

**Final**  
**2020 Annual Land Use Control Monitoring Report,**  
**RVAAP-01 Ramsdell Quarry Landfill,**  
**RVAAP-05 Winklepeck Burning Grounds,**  
**RVAAP-08 through RVAAP-11 (Load Lines 1 through 4),**  
**RVAAP-12 (Load Line 12) and RVAAP-51 (Dump Along Paris-Windham**  
**Road)**

**Camp James A. Garfield Joint Military Training Center**  
**Former Ravenna Army Ammunition Plant**  
**Portage and Trumbull Counties, Ohio**

**Contract No. W912QR-18-C-0013**

***Prepared for:***



**U.S. Army Corps of Engineers**  
**Louisville District**

***Prepared by:***



**May 24, 2021**

<b>REPORT DOCUMENTATION PAGE</b>					<i>Form Approved</i> <i>OMB No. 0704-0188</i>	
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**Louisville District**

***Prepared by:***



**May 24, 2021**



Mike DeWine, Governor  
Jon Husted, Lt. Governor  
Laurie A. Stevenson, Director

June 15, 2021

**TRANSMITTED ELECTRONICALLY**

Mr. Kevin M. Sedlak  
Restoration Program Manager  
ARNG-ILE Clean up  
Camp James A. Garfield JTC  
1438 State Route 534  
Newton Falls, OH 44444

RE: US Army Ravenna Ammunition Plt RVAAP  
Remediation Response  
Project Records  
Remedial Response  
Portage County  
ID # 267000859029

**Subject: US Army Ravenna Ammunition Plant (RVAAP); Review of the Final 2020 Annual Land Use Control Monitoring Report, RVAAP-01 Ramsdell Quarry Landfill, RVAAP-05 Winklepeck Burning Grounds, RVAAP-08 through RVAAP-11 (Load Lines 1 through 4), RVAAP-12 (Load Line 12) and RVAAP-51 (Dump Along Paris Windham Road) – Dated May 24, 2021**

Dear Mr. Sedlak:

The Ohio Environmental Protection Agency (Ohio EPA), Northeast District Office (NEDO), Division of Environmental Response and Revitalization (DERR) acknowledges receipt of the "Final 2020 Annual Land Use Control Monitoring Report, RVAAP-01 Ramsdell Quarry Landfill, RVAAP-05 Winklepeck Burning Grounds, RVAAP-08 through RVAAP-11 (Load Lines 1 through 4), RVAAP-12 (Load Line 12) and RVAAP-51 (Dump Along Paris Windham Road)" dated May 24, 2021. The report was prepared by Chenega Tri-Services, LLC on behalf of the U.S. Army Corps of Engineers Louisville District, and received by the Agency on May 26, 2021.

Ohio EPA concurs with the findings of the report.

During this time, we will not be issuing hard-copy mail. This letter is an official response from Ohio EPA that will be maintained as a public record.

RECEIVED  
JUN 15 2021



MR. SEDLAK  
U.S. ARMY RAVENNA AMMUNITION PLT. RVAAP  
JUNE 15, 2021  
PAGE 2 OF 2

If you have any questions or concerns, please do not hesitate to contact me at (330) 963-1235.

Sincerely,

A handwritten signature in black ink, appearing to read "Nicholas Roope", with a long horizontal flourish extending to the right.

Nicholas Roope  
Site Coordinator  
Division of Environmental Response and Revitalization

NCR/sc

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Camp James A. Garfield Joint Military Training Center  
Former Ravenna Army Ammunition Plant  
Portage and Trumbull Counties, Ohio

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AR = Administrative Record

ARNG = Army National Guard

ARNG-IED-CR = Army National Guard – Installation Environmental Division – Cleanup Restoration

DERR = Division of Environmental Response and Revitalization

EPA = Environmental Protection Agency

NEDO = Northeast District Office

OHARNG = Ohio Army National Guard

USACE = U.S. Army Corps of Engineers

## **TABLE OF CONTENTS**

<b>SECTION 1.0 INTRODUCTION.....</b>	<b>1</b>
1.1 Report Introduction .....	1
1.2 Facility Location .....	2
1.3 Facility History.....	2
1.4 Land Use Controls, Monitoring, And Reporting Requirements .....	3
1.5 Annual LUC Inspection and Monitoring Report Requirement.....	3
<b>SECTION 2.0 ANNUAL LUC MONITORING REPORT FOR RVAAP-01 RAMSDELL QUARRY LANDFILL .....</b>	<b>5</b>
2.1 RVAAP-01 Ramsdell Quarry Landfill.....	5
2.2 LUC Inspection Form for RVAAP-01 Ramsdell Quarry Landfill AOC .....	6
<b>SECTION 3.0 ANNUAL LUC MONITORING REPORT FOR WINKLEPECK BURNING GROUNDS.....</b>	<b>10</b>
3.1 Winklepeck Burning Grounds.....	10
3.2 LUC Inspection Form for RVAAP-05 Winklepeck Burning Grounds AOC .....	10
<b>SECTION 4.0 ANNUAL MONITORING REPORT FOR LOAD LINES 1, 2, 3 AND 4... </b>	<b>13</b>
4.1 Load Lines 1, 2, 3, and 4 .....	13
4.2 Load Lines 1 – 4 Annual Inspection Form.....	14
<b>SECTION 5.0 ANNUAL LUC MONITORING REPORT FOR LOAD LINE 12 .....</b>	<b>16</b>
5.1 Load Line 12 .....	16
5.2 Load Line 12 Annual Inspection Form .....	16
<b>SECTION 6.0 ANNUAL LUC MONITORING REPORT FOR Dump Along Paris- Windham Road .....</b>	<b>20</b>
6.1 Dump Along Paris-Windham Road .....	20
6.2 Dump Along Paris-Windham Road Annual Inspection Form .....	20
<b>SECTION 7.0 CONCLUSIONS .....</b>	<b>23</b>
7.1 General LUC Training .....	23
7.2 Land Use Consistency and Land Use Control Effectiveness at RQL .....	23
7.3 Land Use Consistency and Land Use Control Effectiveness at WBG.....	23
7.4 Land Use Consistency and Remedy Component Monitoring at Load Lines 1, 2, 3 and 4 ..	23
7.5 Land Use Consistency and Land Use Control Effectiveness at Load Line 12 .....	23
7.6 Land Use Consistency and Land Use Control Effectiveness at Dump Along Paris- Windham Road.....	24
7.7 Land Use Control Deficiency Corrective Action at RQL, WBG, Load Lines 1 through 4, Load Line 12 and Dump Along Paris-Windham Road .....	24

7.8 Land Use Control and Remedy Component -Effectiveness Certification .....	24
<b>SECTION 8.0 REFERENCES.....</b>	<b>26</b>

## **LIST OF APPENDICES**

Appendix A	2020 RVAAP-01 RQL Access Logs
Appendix B	2020 RVAAP-01 RQL Photographs
Appendix C	2020 RVAAP-05 WBG Photographs
Appendix D	2020 RVAAP 8-11 Load Line 1, 2, 3 and 4 Photographs
Appendix E	2020 RVAAP-12 Load Line 12 Photographs
Appendix F	2020 RVAAP-12 Load Line 12 Access Logs
Appendix G	RVAAP-12 Load Line 12 2020 Perimeter Fence Defect Call Outs Identified and Repaired
Appendix H	2020 RVAAP-12 Load Line 12 Land Use Control Index and Call-Out Detail Maps
Appendix I	2020 RVAAP-51 Dump Along Paris-Windham Road Photographs

## **LIST OF ACRONYMS AND ABBREVIATIONS**

AOC	Area of Concern
AR	Army Regulation
ARNG	Army National Guard
bgs	below ground surface
Camp Ravenna	Camp Ravenna Joint Military Training Center
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
C.F.R.	Code of Federal Regulations
CJAG	Camp James A. Garfield Joint Military Training Center
DFFOs	Director's Final Findings and Orders
FWSAP	Facility-Wide Sampling and Analysis Plan
FWGWMPP	Facility-Wide Groundwater Monitoring Program Plan
IRP	Installation Restoration Program
LL	Load Line
LUC	Land Use Control
MRS	Munitions Response Site
Ohio EPA	Ohio Environmental Protection Agency
OHARNG	Ohio Army National Guard
PMP	Property Management Plan
RD	Remedial Design
ROD	Record of Decision
RQL	Ramsdell Quarry Landfill
RVAAP	Ravenna Army Ammunition Plant
USP&FO	United States Property and Fiscal Officer
WBG	Winklepeck Burning Grounds

## **SECTION 1.0 INTRODUCTION**

### **1.1 Report Introduction**

As of December 2020, four areas at the former Ravenna Army Ammunition Plant (former RVAAP), now known as the Camp James A. Garfield Joint Military Training Center (CJAG) have designated Land Use Controls (LUCs); Ramsdell Quarry Landfill (RQL), Winklepeck Burning Grounds (WBG), Load Line 12 and the Dump Along Paris-Windham Road.

The Final Revised Interim Record of Decision (ROD) did not contain any formal LUCs for Load Lines 1, 2, 3 and 4. The Land Use for these areas was designated as National Guard, Mounted Training (No Digging). Until the remedial process is completed at these four Areas of Concern (AOCs), the Ohio Army National Guard (OHARNG) will ensure land use is maintained as Mounted Training – No Digging (tracked and wheeled vehicle use, no digging beyond 4 feet below ground surface (bgs), exposure of 24 hours/day for 39 days/year for 25 years). Annual inspections are being completed to confirm that the land use is consistent with the requirements of the Interim ROD.

As explained in greater detail in Sections 1.4 and 1.5, annual reports are required for the areas at the former RVAAP that utilize LUCs and remedy components to protect the integrity of an environmental remedy (if present), human health, and the environment by limiting the activities that may occur at those areas.

This report reviewed the following AOCs:

- RVAAP-01 Ramsdell Quarry Landfill,
- RVAAP-05 Winklepeck Burning Grounds,
- RVAAP-08 through 11 Load Lines 1, 2, 3 and 4,
- RVAAP-12 - Load Line 12, and
- RVAAP-51 - Dump Along Paris-Windham Road.

A review of LUCs at Load Line 12 and remedy components at Load Lines 1-4 was completed in 2020 and this is the fourth annual report for those areas. This is the eighth annual LUC report completed for WBG and the sixth annual LUC report for RQL. This is the second annual LUC report for Dump Along Paris-Windham Road.

This annual report is laid out as follows:

Section 1.0 – General introduction to the facility, and a general description of Land Use Controls, monitoring and annual reporting requirements.

Section 2.0 – Annual LUC Monitoring Report for RQL.

Section 3.0 – Annual LUC Monitoring Report for WBG.

Section 4.0 - Annual Monitoring Report for Load Lines 1 – 4

Section 5.0 – Annual LUC Monitoring Report for Load Line 12

Section 6.0 – Annual LUC Monitoring Report for Dump Along Paris-Windham Road

Section 7.0 - Conclusions

Section 8.0 – References



## 1.2 Facility Location

Camp James A. Garfield is located in northeastern Ohio within Portage and Trumbull counties, and is approximately three miles east/northeast of the City of Ravenna and one mile north/northwest of the City of Newton Falls. The facility is approximately 11 miles long and 3.5 miles wide. The facility is bounded by State Route 5, the Michael J. Kirwan Reservoir, and the CSX System Railroad to the south; Garrett, McCormick, and Berry Roads to the west; the Norfolk Southern Railroad to the north; and State Route 534 to the east, as shown in Figure 1. In addition, the facility is surrounded by the communities of Windham, Garrettsville, Charlestown, and Wayland.

**Figure 1.0** Map of Camp James A. Garfield Joint Military Training Center  
(Former Ravenna Army Ammunition Plant)



## 1.3 Facility History

RVAAP was a load, assemble, and pack facility built to produce large-caliber artillery projectiles and bombs. Although RVAAP downsized after World War II, plant production lines were reactivated during the Korean and Vietnam Wars. Additionally, the plant conducted nearly continuous demilitarization of war stocks, refurbishment of inventoried ammunition, and minor research and development projects. By 1992, the installation's status changed from "inactive but maintained" to that of "caretaker."

The Department of Defense established the Installation Restoration Program (IRP) to provide guidance and funding for the investigation and cleanup of potential contamination and past operations caused by historical activities at military installations. The IRP began at RVAAP in 1989. Administrative accountability for the initial acreage of the facility was transferred to the

United States Property and Fiscal Officer (USP&FO) for Ohio in May 1999 with subsequent transfers to follow. To date, administrative accountability for the entire 21,683-acre facility has been transferred to the USP&FO for Ohio and subsequently licensed to OHARNG for use as a military training site, now known as Camp James A. Garfield. The RVAAP restoration program involves cleanup of former production/operational areas throughout the facility related to former activities conducted under the RVAAP. The restoration program is currently managed by the Army National Guard (ARNG) with support from the OHARNG. The facility was renamed from Camp Ravenna to Camp James A. Garfield in October 2018. Camp James A. Garfield/former RVAAP may be used interchangeably throughout this report.

#### **1.4 Land Use Controls, Monitoring, And Reporting Requirements**

All work, plans, and documentation for the RVAAP Restoration Program must be in conformance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) [42 United States Code §9601, *et seq.*], the National Contingency Plan [40 Code of Federal Regulations (C.F.R.) Part 300], and the Director's Final Findings and Orders (DFFOs) [June 10, 2004]. If residual contamination is left in place after the CERCLA remediation process is complete (does not meet unrestricted/residential use standards) and the contamination still poses a potential for unacceptable risks or exceeds cleanup standards, then the Areas of Concern/Munitions Response Sites (AOCs/MRSs) will require LUCs.

LUCs include any physical, legal, or administrative mechanism that places restrictions on the use of, or limits access to, real property to prevent exposure to contaminants at concentrations greater than permissible levels or other safety issues. The intent of using these controls is to protect the integrity of the remedy (if present), human health, and the environment by limiting the activities that may occur at an AOC/MRS. When implemented, these LUCs provide protection to individuals using or working at the AOC/MRS by limiting and/or preventing activities which could potentially result in risks to those individuals. The Army is responsible for controlling land use on active installations such as Camp James A. Garfield and can internally restrict the use of such property. LUCs may include engineering controls such as fences, Seibert markers and signs, or administrative controls such as awareness training and restrictions on use including type of use and duration.

The Property Management Plan (PMP, dated April 2020 and in effect during 2020) identifies LUCs and restrictions for specific AOCs/MRSs at Camp James A. Garfield and provides mechanisms to implement and manage those LUCs. The PMP is required under Army Regulation (AR) 210-20 and satisfies requirements of the DFFOs. The PMP lists general performance objectives of LUCs at Camp James A. Garfield as well as AOC/MRS specific LUCs detailed to address the concerns present on that particular AOC/MRS. According to Section 1.3 of the 2020 PMP, it is the responsibility of the Army to implement, inspect, maintain and enforce LUCs set forth under the RVAAP Restoration Program.

#### **1.5 Annual LUC Inspection and Monitoring Report Requirement**

The PMP requires that the Army conduct an annual inspection of the LUCs to confirm that the LUCs remain effective and still meet the LUC objectives, and requires that the results of the

annual LUC inspection be included in an Annual LUC Monitoring Report to be submitted to the Ohio Environmental Protection Agency (Ohio EPA) for review and approval. The Annual LUC Monitoring Report is required to evaluate the status and effectiveness of LUCs with a description of how LUC deficiencies, including inconsistent land uses, were addressed. The Annual LUC Monitoring Reports will be used in the preparation of the CERCLA 121(c) Five-Year Review. This report presents the LUC monitoring activities that occurred in 2020 for RQL, WBG, Load Line 12, and Dump Along Paris-Windham Road as well as the monitoring of the remedy components at Load Lines 1, 2, 3 and 4.

Additionally, the PMP requires that a written certification will be submitted with the Annual Monitoring Report that states whether or not the LUCs remain in place and are effective. The written certifications for the sites listed above are presented in Section 7.8.

## **SECTION 2.0 ANNUAL LUC MONITORING REPORT FOR RVAAP-01 RAMSDELL QUARRY LANDFILL**

### **2.1 RVAAP-01 Ramsdell Quarry Landfill**

In accordance with the Camp Ravenna/former RVAAP PMP (dated April 2020) and Appendix A-1 and the Final Remedial Design (RD) for Soil and Dry Sediment at RVAAP-01 Ramsdell Quarry Landfill (RQL), a LUC inspection of RQL was conducted by Allan Brillinger (Chenega Tri-Services, LLC) on behalf of the RVAAP restoration program on November 3, 2020. This annual report covers the period of January 2020 through December 2020.

According to LUCs set forth in the *Final Remedial Design for Soil and Dry Sediment at the RVAAP-01 Ramsdell Quarry Landfill*, dated 9 April 2014, and memorialized in the PMP, periodic monitoring of LUCs, in the form of site inspections, is required to be conducted by the Army to confirm that the LUCs remain effective and still meet LUC objectives for continued remedy protectiveness. Site inspections regarding Land Use Controls are required to be conducted on an annual basis. Inspections of the solid waste landfill were conducted in accordance with State of Ohio solid waste regulations in 2020. The required Annual LUC Report is to be submitted to the Ohio EPA for review and approval.

The inspections shall include the following:

- Review of LUC training/inbriefs/maintenance and access logs and other documentation as applicable to RQL.
- Evaluation of activities at RQL to ensure that all activities executed within RQL are in compliance with the established digging restrictions and established exposure limits (Security Guard/Maintenance Worker - one (1) hour/day for 250 days/year for 25 years).
  - All digging or excavation within the quarry bottom is prohibited due to residual asbestos and contamination.
  - Digging and excavation on the landfill cap will be regulated by the post closure care plan and the Ohio solid waste regulations.
  - Due to not meeting the industrial/commercial standard, exposure monitoring for the full-time facility employee must be conducted to ensure and document that exposure at the AOC is not above the established exposure limit set for the Security Guard/Maintenance worker of one (1) hour/day for 250 days/year for 25 years.
- Inspection of warning signs on gates and fencing.
- Inspection of RQL fencing and gates.

LUC deficiencies or inconsistent land uses that are identified must be reported and identified on the inspection form/report and must also be reported to the ARNG/ OHARNG.

## 2.2 LUC Inspection Form for RVAAP-01 Ramsdell Quarry Landfill AOC

### Review of LUCs – Management/Corrective Action

#### Activities and Land Use:

- a) *This AOC is to be managed as Restricted Access and is restricted from residential land use. Has residential use occurred? Have other land uses or land use changes occurred?*

No residential land use has occurred at the RQL. There have been no other land uses or land use changes over the past year.

- b) *What activities have occurred at RQL since last Inspection? Has any maintenance been performed at the AOC?*

The 5-wire tensile fence enclosing three sides of the LUC area was repaired in October 2020. The chain-link fence along the north side of the LUC area was repaired in November 2020. Repair activities were conducted in accordance with solid waste regulations. Annual mowing was conducted for the RQL in September 2020. Groundwater monitoring wells located in the LUC area were painted in January, February, March and June 2020.

Groundwater monitoring activities were conducted at the RQL in 2020 during two semi-annual groundwater sampling events. The Spring sampling event was conducted in April and the Fall sampling event was conducted in September/October.

A contractor and surveyor accessed the site in January and June 2020 for End of Post Closure Certification activities.

- c) *Are activities at RQL being conducted in compliance with established digging restrictions and established exposure limits (exposure for full-time employees who access RQL must be tracked)?*

The activities taking place at RQL are being conducted in accordance with the established digging restrictions. No digging was conducted at RQL in 2020. Personnel exposure is being tracked with Log In sheets that any person entering and exiting the AOC must fill out. The Access Log sheets for 2020 are presented in Appendix A.

- d) *Are the warning signs in place and functional? Please note condition and any deficiencies.*

The warning signs are posted on the RQL LUC fence and gate as required. Signs that read “DANGER – Unauthorized Personnel Keep Out” and “Danger – Asbestos Waste Disposal Site – Do Not Create Dust – Breathing Asbestos is Hazardous to Your Health” are posted on the gates and the LUC fence every 300 feet. The warning signs are intact and in good condition.

- e) *Is the RQL fencing and gates intact and in good condition? Please note condition and any deficiencies.*

The RQL fencing and gate are intact and in good condition. There are no deficiencies with the fence and gates.

### **Inspections and Reporting**

*Inspections are required on an annual basis. Periodic monitoring inspections may be conducted as needed. Are annual inspections being conducted as required? Have any additional inspections been completed?*

The annual LUC inspection was conducted on November 3, 2020. Other inspections in 2020 included quarterly landfill inspections conducted by Chenega Tri-Services, LLC and /or OHARNG as required by the State of Ohio solid waste regulations. Photographs of the RQL LUC area taken during 2020 are presented in Appendix B.

*An Annual Report is required. Has the annual report been completed and submitted to the Ohio EPA?*

Annual LUC Monitoring Reports for RQL were completed in 2015, 2016, 2017, 2018 and 2019. This is the sixth Annual Report being completed for RQL.

### **Training/Inbriefs (as applicable to RQL):**

*Are RQL LUC training and/or inbriefs (for those who need to access RQL) being conducted as applicable? Describe the training (content/who attended/who provided/documentation of training).*

In-person LUC training is normally provided annually to all Camp James A. Garfield staff and tenant units. Due to coronavirus restrictions, virtual training was conducted in October 2020 for the Camp James A. Garfield staff and tenant units. On-site contractors were provided with the training material and were scheduled to complete the training by December 31, 2020. The virtual LUC training was conducted the OHARNG-Environmental staff. The training provided an overview of the history of the facility, the ongoing cleanup work, the location of the cleanup sites, any land use controls/restrictions on AOCs/MRSs, and specific LUC and other restrictions for RQL, as well as other areas at Camp James A. Garfield. Training materials and rosters are on file in the OHARNG Environmental Office. In-person training will be resumed once coronavirus restrictions are lifted. The next scheduled in-person training session is tentatively scheduled for April 2021.

A "Land Use Control (LUC) Brief for Contractors/Personnel" was conducted for all personnel/contractors that entered the RQL AOC. The brief consisted of a review of the RQL site history, the environmental hazards present at the RQL, the LUCs that have been instituted, and the requirements of all personnel that enter the AOC. All personnel that have received the brief sign the briefing form that states that they have been briefed and understand the RQL LUC requirements, and that they will comply with all requirements. The briefing was provided for seven contractors in 2020. The signed briefing forms are kept on file at the OHARNG-Environmental office.



*If training was not provided, explain why and what corrective actions were initiated.*

Not applicable.

*Is access to RQL for full-time employees of the facility being logged in order to track exposure? Please review access logs to ensure exposure is within the established exposure limits.*

Anyone entering the RQL AOC is required to record their name, date and time of entry and egress from RQL on the Access Logs (Appendix A) posted at the entry gate. The established exposure limits for the Security Guard/Maintenance Worker are one (1) hour/day for 250 days/year for 25 years (or 250 hours per year). A review of the Access Logs for 2020 indicate that the most any one worker (GB, a maintenance worker from Vista Sciences Corporation (VSC)) was working inside the RQL AOC was 47.4 hours in 2020. A breakdown of this maintenance worker's time within RQL is as follows: 20.7 hours over 5 days spent conducting fence repairs and groundwater monitoring well maintenance. This worker also spent 26.7 hours over 4 days in 2020 conducting mowing. Therefore, the total exposure in RQL for anyone accessing the AOC did not exceed 250 hours for 2020.

Access Logs have been used to track access at the RQL AOC since 2015. A review of the maximum exposure for anyone accessing the RQL AOC each year from 2015 to 2019 is as follows:

- 2015 – 41 hours
- 2016 – 20 hours
- 2017 – 23.5 hours
- 2018 – 14.75 hours.
- 2019 – 48 hours.

**LUC Violations (if any):**

*Description of any observed/noted LUC violation(s) as identified.* Not applicable.

*Date of Notification of LUC violations (if applicable) to ARNG/OHARNG:* Not applicable.

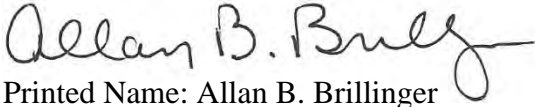
*Description of any corrective actions taken to remedy observed LUC violations or recommended corrective actions:* Not applicable.

**Additional Notes/Comments:**

Several wire connectors that attached several of the 5-wire tensile fence strands to fence posts at various points along were broken, which allowed several of the tensile wire fence strands to sag. Additionally, several of the 5-wire strands were broken and needed to be spliced. These repairs were made in October 2020. A large oak tree fell across the chain-link fence bordering Ramsdell Road and took out about 30 feet of fence in November 2020. The tree was removed and the fence repaired November 18-23, 2020.

Original Inspection Completed by:

Signature:

A handwritten signature in black ink, appearing to read "Allan B. Brillinger". The signature is fluid and cursive, with the first name "Allan" being the most prominent.

Printed Name: Allan B. Brillinger

Title: Program Manager

Organization: Chenega Tri-Services, LLC

Date: November 30, 2020

## SECTION 3.0 ANNUAL LUC MONITORING REPORT FOR WINKLEPECK BURNING GROUNDS

### 3.1 Winklepeck Burning Grounds

In accordance with the Camp Ravenna/former RVAAP Property Management Plan (PMP) dated April 2020 and Appendix A.1, an inspection of RVAAP-05 Winklepeck Burning Grounds was conducted by Allan Brillinger (Chenega Tri-Services, LLC) on behalf of the RVAAP restoration program on November 30, 2020. This annual report covers the period of January 2020 through December 2020.

The annual inspection required by the PMP includes the following:

- Review of LUC training and documentation applicable to WBG.
- Evaluation of activities at WBG to ensure that residential use and groundwater use are not occurring.

### 3.2 LUC Inspection Form for RVAAP-05 Winklepeck Burning Grounds AOC

#### Review of LUCs – Management/Corrective Action

##### 1. Activities and Land Use:

a) *This AOC is restricted from residential land use. Has residential land use occurred?*

No residential land use has occurred at the WBG. The AOC is used for military training. There have been no other land uses or land use changes over the past year.

b) *Groundwater use or extraction of groundwater located at or underlying the WBG AOC or any portion thereof is prohibited, except for the following:*

- *The installation, development, purging and sampling of new or existing monitoring wells in accordance with the most recent facility-Wide Sampling and Analysis Plan (FWSAP) as part of the AOC-specific IRP, the Facility-Wide Ground Water Monitoring Program Plan (FWGWMPP), or the Facility-Wide Groundwater Remedial Investigation.*
- *The modification of existing wells, if necessary, to allow for construction on the range.*
- *The abandonment and replacement of monitoring wells damaged by activities or removed for construction, and abandonment of wells no longer utilized as part of IRP or FWGWMPP activities, in accordance with Ohio EPA guidance, the most recent FWSAP, and applicable Ohio Administrative Code requirements.*

*Have any groundwater activities been conducted and, if yes, are they within the established control parameters?*

Semi-annual groundwater monitoring activities in 2020 were conducted at the WBG. The Spring sampling event was conducted in April and the Fall sampling event was conducted in

September/October. The groundwater sampling was conducted in accordance with the FWGWMPP, and within the LUCs established for WBG.

**2. Inspections and Reporting**

- a) Inspections are required on an annual basis. Are annual inspections being completed?*

The annual LUC inspection was conducted on November 30, 2020. Photographs of the WBG LUC area taken during this inspection are presented in Appendix C.

- b) An Annual Report is required. Has the annual report been completed and submitted?*

The Final 2019 Annual LUC Monitoring Report for WBG was submitted to the Ohio EPA on May 27, 2020.

**3. Training (as applicable to WBG):**

- a) Was LUC training (specific to WBG) being conducted as applicable? Describe the training (content/who attended/who provided/documentation of training).*

In-person LUC training is normally provided annually to all Camp James A. Garfield staff and tenant units. Due to coronavirus restrictions, virtual training was conducted in October 2020 for the Camp James A. Garfield staff and tenant units. On-site contractors were provided with the training material and were scheduled to complete the training by December 31, 2020. The virtual LUC training was conducted the OHARNG-Environmental staff. The training provided an overview of the history of the facility, the ongoing cleanup work, the location of the cleanup sites, any land use controls/restrictions on AOCs/MRSs, and specific LUC and other restrictions for WBG, as well as other areas at Camp James A. Garfield. Training materials and rosters are on file in the OHARNG Environmental Office. In-person training will be resumed once coronavirus restrictions are lifted. The next scheduled in-person training session is tentatively scheduled for April 2021.

- b) If training was not provided, explain why and what corrective actions were initiated.*

Not applicable.

**4. Description of any observed/noted LUC violation(s):**

No LUC violations were noted during the reporting period (January 2020 through December 2020).

**5. Date of Notification of LUC violations (if applicable) to ARNG/OHARNG:**

Not applicable.

**6. Description of any corrective actions taken to remedy observed LUC violations or recommended corrective actions:**

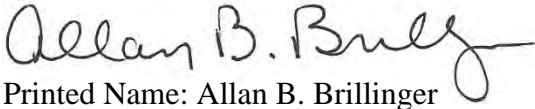
Not applicable.

**7. Additional Notes/Comments:**

None.

Original Inspection Completed by:

Signature:

A handwritten signature in black ink, appearing to read "Allan B. Brillinger". The signature is fluid and cursive, with a large loop at the end.

Printed Name: Allan B. Brillinger

Title: Program Manager

Organization: Chenega Tri-Services, LLC

Date: November 30, 2020

## **SECTION 4.0 ANNUAL MONITORING REPORT FOR LOAD LINES 1, 2, 3 AND 4**

### **4.1 Load Lines 1, 2, 3, and 4**

According to the *Final Interim Record of Decision (ROD) for the Remediation of Soils at Load Lines 1 through 4 at the Ravenna Army Ammunition Plant*, dated January 2007, the selected remedy included soil excavation and the following components:

- Groundwater monitoring to ensure the remedy did not impact groundwater;
- Maintenance of building slabs and foundations; and
- Five-year reviews in accordance with CERCLA 121(c) and 300.430(f)(4)(ii).

The 2007 Interim ROD further indicated that “for the selected remedy, groundwater monitoring will be performed for five years at select existing wells in Load Lines (LL) 1-4 to monitor for potential impacts to groundwater from remedy implementation. Groundwater monitoring data will supplement data from the Facility-Wide Groundwater Monitoring Program. Groundwater samples will be collected semi-annually for the first two years after remedy implementation. The sampling frequency thereafter will be based on the laboratory results. Groundwater samples will be submitted to an environmental chemistry laboratory for analysis of the full suite of constituents (i.e., VOCs, SVOCs, PCBs, pesticides, explosives, propellants and TAL metals). Findings will be evaluated in the context of the Facility-Wide Groundwater Monitoring Program and any action will be determined by the Army, with approval by Ohio EPA. In addition, the concrete slabs and building foundations that remain in place after remediation will be inspected periodically to ensure their integrity has not been compromised allowing infiltration to potentially contaminated soils underneath. The remedial action will be subjected to five-year reviews as part of the CERCLA process to assure that human health and the environment are being protected.” According to the Interim ROD, the intended future use of the AOCs is Mounted Training – No Digging.

Based on the 2007 Interim ROD, the U.S. Army will conduct the following to ensure the components of the selected remedy are met:

- Ensure that groundwater monitoring was conducted for five years after the remedial action was completed in 2007/2008;
- Ensure that building slabs and foundations were maintained and inspected periodically if in place;
- Ensure land use is maintained as Mounted Training – No Digging (tracked and wheeled vehicle use, no digging beyond 4 feet bgs, exposure of 24 hours/day for 39 days/year for 25 years); and
- Conduct five-year reviews as necessary.

The Inspection Form for Load Lines 1, 2, 3 and 4 was assembled in October 2017, and was included as part of the Final PMP in March 2018.



## 4.2 Load Lines 1 – 4 Annual Inspection Form

### **Former RVAAP Inspection Form for RVAAP-08 Load Line 1, RVAAP-09 Load Line 2, RVAAP-10 Load Line 3, and RVAAP-11 Load Line 4 Areas of Concern (AOC)**

In accordance with the Camp Ravenna/former RVAAP PMP (dated April 2020), an annual inspection of RVAAP-08, 09, 10, and 11 (Load Lines 1, 2, 3 and 4) was conducted by Allan Brillinger (Chenega Tri-Services, LLC) on behalf of the RVAAP restoration program on November 23, 2020.

#### **Inspection Form for Load Lines 1, 2, 3 and 4**

##### **1. Activities and Land Use:**

*a. This AOC is to be managed as Mounted Training – No Digging. What activities have occurred at LLI – 4 within the last year? Are the activities within the established use for the AOCs?*

The following activities were conducted at Load Lines 1 – 4 during 2020:

- Two groundwater monitoring well sampling events in April and September/October.
- Groundwater monitoring well maintenance and access road mowing throughout the year.
- Beaver dam removal at Load Line 4 in March.
- Soil excavation for remediation at various locations at Load Lines 1, 2 and 3. Soil excavation activities are ongoing at Load Lines 1, 2 and 3 at the time of this inspection and are planned for Load Line 4.

The sites have not been used for training. Photographs of LL 1 - 4 taken during 2020 are presented in Appendix D.

*b. Are the activities being conducted at LLI – 4 in compliance with established digging restrictions and exposure parameters?*

Remedial Action involving soil excavation, treatment or removal and restoration is currently ongoing at Load Lines 1-4. The Remedial Action is being conducted to allow the site to meet Commercial/Industrial standards for soil and subsurface soil. Additionally, the Load Line 2 Functional Area of the Facility-Wide Sewers Area of Concern (RVAAP-67) was excavated in 2020. This project involved excavation of drainage ditch sediment and removal of lead-impacted storm drainage system-related sediment and piping, and restoring the excavated area with clean soil.

**2. Inspections and Reporting:**

*a. Has a 5-Year Review been completed for this AOC as required?*

Two 5-Year Reviews have been completed for these AOCs. The first 5-Year Review was completed in August 2012 and the second 5-Year Review was completed in June 2017.

**3. Groundwater Monitoring:**

*a. Was groundwater monitoring conducted for 5 years after the remedial action in accordance with the Interim ROD?*

Groundwater monitoring has been performed at least annually at the AOCs since 2005 as part of the Facility-Wide Groundwater Monitoring Program (FWGWMP). The FWGWMP is a coordinated and negotiated program approved by ARNG and the Ohio EPA. The groundwater monitoring well sampling at the AOC is conducted each year in accordance with the FWGWMP.

**4. Concrete Slabs and Building Foundations:**

*a. Were the concrete slabs and building foundations inspected periodically to ensure their integrity has not been compromised allowing infiltration to potentially contaminated soils underneath?*

Not Applicable. Slabs and building foundations have been removed.

**Additional Notes/Comments**

None.

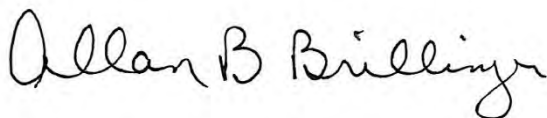
Inspection Completed by:

Date: November 23, 2020

Name/Title: Allan B. Brillinger, Program Manager

Organization: Chenega Tri-Services, LLC

Signature:



## **SECTION 5.0 ANNUAL LUC MONITORING REPORT FOR LOAD LINE 12**

### **5.1 Load Line 12**

According to LUCs set forth in the *Final Remedial Design for the RVAAP-12 Load Line 12*, dated 1 October 2009, and memorialized in the PMP, periodic monitoring of LUCs, in the form of site inspections, is required to be conducted by the Army to confirm that the LUCs remain effective and still meet LUC objectives for continued remedy protectiveness. Site inspections are required to be conducted as necessary but not less than once per year. The required Annual LUC Report is to be submitted to the Ohio EPA for review and approval.

Based on the 2009 RD document, the U.S. Army will implement LUCs to achieve the performance objectives listed below for LL12:

- Maintain the Camp James A. Garfield perimeter fence – Land use of LL12 shall be limited by the maintenance of the existing Camp James A. Garfield perimeter fence which shall be of 6-foot, chain-link fence topped with v-shaped bracket slanting inward and outward with a three-strand barbed wire bracket.
- Restrict future land use to National Guard mounted training – Land use shall be limited to use of LL12 for National Guard mounted training operations. Activities at LL12 shall be limited to the following: tracked and wheeled vehicle operations and associated training activities along with training area development and maintenance, maintaining the integrity of monitoring wells, road and culvert repair, routine ditch maintenance, vegetation management, and compatible natural resources management activities;
- Maintain a LUC training program;
- Limit activities to tracked and wheeled operations that are consistent with the National Guard mounted training scenario and other essential security, safety, and natural resources management activities (National Guard Trainee – Mounted Training - 24 hours/day for 39 days/year for 25 years); and
- Prohibit digging beyond four (4) feet bgs except for routine maintenance of roads, ditches and culverts, and ground surface repairs resulting from maneuver damage.

Therefore, the annual LUC inspection shall include the following (at a minimum):

- Inspection of the Camp James A. Garfield perimeter fence;
- Review of activities at LL12 including exposure timeframes, signage/markers, types of activities performed, and any disturbance/digging activities;
- Review of LUC training program as applicable to LL12;

LUC deficiencies or inconsistent land uses that are identified must be reported and identified on the inspection form/report and must also be reported to the ARNG/OHARNG.

### **5.2 Load Line 12 Annual Inspection Form**

In accordance with the Camp Ravenna/former RVAAP PMP (dated April 2020), a LUC inspection of RVAAP-12 Load Line 12 was conducted by Allan Brillinger and Scott Masciantoni (Chenega Tri-Services, LLC) on behalf of the RVAAP restoration program in November and December 2020, and January 2021.

## **Review of LUCs – Management/Effectiveness/Corrective Action**

### **1. Activities and Land Use:**

- a. This AOC is to be managed as National Guard Trainee - Mounted Training. What activities have occurred at LL12 within the last year? Are the activities within the established limitations of use for the AOC?*

Activities at LL12 in 2020 included the following:

- Groundwater monitoring well sampling and maintenance
- Mowing of access roads
- Beaver dam removal
- An Ohio EPA-approved Remedial Action (RA) was started in November 2020 and completed in January 2021.

The site has not been used for training. Photographs of the LL12 LUC area taken during 2020 are presented in Appendix E.

The Load Line 12 Access Logs are presented in Appendix F, and show the personnel that accessed the site and the activities they were engaged in. The access log was not completed for the soil RA activities due to the continuous access of equipment and RA-contractor personnel over the November 202 through January 2021 time frame. This AOC currently has limited access and the exposure to personnel is within established limitations.

- b. Are the activities being conducted at LL12 in compliance with established digging restrictions and exposure parameters? How is this being tracked and managed?*

An Ohio EPA-approved RA involving soil excavation, treatment or removal and restoration was begun in November at Load Line 12. The Army will submit a separate full report on the RA activities to the Ohio EPA.

- c. Are signage/markers in place to identify areas where the LUCs apply? Are they being maintained?*

Appropriate signage is posted and is intact at the locked Load Line gates limiting access to authorized personnel only.

- d. Is the Camp James A. Garfield perimeter fence and associated gates being maintained in order to be an effective and protective control and deter trespassers?*

The 6-foot high perimeter fence around the former RVAAP facility was inspected in November and December 2020, and January 2021. The defects noted during the 2020 annual perimeter fence inspection are summarized in Appendix G, and shown on the maps in Appendix H.

### **2. Inspections and Reporting:**

- a. Inspections are required on an annual basis. Are annual inspections being conducted as required?*

This is the fourth annual LUC inspection for Load Line 12 and was conducted in November 2020 through January 2021.

- b. An Annual Report is required. Has the annual report been completed and submitted to the Ohio EPA? Did the annual report provide a written certification stating whether or not the LUCs remain in place and effective?*

This is the fourth annual LUC Inspection report for Load Line 12. It contains written certification (see Section 7) stating that the LUCs are in place and effective.

- c. Are the LUCs for LL12 incorporated into the Property Management Plan (PMP) (i.e., map indicating the location and dimensions of the AOC with the LUC location, environmental overlay and appropriate Ohio EPA notice procedures)?*

The LUCs for Load Line 12 have been incorporated into the PMP.

- d. Has a 5-Year Review been completed for this AOC as required?*

Two 5-Year Reviews have been completed for this AOC. The first 5-Year Review was completed in August 2012 and the second 5-Year Review was completed in June 2017.

### **3. Training/Inbriefs (as applicable to LL12):**

- a. Is a LUC training program in place and being conducted as applicable to LL12? Describe the training (content/who attended/who provided/documentation of training).*

In-person LUC training is normally provided annually to all Camp James A. Garfield staff and tenant units. Due to coronavirus restrictions, virtual training was conducted in October 2020 for the Camp James A. Garfield staff and tenant units. On-site contractors were provided with the training material and are scheduled to complete the training by December 31, 2020. The virtual LUC training was conducted the OHARNG-Environmental staff. The training provided an overview of the history of the facility, the ongoing cleanup work, the location of the cleanup sites, any land use controls/restrictions on AOCs/MRSs, and specific LUC and other restrictions for this LUC area, as well as other areas at Camp James A. Garfield. Training materials and rosters are on file in the OHARNG Environmental Office. In-person training will be resumed once coronavirus restrictions are lifted. The next scheduled in-person training session is tentatively scheduled for April 2021.

A "Land Use Control (LUC) Brief for Contractors/Personnel" was conducted for all personnel/contractors that entered the AOC. The brief consisted of a review of the LL 12 site history, the environmental hazards present at LL 12, the LUC s that have been instituted, and the requirements of all personnel that enter the LUC area. All personnel that have received the brief sign the briefing form that states that they have been briefed and understand the LL 12 LUC requirements, and that they will comply with all requirements. The briefing was provided for two contractors (Leidos and Landies), and the contractors involved with the Remedial Action in 2020. The signed briefing forms are kept on file at the OHARNG-Environmental office.

- b. If training was not provided, explain why and what corrective actions were initiated.*

Not Applicable.

**4. LUC Evaluation and Reporting of Violations (if any):**

*a. Are LUCs in place and being effectively managed at LL12?*

Land Use Controls are in place and being effectively managed at Load Line 12.

*b. Were any LUC violations or deficiencies noted?*

No LUC Violations or deficiencies were noted on the LL-12 AOC site. Perimeter fence defects and repairs are summarized in the “2020 Camp James A. Garfield Perimeter Fence Callout/Repair Summary Table” (Summary Table located in Appendix G) and shown on the call-out detail maps in Appendix H.

All of the perimeter fence defects called out during the 2019 inspection have been repaired as of January 14, 2021, except for SW48, SW61, SW62, NE52, NE53 (also listed as callout NE74), NE55 (also listed as NE75), NE57, NE60 and SE07. SW48, SW61 and SW62 and SE07 are culvert washouts. Eight culverts along the perimeter fence are planned to be removed and replaced in 2021. NE52 is damaged as a result of a large beaver dam. NE60, NE53/NE74 and NE55/NE75 are trees that have blown down on the fence, but the fence is still mostly standing.

Photographs of the repairs completed after the 2020 fence inspection will be presented in the 2021 Annual LUC Report (if required).

The callouts in the SE portion of the site observed in November 2020 and prior to that date between mile markers 0.9 and 5.0 have been repaired. This section of the perimeter fence (approximately four miles) have been totally replaced with new wire, poles and pole foundations. The new fence installation was started in December 2020 and finished in January 2021.

**Additional Notes/Comments:**

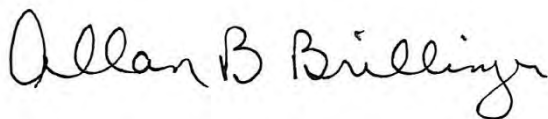
None.

Date: January 15, 2021

Name/Title: Allan B. Brillinger, Program Manager

Organization: Chenega Tri-Services, LLC

Signature:



## **SECTION 6.0 ANNUAL LUC MONITORING REPORT FOR DUMP ALONG PARIS-WINDHAM ROAD**

### **6.1 Dump Along Paris-Windham Road**

According to LUCs set forth in the *Final Remedial Design for Soil at RVAAP-51 Dump Along Paris-Windham Road*, dated 27 February 2019, and memorialized in the PMP, periodic monitoring of LUCs, in the form of site inspections, is required to be conducted by the Army to confirm that the LUCs remain effective and still meet LUC objectives for continued remedy protectiveness. Site inspections are required to be conducted as necessary but not less than once per year. The required Annual LUC Report is to be submitted to the Ohio EPA for review and approval.

Based on the 2019 RD document, the U.S. Army will implement LUCs to achieve the performance objectives listed below for the AOC:

- Prohibit Residential land use at the AOC.
- Install and maintain warning signs and boundary markers (Seibert stakes) along the AOC perimeter. The Seibert stakes and warning signs will be placed at least every 300 feet along the AOC perimeter. The warning signs will alert persons having a need to access the AOC that the location was formerly used to dispose of asbestos-containing materials. The boundary stakes and warning signs will be repaired and replaced as needed, and annual brush clearing conducted to maintain visibility;
- Maintain a LUC training program;
- Prohibit digging at the AOC except for routine ground surface repairs.

### **6.2 Dump Along Paris-Windham Road Annual Inspection Form**

In accordance with the Property Management Plan (PMP), an inspection of RVAAP-51 Dump Along Paris Windham Road was conducted by Allan Brillinger of Chenega Tri-Services, LLC on November 3, 2020.

The annual inspection required by the PMP includes the following:

- Review of LUC training and documentation as applicable to the Dump Along Paris Windham Road.
- Evaluation of activities at the AOC to ensure that residential use and digging is not occurring.
- Inspection of Seibert Stakes and warning signage.
- Inspection of the soil cover.

LUC deficiencies or inconsistent land uses that are identified must be reported and identified on the inspection form and properly reported to the Army National Guard (ARNG)/Ohio Army National Guard (OHARNG).

## **Review of LUCs – Management/Effectiveness/Corrective Action**

### **1. Activities and Land Use**

- a.) This AOC is restricted from residential land use. Has residential use occurred?

No residential land use has occurred at the AOC. There have been no other land uses or land use changes over the past year.

- b.) Digging is prohibited at the AOC. Has digging occurred at the AOC?

No digging was observed or reported to have taken place at the AOC in 2020.

- c.) Warning signs and Seibert Stakes are required at the AOC along the boundary. Are Seibert Stakes and signage present, functional and in good condition? Are they visible (free of vegetation)?

Warning signs and Seibert Stakes are posted along the AOC boundary. The Seibert Stakes and warning signs are present, functional and in good condition. They are visible and free of vegetation. Photographs of the AOC (including Seibert Stakes and warning signs) are presented in Appendix I.

- d.) The soil cover installed after the 2003 soil removal action creates a barrier between the receptor and the residual PAHs and asbestos in the soil. Is the soil cover intact? Is any damage or erosion on the soil cover present?

The soil cover at the AOC is intact. No damage or erosion of the soil cover was observed or noted at the AOC in 2020.

### **2. Inspections and Reporting**

- a.) Inspections are required on an annual basis. Are annual inspections being completed?

The LUCs at the AOC were implemented in 2019. This is the second annual LUC inspection for this AOC.

- b.) An annual report is required. Has the annual report been completed and submitted?

The LUCs at the AOC were implemented in 2019. The Final 2019 Annual Land Use Control Monitoring Report that included the annual LUC inspection report for this AOC was submitted to the Ohio EPA on May 27, 2020.



**3. Training (as applicable to the AOC)**

- a.) Was LUC training (specific to the AOC) being conducted as applicable? Describe the training (content/who attended/who provided/documentation of training).

In-person LUC training is normally provided annually to all Camp James A. Garfield staff and tenant units. Due to coronavirus restrictions, virtual training was conducted in October 2020 for the Camp James A. Garfield staff and tenant units. On-site contractors were provided with the training material and are scheduled to complete the training by December 31, 2020. The virtual LUC training was conducted the OHARNG-Environmental staff. The training provided an overview of the history of the facility, the ongoing cleanup work, the location of the cleanup sites, any land use controls/restrictions on AOCs/MRSs, and specific LUC and other restrictions for this LUC area, as well as other areas at Camp James A. Garfield. Training materials and rosters are on file in the OHARNG Environmental Office. In-person training will be resumed once coronavirus restrictions are lifted. The next scheduled in-person training session is tentatively scheduled for April 2021.

- b.) If training was not provided, explain why and what corrective actions were initiated?

Not applicable.

**4. Description of any observed/noted LUC violation(s):**

LUC violations were not observed or reported during 2020.

**5. Date of Notification of LUC violation (if applicable):**

Not applicable.

**6. Description of any corrective actions taken to remedy observed LUC violation(s) or recommended corrective actions:**

Not applicable.

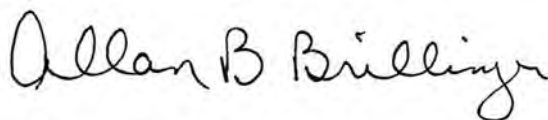
**7. Additional Notes/Comments:**

None.

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**Original Inspection Completed by:**

Signature:



Printed Name: Allan B. Brillinger

Title: Program Manager

Organization: Chenega Tri- Services, LLC

Date: November 3, 2020

## **SECTION 7.0 CONCLUSIONS**

### **7.1 General LUC Training**

The OHARNG provided virtual training to all Camp James A. Garfield staff and tenant units including an overview of the history of the facility, the ongoing cleanup work, the location of the cleanup sites, and any land use controls/restrictions on AOCs/MRSs. All training requirements presented in the PMP were met by the OHARNG in 2020. Training materials and rosters are on file in the Camp James A. Garfield Environmental Office.

### **7.2 Land Use Consistency and Land Use Control Effectiveness at RQL**

The land use at RQL is Restricted Access. Based on the 2020 inspection, there are no inconsistent uses or activities discovered or reported at RQL. All activities conducted within the RQL AOC were performed in compliance with established digging restrictions, and established exposure limits as described in the PMP. This indicates current LUC objectives are being met to ensure the remedy is effective and protective.

A LUC in-brief was provided to all personnel entering RQL. Additionally, annual LUC training was provided to full-time staff and tenant units at the facility.

Land use is consistent with the designated LUCs and LUCs are effective.

### **7.3 Land Use Consistency and Land Use Control Effectiveness at WBG**

The land use at WBG is Commercial/Industrial use. Based on the 2020 inspection, there were no inconsistent uses or activities discovered or reported at WBG. The AOC is being used for military training. No residential use has occurred at the AOC. No groundwater use is occurring at this AOC. Annual LUC training was provided to full-time staff and tenant units at the facility for WBG and other AOCs.

Land use is consistent with the designated LUCs and LUCs are being implemented and are effective.

### **7.4 Land Use Consistency and Remedy Component Monitoring at Load Lines 1, 2, 3 and 4**

Load Lines 1, 2, 3 and 4 were remediated for use as Mounted Training - No Digging for the National Guard Trainee. Based on the 2020 inspection, there were no uses or activities discovered or reported at these AOCs that were inconsistent with the designated use. Approved remedial activities that involve excavation and treatment or disposal of soil was being conducted at the time of the inspection. Load Lines 1, 2, 3 and 4 were not used for military training in 2020. Land use is consistent with the remedies at the site and monitoring is effective.

### **7.5 Land Use Consistency and Land Use Control Effectiveness at Load Line 12**

Load Line 12 was remediated for use as Mounted Training - No Digging for the National Guard Trainee. Based on the 2020 inspection, there were no inconsistent uses or activities discovered or reported at Load Line 12. Approved remedial activities that involve excavation and treatment or disposal of soil was being scheduled to begin in December 2020 at the time of the LUC inspection. The AOC is not currently being used for military training. A LUC in-brief was

provided to all personnel entering LL12. Additionally, annual LUC training was provided to full-time staff and tenant units at the facility.

Land use is consistent with the designated LUCs and LUCs are being implemented and are effective.

#### **7.6 Land Use Consistency and Land Use Control Effectiveness at Dump Along Paris-Windham Road**

The land use at the Dump Along Paris-Windham Road is Commercial/Industrial use with no digging permitted due to residual asbestos. Based on the 2020 inspection, there were no inconsistent uses or activities discovered or reported at the AOC. No residential use has occurred at the AOC and the soil cover is intact. No digging has occurred at the AOC in 2020. Annual LUC training was provided to full-time staff and tenant units at the facility for this and other AOCs.

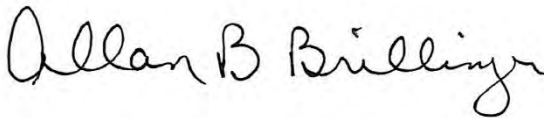
Land use is consistent with the designated LUCs and LUCs have been implemented and are effective.

#### **7.7 Land Use Control Deficiency Corrective Action at RQL, WBG, Load Lines 1 through 4, Load Line 12 and Dump Along Paris-Windham Road**

For Load Line 12, the annual perimeter fence inspection was conducted. Minor defects/deficiencies were noted during the inspection. Repairs for fence defects noted in the 2019 Annual LUC report were completed for most of the defects except for the culvert deficiencies which are beyond the capability of the facility maintenance staff (must be contracted and completed by a construction company). The defects noted for the 2020 annual perimeter fence inspection will be completed by the facility maintenance staff or outside contractors as appropriate. No other deficiencies were identified and therefore no other corrective actions were completed.

#### **7.8 Land Use Control and Remedy Component -Effectiveness Certification**

This certifies that to the best of my knowledge and belief all the information contained in this Annual LUC Monitoring Report is accurate, and that the designated Land Use Controls and/or remedy component monitoring at Ramsdell Quarry Landfill, Winklepeck Burning Grounds, Load Lines 1 through 4, Load Line 12 and Dump Along Paris-Windham Road are in place and remain effective.



\_\_\_\_\_  
(signature)

January 15, 2021

\_\_\_\_\_  
(date)

\_\_\_\_\_  
Allan B. Brillinger  
(printed name)

Program Manager, Chenega Tri-Services, LLC  
(Title).

\_\_\_\_\_  
(signature)

\_\_\_\_\_  
(date)

Kevin M. Sedlak  
(printed name)

RVAAP Restoration Program Manager – Army National Guard Directorate  
(Title).

## **SECTION 8.0 REFERENCES**

### **General**

Ravenna Army Ammunition Plant Restoration Program website: [www.rvaap.org](http://www.rvaap.org)

Final Revised Property Management Plan for the Designated Areas of Concern and Munitions Response Sites, Version 3.0, Former Ravenna Army Ammunition Plant, Camp Ravenna Joint Military Training Center, Portage and Trumbull Counties, Ohio, US Army Corps of Engineers. April, 2020.

Final Property Management Plan for the Designated Areas of Concern and Munitions Response Sites, Volume One – Version 1.0. U.S. Army Corps of Engineers. August 2012.

Director's Final Findings and Orders, Ravenna Army Ammunition Plant. Ohio EPA, June 2004.

### **Ramsdell Quarry Landfill**

Final Remedial Action Report for Soil and Dry Sediment at the RVAAP-01 Ramsdell Quarry Landfill. Leidos. 30 January 2015.

Final Remedial Design for Soil and Dry Sediment at the RVAAP-01 Ramsdell Quarry Landfill. Leidos. 9 April 2014.

Final Record of Decision Amendment for the RVAAP-01 Ramsdell Quarry Landfill at the Ravenna Army Ammunition Plant, Ravenna, Ohio. SAIC. 24 May 2013.

Revised Final Modified Proposed Plan for Soil and Dry Sediment at RVAAP-01 Ramsdell Quarry Landfill at the Ravenna Army Ammunition Plant, Ravenna, Ohio. SAIC 2012. 6 June 2012.

Revised Final Remedial Design for the RVAAP-01 Ramsdell Quarry Landfill at Ravenna Army Ammunition Plant. SAIC. 17 June 2010.

### **Winklepeck Burning Grounds**

Final Remedial Action Completion Report for the Soil Removal Remedy at RVAAP-05 Winklepeck Burning Grounds. Tetra Tech. February 2018.

Final Remedial Design Supplement Soil Removal Action at RVAAP-05 Winklepeck Burning Grounds. Tetra Tech. 30 June 2016.

Final Remedial Design for the Post-ROD Changes to the Remedy at RVAAP-05 Winklepeck Burning Grounds, Former Ravenna Army Ammunition Plant/Camp Ravenna. USACE. 27 August 2015.

Final Record of Decision for Soil and Dry Sediment at RVAAP- 05 Winklepeck Burning Grounds at Ravenna Army Ammunition Plant. SAIC. Aug 2008.

Proposed Plan for the Winklepeck Burning Grounds, Ravenna Army Ammunition Plant, Ravenna, Ohio. SAIC. Dec 2005.

#### **Load Lines 1, 2, 3 and 4**

Final Revised Interim Record of Decision for the Remediation of Soils at RVAAP-08, 09, 10, and 11 Load lines 1 – 4. Shaw Environmental; USACE. 18 January 2007.

Final Proposed Plan for the Remediation of Soils at Load Lines 1 through 4 at the Ravenna Army Ammunition Plant Ravenna, Ohio, July 2005.

#### **Load Line 12**

Final Proposed Plan for Wet Sediment and Surface Water at RVAAP 12 Load Line 12. Leidos. 9 November 2017.

Final Remedial Design for RVAAP-12 Load Line 12 at Ravenna Army Ammunition Plant, October 2009.

Final Record of Decision for Soil and Dry Sediment at RVAAP-12 Load Line 12. SAIC Engineering of Ohio. 14 April 2009.

#### **Dump Along Paris-Windham Road**

Final Remedial Design for Soil at RVAAP-51 Dump Along Paris-Windham Road. Chenega/USACE. February 2019.

Final Record of Decision for Soil, Sediment and Surface Water at RVAAP-51 Dump Along Paris-Windham Road. USACE. September 2017.

Final Proposed Plan for Soil, Sediment, and Surface Water for RVAAP-51 Dump Along Paris-Windham Road. SAIC/USACE. September 2016.

## **Appendix A**

### **2020 RVAAP-01 RQL Access Logs**

Sign In/Out Sheet for Ramsdell Quarry Landfill – Please sign in and out when entering and exiting the Ramsdell Quarry Landfill.  
Please also note what activities were performed and what areas of the AOC were accessed.

Name/Company	Date	Time In	Time Out	Description of Activities Performed (i.e., mowing, gw sampling, etc)	Areas Accessed (please choose and check)
Brad Kline, OHARNG	1/6/20			Site Visit	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input checked="" type="checkbox"/> Landfill cap
Katie Tait, OHARNG	1/6/20			Site Visit	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input checked="" type="checkbox"/> Landfill cap
John Zampino	1/6/20			Site Visit	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input checked="" type="checkbox"/> Landfill cap
Tom Barzyk	1/6/20			Site Visit	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input checked="" type="checkbox"/> Landfill cap
Kelly Beavers	1/6/20			Site Visit	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input checked="" type="checkbox"/> Landfill cap
VISTA	1/7	12:20	4:00	Well Repair	<input type="checkbox"/> Quarry bottom <input checked="" type="checkbox"/> Groundwater monitoring wells <input type="checkbox"/> Landfill cap
VISTA	1/8	1:10	4:15	" "	<input type="checkbox"/> Quarry bottom <input checked="" type="checkbox"/> Groundwater monitoring wells <input type="checkbox"/> Landfill cap
VISTA	1/9	1:30	3:20	" "	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input type="checkbox"/> Landfill cap



Sign In/Out Sheet for Ramsdell Quarry Landfill – Please sign in and out when entering and exiting the Ramsdell Quarry Landfill.  
Please also note what activities were performed and what areas of the AOC were accessed.

Name/Company	Date	Time In	Time Out	Description of Activities Performed (i.e., mowing, gw sampling, etc)	Areas Accessed (please choose and check)
Brad Kline, OHARNG	1/13/2020	0945	1045	RQL Quarterly Visit	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input checked="" type="checkbox"/> Landfill cap
Mary Helen Smith Portage County Health District	1/13/2020	0945	1045	RQL Quarterly Visit	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input checked="" type="checkbox"/> Landfill cap
Justin Redman Portage County Health District	1/13/2020	0945	1045	RQL Quarterly Visit	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input checked="" type="checkbox"/> Landfill cap
Al Brillinger Chenega	1/15/2020	10:50	11:20	RQL Quarterly Insp.	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input checked="" type="checkbox"/> Landfill cap
Ryan Laurich LEIDOS	4/15/2020	0815	0940	ANNUAL GW GAUGING EVENT	<input type="checkbox"/> Quarry bottom <input checked="" type="checkbox"/> Groundwater monitoring wells <input type="checkbox"/> Landfill cap
Ryan Laurich LEIDOS	4/21/2020	0845	1345	GWS	<input type="checkbox"/> Quarry bottom <input checked="" type="checkbox"/> Groundwater monitoring wells <input type="checkbox"/> Landfill cap
GABBY GROMOSKY LEIDOS	4/22/2020	0800	1030	GWS	<input type="checkbox"/> Quarry bottom <input checked="" type="checkbox"/> Groundwater monitoring wells <input type="checkbox"/> Landfill cap
Ryan Laurich LEIDOS	4/22/2020	0855	1000	GWS	<input type="checkbox"/> Quarry bottom <input checked="" type="checkbox"/> Groundwater monitoring wells <input type="checkbox"/> Landfill cap



Sign In/Out Sheet for Ramsdell Quarry Landfill – Please sign in and out when entering and exiting the Ramsdell Quarry Landfill.  
Please also note what activities were performed and what areas of the AOC were accessed.

Name/Company	Date	Time In	Time Out	Description of Activities Performed (i.e., mowing, gw sampling, etc)	Areas Accessed (please choose and check)
Al Brillinger	8-27 2020	10:15	11:00	QUARTERLY INSPECTION	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input type="checkbox"/> Landfill cap
R. Schpritzl	4/28/20	1420	1450	Monitoring Wells/Inspection	<input type="checkbox"/> Quarry bottom <input checked="" type="checkbox"/> Groundwater monitoring wells <input type="checkbox"/> Landfill cap
Katie Tait	6/8/20	0730	0745	Landfill Survey	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input checked="" type="checkbox"/> Landfill cap
Ron Grady	6/8/20	0730	3:30	Landfill Survey	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input checked="" type="checkbox"/> Landfill cap
Ron Grady	6/9/20	7:15	1530	Landfill Survey	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input type="checkbox"/> Landfill cap
Carl <del>3</del>	6/9/20	7:15	1530	Land fill Survey	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input type="checkbox"/> Landfill cap
Ron Grady	6/12/20	8:00	3:00	Landfill Survey	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input type="checkbox"/> Landfill cap
Zach Kesler	9/8/20	9:20	15:30	mowing	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input type="checkbox"/> Landfill cap

Sign In/Out Sheet for Ramsdell Quarry Landfill – Please sign in and out when entering and exiting the Ramsdell Quarry Landfill.  
Please also note what activities were performed and what areas of the AOC were accessed.

Name/Company	Date	Time In	Time Out	Description of Activities Performed (i.e., mowing, gw sampling, etc)	Areas Accessed (please choose and check)
GARY B. VISTA S.	9-8-20	09:15	15:40	mowing	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input checked="" type="checkbox"/> Landfill cap
GARY B. } ZACH K. } VISTA	9-9-20	08:40	15:35	mowing	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input checked="" type="checkbox"/> Landfill cap
ZACH K. GARY B. VISTA S.	9-10-20	06:13	15:50	mowing + TRIMMING	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input checked="" type="checkbox"/> Landfill cap
GARY B. } ZACH K. } VISTA	9-14-20	09:45	15:40	" "	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input type="checkbox"/> Landfill cap
Al Brillinger Chenega	9-22-20	11:20	12:30	quarterly inspection	<input checked="" type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input checked="" type="checkbox"/> Landfill cap
Brad Klim	9-22-20	11:20	12:30	Quarterly Inspection	<input checked="" type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input checked="" type="checkbox"/> Landfill cap
Ray Bell	9-22-20	11:30	12:30	Quarterly Inspection	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input type="checkbox"/> Landfill cap
Justin Reckwerh	9-22	11:30	12:30	Quarterly Inspection	<input checked="" type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input checked="" type="checkbox"/> Landfill cap



Sign In/Out Sheet for Ramsdell Quarry Landfill – Please sign in and out when entering and exiting the Ramsdell Quarry Landfill.  
Please also note what activities were performed and what areas of the AOC were accessed.

Name/Company	Date	Time In	Time Out	Description of Activities Performed (i.e., mowing, gw sampling, etc)	Areas Accessed (please choose and check)
GABBY GROMOSKY LEIDOS	09/30/20	0810	1330	GW SAMPLING	<input type="checkbox"/> Quarry bottom <input checked="" type="checkbox"/> Groundwater monitoring wells <input type="checkbox"/> Landfill cap
GABBY GROMOSKY LEIDOS	10/1/20	1100	1455	GW SAMPLING	<input checked="" type="checkbox"/> Quarry bottom <input checked="" type="checkbox"/> Groundwater monitoring wells <input type="checkbox"/> Landfill cap
Khan Lamm LEIDOS	10/1/20	1218 1225 <small>for 10/1/20</small>	1225	GWS	<input type="checkbox"/> Quarry bottom <input checked="" type="checkbox"/> Groundwater monitoring wells <input type="checkbox"/> Landfill cap
Al Brillinger Chenega	11/3/20	1020	1110	quarterly inspection	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input checked="" type="checkbox"/> Landfill cap
Andy Bell	11/3/2020	11:15	11:10	Quarterly inspection	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input checked="" type="checkbox"/> Landfill cap
Brian Khan CHARNEC	11/3/2020	1015	11:10	Quarterly Inspection	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input checked="" type="checkbox"/> Landfill cap
Justin Richman	11/5/20	1015	11:10	Quarterly	<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input type="checkbox"/> Landfill cap
					<input type="checkbox"/> Quarry bottom <input type="checkbox"/> Groundwater monitoring wells <input type="checkbox"/> Landfill cap

## **Appendix B**

### **2020 RVAAP-01 RQL Photographs**





Main gate at Ramsdell Quarry Landfill.



Southern portion of Ramsdell Quarry Landfill, looking east from the southwest portion of the site.





Southern 5-wire tensile fence at Ramsdell Quarry Landfill, looking east.



Eastern portion of Ramsdell Quarry Landfill as seen from the southeastern portion of the site.

## **Appendix C**

### **2020 RVAAP-05 WBG Photographs**



2020 Winklepeck Burning Grounds photographs



Winklepeck Burning Grounds George Road (south) gate.



Winklepeck Burning Grounds field, looking west from south-central portion of the site.

2020 Winklepeck Burning Grounds photographs



Winklepeck Burning Grounds field, looking north from the central portion of the site.



Winklepeck Burning Grounds field, looking east from the south-central portion of the site.

## **Appendix D**

### **2020 RVAAP 8-11 Load Lines 1, 2, 3 and 4 Photographs**



2020 Load Lines 1, 2, 3 and 4 photographs



Load Line 1 soil remediation structures.



Load Line 1 field, from central western portion of the site looking north.



2020 Load Lines 1, 2, 3 and 4 photographs



Load Line 2 field, replaced culvert on southern access road.



Load Line 2 field, from central portion of the site looking north.



2020 Load Lines 1, 2, 3 and 4 photographs



Load Line 3 field, from southeast portion of the site looking north.



Load Line 3 field, area excavated for ongoing soil remediation in the central portion of the site.



2020 Load Lines 1, 2, 3 and 4 photographs



Load Line 4 field, from northern access road looking south.



Load Line 4 field, from the central portion of the site looking north.

## **Appendix E**

### **2020 RVAAP-12 Load Line 12 Photographs**



2020 Load Line 12 photographs



Load Line 12, looking south from the north gate.



Load Line 12, from the north-central portion of the site looking south.



2020 Load Line 12 photographs



Load Line 12, from the central portion of the site looking south.



Load Line 12, from the south-central portion of the site looking towards the southern gate.

## **Appendix F**

### **2020 RVAAP-12 Load Line 12 Access Logs**



# LOAD LINE 12

Sign In/Out Sheet for Load Line 12 - Please sign in and out when entering and exiting Load Line 12. Please also note what activities were performed and what areas of the AOC were accessed.

Printed Name/Company	Date	Time In	Time Out	Description of Activities Performed (i.e. mowing, GW Sampling/Maint. Training, etc.)	Areas Accessed
Brian Riley, OHARNG Katie Tait, OHARNG Kevin Sedlak, ARNG	1/15/20	11:45 AM	12:10 PM	Look at future RA areas to tally trees to be cut/removed	FF19/Active Channel
Landies	2/13/20	10:10	11:15	Beaver extraction	
Landies	2/14/20	9:50	10:45	" "	
Ladies	2/15/20	10:30	11:00	" "	
Landies	2/16/20	9:35	10:15	" " Done	
Kevin Sedlak ARNG	3/4/20	0738	0900	Survey	All
Danuit Teale/CH2M	3/4/20	1230	15:23	Survey	All
MICHAEL KERR NORR & ASSOC	3/4/20	1230	15:23	SURVEY	All
Roger Richter - Iron Creek Chad Belenky - Iron Creek Andrew Whitmore - Lumberjack Oscar Allen - Lumberjack	3/4/20	13:20	15:23	Tree cutting	All

# LOAD LINE 12

Sign In/Out Sheet for Load Line 12 - Please sign in and out when entering and exiting Load Line 12. Please also note what activities were performed and what areas of the AOC were accessed.

Printed Name/Company	Date	Time In	Time Out	Description of Activities Performed (i.e. mowing, GW Sampling/Maint. Training, etc.)	Areas Accessed
Kevin Sedlak ARNG	3/5/20	0730	0930	Survey	
Michael Kral Neff & Assoc	3/5/20	0730	10:05	Survey	
Brad Learn Neff & Assoc	3/5/20	0730	10:05	Survey	
Dawit Teclé CH2M	3/5/20	0730	10:05	Survey	
Brad Learn Neff & Assoc	3/5/20 1330	1330 1500	15:00	Survey	
Michael Kral Neff & Assoc	3/5/20	13:30	15:00	Survey	
Dawit Teclé CH2M	3/5/20	1330	15:00	Survey	
Gary B. VSC	3/9/20	2:10	4:20	Beaver Dams	
Gary B Jake T / Vista	3/10/20	10:00	13:15	Brushcut	

# LOAD LINE 12

Sign In/Out Sheet for Load Line 12 - Please sign in and out when entering and exiting Load Line 12. Please also note what activities were performed and what areas of the AOC were accessed.

Printed Name/Company	Date	Time In	Time Out	Description of Activities Performed (i.e. mowing, GW Sampling/Maint. Training, etc.)	Areas Accessed
GARY B. / VISTA	3/11/20	12:40	16:20	Brush cut & Beaver Dam Removal	
A. Brillinger Chenega	3/12/20	11:00	11:25	Beaver Dams	
GARY B / VISTA	3/12/20	12:15	15:20	Beaver Dams	
Kevin Sedlak / NGB Al Brillinger / Chenega	3/18/2020	10:45	11:00	check Beaver Dams	
GARY B VISTA	3/31/20	12:10	15:20	check wells	
Rich Sprinz Leidos	4/15/20	12:15	15:35	GW well gauging	
Ryan Lamm Leidos	4/20/20	0856	1415	FWGWS	
Ryan Lamm Leidos	4/28/20	0820	1130	FWGWS	
Rich Sprinz/ LEIDOS	4/30/20	0840	1005	Surface Water Recon	



# LOAD LINE 12

Sign In/Out Sheet for Load Line 12 - Please sign in and out when entering and exiting Load Line 12. Please also note what activities were performed and what areas of the AOC were accessed.

Printed Name/Company	Date	Time In	Time Out	Description of Activities Performed (i.e. mowing, GW Sampling/Maint. Training, etc.)	Areas Accessed
Jalco Homes/Vista	6/16	10:15am	1:30	Point wells	All
GARY B. VISTA 5.	8/13	11:00	15:30	mowing	all
GARY B. VISTA 5,	8/17	13:00	15:50	"	well/all
GARY B, VISTA 5,	8/25	9:30	15:40	"	"
Zach Kester Vista	9/24	13:00	15:30	Weed eating wells	All
Danielle Anderson Leidos	9/30	8:20	12:20	GW sampling	all
Zach Kester Zach Z Vista	11/3	9:40	10:02	<del>Survey for</del> Looking for Downed trees	A
Al Brillinger	11/23 2020	11:00	11:30	Annual LUC inspection	

**Appendix G**

**RVAAP-12 Load Line 12**

**2020 Perimeter Fence Defect Call Outs Identified and  
Repaired**



**2020 CAMP JAMES A. GARFIELD PERIMETER FENCE CALLOUT/REPAIR SUMMARY TABLE**

**Load Line 12 2020 Annual Land Use Control Inspection**

<b>CALLOUT</b>	<b>DATE DISCOVERED</b>	<b>COMMENTS</b>	<b>REPAIR DATE (if reported)</b>	<b>Perimeter Fence Mile Marker</b>	<b>CALLOUT</b>
SW48	7/11/2017	washout at culvert		0.40	SW48
SW61	12/26/2019	washout at culvert		0.60	SW61
SW62	12/26/2019	washout at culvert		0.80	SW62
SW63	12/26/2019	Poacher hole	New fencing installed (Dec. 2020 - Jan. 2021)	1.10	SW63
SW64	12/26/2019	Poacher hole	New fencing installed (Dec. 2020 - Jan. 2021)	2.80	SW64
SW65	12/26/2019	Poacher hole	New fencing installed (Dec. 2020 - Jan. 2021)	3.25	SW65
SW66	12/27/2019	Poacher hole	New fencing installed (Dec. 2020 - Jan. 2021)	4.45	SW66
SW67	12/27/2019	Poacher hole	New fencing installed (Dec. 2020 - Jan. 2021)	4.8	SW67
SW67a	12/27/2019	Poacher hole	Repaired; date not reported	5.21	SW67a
SW68	12/27/2019	Poacher hole	Repaired; date not reported	5.98	SW68
SW69	12/27/2019	Poacher hole	Repaired; date not reported	7.2	SW69
SW70	12/27/2019	Poacher hole	Repaired; date not reported	9.25	SW70
SW71	11/12/2020	Poacher hole		7.66	SW71
SW72	11/12/2020	Poacher hole		7.7	SW72
SW73	11/12/2020	Poacher hole		8.2	SW73
SW74	11/12/2020	Poacher hole		8.5	SW74
SW75	11/10/2021	Broken fence	New fencing installed (Dec. 2020 - Jan. 2021)	1.53	SW75
SW76	11/10/2020	Tree on fence	New fencing installed (Dec. 2020 - Jan. 2021)	2.98	SW76
SW77	11/10/2020	Poacher hole	New fencing installed (Dec. 2020 - Jan. 2021)	3.2	SW77
SW78	11/10/2020	Poacher hole	New fencing installed (Dec. 2020 - Jan. 2021)	3.2	SW78
SW79	11/10/2020	Fence damage	New fencing installed (Dec. 2020 - Jan. 2021)	3.49	SW79
SW80	11/10/2020	Fence damage		5.1	SW80
SW81	11/10/2020	Poacher hole		5.14	SW81
SW82	11/10/2020	Fence damage/poacher hole		5.46	SW82

**2020 CAMP JAMES A. GARFIELD PERIMETER FENCE CALLOUT/REPAIR SUMMARY TABLE**

**Load Line 12 2020 Annual Land Use Control Inspection**

<b>CALLOUT</b>	<b>DATE DISCOVERED</b>	<b>COMMENTS</b>	<b>REPAIR DATE (if reported)</b>	<b>Perimeter Fence Mile Marker</b>	<b>CALLOUT</b>
SW83	11/10/2020	Fence damage/poacher hole		5.75	SW83
SW84	11/11/2020	Fence damage/poacher hole		4.33	SW84
NW23	12/30/2019	Poacher hole	Repaired; date not reported	10.70	NW23
NW24	11/16/2020	Tree on fence		8.58	NW24
NW25	11/16/2020	Tree on fence		8.96	NW25
NW26	11/16/2020	Tree on fence		9.37	NW26
NW27	11/16/2020	Tree on fence		9.62	NW27
NW28	11/16/2020	Tree on fence		11.45	NW28
NW29	11/16/2020	Tree on fence		13.25	NW29
NE52	12/28/2018	beaver dam		23.70	NE52
NE54	12/28/2018	tree blow down on fence	Repaired; date not reported	22.90	NE54
NE56	12/28/2018	Poacher hole	Repaired; date not reported	23.65	NE56
NE57	1/6/2020	fence removed for culvert repair		18.75	NE57
NE58	1/6/2020	Poacher hole	Repaired; date not reported	19.60	NE58
NE59	1/6/2020	Poacher hole	Repaired; date not reported	19.90	NE59
NE60	1/7/2020	tree blow down on fence		21.80	NE60
NE62a	11/17/2020	Tree on fence		18.64	NE62a
NE65	11/17/2020	Tree on fence		19.35	NE65
NE66	11/17/2020	Tree on fence		19.97	NE66
NE67	11/17/2020	Tree on fence		20.02	NE67
NE68	12/10/2020	Tree on fence		21.50	NE68
NE69	12/15/2020	Tree on fence		21.84	NE69
NE70	11/17/2020	Fence down		18.81	NE70
NE73	12/15/2020	Tree on fence		21.69	NE73
NE74/NE53	12/28/2018	tree blow down on fence		22.82	NE74/NE53
NE75/NE55	12/28/2018	tree blow down on fence		23.04	NE75/NE55
NE76	12/15/2020	Tree on fence		23.57	NE76
SE07	12/31/2018	washout at culvert		25.07	SE07
SE08	12/15/2020	washout at culvert		25.30	SE08
SE09	12/15/2020	tree on fence		25.08	SE09
SE10	12/15/2020	tree on fence		24.68	SE10

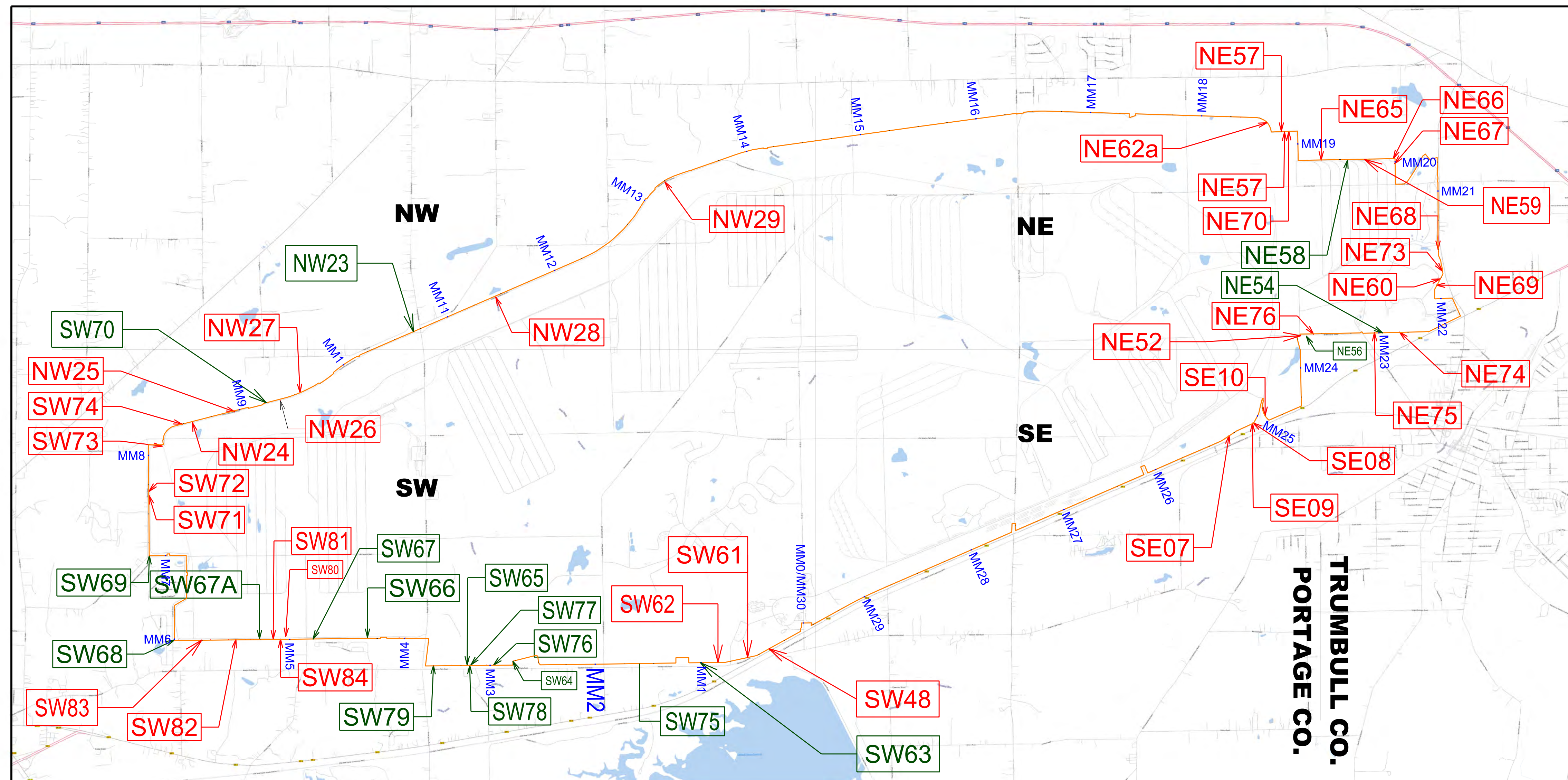
REPAIRED since previous fence inspection in January 2020/December 2019

## **Appendix H**

### **2020 RVAAP-12 Load Line 12 Land Use Control Index and Call-out Detail Maps**



# LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION



## FIGURE 1 INDEX MAP TO FACILITY PERIMETER FENCE INSPECTION

SEE ATTACHED SUMMARY TABLE AND DETAIL SHEETS FOR EACH DESIGNATED CALLOUT LOCATION

LEGEND:

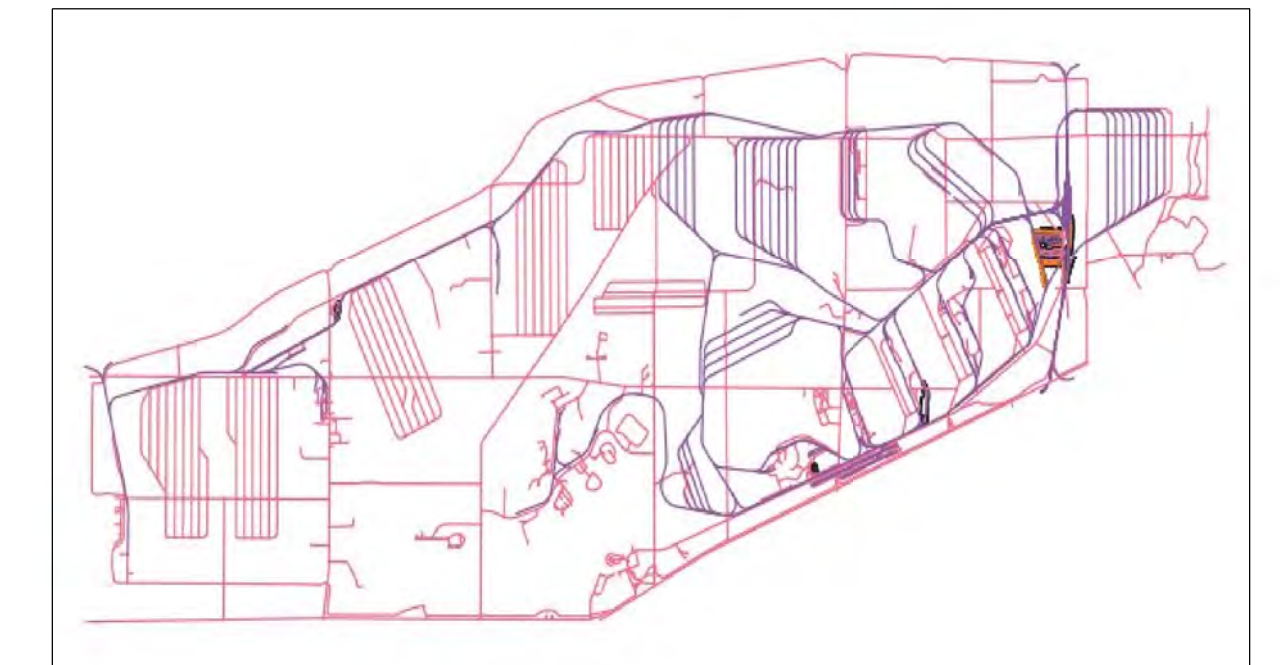
———— = PERIMETER FENCE EVALUATED

 = OPENING IN FENCE GREATER THAN 2'

○ = REPAIRED

 = FENCE LINE MILE MARKER

## CAMP JAMES A GARFIELD



## Portage & Trumbull County LOCATION MAP

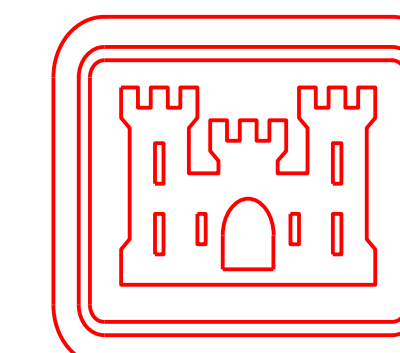


## Ohio Army National Guard



## Ohio

Produced in December 2020 for:



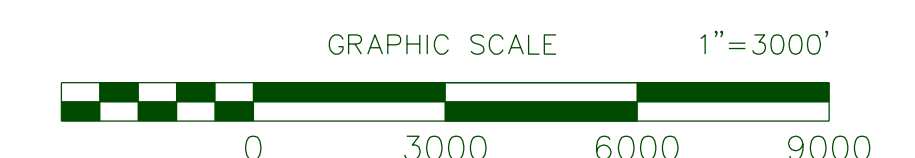
**US Army Corps  
of Engineers**

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

## Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

Coordinates shown hereon are referenced to NAD83,  
Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North

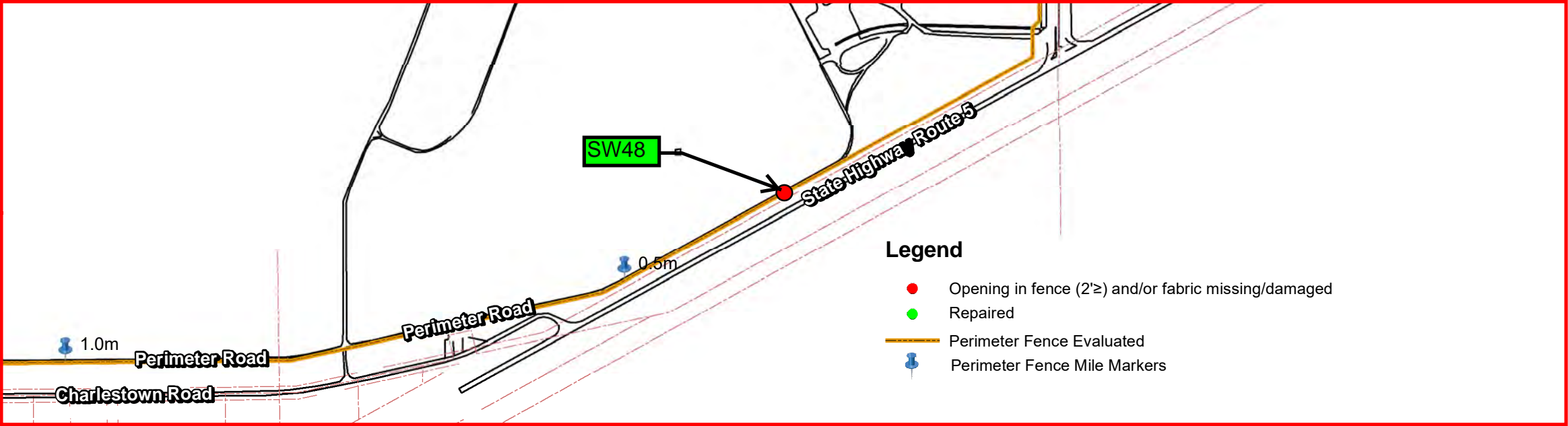


THIS MAP IS INTENDED TO DISPLAYED and/or PLOTTED @ 1"=3000'  
on a 22"x34" Page, or PLOTTED HALF SIZE with a scale of 1"=1500'





DETAIL SHEET FOR SW48



LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

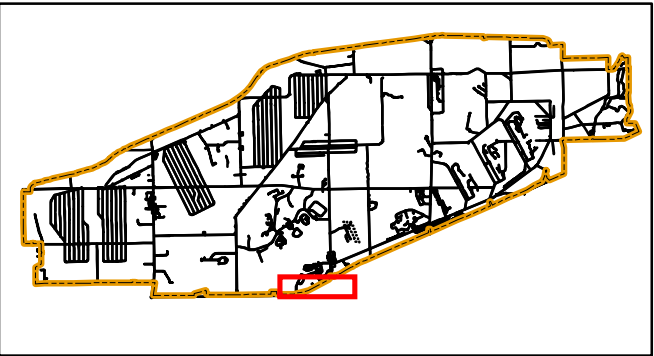
UPDATED PHOTO SW48 1/14/2021



PHOTO SW48 discovered 7/11/2017



Camp James A. Garfield  
Joint Military Training Center



Portage & Trumbull County  
**LOCATOR MAP**



Ohio Army National Guard



Produced in January 2021 for:



**US Army Corps of  
Engineers**

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

Louisville District



Projection Datum is NAD83, Ohio State  
Plane Rectangular Grid, North Zone

0 300 600 1,200 1,800 Feet  
Bar Scale in Feet



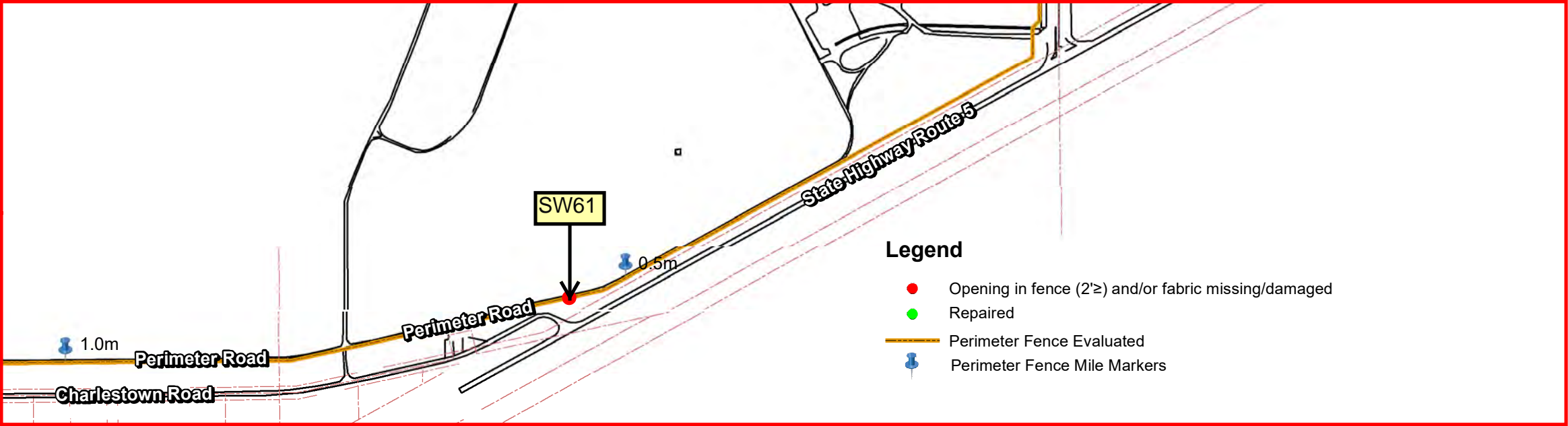
Camp James A. Garfield JMTC  
1438 State Route 534 SW  
Newton Falls, OH 44444

MGRS 17T NF01946150 (NAD83)

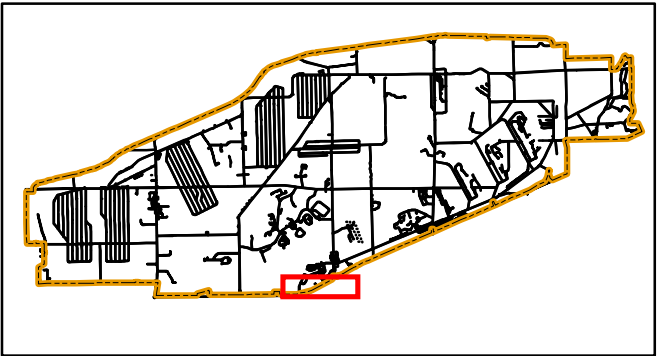
DETAIL SHEET FOR SW48



DETAIL SHEET FOR SW61



Camp James A. Garfield  
Joint Military Training Center



Portage & Trumbull County  
**LOCATOR MAP**



Ohio Army National Guard



LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

UPDATED PHOTO on 1/15/2021



PHOTO SW61 discovered 12/26/2019



Produced in January 20121 for:



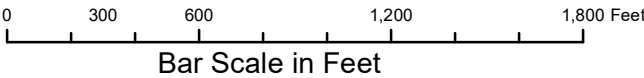
**US Army Corps of  
Engineers**

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

Louisville District



Projection Datum is NAD83, Ohio State  
Plane Rectangular Grid, North Zone



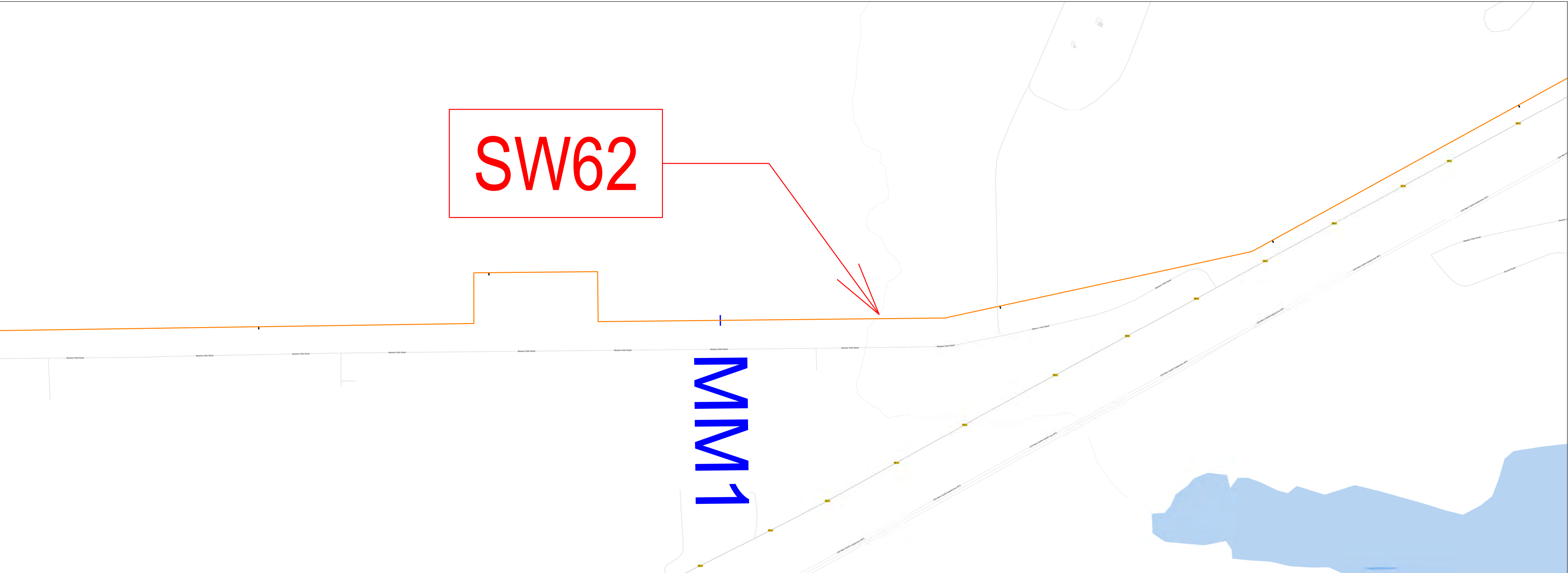
Camp James A. Garfield JMTC  
1438 State Route 534 SW  
Newton Falls, OH 44444

MGRS 17T NF01946150 (NAD83)

DETAIL SHEET FOR SW61



# DETAIL SHEET FOR SW62



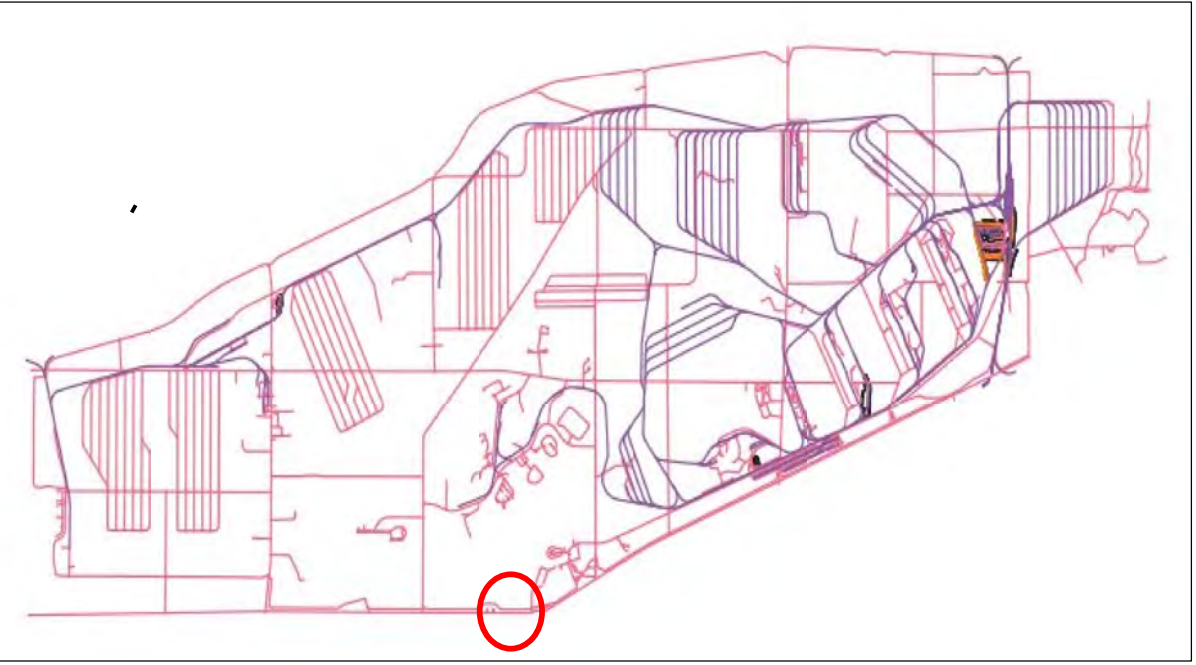
Washout at Culvert Mile 0.86

Photo Taken December 26, 2019



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

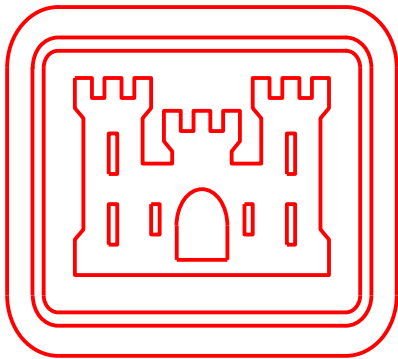


Ohio Army National Guard



Ohio

Produced in December 2020 for:



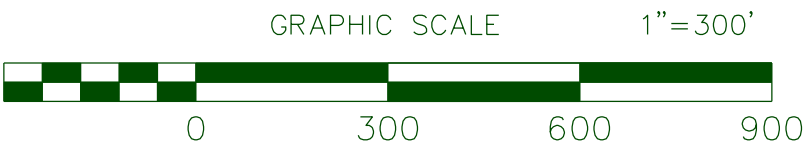
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

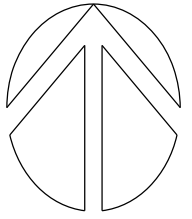
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

Coordinates shown hereon are referenced to NAD83,  
Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



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on a 22"x34" Page. When Plotting at half size, being 11"x17", scale will be 1"= 600'

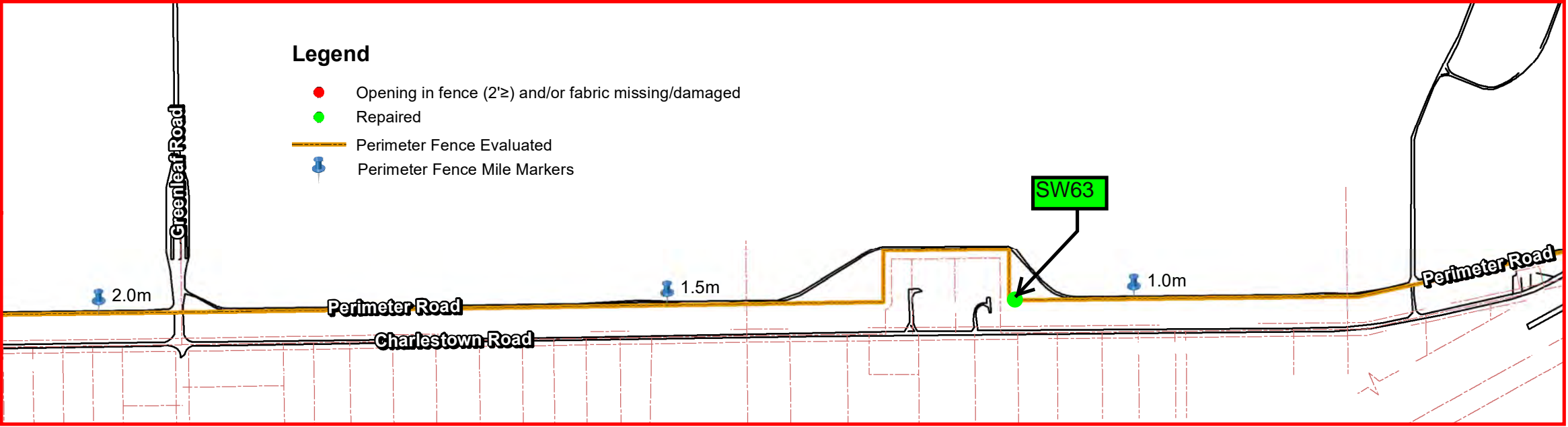


## LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

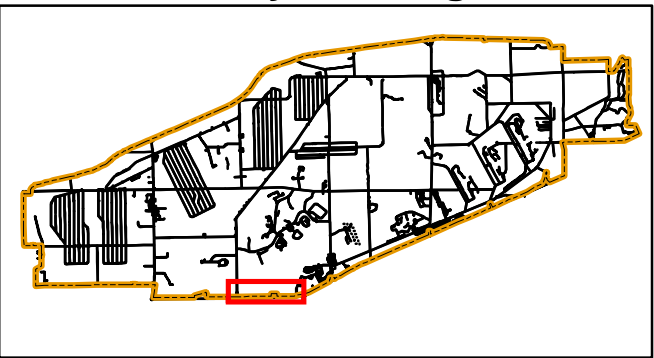
DETAIL SHEET FOR SW62



DETAIL SHEET FOR SW63



Camp James A. Garfield  
Joint Military Training Center



Portage & Trumbull County  
**LOCATOR MAP**



Ohio Army National Guard



LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

FENCE UNDERGOING TOTAL REPLACEMENT AS OF 1/14/2021



PHOTO SW63 discovered 12/26/2019



Produced in January 2020 for:



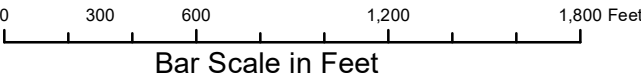
**US Army Corps of  
Engineers**

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

Louisville District



Projection Datum is NAD83, Ohio State  
Plane Rectangular Grid, North Zone



Camp James A. Garfield JMTc  
1438 State Route 534 SW  
Newton Falls, OH 44444

MGRS 17T NF01946150 (NAD83)

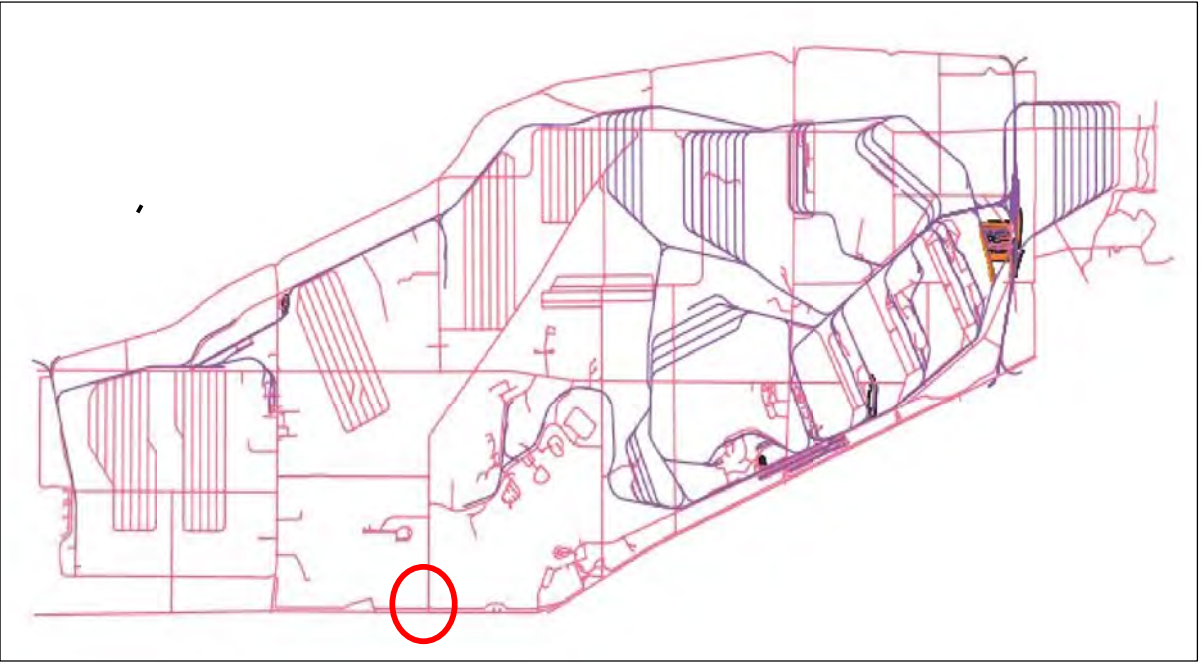
DETAIL SHEET FOR SW63



# DETAIL SHEET FOR SW64



## CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

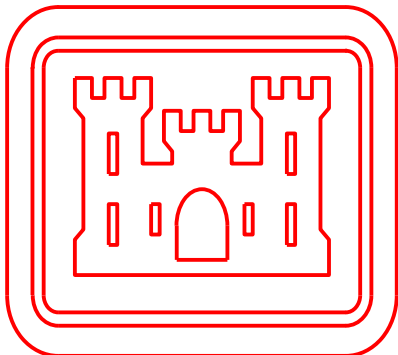


Ohio Army National Guard



Ohio

Produced in December 2020 for:



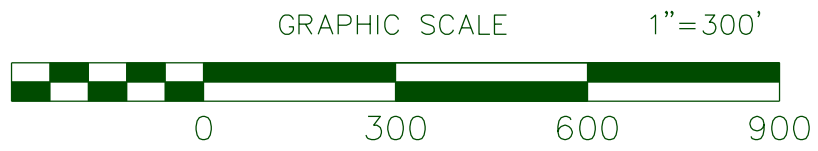
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

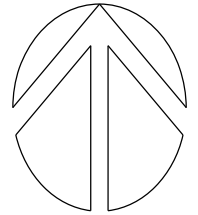
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Services, LLC

Coordinates shown hereon are referenced to NAD83,  
Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



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Poacher Hole at Mile 2.80

Repaired: Status Photo January 14, 2021



Discovered December 26, 2019



### LEGEND:

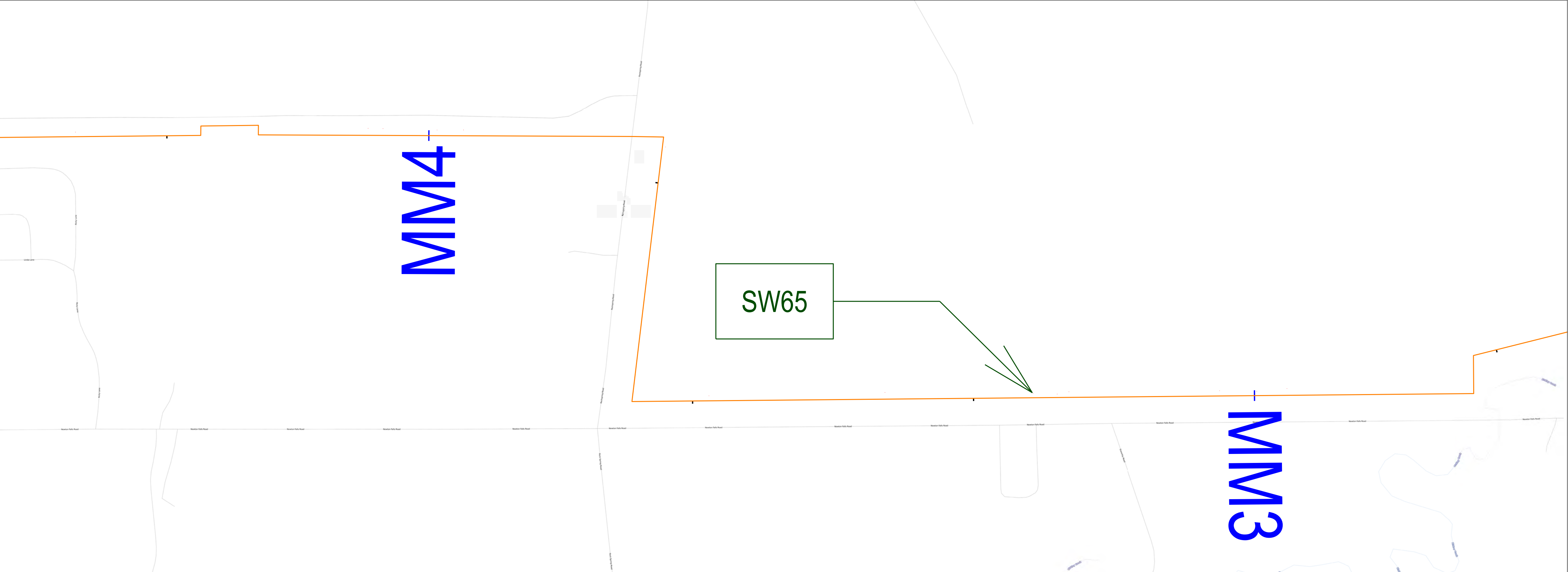
- = PERIMETER FENCE EVALUATED
- = OPENING IN FENCE GREATER THAN 2'
- = REPAIRED
- = FENCE LINE MILE MARKER

## LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR SW64



DETAIL SHEET FOR SW65



Poacher Hole at Mile 3.25

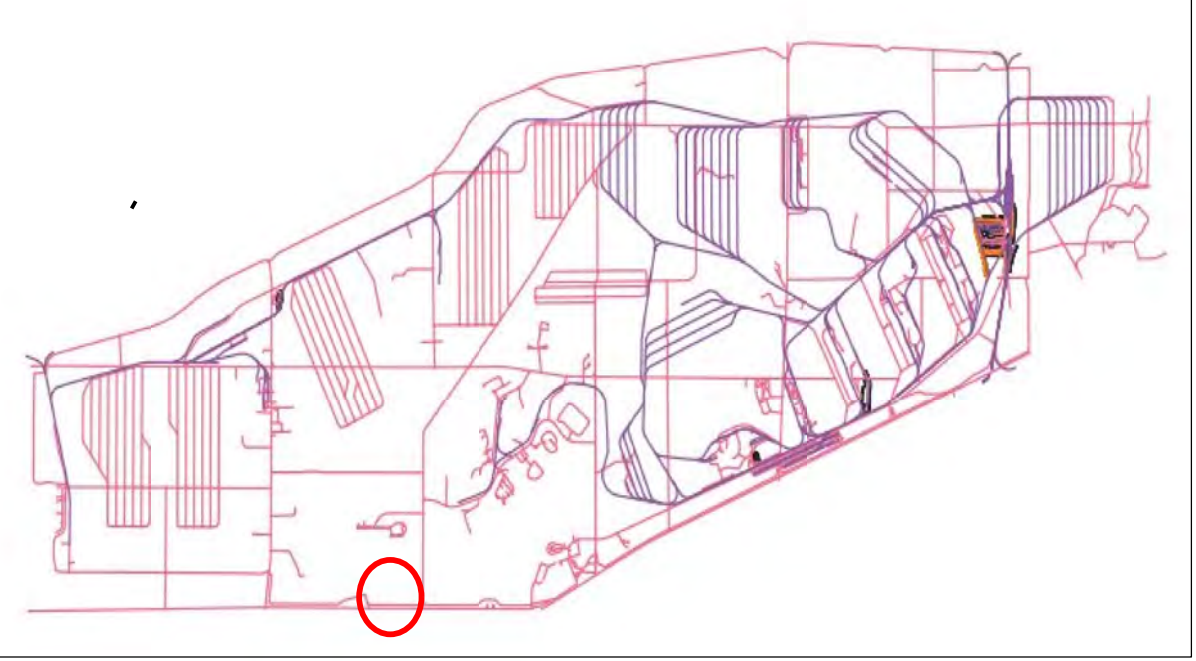
Discovered November 10, 2020



Repaired. New fencing, posts and post foundations were installed between December 2020 and January 2021 between mile markers 0.9 and 5.0. Photo not available.

- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

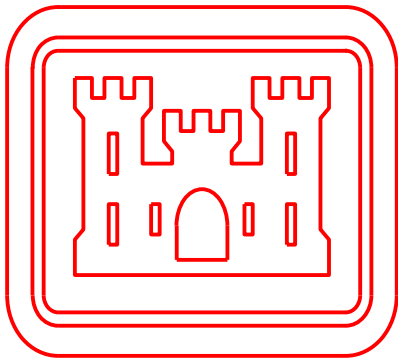


Ohio Army National Guard



Ohio

Produced in December 2020 for:



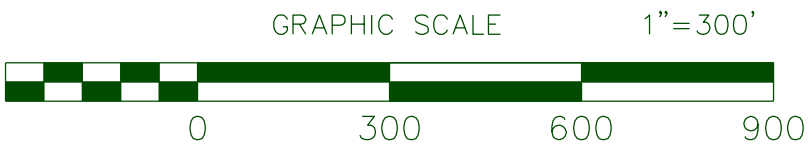
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

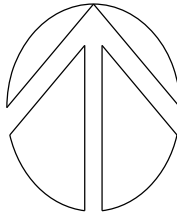
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

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Bearings shown hereon are Grid North



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LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR SW65

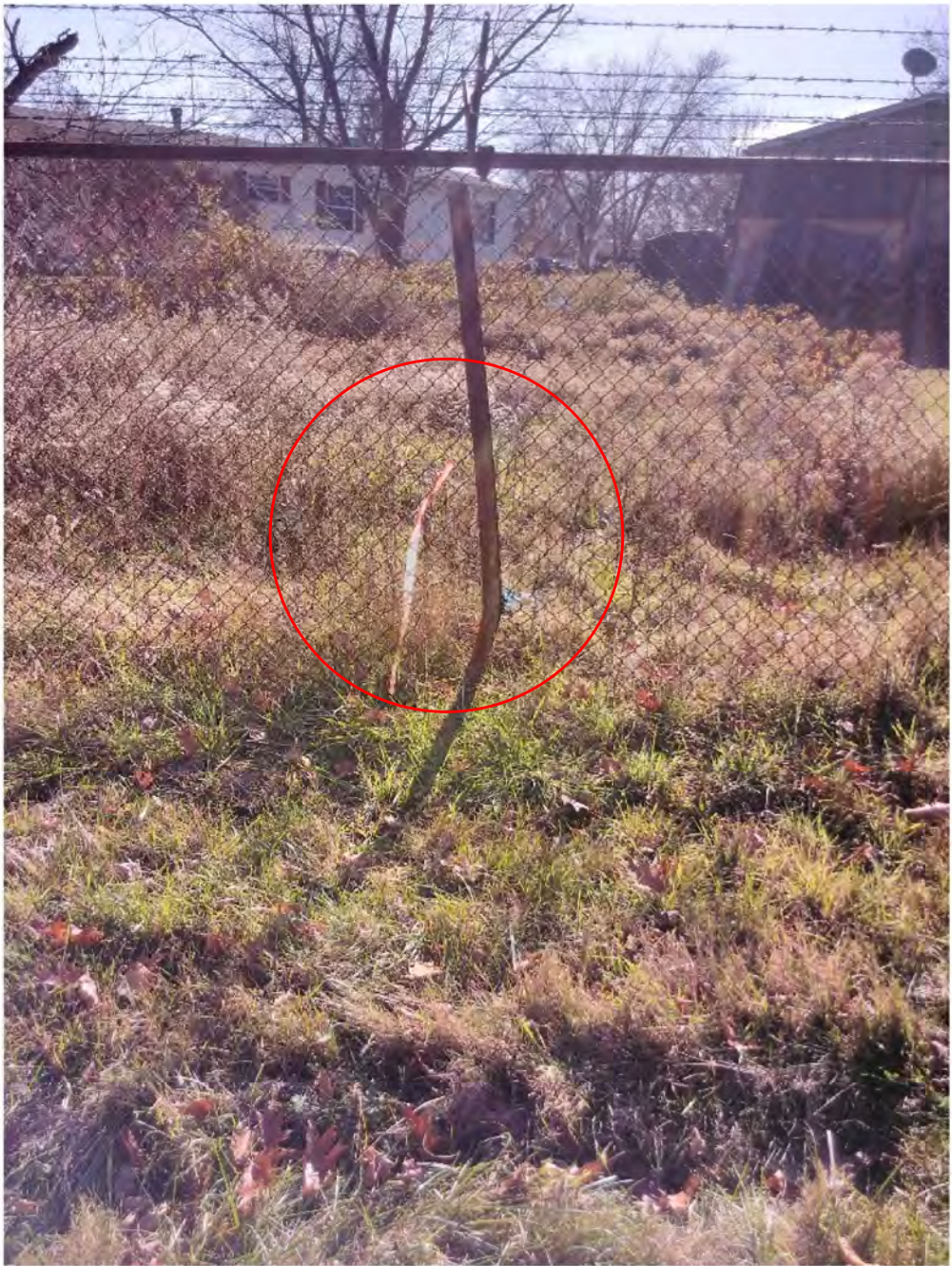


# DETAIL SHEET FOR SW66



Fence Damage/Poacher Hole at Mile 4.33

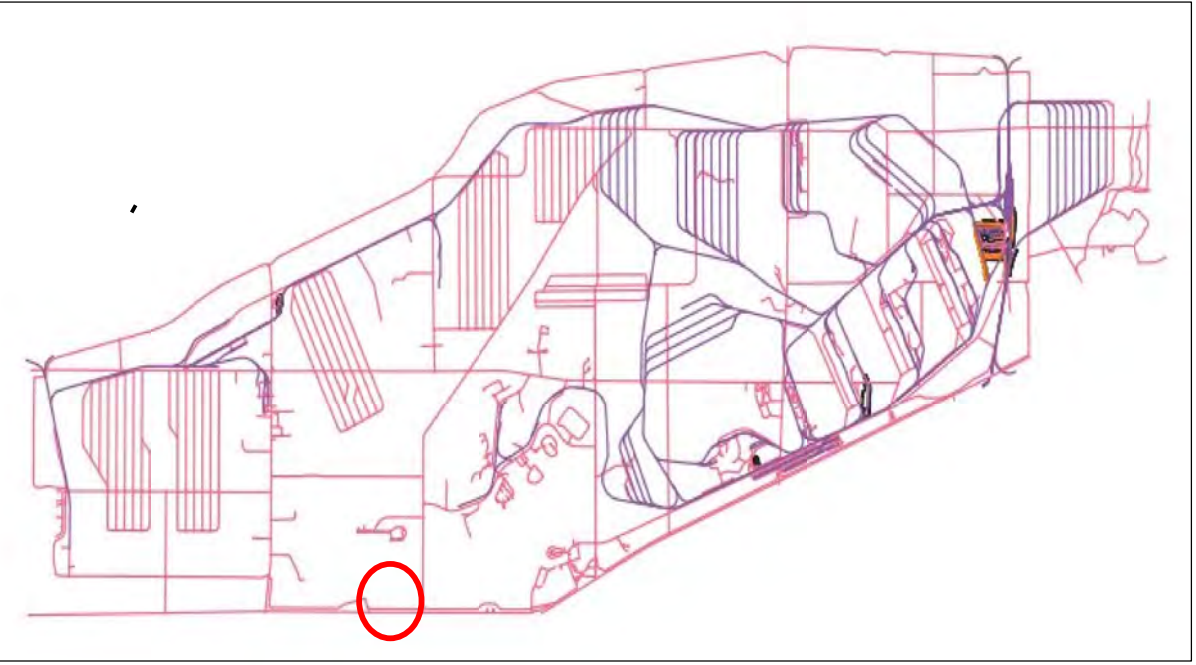
Discovered November 11, 2020



Repaired. New fencing, posts and post foundations were installed between December 2020 and January 2021 between mile markers 0.9 and 5.0.  
Photo not available.

- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

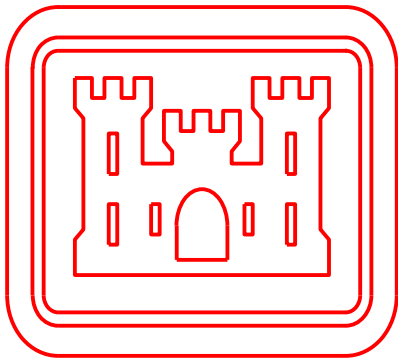


Ohio Army National Guard



Ohio

Produced in December 2020 for:



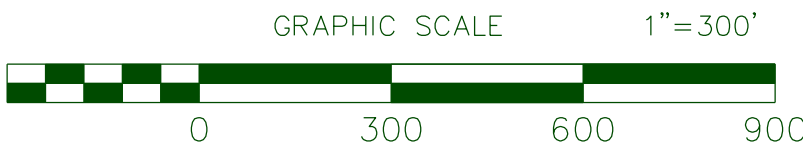
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

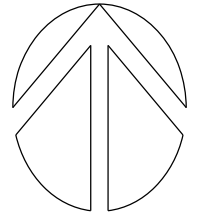
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

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Bearings shown hereon are Grid North



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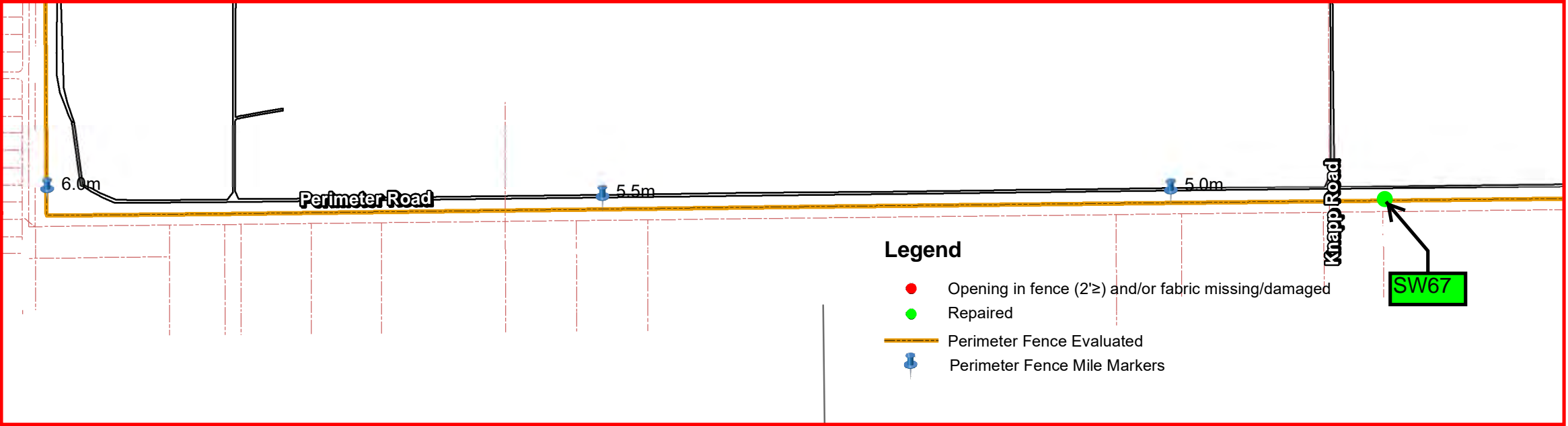


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

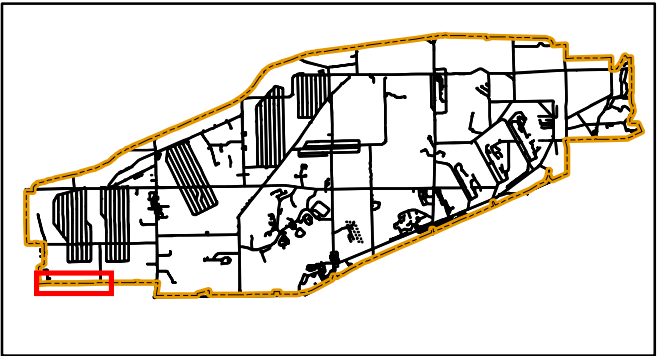
DETAIL SHEET FOR SW66



DETAIL SHEET FOR SW67



Camp James A. Garfield  
Joint Military Training Center



Portage & Trumbull County  
**LOCATOR MAP**



Ohio Army National Guard



LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

REPAIRED: STATUS PHOTO on 1/14/2021



PHOTO SW67 discovered 12/27/2019



Produced in January 2021 for:



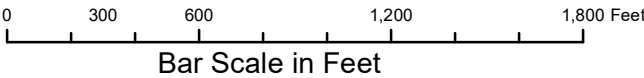
**US Army Corps of  
Engineers**

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

Louisville District



Projection Datum is NAD83, Ohio State  
Plane Rectangular Grid, North Zone



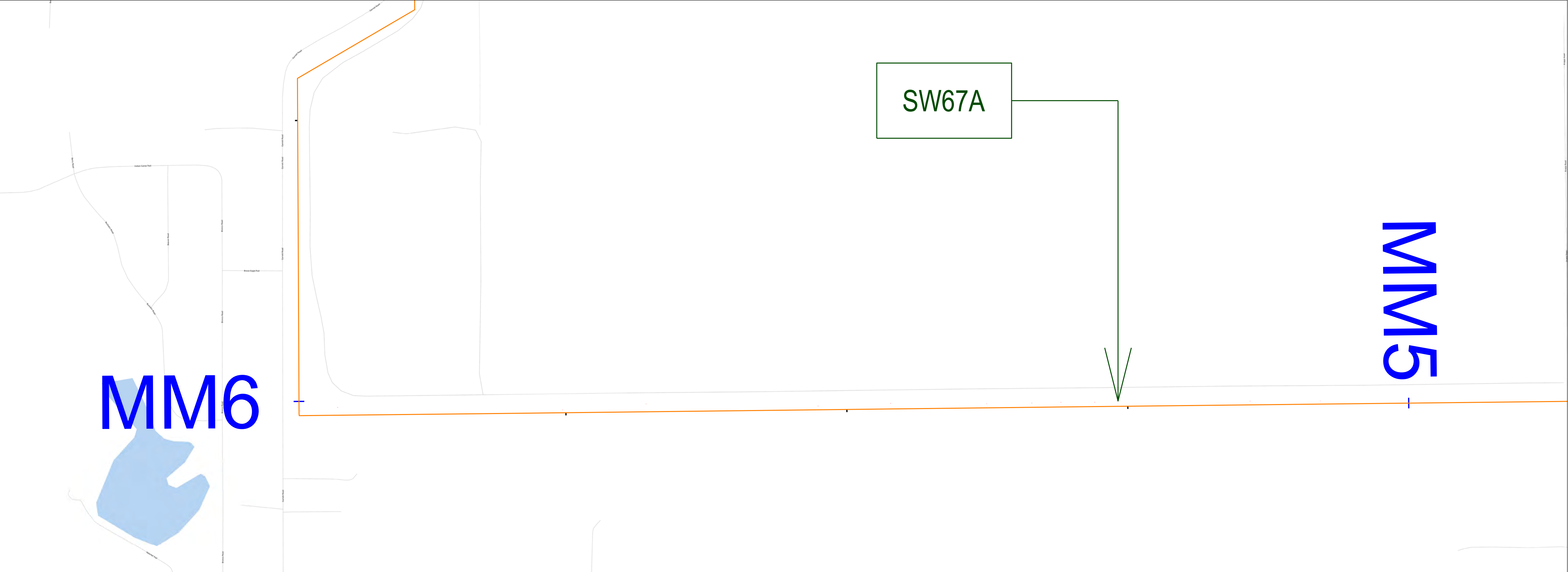
Camp James A. Garfield JMTC  
1438 State Route 534 SW  
Newton Falls, OH 44444

MGRS 17T NF01946150 (NAD83)

DETAIL SHEET FOR SW67



DETAIL SHEET FOR SW67a



FENCE DAMAGE / POACHER HOLE MILE 5.99

DISCOVERED 12/27/2019

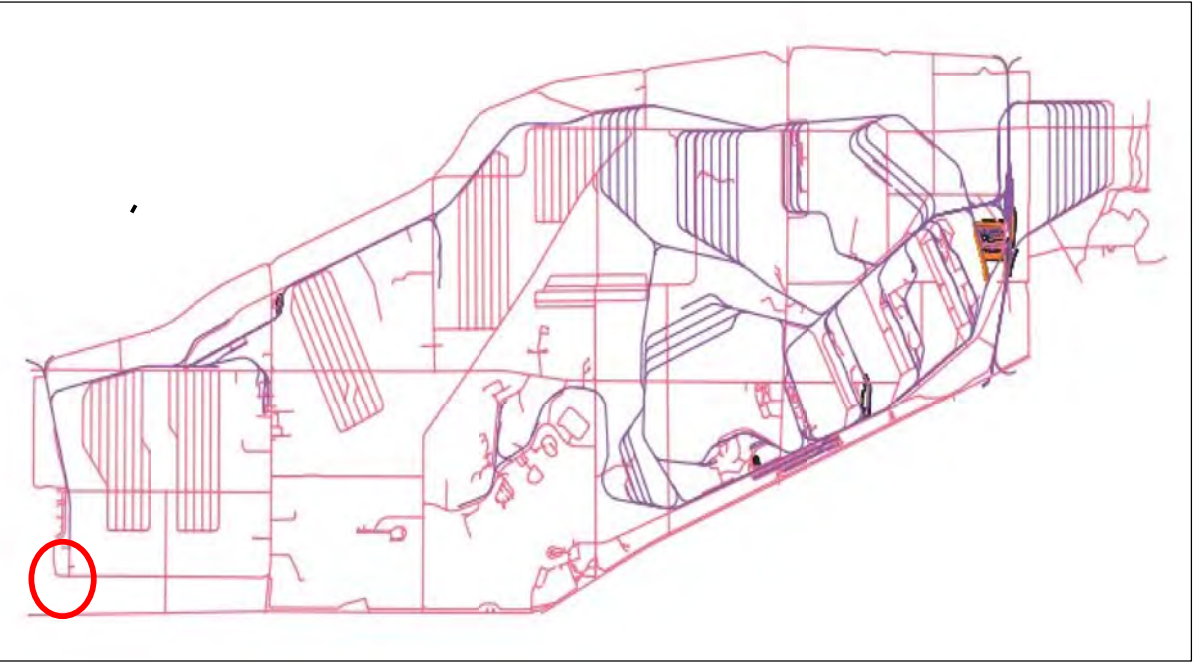


REPAIR VERIFIED 11/10/2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

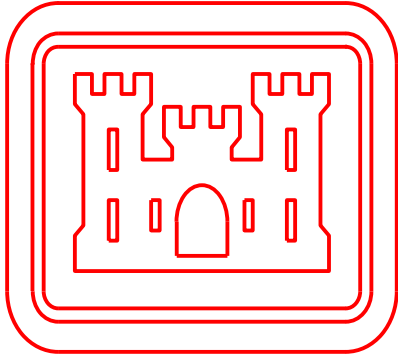


Ohio Army National Guard



Ohio

Produced in December 2020 for:



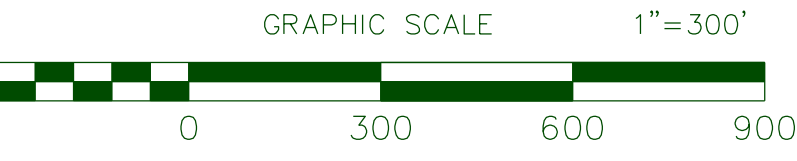
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

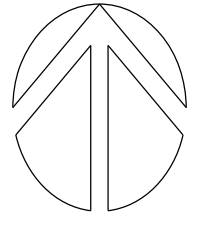
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Services, LLC

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Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



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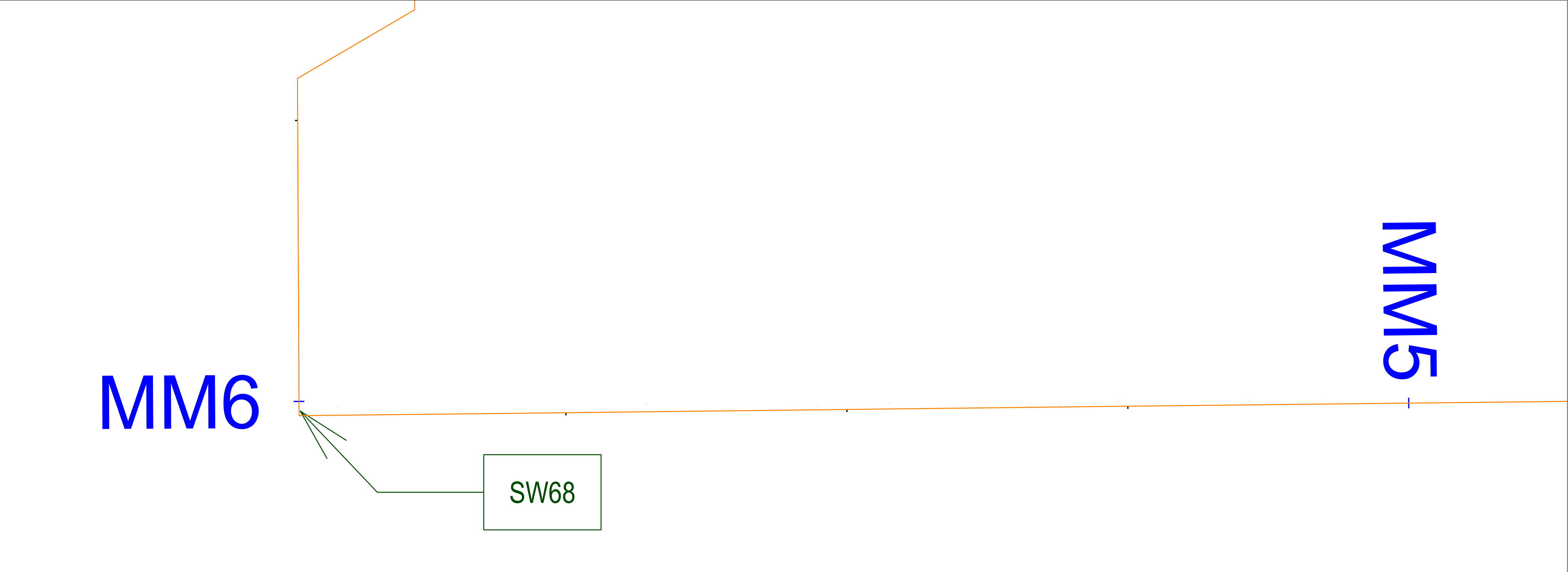


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR SW67a



DETAIL SHEET FOR SW68



FENCE DAMAGE / POACHER HOLE MILE 5.99

DISCOVERED 12/27/2019

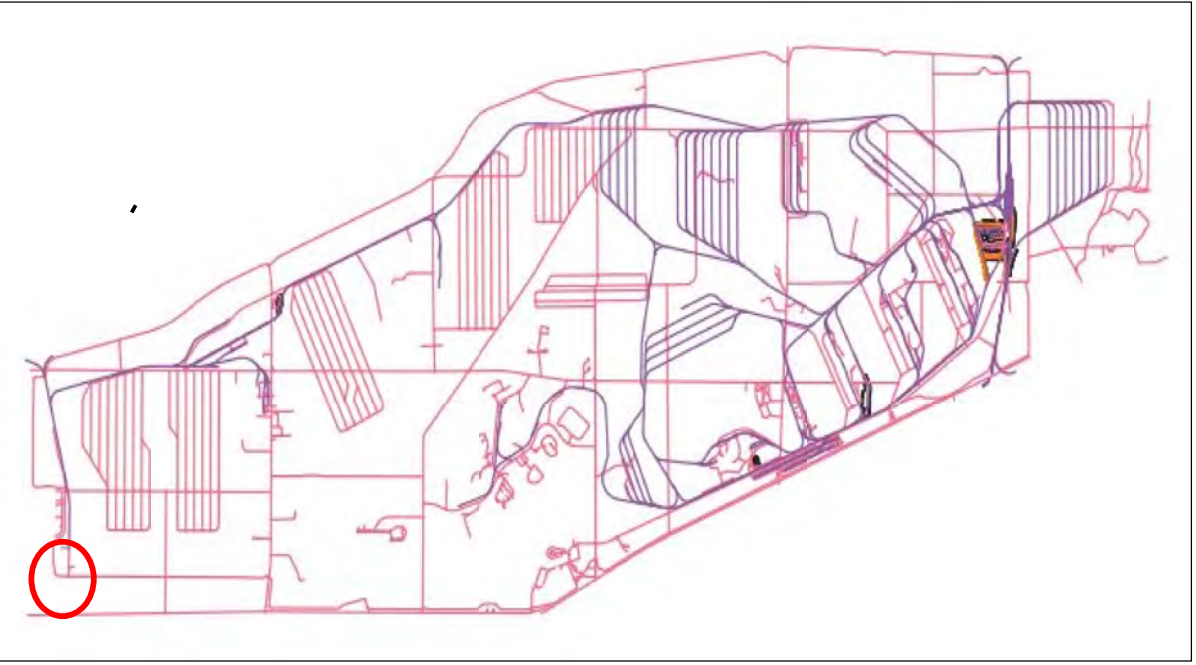


REPAIR VERIFIED 11/10/2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

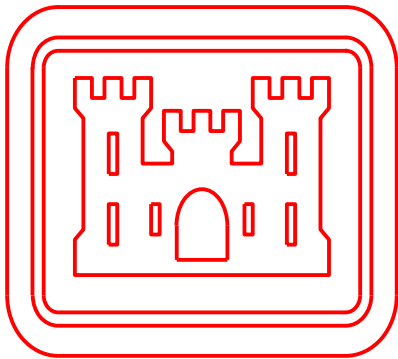


Ohio Army National Guard



Ohio

Produced in December 2020 for:



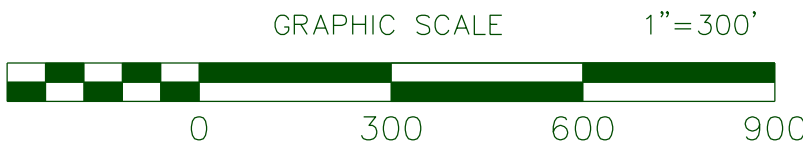
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

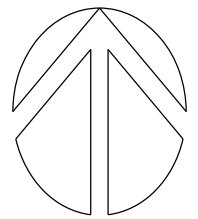
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Services, LLC

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Bearings shown hereon are Grid North



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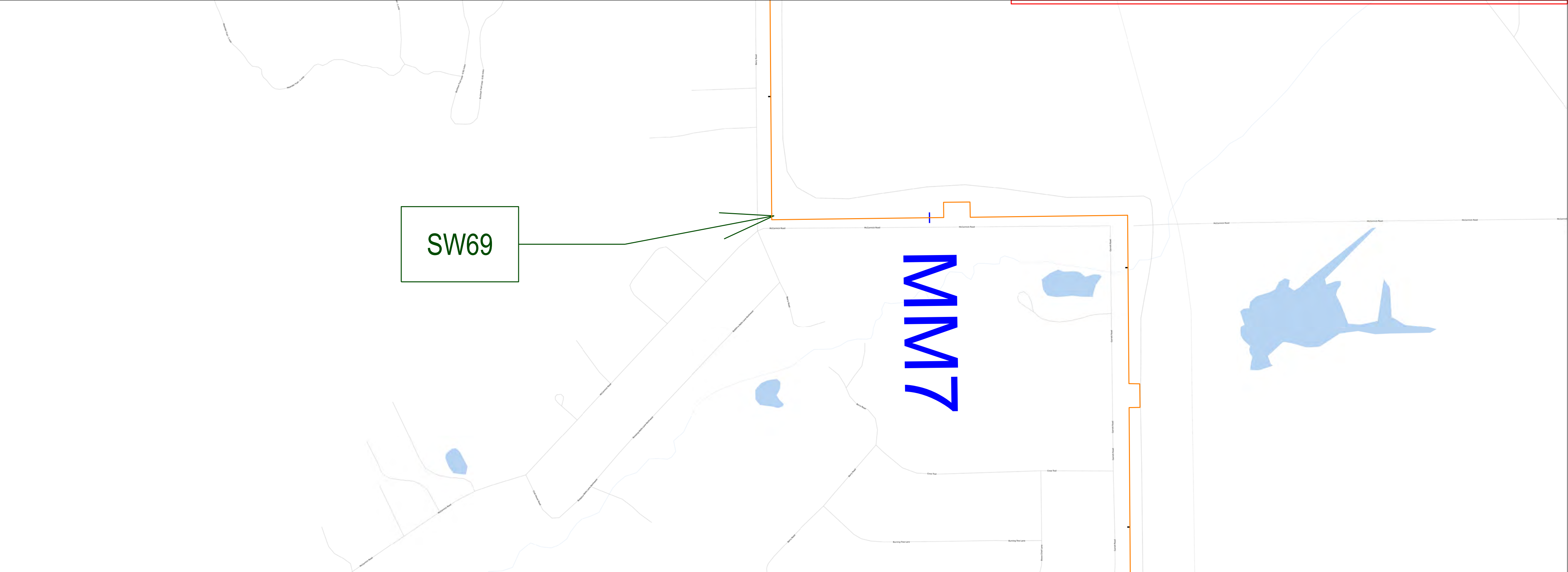


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

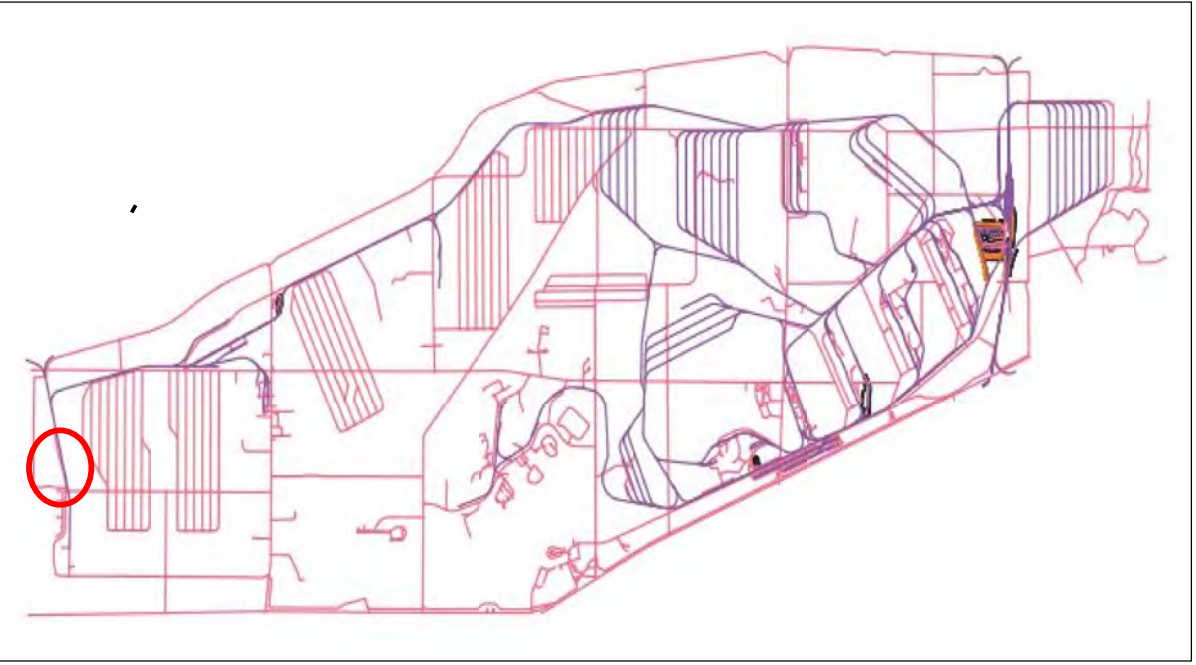
DETAIL SHEET FOR SW68



DETAIL SHEET FOR SW69



CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

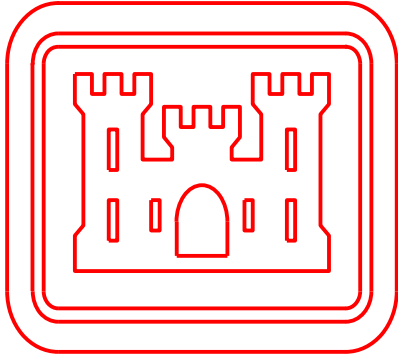


Ohio Army National Guard



Ohio

Produced in December 2020 for:



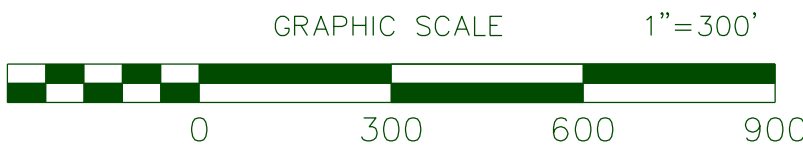
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

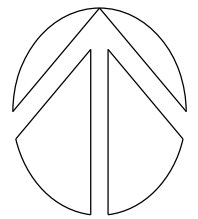
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

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Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



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LEGEND:

- = PERIMETER FENCE EVALUATED
- = OPENING IN FENCE GREATER THAN 2'
- = REPAIRED
- = FENCE LINE MILE MARKER

Fence Damage/Poacher Hole at Mile 7.14 (7.2)  
Repair Verified November 12, 2020



Discovered December 27, 2019

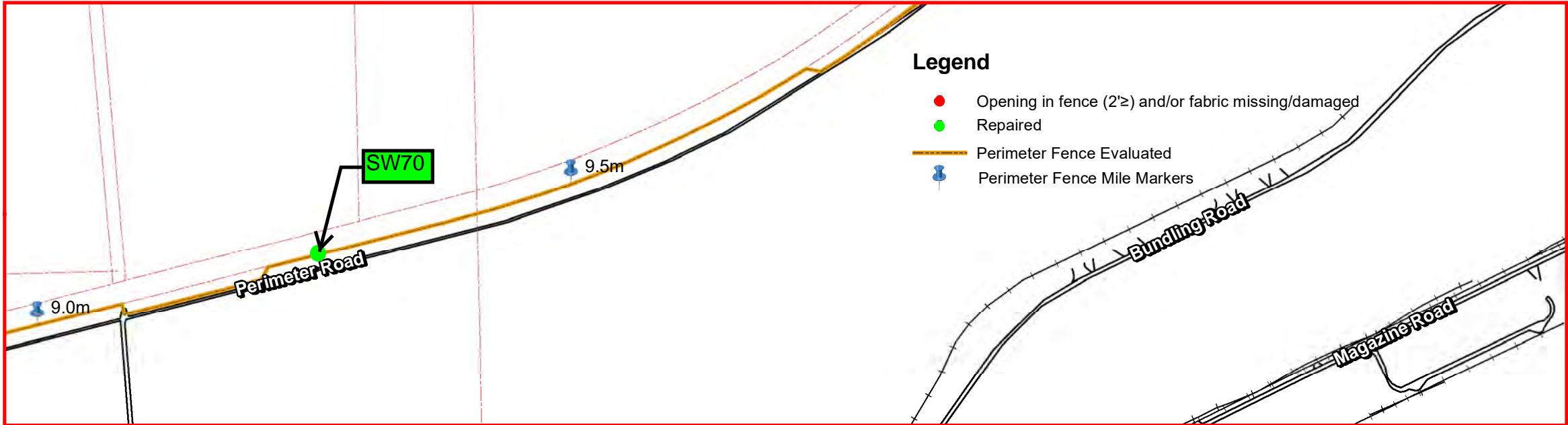


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

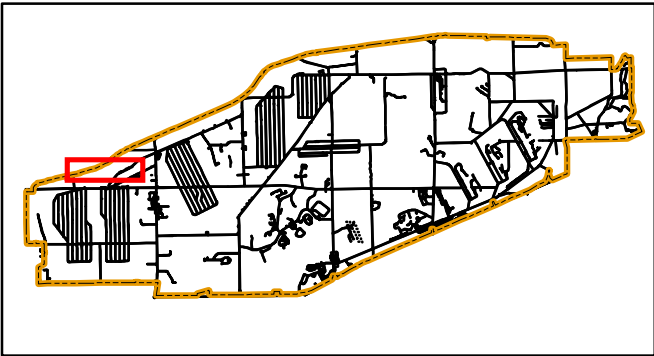
DETAIL SHEET FOR SW69



DETAIL SHEET FOR SW70



Camp James A. Garfield  
Joint Military Training Center



Portage & Trumbull County  
**LOCATOR MAP**



Ohio Army National Guard



LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

REPAIRED: STATUS PHOTO on 1/14/2021



PHOTO SW70 discovered 12/30/2019



Produced in January 2021 for:



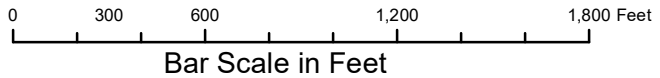
**US Army Corps of  
Engineers**

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

Louisville District



Projection Datum is NAD83, Ohio State  
Plane Rectangular Grid, North Zone



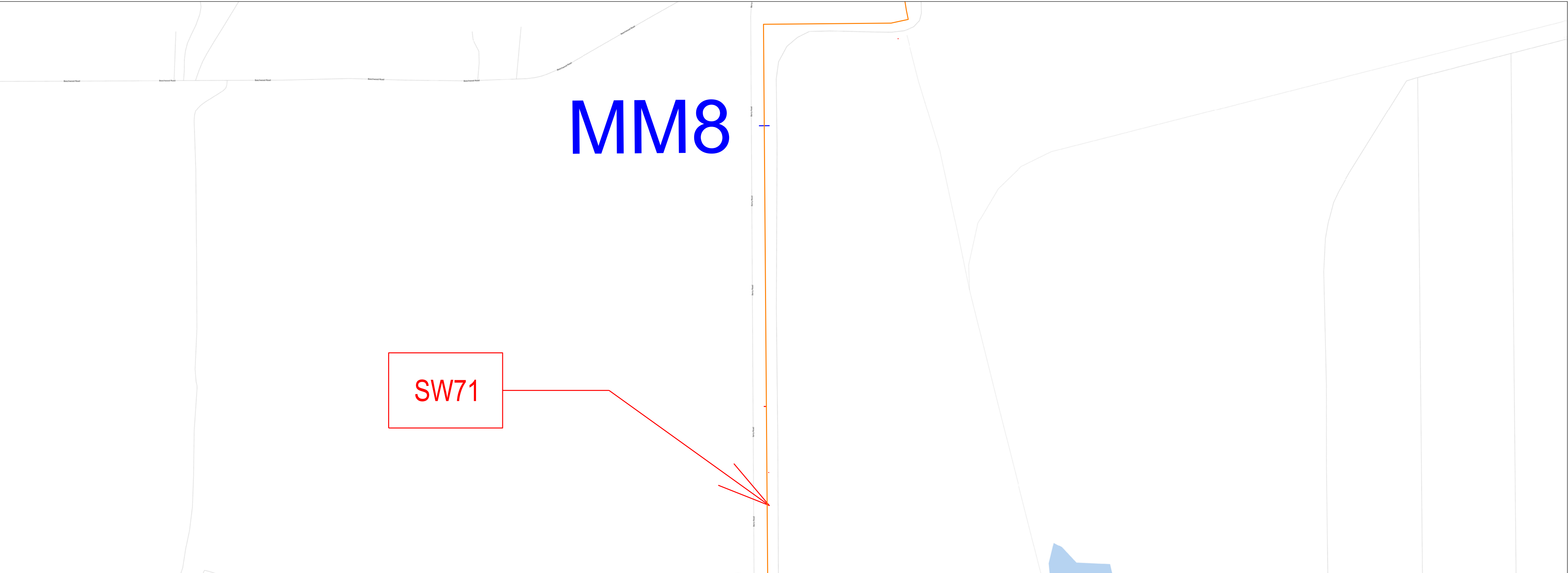
Camp James A. Garfield JMTc  
1438 State Route 534 SW  
Newton Falls, OH 44444

MGRS 17T NF01946150 (NAD83)

DETAIL SHEET FOR SW70



# DETAIL SHEET FOR SW71



Fence Damage/Poacher Hole at Mile 7.66

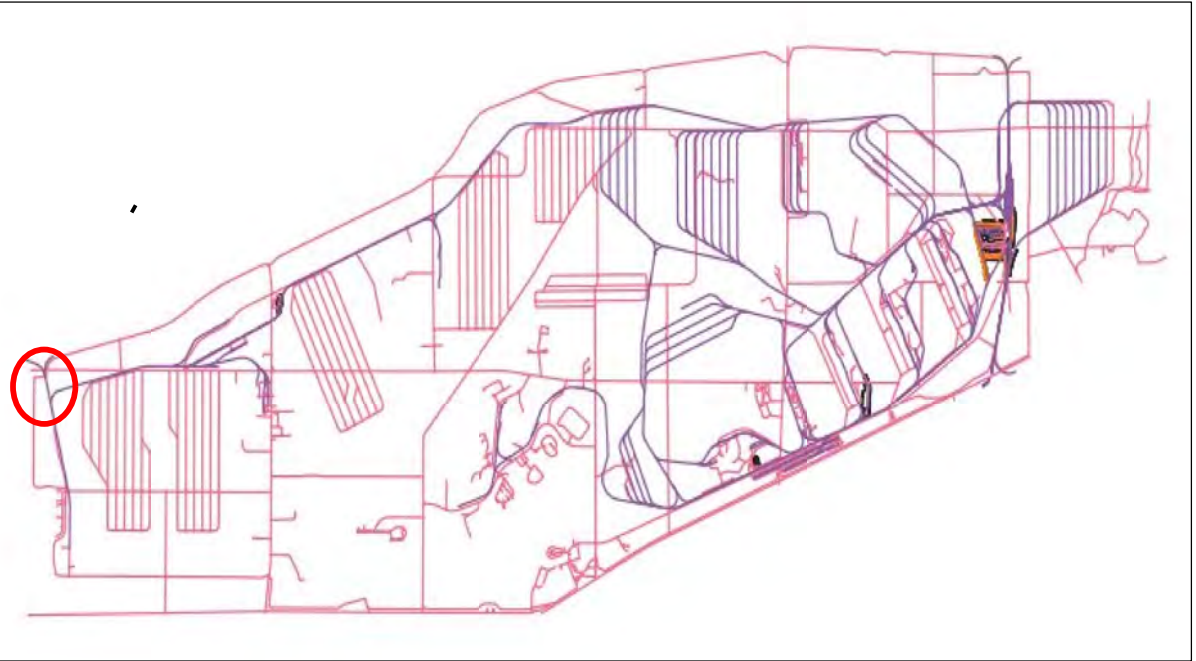
Discovered November 12, 2020



LEGEND:

- = PERIMETER FENCE EVALUATED
- = OPENING IN FENCE GREATER THAN 2'
- = REPAIRED
- = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

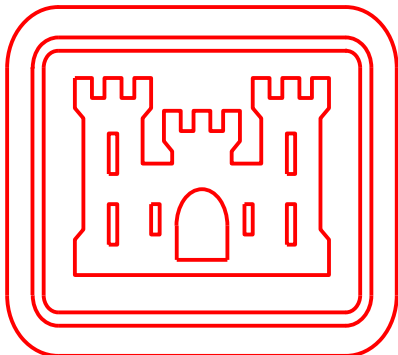


Ohio Army National Guard



Ohio

Produced in December 2020 for:



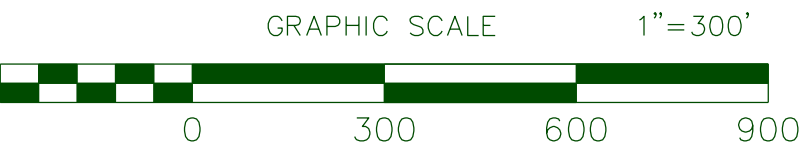
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

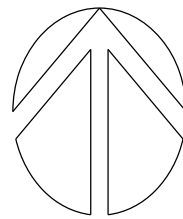
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

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Bearings shown hereon are Grid North



THIS MAP IS INTENDED TO DISPLAYED and/or PLOTTED @ 1"=300'  
on a 22"x34" Page. When Plotting at half size, being 11"x17", scale will be 1"= 600'

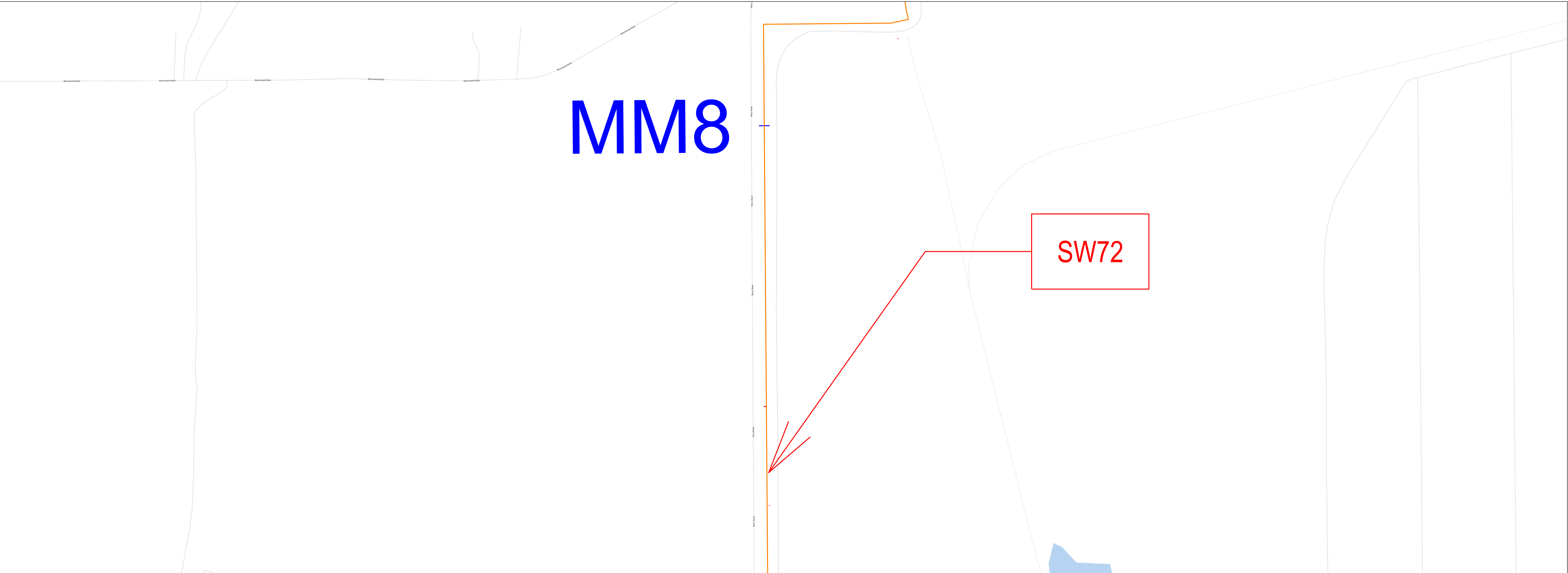


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR SW71



# DETAIL SHEET FOR SW72



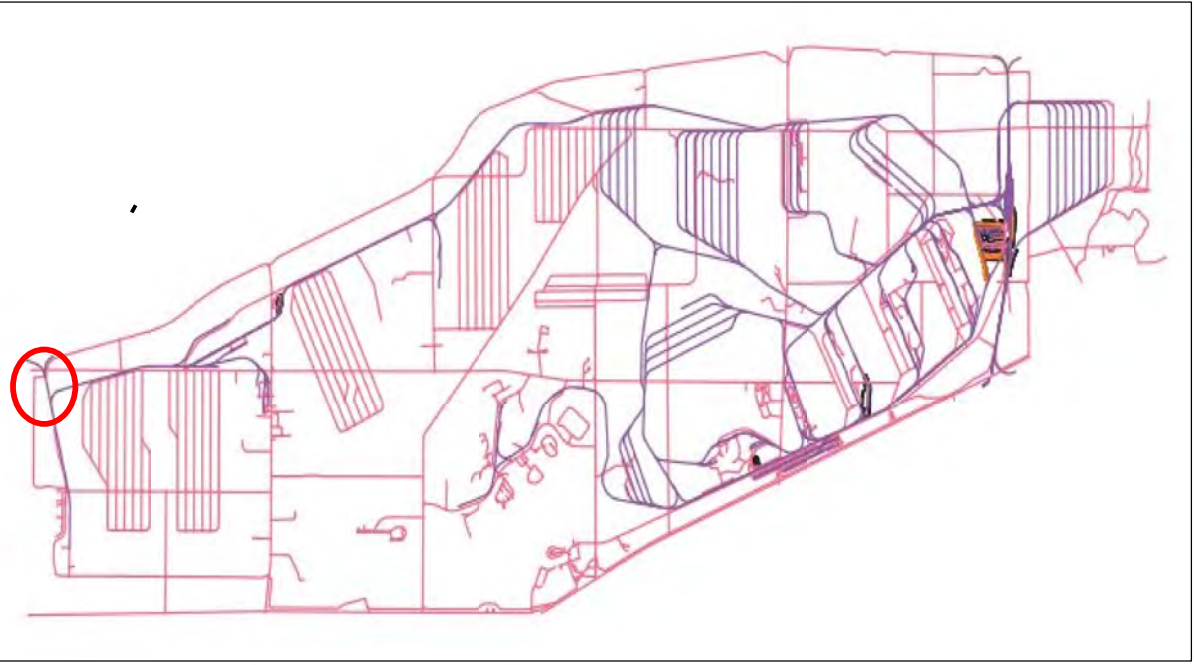
Fence Damage/Poacher Hole at Mile 7.69

Discovered November 12, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

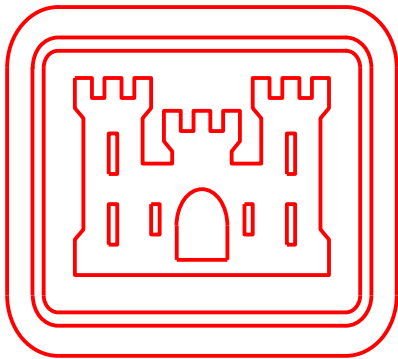


Ohio Army National Guard



Ohio

Produced in December 2020 for:



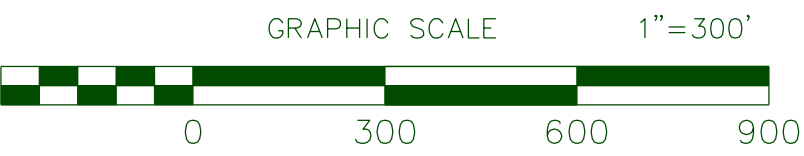
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

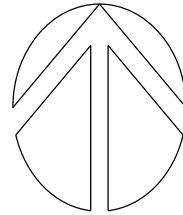
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

Coordinates shown hereon are referenced to NAD83,  
Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



THIS MAP IS INTENDED TO DISPLAYED and/or PLOTTED @ 1"=300'  
on a 22"x34" Page. When Plotting at half size, being 11"x17", scale will be 1"= 600'

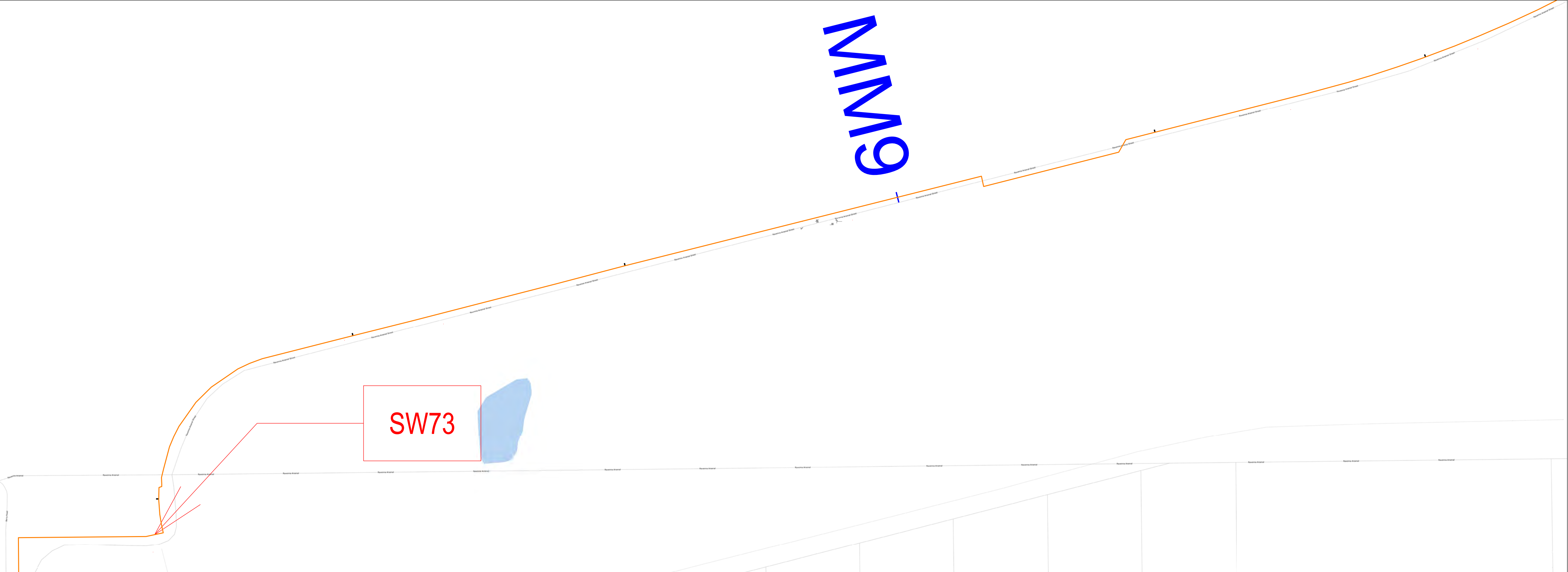


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR SW72



# DETAIL SHEET FOR SW73



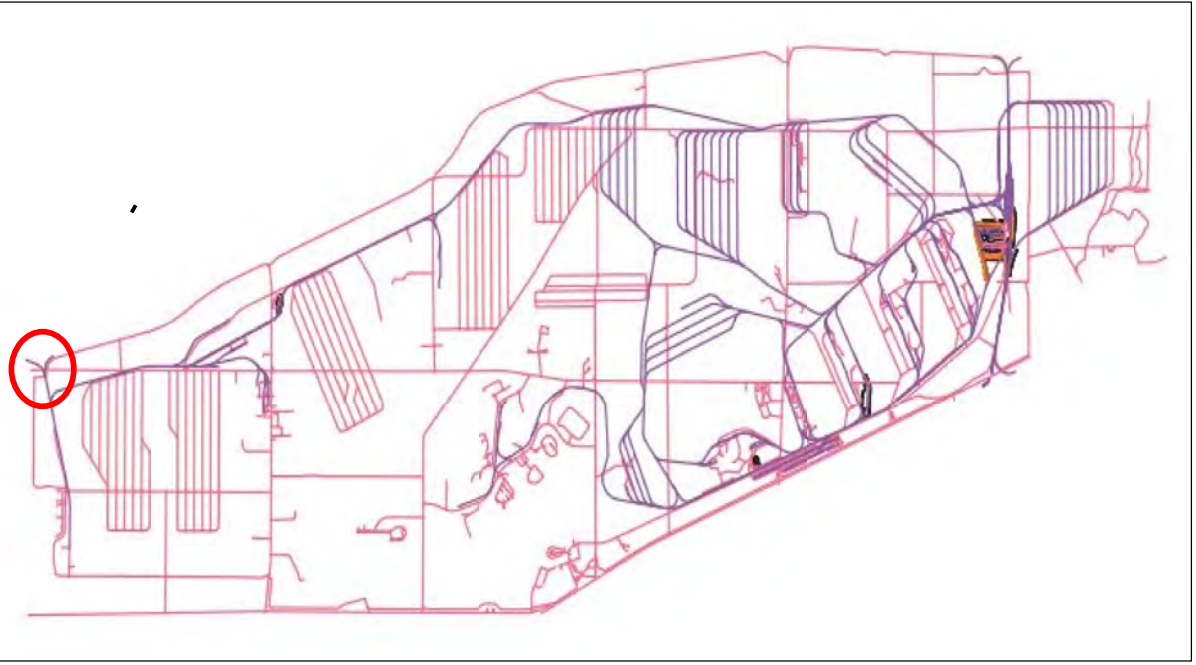
Fence Damage/Poacher Hole at Mile 8.21

Discovered November 12, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

## CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

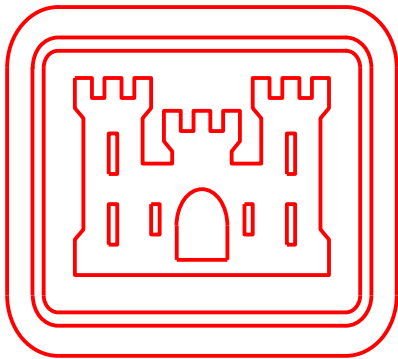


Ohio Army National Guard



Ohio

Produced in Decemeber 2020



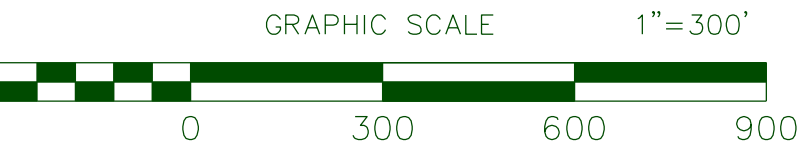
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

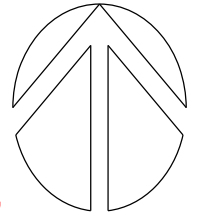
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

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Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



THIS MAP IS INTENDED TO DISPLAYED and/or PLOTTED @ 1"=300'  
on a 22"x34" Page. When Plotting at half size, being 11"x17", scale will be 1"= 600'

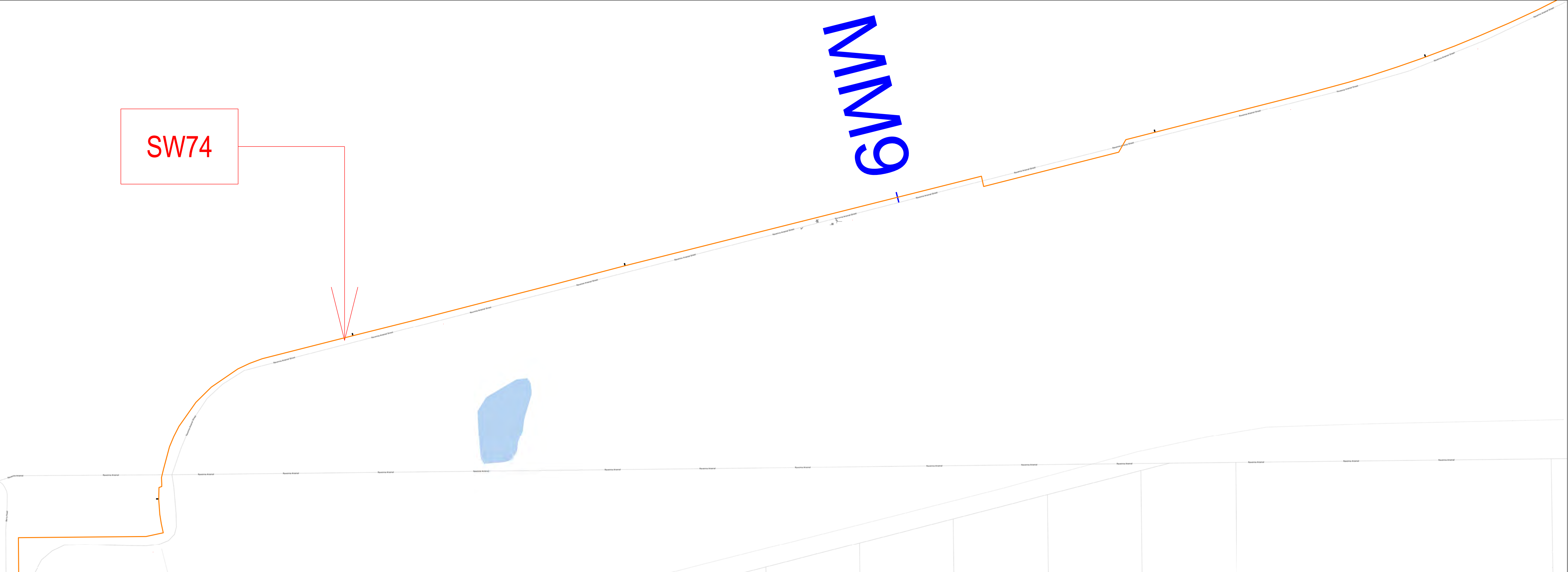


# LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR SW73



# DETAIL SHEET FOR SW74



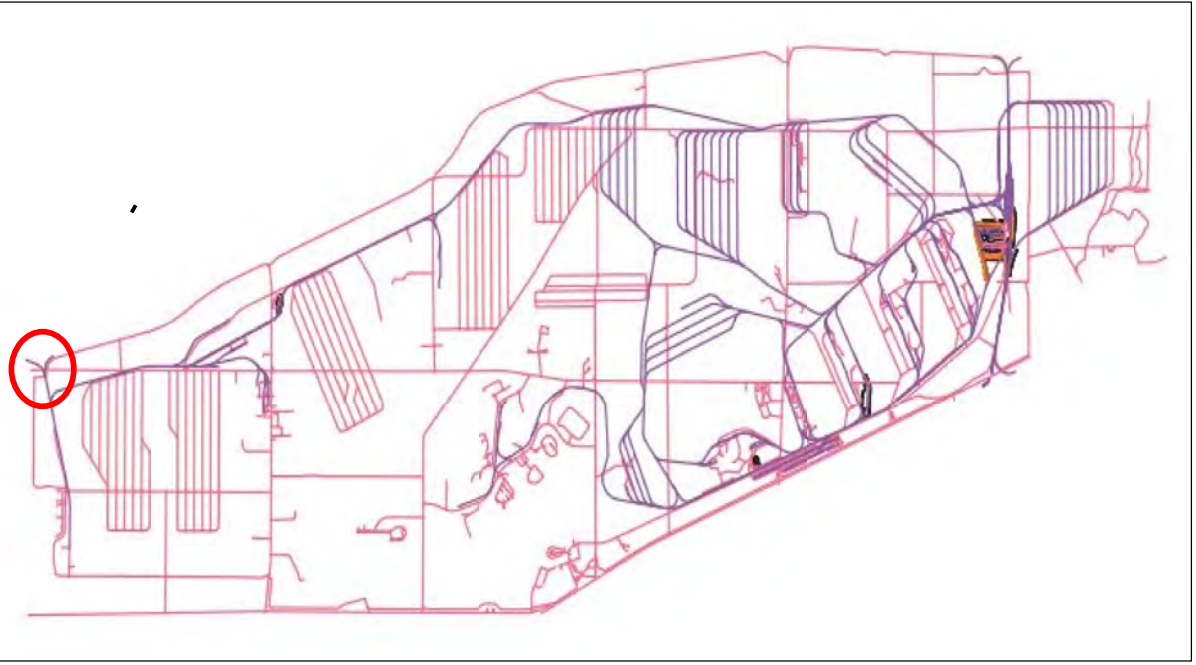
Fence Damage/Poacher Hole at Mile 8.49

Discovered November 12, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

## CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

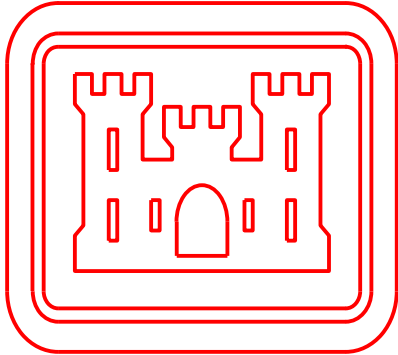


Ohio Army National Guard



Ohio

Produced in December 2020



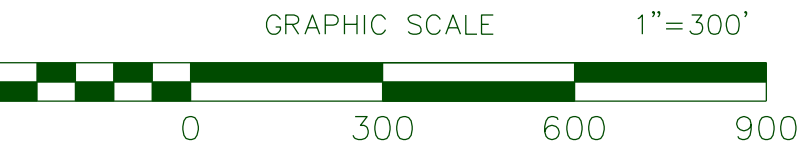
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

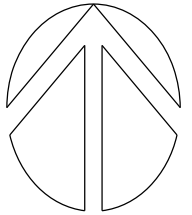
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

Coordinates shown hereon are referenced to NAD83,  
Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



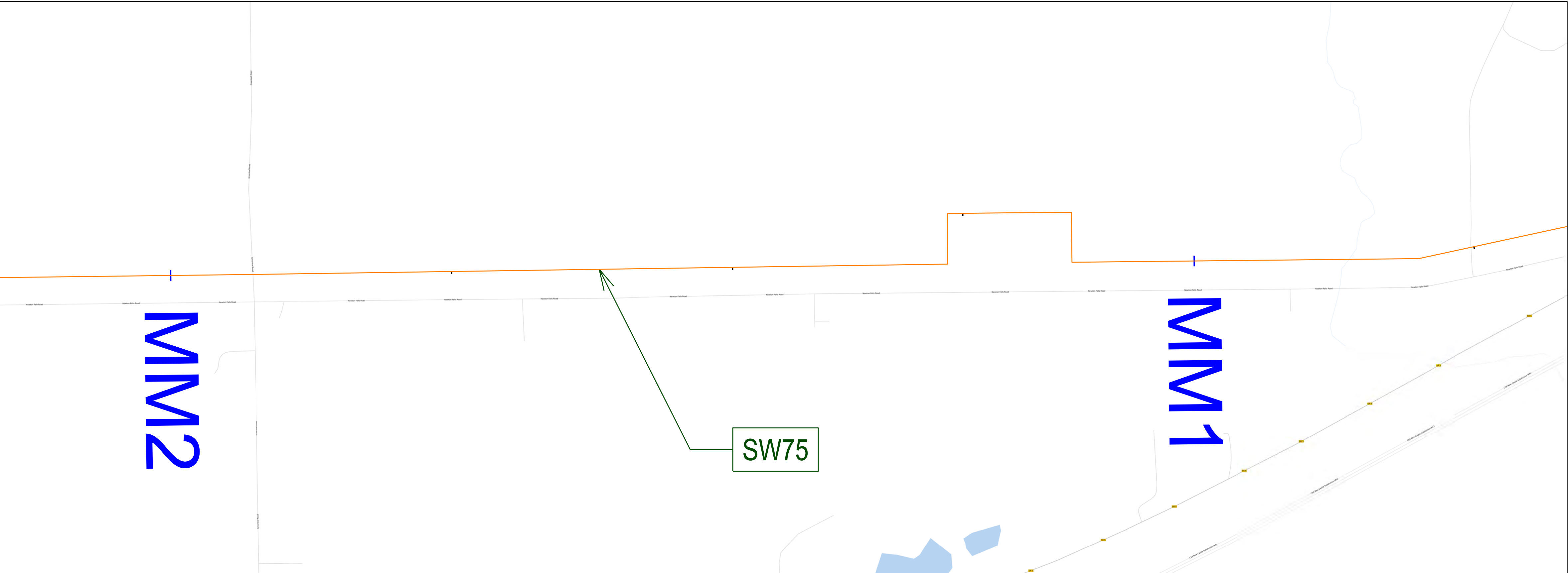
THIS MAP IS INTENDED TO DISPLAYED and/or PLOTTED @ 1"=300'  
on a 22"x34" Page. When Plotting at half size, being 11"x17", scale will be 1"= 600'



## LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION



DETAIL SHEET FOR SW75



Fence Damage at Mile 1.53

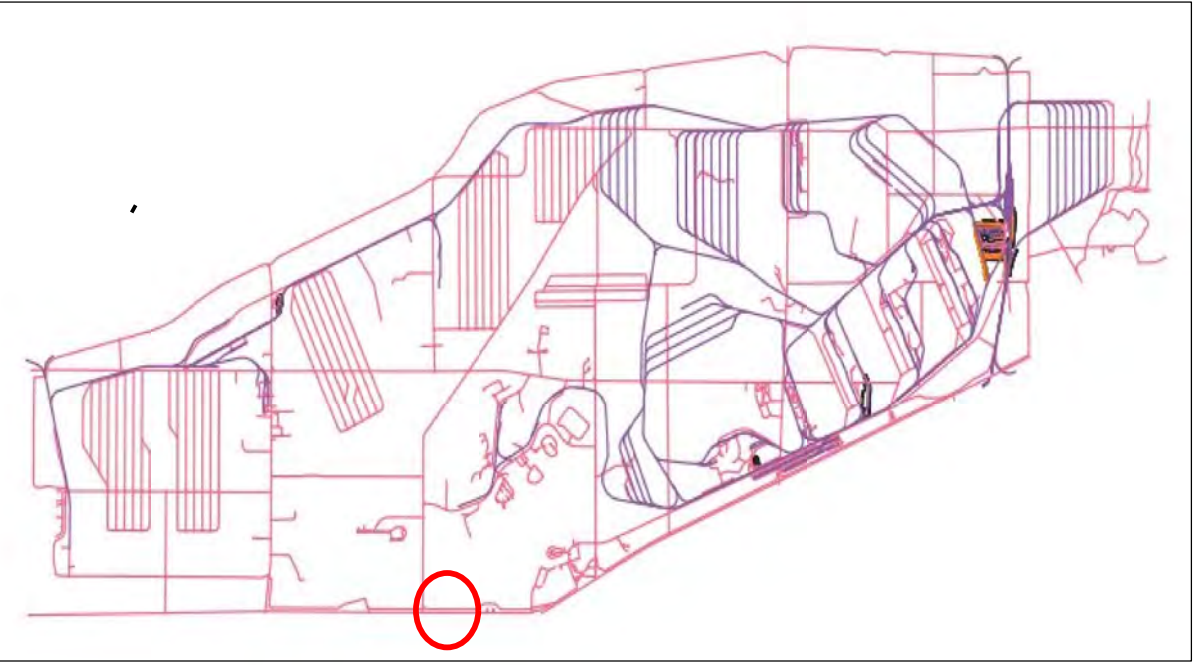
Discovered November 10, 2020

Repaired. New fencing, posts and post foundations were installed between December 2020 and January 2021 between mile markers 0.9 and 5.0.  
Photo not available.



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

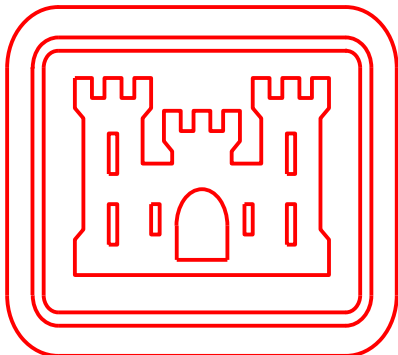


Ohio Army National Guard



Ohio

Produced in December 2020 for:



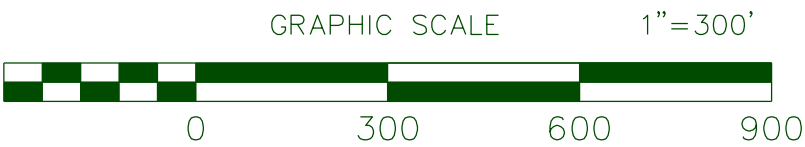
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

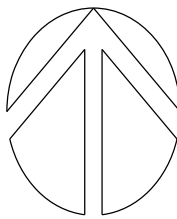
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

Coordinates shown hereon are referenced to NAD83,  
Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



THIS MAP IS INTENDED TO DISPLAYED and/or PLOTTED @ 1"=300'  
on a 22"x34" Page. When Plotting at half size, being 11"x17", scale will be 1"= 600'

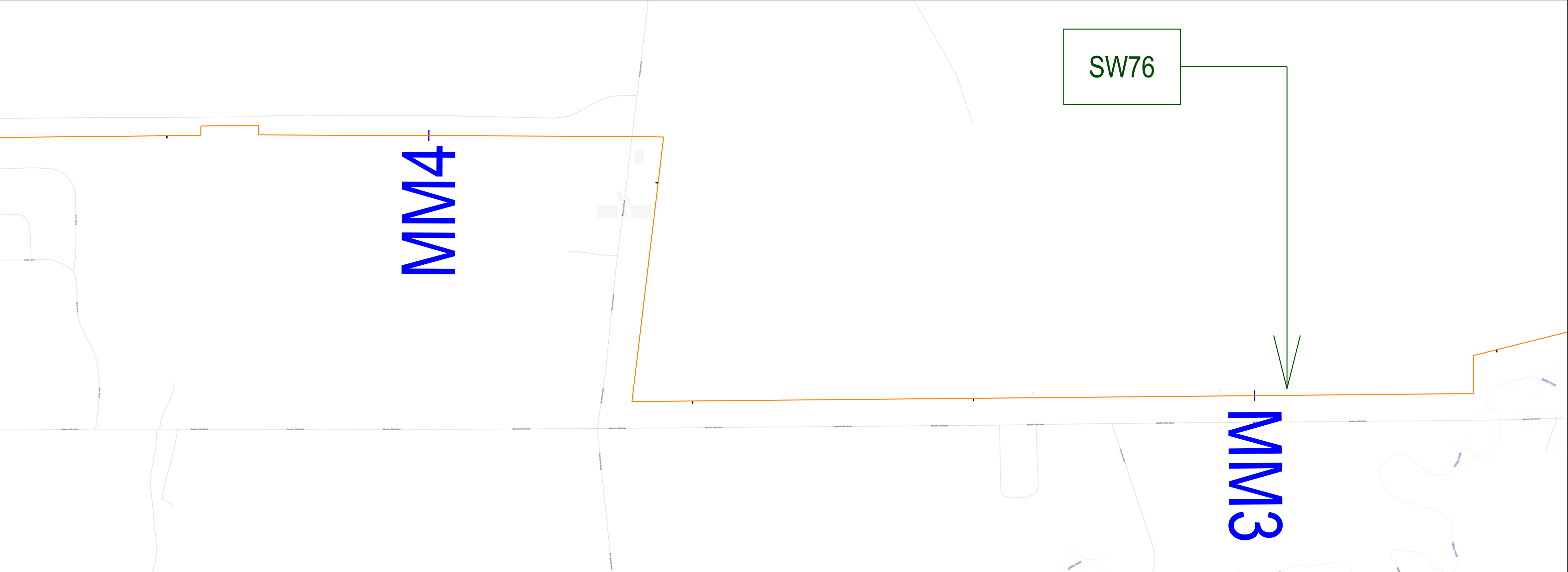


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR SW75



# DETAIL SHEET FOR SW76



Tree on Fence at Mile 2.98

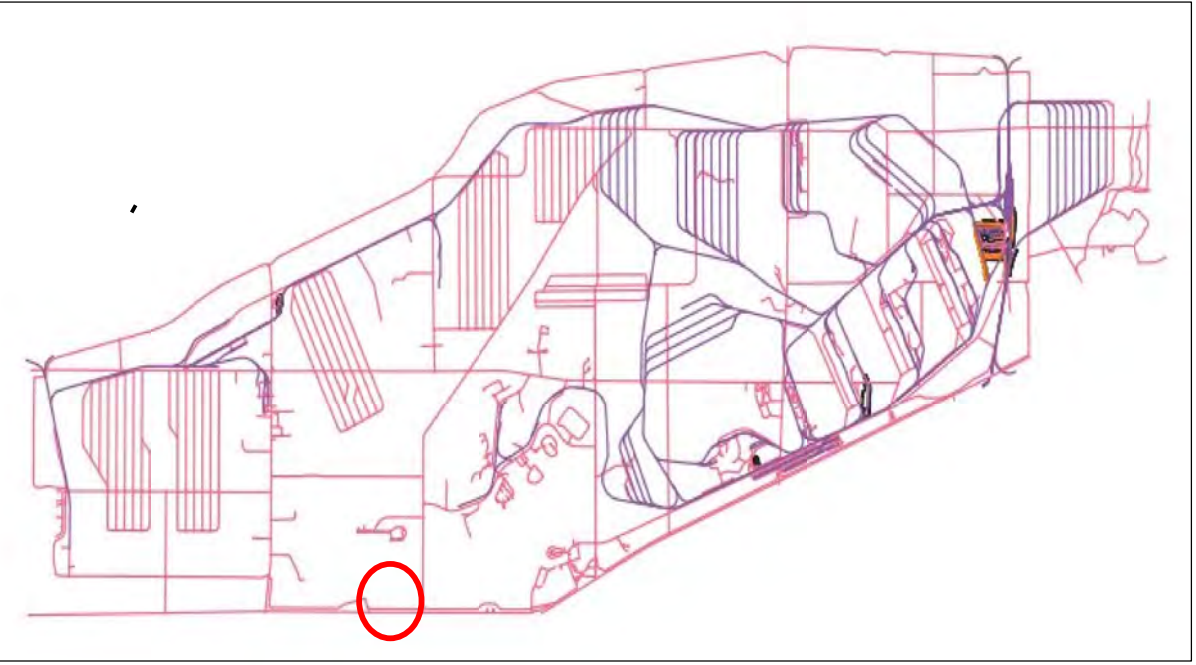
Photo Taken November 10, 2020



Repaired. New fencing, posts and post foundations were installed between December 2020 and January 2021 between mile markers 0.9 and 5.0. Photo not available.

- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

## CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

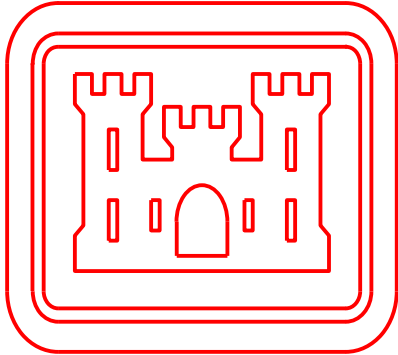


## Ohio Army National Guard



Ohio

Produced in December 2020 for:



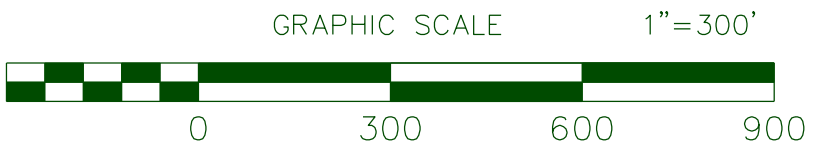
## US Army Corps of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

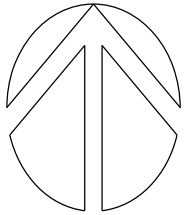
### Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

Coordinates shown hereon are referenced to NAD83,  
Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



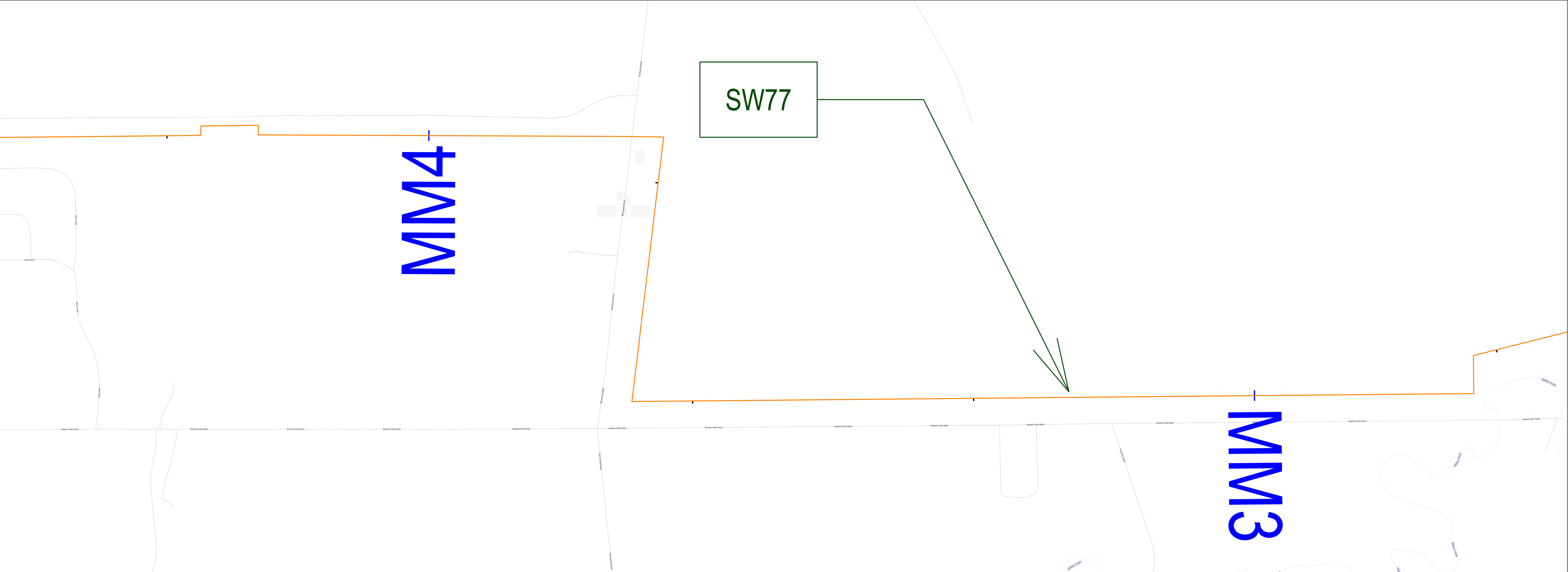
THIS MAP IS INTENDED TO DISPLAYED and/or PLOTTED @ 1"=300'  
on a 22"x34" Page. When Plotting at half size, being 11"x17", scale will be 1"= 600'



# LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION



# DETAIL SHEET FOR SW77



Poacher Hole at Mile 3.20

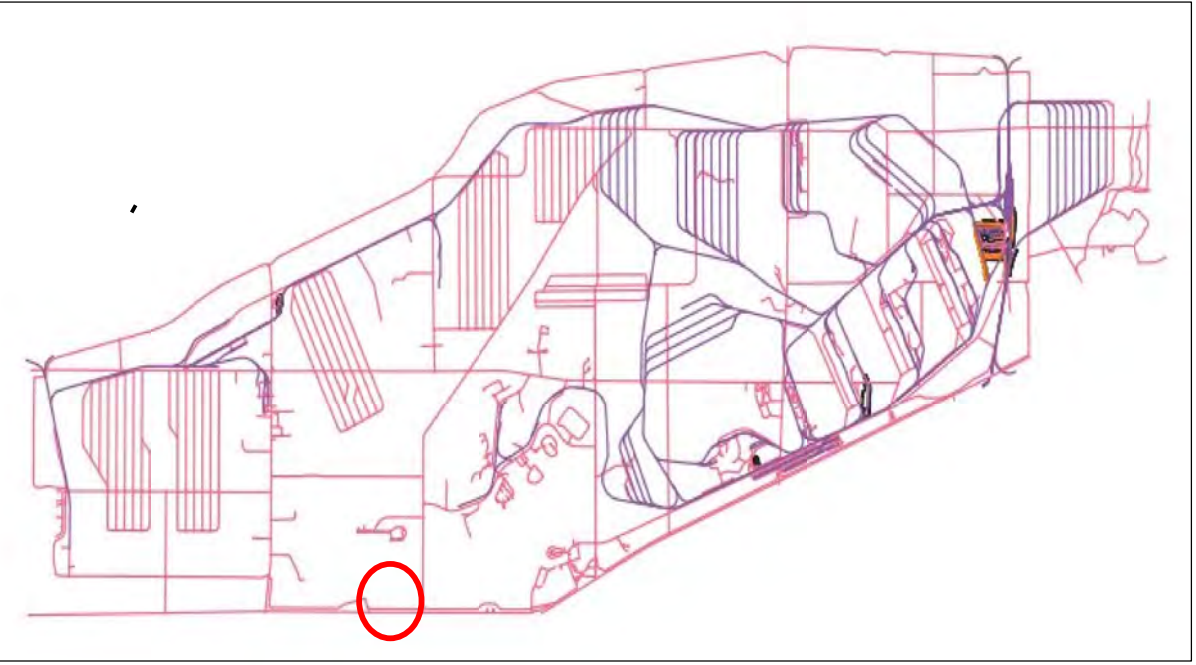
Discovered November 10, 2020



Repaired. New fencing, posts and post foundations were installed between December 2020 and January 2021 between mile markers 0.9 and 5.0. Photo not available.

- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

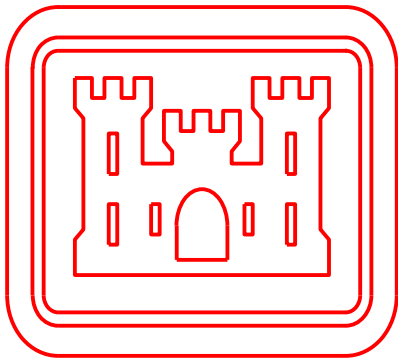


Ohio Army National Guard



Ohio

Produced in December 2020 for:



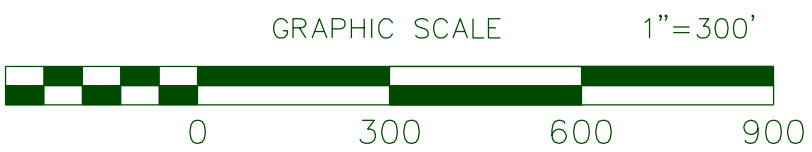
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

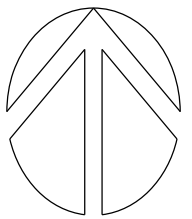
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

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Bearings shown hereon are Grid North



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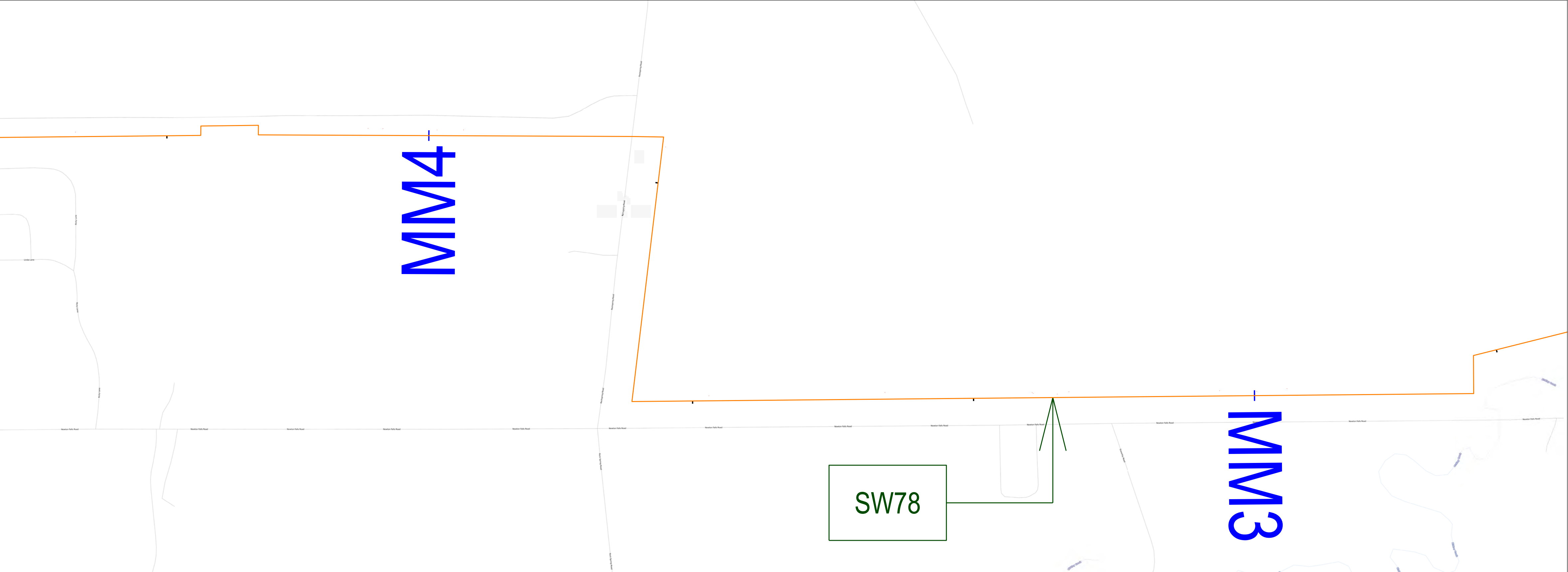


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR SW77



# DETAIL SHEET FOR SW78



Poacher Hole at Mile 3.20

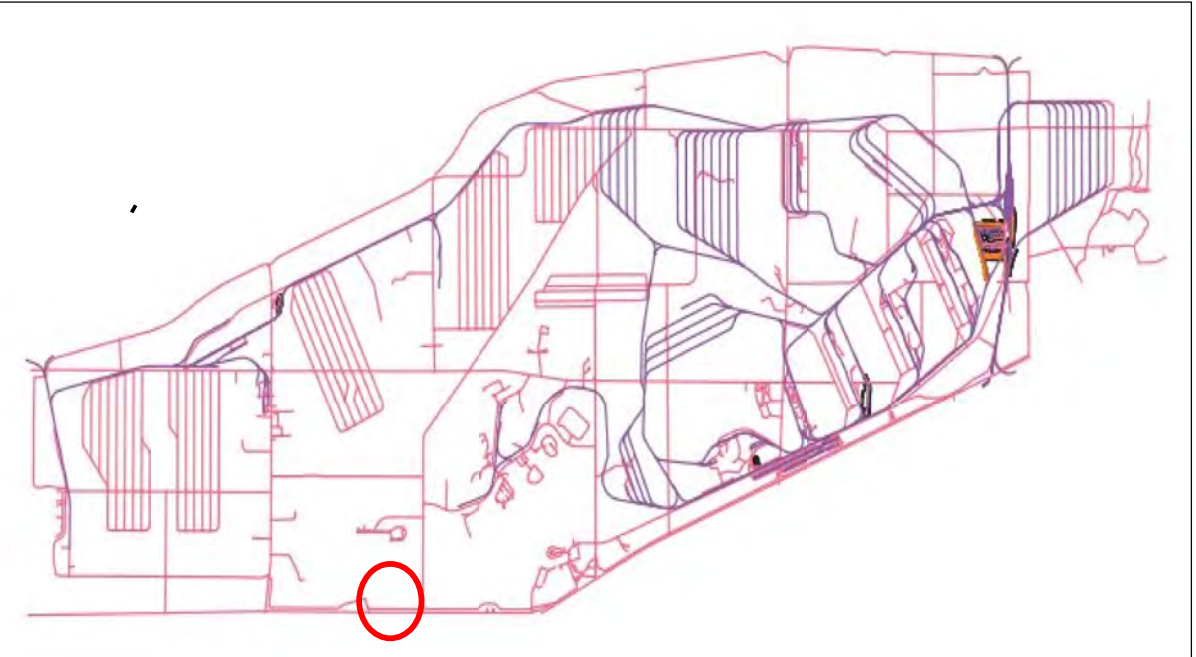
Discovered November 10, 2020



Repaired. New fencing, posts and post foundations were installed between December 2020 and January 2021 between mile markers 0.9 and 5.0.  
Photo not available.

- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumble County  
LOCATION MAP

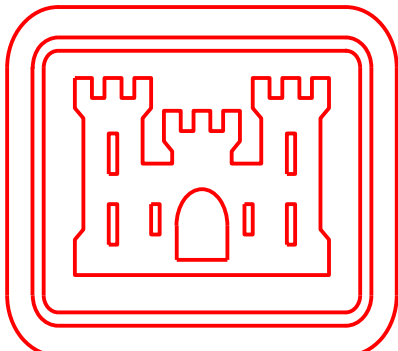


Ohio Army National Guard



Ohio

Produced in December 2020 for:



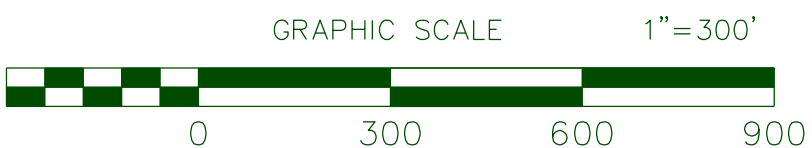
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

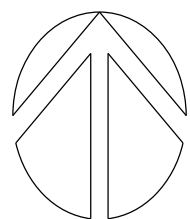
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

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Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



THIS MAP IS INTENDED TO DISPLAYED and/or PLOTTED @ 1"=300'  
on a 22"x34" Page. When Plotting at half size, being 11"x17", scale will be 1"= 600'

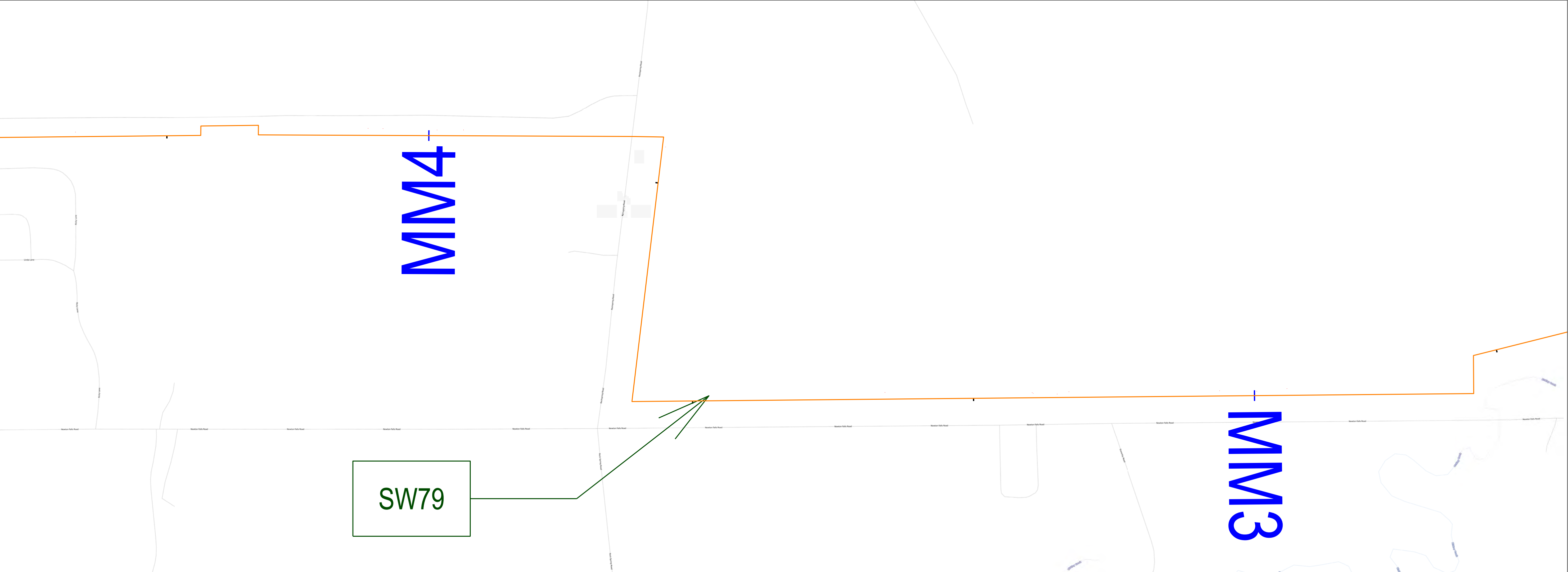


## LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR SW78



# DETAIL SHEET FOR SW79



Fence Damage at Mile 3.49

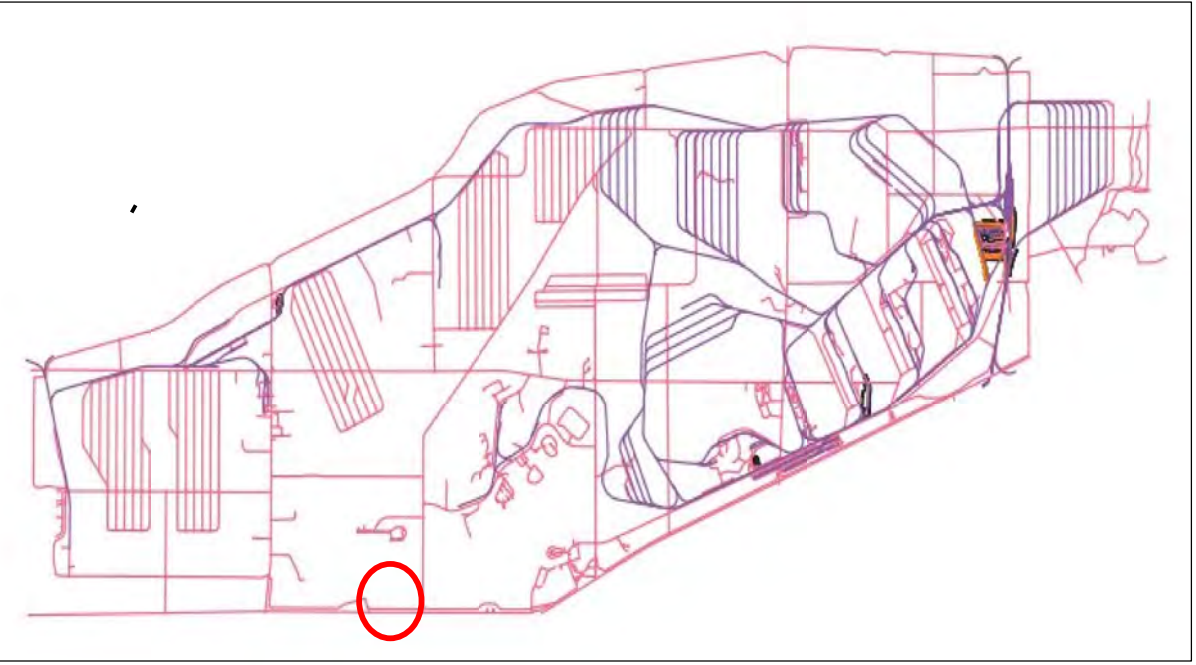
Discovered November 10, 2020



Repaired. New fencing, posts and post foundations were installed between December 2020 and January 2021 between mile markers 0.9 and 5.0. Photo not available.

- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

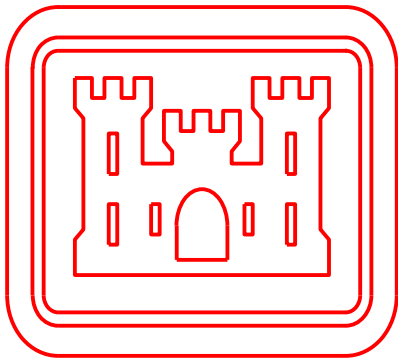


Ohio Army National Guard



Ohio

Produced in December 2020 for:



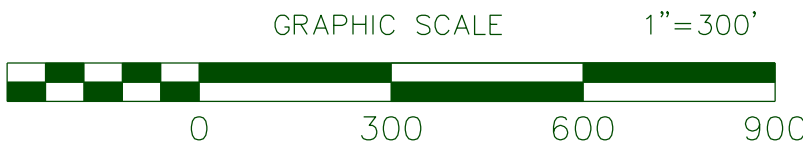
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

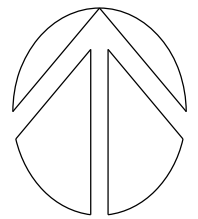
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

Coordinates shown hereon are referenced to NAD83,  
Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



THIS MAP IS INTENDED TO DISPLAYED and/or PLOTTED @ 1"=300'  
on a 22"x34" Page. When Plotting at half size, being 11"x17", scale will be 1"= 600'

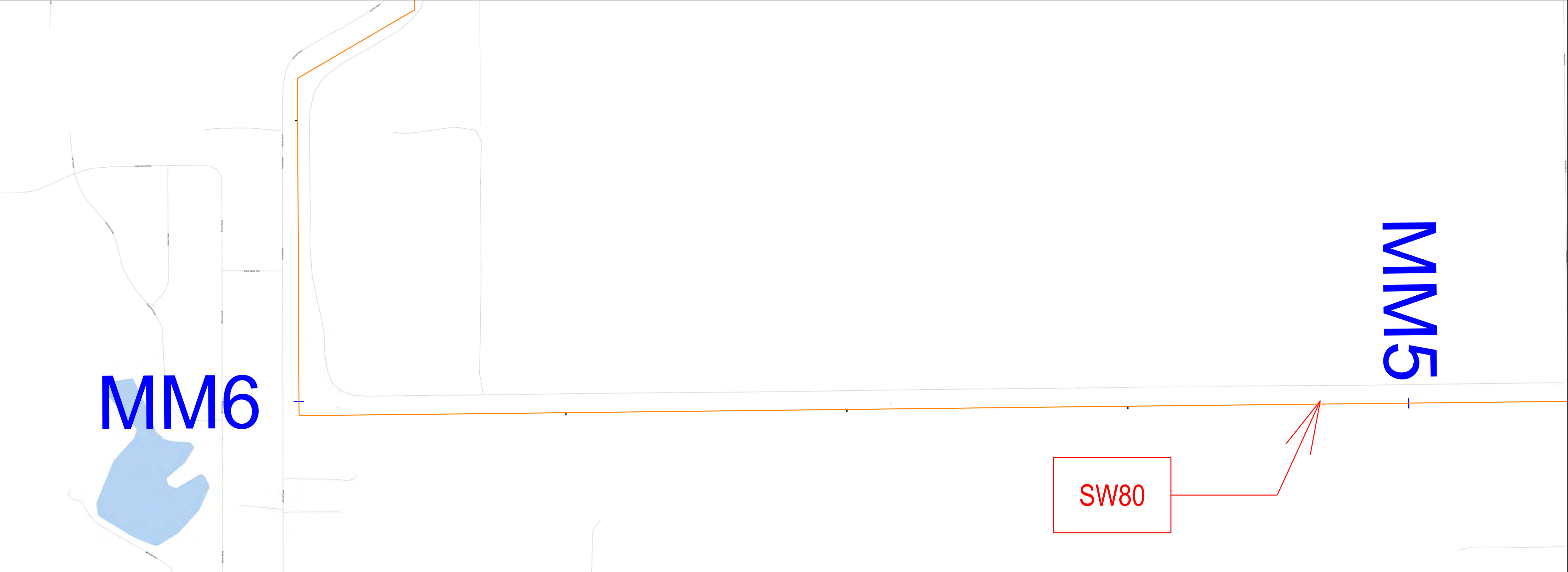


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR SW79



# DETAIL SHEET FOR SW80



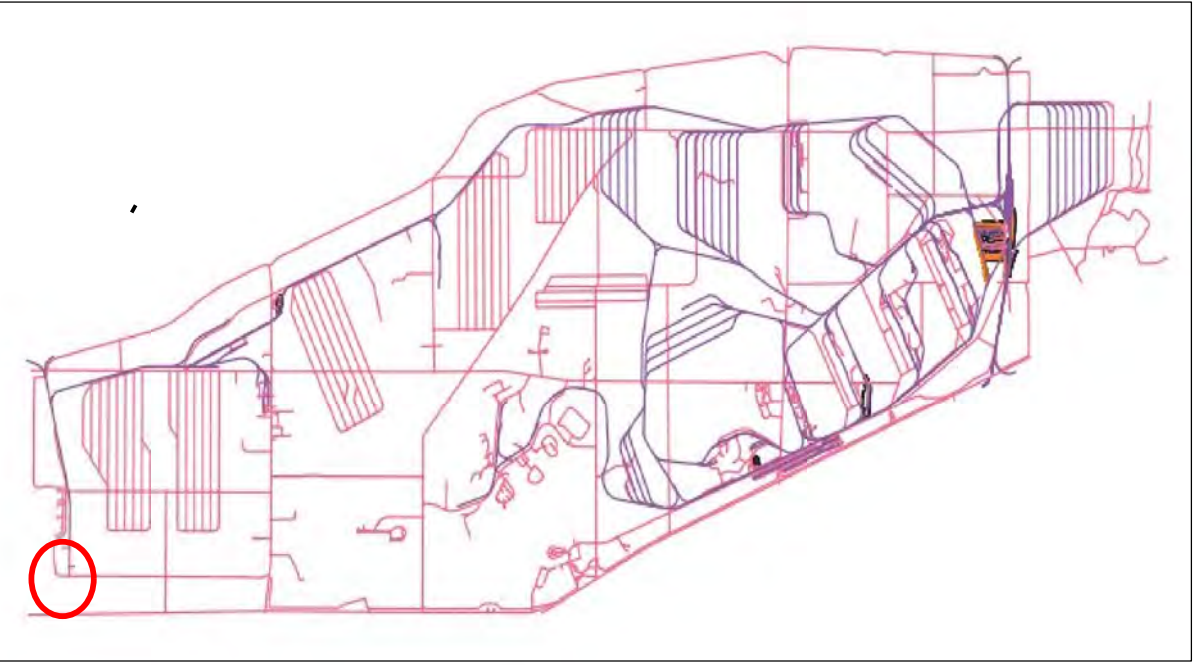
FENCE DAMAGE / POACHER HOLE MILE 5.08

DISCOVERED 11/10/2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

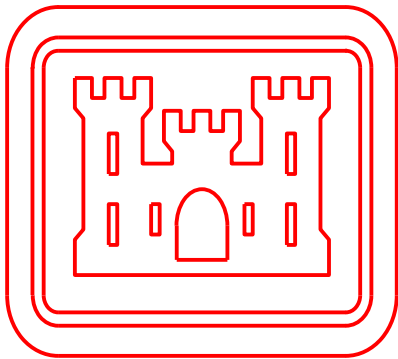


Ohio Army National Guard



Ohio

Produced in April 2020 for:



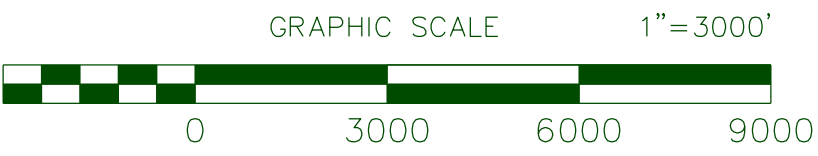
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

Coordinates shown hereon are referenced to NAD83,  
Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



THIS MAP IS INTENDED TO DISPLAYED and/or PLOTTED @ 1"=100'  
on a 8.5"x11" Page

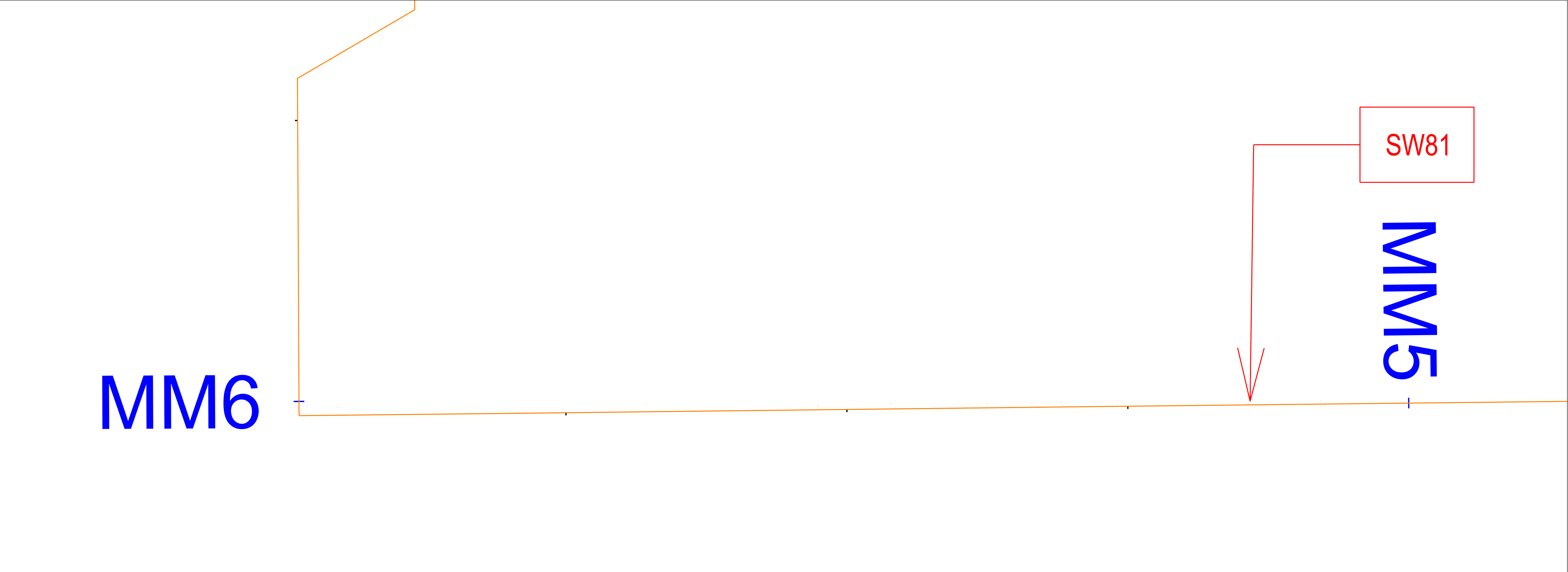


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR SW80



DETAIL SHEET FOR SW81



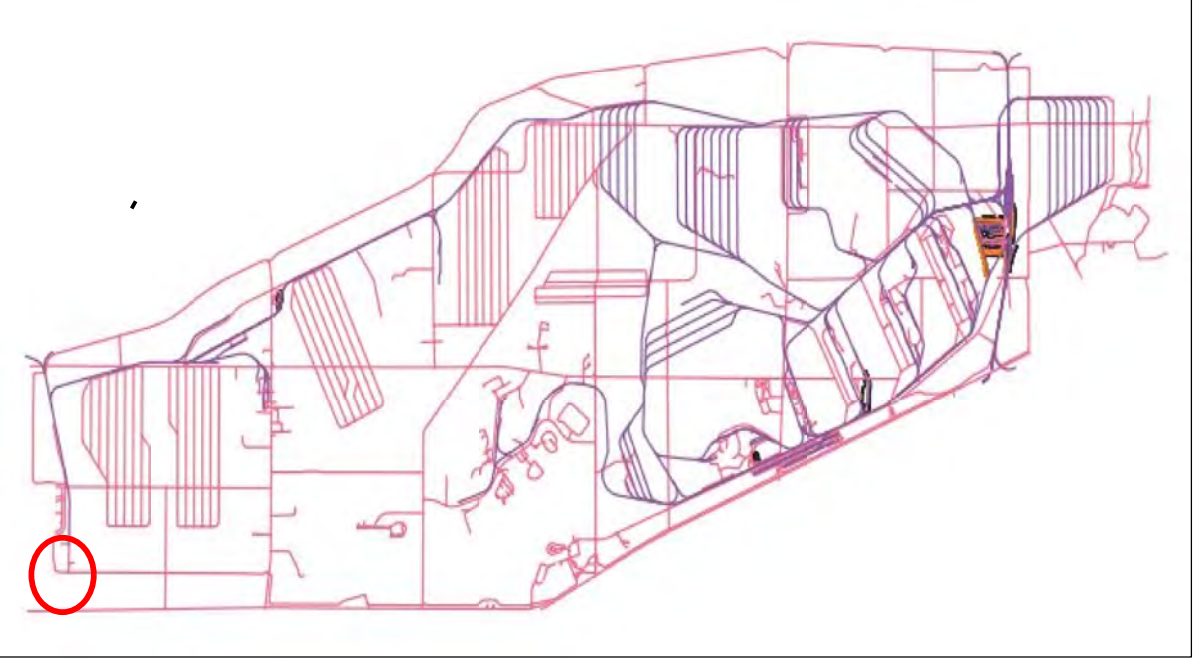
FENCE DAMAGE / POACHER HOLE MILE 5.14

DISCOVERED 11/10/2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

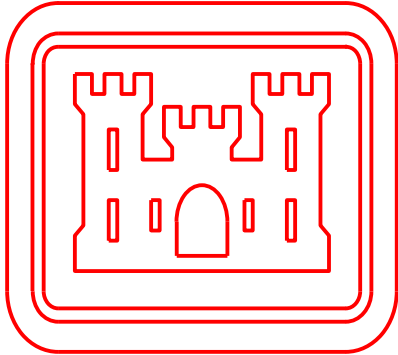


Ohio Army National Guard



Ohio

Produced in December 2020 for:



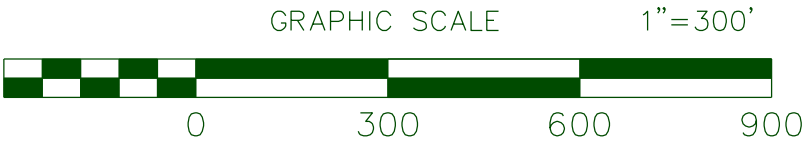
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

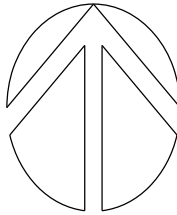
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

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Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



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on a 22"x34" Page. When Plotting at half size, being 11"x17", scale will be 1"= 600'

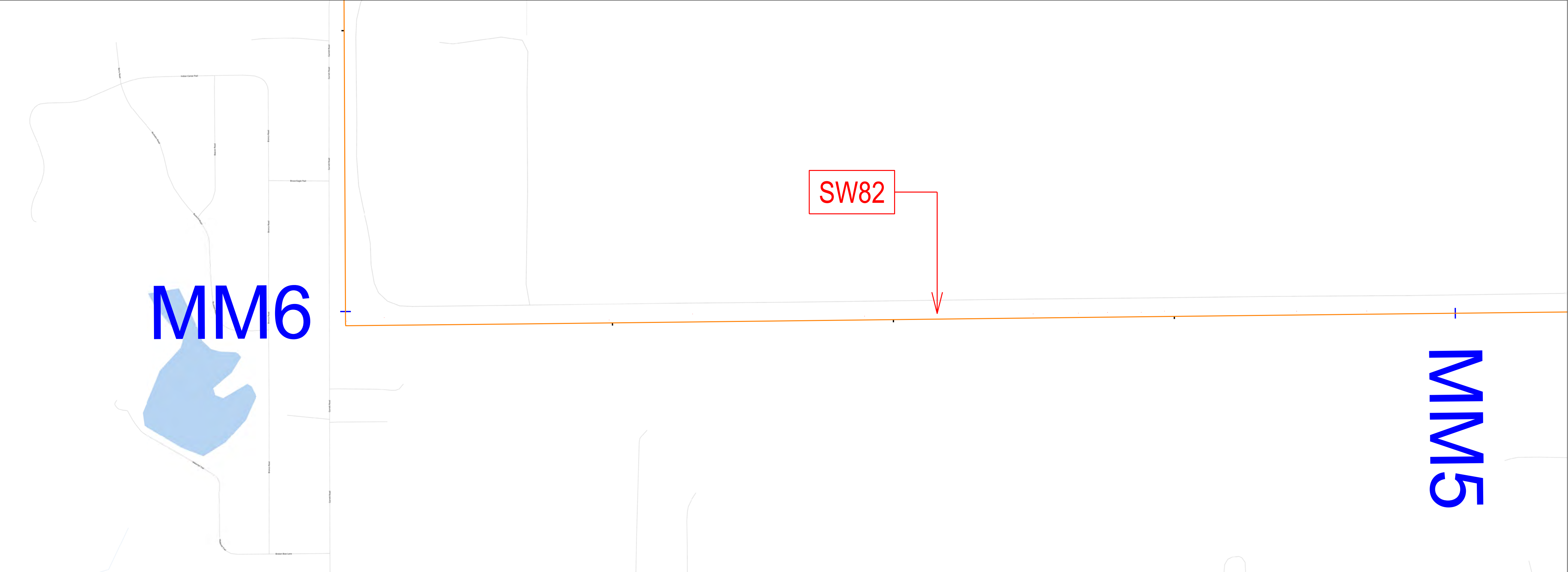


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR SW81



# DETAIL SHEET FOR SW82



Fence Damage / Pocaher Hole at Mile 5.46

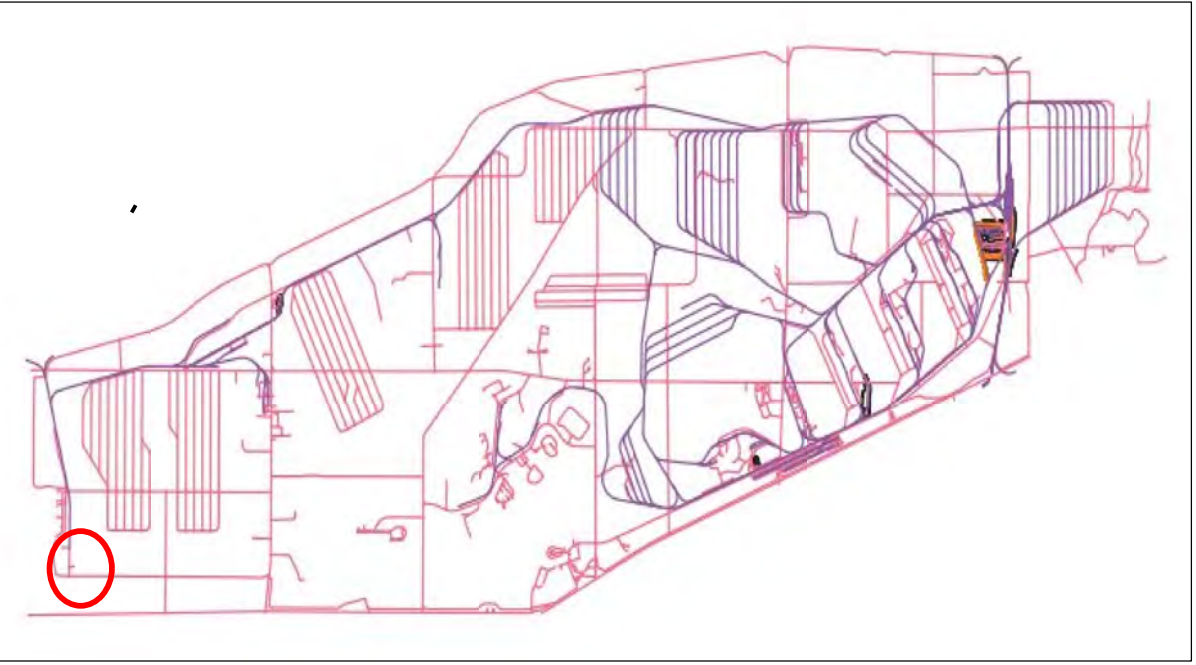
Discovered November 10, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

## LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

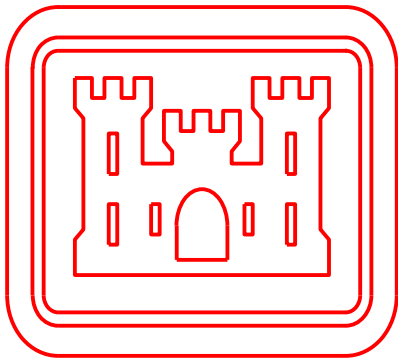


Ohio Army National Guard



Ohio

Produced in December 2020 for:



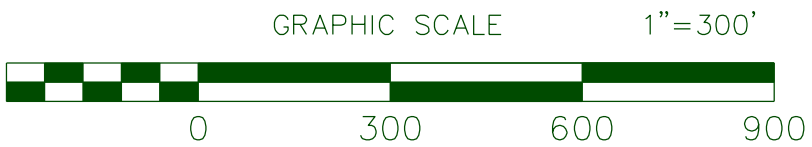
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

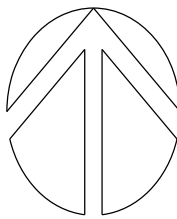
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

Coordinates shown hereon are referenced to NAD83,  
Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



THIS MAP IS INTENDED TO DISPLAYED and/or PLOTTED @ 1"=300'  
on a 22"x34" Page. When Plotting at half size, being 11"x17", scale will be 1"= 600'



DETAIL SHEET FOR SW82



# DETAIL SHEET FOR SW83



Fence Damage / Pocaher Hole at Mile 5.75

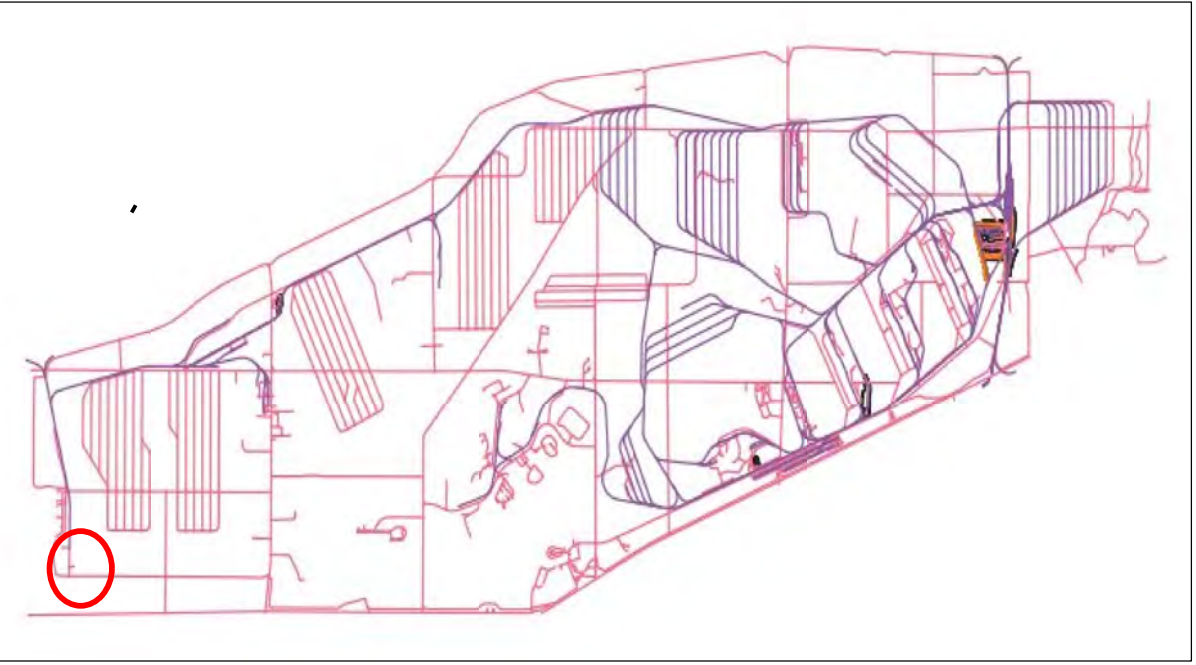
Discovered November 10, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

## LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

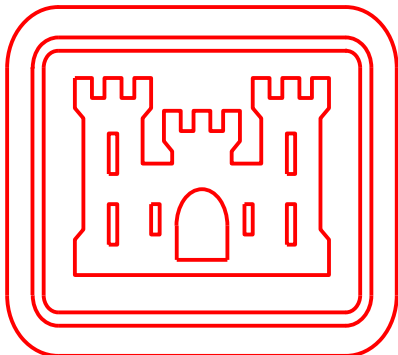


Ohio Army National Guard



Ohio

Produced in December 2020 for:



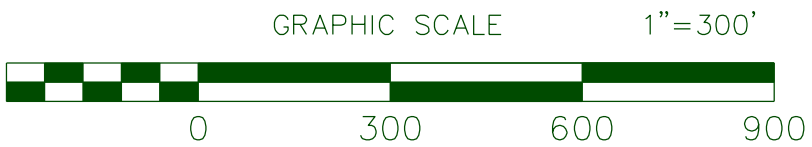
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

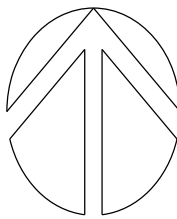
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Services, LLC

Coordinates shown hereon are referenced to NAD83,  
Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



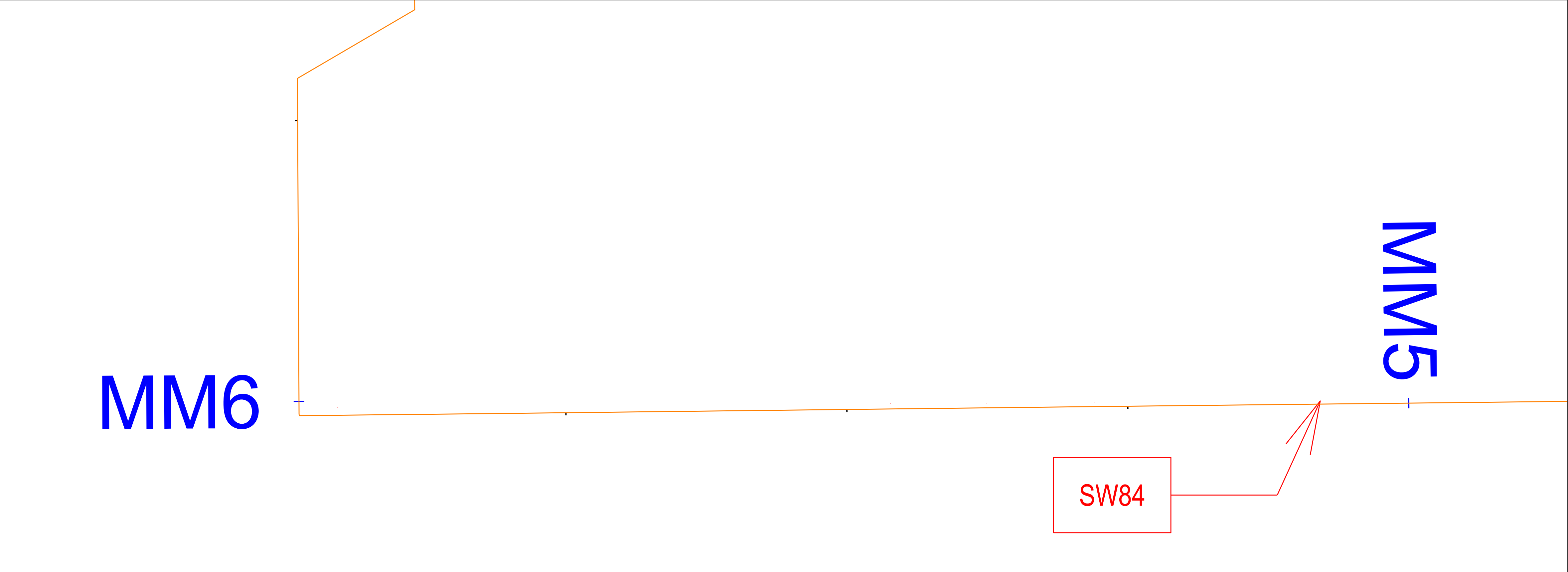
THIS MAP IS INTENDED TO DISPLAYED and/or PLOTTED @ 1"=300'  
on a 22"x34" Page. When Plotting at half size, being 11"x17", scale will be 1"= 600'



DETAIL SHEET FOR SW83



DETAIL SHEET FOR SW84



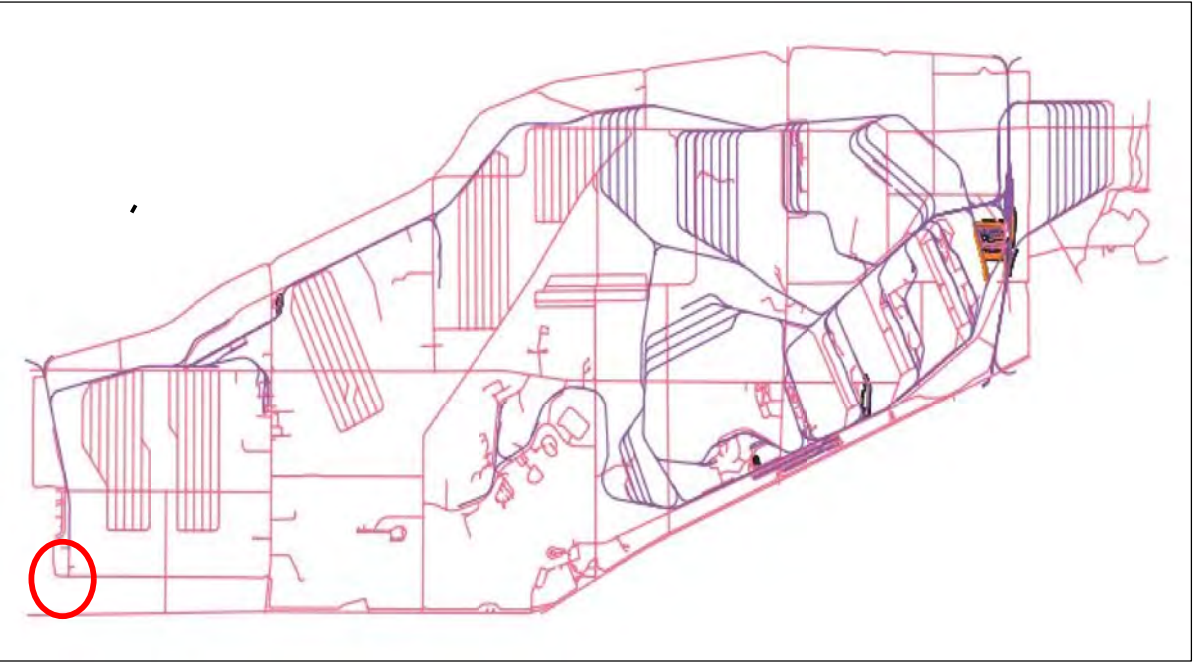
FENCE DAMAGE / POACHER HOLE MILE 5.08

DISCOVERED 11/10/2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

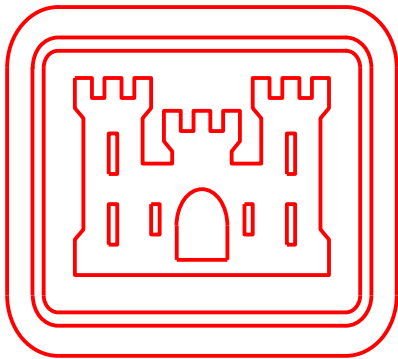


Ohio Army National Guard



Ohio

Produced in December 2020 for:



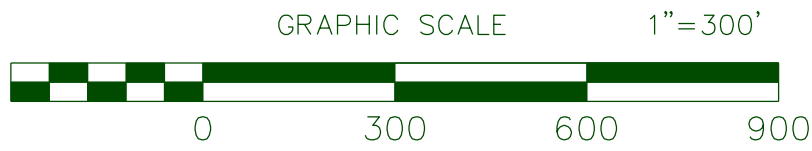
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

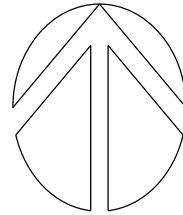
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

Coordinates shown hereon are referenced to NAD83,  
Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



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on a 22"x34" Page. When Plotting at half size, being 11"x17", scale will be 1"= 600'

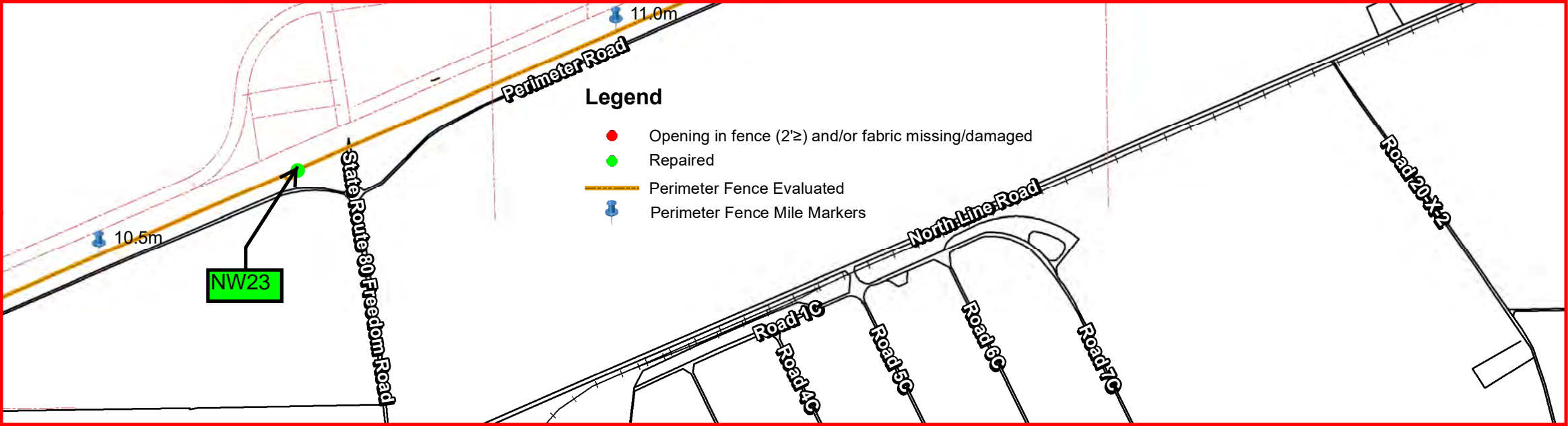


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

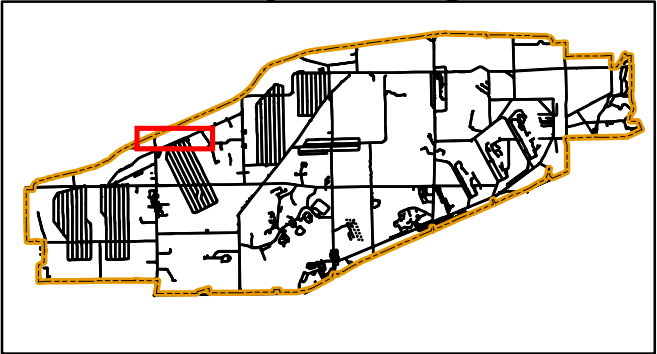
DETAIL SHEET FOR SW84



DETAIL SHEET FOR NW23



Camp James A. Garfield  
Joint Military Training Center



Portage & Trumbull County

LOCATOR MAP



Ohio Army National Guard



LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

REPAIRED; STATUS PHOTO on 1-14-2021

PHOTO NW23 discovered 12/30/2019



Produced in January 2021 for:



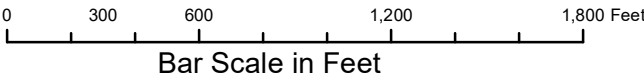
**US Army Corps of  
Engineers**

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

Louisville District



Projection Datum is NAD83, Ohio State  
Plane Rectangular Grid, North Zone



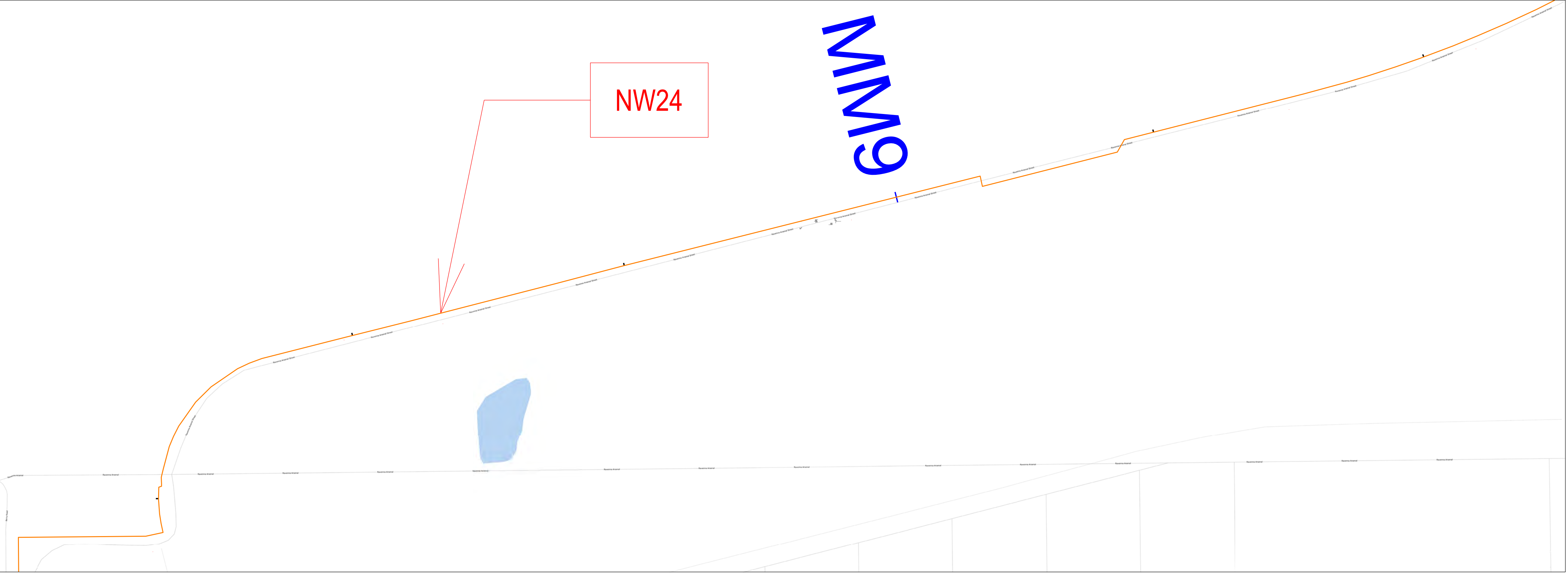
Camp James A. Garfield JMTC  
1438 State Route 534 SW  
Newton Falls, OH 44444

MGRS 17T NF01946150 (NAD83)

DETAIL SHEET FOR NW23



# DETAIL SHEET FOR NW24



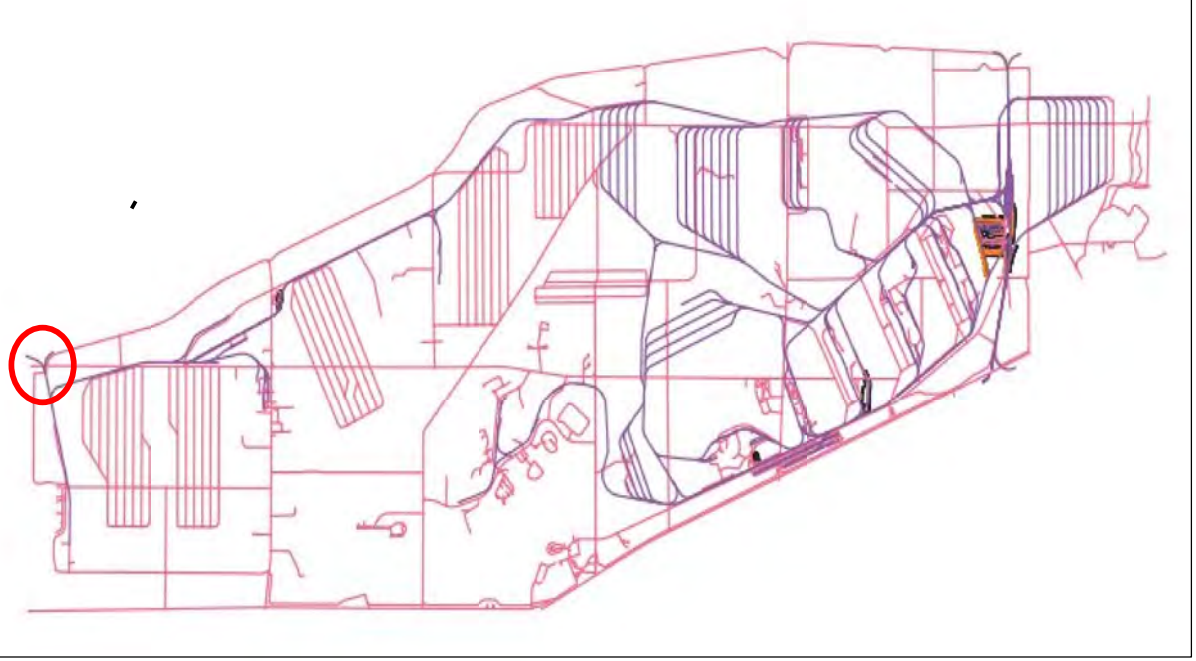
Tree on Fence at Mile 8.58

Discovered November 16, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

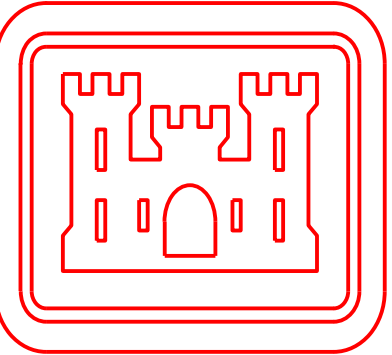


Ohio Army National Guard



Ohio

Produced in December 2020



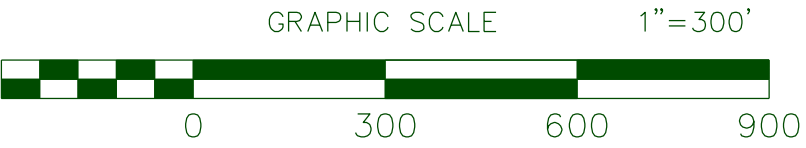
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

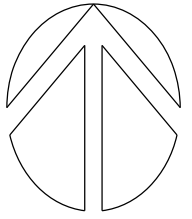
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

Coordinates shown hereon are referenced to NAD83,  
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Bearings shown hereon are Grid North



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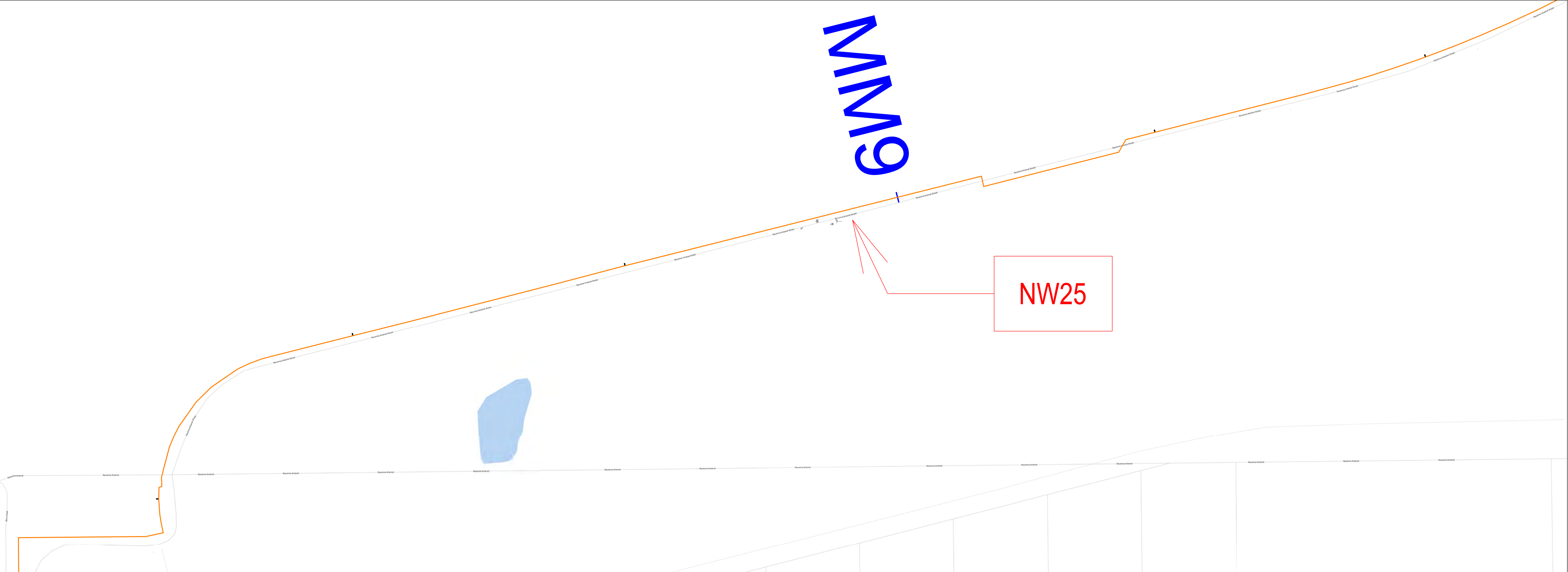


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR NW24



# DETAIL SHEET FOR NW25



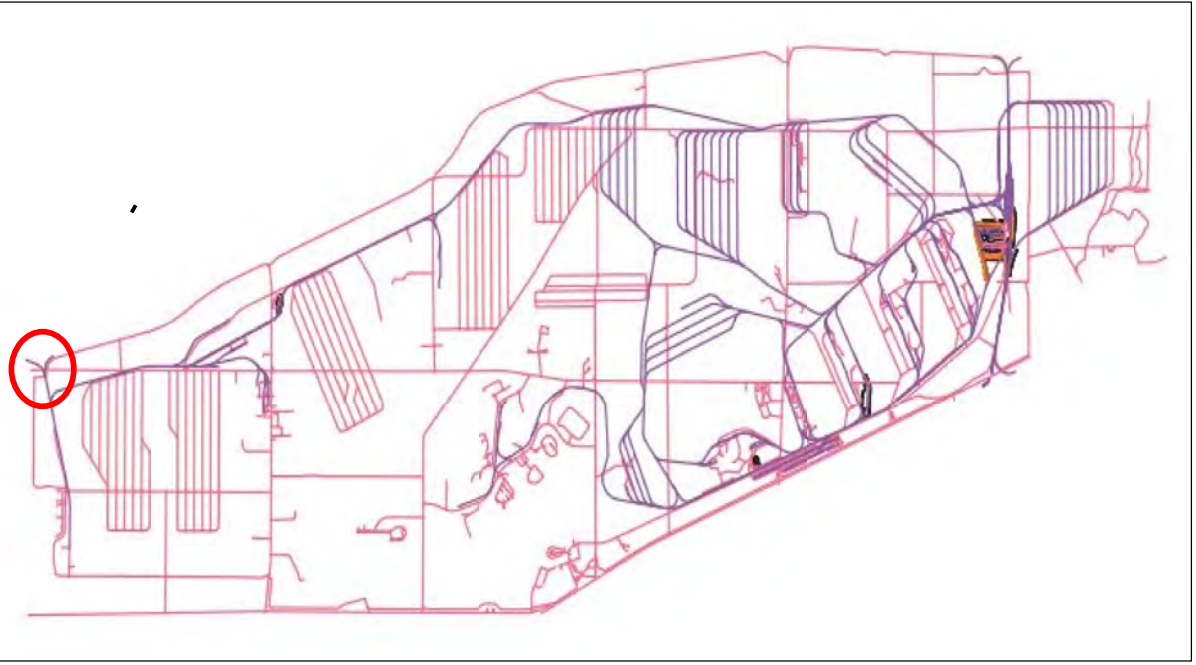
Tree on Fence at Mile 8.96

Discovered November 16, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

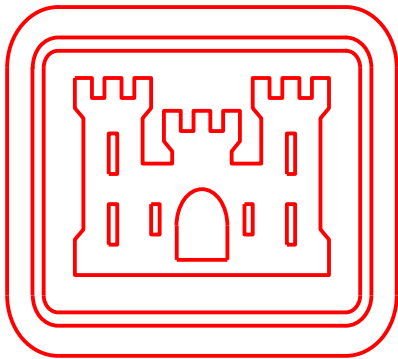


Ohio Army National Guard



Ohio

Produced in December 2020



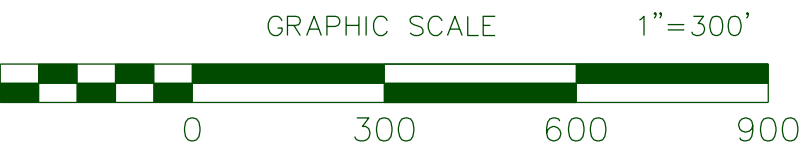
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

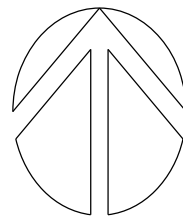
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

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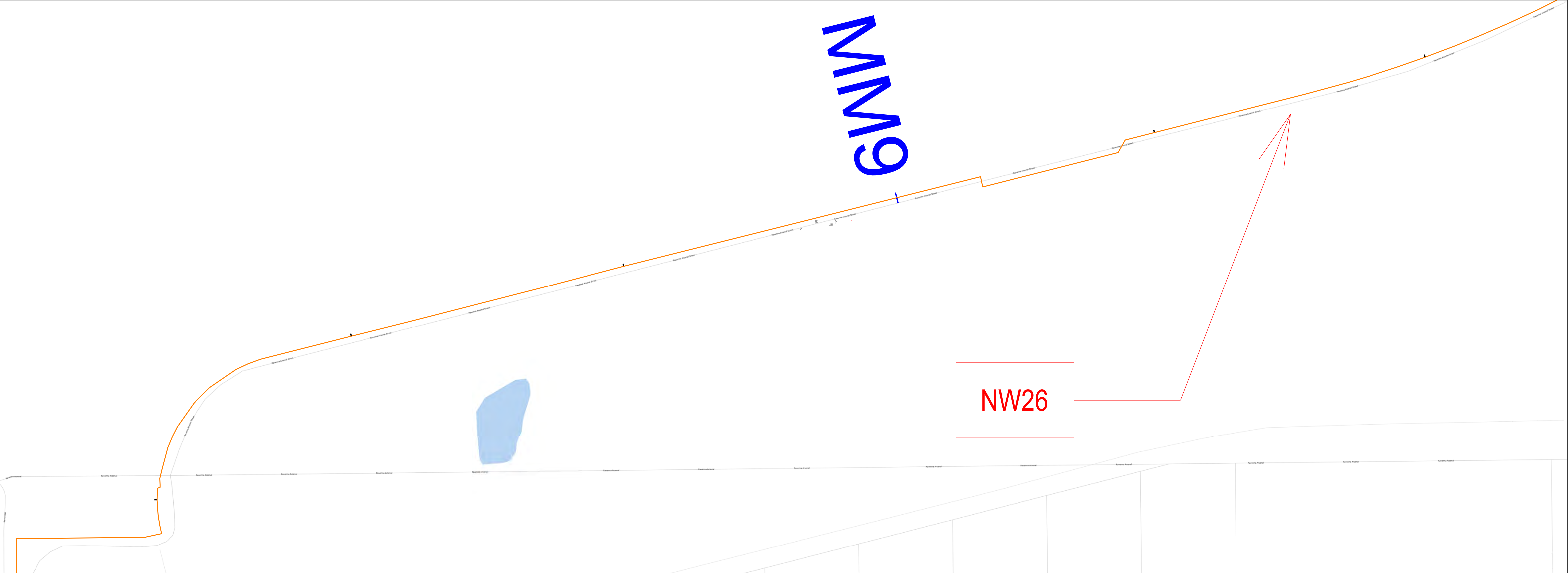


## LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR NW25



# DETAIL SHEET FOR NW26



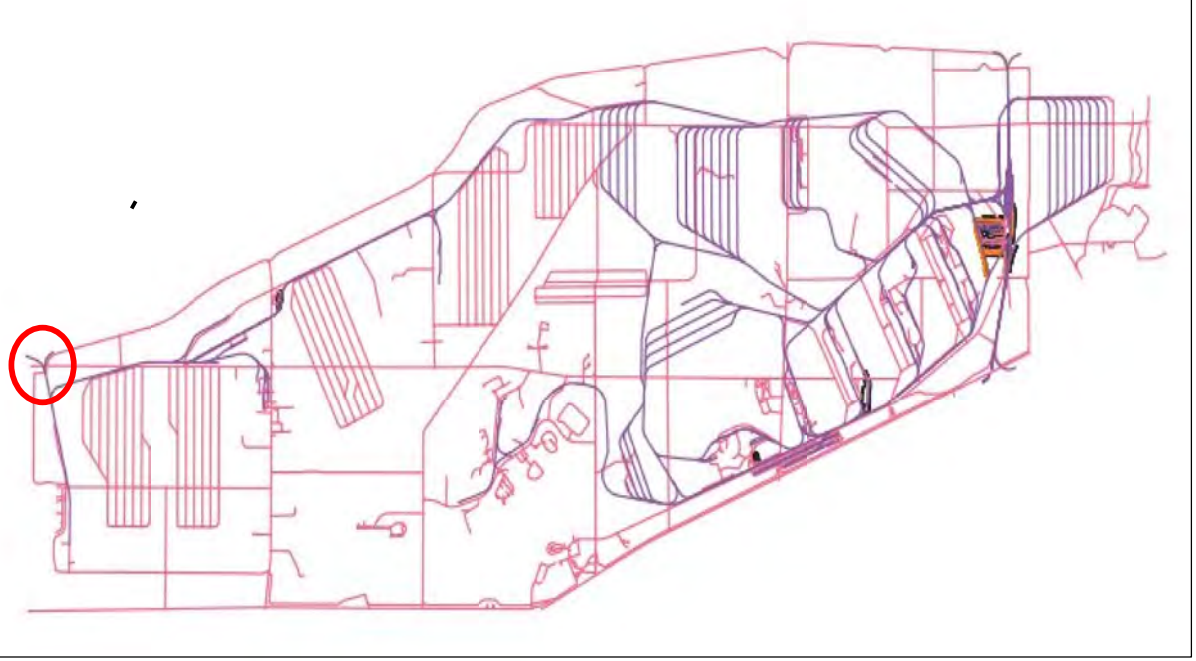
Tree on Fence at Mile 9.37

Discovered November 16, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

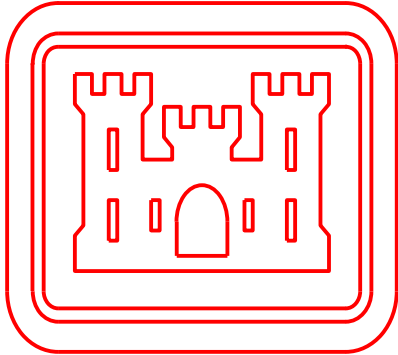


Ohio Army National Guard



Ohio

Produced in December 2020



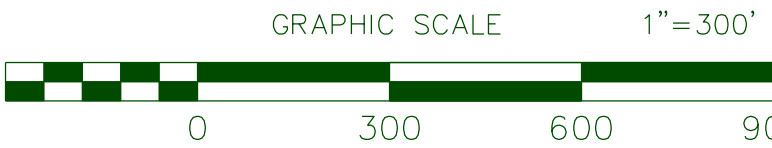
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

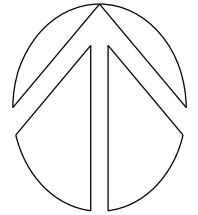
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

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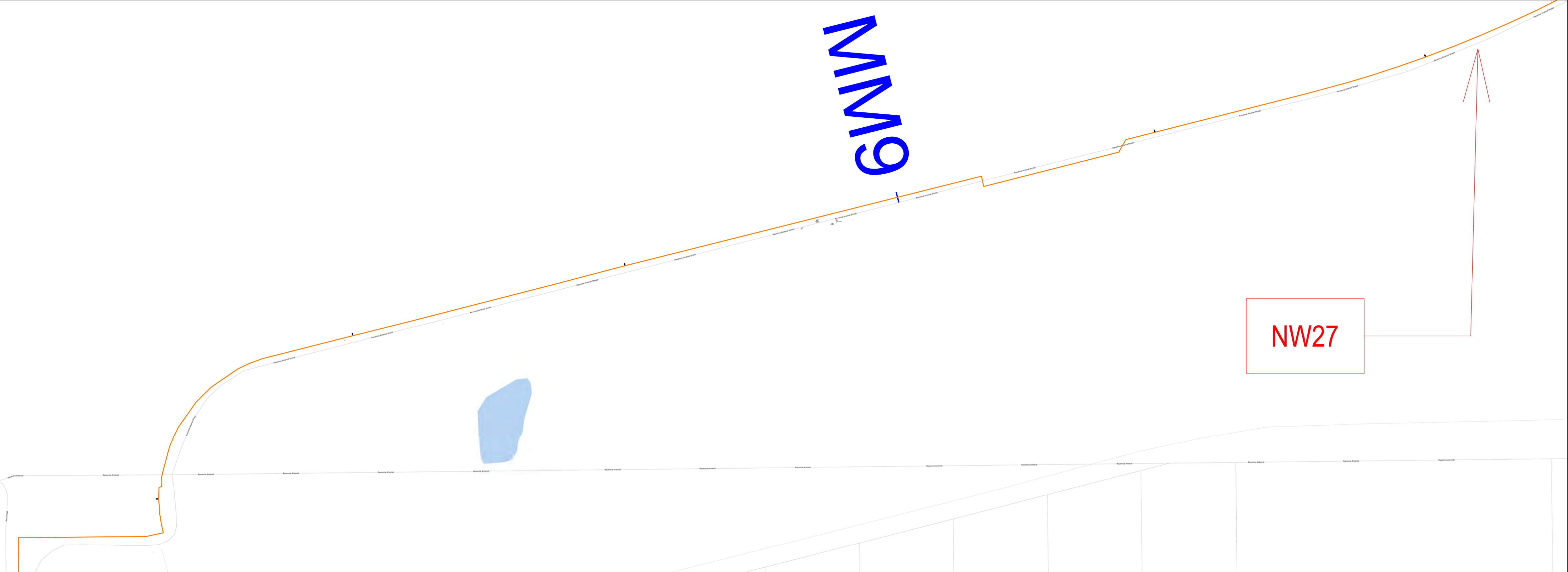


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR NW26



# DETAIL SHEET FOR NW27



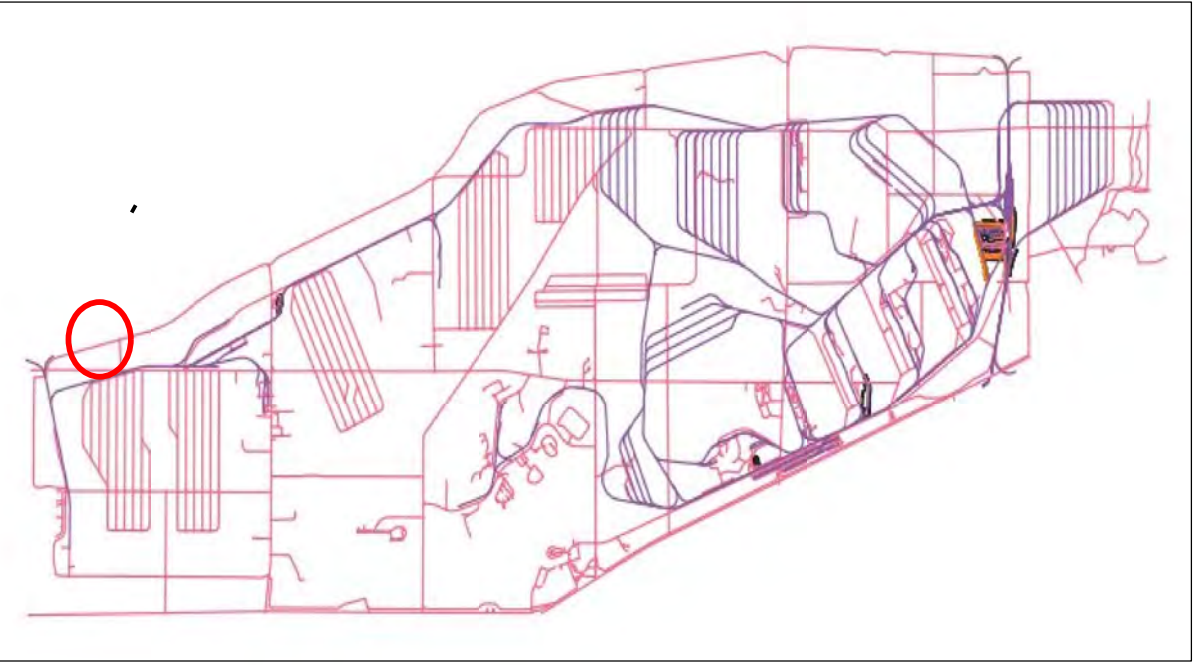
Tree on Fence at Mile 9.62

Discovered November 16, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

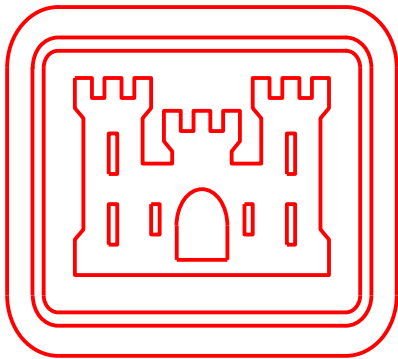


Ohio Army National Guard



Ohio

Produced in December 2020



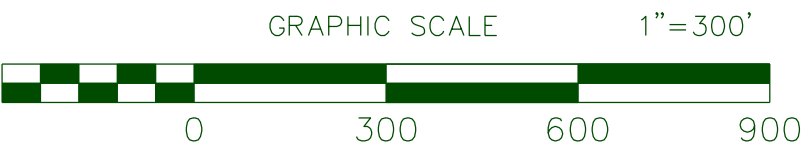
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

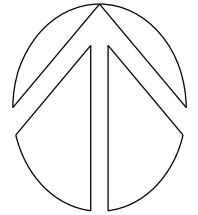
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

Coordinates shown hereon are referenced to NAD83,  
Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



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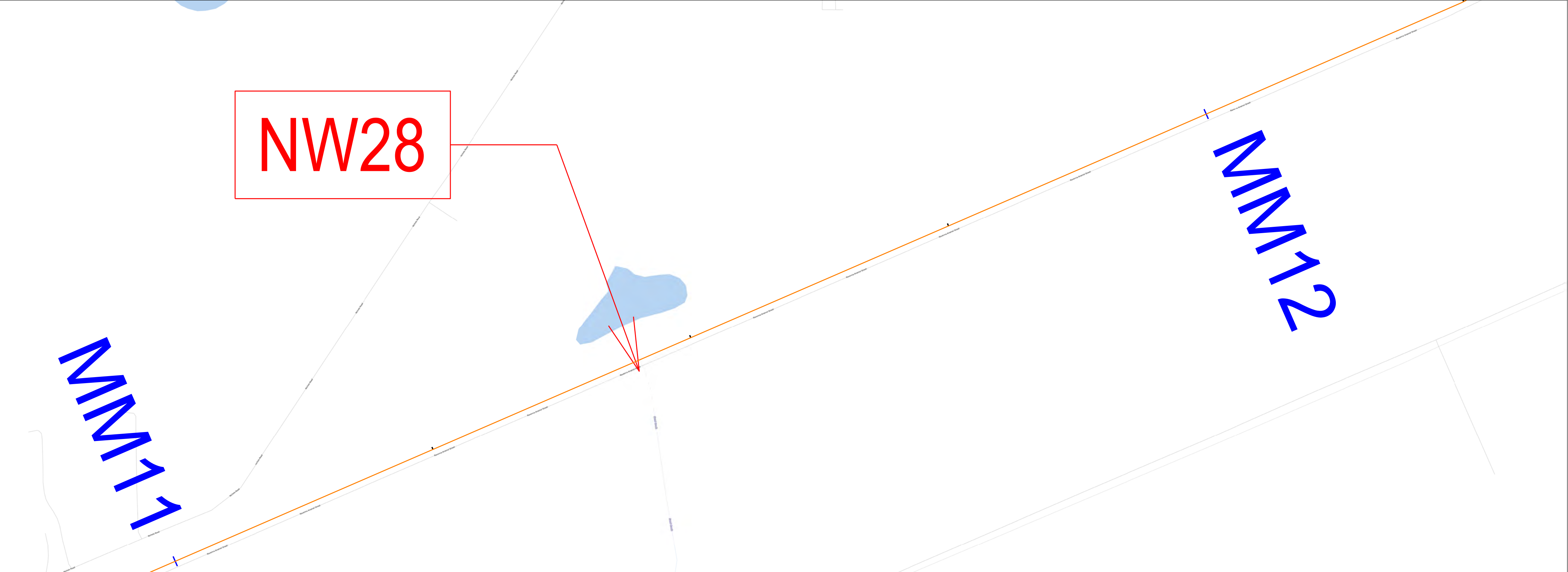


## LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR NW27



# DETAIL SHEET FOR NW28



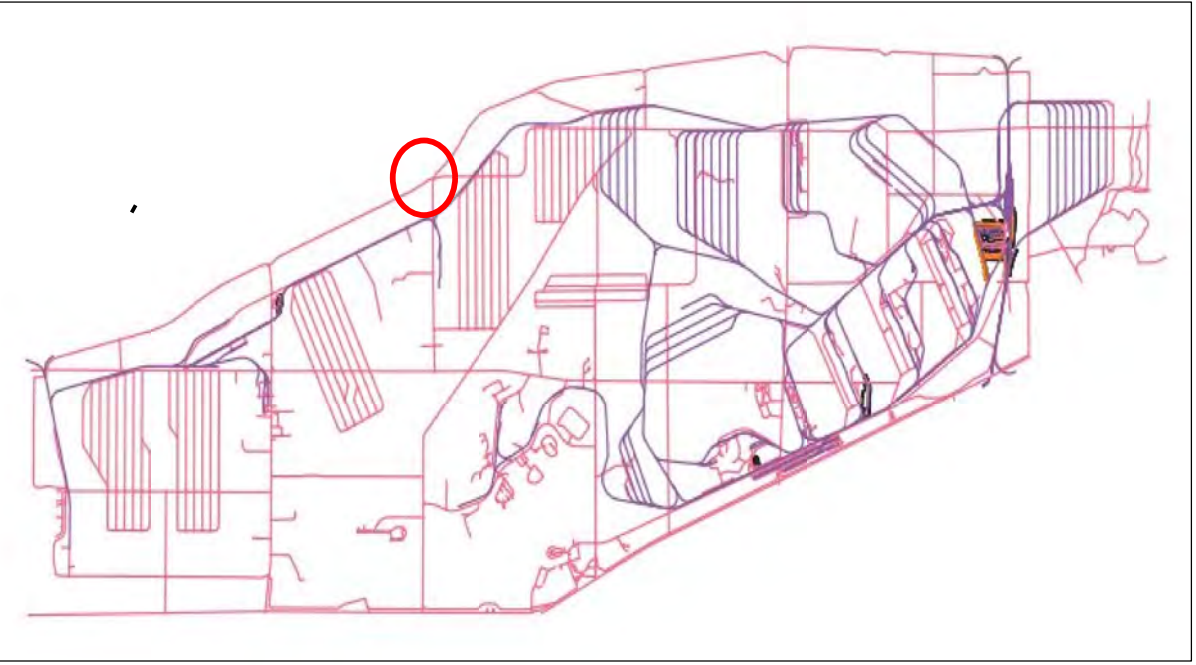
Tree on Fence at Mile 11.45

Discovered November 16, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

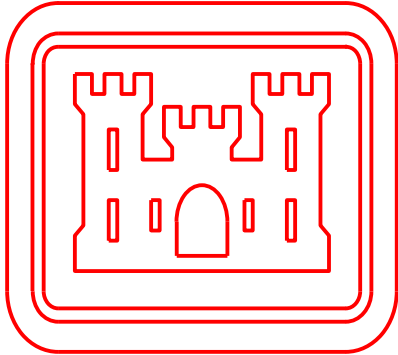


Ohio Army National Guard



Ohio

Produced in December 2020 for:



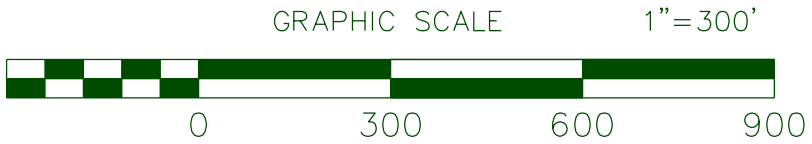
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

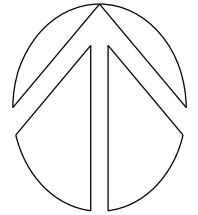
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

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Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



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## LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR NW28



# DETAIL SHEET FOR NW29



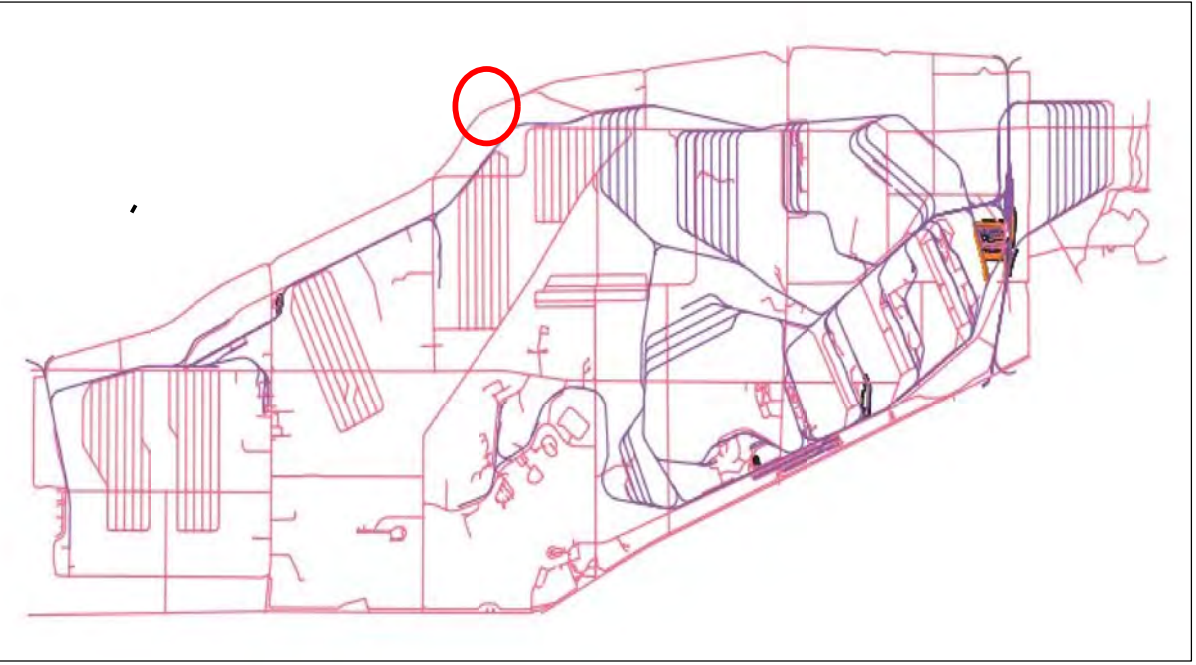
Tree on Fence at Mile 13.25

Discovered November 16, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

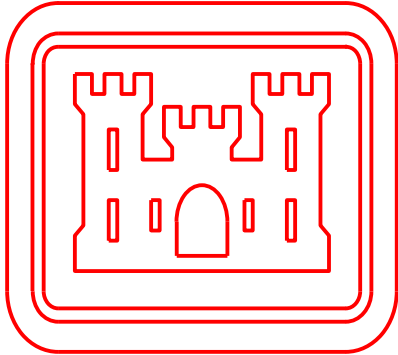


Ohio Army National Guard



Ohio

Produced in December 2020 for:



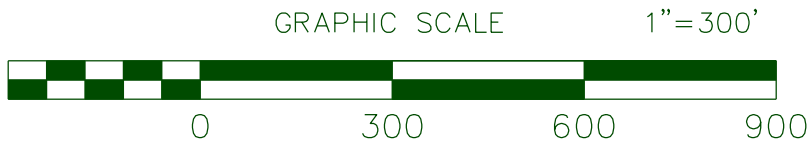
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

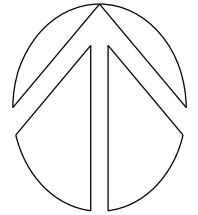
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

Coordinates shown hereon are referenced to NAD83,  
Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



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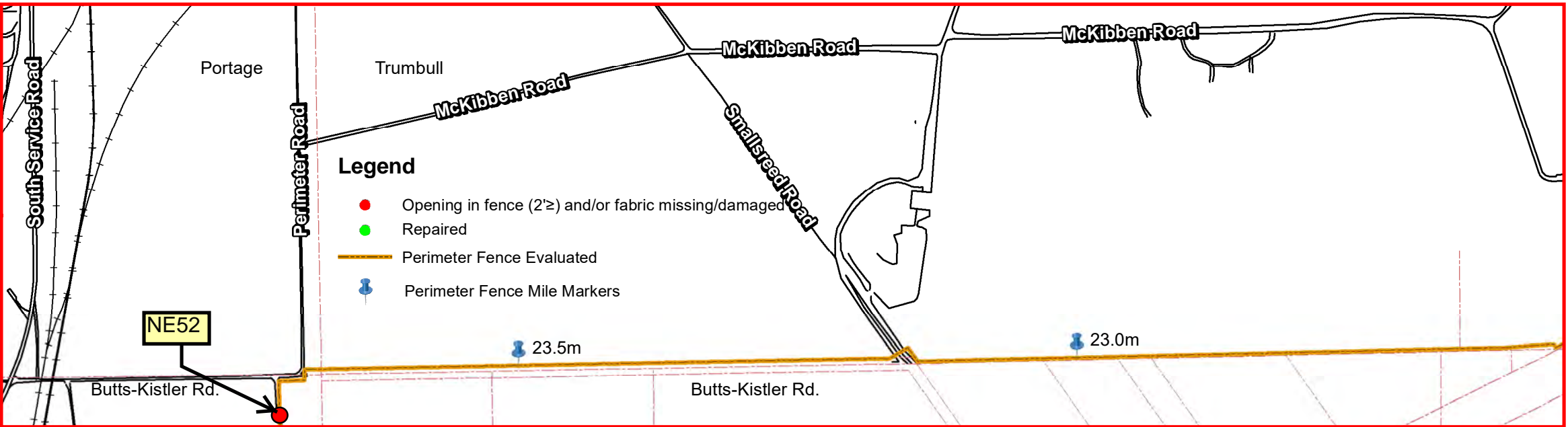


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

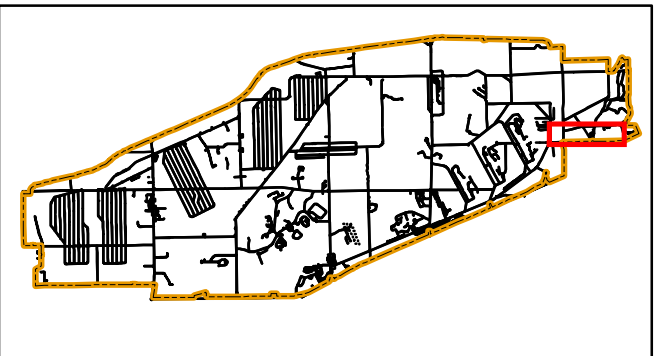
DETAIL SHEET FOR NW29



DETAIL SHEET FOR NE52



Camp James A. Garfield  
Joint Military Training Center



Portage & Trumbull County  
**LOCATOR MAP**



Ohio Army National Guard



LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

UPDATE PHOTO on 1/14/2021



PHOTO NE52 discovered 1/03/2020



Produced in January 2021 for:



**US Army Corps of  
Engineers**

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

Louisville District



Projection Datum is NAD83, Ohio State  
Plane Rectangular Grid, North Zone

0 300 600 1,200 1,800 Feet  
Bar Scale in Feet



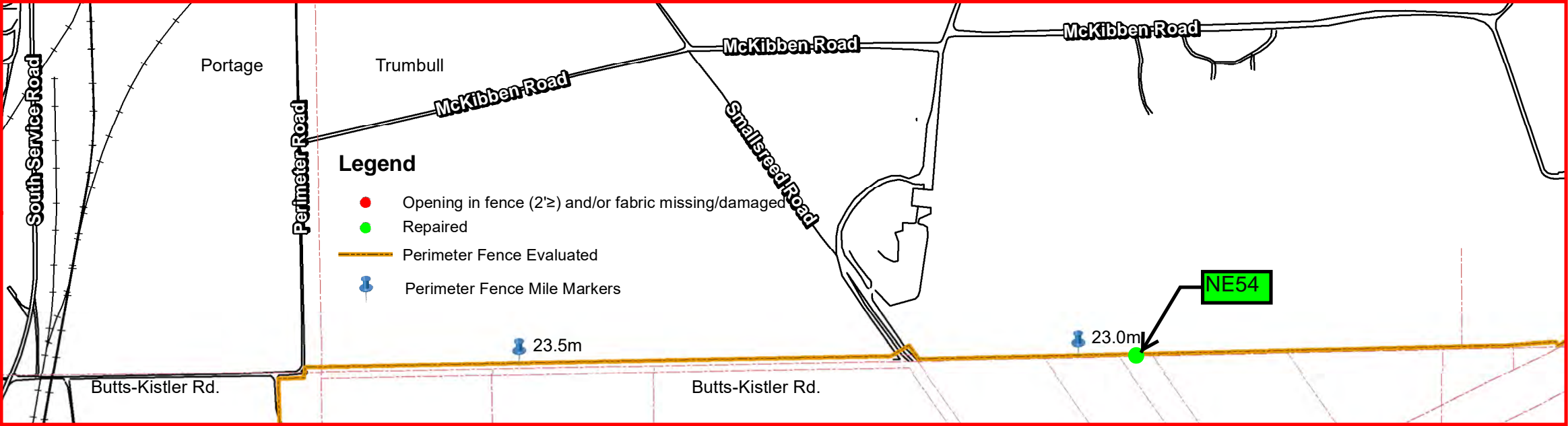
Camp James A. Garfield JMTc  
1438 State Route 534 SW  
Newton Falls, OH 44444

MGRS 17T NF01946150 (NAD83)

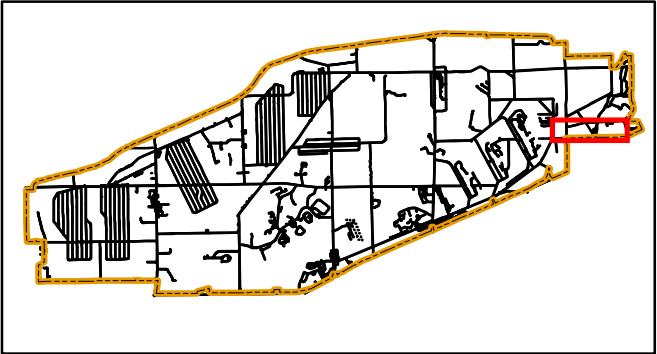
DETAIL SHEET FOR NE52



DETAIL SHEET FOR NE54



Camp James A. Garfield  
Joint Military Training Center



Portage & Trumbull County  
**LOCATOR MAP**



Ohio Army National Guard



Ohio

LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

REPAIRED: STATUS PHOTO on 1/14/2021



PHOTO NE54 discovered 1/03/2020



Produced in January 2021 for:



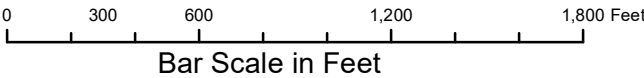
**US Army Corps of  
Engineers**

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

Louisville District



Projection Datum is NAD83, Ohio State  
Plane Rectangular Grid, North Zone



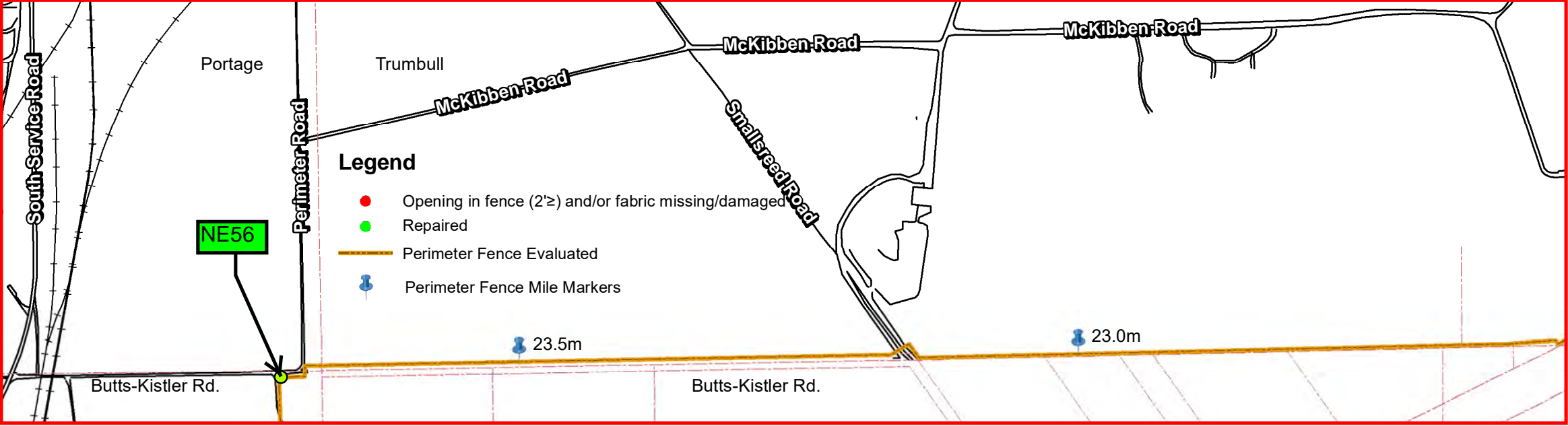
Camp James A. Garfield JMTc  
1438 State Route 534 SW  
Newton Falls, OH 44444

MGRS 17T NF01946150 (NAD83)

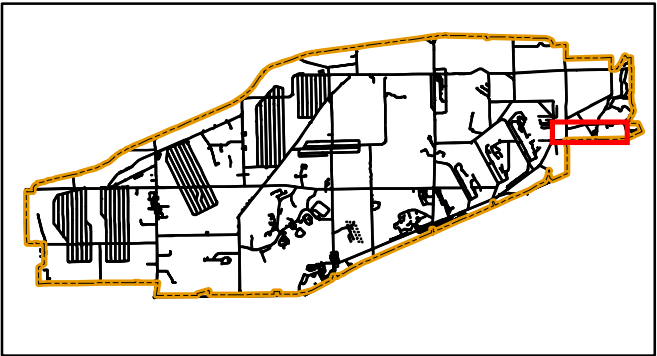
DETAIL SHEET FOR NE54



DETAIL SHEET FOR NE56



Camp James A. Garfield  
Joint Military Training Center



Portage & Trumbull County  
**LOCATOR MAP**



Ohio Army National Guard



LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

REPAIRED: STATUS PHOTO on 1-14-2021



PHOTO NE56 discovered 1/03/2020



Produced in January 2021 for:



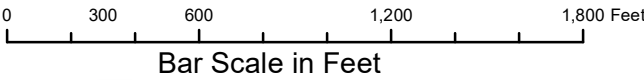
**US Army Corps of  
Engineers**

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

Louisville District



Projection Datum is NAD83, Ohio State  
Plane Rectangular Grid, North Zone



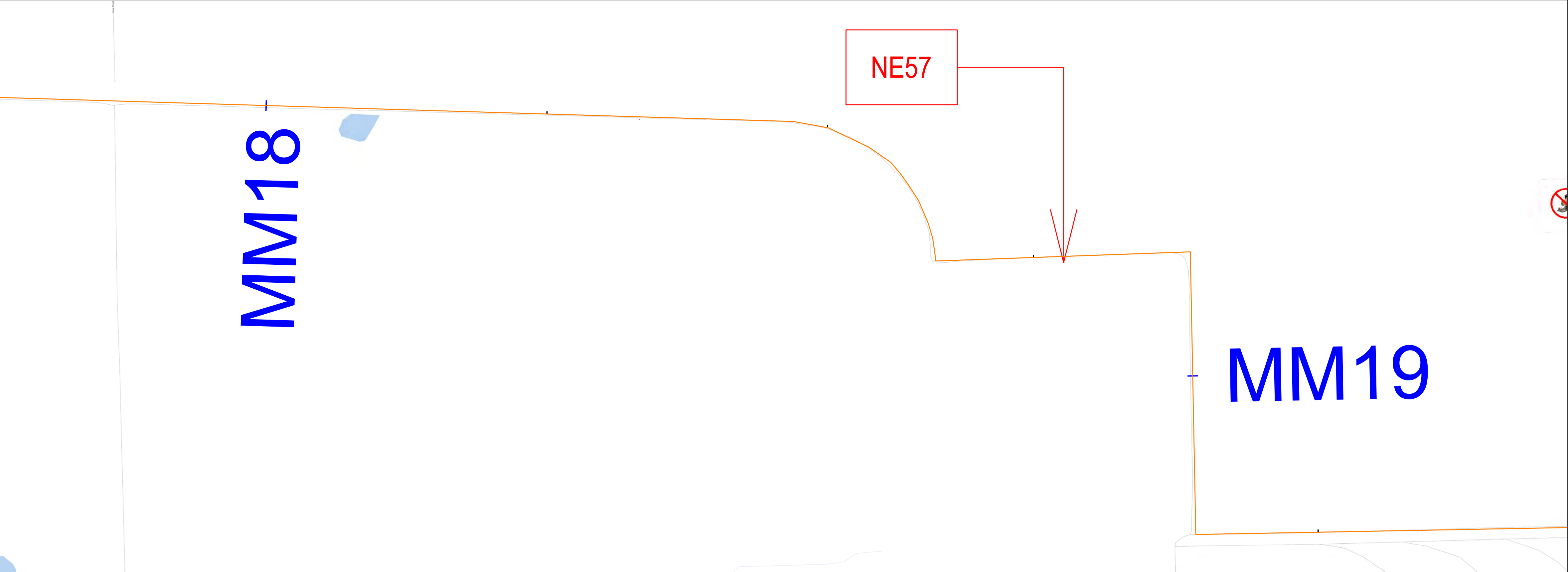
Camp James A. Garfield JMTc  
1438 State Route 534 SW  
Newton Falls, OH 44444

MGRS 17T NF01946150 (NAD83)

DETAIL SHEET FOR NE56



# DETAIL SHEET FOR NE57



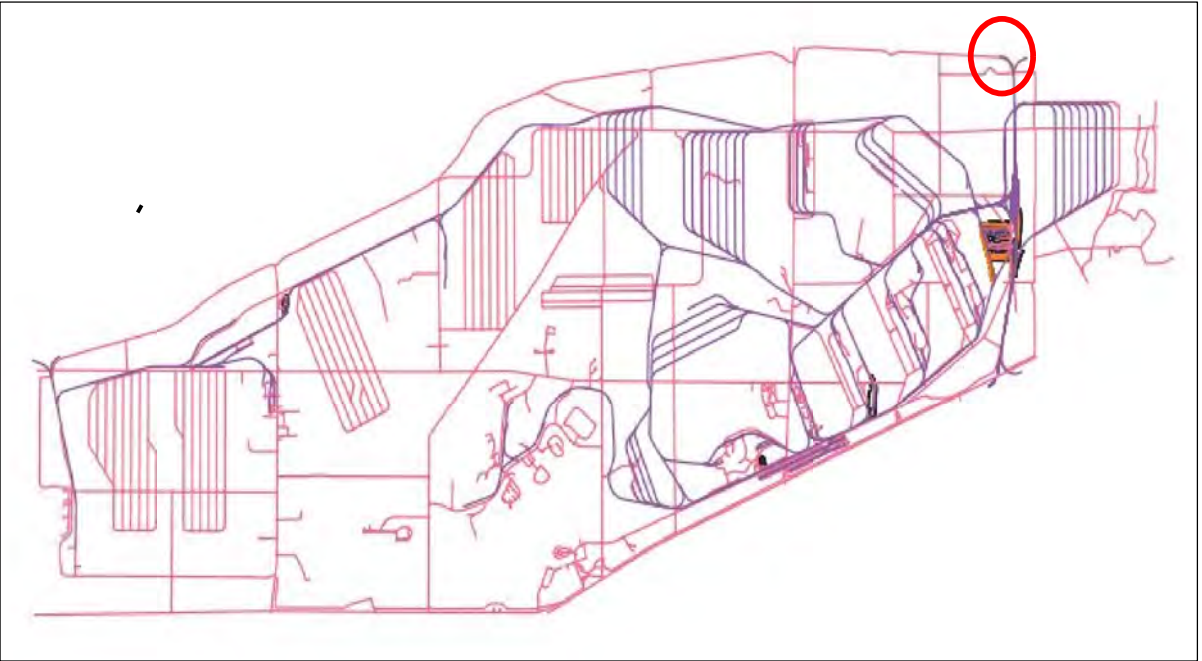
Fence down / culvert breached at Mile 18.78

Discovered November 17, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

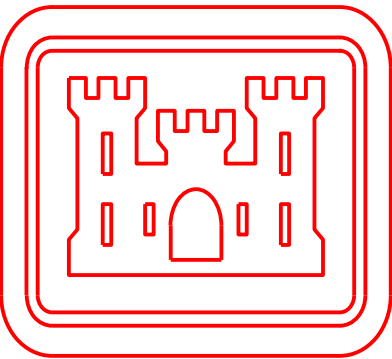


Ohio Army National Guard



Ohio

Produced in December 2020 for:



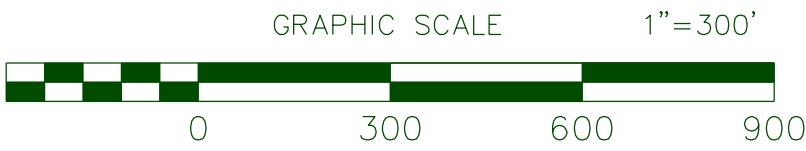
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

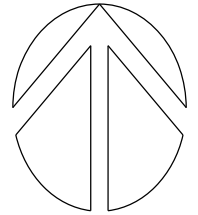
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

Coordinates shown hereon are referenced to NAD83,  
Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



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on a 22"x34" Page. When Plotting at half size, being 11"x17", scale will be 1"= 600'

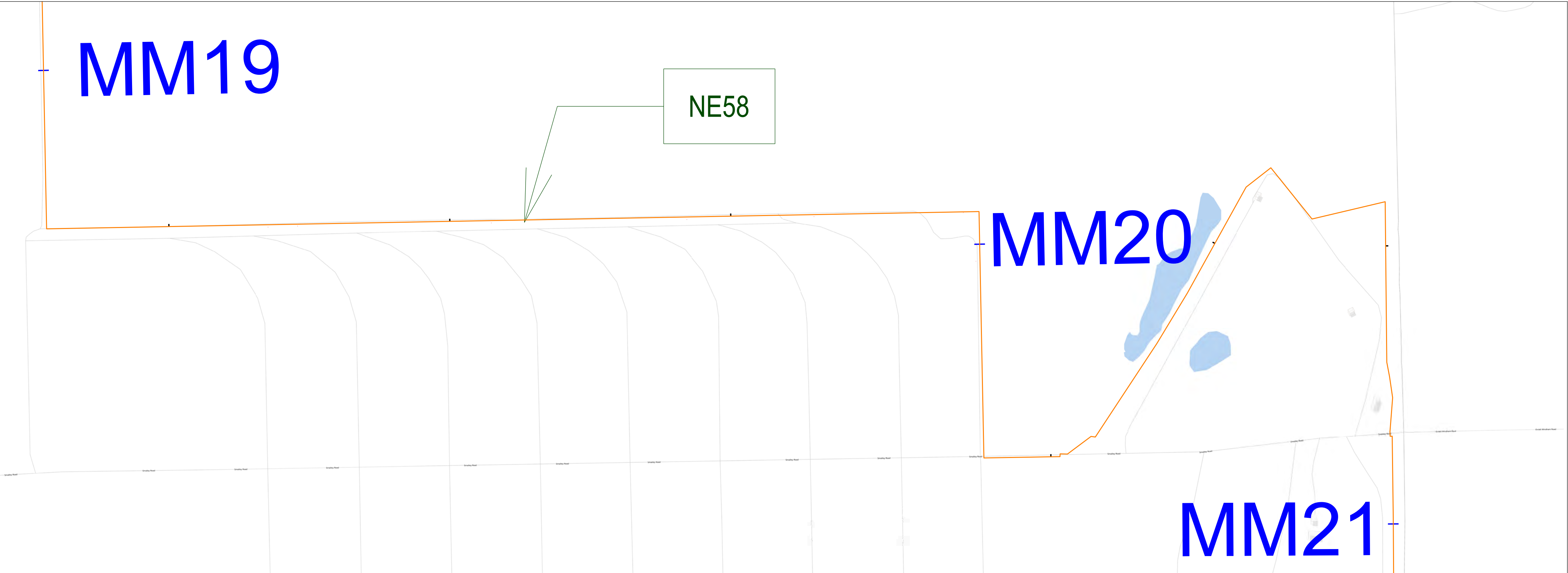


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR NE57



DETAIL SHEET FOR NE58



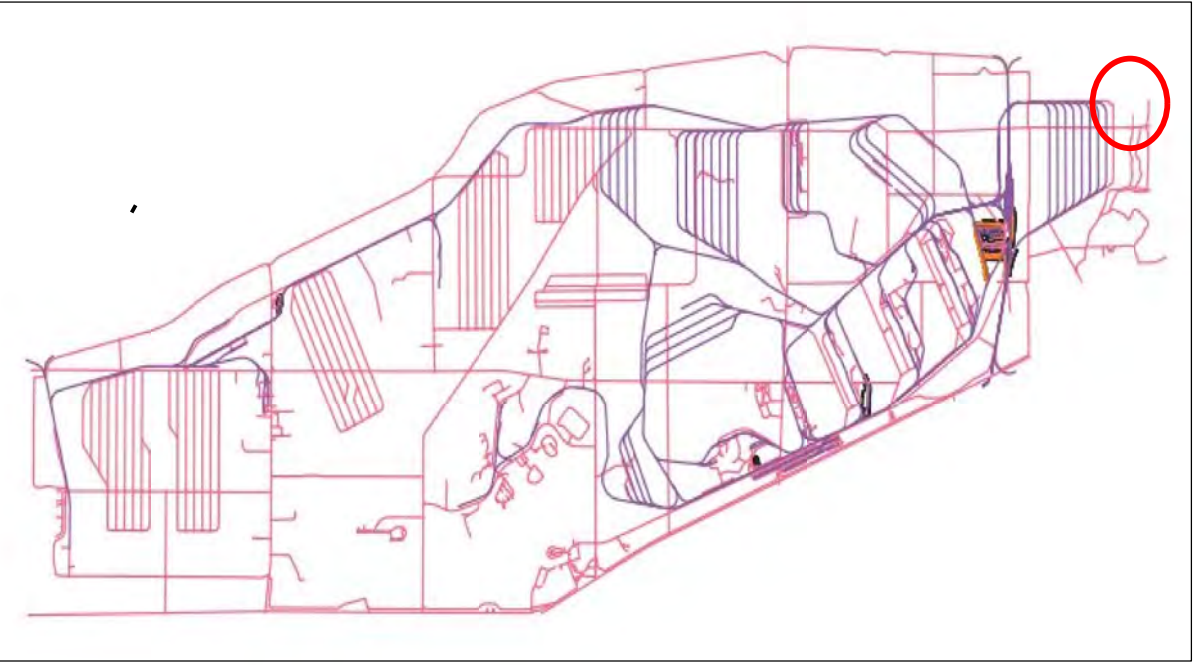
Poacher Hole Repair at Mile 19.57

Observed November 17, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

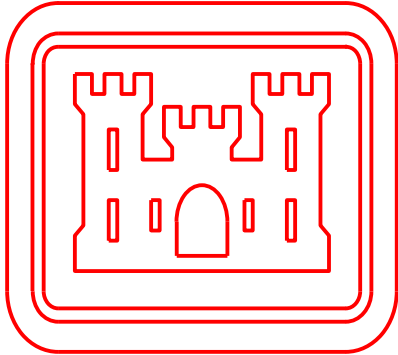


Ohio Army National Guard



Ohio

Produced in December 2020 for:



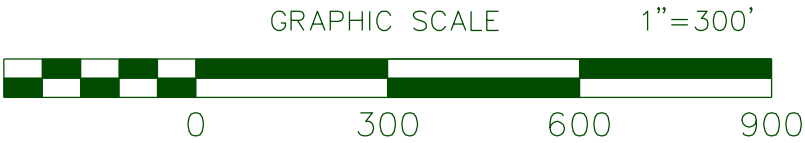
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

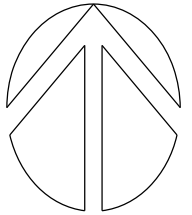
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

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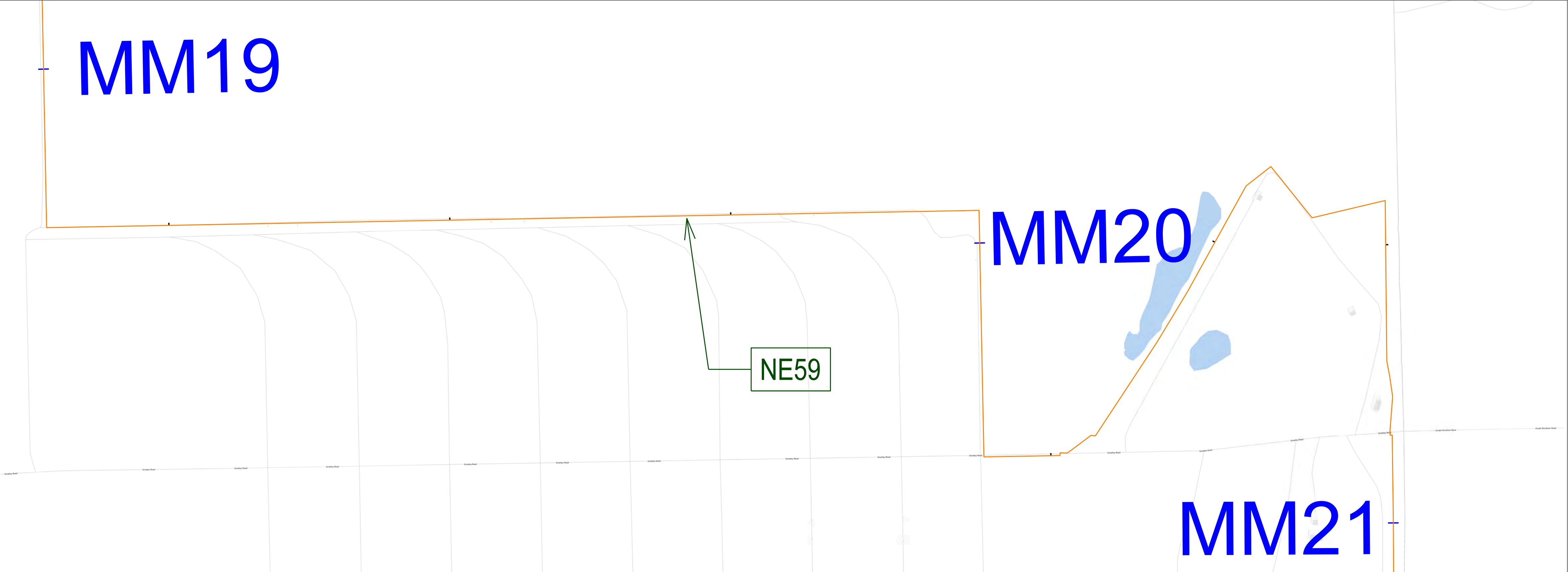


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR NE58



DETAIL SHEET FOR NE59



Poacher Hole Repair at 19.71

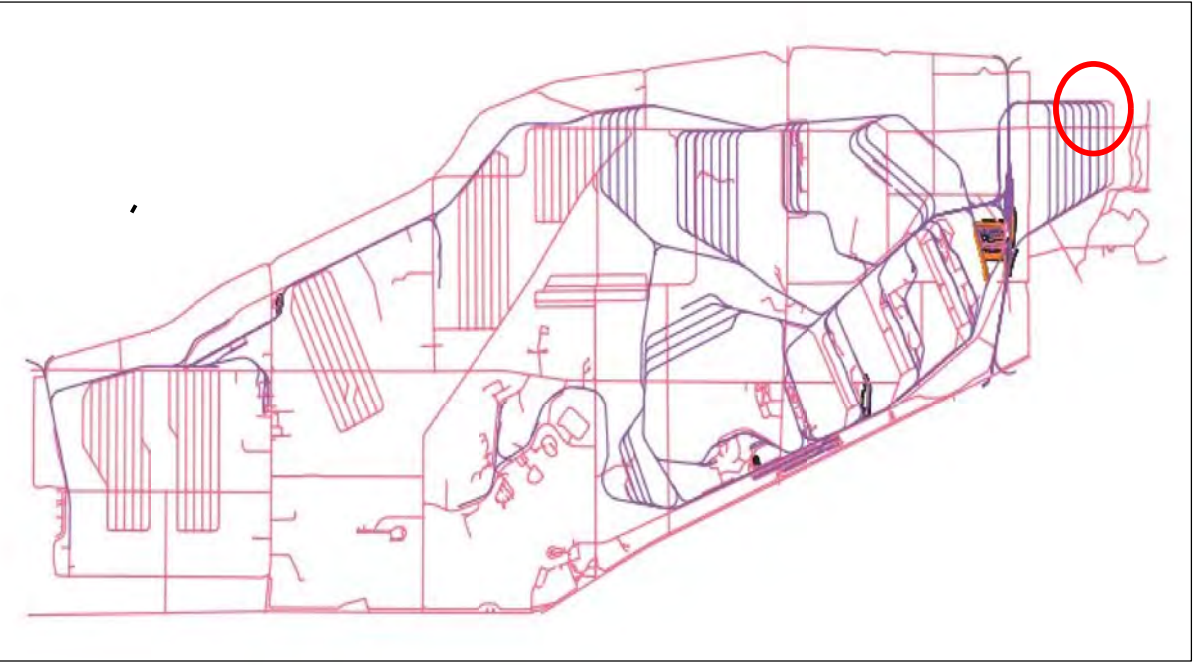
Observed November 17, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

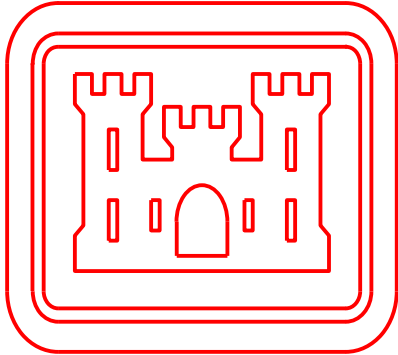


Ohio Army National Guard



Ohio

Produced in December 2020 for:



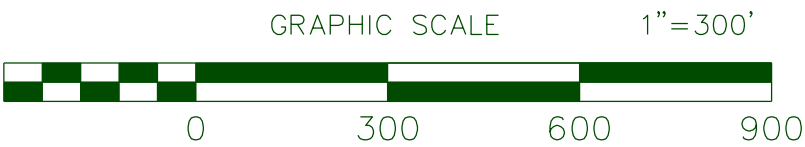
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

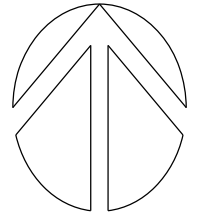
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

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Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



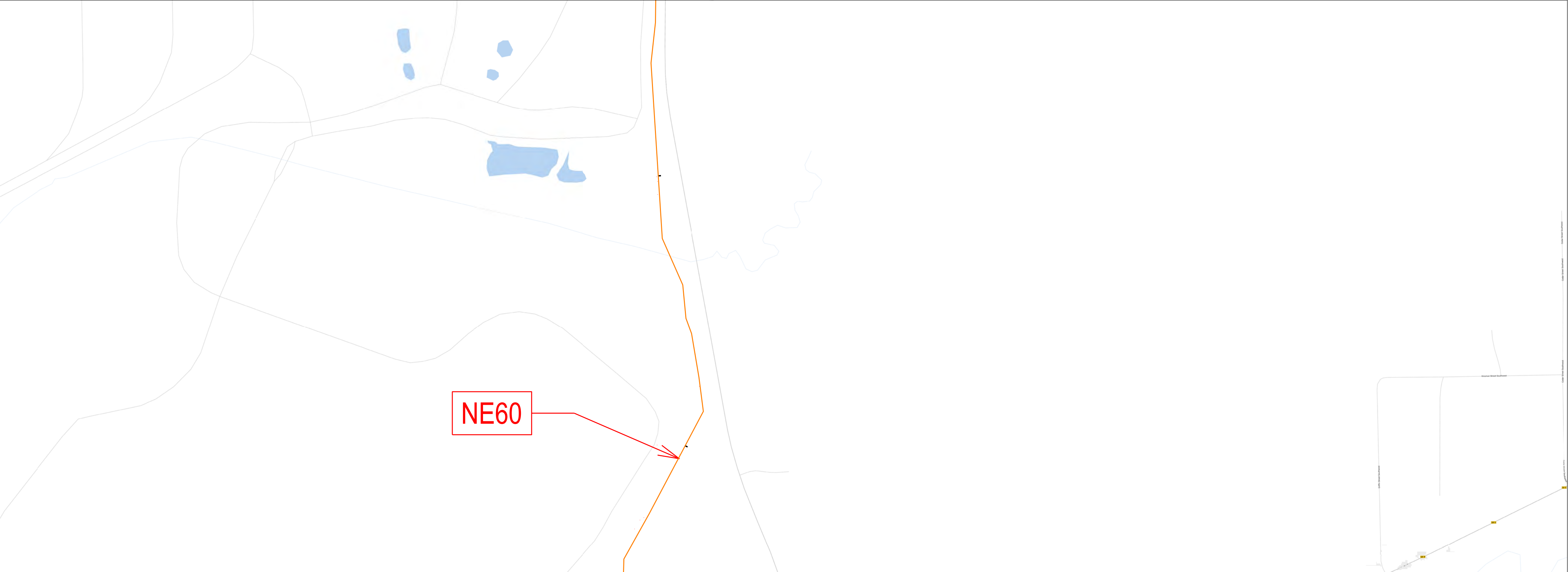
THIS MAP IS INTENDED TO DISPLAYED and/or PLOTTED @ 1"=300'  
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DETAIL SHEET FOR NE59



# DETAIL SHEET FOR NE60



Tree on Fence at Mile 21.76

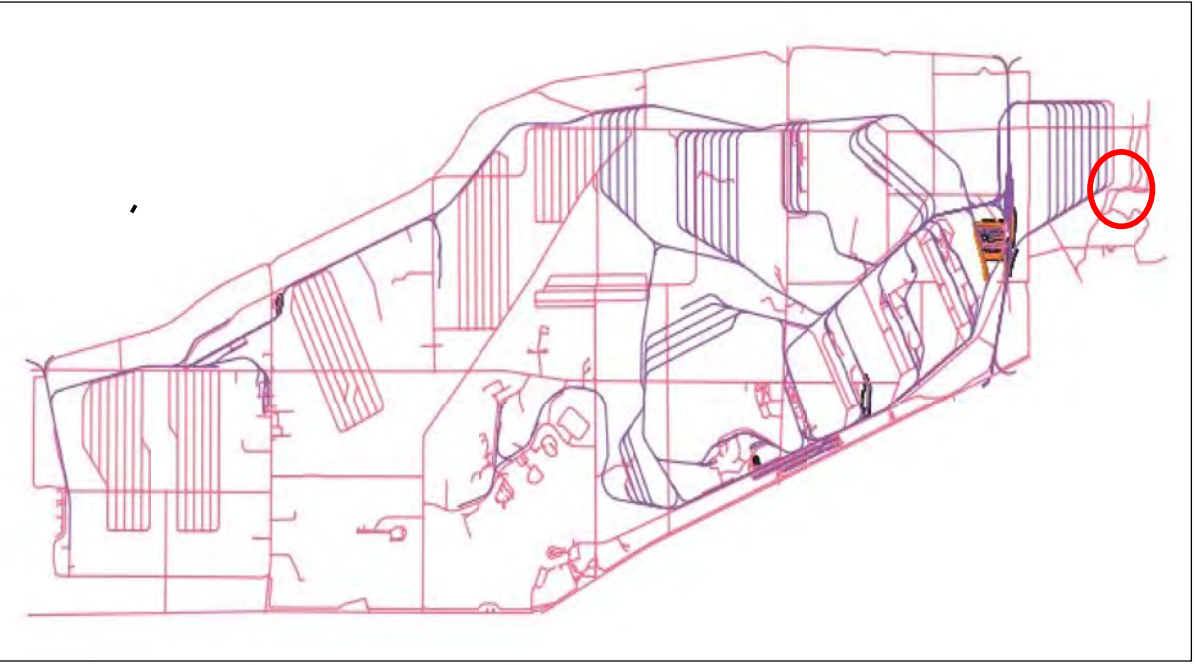
Discovered December 15, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

## LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

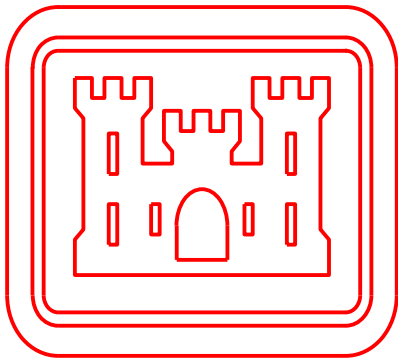


Ohio Army National Guard



Ohio

Produced in December 2020 for:



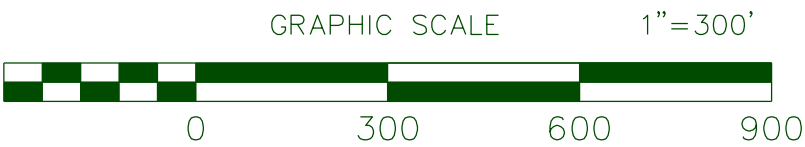
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

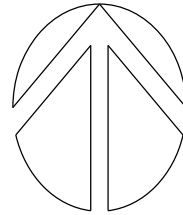
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

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Bearings shown hereon are Grid North



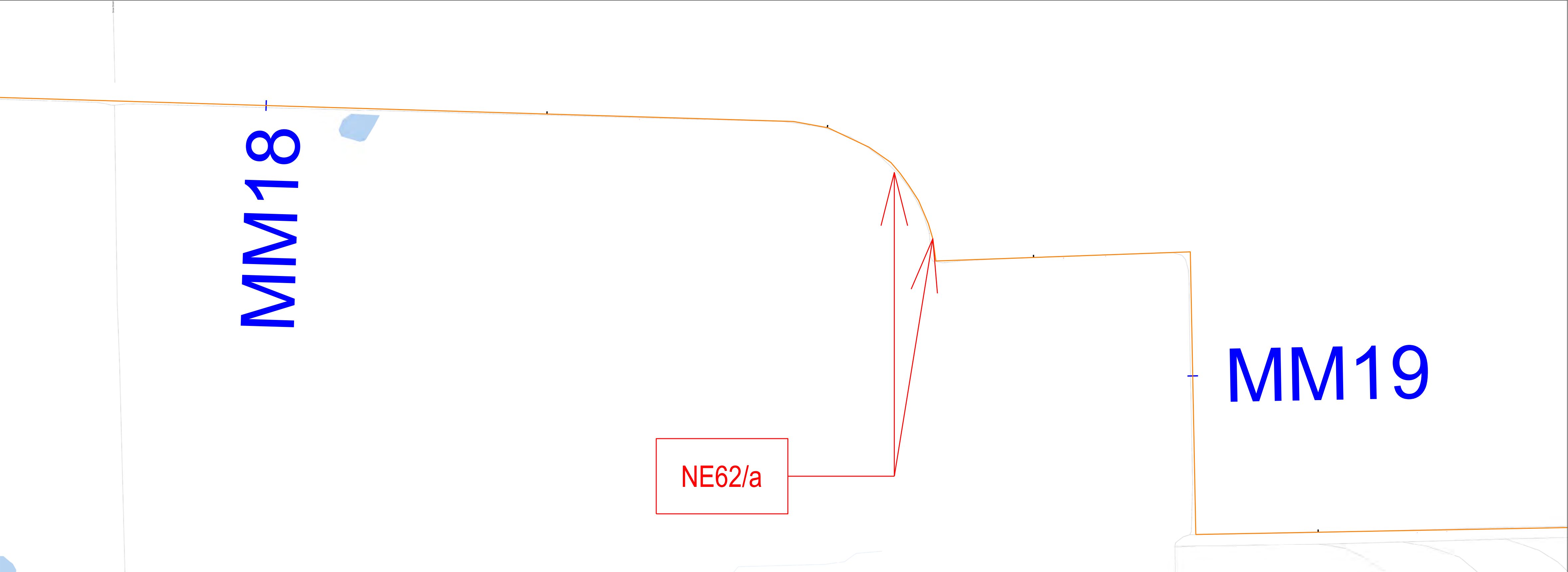
THIS MAP IS INTENDED TO DISPLAYED and/or PLOTTED @ 1"=300'  
on a 22"x34" Page. When Plotting at half size, being 11"x17", scale will be 1"= 600'



DETAIL SHEET FOR NE60



# DETAIL SHEET FOR NE62a



Tree on Fence at Mile 18.64

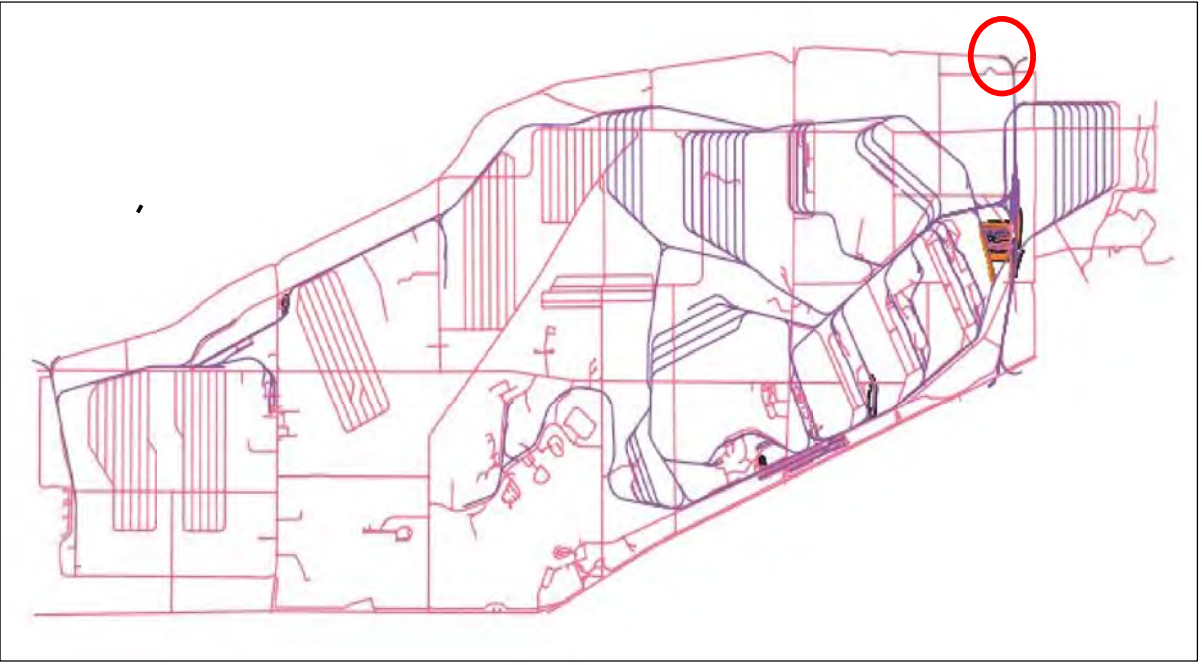
Discovered November 17, 2020



LEGEND:

- = PERIMETER FENCE EVALUATED
- = OPENING IN FENCE GREATER THAN 2'
- = REPAIRED
- = FENCE LINE MILE MARKER

## CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

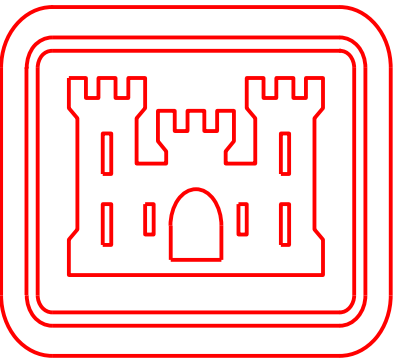


Ohio Army National Guard



Ohio

Produced in December 2020 for:



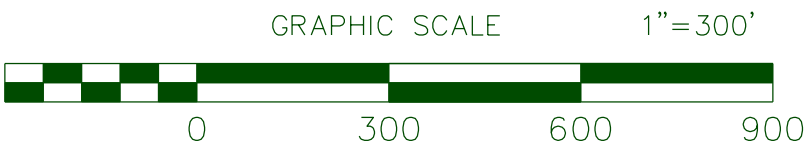
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

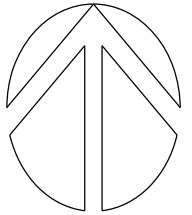
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
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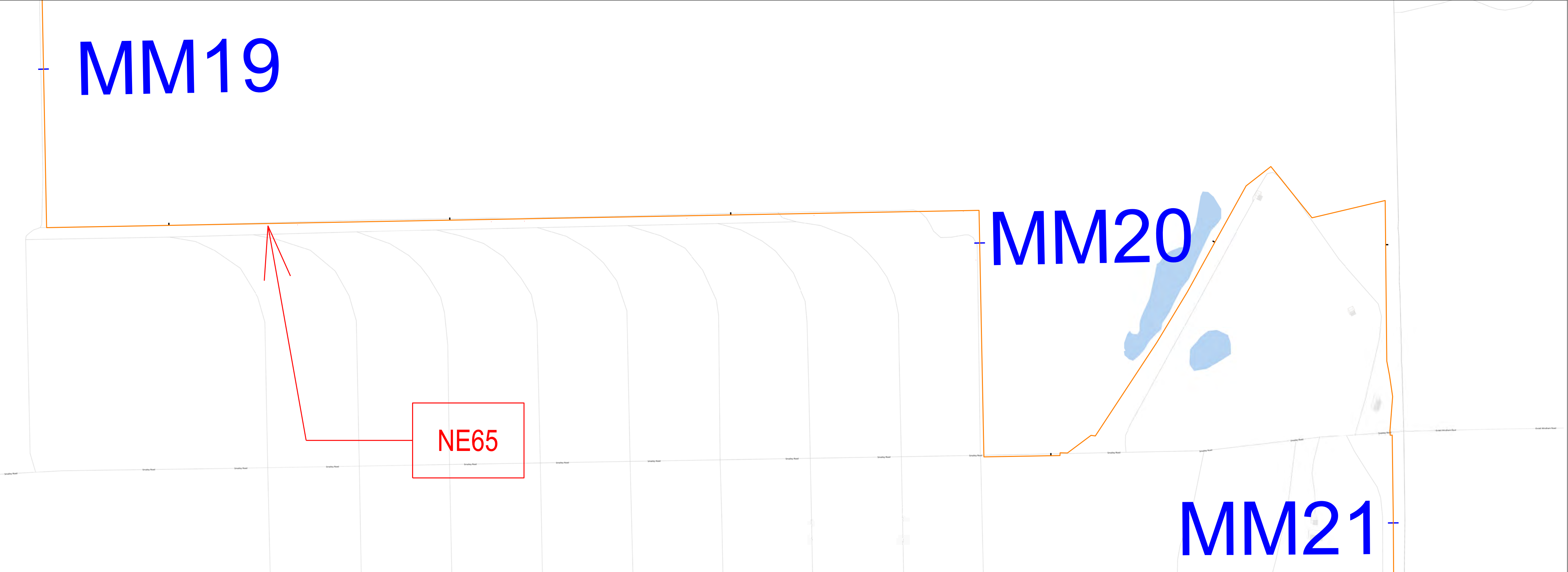


## LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR NE62a



DETAIL SHEET FOR NE65



Tree on Fence at Mile 19.35

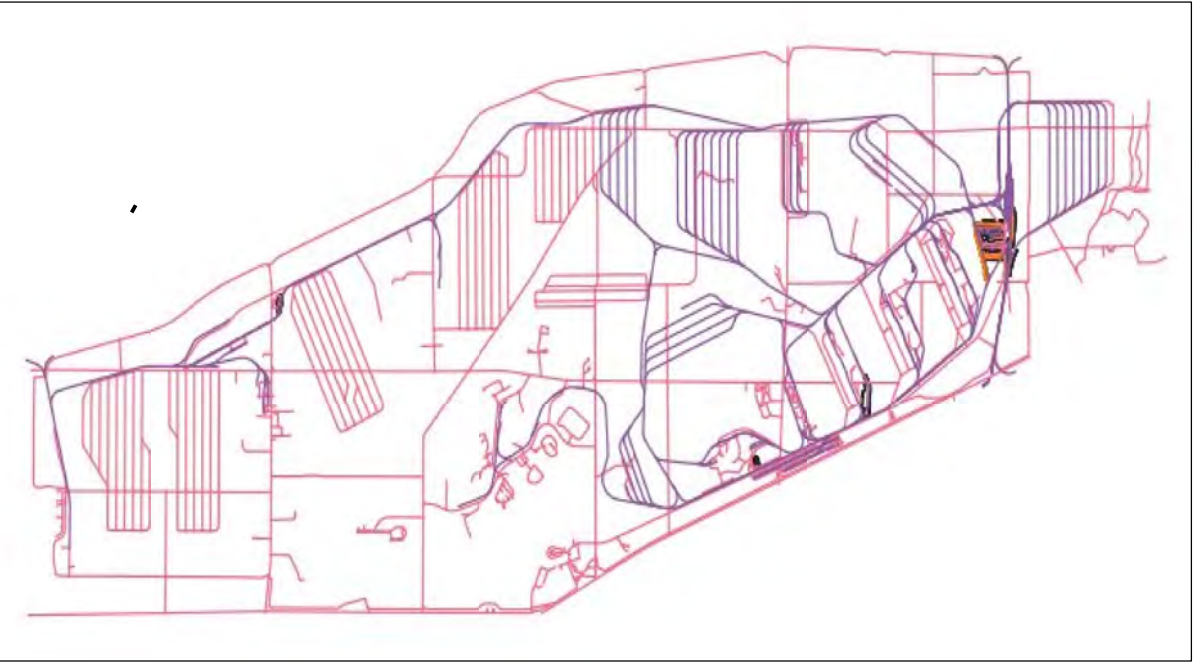
Discovered November 17, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

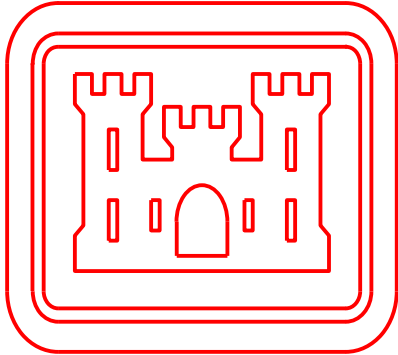


Ohio Army National Guard



Ohio

Produced in December 2020 for:



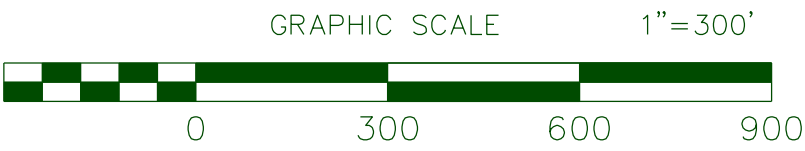
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

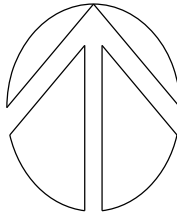
Louisville District

Surveyor of Record  
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Chenega Tri-Servcies, LLC

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DETAIL SHEET FOR NE65



DETAIL SHEET FOR NE66



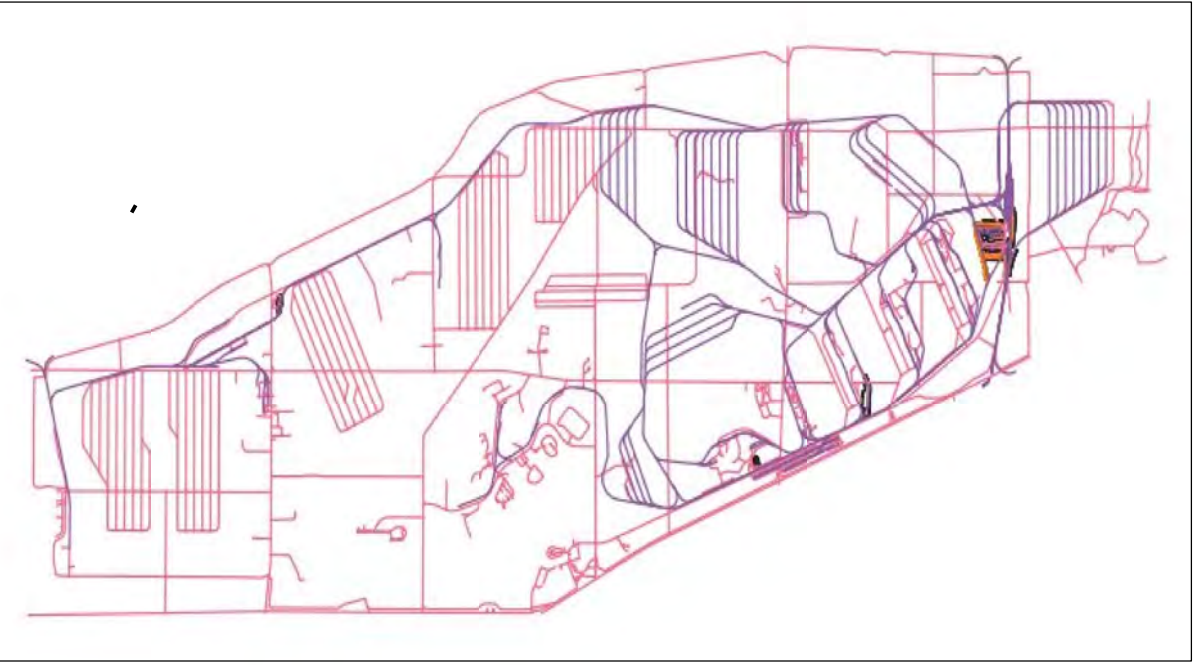
Tree on Fence at Mile 19.96

Discovered November 17, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

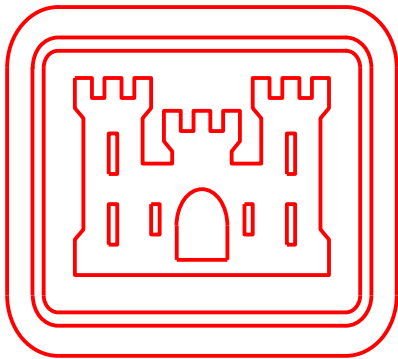


Ohio Army National Guard



Ohio

Produced in December 2020 for:



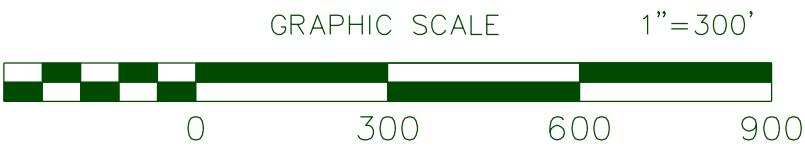
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

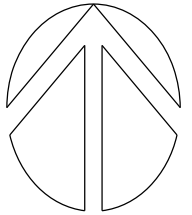
Louisville District

Surveyor of Record  
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Chenega Tri-Servcies, LLC

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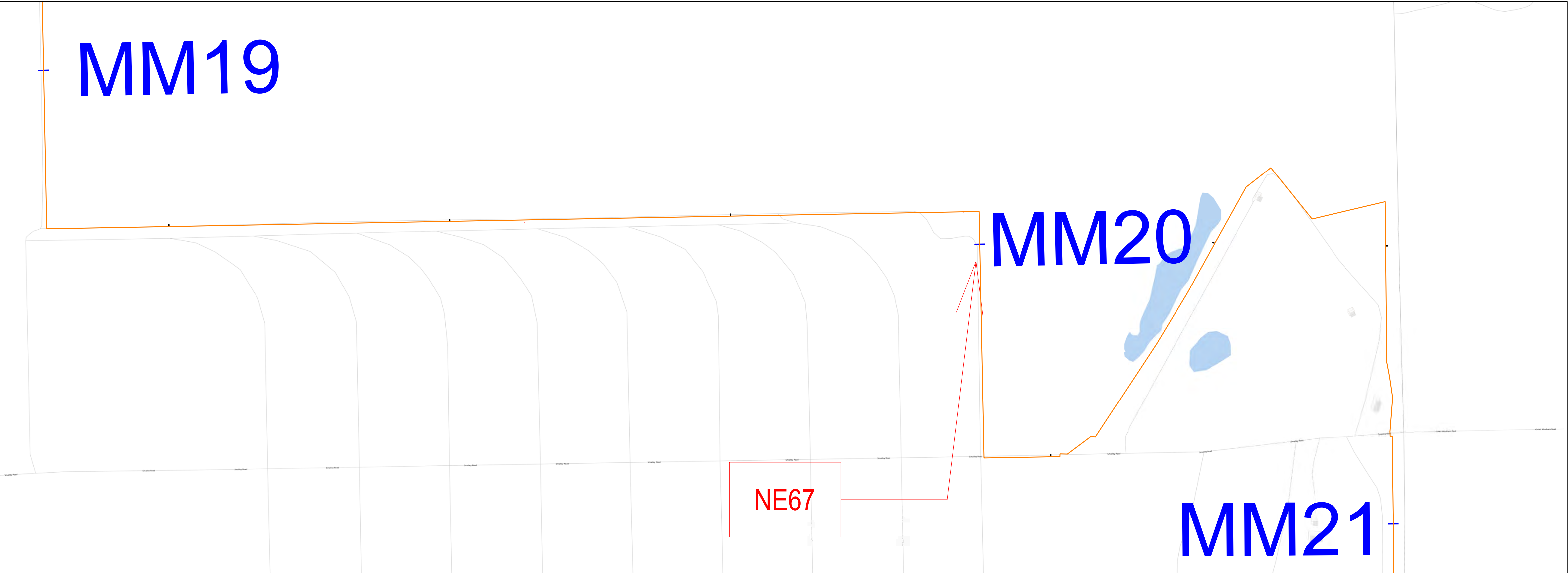


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR NE66



DETAIL SHEET FOR NE67



Tree on Fence at Mile 20.02

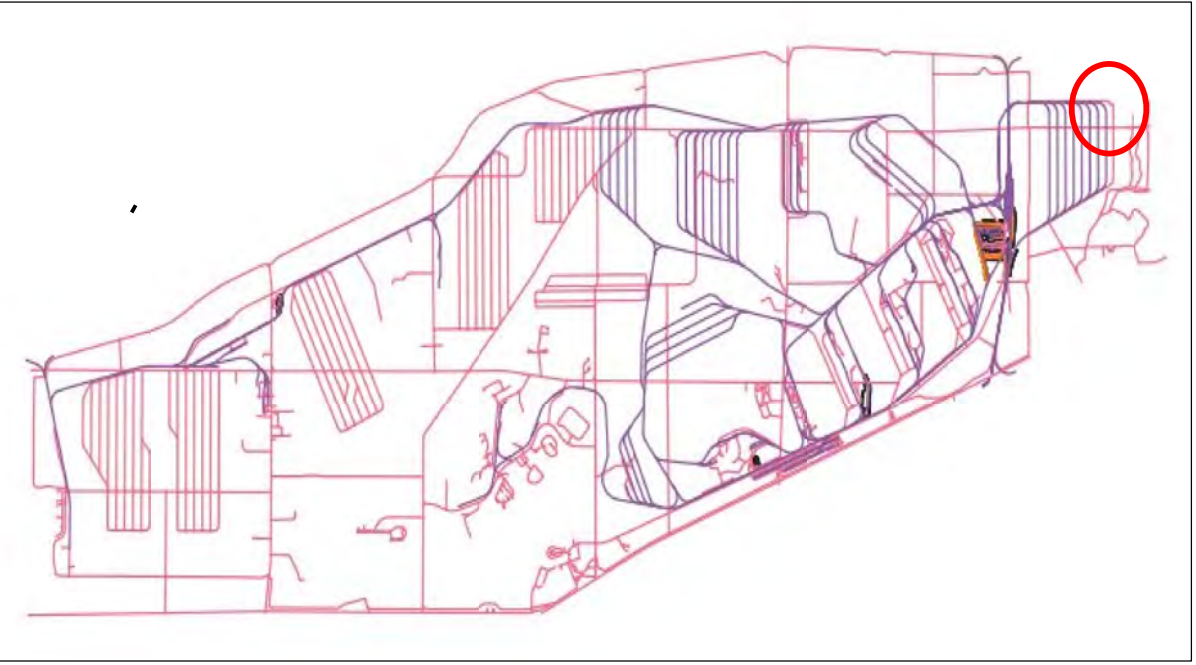
Discovered November 17, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

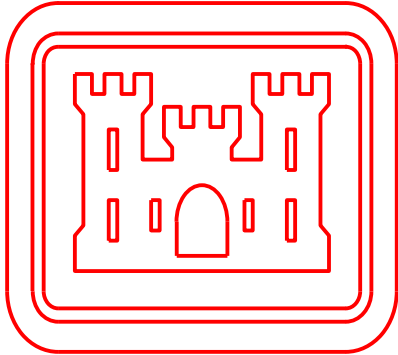


Ohio Army National Guard



Ohio

Produced in December 2020 for:



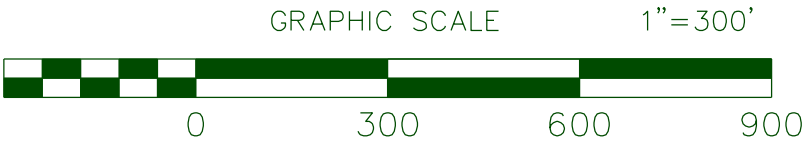
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

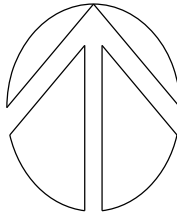
Louisville District

Surveyor of Record  
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Chenega Tri-Servcies, LLC

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DETAIL SHEET FOR NE67



# DETAIL SHEET FOR NE68



Tree on Fence at Mile 21.50

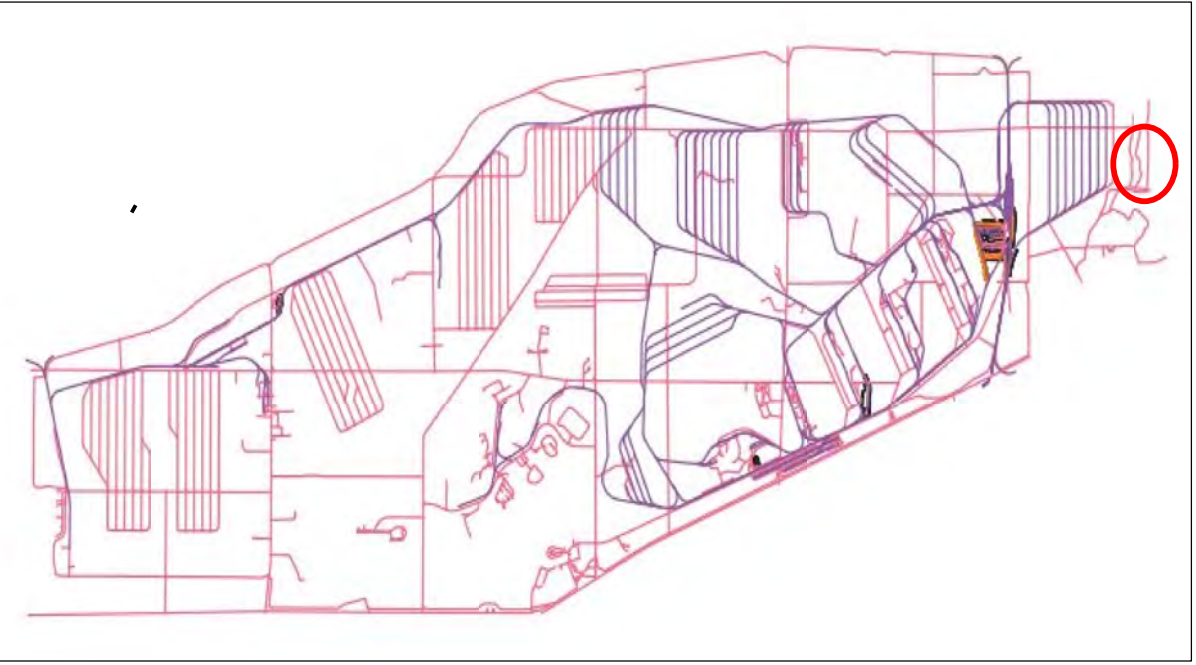
Discovered November 17, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

## LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

### CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

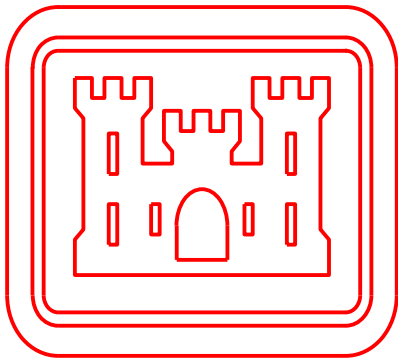


Ohio Army National Guard



Ohio

Produced in December 2020 for:



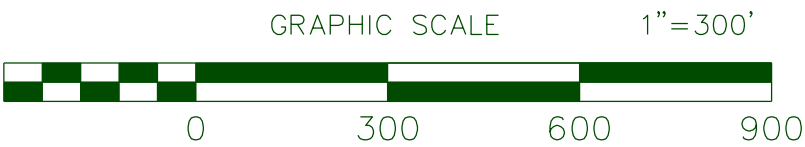
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

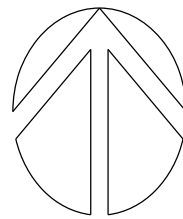
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

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Bearings shown hereon are Grid North



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DETAIL SHEET FOR NE68



# DETAIL SHEET FOR NE69



Tree on Fence at Mile 21.82



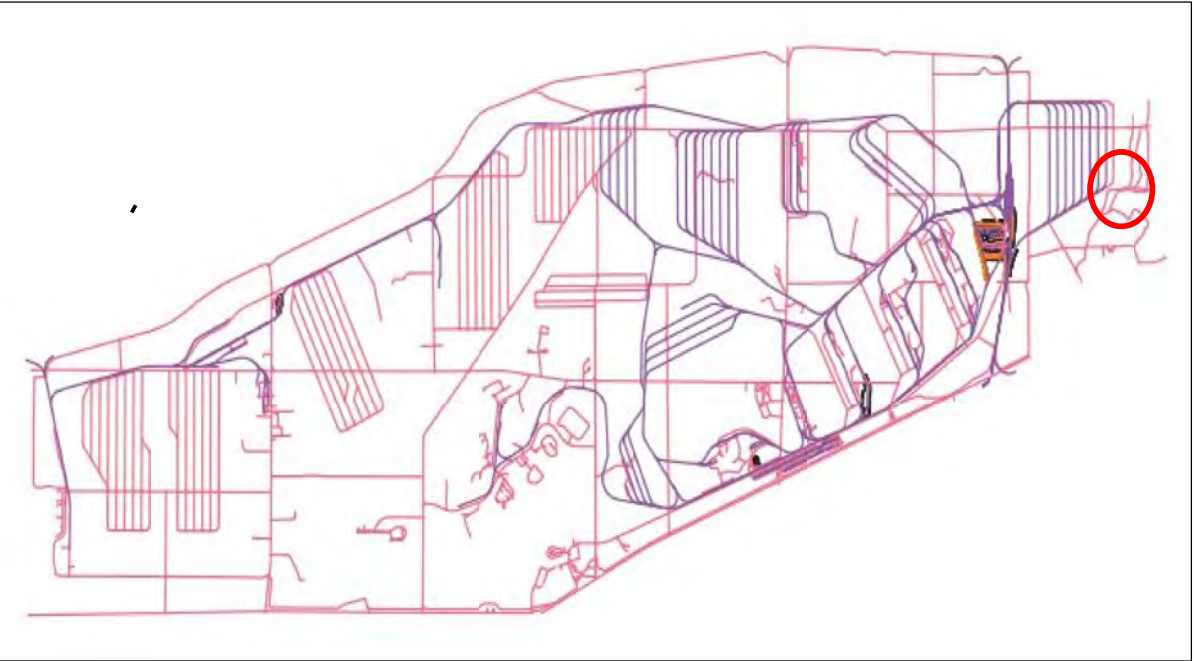
Discovered December 15, 2020



LEGEND:

- = PERIMETER FENCE EVALUATED
- = OPENING IN FENCE GREATER THAN 2'
- = REPAIRED
- = FENCE LINE MILE MARKER

## CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

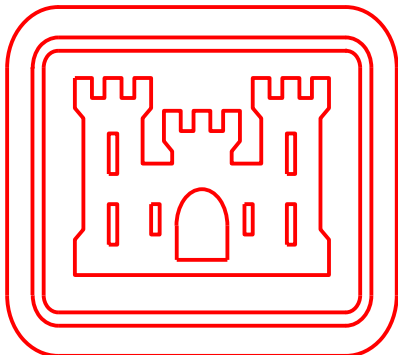


## Ohio Army National Guard



Ohio

Produced in December 2020 for:



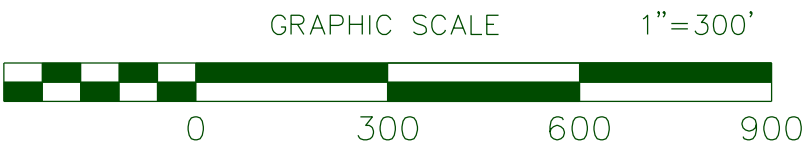
## US Army Corps of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

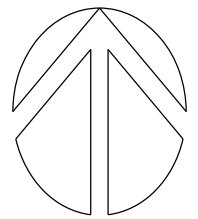
### Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

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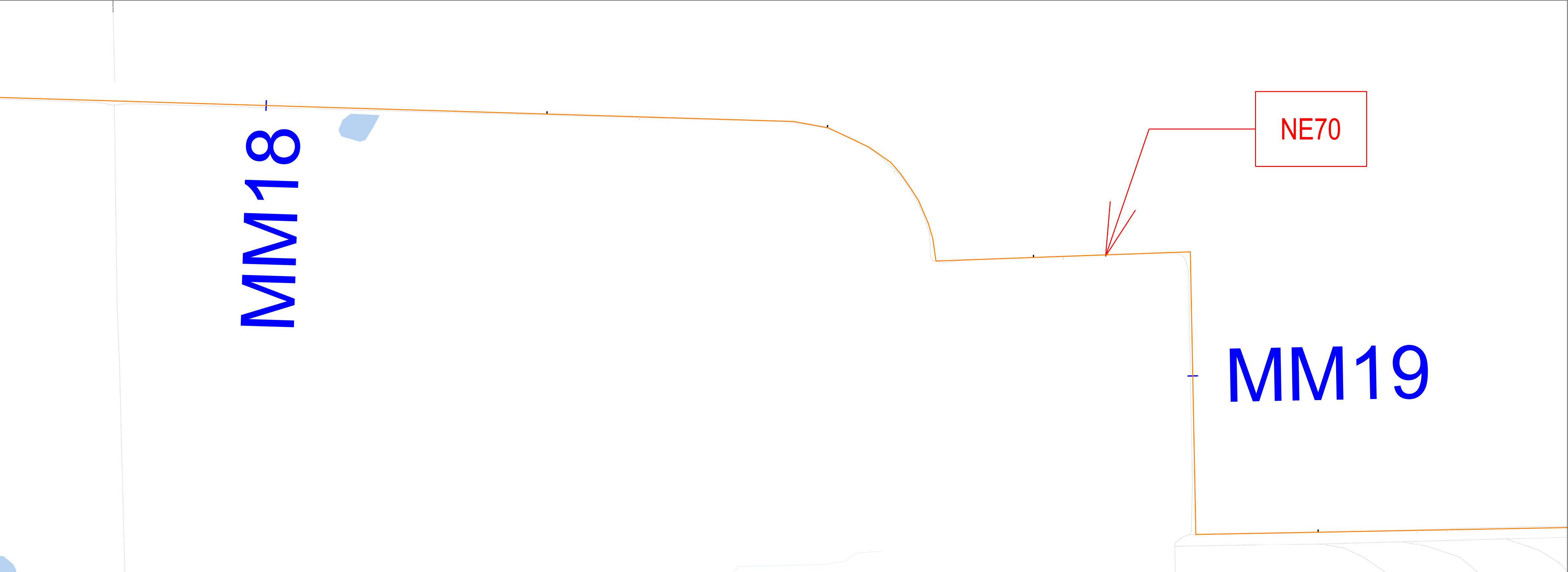


# LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR NE69



# DETAIL SHEET FOR NE70



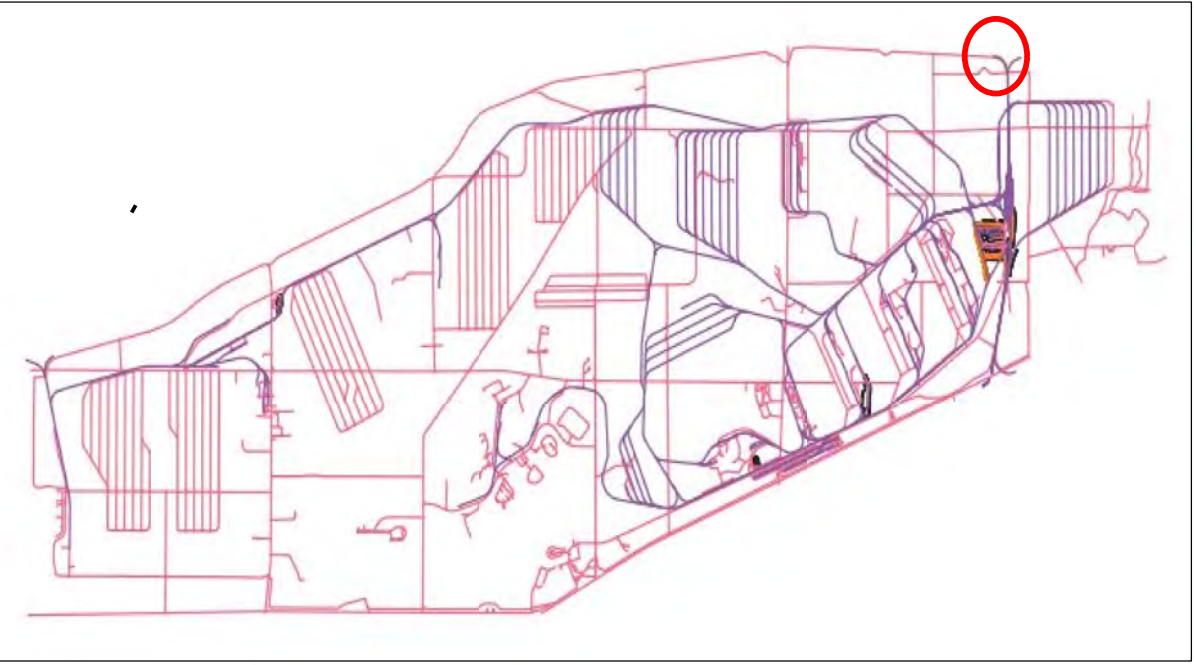
Fence down / culvert breached at Mile 18.81

Discovered November 17, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

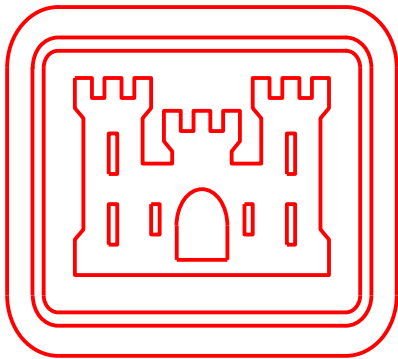


Ohio Army National Guard



Ohio

Produced in December 2020 for:



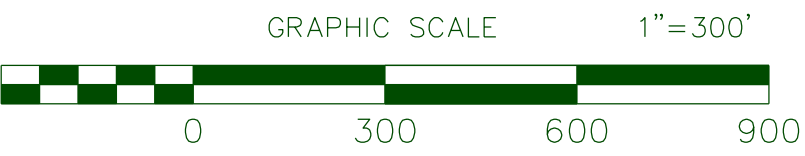
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

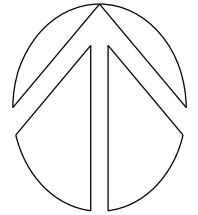
Louisville District

Surveyor of Record  
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Chenega Tri-Servcies, LLC

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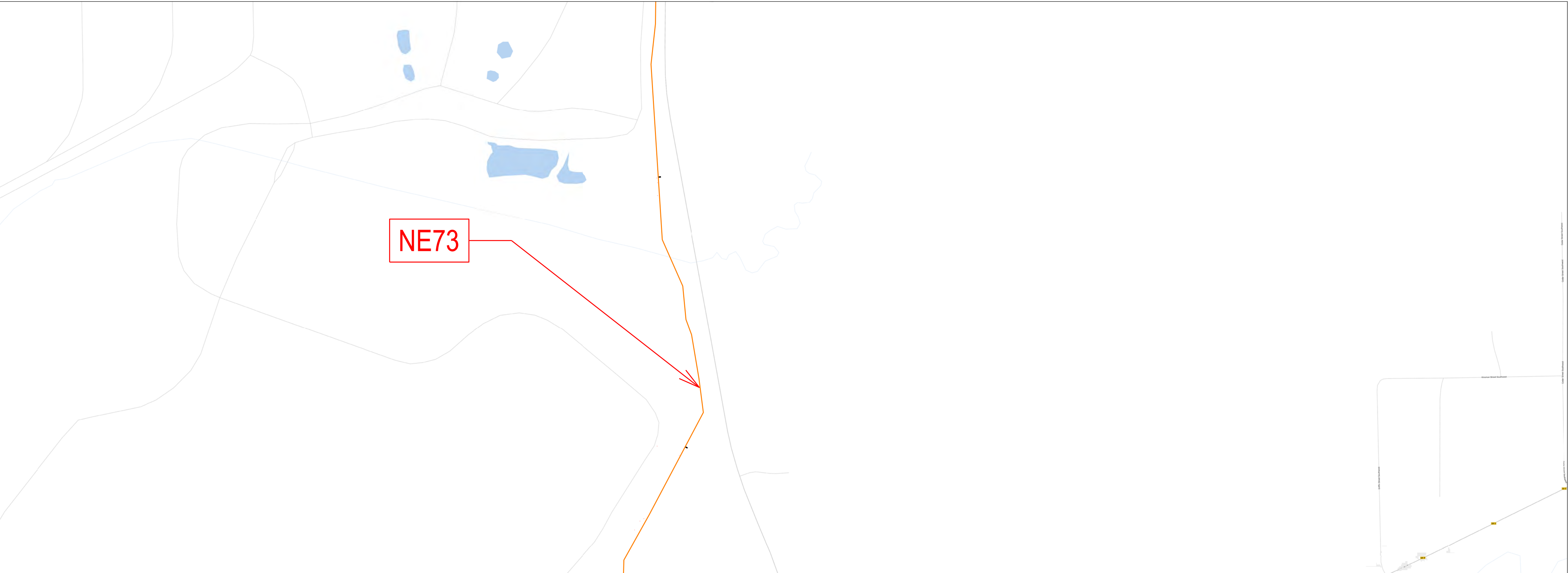


## LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR NE70



# DETAIL SHEET FOR NE73



Tree on Fence at Mile 21.69

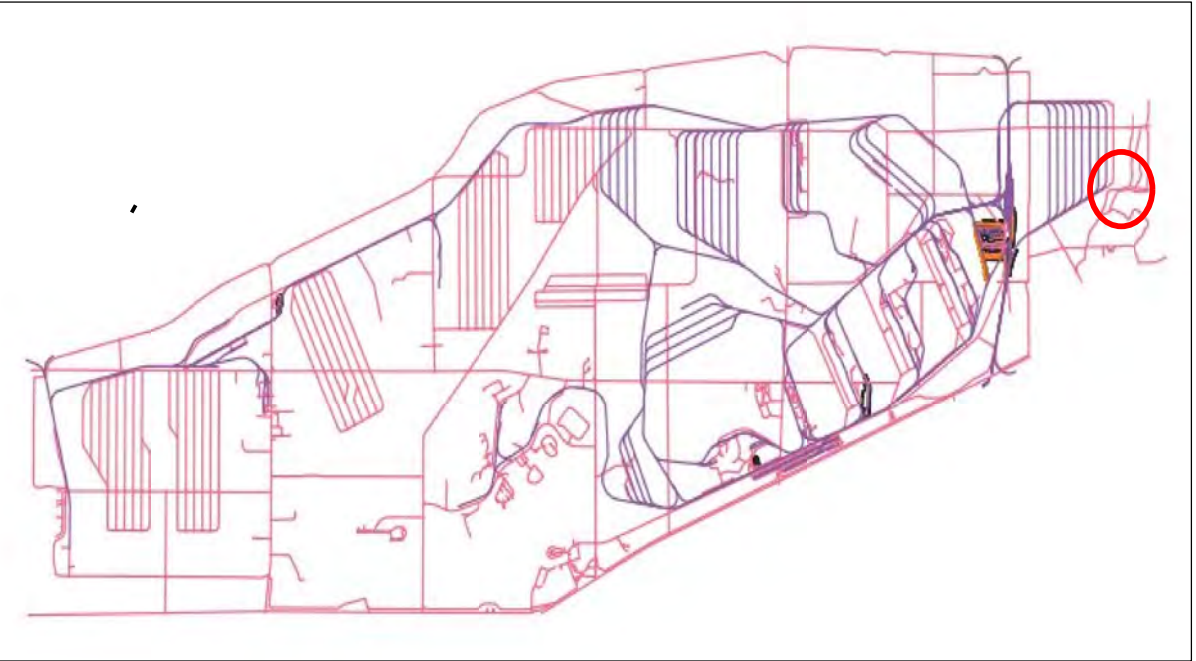
Discovered December 15, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

## LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

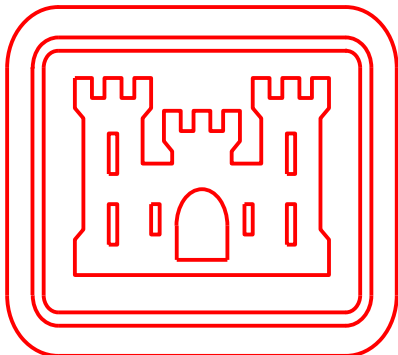


Ohio Army National Guard



Ohio

Produced in December 2020 for:



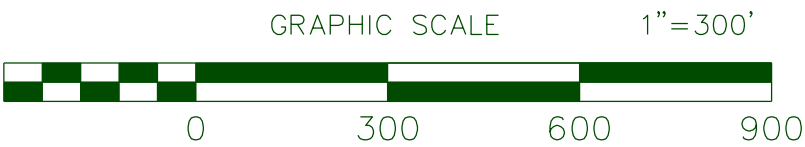
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

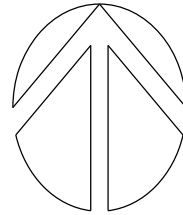
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

Coordinates shown hereon are referenced to NAD83,  
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Bearings shown hereon are Grid North



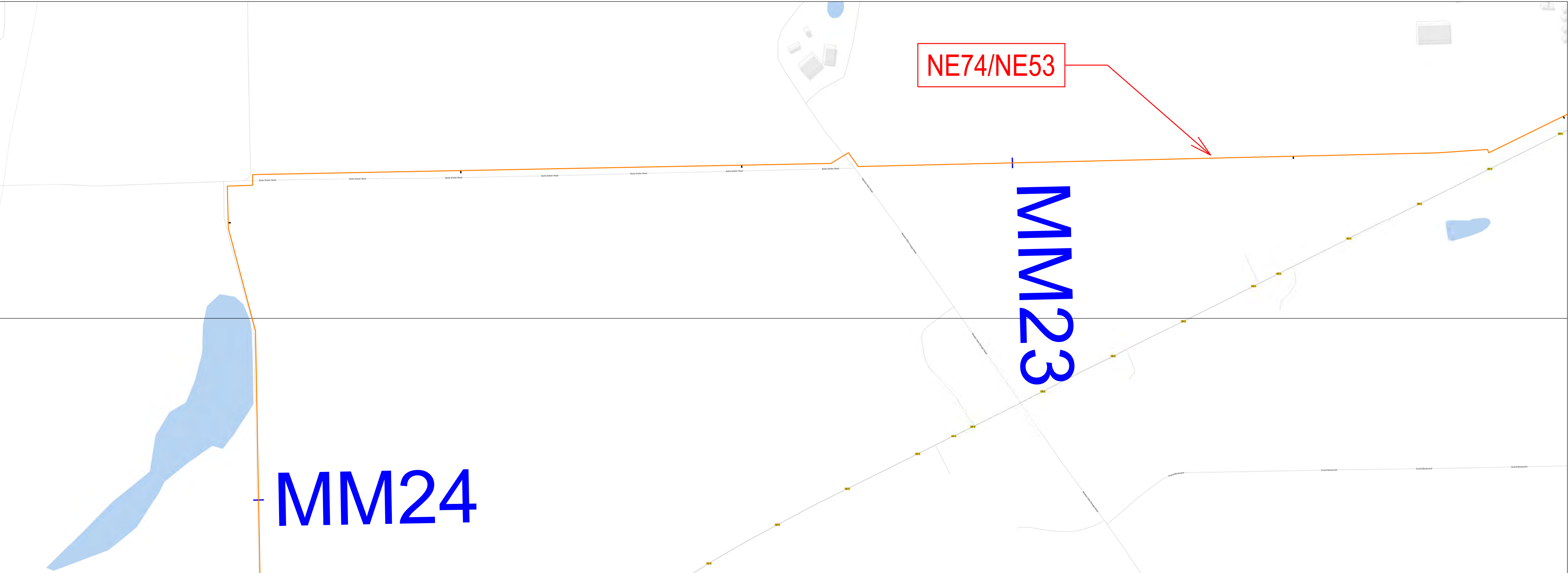
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DETAIL SHEET FOR NE73



DETAIL SHEET FOR NE74/NE53



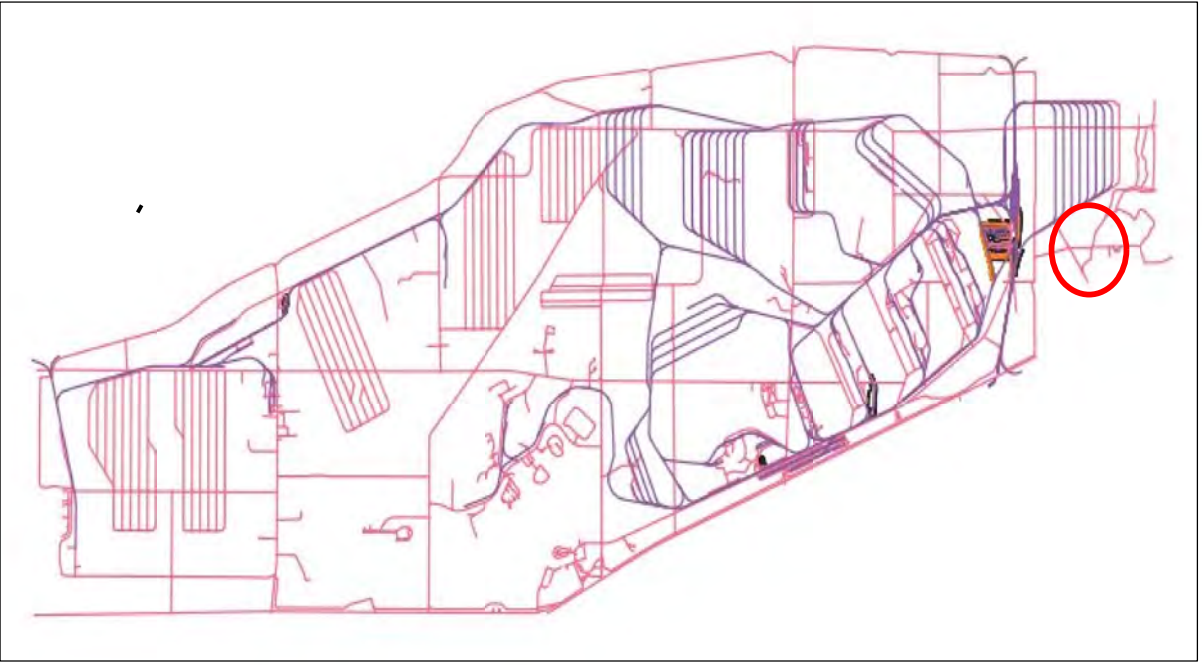
Tree on Fence at Mile 22.82

Discovered December 15, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

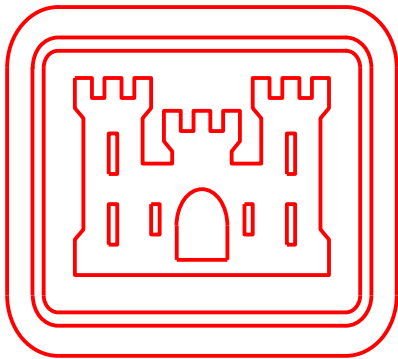


Ohio Army National Guard



Ohio

Produced in December 2020 for:



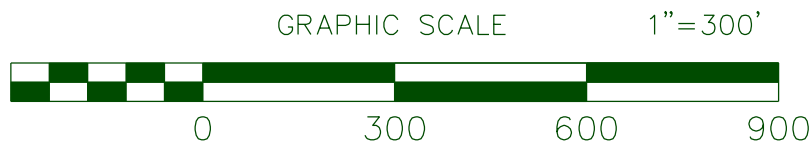
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

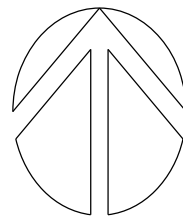
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

Coordinates shown hereon are referenced to NAD83,  
Ohio State Plane Coordinate System, North Zone, US Feet  
Bearings shown hereon are Grid North



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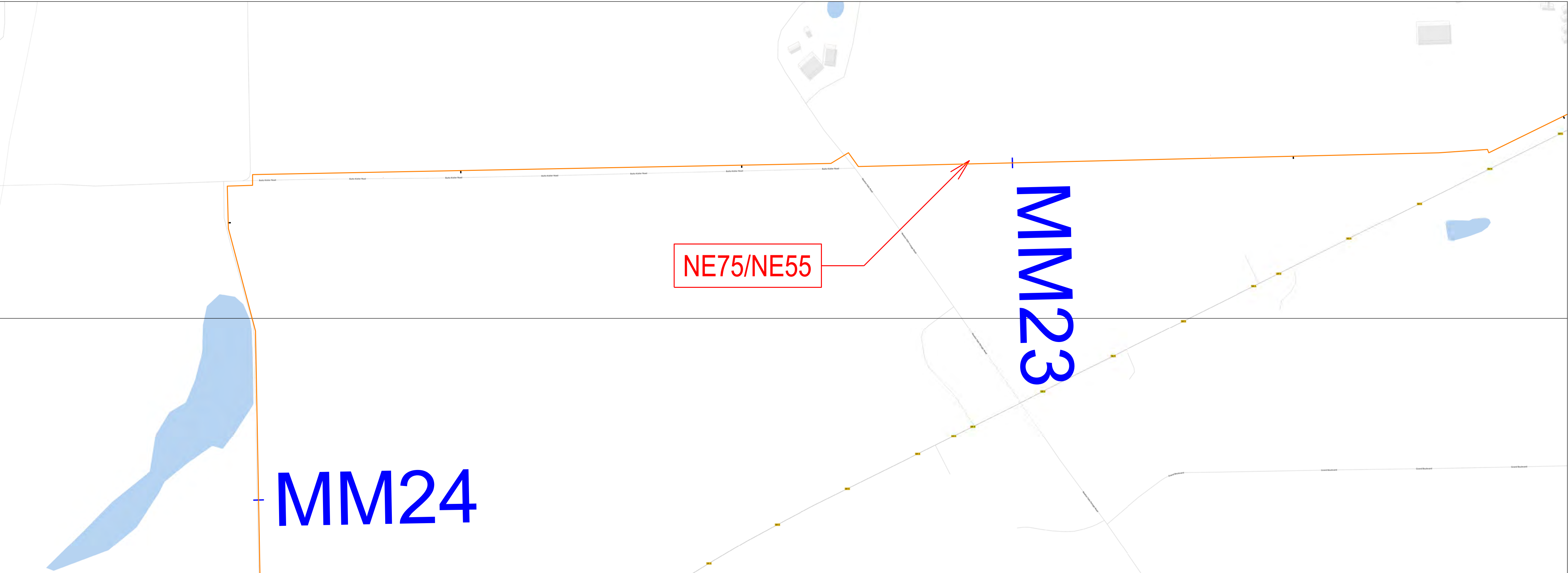


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR NE74/NE53



DETAIL SHEET FOR NE75/NE55



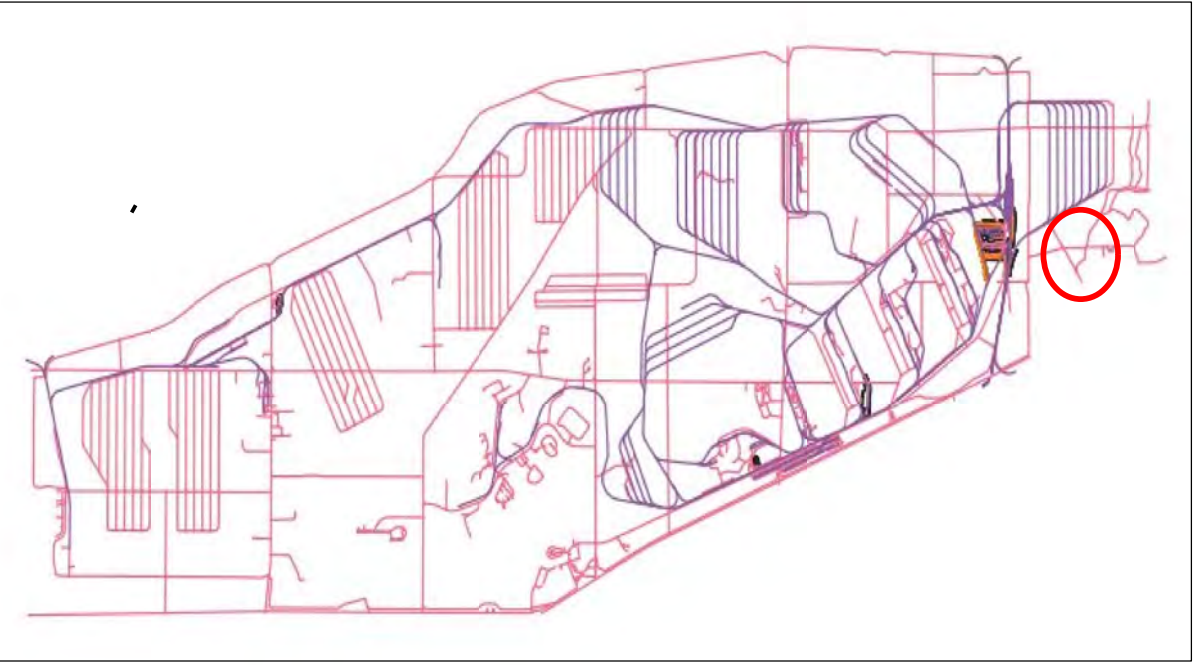
Fence Damage at Mile 23.04

Discovered December 15, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

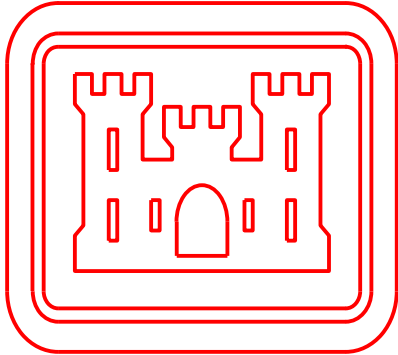


Ohio Army National Guard



Ohio

Produced in December 2020 for:



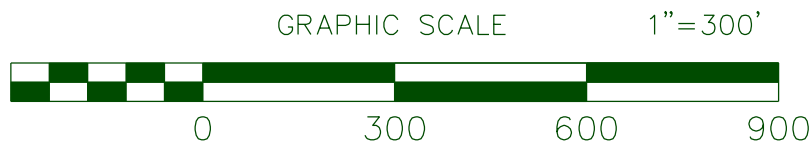
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

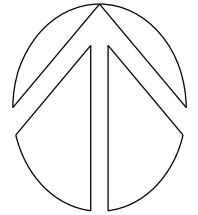
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

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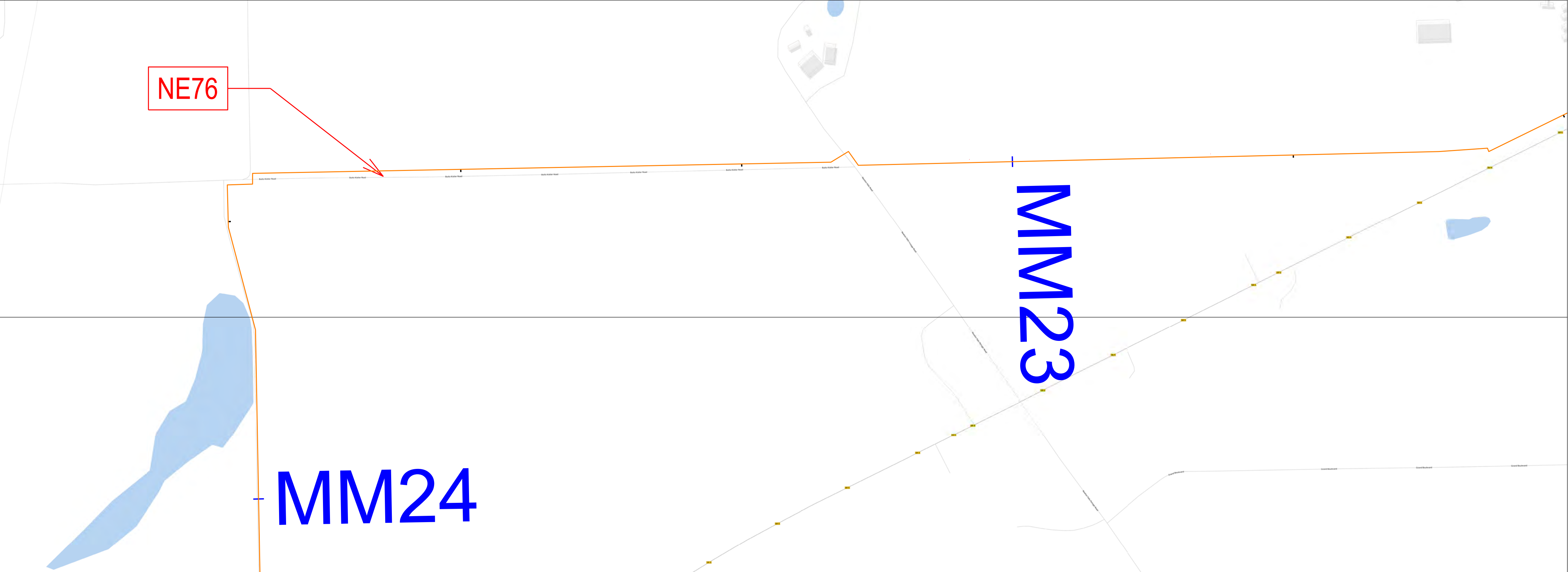


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR NE75/NE55



# DETAIL SHEET FOR NE76



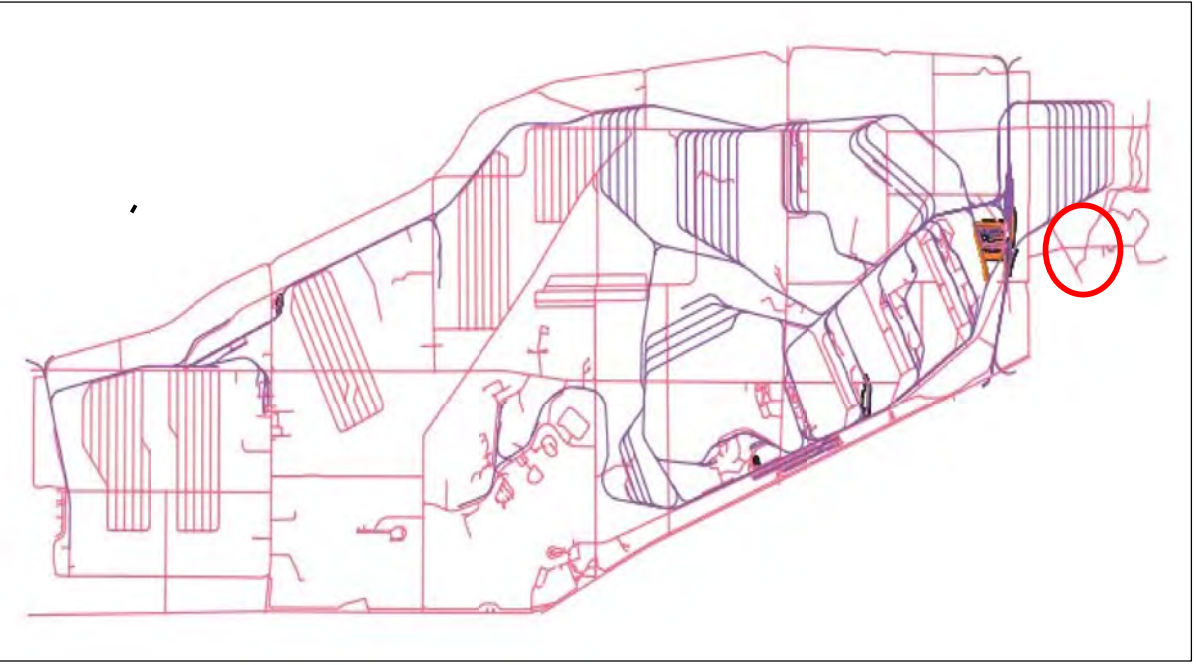
Tree on Fence at Mile 23.57

Discovered December 15, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

## CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

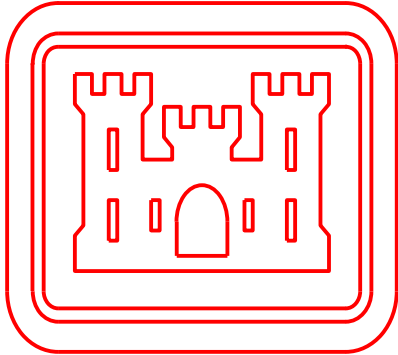


Ohio Army National Guard



Ohio

Produced in December 2020 for:



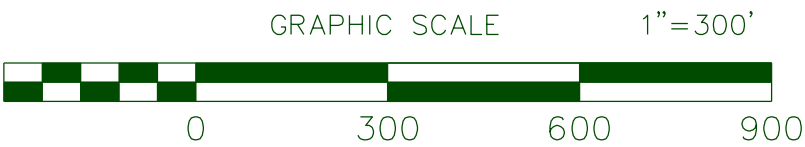
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

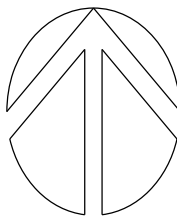
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

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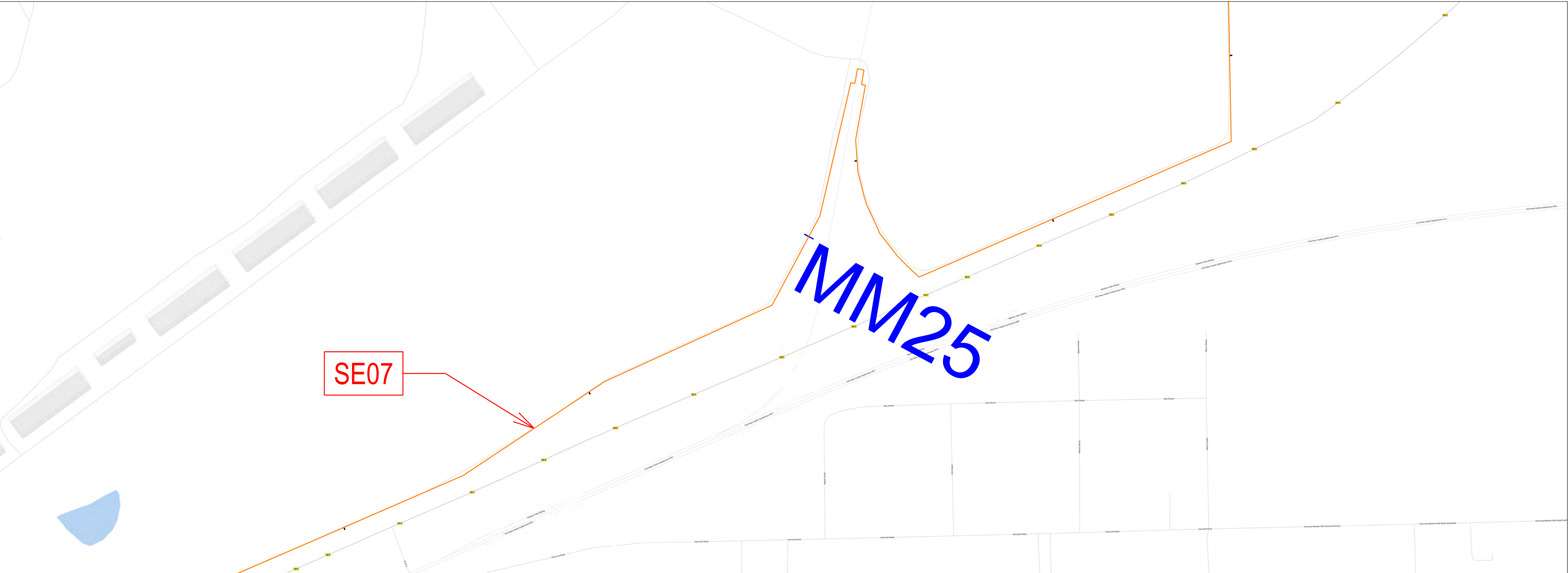


## LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR NE76



# DETAIL SHEET FOR SE07



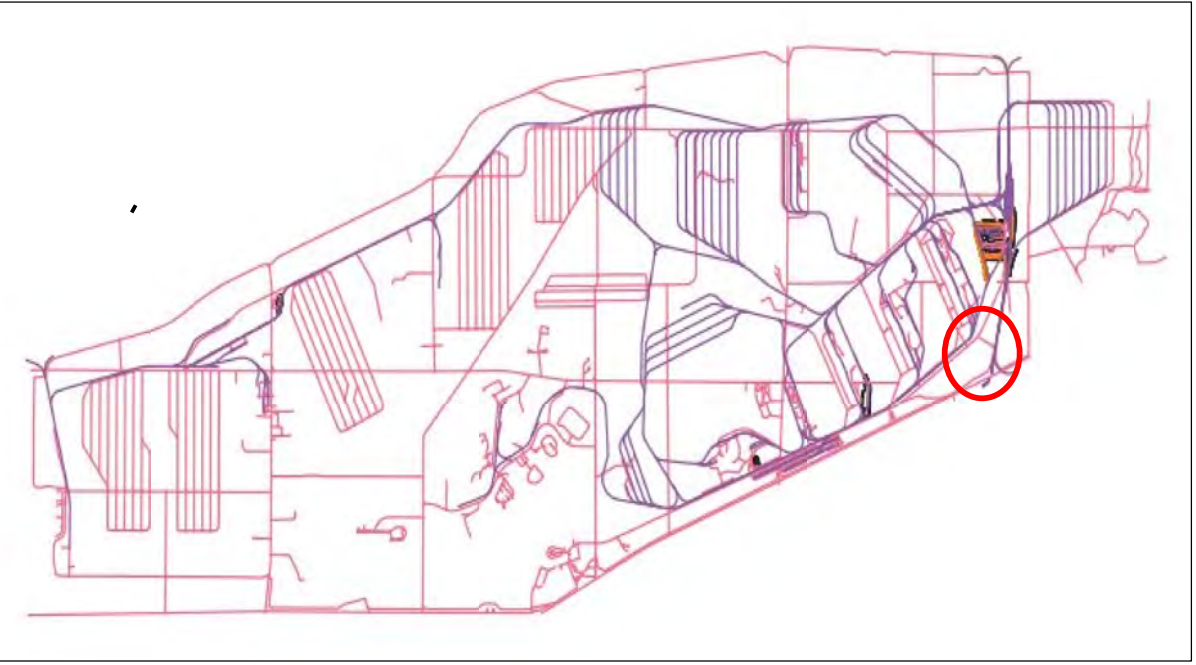
Washout at Culvert at Mile 25.30

Discovered December 15, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

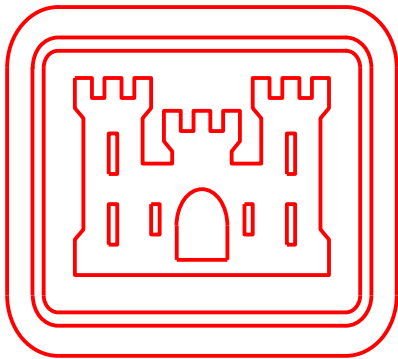


Ohio Army National Guard



Ohio

Produced in December 2020 for:



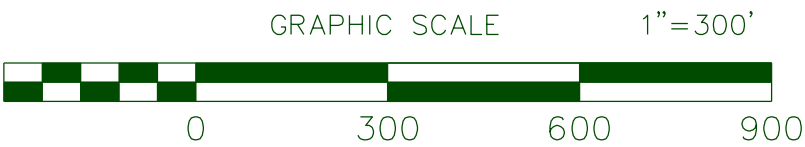
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

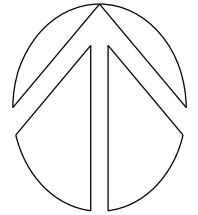
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

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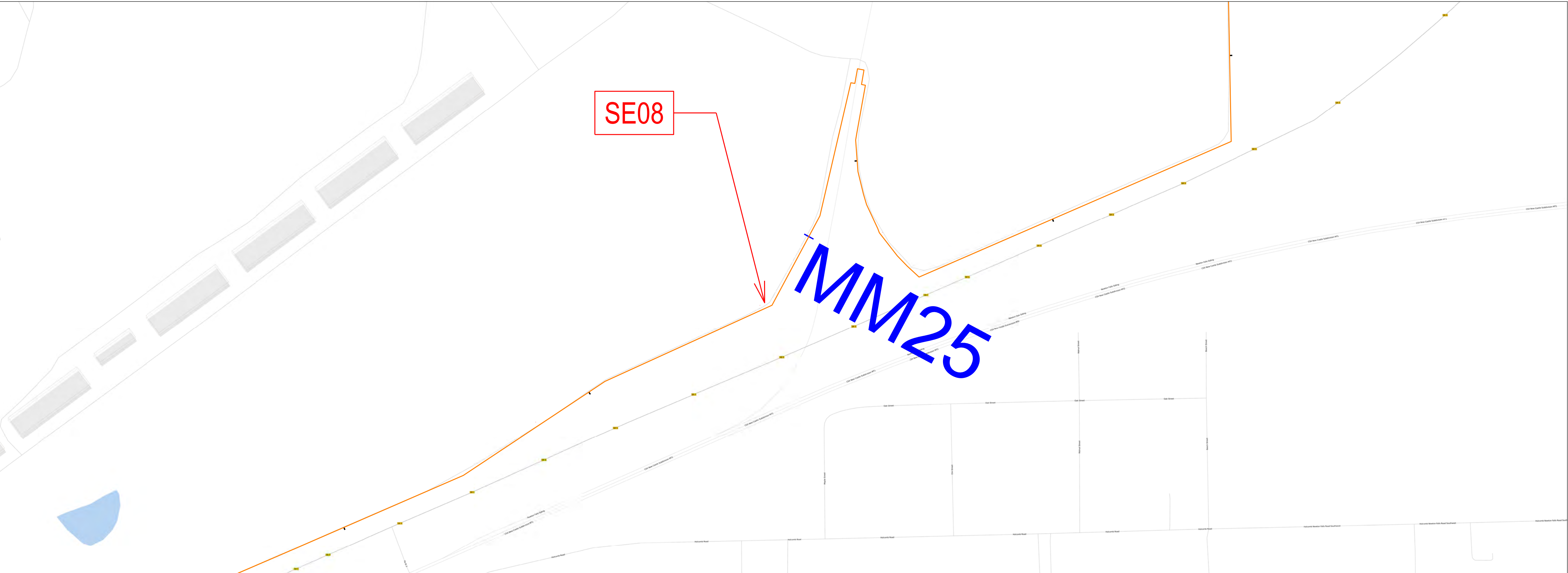


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR SE07



# DETAIL SHEET FOR SE08



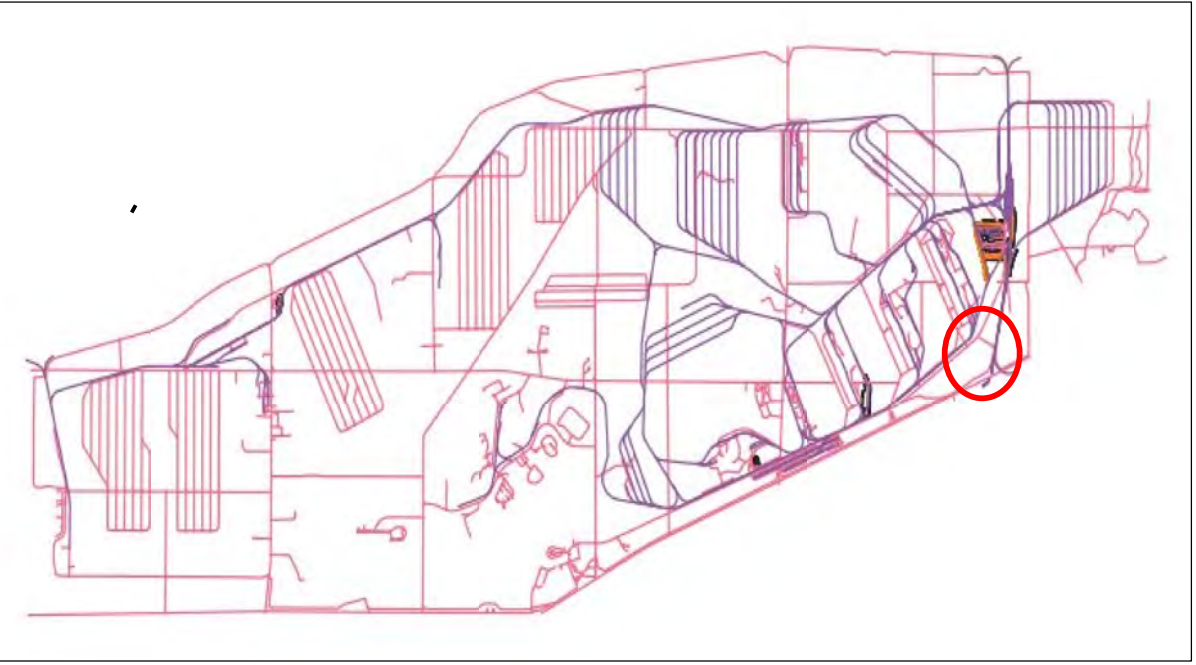
"Washout at Culvert at Mile 25.07

Discovered December 15, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

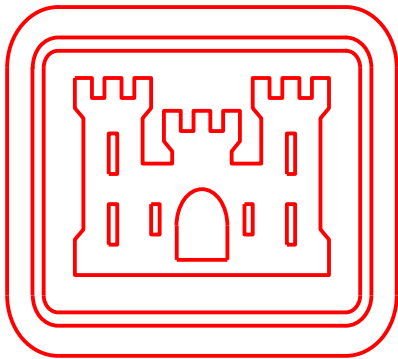


Ohio Army National Guard



Ohio

Produced in December 2020 for:



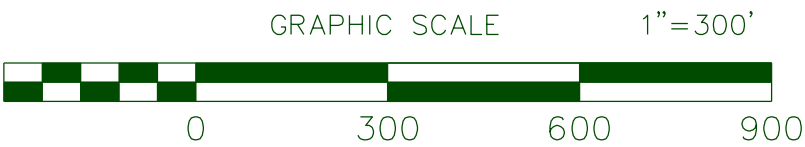
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

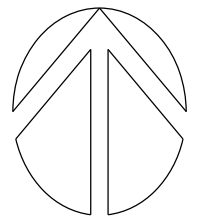
Louisville District

Surveyor of Record  
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Chenega Tri-Servcies, LLC

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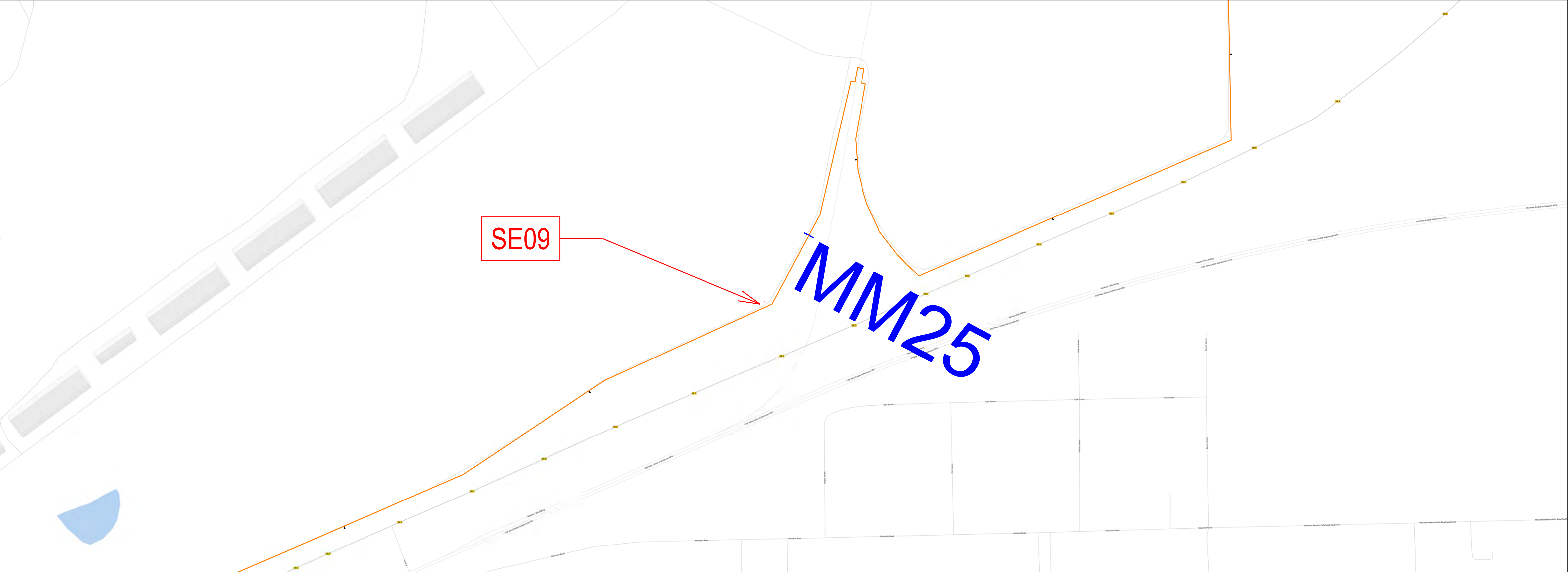


LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR SE08



# DETAIL SHEET FOR SE09



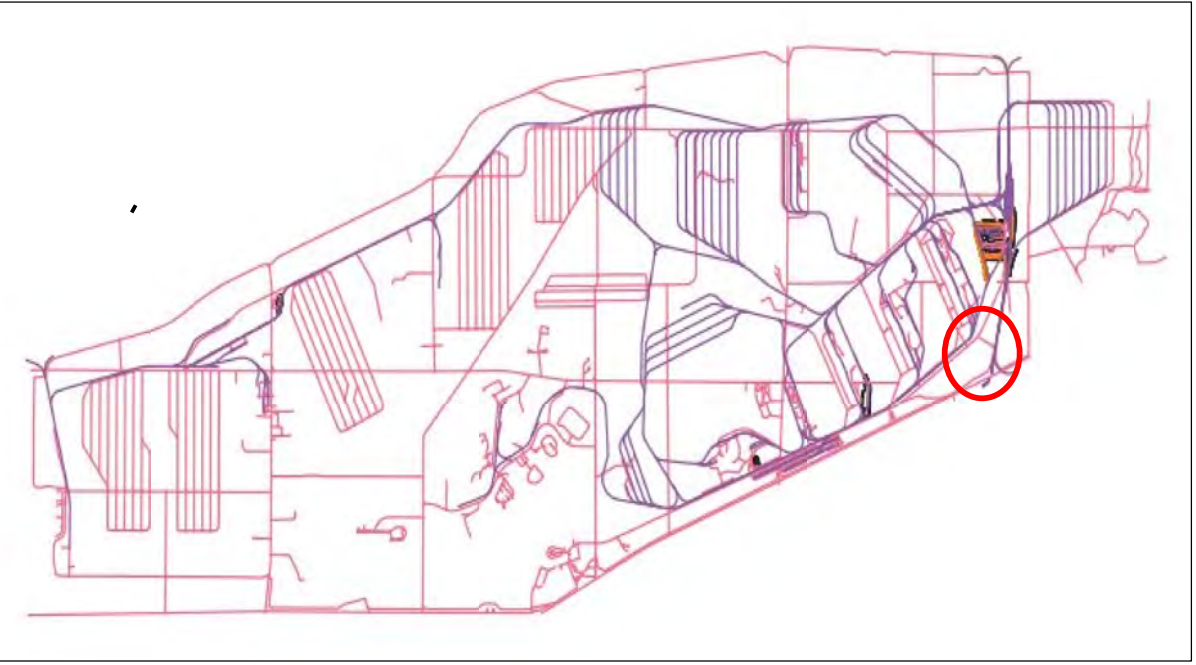
Tree on Fence at Mile 25.08

Discovered December 15, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

## CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

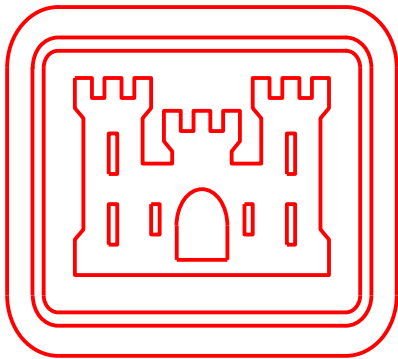


Ohio Army National Guard



Ohio

Produced in December 2020 for:



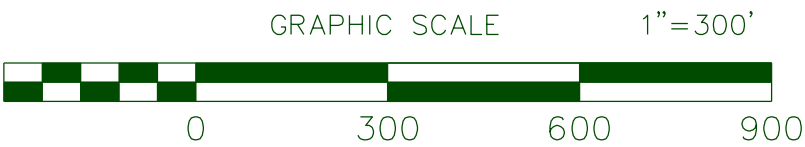
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

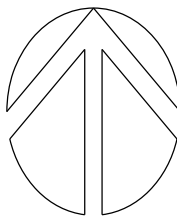
Louisville District

Surveyor of Record  
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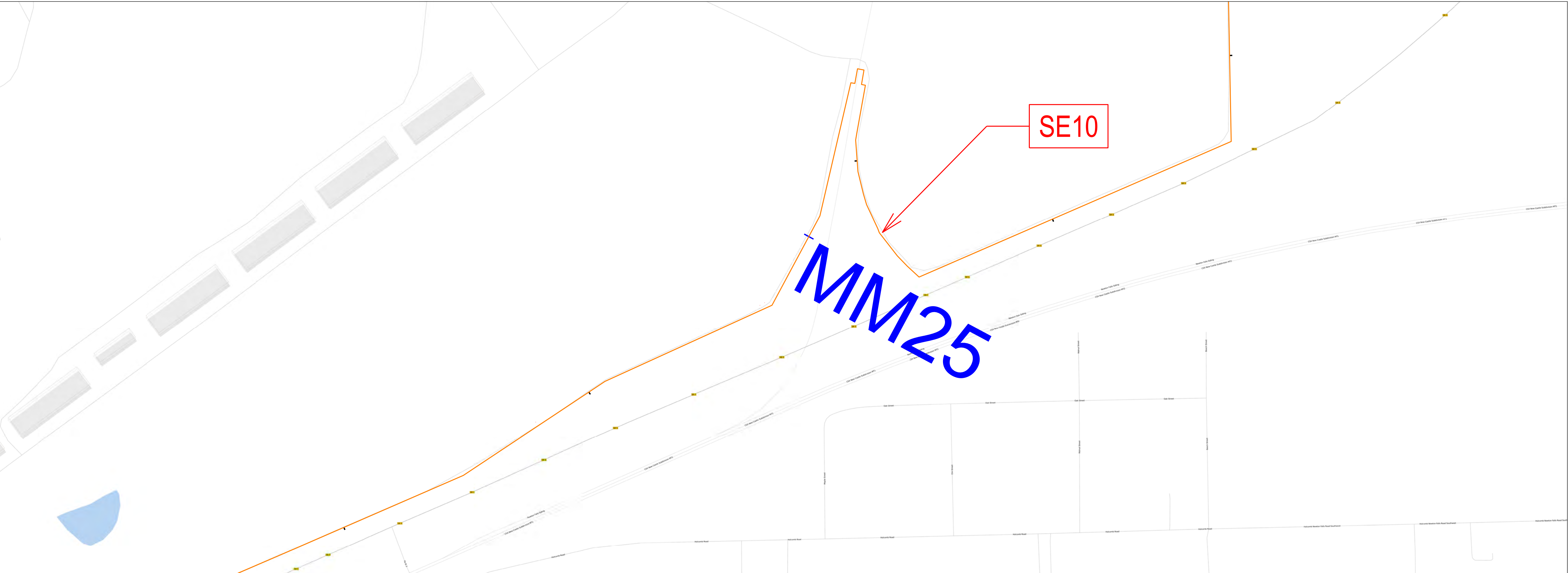


# LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR SE09



# DETAIL SHEET FOR SE10



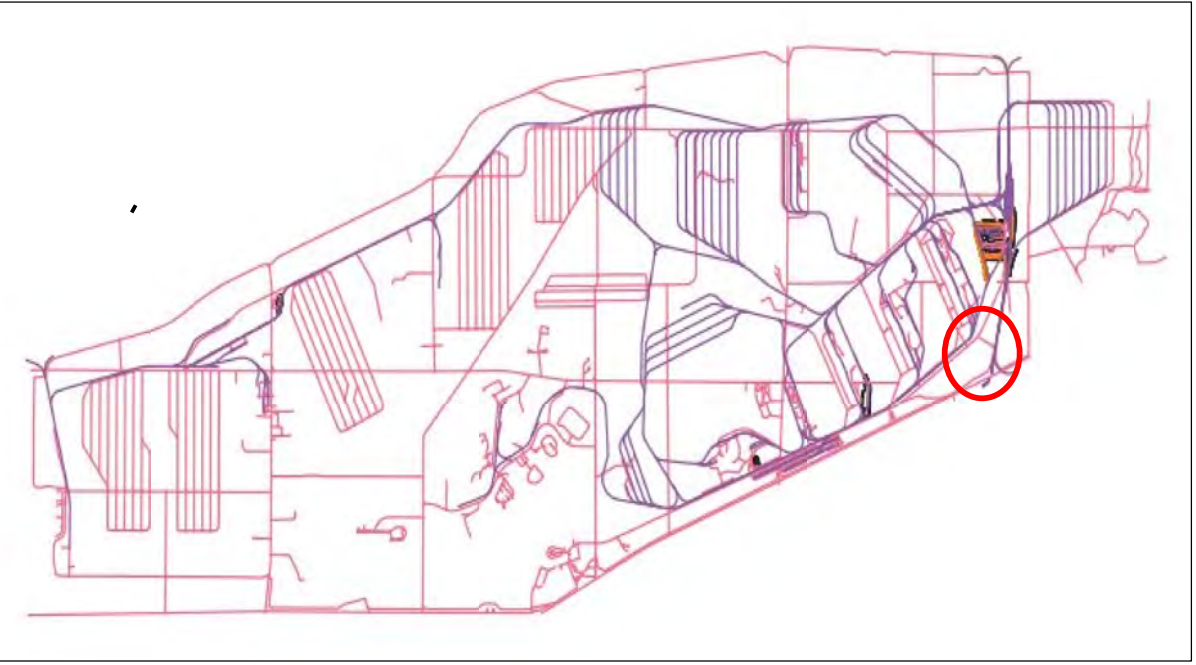
Tree on Fence at Mile 24.68

Discovered December 15, 2020



- LEGEND:
- = PERIMETER FENCE EVALUATED
  - = OPENING IN FENCE GREATER THAN 2'
  - = REPAIRED
  - = FENCE LINE MILE MARKER

CAMP JAMES A GARFIELD



Portage & Trumbull County  
LOCATION MAP

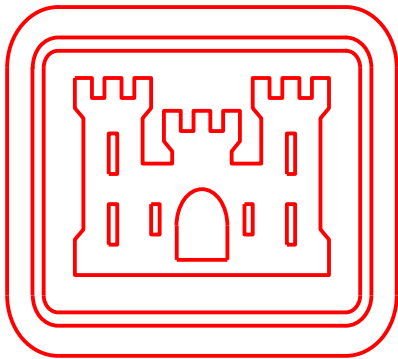


Ohio Army National Guard



Ohio

Produced in December 2020 for:



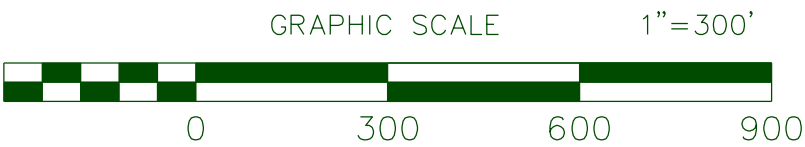
US Army Corps  
of Engineers

600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202

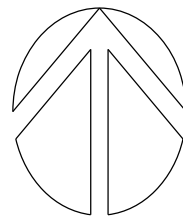
Louisville District

Surveyor of Record  
Scott D. Masciantoni, PLS SU075486 / LS5918  
Chenega Tri-Servcies, LLC

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## LAND USE CONTROL (LUC) 2020 ANNUAL PERIMETER FENCE INSPECTION

DETAIL SHEET FOR SE10



# **Appendix I**

## **2020 RVAAP-51 Dump Along Paris-Windham Road**

### **Photographs**



2020 RVAAP-51 Dump Along Paris-Windham Road photographs



RVAAP-51, asbestos warning sign delineating Land Use Control area along Paris-Windham Road.



RVAAP-51, warning sign delineating Land Use Control area along Paris-Windham Road.



2020 RVAAP-51 Dump Along Paris-Windham Road photographs



RVAAP-51, Land Use Control area delineated by signs along Paris-Windham Road, looking south.



RVAAP-51, Land Use Control area delineated by signs along Paris-Windham Road, looking north from southern portion of the site.