29/2023
Location and Region:	PID Area	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	74, hazy
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use

Attachments:

Comments

Observations:

Current Land Use
Vacant

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 64B	**Date of Inspection:**	06/29/2023
Location and Region:	Southern End of SEAD	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	73, hazy
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use

Attachments:

Comments

Observations:

Current Land Use
Vacant

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 64D	**Date of Inspection:**	06/29/2023
Location and Region:	Ammo Area	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	64, hazy
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
Yes
Institutional Controls
Yes
Groundwater Pump and Treatment
No
Surface Water Collection and Treatment
No
Monitored Natural Attenuation
No
Groundwater Containment
No
Vertical Barrier Walls
No
Other
Yes
Other Comments
No apparent GW use, Vegetative cover present, agricultural disturbance adjacent.
Attachments:

Comments

Observations:

Current Land Use
Vacant
Intrusive Activities Noted?
No
If yes, describe:
N/A
Erosion Noted?
No
If yes, describe:
N/A
Adequate Signage?
No
If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 66	**Date of Inspection:**	06/29/2023
Location and Region:	PID Area	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	68, hazy
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use

Attachments:

Comments

Observations:

Current Land Use
Vacant

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 67	**Date of Inspection:**	06/29/2023
Location and Region:	PID Area	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	68, hazy
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use

Attachments:

Comments

Observations:

Current Land Use
Vacant

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 71	**Date of Inspection:**	06/26/2023
Location and Region:	PID Area	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	75 rain
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use

Attachments:

Comments

Observations:

Current Land Use
Vacant

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 121C	**Date of Inspection:**	06/29/2023
Location and Region:	PID Area	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	68, hazy
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use

Attachments:

Comments

Observations:

Current Land Use
Vacant

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 121I	**Date of Inspection:**	06/29/2023
Location and Region:	PID Area	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	74, hazy
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use

Attachments:

Comments

Observations:

Current Land Use
Vacant

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 122B	**Date of Inspection:**	06/26/2023
Location and Region:	Airfield	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	72 overcast
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use, new storage shed (prefab - no earthwork)

Attachments:

Comments

Observations:

Current Land Use
Small arms range

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

SEAD LUC Inspections

Site Inspection Checklist

I. Site Information

Site Name:	SEAD 122E	**Date of Inspection:**	06/26/2023
Location and Region:	Airfield	**EPA ID:**	NY0213820830
Institution Leading the Five-Year Review:	EA	**Weather:**	77 overcast
Inspector:	Michael Wright	**Signature:**	

Remedy Includes:

Landfill Cover/Containment
No

Access Controls
No

Institutional Controls
Yes

Groundwater Pump and Treatment
No

Surface Water Collection and Treatment
No

Monitored Natural Attenuation
No

Groundwater Containment
No

Vertical Barrier Walls
No

Other
Yes

Other Comments
No apparent GW use, development or residential/child use, law enforcement defensive driving course

Attachments:

Comments

Observations:

Current Land Use
Law enforcement defensive driving course

Intrusive Activities Noted?
No

Erosion Noted?
No

Adequate Signage?
No

If no, describe
No signs

II. Interviews

Appendix D

Land Use Control Remedial Design

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Addendum 6

Addressing

SEAD-46, SEAD 003-R-01 (SEAD-57), SEAD 002-R-01, and SEAD 007-R-01

(Seneca AD Munitions Response Sites)

of the

Land Use Control Remedial Design

For

Seneca Army Depot Activity

Romulus, New York

Seneca Army Depot Activity

Addendum date: 23 October 2019

Draft

Addendum 6

Addressing

SEAD-46, SEAD 003-R-01 (SEAD-57),

SEAD 002-R-01, and SEAD 007-R-01

(Seneca AD Munitions Response Sites)

Land Use Control Remedial Design

Seneca Army Depot Activity

Romulus, New York

1. Purpose: The Purpose of Addendum 6 to the "Land Use Control Remedial Design" ("LUC RD") is to revise the title to "**Addendum 6 Addressing SEAD-46, SEAD 003-R-01 [SEAD-57]), SEAD 002-R-01, and SEAD 007-R-01 (Seneca AD Munitions Response Sites)**," deleting "SEAD 12" from the title to accurately reflect that the initial document and Addendums 1-5 apply to all areas at Seneca Army Depot. Additionally, Addendum 6 supplements the LUC RD in order to address the land use controls required for the following areas of concern (AOCs) at Seneca Army Depot:

Seneca Army Depot (AD) Munitions Response Sites (MRSs):

- Small Arms Firing Range (Former 3.5-inch Rocket Range) (SEAD-46);
- Explosive Ordnance Disposal (EOD) Range 1 (SEAD 003-R-01 [SEAD-57]);
- East EOD Ranges (Former EOD Area 2 and EOD Area 3) (SEAD 002-R-01); and
- Rifle Grenade Range (SEAD 007-R-01).

Pursuant to the Record of Decision ("ROD") for the above AOCs, land use controls were selected as the remedy for the Seneca AD MRSs.

The LUC RD Figure 1 has been amended to include these AOCs. The AOCs that are subject to LUC RD, as amended, are identified in Table 1.

- The initial LUC RD dated December 2006 was issued by the Army to address areas of concern SEAD 27, 66 and 64A, the SEAD Planned Industrial/Office Development and Warehousing Area.

- Addendum # 1 to the LUC RD dated May 2007 was issued by the Army to supplement the LUC RD and to address areas of concern SEAD 25 (Fire Demonstration Pad) and SEAD 26 (Fire Training Area) as shown on Table 1 attached hereto.
- Addendum #2 to the LUC RD dated September 2007 was issued by the Army to further supplement the LUC RD and to address areas of concern SEAD 13, 39, 40, 41, 43/56/69, 44A, 44B, 52, 62, 64B, 64C, 64D, 67, 122B, and122E identified and shown on Table 1 attached hereto.
- Addendum #3 to the LUC RD dated January 27, 2009 was issued by the Army to further supplement the LUC RD and to address areas of concern SEAD 3, 6, 8, 14 and 15 identified and shown on Table 1 attached hereto.
- Addendum #4 to the LUC RD dated January 27, 2009 was issued by the Army to further supplement the LUC RD and to address areas of concern SEAD 1, 2, 5, 16, 17, 59, 71, 121C, and 121I identified and shown on Table 1 attached hereto.
- Addendum #5 to the LUC RD dated October 26, 2015 was issued by the Army to further supplement the LUC RD and to address the AOC SEAD 12, Radioactive Waste Burial Sites, identified and shown on Table 1 attached hereto.

The AOCs that are the subject of this LUC RD, as amended, are identified in Table 1.

2. LUC Objectives and Land Use Restrictions:

The ROD titled "Seneca Army Depot Activity, SEAD-46, SEAD 003-R-01 (SEAD-57), SEAD 002-R-01 and SEAD 007-R-01 (Seneca AD Munitions Response Sites) and SEAD-70" signed on April 27, 2017 requires the establishment of institutional controls ("ICs") for the Seneca AD MRSs.

The ROD's LUC Objective for the Seneca AD MRSs is: The remedy for the Seneca AD Munitions Response Sites is to impose, maintain, and monitor a LUC that prohibits the development or use of property for residential housing, elementary and secondary schools, childcare facilities or playgrounds at the real property within the Seneca AD MRSs.

The specific components of the selected remedy for the Seneca AD MRSs are:

- Prohibits the development or use of property for residential housing, elementary and secondary schools, childcare facilities or playgrounds through the use of LUCs.
- Requires the Army (or Army contractor) to conduct an annual 3R Explosives Safety Education Program for property owners of the Seneca AD Munitions Response Sites.

The ROD requires the establishment of institutional controls ("ICs") for the Seneca AD MRSs. These sites are located within an area of the Seneca Army Depot where the Local Redevelopment Authority designated the proposed future reuse as conservation. Upon request by a future property owner, the Army, USEPA Region II, and NYSDEC will evaluate any requested variances to the Land Use Control Objectives for these sites.

3. IMPLEMENTATION ACTIONS.

The LUC RD Implementation Actions shall be implemented on the Seneca AD MRSs and require the establishment of ICs to prevent violations of the above LUC Objectives and Land Use Restrictions.

The Army's Caretaker will monitor compliance of the LUCs prior to transfer and before recordation of the Environmental Easement.

4. ENFORCEMENT

The LUC RD Enforcement provisions shall apply to the Seneca AD MRSs and require the establishment of ICs.

5. MODIFICATION

The LUC RD Modification provisions shall apply to the Seneca AD MRSs and require the establishment of ICs.

6. SUPPLEMENTATION

Paragraph 6 of the original LUC RD dated December 2006 permits the supplementation of the LUC RD to include all areas of concern at Seneca Army Depot Activity. As so amended, the LUC RD is hereby amended and supplemented to add these AOCs (i.e., SEAD-46, SEAD 003-R-01 [SEAD-57], SEAD 002-R-01 and SEAD 007-R-01 or the Seneca AD Munitions Response Sites) to the LUC RD pursuant to this LUC RD Addendum #6.

7. TERMINATION

The SEAD Termination provisions shall apply to the Seneca AD MRSs.

Table 1

Land Use Control Remedial Design

Site Description / Title

SITE	DESCRIPTION	DOCUMENT
SEAD 27	STEAM JENNY PIT	REMEDIAL DESIGN[1]
SEAD 64A	GARBAGE DISPOSAL AREA	REMEDIAL DESIGN
SEAD 66	PESTICIDE STORAGE AREA	REMEDIAL DESIGN
SEAD 25	FIRE DEMONSTRATION PAD	ADDENDUM 1[2]
SEAD 26	FIRE TRAINING AREA	ADDENDUM 1
SEAD 39	BUILDING 121 BOILER BLOW DOWN PIT	ADDENDUM 2[3]
SEAD 40	BUILDING 319 BOILER BLOW DOWN PIT	ADDENDUM 2
SEAD 41	BUILDING 718 BOILER BLOW DOWN PIT	ADDENDUM 2
SEAD 67	DUMPSITE EAST OF STP 4	ADDENDUM 2
SEAD 13	INHIBITED RED FUMING NITRIC ACID (IRFNA)	ADDENDUM 2
SEAD 64B	GARBAGE DISPOSAL AREA	ADDENDUM 2
SEAD 64C	RUMORED GARBAGE DISPOSAL AREA	ADDENDUM 2
SEAD 64D	GARBAGE DISPOSAL AREA	ADDENDUM 2
SEAD 122B	AIRFIELD SMALL ARMS RANGE	ADDENDUM 2
SEAD 122E	DEICING LOCATIONS	ADDENDUM 2
SEAD 44A	QUALITY ASSURANCE TEST LAB WEST	ADDENDUM 2
SEAD 44B	QUALITY ASSURANCE TEST LAB	ADDENDUM 2
SEAD 43	OLD MISSILE PROPELLANT TEST LAB	ADDENDUM 2
SEAD 56	HERBICIDE AND PESTICIDE STORAGE	ADDENDUM 2
SEAD 69	BUILDING 606 DISPOSAL AREA	ADDENDUM 2
SEAD 62	NICOTINE SULFATE DISPOSAL AREA	ADDENDUM 2
SEAD 52	AMMUNTION BREAKDOWN AREA	ADDENDUM 2

SITE	DESCRIPTION	DOCUMENT
SEAD 3, 6, 8, 14, and 15	ASH LANDFILL OPERABLE UNIT	ADDENDUM 3[4]
SEAD 16	ABANDONDED DEACTIVATION FURNACE	ADDENDUM 4[5]
SEAD 17	ACTIVE DEACTIVATION FURNACE	ADDENDUM 4
SEAD 121C	REUTILIZATION AND MARKETING YARD	ADDENDUM 4[6]
SEAD 121I	RUMORED COSMOLINE OIL DISPOSAL AREA	ADDENDUM 4
SEAD 59	FILL AREA WEST OF BLDG 135	ADDENDUM 4[7]
SEAD 71	ALLEGED PAINT DISPOSAL AREA	ADDENDUM 4
SEAD 1	HAZARDOUS WASTE CONTAINER STORAGE FACILITY	ADDENDUM 4[8]
SEAD 2	PCB TRANSFORMER STORAGE FACILITY	ADDENDUM 4
SEAD 5	SEWAGE SLUDGE WASTE PILES	ADDENDUM 4
SEAD 12	RADIOACTIVE WASTE BURIAL SITES	ADDENDUM 5[9]
SEAD 46	SMALL ARMS FIRING RANGE	ADDENDUM 6
SEAD 003-R-01 (SEAD-57)	EXPLOSIVE ORDNANCE DISPOSAL (EOD) RANGE 1	ADDENDUM 6
SEAD 002-R-01	EAST EOD RANGES (FORMER EOD AREA 2 AND EOD AREA 3)	ADDENDUM 6[10]
SEAD 007-R-01	RIFLE GRENADE RANGE	ADDENDUM 6

1) Remedial Design: see Sites Requiring Institutional Controls in the Planned Industrial/Office Development and Warehousing Areas ("PID/Warehouse Area") ROD, 9/28/04, Section 2 "Site Name Location, and Description".

2) Addendum 1: see The Fire Training and Demonstration Pad (SEAD 25) and the Fire Training Pit and Area (SEAD 26) ROD, 9/29/04, Section 2 "Site Name, Location, and Description".

3) Addendum 2: see Seventeen SWMU Requiring Land Use Controls (SEADs 13, 39, 40, 41, 43/56/69, 44A, 44B, 52, 62, 64B, 64C, 64D, 67, 122B, and122E) ROD, 07/03/07, Section 2 "Site Name, Location, and Description".

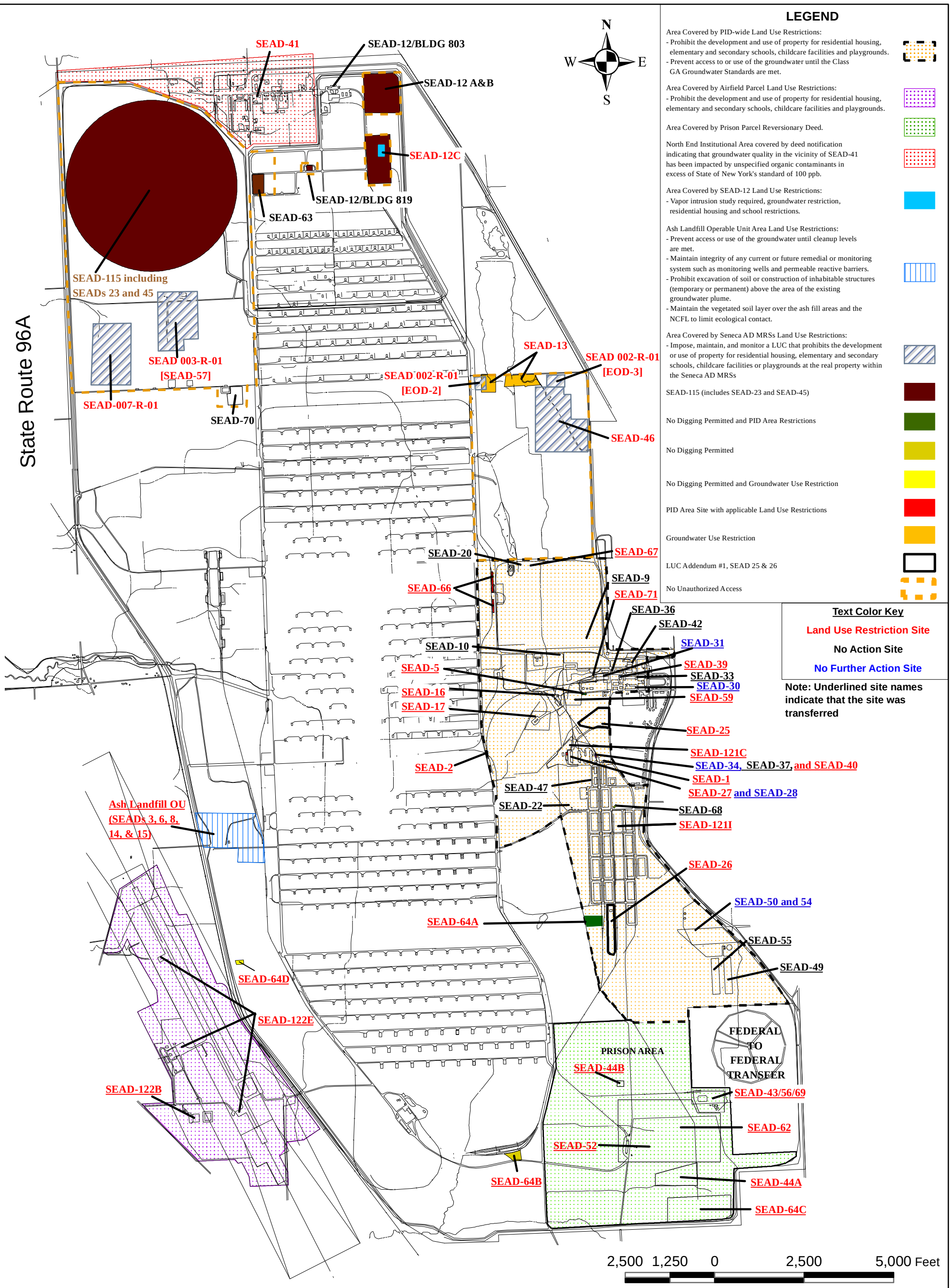
4) Addendum 3: see Ash Landfill Operable Unit, ROD dated January 21, 2005, Section 2 "Site Name, Location, and Description".

5) Addendum 4: see the Abandoned Deactivation Furnace SEAD 16 and the Active Deactivation Furnace SEAD 17 ROD dated March 2006, Section 2 "Site Name, Location, and Description".

6) Addendum 4: see the Defense Reutilization and Marketing Office Yard (SEAD 121C) and the Rumored Cosmoline Oil Disposal Area (SEAD 121I) dated June 2008, Section 2 "Site Name, Location, and Description".

7) Addendum 4: see the Defense Fill area West of Building 135 (SEAD 59) and the Alleged Paint

SITE	DESCRIPTION	DOCUMENT
Disposal Area (SEAD 71) dated Jan 2009, Section 2 “Site Name, Location, and Description”. 8) Addendum 4: see the Five Former Solid Waste Management Units (SWMUs), SEAD 1 (Hazardous Waste Container Storage Facility), SEAD 2 (PCB Transformer Storage Facility), SEAD 5 (Sewage Sludge Waste Piles), SEAD 24 (Abandoned Powder Burn Pit) and SEAD 48 (Row E0800 Pitchblende Storage Igloos) dated May 6, 2009, Section 2 “Site Name, Location, and Description”. 9) Addendum 5: see the Radioactive Waste Burial Sites (SEAD 12) and the Mixed Waste Storage Facility (SEAD 72) ROD Dated March 30, 2015 Section 2 “AOC Name, Location, and Description”. 10) Addendum 6: see the Record of Decision, Seneca Army Depot Activity, SEAD-46, SEAD 003-R-01 (SEAD-57), SEAD 002-R-01 SEAD 007-R-01 (Seneca AD Munitions Response Sites) and SEAD-70 dated April 2017.		



LEGEND

Area Covered by PID-wide Land Use Restrictions:
- Prohibit the development and use of property for residential housing, elementary and secondary schools, childcare facilities and playgrounds.
- Prevent access to or use of the groundwater until the Class GA Groundwater Standards are met.

Area Covered by Airfield Parcel Land Use Restrictions:
- Prohibit the development and use of property for residential housing, elementary and secondary schools, childcare facilities and playgrounds.

Area Covered by Prison Parcel Reversionary Deed.

North End Institutional Area covered by deed notification indicating that groundwater quality in the vicinity of SEAD-41 has been impacted by unspecified organic contaminants in excess of State of New York's standard of 100 ppb.

Area Covered by SEAD-12 Land Use Restrictions:
- Vapor intrusion study required, groundwater restriction, residential housing and school restrictions.

Ash Landfill Operable Unit Area Land Use Restrictions:
- Prevent access or use of the groundwater until cleanup levels are met.
- Maintain integrity of any current or future remedial or monitoring system such as monitoring wells and permeable reactive barriers.
- Prohibit excavation of soil or construction of inhabitable structures (temporary or permanent) above the area of the existing groundwater plume.
- Maintain the vegetated soil layer over the ash fill areas and the NCFL to limit ecological contact.

Area Covered by Seneca AD MRSs Land Use Restrictions:
- Impose, maintain, and monitor a LUC that prohibits the development or use of property for residential housing, elementary and secondary schools, childcare facilities or playgrounds at the real property within the Seneca AD MRSs

SEAD-115 (includes SEAD-23 and SEAD-45)

No Digging Permitted and PID Area Restrictions

No Digging Permitted

No Digging Permitted and Groundwater Use Restriction

PID Area Site with applicable Land Use Restrictions

Groundwater Use Restriction

LUC Addendum #1, SEAD 25 & 26

No Unauthorized Access

Text Color Key

Land Use Restriction Site

No Action Site

No Further Action Site

Note: Underlined site names indicate that the site was transferred

Land Use Control, Remedial Design, Version

PID Area LUC Sites, SEADs 27, 64A, and 66
LUC Addendum #1, SEADs 25 and 26
LUC Addendum #2, SEADs 13, 39, 40, 41, 43/56/69, 44A, 44B, 52, 62, 64B, 64C, 64D, 67, 122B, and 122E
LUC Addendum #3, Ash Landfill Operable Unit SEADs 3, 6, 8, 14 and 15
LUC Addendum #4, SEADs 1, 2, 5, 16, 17, 59, 71, 121C, and 121I
LUC Addendum #5, SEAD 12
LUC Addendum #6, SEAD 46, SEAD 003-R-01, SEAD 002-R-01, SEAD 007-R-01 and SEAD 70 (NFA)
Note: Implementation of LUC Addendums #5 and #6 are in progress.

PARSONS

SENECA army DEPOT ACTIVITY
Remedial Design
IC Implementation Plan - Addendum 6

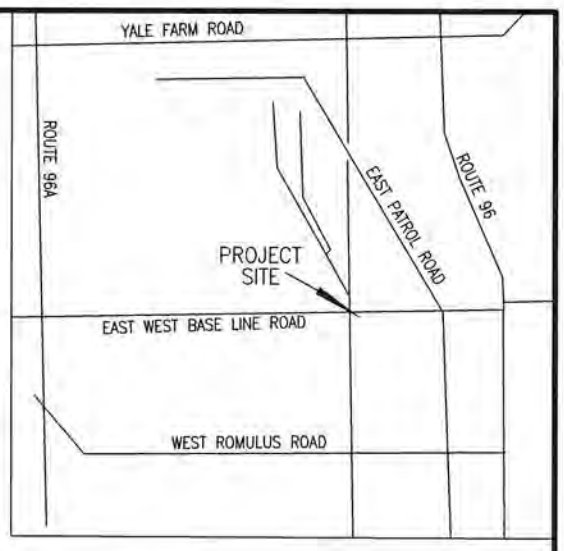
FIGURE 1
EXTENT OF SEDA
LAND USE RESTRICTION

August 2017

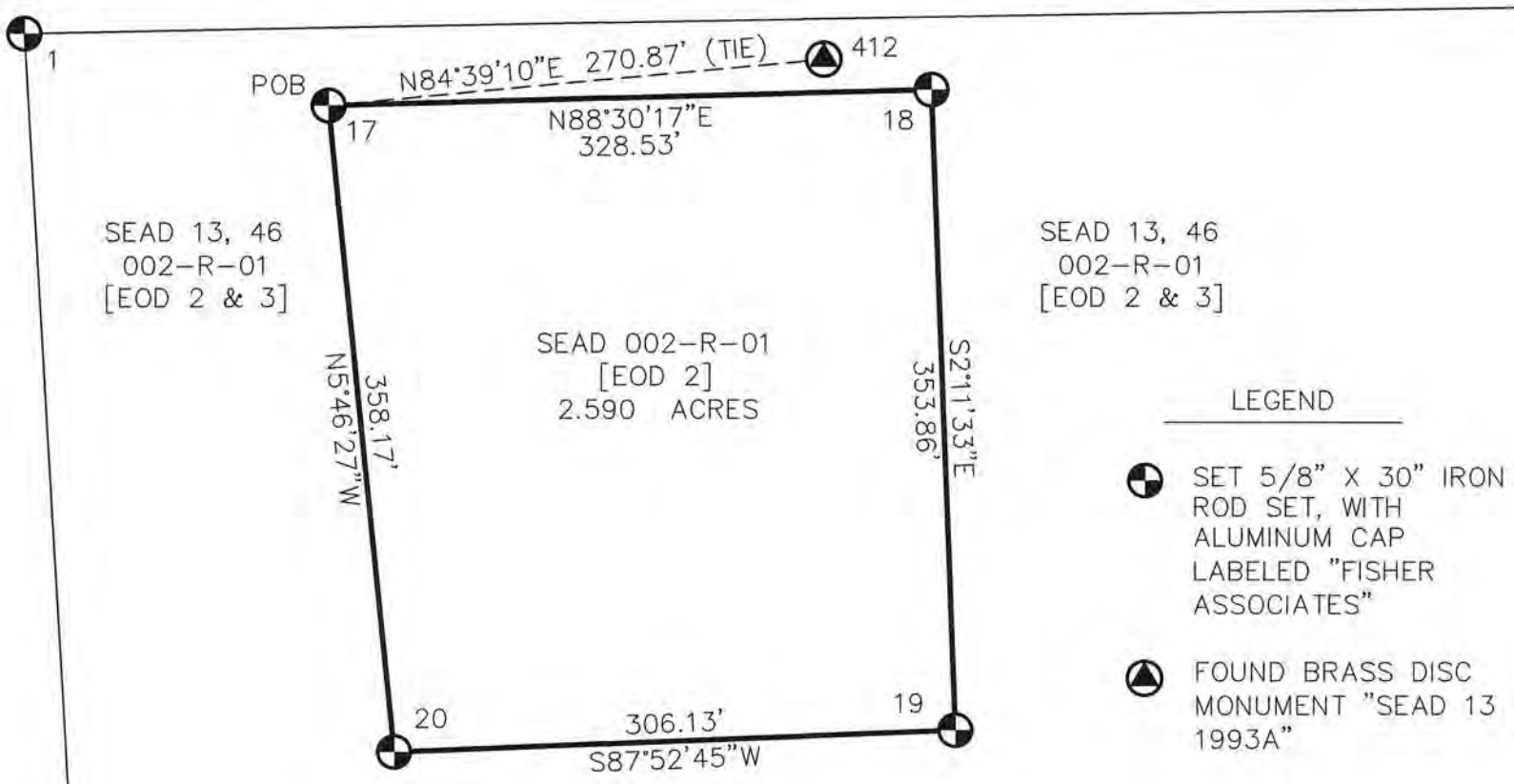
Path: O:\Seneca\PID LUC\FIGURE 1 Addendum 6_v2.mxd

A 2.590 ACRES EASEMENT "SEAD 002-R-01 [EOD 2]"

SITUATE IN THE STATE OF NEW YORK, COUNTY OF SENECA, TOWN OF ROMULUS. A 2.590 ACRES PORTION OF THE 7,601.642 ACRES PARCEL DESCRIBED TO THE SENECA COUNTY INDUSTRIAL DEVELOPMENT AGENCY AS RECORDED IN LIBER 714 PAGE 197



LOCATION SKETCH
(NOT TO SCALE)



LEGEND

- SET 5/8" X 30" IRON ROD SET, WITH ALUMINUM CAP LABELED "FISHER ASSOCIATES"
- FOUND BRASS DISC MONUMENT "SEAD 13 1993A"

PT NO.	N	E	DESCRIPTION
17	1007695.317	747365.737	IRS
18	1007703.890	747694.158	IRS
19	1007350.289	747707.695	IRS
20	1007338.960	747401.773	IRS
412	1007720.560	747635.430	BRASS MONUMENT "SEAD 13 1993A"

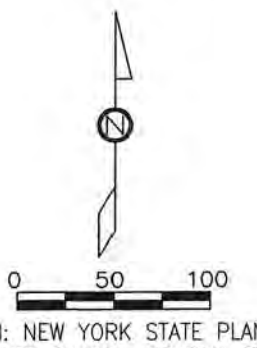
See: Final Record of Decision. SEAD-46, SEAD 003-R-01 (SEAD-57), SEAD 002-R-01 and SEAD 007-R-01 (Seneca AD Munitions Response Sites) and SEAD-70. Seneca Army Depot Activity. March 2017.

Impose, maintain, and monitor a LUC that prohibits the development or use of property for residential housing, elementary and secondary schools, childcare facilities or playgrounds at the real property within the Seneca AD MRSs

This property is subject to an environmental easement held by the New York State Department of Environmental Conservation pursant to Title 36 of Article 71 of the New York Environmental Conservation Law. The engineering and institutional controls for this Easement are set forth in more detail in the Site Management Plan (SMP). A copy of the SMP must be obtained by any party with any interest in the property. The SMP can be obtained from NYS Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233 or at derweb@dec.ny.gov.

New York State Education Law Section 7209 states that it is a violation of this law for any person, unless he/she is acting under the direction of a licensed professional engineer or land surveyor, to alter an item in any way.

If an item bearing the seal of an engineer or land surveyor is altered, the altering engineer or land surveyor shall affix to the item his/her seal and the notations "altered by" followed by his/her signature and the date os such alteration, and a specific description of the alteration



DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD83 2011 (EPOCH 2010), GRID NORTH, US SURVEY FOOT

MICHAEL AUSTEN, PLS-NO. 050926 10/05/2018

DRAWING NO. 1 SHEET 1 OF 1	PROJECT: SENECA ARMY DEPOT ACTIVITY TOWN OF ROMULUS, COUNTY OF SENECA STATE OF NEW YORK	FA PROJECT NO. 182024 PROJECT MANAGER MICHAEL AUSTEN		FISHER ASSOCIATES WWW.FISHERASSOC.COM 400 SOUTHPOINTE BOULEVARD SUITE 105 CANONSBURG, PA 15317 724-916-4250
	TITLE OF DRAWING: SENECA ARMY DEPOT ACTIVITY SEAD 002-R-01 [EOD 2] EASEMENT PLAT	DRAWN BY CJB SCALE 1"=100' ISSUE DATE 10/05/18		

Description of a New 2.590 Acres Easement, "SEAD 002-R-01 [EOD 2]"

Situate in the State of New York, County of Seneca, and Town of Romulus.

A 2.590 areas easement being a portion of the 7,601.642 acres parcel described to The Seneca County Industrial Development Agency as recorded in Liber 714 at Page 197 described as follows:

Beginning at a set 5/8 inch iron rod (N 1007695.32, E 747365.74), from which a found brass disc stamped "SEAD 13 1993A" (N 1007720.56, E 747635.43) bears North 84° 39' 10" East 270.87 feet;

Thence, North 88° 30' 17" East 328.53 feet to a set iron rod (N 1007703.89, E 747694.16);

Thence, South 02° 11' 33" East 353.86 feet to a set iron rod (N 1007350.29, E 747707.69);

Thence, South 87° 52' 45" West 306.13 feet to a set iron rod (N 1007338.96, E 747401.77);

Thence, North 05° 46' 27" West 358.17 feet to the Point of Beginning, containing 2.590 acres.

The iron rods described above as "set" are 5/8 inch by 30 inch iron rods with an aluminum cap stamped "Fisher Associates".

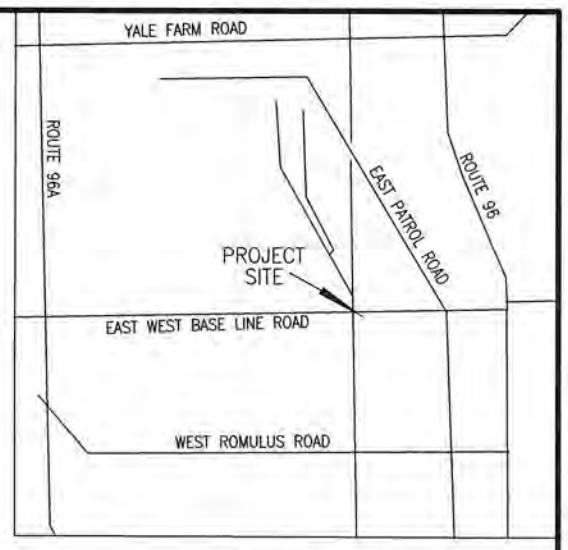
This description is accompanied by a plat, "Seneca Army Depot Activity SEAD 002-R-01 [EOD 2] Easement Plat" dated 10-05-18, being the results a field survey performed in September 2018. The datum of said survey is the New York State Plane NAD83 2011 (2010 Epoch), Grid North, US Survey Foot.

Michael K. Austen, PLS 050926 Date: 10-05-2018

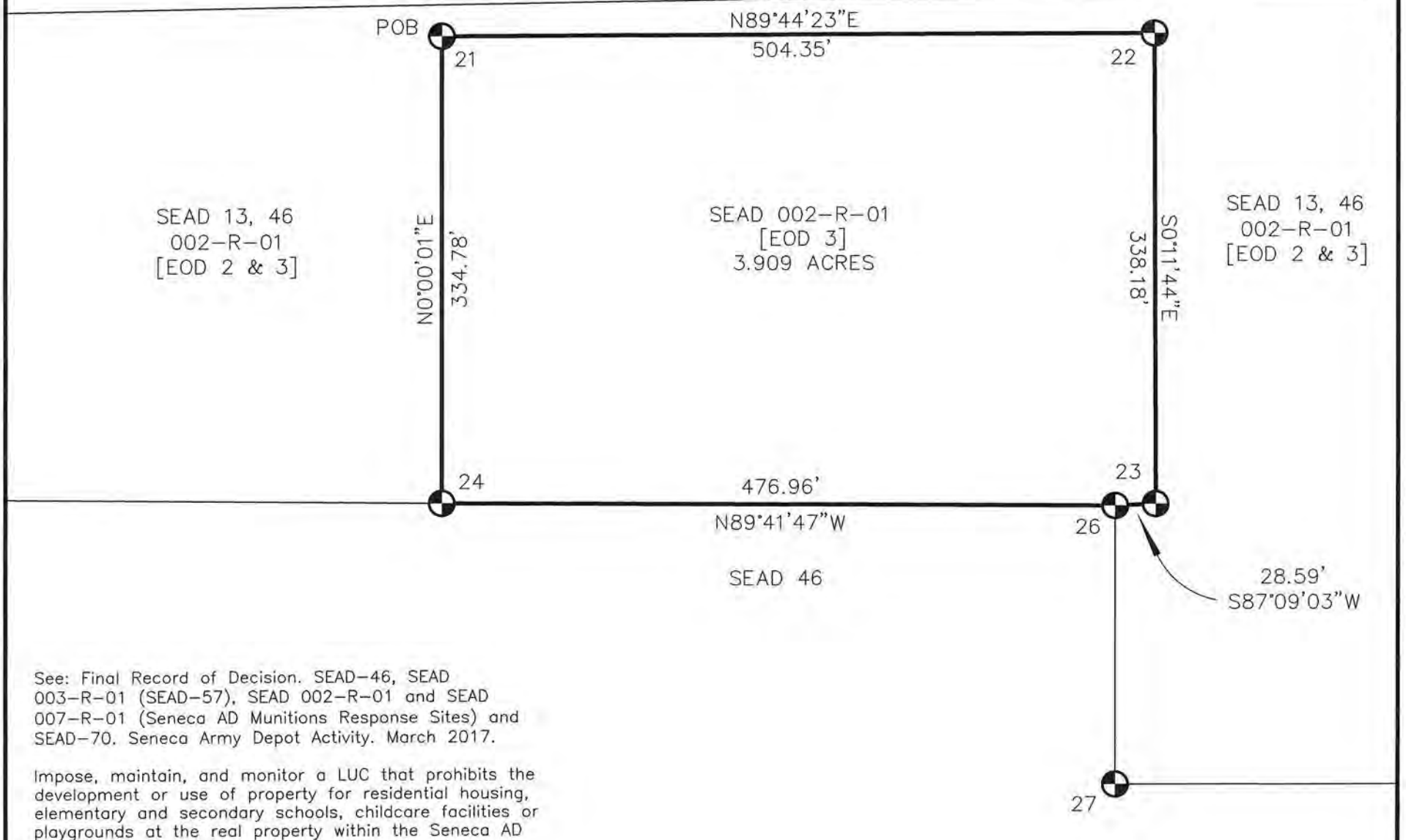
A 3.909 ACRES EASEMENT "SEAD 002-R-01 [EOD 3]"

SITUATE IN THE STATE OF NEW YORK, COUNTY OF SENECA, TOWN OF ROMULUS. A 3.909 ACRES PORTION OF THE 7,601.642 ACRES PARCEL DESCRIBED TO THE SENECA COUNTY INDUSTRIAL DEVELOPMENT AGENCY AS RECORDED IN LIBER 714 PAGE 197

PT NO.	N	E	DESCRIPTION
21	1007751.833	749399.854	IRS
22	1007754.124	749904.203	IRS
23	1007415.946	749905.358	IRS
24	1007417.052	749399.852	IRS
26	1007414.525	749876.808	IRS



LOCATION SKETCH
(NOT TO SCALE)



See: Final Record of Decision. SEAD-46, SEAD 003-R-01 (SEAD-57), SEAD 002-R-01 and SEAD 007-R-01 (Seneca AD Munitions Response Sites) and SEAD-70. Seneca Army Depot Activity. March 2017.

Impose, maintain, and monitor a LUC that prohibits the development or use of property for residential housing, elementary and secondary schools, childcare facilities or playgrounds at the real property within the Seneca AD MRSs

This property is subject to an environmental easement held by the New York State Department of Environmental Conservation pursant to Title 36 of Article 71 of the New York Environmental Conservation Law. The engineering and institutional controls for this Easement are set forth in more detail in the Site Management Plan (SMP). A copy of the SMP must be obtained by any party with any interest in the property. The SMP can be obtained from NYS Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233 or at derweb@dec.ny.gov.

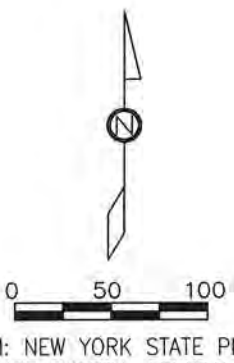
LEGEND

5/8" X 30" IRON ROD SET, WITH ALUMINUM CAP LABELED "FISHER ASSOCIATES"

New York State Education Law Section 7209 states that it is a violation of this law for any person, unless he/she is acting under the direction of a licensed professional engineer or land surveyor, to alter an item in any way.

If an item bearing the seal of an engineer or land surveyor is altered, the altering engineer or land surveyor shall affix to the item his/her seal and the notations "altered by" followed by his/her signature and the date os such alteration, and a specific description of the alteration

MICHAEL AUSTEN, PLS-NO. 050926 10/05/2018



DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD83 2011 (EPOCH 2010), GRID NORTH, US SURVEY FOOT

DRAWING NO. 1 SHEET 1 OF 1	PROJECT: SENECA ARMY DEPOT ACTIVITY TOWN OF ROMULUS, COUNTY OF SENECA STATE OF NEW YORK	FA PROJECT NO. 182024 PROJECT MANAGER MICHAEL AUSTEN		FISHER ASSOCIATES WWW.FISHERASSOC.COM 400 SOUTHPOINTE BOULEVARD SUITE 105 CANONSBURG, PA 15317 724-916-4250
	TITLE OF DRAWING: SENECA ARMY DEPOT ACTIVITY SEAD 002-R-01 [EOD 3] EASEMENT PLAT	DRAWN BY CJB SCALE 1"=100' ISSUE DATE 10/05/18		

Description of a New 3.909 Acres Easement, "SEAD 002-R-01 [EOD 3]"

Situate in the State of New York, County of Seneca, and Town of Romulus.

A 3.909 areas easement being a portion of the 7,601.642 acres parcel described to The Seneca County Industrial Development Agency as recorded in Liber 714 at Page 197 described as follows:

Beginning at a set 5/8 inch iron rod (N 1007751.83, E 749399.85);

Thence, North 89° 44' 23" East 504.35 feet to a set iron rod (N 1007754.12, E 749904.20);

Thence, South 00° 11' 44" East 338.18 feet to a set iron rod (N 1007415.95, E 749905.36);

Thence, South 87° 09' 03" West 28.59 feet to a set iron rod (N 1007414.52, E 749876.81);

Thence, North 89° 41' 47" West 476.96 feet to a set iron rod (N 1007417.05, E 749399.85);

Thence, North 00° 00' 01" East 334.78 feet to the Point of Beginning, containing 3.909 acres.

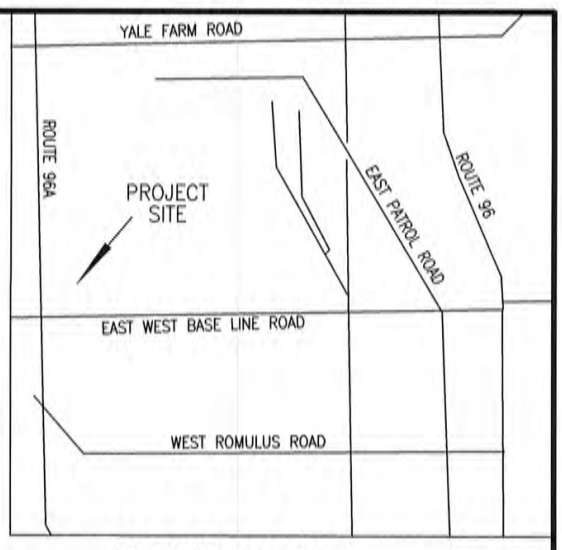
The iron rods described above as "set" are 5/8 inch by 30 inch iron rods with an aluminum cap stamped "Fisher Associates".

This description is accompanied by a plat, "Seneca Army Depot Activity SE SEAD 002-R-01 [EOD 3] Easement Plat" dated 10-05-18, being the results a field survey performed in September 2018. The datum of said survey is the New York State Plane NAD83 2011 (2010 Epoch), Grid North, US Survey Foot.

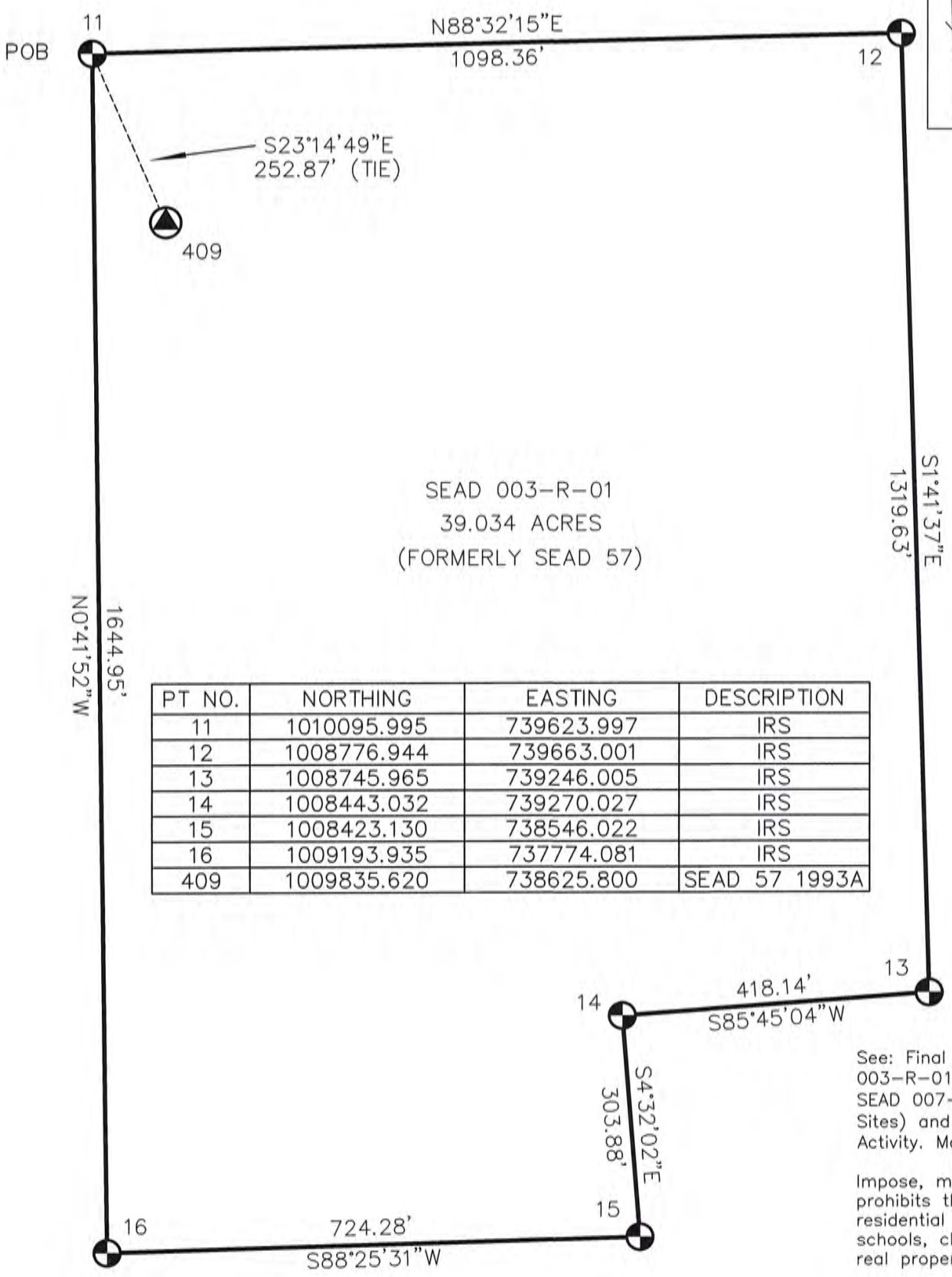
Michael K. Austen, PLS 050926 Date: 10-05-2018

A 39.034 ACRES EASEMENT "SEAD 003-R-01"

SITUATE IN THE STATE OF NEW YORK, COUNTY OF SENECA, TOWN OF ROMULUS. A 39.034 ACRES PORTION OF THE 7,601.642 ACRES PARCEL DESCRIBED TO THE SENECA COUNTY INDUSTRIAL DEVELOPMENT AGENCY AS RECORDED IN LIBER 714 PAGE 197



LOCATION SKETCH
(NOT TO SCALE)



PT NO.	NORTHING	EASTING	DESCRIPTION
11	1010095.995	739623.997	IRS
12	1008776.944	739663.001	IRS
13	1008745.965	739246.005	IRS
14	1008443.032	739270.027	IRS
15	1008423.130	738546.022	IRS
16	1009193.935	737774.081	IRS
409	1009835.620	738625.800	SEAD 57 1993A

LEGEND

- 5/8" X 30" IRON ROD SET, WITH ALUMINUM CAP LABELED "FISHER ASSOCIATES"
- FOUND BRASS DISC MONUMENT "SEAD 57 1993" AND "SEAD 57 1993A"

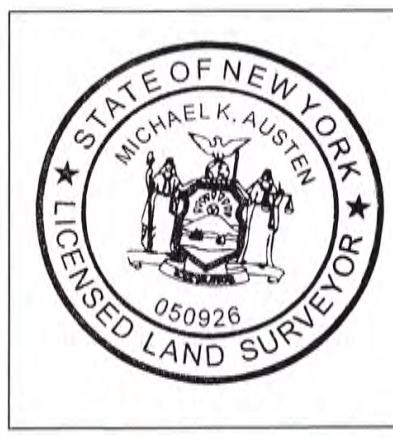
See: Final Record of Decision. SEAD-46, SEAD 003-R-01 (SEAD-57), SEAD 002-R-01 and SEAD 007-R-01 (Seneca AD Munitions Response Sites) and SEAD-70. Seneca Army Depot Activity. March 2017.

Impose, maintain, and monitor a LUC that prohibits the development or use of property for residential housing, elementary and secondary schools, childcare facilities or playgrounds at the real property within the Seneca AD MRSs

This property is subject to an environmental easement held by the New York State Department of Environmental Conservation pursant to Title 36 of Article 71 of the New York Environmental Conservation Law. The engineering and institutional controls for this Easement are set forth in more detail in the Site Management Plan (SMP). A copy of the SMP must be obtained by any party with any interest in the property. The SMP can be obtained from NYS Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233 or at derweb@dec.ny.gov.

New York State Education Law Section 7209 states that it is a violation of this law for any person, unless he/she is acting under the direction of a licensed professional engineer or land surveyor, to alter an item in any way.

If an item bearing the seal of an engineer or land surveyor is altered, the altering engineer or land surveyor shall affix to the item his/her seal and the notations "altered by" followed by his/her signature and the date os such alteration, and a specific description of the alteration



MICHAEL AUSTEN, PLS-NO. 050926 10/05/2018

0 100 200

DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD83 2011 (EPOCH 2010), GRID NORTH, US SURVEY FOOT

DRAWING NO. 1

SHEET 1 OF 1

PROJECT
SENECA ARMY DEPOT ACTIVITY
TOWN OF ROMULUS, COUNTY OF SENECA
STATE OF NEW YORK

TITLE OF DRAWING
SENECA ARMY DEPOT ACTIVITY
SEAD 003-R-01 EASEMENT PLAT

FA PROJECT NO.
182024

PROJECT MANAGER
MICHAEL AUSTEN

DRAWN BY
CJB

SCALE
1"=200'

ISSUE DATE
10/05/18

FISHER ASSOCIATES
WWW.FISHERASSOC.COM
400 SOUTHPOINTE BOULEVARD
SUITE 105
CANONSBURG, PA 15317
724-916-4250

Description of a New 39.034 Acres Easement, "SEAD 003-R-01"

Situate in the State of New York, County of Seneca, and Town of Romulus.

A 39.034 areas easement being a portion of the 7,601.642 acres parcel described to The Seneca County Industrial Development Agency as recorded in Liber 714 at Page 197 described as follows:

Beginning at a set 5/8 inch iron rod (N 1010095.99, E 739624.00), from which a found brass disc stamped "SEAD 57 1993A" (N 1009835.62, E 738625.80) bears South 23° 14' 49" East 252.87 feet;

Thence, North 88° 32' 15" East 1098.36 feet to a set iron rod (N 1008776.94, E 739663.00);

Thence, South 01° 41' 37" East 1319.63 feet to a set iron rod (N 1008745.96, E 739246.00);

Thence, South 85° 45' 04" West 418.14 feet to a set iron rod (N 1008443.03, E 739270.03);

Thence, South 04° 32' 02" East 303.88 feet to a set iron rod (N 1008423.13, E 738546.02);

Thence, South 88° 25' 31" West 724.28 feet to a set iron rod (N 1009193.94, E 737774.08);

Thence, North 00° 41' 52" West 1644.95 feet to the Point of Beginning, containing 39.034 acres.

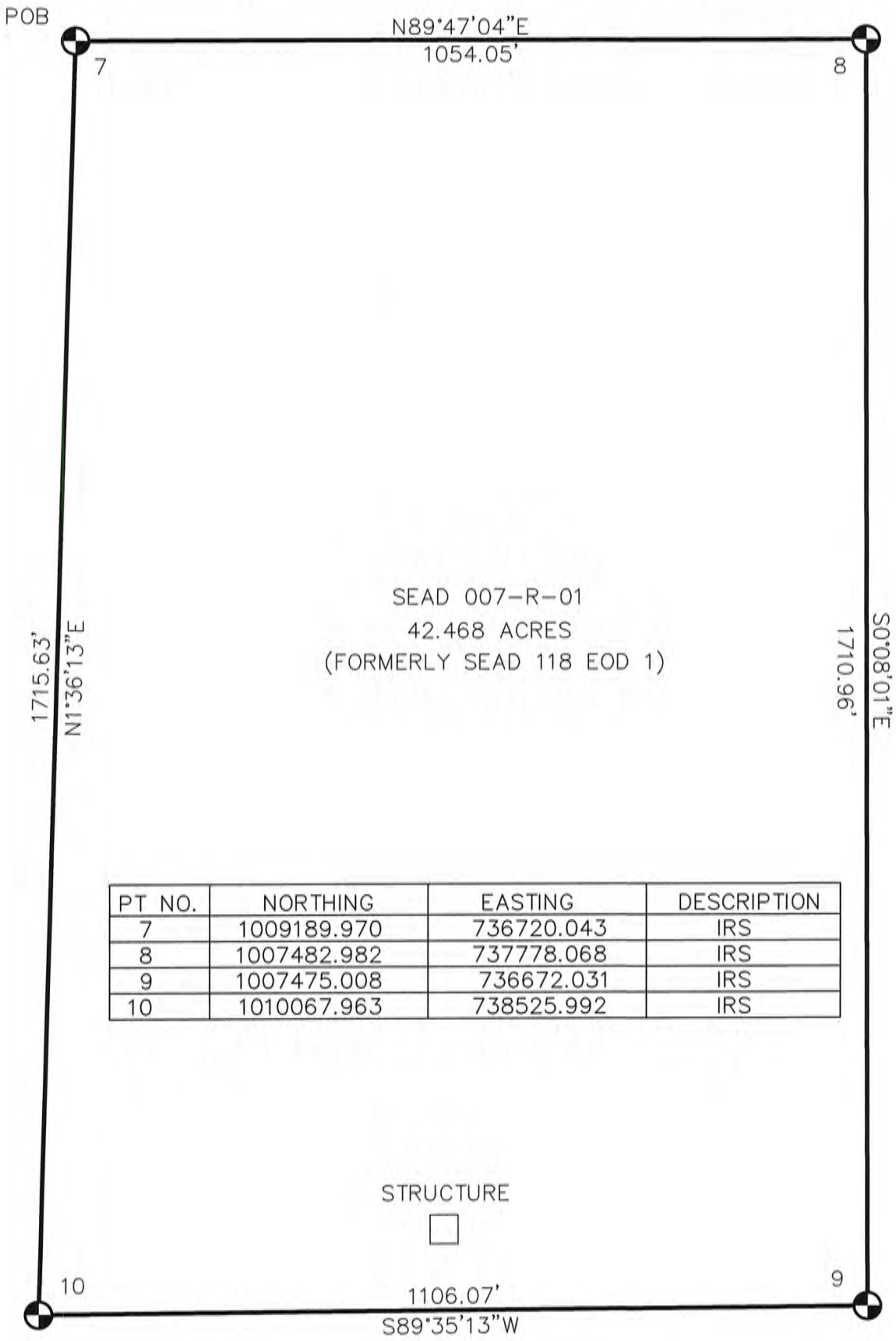
The iron rods described above as "set" are 5/8 inch by 30 inch iron rods with an aluminum cap stamped "Fisher Associates".

This description is accompanied by a plat, "Seneca Army Depot Activity SEAD 003-R-01 Easement Plat" dated 10-05-18, being the results a field survey performed in September 2018. The datum of said survey is the New York State Plane NAD83 2011 (2010 Epoch), Grid North, US Survey Foot.

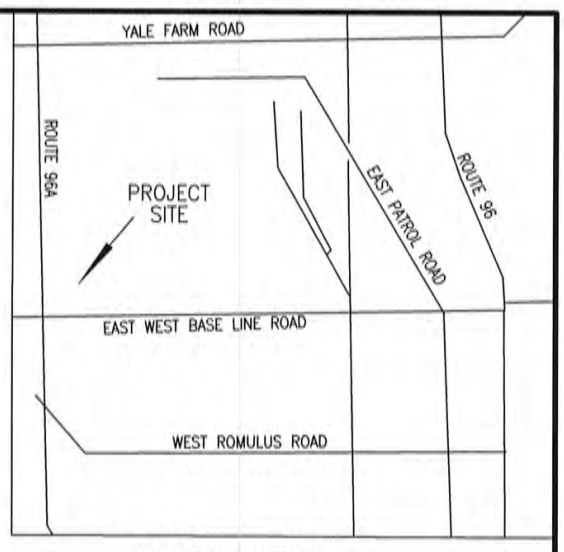
Michael K. Austen, PLS 050926 Date: 10-05-2018

A 42.468 ACRES EASEMENT "SEAD 007-R-01"

SITUATE IN THE STATE OF NEW YORK, COUNTY OF SENECA, TOWN OF ROMULUS. A 42.468 ACRES PORTION OF THE 7,601.642 ACRES PARCEL DESCRIBED TO THE SENECA COUNTY INDUSTRIAL DEVELOPMENT AGENCY AS RECORDED IN LIBER 714 PAGE 197



PT NO.	NORTHING	EASTING	DESCRIPTION
7	1009189.970	736720.043	IRS
8	1007482.982	737778.068	IRS
9	1007475.008	736672.031	IRS
10	1010067.963	738525.992	IRS



LOCATION SKETCH
(NOT TO SCALE)

See: Final Record of Decision. SEAD-46, SEAD 003-R-01 (SEAD-57), SEAD 002-R-01 and SEAD 007-R-01 (Seneca AD Munitions Response Sites) and SEAD-70. Seneca Army Depot Activity. March 2017.

Impose, maintain, and monitor a LUC that prohibits the development or use of property for residential housing, elementary and secondary schools, childcare facilities or playgrounds at the real property within the Seneca AD MRSs

This property is subject to an environmental easement held by the New York State Department of Environmental Conservation pursant to Title 36 of Article 71 of the New York Environmental Conservation Law. The engineering and institutional controls for this Easement are set forth in more detail in the Site Management Plan (SMP). A copy of the SMP must be obtained by any party with any interest in the property. The SMP can be obtained from NYS Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233 or at derweb@dec.ny.gov.

New York State Education Law Section 7209 states that it is a violation of this law for any person, unless he/she is acting under the direction of a licensed professional engineer or land surveyor, to alter an item in any way.

If an item bearing the seal of an engineer or land surveyor is altered, the altering engineer or land surveyor shall affix to the item his/her seal and the notations "altered by" followed by his/her signature and the date os such alteration, and a specific description of the alteration

MICHAEL AUSTEN, PLS-NO. 050926 10/05/2018

LEGEND

5/8" X 30" IRON ROD SET, WITH ALUMINUM CAP LABELED "FISHER ASSOCIATES"

0 100 200

DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD83 2011 (EPOCH 2010), GRID NORTH, US SURVEY FOOT

DRAWING NO. 1 SHEET 1 OF 1	PROJECT: SENECA ARMY DEPOT ACTIVITY TOWN OF ROMULUS, COUNTY OF SENECA STATE OF NEW YORK	FA PROJECT NO. 182024 PROJECT MANAGER MICHAEL AUSTEN		FISHER ASSOCIATES WWW.FISHERASSOC.COM 400 SOUTHPOINTE BOULEVARD SUITE 105 CANONSBURG, PA 15317 724-916-4250
	TITLE OF DRAWING: SENECA ARMY DEPOT ACTIVITY SEAD 007-R-01 EASEMENT PLAT	DRAWN BY CJB SCALE 1"=200' ISSUE DATE 10/05/18		

Description of a New 42.468 Acres Easement, "SEAD 007-R-01"

Situate in the State of New York, County of Seneca, and Town of Romulus.

A 42.468 areas easement being a portion of the 7,601.642 acres parcel described to The Seneca County Industrial Development Agency as recorded in Liber 714 at Page 197 described as follows:

Beginning at a set 5/8 inch iron rod (N 1009189.97, E 736720.04);

Thence, North 89° 47' 04" East 1054.05 feet to a set iron rod (N 1007482.98, E 737778.07);

Thence, South 00° 08' 01" East 1710.96 feet to a set iron rod (N 1007475.01, E 736672.03);

Thence, South 89° 35' 13" West 1106.07 feet to a set iron rod (N 1010067.96, E 738525.99);

Thence, North 01° 36' 13" East 1715.63 feet to the Point of Beginning, containing 42.468 acres.

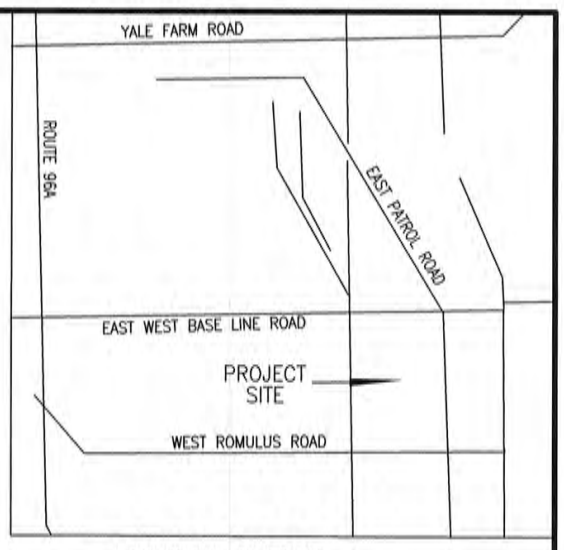
The iron rods described above as "set" are 5/8 inch by 30 inch iron rods with an aluminum cap stamped "Fisher Associates".

This description is accompanied by a plat, "Seneca Army Depot Activity SEAD 007-R-01 Easement Plat" dated 10-05-18, being the results a field survey performed in September 2018. The datum of said survey is the New York State Plane NAD83 2011 (2010 Epoch), Grid North, US Survey Foot.

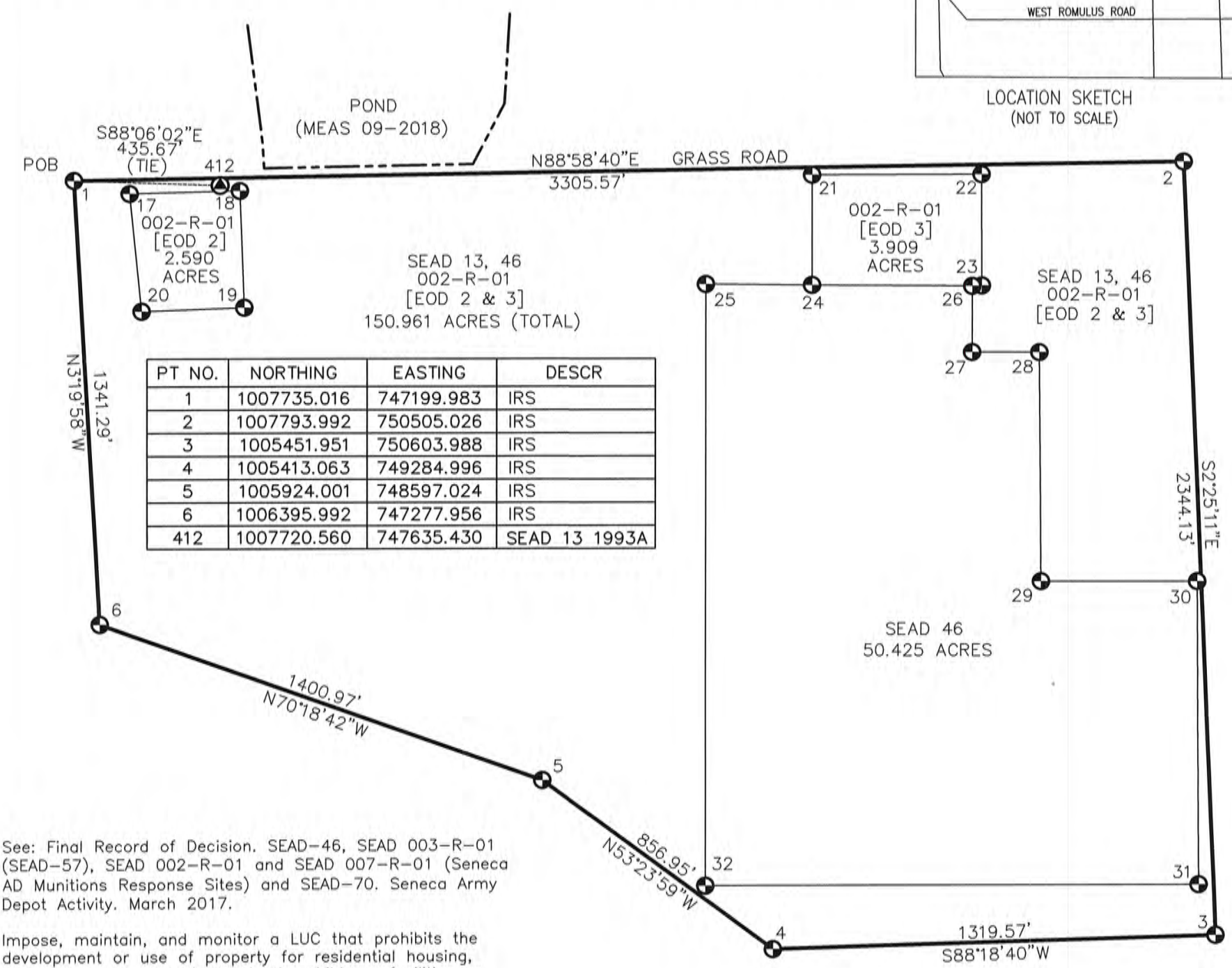
Michael K. Austen, PLS 050926 Date: 10-05-2018

A 150.961 ACRES EASEMENT "SEAD 13, 46, 002-R-01 [EOD 2 & 3]"

SITUATE IN THE STATE OF NEW YORK, COUNTY OF SENECA, TOWN OF ROMULUS. A 150.961 ACRES PORTION OF THE 7,601.642 ACRES PARCEL DESCRIBED TO THE SENECA COUNTY INDUSTRIAL DEVELOPMENT AGENCY AS RECORDED IN LIBER 714 PAGE 197



LOCATION SKETCH
(NOT TO SCALE)



PT NO.	NORTHING	EASTING	DESCR
1	1007735.016	747199.983	IRS
2	1007793.992	750505.026	IRS
3	1005451.951	750603.988	IRS
4	1005413.063	749284.996	IRS
5	1005924.001	748597.024	IRS
6	1006395.992	747277.956	IRS
412	1007720.560	747635.430	SEAD 13 1993A

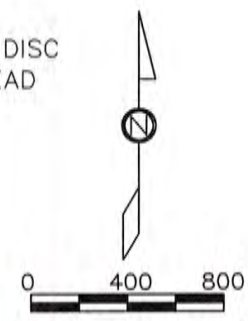
See: Final Record of Decision. SEAD-46, SEAD 003-R-01 (SEAD-57), SEAD 002-R-01 and SEAD 007-R-01 (Seneca AD Munitions Response Sites) and SEAD-70. Seneca Army Depot Activity. March 2017.

Impose, maintain, and monitor a LUC that prohibits the development or use of property for residential housing, elementary and secondary schools, childcare facilities or playgrounds at the real property within the Seneca AD MRSs

This property is subject to an environmental easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the New York Environmental Conservation Law. The engineering and institutional controls for this Easement are set forth in more detail in the Site Management Plan (SMP). A copy of the SMP must be obtained by any party with any interest in the property. The SMP can be obtained from NYS Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233 or at derweb@dec.ny.gov.

LEGEND

- 5/8" X 30" IRON ROD SET, WITH ALUMINUM CAP LABELED "FISHER ASSOCIATES"
- FOUND BRASS DISC MONUMENT "SEAD 13 1993A"



DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD83 2011 (EPOCH 2010), GRID NORTH, US SURVEY FOOT

New York State Education Law Section 7209 states that it is a violation of this law for any person, unless he/she is acting under the direction of a licensed professional engineer or land surveyor, to alter an item in any way.

If an item bearing the seal of an engineer or land surveyor is altered, the altering engineer or land surveyor shall affix to the item his/her seal and the notations "altered by" followed by his/her signature and the date os such alteration, and a specific description of the alteration

MICHAEL AUSTEN, PLS-NO. 050926 10/05/2018

DRAWING NO. 1 SHEET 1 OF 1	PROJECT: SENECA ARMY DEPOT ACTIVITY TOWN OF ROMULUS, COUNTY OF SENECA STATE OF NEW YORK	FA PROJECT NO. 182024 PROJECT MANAGER MICHAEL AUSTEN		FISHER ASSOCIATES WWW.FISHERASSOC.COM 400 SOUTHPOINTE BOULEVARD SUITE 105 CANONSBURG, PA 15317 724-916-4250
	TITLE OF DRAWING: SENECA ARMY DEPOT ACTIVITY SEAD 13, 46, 002-R-01 [EOD 2 & 3] EASEMENT PLAT	DRAWN BY CJB SCALE 1"=400' ISSUE DATE 10/05/18		

Description of a New 150.961 Acres Easement, "SEAD 13, 46, 002-R-01 [EOD 2 & 3]"

Situate in the State of New York, County of Seneca, and Town of Romulus.

A 150.961 areas easement being a portion of the 7,601.642 acres parcel described to The Seneca County Industrial Development Agency as recorded in Liber 714 at Page 197 described as follows:

Beginning at a set 5/8 inch iron rod (N 1007735.02, E 747199.98);

Thence, North 88° 58' 40" East 3305.57 feet to a set iron rod (N 1007793.99, E 750505.03);

Thence, South 02° 25' 11" East 2344.13 feet to a set iron rod (N 1005451.95, E 750603.99);

Thence, South 88° 18' 40" West 1319.57 feet to a set iron rod (N 1005413.06, E 749285.00);

Thence, North 53° 23' 59" West 856.95 feet to a set iron rod (N 1005924.00, E 748597.02);

Thence, North 70° 18' 42" West 1400.97 feet to a set iron rod (N 1006395.99, E 747277.96);

Thence, North 03° 19' 58" West 1341.29 feet to the Point of Beginning, containing 150.961 acres.

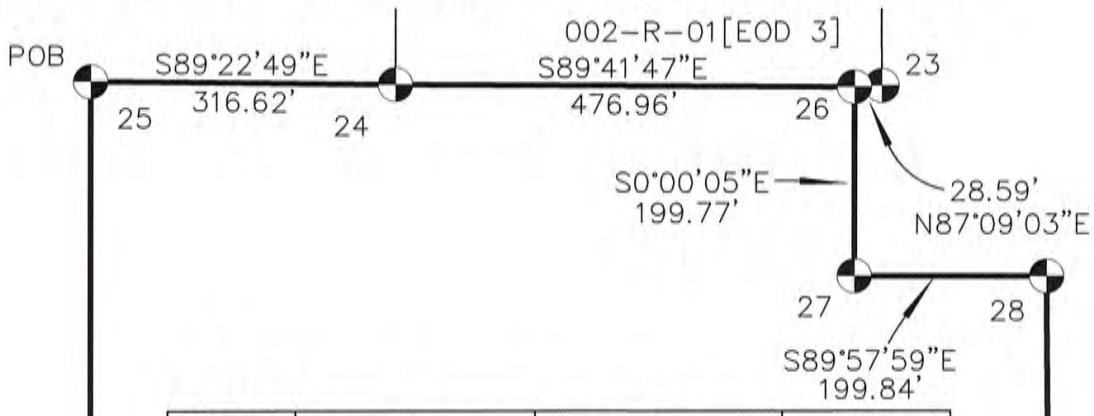
The iron rods described above as "set" are 5/8 inch by 30 inch iron rods with an aluminum cap stamped "Fisher Associates".

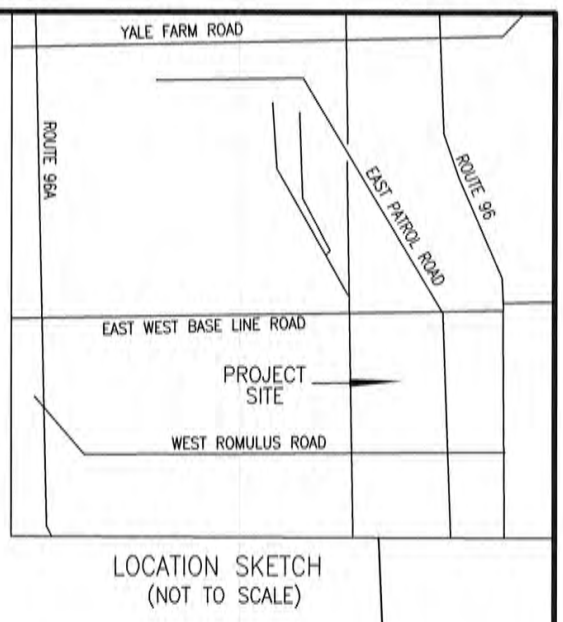
This description is accompanied by a plat, "Seneca Army Depot Activity SEAD 13, 46, 002-R-01 [EOD 2 & 3] Easement Plat" dated 10-05-18, being the results a field survey performed in September 2018. The datum of said survey is the New York State Plane NAD83 2011 (2010 Epoch), Grid North, US Survey Foot.

Michael K. Austen, PLS 050926 Date: 10-05-2018

A 50.425 ACRES EASEMENT "SEAD 46"

SITUATE IN THE STATE OF NEW YORK, COUNTY OF SENECA, TOWN OF ROMULUS. A 50.425 ACRES PORTION OF THE 7,601.642 ACRES PARCEL DESCRIBED TO THE SENECA COUNTY INDUSTRIAL DEVELOPMENT AGENCY AS RECORDED IN LIBER 714 PAGE 197





LOCATION SKETCH
(NOT TO SCALE)

PT NO.	N	E	DESCR
24	1007417.052	749399.852	IRS
25	1007420.478	749083.253	IRS
26	1007414.525	749876.808	IRS
27	1007214.760	749876.814	IRS
28	1007214.643	750076.655	IRS
29	1006521.047	750082.661	IRS
30	1006521.106	750546.958	IRS
31	1005604.150	750552.774	IRS
32	1005604.048	749083.215	IRS

SEAD 13, 46
002-R-01
[EOD 2 & 3]

SEAD 13, 46
002-R-01
[EOD 2 & 3]

See: Final Record of Decision. SEAD-46, SEAD 003-R-01 (SEAD-57), SEAD 002-R-01 and SEAD 007-R-01 (Seneca AD Munitions Response Sites) and SEAD-70. Seneca Army Depot Activity. March 2017.

Impose, maintain, and monitor a LUC that prohibits the development or use of property for residential housing, elementary and secondary schools, childcare facilities or playgrounds at the real property within the Seneca AD MRSs

This property is subject to an environmental easement held by the New York State Department of Environmental Conservation pursant to Title 36 of Article 71 of the New York Environmental Conservation Law. The engineering and institutional controls for this Easement are set forth in more detail in the Site Management Plan (SMP). A copy of the SMP must be obtained by any party with any interest in the property. The SMP can be obtained from NYS Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233 or at derweb@dec.ny.gov.

New York State Education Law Section 7209 states that it is a violation of this law for any person, unless he/she is acting under the direction of a licensed professional engineer or land surveyor, to alter an item in any way.

If an item bearing the seal of an engineer or land surveyor is altered, the altering engineer or land surveyor shall affix to the item his/her seal and the notations "altered by" followed by his/her signature and the date os such alteration, and a specific description of the alteration

MICHAEL AUSTEN, PLS-NO. 050926 10/05/2018

LEGEND

5/8" X 30" IRON ROD SET, WITH ALUMINUM CAP LABELED "FISHER ASSOCIATES"

N

0 100 200

DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD83 2011 (EPOCH 2010), GRID NORTH, US SURVEY FOOT

DRAWING NO. 1 SHEET 1 OF 1	PROJECT SENECA ARMY DEPOT ACTIVITY TOWN OF ROMULUS, COUNTY OF SENECA STATE OF NEW YORK TITLE OF DRAWING SENECA ARMY DEPOT ACTIVITY SEAD 46 EASEMENT PLAT	FA PROJECT NO. 182024 PROJECT MANAGER MICHAEL AUSTEN DRAWN BY CJB SCALE 1"=200' ISSUE DATE 10/05/18		FISHER ASSOCIATES WWW.FISHERASSOC.COM 400 SOUTHPOINTE BOULEVARD SUITE 105 CANONSBURG, PA 15317 724-916-4250

Description of a New 50.425 Acres Easement, "SEAD 46"

Situate in the State of New York, County of Seneca, and Town of Romulus.

A 50.425 areas easement being a portion of the 7,601.642 acres parcel described to The Seneca County Industrial Development Agency as recorded in Liber 714 at Page 197 described as follows:

Beginning at a set 5/8 inch iron rod (N 1007420.48, E 749083.25);

Thence, South 89° 22' 49" East 316.62 feet to a set iron rod (N 1007417.05, E 749399.85);

Thence, South 89° 41' 47" East 476.96 feet to a set iron rod (N 1007414.52, E 749876.81);

Thence, South 00° 00' 05" East 199.77 feet to a set iron rod (N 1007214.76, E 749876.81);

Thence, South 89° 57' 59" East 199.84 feet to a set iron rod (N 1007214.64, E 750076.66);

Thence, South 00° 29' 46" East 693.62 feet to a set iron rod (N 1006521.05, E 750082.66);

Thence, North 89° 59' 34" East 464.30 feet to a set iron rod (N 1006521.11, E 750546.96);

Thence, South 00° 21' 48" East 916.97 feet to a set iron rod (N 1005604.15, E 750552.77);

Thence, South 89° 59' 46" West 1469.56 feet to a set iron rod (N 1005604.05, E 749083.22);

Thence, North 00° 00' 04" East 1816.43 feet to the Point of Beginning, containing 50.425 acres.

The iron rods described above as "set" are 5/8 inch by 30 inch iron rods with an aluminum cap stamped "Fisher Associates".

This description is accompanied by a plat, "Seneca Army Depot Activity SEAD 46 Easement Plat" dated 10-05-18, being the results a field survey performed in September 2018. The datum of said survey is the New York State Plane NAD83 2011 (2010 Epoch), Grid North, US Survey Foot.

Michael K. Austen, PLS 050926 Date: 10-05-2018

Appendix E

Property Owner Letters

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DEPARTMENT OF THE ARMY
US ARMY CORPS OF ENGINEERS, NEW YORK DISTRICT
JACOB K. JAVITS FEDERAL BUILDING
26 FEDERAL PLAZA
NEW YORK, NEW YORK 10278-0090

19 January 2024

Deer Haven Park, LLC
3236 Hoster Road
Seneca Falls, New York 13148

SUBJECT: Annual Land Use Control Inspections for Sites on Tax Parcels 02-1-01, 07-1-46, 07-1-47, 07-1-49, and 11-1-02 in Seneca County, New York

Dear Deer Haven Park, LLC

As part of ongoing environmental stewardship of the Former Seneca Army Depot, land use control (LUC) inspections were conducted at 16 sites across the following tax parcels owned by Deer Haven Park, LLC: 02-1-01, 07-1-46, 07-1-47, 07-1-49, and 11-1-02 from 26-29 June 2023 (**Figure 1**). As outlined in the property deeds, these portions of the property are subject to an environmental easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the environmental conservation Law and land use controls are a requirement of the associated Record of Decisions (RODs). Copies of the RODs and additional details on the required LUCs are available as part of the administrative record currently kept online at https://senecaarmydepotar.com/ar/. A summary of required LUCs is detailed in the table below:

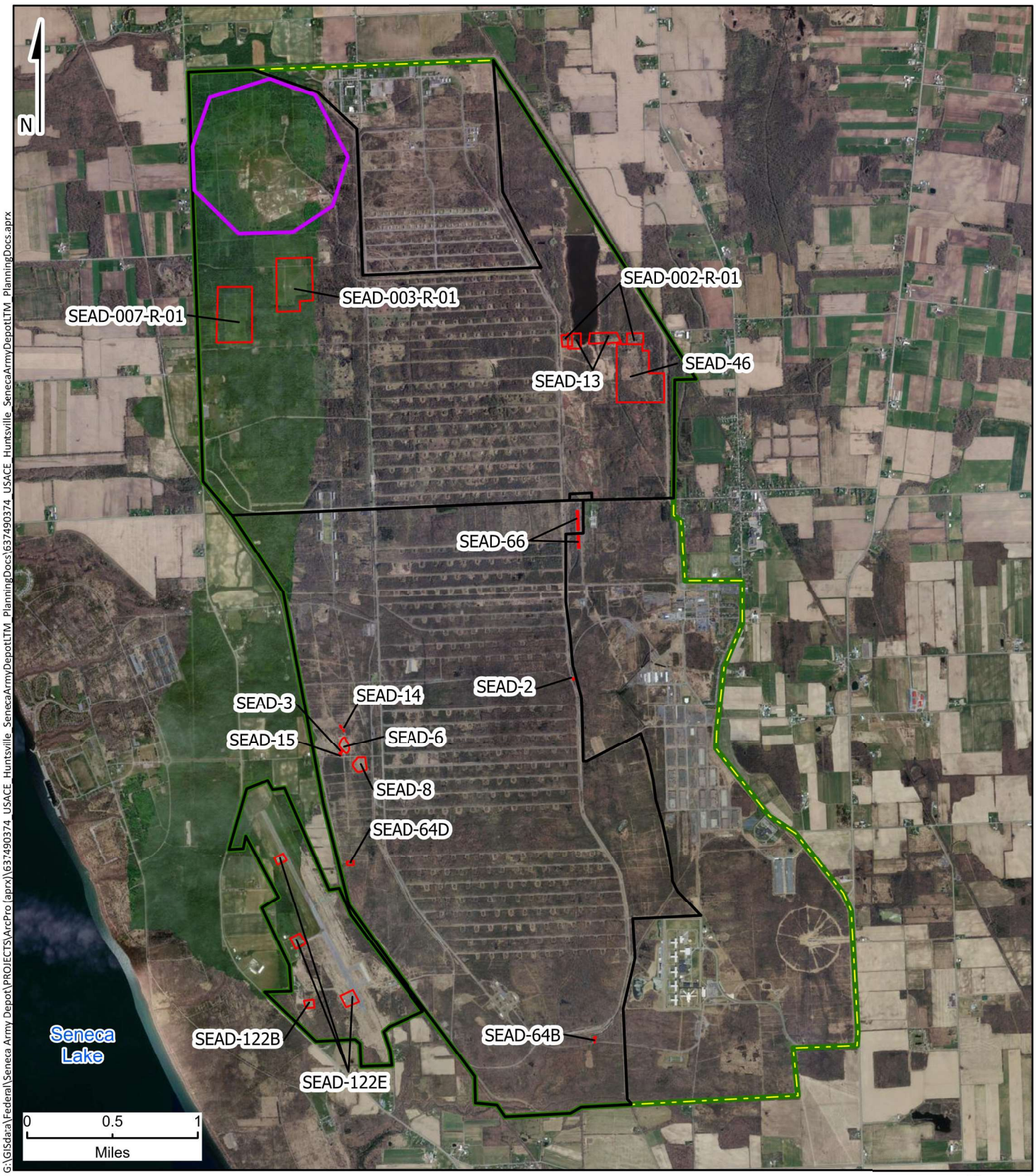
			LUC Requirements							
Site Number	Tax Map	Owner	Prohibit Residential, Schools, Childcare Facilities, & Playgrounds	Prohibit Construction of Inhabitable Structures (temporary or permanent)	Groundwater Use Restriction (Prohibit Access or Use of)	Groundwater Long-term Monitoring Required	Unauthorized Excavation Restriction	Maintain Soil Cap and/or Vegetative Cover	Maintain Remedial & Monitoring Wells System	3R Explosives Safety Education Program
SEAD-2	02-1-01	Deer Haven Park, LLC	X		X					
SEAD-66	02-1-01	Deer Haven Park, LLC	X		X					
SEAD-13	07-1-49	Deer Haven Park, LLC			X				X	
SEAD-64B	02-1-01	Deer Haven Park, LLC					X	X		
SEAD-64D	02-1-01	Deer Haven Park, LLC			X		X	X	X	
SEAD-122B	11-1-02	Deer Haven Park, LLC	X							
SEAD-122E	11-1-02	Deer Haven Park, LLC	X							
SEAD-3	02-1-01	Deer Haven Park, LLC		X	X	X	X	X		
SEAD-6	02-1-01	Deer Haven Park, LLC		X	X	X	X	X		
SEAD-8	02-1-01	Deer Haven Park, LLC		X	X	X	X	X		
SEAD-14	02-1-01	Deer Haven Park, LLC		X	X	X	X	X		
SEAD-15	02-1-01	Deer Haven Park, LLC		X	X	X	X	X		
SEAD-46	07-1-49	Deer Haven Park, LLC	X							X
SEAD 003-R-01	07-1-47	Deer Haven Park, LLC	X							X
SEAD 007-R-01	07-1-46	Deer Haven Park, LLC	X							X
SEAD 002-R-01	07-1-49	Deer Haven Park, LLC	X							X

Due to the historical use of munitions at several sites, provided for your use is a copy of the 3Rs Explosive Safety Guide. If you have any questions or have any future development plans for the subject tax parcels, please call me at 917-575-1819.

Sincerely,

Digitally signed by GALLO.CHRISTOPHER.T.1604778820
Date: 2024.01.19 15:20:11 -05'00'

Christopher T. Gallo
Corps of Engineers, Project Manager
US Army BRAC Environmental Coordinator



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Legend

- Deer Haven Park LLC Parcels (Approximate)
- Former Depot Boundary
- SEAD Sites selection
- ODG Boundary (US Government Property)

Figure 1
LUC Sites on
Deer Haven Park LLC Property
Seneca Army Depot (SEAD)
Romulus, Seneca County, New York

Map Date:1/19/2024 2:02 PM

Projection: NAD 1983 2011 StatePlane
New York Central FIPS 3102 Ft US

3Rs Explosives Safety Guide

Outdoor Recreation

Recognize
Retreat
Report

HIKING, HUNTING, FISHING, CAMPING, SIGHTSEEING, GARDENING AND SCUBA DIVING ARE SOME OF THE WAYS THAT PEOPLE ENJOY THE OUTDOORS.

Outdoor recreation, which has always been popular, is now becoming more and more popular. Many areas used for outdoor recreation have also played a vital role in preparing our armed forces for national defense.

The United States has always maintained a highly trained and ready military to protect its national interests. Because of the training and testing required to maintain this force, millions of acres in the United States and along its shores are known or suspected to contain military munitions in the form of unexploded ordnance (UXO), or discarded military munitions. Although DoD routinely made an effort to remove any explosive hazards (munitions) present before releasing the land from its control, some may remain. These explosive hazards may be found on the surface or in the subsurface.

Given past munitions-related activities (e.g., live-fire training, demilitarization), and for a number of other reasons (e.g., Civil War battles, family member war trophies), it is possible to encounter munitions almost anywhere. When encountered, munitions present a potential explosive hazard that can easily end in tragedy.

Such a tragedy occurred in 2000 when a 9-year-old boy found an artillery round while playing near a former military range. After keeping it for more than a year, the round exploded while he was playing with it. As a result, he lost part of his arm. Unfortunately, his family did not recognize the potential hazard the munition posed, and their son's life was changed forever.

Munitions encountered on land or underwater should be considered extremely dangerous. They can explode if disturbed or handled.

To protect yourself, your family, your friends and your neighbors learn and follow the 3Rs of explosives safety: Recognize, Retreat, Report.

Recognize

Recognizing when you may have encountered a munition is one of the most important steps in reducing the risk of injury or death. Munitions, which may be encountered on land or underwater, might be easy or hard to identify. If you encounter or even suspect that you have encountered a munition, you should consider it extremely dangerous.

Munitions, including suspect munitions, should never be touched, moved, or disturbed. If they explode, anyone in the vicinity can be injured or killed.

Remember munitions:

- Come in many shapes and sizes
  - Could look like a:
    - Pointed pipe
    - Soda can
    - Baseball
    - Car muffler
    - Necklace bead
- May:
  - Look new or old
  - Be found singly or in groups

Regardless of size or shape and whether complete or in pieces, any munition or suspect munition encountered should be considered extremely dangerous.

NEVER TOUCH, MOVE OR DISTURB A MUNITION; THEY ARE DESIGNED TO INJURE, MAIM, OR KILL

Munitions may be:

- Found almost anywhere
- Clearly visible on the surface
- Buried at depths of inches to feet
- Partially or completely hidden by vegetation, or dirt
- Underwater, in lakes, streams, or the ocean and are often partially or completely covered with algae or sea life
- Exposed by erosion or fire

Munitions are most often encountered in areas the military once used or still uses for training, demilitarization, or disposal. Munitions can also be found in areas where combat operations once occurred. Remember, even cannon balls found on Civil War battlefields present a potential explosive hazard.

- On land, warning signs often mark these areas
- At sea, they are normally charted as restricted areas or marked with buoys as danger zones

The best way to avoid injury or death is to stay out of areas marked with warning signs or charted as restricted. By doing so, you will avoid areas known or suspected to contain munitions.

Hiking or sightseeing on or near military training areas or former battle grounds can lead to an encounter with a munition that, depending on your actions, can prove deadly. Often, such areas warn users of the potential hazards, and provide instructions (e.g., remain on established trails) on the area's safe use.

COLLECTING OR KEEPING MUNITIONS AS SOUVENIRS IS DANGEROUS AND CAN BE DEADLY

Unfortunately, munitions are a popular, but potentially deadly souvenir. Taking a munition for a keepsake presents an immediate and real danger to you. Bringing one home endangers your family and friends. Don't be tempted.

Should you or your family have a souvenir that is or may be a munition, even if it has been in the family for years, remember it may still be deadly. Call 911 to report it before someone gets hurt.

Retreat

If you encounter or suspect you may have encountered a munition, do not touch, move or disturb it, but carefully retreat from the area by retracing your steps.

Never:

- Explore areas where munitions are present
- Touch, move or disturb a munition
- Approach a munition or a suspect munition (Some fuzes are sensitive to changes in temperature, movement or pressure)
- Throw anything at a munition, as it may detonate with the slightest touch)

If you encounter or suspect you may have encountered a munition, do not touch, move or disturb it. Instead, immediately and carefully leave the area. If on land, retrace your steps out of the area by the same path which you entered. Once safely away, mark the path with a piece of clothing, if possible. If in the water, swim away in the direction from which you came. If possible, get a fix on your position.

Report

Protect yourself, your family, your friends and your neighbors by following the 3Rs. If you encounter or suspect you have encountered a munition, immediately report it to the police. Advise your children and their friends to immediately report any discovery of munitions or suspected munitions to the police, a teacher, a parent or another adult.

Provide as much information as possible about what you saw and where you saw it. This will help the police and explosive ordnance disposal personnel (usually referred to as EOD personnel) find, evaluate and address the situation.

When you report the encounter, provide:

- The area where you encountered it
- A general description of the munition, to include:
  - Its size and shape
  - Any readily visible markings--do not approach or handle the munition to see markings

ON LAND OR WHILE SWIMMING OR SCUBA DIVING FROM SHORE

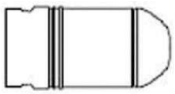
- Call 911 (local law enforcement) as soon as possible
- Provide:
  - The name or location of the area where you saw the munition
  - A landmark near the munition

AT SEA

- Notify U.S. Coast Guard on Channel 16 (156.800 MHz), as soon as possible
- Provide:
  - Your boat's position or if the position is unknown, give the location's "popular" name, coordinates, or a range and bearing
  - Activity (e.g., fishing) you were conducting
  - Estimated water depth

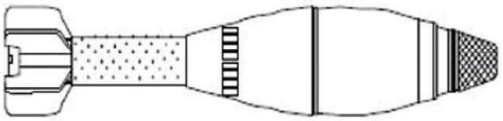
Just as on land, the only thing to do is leave the munition or suspect munition where it lies. Do not touch, move or disturb it. If inadvertently brought on board, carefully and gently put it back in the water.

MUNITIONS COMMON SIZE AND SHAPE PROFILES

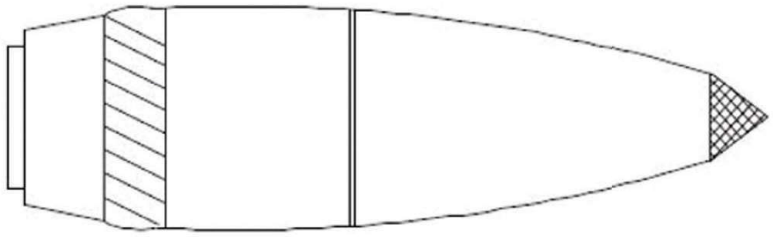


2 - 5”

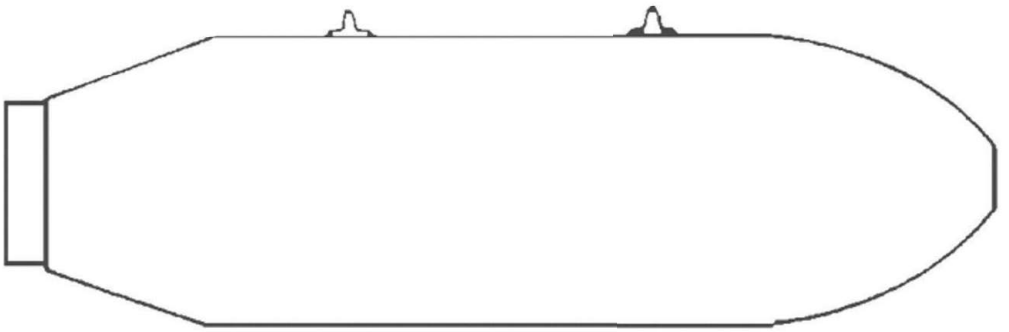
8 - 16”



10 - 25”



15 - 36”



18 - 60”

Don't Forget

- Munitions are dangerous and may not be easily recognizable!
- Avoid areas where munitions may be encountered!
- Follow posted warnings; Never touch, move or disturb a munition!

Follow the 3Rs

Recognize

When you may have come across a munition, and that munitions are dangerous

Retreat

Do not approach, touch, move, or disturb it, but carefully leave the area.

Report

Immediately what you saw and where you saw it to local law enforcement – call 911

For additional information visit the US Army's Explosives Safety Education website

https://3Rs.mil

November 2022

DEPARTMENT OF THE ARMY
US ARMY CORPS OF ENGINEERS, NEW YORK DISTRICT
JACOB K. JAVITS FEDERAL BUILDING
26 FEDERAL PLAZA
NEW YORK, NEW YORK 10278-0090

30 January 2024

New York State Corrections
1220 Washington Avenue #9
Albany, New York 12226

SUBJECT: Annual Land Use Control Inspections for Sites on Seneca County Tax Parcel 16-1-21

Dear New York State Department of Corrections

As part of ongoing environmental stewardship of the Former Seneca Army Depot, land use control (LUC) inspections were conducted at 8 sites across the following tax parcel owned by New York State Department of Corrections: 16-1-21 from 26-29 June 2023 (**Figure 1**). As outlined in the property deed, these portions of the property are subject to an environmental easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the environmental conservation Law and land use controls are a requirement of the associated Record of Decisions (RODs). Copies of the RODs and additional details on the required LUCs are available as part of the administrative record currently kept online at https://senecaarmydepotar.com/ar/. A summary of required LUCs is detailed in the table below:

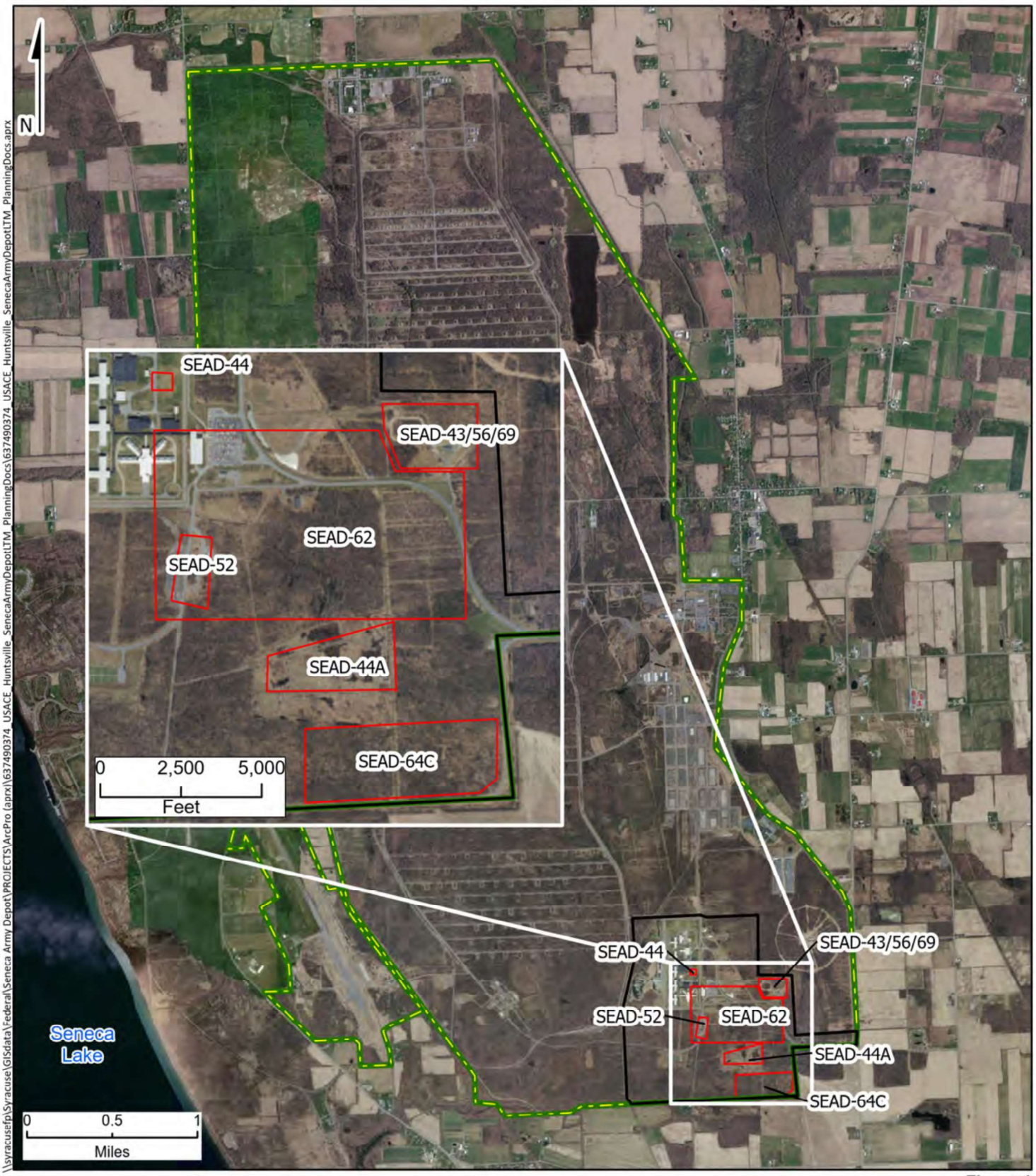
Site Number	Tax Parcel	Owner	LUC Requirements
			Continued Restricted Use as Correctional Facility
SEAD-43	16-1-21	NYS Department of Corrections	X
SEAD-44A	16-1-21	NYS Department of Corrections	X
SEAD-44B	16-1-21	NYS Department of Corrections	X
SEAD-52	16-1-21	NYS Department of Corrections	X
SEAD-56	16-1-21	NYS Department of Corrections	X
SEAD-62	16-1-21	NYS Department of Corrections	X
SEAD-64C	16-1-21	NYS Department of Corrections	X
SEAD-69	16-1-21	NYS Department of Corrections	X

If you have any questions or have any future development plans for the above tax parcel, please call me at 917-575-1819.

Sincerely,

Digitally signed by GALLO.CHRISTOPHER.T.1604778820
Date: 2024.02.01 11:23:57 -05'00'

Christopher T. Gallo
Corps of Engineers, Project Manager
US Army BRAC Environmental Coordinator



Legend

- Former Depot Boundary
- SEAD Sites
- NYS Corrections Properties

Figure 1
LUC Sites on
NYS Department of Corrections
Seneca Army Depot (SEAD)
Romulus, Seneca County, New York

Map Date:1/19/2024 2:52 PM

Projection: NAD 1983 2011 StatePlane
New York Central FIPS 3102 Ft US

DEPARTMENT OF THE ARMY
US ARMY CORPS OF ENGINEERS, NEW YORK DISTRICT
JACOB K. JAVITS FEDERAL BUILDING
26 FEDERAL PLAZA
NEW YORK, NEW YORK 10278-0090

30 January 2024

Seneca County IDA
1 Dipronio Drive
Waterloo, New York 13165

SUBJECT: Annual Land Use Control Inspections for Sites on Seneca County Tax Parcels 07-1-10.2 and 07-1-44

Dear Seneca County IDA,

As part of ongoing environmental stewardship of the Former Seneca Army Depot, land use control (LUC) inspections were conducted at 2 sites across the following tax parcels owned by Seneca County IDA: 07-1-10.2 and 07-1-44 from 26-29 June 2023 (**Figure 1**). As outlined in the property deed, these portions of the property are subject to an environmental easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the environmental conservation Law and land use controls are a requirement of the associated Record of Decisions (RODs). Copies of the RODs and additional details on the required LUCs are available as part of the administrative record currently kept online at https://senecaarmydepotar.com/ar/. A summary of required LUCs is detailed in the table below:

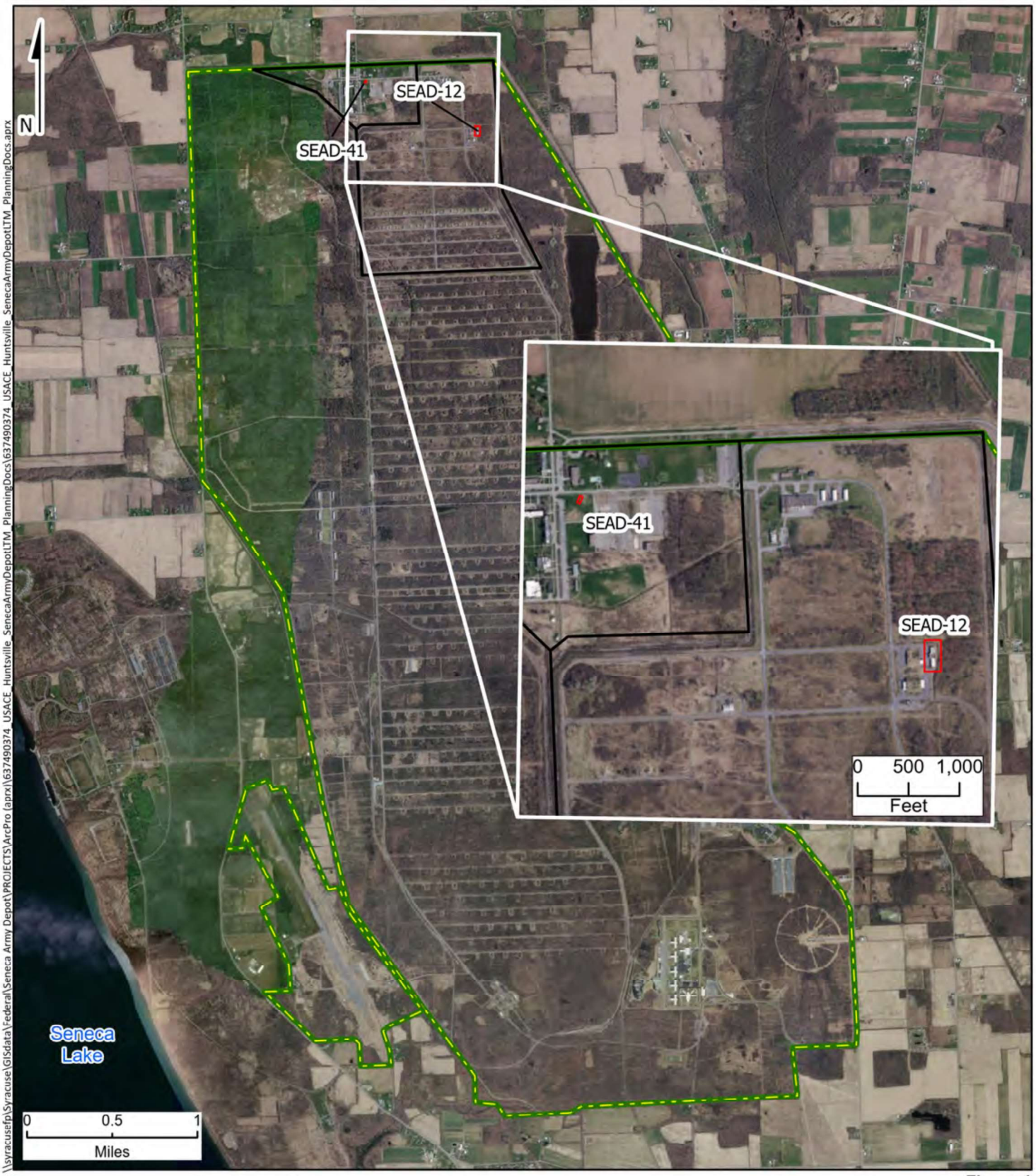
Site Number	Tax Parcel	Owner	LUC Requirements		
			Prohibit Residential, Schools, Childcare Facilities, & Playgrounds	Prohibit Construction of Inhabitable Structures (temporary or permanent)	GW Use Restriction (Prohibit Access or Use of)
SEAD-12	07-1-44	Seneca County IDA	X	X	X
SEAD-41	07-1-10.2	Seneca County IDA			X

If you have any questions or have any future development plans for the above tax parcel, please call me at 917-575-1819.

Sincerely,

Digitally signed by GALLO.CHRISTOPHER.T.1604778820
Date: 2024.02.01 11:24:48 -05'00'

Christopher T. Gallo
Corps of Engineers, Project Manager
US Army BRAC Environmental Coordinator



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Legend

- Former Depot Boundary
- SEAD Sites
- Seneca County IDA Properties

Figure 1
LUC Sites on
Seneca County IDA Property
Seneca Army Depot (SEAD)
Romulus, Seneca County, New York

Map Date:1/19/2024 2:52 PM

Projection: NAD 1983 2011 StatePlane
New York Central FIPS 3102 Ft US

DEPARTMENT OF THE ARMY
US ARMY CORPS OF ENGINEERS, NEW YORK DISTRICT
JACOB K. JAVITS FEDERAL BUILDING
26 FEDERAL PLAZA
NEW YORK, NEW YORK 10278-0090

30 January 2024

Seneca Depot, LLC
400 Andrews Street Suite 500
Rochester, NY 14604

SUBJECT: Annual Land Use Control Inspections for Sites on Seneca County Tax Parcels 08-1-03.4 and 08-1-03.5

Dear Seneca Depot, LLC,

As part of ongoing environmental stewardship of the Former Seneca Army Depot, land use control (LUC) inspections were conducted at 15 sites across the following tax parcels owned by Seneca Depot, LLC: 08-1-03.4 and 08-1-03.5 from 26-29 June 2023 (**Figure 1**). As outlined in the property deeds, these portions of the property are subject to an environmental easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the environmental conservation Law and land use controls are a requirement of the associated Record of Decisions (RODs). Copies of the RODs and additional details on the required LUCs are available as part of the administrative record currently kept online at https://senecaarmydepotar.com/ar/. A summary of required LUCs is detailed in the table below:

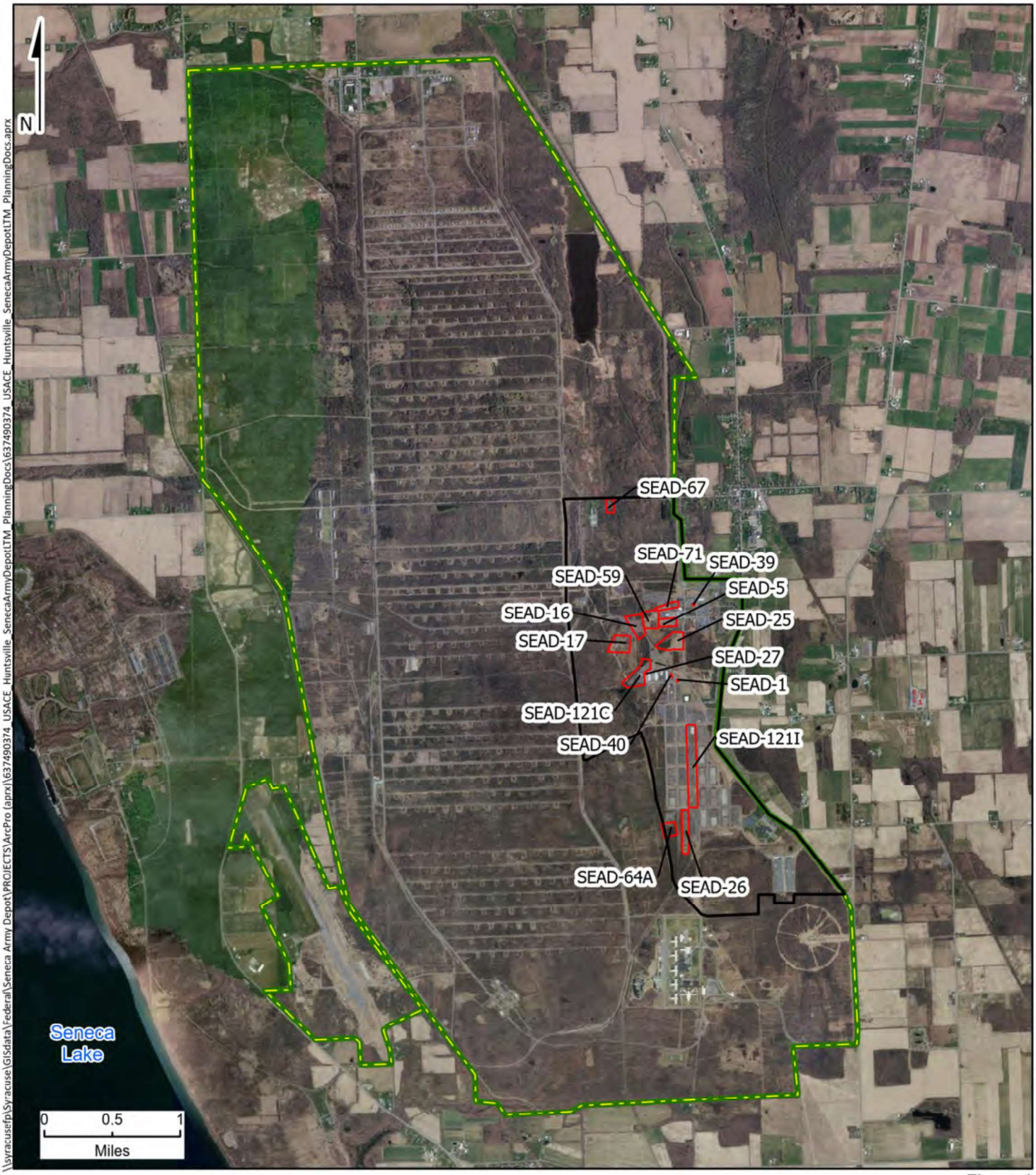
			LUC Requirements					
Site Number	Tax Parcel	Owner	Prohibit Residential, Schools, Childcare Facilities, & Playgrounds	Prohibit Construction of Inhabitable Structures (temporary or permanent)	GW Use Restriction (Prohibit Access or Use of)	GW LTM Required	Maintain Soil Cap and/or Vegetative Cover	Maintain Remedial & Monitoring Wells System
SEAD-1	08-1-03.5	Seneca Depot LLC	X		X			
SEAD-5	08-1-03.4	Seneca Depot LLC	X		X		X	
SEAD-16	08-1-03.5	Seneca Depot LLC	X		X	X		
SEAD-17	08-1-03.5	Seneca Depot LLC	X		X	X		
SEAD-25	08-1-03.5	Seneca Depot LLC	X		X	X		X
SEAD-26	08-1-03.5	Seneca Depot LLC	X		X	X		
SEAD-27	08-1-03.5	Seneca Depot LLC	X		X			
SEAD-39	08-1-03.5	Seneca Depot LLC	X		X			
SEAD-40	08-1-03.5	Seneca Depot LLC	X		X			
SEAD-59	08-1-03.5	Seneca Depot LLC	X		X			
SEAD-64A	08-1-03.5	Seneca Depot LLC	X		X			
SEAD-67	08-1-03.5	Seneca Depot LLC	X		X			
SEAD-71	08-1-03.5	Seneca Depot LLC	X		X			
SEAD-121C	08-1-03.5	Seneca Depot LLC	X		X			
SEAD-121I	08-1-03.5	Seneca Depot LLC	X		X			

If you have any questions or have any future development plans for the above tax parcels, please call me at 917-575-1819.

Sincerely,

Digitally signed by GALLO.CHRISTOPHER.T.1604778820
Date: 2024.02.01 11:25:33 -05'00'

Christopher T. Gallo
Corps of Engineers, Project Manager
US Army BRAC Environmental Coordinator



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Legend

- Former Depot Boundary
- SEAD Sites
- Seneca Depot LLC Properties

Figure 1
LUC Sites on
Seneca Depot LLC Property
Seneca Army Depot (SEAD)
Romulus, Seneca County, New York

Map Date:1/29/2024 5:06 PM

Projection: NAD 1983 2011 StatePlane
New York Central FIPS 3102 Ft US