



FINAL 2015 Annual Land Use Control Inspection Report

Former Mortar Range Munitions Response Area, Fort George G. Meade, Maryland

February 2016





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**2015 Annual Land Use Control
Inspection Report**

Former Mortar Range Munitions
Response Area

Fort George G. Meade, Maryland

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Acronyms and Abbreviations

Arcadis	Arcadis U.S., Inc.
DoD	U.S. Department of Defense
EC	Engineering Control
EOD	Explosive Ordnance Disposal
FGGM	Fort George G. Meade
GPS	Global Positioning System
LTM	Long-Term Management
LUC	Land Use Control
MD	Maryland
MEC	Munitions and Explosives of Concern
MPPEH	Material Potentially Presenting an Explosive Hazard
MRA	Munitions Response Area
MRS	Munitions Response Site
RI	Remedial Investigation
ROD	Record of Decision
SI	Site Inspection
the JV	The PIKA International, Inc. – Malcolm Pirnie, Inc. Joint Venture LLC
U.S.	United States
UXO	Unexploded Ordnance



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Executive Summary

This report presents the results of the 2015 annual Land Use Controls (LUC) inspection of the former Mortar Range Munitions Response Area (MRA) at Fort George G. Meade. The LUC inspection was conducted on 19 and 20 August 2015 by Arcadis U.S., Inc. (Arcadis). The annual LUC inspection complies with the Record of Decision (ROD) signed 27 September 2012. The selected remedy for the former Mortar Range MRA includes LUCs with long term management. The purpose of the annual inspections is to confirm the land use of the site has not changed, the no dig warning signage is still in place and to ensure no Munitions and Explosives of Concern / Material Potentially Presenting an Explosive Hazard (MEC/MPPEH) or munitions debris has been exposed through erosion or frost heave. A follow up Site visit was completed on 17 December 2014 that was not documented in the Final 2014 Annual Land Use Control Inspection Report submitted on 31, December 2014. During the December 2014 follow up Site visit, Sign 2 was replaced.

The following observations were made during the August 2015 inspection:

- During the inspection a Global Positioning System (GPS) was utilized to track the paths walked through the site areas and record coordinates of any findings;
- Signs 8 and 12 were not located where originally installed, (assumed that the sign was removed during construction activities). The signs were not replaced during the inspection;
- A potential MEC/MPPEH or munitions debris was identified in Area 2. An Explosive Ordnance Disposal (EOD) team was dispatched to investigate. The item was determined to be piece of scrap metal;
- Several subsurface anomalies were detected. Locations of the anomalies were recorded with the GPS or marked with pin flags;
- Several areas with erosion, ground disturbances, and stressed vegetation were identified and recorded with the GPS or marked on the field map;
- Sections of Area 2 were under development during the site inspection.
- Land use remains consistent (non-residential) as noted in the ROD.



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1. Introduction and Site Background

Arcadis U.S., Inc. (Arcadis) has been retained by the United States (U.S.) Army Corps of Engineers to support the Installation Restoration Program and Military Munitions Response Program activities at Fort George G. Meade (FGGM), located in Anne Arundel County, Maryland (MD). The PIKA International, Inc. – Malcolm Pirnie, Inc. Joint Venture LLC (the JV) conducted all work in accordance with Contract W912DR-12-D-0007 Task Order 0004.

This 2015 Annual Land Use Controls (LUCs) Inspection Report is submitted as dictated by the Record of Decision (ROD), signed September 27, 2012, in accordance with the Comprehensive Environmental Response, Compensation and Liability Act and relevant and appropriate provisions of the National Oil and Hazardous Substances Pollution Contingency Plan.

1.1 Installation Overview

FGGM is located in Anne Arundel County, MD, almost midway between the cities of Baltimore, MD, and Washington, District of Columbia. The installation is situated approximately four miles east of Interstate 95 and immediately east of the Baltimore-Washington Parkway (MD Route 295), between MD Routes 175 and 32.

Following implementation of the requirements of the 1988 Base Realignment and Closure Act, the installation boundary was reduced to what currently occupies approximately 5,100 acres. The present-day boundaries encompass the area previously referred to as the cantonment area which is used for administrative, recreation, and housing facilities.

1.2 Former Mortar Range MRA Location and History

The former Mortar Range Munitions Response Area (MRA) is a former training range and training area located in the west-central portion of FGGM (**Figure 1**). The former Mortar Range MRA (FGGM-003-R) is comprised of the 62-acre Mortar Area (FGGM-003-R-01) and the 260-acre Training Area (FGGM-003-R-02) Munitions Response Sites (MRSs) (**Figure 1**).

Based on the 2007 Site Inspection (SI) and the 2011 Remedial Investigation (RI) Reports, the site was used as a practice/training mortar range beginning in the early 1920s (Malcolm Pirnie, 2007). Training was assumed to have ended in the 1940s



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based on munitions debris found during the RI (Arcadis/Malcolm Pirnie, 2011). On 8 February 2012, a 75-mm Mk1 shrapnel projectile with a Mk3A1 fuze was encountered approximately six feet below ground surface during excavation activities. The item was found within the boundaries of the Training Area MRS.

During the RI field activities, no Munitions and Explosives of Concern (MEC) (except small arms ammunition not presenting a unique explosive hazard) were found on the MRA; however, a variety of munitions debris from 60 and 81 millimeter training mortar rounds, 3-inch Stokes training mortar rounds, a training landmine, flares, practice grenades, a dummy grenade, discarded small arms ammunition, and casings from expended small arms ammunition were found. The training mortar rounds, identified during the RI MEC field activities, were concentrated in an area corresponding to the original location of the former Mortar Range shown on maps from the 1920s. An analysis of historical aerial photographs, performed during the RI, confirmed the Mortar Area MRS boundary. Additionally, a number of training areas within the former Mortar Range MRA were observed, and the former Mortar Range MRA boundary was determined to extend east to Taylor Avenue beyond the boundary established during the SI. As a result of these findings, the boundary was revised and the overall acreage of the former Mortar Range MRA was increased from a total of 291 acres to 322 acres. Based on the evidence of two distinct historical uses as a general troop training area and a training range, the former Mortar Range MRA (FGGM-003-R) was divided into the 62-acre Mortar Area (FGGM-003-R-01) and the 260-acre Training Area (FGGM-003-R-02) MRSs.

The majority of the former Mortar Range MRA began use as a golf course in 1956. The northwestern portion of the site is a secure U.S. Department of Defense (DoD) facility (West Campus) and is developed with buildings and associated paved surfaces (i.e., roadways, parking lots, and walkways). As of early 2012, construction of additional DoD buildings (East Campus) began on the area that was previously used as the golf course. The southern portion (Area 4) displayed on (**Figure 1**) is located on FGGM property located adjacent to the Exchange Building that opened in 2014.

The ROD for the former Mortar Range MRA documented LUCs and Long Term Management (LTM) as the selected remedy. LUCs for the site included institutional controls and engineering controls (ECs). ECs included no dig warning signage, and the LTM includes annual site inspections. The purpose of the annual inspections is to confirm the land use (non-residential) of the site has not changed, to verify the no-dig warning signage is still in place, and to ensure no MEC / Material Potentially



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Presenting an Explosive Hazard (MPPEH) or munitions debris has been exposed through erosion or frost heave.



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2. Site Activities

2.1 Summary of Activities

2.1.1 Annual Site Inspections / Surface Sweeps

There is the potential for MEC/MPPEH/munitions debris to resurface through mechanisms such as erosion or frost heaves; therefore, LTM is necessary. Inspection Areas 1-4 (**Figure 1**), as identified in the RD, are the four main undeveloped/wooded areas within the Mortar Range footprint. Because these areas are undeveloped, there is a greater chance of MEC/MPPEH/munitions debris to surface within these areas and therefore the surface sweeps are focused on these areas. The proposed inspection areas are subject to change based on actual site development. LTM includes annual LUC inspections to comply with administrative requirements to ensure the remedy remains protective. The 2015 annual LUC inspection occurred on August 19 and 20, 2015. Inspection details are illustrated on (**Figures 1 through 4**).

The 2015 annual LUC inspection activities included:

- Visual inspection / surface sweep for MEC/MPPEH/munitions debris;
- Inspection of condition of warning signs; and,
- Evaluation of land use.

2.2 Maintenance and Inspection Results

Field documentation of site activities is included as **Appendix A**. **Appendix B** includes the 2015 annual certification of LUCs. As noted in **Appendix B**, LUCs include requirements to obtain dig permits from the Directorate of Public Works for any intrusive activity at FGGM; Master Plan Regulations and FGGM GIS Database updates as appropriate. LUCs are also supplemented by the requirement for Unexploded Ordnance (UXO) Construction Support for all intrusive construction projects, and UXO avoidance procedures for any other intrusive activity. Additionally, an education program has been initiated for potential future site workers, users, and emergency responders at the MRA as needed. All components of the LUCs listed above remain in place and determined to be effective. The first 5-year review was completed on 26 of August 2015 by the USACE Buffalo District.



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2.2.1 Visual Inspection / Surface Sweep

A visual inspection and magnetometer-assisted surface sweep of 100 percent of accessible, undeveloped areas (**Figures 1 through 4**) was conducted by meandering path with an UXO Technician III to ensure no MEC/MPPEH/munitions debris have been uncovered by erosion or frost heave. The meandering path of the UXO Technician was recorded with a Global Positioning System (GPS) to ensure full coverage of the undeveloped areas. Portions of the site were inaccessible due to construction activities, a locked fence enclosure and heavy vegetation cover.

During the 2015 inspection, one potential MEC/MPPEH/munitions debris was observed in Area 2. GPS coordinates of the location were recorded. The Ft. Meade Fire Department was notified and an Explosive Ordnance Disposal (EOD) team was dispatched to the location. Upon inspection by the EOD team, the item of concern was determined to be a piece of scrap metal. The report completed by the EOD team for the incident along with the other four known EOD incident reports recorded at times other than the inspection are included in **Appendix C**.

Several subsurface anomalies were detected during the 2015 Annual Land Use Control Inspection. Coordinates of the anomalies were recorded with a GPS and provided in **Table 1**. Where the vegetation canopy prevented communication with GPS satellites, the locations of anomalies were marked with pin flags and their locations marked on a field map. The following anomalies were detected by Area:

- Area 1, a total of seven anomalies (see **Figure 2**),
- Area 2, a total of five anomalies (see **Figure 3**).
- Area 3, a total one anomaly (see **Figure 3**), and
- Area 4, a total of two anomalies (see **Figure 4**).

The locations of these anomalies should be revisited and inspected for exposed MEC/MPPEH/munitions debris during future annual inspection events.

2.2.2 Condition of Warning Signs

A total of 16 signs were installed throughout the undeveloped areas of the MRA in July and August of 2013 as part of the remedy implementation outlined in the ROD



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(Arcadis, 2012). Fourteen sign locations were located with GPS and inspected during the 2015 LUC inspection (**Figure 1**). All sign location data and inspection results are detailed in **Table 2**. Photos of the signs inspected in Area 4 are presented in **Appendix D**. The following are the observations of the condition of the signs during the inspection:

- Fourteen of the signs were located and observed to be in good condition;
- Sign 8 was inaccessible due to construction activities and was removed as a result of those activities. The sign was not replaced;
- Sign 12 could not be located from the north portion of Area 4. The sign was removed during construction activities by the Army Corp of Engineers in 2014. The sign was not replaced during the site inspection.

The area surrounding Signs 8 and 12 have been or are currently being developed. As a result of this change, Signs 8 and 12 are no longer required to ensure compliance with the ROD (Arcadis, 2012).

2.2.3 Evaluation of Changes in Land Use

During the 2015 annual inspection no changes in land use (non-residential) were reported; however, industrial construction activities are underway in Area 2 (**Figure 3**), and the amount of undeveloped area requiring inspection continues to decrease as development across the MRA expands. It was confirmed that a water line was installed through Area 2 in 2014.

In Area 1, signs of erosion near a channelized surface water drainage were observed as well as one area of apparent ground disturbance with stressed vegetation (**Figure 2**). The erosion appears to be the result of the construction of the channel and the result of runoff from Rockenbach Rd. The ground disturbance was in the vicinity of a pavilion and maybe associated with utilities running through the area. A portion of Area 1 was not accessible due to a fence associated with the Children's World Learning Center property at 9899 O'Brien Rd. Sign 11 is located to the south of Area 3 outside the physical inspection perimeter near a small stand of trees with signs noting "Reforestation Project Area".

In Area 2, several erosional features and one apparent ground disturbance were identified (**Figure 3**). The ground disturbance and one erosional feature appear to be



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associated with a water line, which was installed in 2014. The erosion feature in the southwest of Area 2 appears to be from runoff over a steep slope. The third feature is an east to west running eroded channel located in the central portion of the area associated with runoff from an outfall of a drainage pipe (**Figure 3**). Portions of Area 2 to the north and east were removed from the inspection area during the 2015 annual LUC inspection based on recent development. Additional undeveloped land was observed to the northeast of Area 2. This portion of undeveloped land is outside of the predetermined inspection Areas 1 through 4. Based on the 2011 Real Property Master Plan Update this section of the MRA is intended for future professional and industrial development (Atkins, 2011).

In Area 3, four erosional features and one ground disturbance were identified (**Figure 3**). Two erosional features were located on a steep slope along the northeast boundary of the area associated with runoff from the paved lot to the north. The third feature was located on sloped ground surface in a wooded area to the south and appears to be associated with runoff from a construction staging area to the north. The fourth feature is located in the northwest corner of the site and is associated with a saturated depression in the ground surface and surface runoff. Disturbed soils were identified in the southwest corner of the area and are apparently the result of a front end loader dumping soils in the woods.

In Area 4, two piles of construction debris, were observed at the south end of the area near the newly constructed Exchange building (**Figure 4**). The construction debris is apparently associated with the construction of the Exchange building. A small portion in the south of Area 4 was removed from the inspection area due to development associated with construction of the Exchange building (**Figure 4**). No signs of erosion were observed.

The erosional features should be revisited and inspected during future annual inspections to ensure that no MEC/MPPEH/munitions debris are unearthed.



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3. Conclusions and Recommendations

In summary, the 2015 Annual Site Inspection was conducted in accordance with procedures detailed in the ROD. All inspection objectives were satisfied including documenting current land use, inspection of the no dig warning signage, and ensuring no MEC/MPPEH or munitions debris has been exposed through erosion or frost heave since the last annual inspection completed.

Future Annual Site Inspections should be conducted during fall, winter, or spring months when vegetation growth is low. The undeveloped area observed to the northeast of inspection Area 2 should be included in future Annual Site Inspections until scheduled development of the area has begun. During future annual Site inspection events, coordination efforts with the appropriate facility manager at Children's World will be attempted to gain access to the undeveloped wooded area surrounding Children's World for inclusion of this area in the UXO surface sweep. The Children's World facility manager and staff have participated in the education program and information is available to families using this facility. Additionally, the staff inspect the playgrounds prior to use. During future LUC inspection events, the facility manager will be contacted to confirm the education program and inspections continue.



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4. References

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Tables

Table 1
Subsurface Anomaly Coordinates
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Category	Anomaly Identification	Latitude	Longitude	Easting (UTM18N) (m)	Northing (UTM18N) (m)
Subsurface Anomaly	1	39.10792380540	-76.76404700960	347475.423688	4330234.45111
Subsurface Anomaly	2	39.10800186320	-76.76397743410	347481.608074	4330242.99740
Subsurface Anomaly	3	39.10816174870	-76.76366961090	347508.569714	4330260.22510
Subsurface Anomaly	4	39.10821362240	-76.76326252690	347543.881331	4330265.29865
Subsurface Anomaly	5	39.10814426810	-76.76312976340	347555.211695	4330257.37852
Subsurface Anomaly	6	39.10950910960	-76.76039299900	347794.791523	4330404.26271
Subsurface Anomaly	7	39.10951053610	-76.75963228080	347860.571261	4330403.14607
Subsurface Anomaly	8	39.10668537510	-76.75885030480	347922.112649	4330088.28858
Subsurface Anomaly	9	39.10643347340	-76.75908241840	347901.500216	4330060.72032
Subsurface Anomaly	10	39.10645343860	-76.75865895550	347938.160091	4330062.22689
Subsurface Anomaly	11	39.10636300640	-76.75835470950	347964.273974	4330051.68090
Subsurface Anomaly	12	39.10596198720	-76.75854220220	347947.199512	4330007.48818
Subsurface Anomaly	13	39.10290629230	-76.75862791530	347933.220240	4329668.49888
Subsurface Anomaly	14	39.09877675490	-76.75653834610	348105.050529	4329206.69009
Subsurface Anomaly	15	39.09867055400	-76.75521236620	348219.492986	4329192.68659

Notes:
 M - Meter

Table 2
Warning Sign Inspection Results
 2015 Annual Land Use Control Inspection Report
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Label	UTM Zone 15N		General Location	Condition
	Easting	Northing		
Sign 01	1907236.2164	4456444.2603	Current Secure DoD Facility (West Campus); Between Cochrane Road and Rockenbach Rd.	Good
Sign 02	1907464.6985	4456466.9698	Current Secure DoD Facility (West Campus); Between Cochrane Road and Rockenbach Rd.	Good
Sign 03	1907634.5542	4456563.6832	Current Secure DoD Facility (West Campus); Where 3rd Cavalry Road once crossed Rockenbach Rd.	Good
Sign 04	1907767.4226	4456657.4576	Current Secure DoD Facility (West Campus); East of Day Care Center (Not on Day Care Center Property)	Good
Sign 05	1907813.8518	4456151.5854	Current Secure DoD Facility (West Campus); Undeveloped area at intersection of Love Road and O'Brien Road	Good
Sign 06	1907877.9211	4456146.0192	Current Secure DoD Facility (West Campus); Undeveloped area at intersection of Love Road and O'Brien Road	Good
Sign 07	1908012.6748	4456245.9214	Current Secure DoD Facility; sign was accessed from the West campus side of the enclosure.	Good
Sign 08	1908161.9767	4456282.9955	Future Secure DoD Facility (East Campus); Adjacent to fence separating East and West campuses	Could not be located. May have been removed during construction activities
Sign 09	1907923.7712	4455994.5358	Current Secure DoD Facility (West Campus); Along East median of O'Brien Rd.	Good
Sign 10	1907979.6362	4456000.9484	Current Secure DoD Facility (West Campus); Approximately 250 feet East of Sign 9	Good
Sign 11	1907937.2362	4455864.0738	Current Secure DoD Facility (West Campus); Eastern portion of undeveloped area between the parking lot East of O'Brien Rd.	Good
Sign 12	1908084.6816	4455658.0472	Future Secure DoD Facility	Could not be located. May have been removed during construction activities
Sign 13	1908096.4854	4455405.9023	Fort Meade Campus; East of O'Brien Road and near VCPS.	Good
Sign 14	1908489.5426	4455636.1219	Fort Meade Campus; Northeast of the gas station located at the intersection of Mapes Rd. and 6th Armored Cavalry Rd.	Good
Sign 15	1908364.4491	4455491.7507	Fort Meade Campus; West of the gas station located at the intersection of Mapes Rd. and 6th Armored Cavalry Rd.	Good
Sign 16	1908503.4237	4455544.2667	Fort Meade Campus; East of the gas station located at the intersection of Mapes Rd. and 6th Armored Cavalry Rd.	Good

Figures

Fort George G. Meade
2015 Annual Land Use Control Inspection

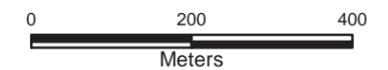


ARCADIS

Figure 1
2015 Land Use Controls
Annual Inspection

Legend

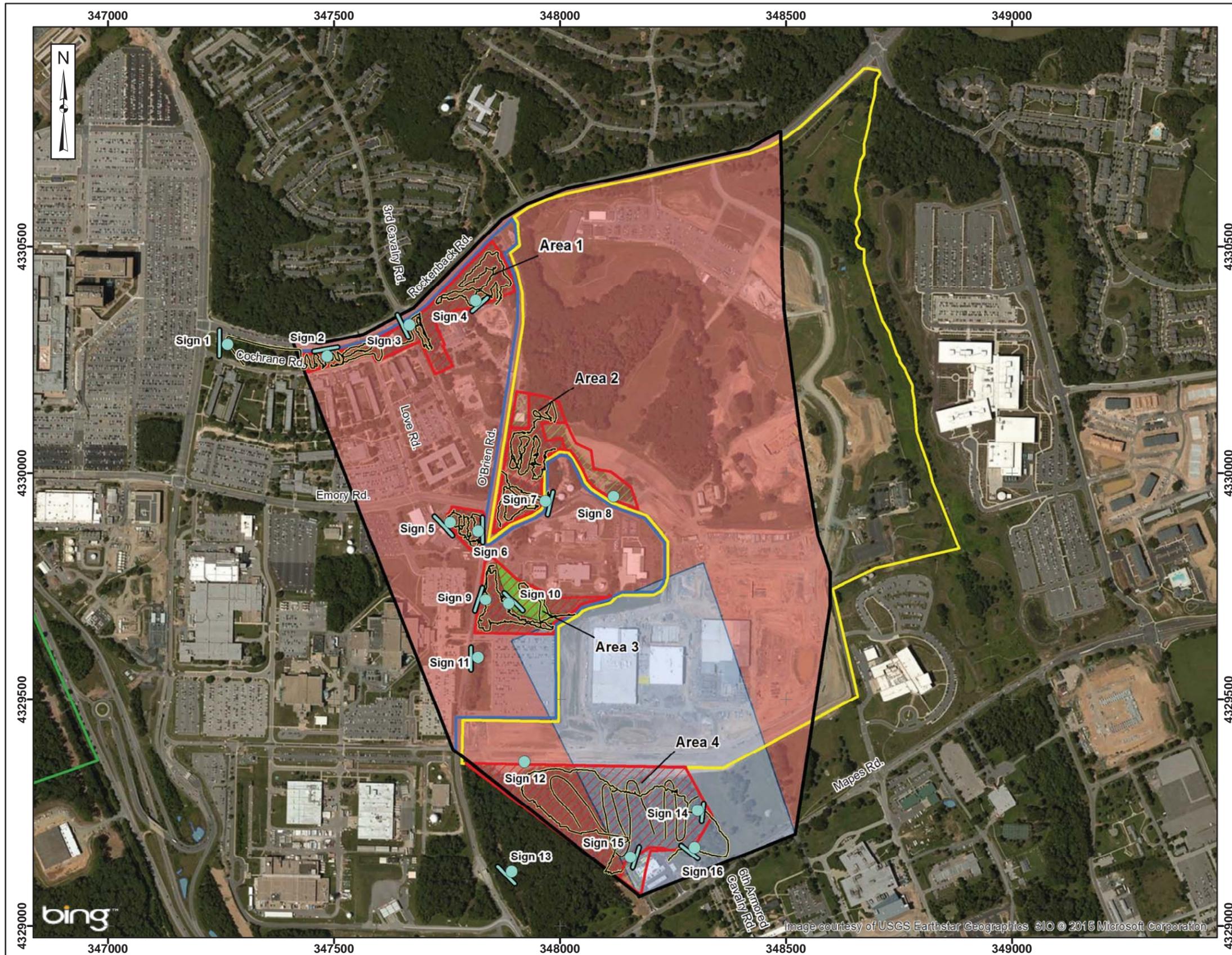
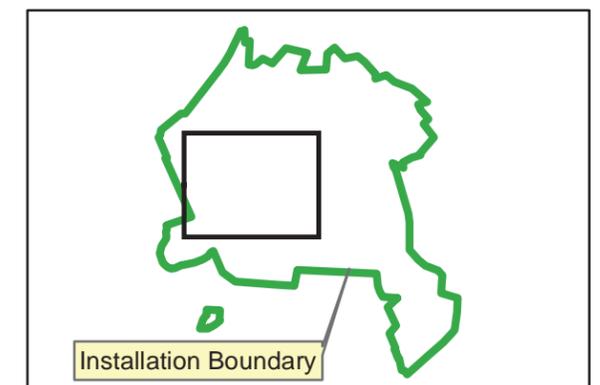
- Mortar Range MRA: Land Use Controls with on-call construction support for all intrusive construction projects, and anomaly avoidance procedures for any other intrusive activity
- Mortar Area MRS
- Training Area MRS
- Current Secure DoD Facility
- Future Secure DoD Facility
- Undeveloped / Inspection Area
- Development Change (area removed)
- 2015 Inspection Reconnaissance Path
- Construction Staging Area
- Sign Location
- Sign Orientation - direction indicates Sign Orientation



Data Sources: Bing Maps, Aerial Imagery; FGM, GIS Data, 2005

Coordinate System: UTM Zone 18N
Datum: NAD 1983
Units: Meters

Contract: W912DR-12-D-0007



bing

Image courtesy of USGS Earthstar Geographics SIO © 2015 Microsoft Corporation

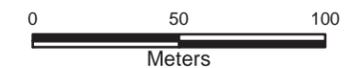


ARCADIS

Figure 2
Area 1
Annual Inspection Details

Legend

- Mortar Range MRA: Land Use Controls with on-call construction support for all intrusive construction projects, and anomaly avoidance procedures for any other intrusive activity
- Mortar Area MRS
- Training Area MRS
- Current Secure DoD Facility
- Future Secure DoD Facility
- Undeveloped / Inspection Area
- Development Change (area removed)
- 2015 Inspection Reconnaissance Path
- Sign Location
- Sign Orientation - direction indicates Sign Orientation



Data Sources: Bing Maps, Aerial Imagery; FGGM, GIS Data, 2005

Coordinate System: UTM Zone 18N
Datum: NAD 1983
Units: Meters

Contract: W912DR-12-D-0007

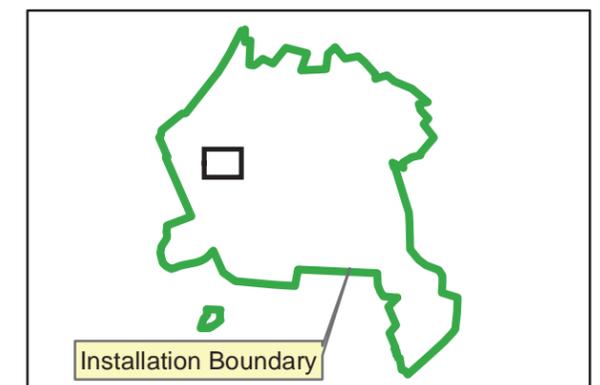


Image courtesy of USGS Earthstar Geographics SIO © 2015 Microsoft Corporation

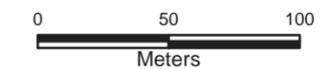


ARCADIS

Figure 3
Areas 2 and 3
Annual Inspection Details

Legend

- Mortar Range MRA: Land Use Controls with on-call construction support for all intrusive construction projects, and anomaly avoidance procedures for any other intrusive activity
- Mortar Area MRS
- Training Area MRS
- Current Secure DoD Facility
- Future Secure DoD Facility
- Undeveloped / Inspection Area
- Development Change (area removed)
- 2015 Inspection Reconnaissance Path
- Construction Staging Area
- Fenced Enclosure
- Erosion Channel
- Sign Location
- Sign Orientation - direction indicates Sign Orientation



Data Sources: Bing Maps, Aerial Imagery; FGGM, GIS Data, 2005

Coordinate System: UTM Zone 18N
Datum: NAD 1983
Units: Meters

Contract: W912DR-12-D-0007

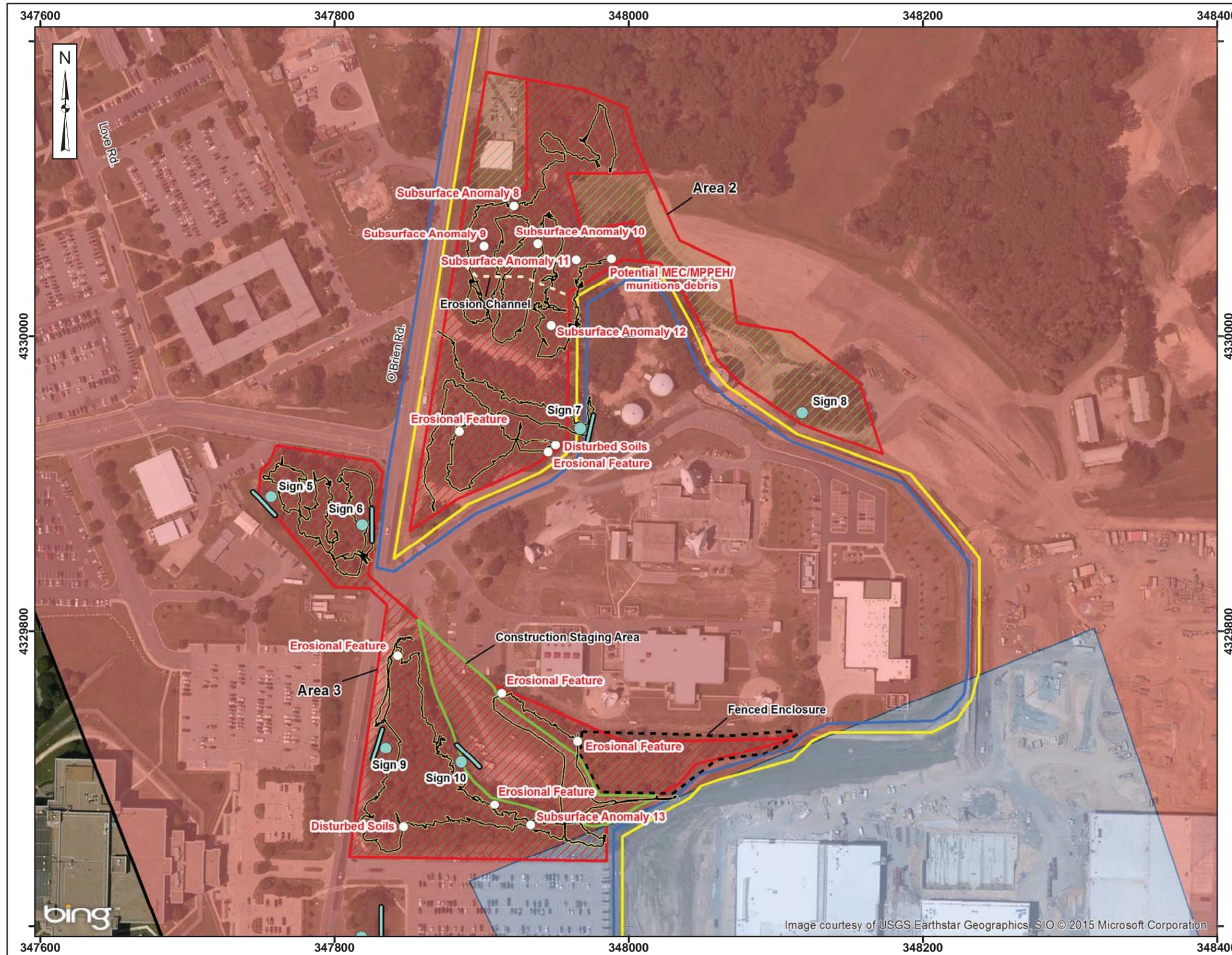
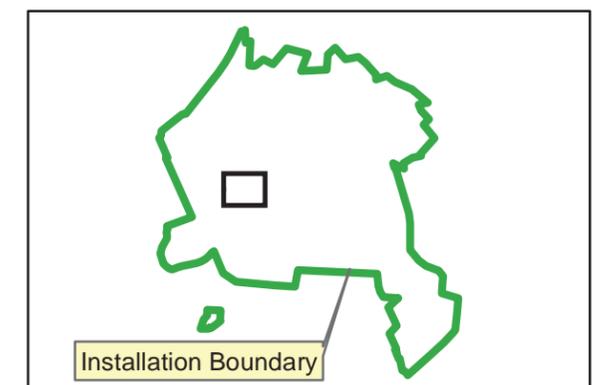


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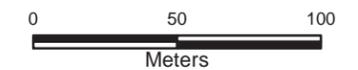


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Figure 4
Area 4
Annual Inspection Details

Legend

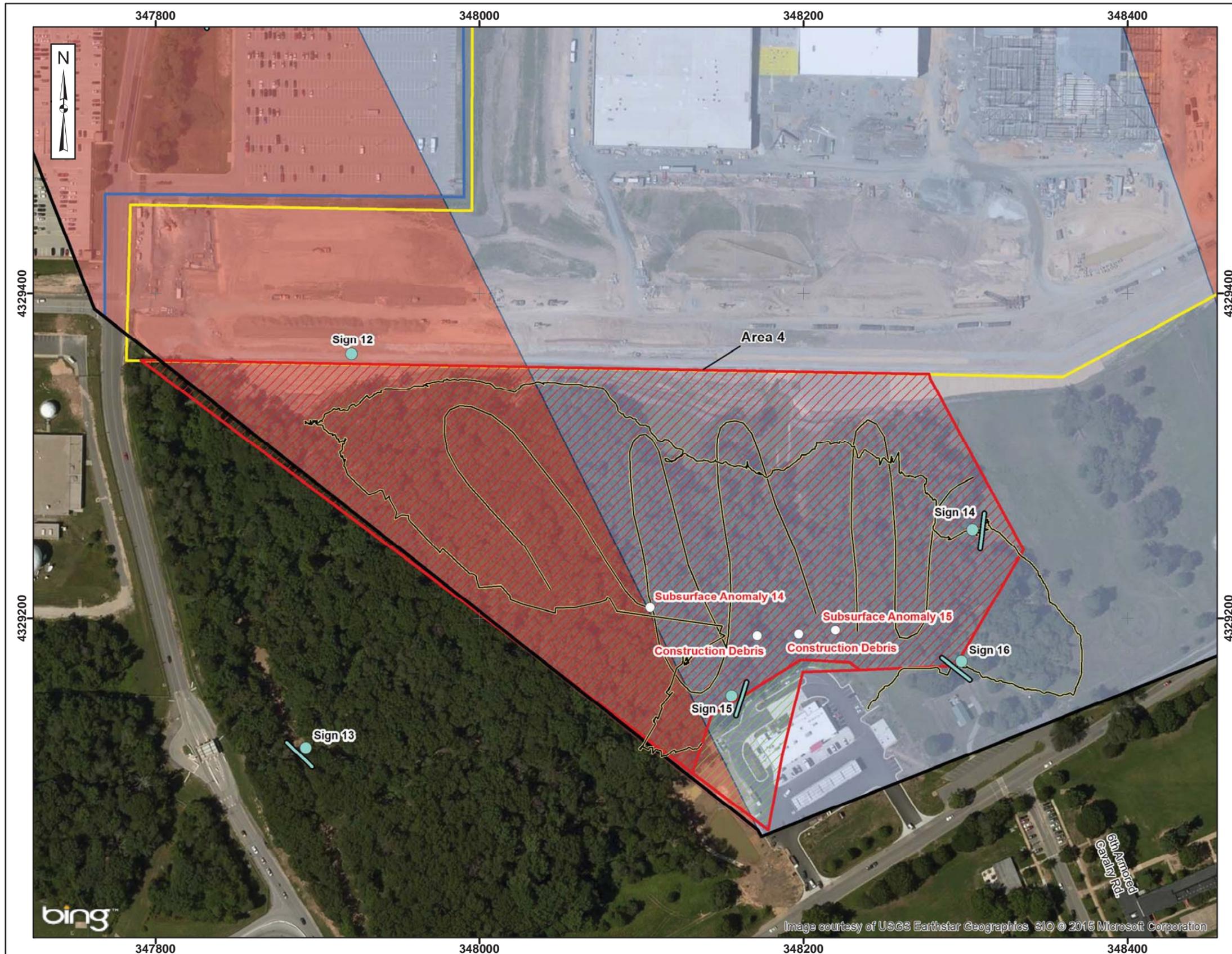
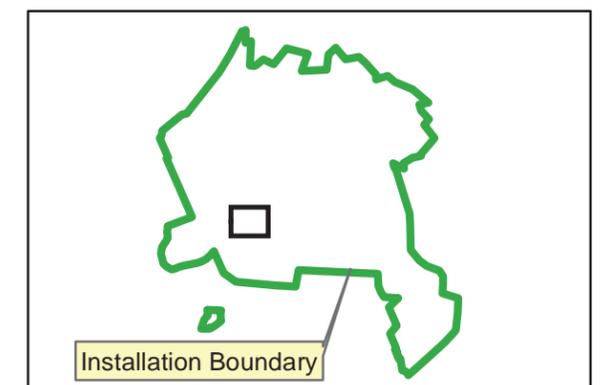
- Mortar Range MRA: Land Use Controls with on-call construction support for all intrusive construction projects, and anomaly avoidance procedures for any other intrusive activity
- Mortar Area MRS
- Training Area MRS
- Current Secure DoD Facility
- Future Secure DoD Facility
- Undeveloped / Inspection Area
- Development Change (area removed)
- 2015 Inspection Reconnaissance Path
- Sign Location
- Sign Orientation - direction indicates Sign Orientation



Data Sources: Bing Maps, Aerial Imagery; FGM, GIS Data, 2005

Coordinate System: UTM Zone 18N
Datum: NAD 1983
Units: Meters

Contract: W912DR-12-D-0007



Appendix A

Inspection Checklists and Field
Documentation

AREA I
Annual Inspection Checklist for Land Use Evaluation

1. Land Use Evaluation

Date: 8/19/15

1. Inspector walked over entire site. Yes No

Reason why not?

2. Check for any sign of the following conditions – note whether corrective action was taken:

Condition	Yes/No	Corrective Action Taken	Designation of Location Shown on Attached Map
Intrusive activities	YES	UXO SCAN GPS COORDS COLLECTED	NO GPS COORDS COLLECTED
MEC/MPPEH/munitions debris	NO	NA	NA
Signs of vegetative stress	YES	UXO SCAN GPS COORDS COLLECTED	NO GPS COORDS COLLECTED
Construction activities	NO	NA	NA
Signs of erosion	YES	UXO SCAN GPS COORDS COLLECTED	NO GPS COORDS COLLECTED
Other SUBSURFACE CONTACTS	YES	GPS COORDS COLLECTED	NO GPS COORDS COLLECTED
No residential / no change in land use	YES	NA	NA

3. Signs appropriately posted

Sign noting the following (# of signs installed)	Yes/No/# (46 total) SMC H TOTAL	Corrective Action*
Warning Sign (46) (4) SMC	YES	NONE

SEAN McGRANE STAFF GEOLOGIST

Printed Name & Title of Inspector

~~Katherine K. Malone, Geologist II, ARCADIS-US, Inc.~~ SMC 8/19/15

SEAN McGRANE STAFF GEOLOGIST ARCADIS-US, INC.

DON GIROUARD Tech III

Printed Name & Title of UXO Technician

~~Don Hains, Unexploded Ordnance (UXO) Technician III, ARCADIS-US, Inc.~~ SMC 8/19/15
 DON GIROUARD SMC PIRA

[Signature]

Date 8/19/15

Signature of Inspector

~~Katherine K. Malone~~ SMC

SEAN McGRANE

[Signature]

Date 8/19/15

Signature of UXO Technician

~~Don Hains~~ SMC 8/19/15
 DON GIROUARD

[Signature]

Date 10/0/15

Approved by George Knight, Program Manager
 Installation Restoration Program
 DPW-ED

*Note if sign is not useful in its current condition with location coordinates.

AREA II
Annual Inspection Checklist for Land Use Evaluation

1. Land Use Evaluation

Date: 8/19-20/15

1. Inspector walked over entire site. ~~X~~ Yes ___ No

Reason why not?

EAST ARM OF NORTH SECTION IS UNDER CONSTRUCTION

2. Check for any sign of the following conditions – note whether corrective action was taken:

Condition	Yes/No	Corrective Action Taken	Designation of Location Shown on Attached Map
Intrusive activities	YES	NOTE PICTURES TAKEN	YES
MEC/MPPEH/munitions debris	YES	NOTIFIED PM CALLED FIRE DEPARTMENT	YES
Signs of vegetative stress	NO	NA	NA
Construction activities	YES	PHOTO DOCUMENTED	YES
Signs of erosion	YES	UXO SCANNED PHOTO DOCUMENTED	YES
Other <u>SUBSURFACE CONTAM</u>	YES	IDENTIFIED	YES
No residential / no change in land use	NO	PHOTO DOCUMENTED	YES

3. Signs appropriately posted

Sign noting the following (# of signs installed)	Yes/No/# (46 total)	Corrective Action*
Warning Sign (46) <u>2</u>	NO <u>2 TOTAL</u>	<u>SIGNS REMOVED FOR CONSTRUCTION</u>

SEAN MCGRANE STAFF GEOLOGIST

Printed Name & Title of Inspector

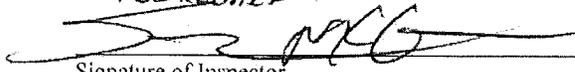
~~Katherine K. Malone, Geologist II, ARCADIS-US, Inc.~~ SM

DON GIROUARD TECH III PIKA

Printed Name & Title of UXO Technician

~~Dan Hains, Unexploded Ordnance (UXO) Technician III, ARCADIS-US, Inc.~~

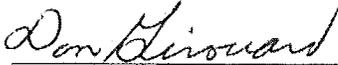
DON GIROUARD



Signature of Inspector

~~Katherine K. Malone~~ SM

Date 8/20/15



Signature of UXO Technician

~~Dan Hains~~ SM

Date 8/20/15



Date 10/8/15

Approved by George Knight, Program Manager
 Installation Restoration Program
 DPW-ED

*Note if sign is not useful in its current condition with location coordinates.

AREA III
Annual Inspection Checklist for Land Use Evaluation

1. Land Use Evaluation

Date: 8/19/15

1. Inspector walked over entire site. ___ Yes No

Reason why not?

AREAS ARE IN LOCKED ENCLOSURES

2. Check for any sign of the following conditions – note whether corrective action was taken:

Condition	Yes/No	Corrective Action Taken	Designation of Location Shown on Attached Map
Intrusive activities	YES	GPS COORDINATES TAKEN	YES
MEC/MPPEH/munitions debris	NO	NA	NA
Signs of vegetative stress	NO	NA	NA
Construction activities	YES	NONE STAGED CONSTRUCTION	YES
Signs of erosion	YES	GPS COORDS TAKEN	YES
Other SUBSURFACE CONDT	YES	GPS COORDS TAKEN	YES
No residential / no change in land use	NO	STAGED CONSTRUCTION EQUIPMENT	YES

3. Signs appropriately posted

Sign noting the following (# of signs installed)	Yes/No/# (16 total TOTAL)	Corrective Action*
Warning Sign (16 5)	YES NO 5/11	FIX MAP DIRECTION SIGN 11

SEAN MCGRANE STAFF GEOLOGIST
 Printed Name & Title of Inspector
~~Katherine K. Malone, Geologist II, ARCADIS-US, Inc.~~ S-7

DON GIROUARD TECH III
 Printed Name & Title of UXO Technician
~~Dan Hains, Unexploded Ordnance (UXO) Technician III, ARCADIS-US, Inc.~~ PEKA

[Signature] Date 8/19/15
 Signature of Inspector
~~Katherine K. Malone~~

[Signature] Date 8/19/15
 Signature of UXO Technician
~~Dan Hains~~

[Signature] Date 10/8/15
 Approved by George Knight, Program Manager
 Installation Restoration Program
 DPW-ED

*Note if sign is not useful in its current condition with location coordinates.

AREA IV
Annual Inspection Checklist for Land Use Evaluation

1. Land Use Evaluation

Date: 8/19-20/15

1. Inspector walked over entire site. Yes No

Reason why not?

2. Check for any sign of the following conditions – note whether corrective action was taken:

Condition	Yes/No	Corrective Action Taken	Designation of Location Shown on Attached Map
Intrusive activities	NO	NA	NA
MEC/MPPEH/munitions debris	NO	NA	NA
Signs of vegetative stress	YES	EROSION CONTROL GPS COORDS	GPS COORDS
Construction activities	NO	NA	NA
Signs of erosion	NO	NA	NA
Other SUBSURFACE CONTAMINATION	YES	MARKED WITH PENEFLAGS	YES
No residential / no change in land use	YES	NA	NA

3. Signs appropriately posted

Sign noting the following (# of signs installed)	Yes/No/# (16 total)	Corrective Action*
Warning Sign (16) 5	NO 5 TOTAL	NONE SEGN 12 MISSING

SEAN MCGRANE STAFF GEOLOGIST

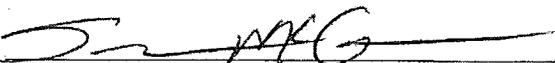
Printed Name & Title of Inspector

~~Katherine K. Malone, Geologist II, ARCADIS-US, Inc.~~

DON GIROUARD Tech III

Printed Name & Title of UXO Technician

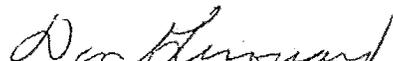
~~Dan Hains, Unexploded Ordnance (UXO) Technician III, ARCADIS-US, Inc.~~ PICA



Signature of Inspector

~~Katherine K. Malone~~

Date 8/20/15



Signature of UXO Technician

~~Dan Hains~~

Date 8/20/15



Date 10/8/15

Approved by George Knight, Program Manager
 Installation Restoration Program
 DPW-ED

*Note if sign is not useful in its current condition with location coordinates.

Appendix B

Annual Certification of Land Use
Controls Form

**Annual Certification of Land Use
Former Mortar Range MRA
Fort George G. Meade, Maryland
September 2015**

This certification is being made in accordance with the Remedial Design (RD) for the former Mortar Range MRA. The RD is in accordance with the former Mortar Range MRA Record of Decision (ROD) signed by the Fort George G. Meade (FGGM) garrison commander and USEPA Region 3 Director of the Emergency and Remedial Response Division on September 26, 2012 and September 27, 2012, respectively.

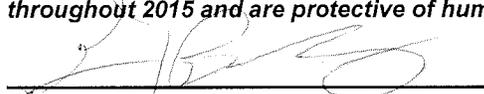
1. **Certification of Point of Contact:** The FGGM Installation Restoration Program Manager is the designated point-of-contact for monitoring, maintaining, and enforcing the site-specific LUCs as specified in Section 4 of the RD.
2. **Certification of Commitment to Funding:** Funding for the proposed LUCs has not yet been awarded.
3. **Certification of how LUC objectives outlined in Section 4.2 of the RD:**
 - A. **LUC Objective: To maintain a land use that is protective from risks associated with MEC/MPPEH:**
 - i. *Pit Removal:* The pit removal will be coordinated through FGGM Safety and Environmental Division (ED), with additional support from the USACE Huntsville Division, Ordnance and Explosives Center of Expertise. This will be done as a preliminary maintenance activity to prepare the Training Area MRS for the LUC program.
 - ii. *FGGM Master Plan:* The FGGM Master Plan will be updated based on the new land use requirements. As planned, construction is currently underway over a large portion of the MRA.
 - iii. *The FGGM Geographic Information System (GIS):* The FGGM GIS incorporates the area of applicability existing land and environmental restrictions, locations of known contamination, and locations of MRAs / MRSs. The plan is to incorporate the GIS into the new Master Plan by reference.
 - iv. *Dig Permits:* No excavation of soil without approval of the FGGM Department of Public Work and the secure DoD facility; no excavation of soil without the proper safety equipment and a health and safety plan.
 - v. *FGGM Access Regulations:* Access regulations are in place at FGGM. Although not closed to the public, access to FGGM is strictly controlled. Trespassing and unauthorized activities on FGGM are illegal.
 - vi. *Unexploded Ordnance (UXO) On-Call Construction Support:* Institutional controls will be supplemented by the requirement for UXO on-call construction support for all intrusive Military Construction projects, and anomaly avoidance procedures for any other intrusive activity. UXO procedures will be coordinated through FGGM Safety and ED, with additional support from the USACE Huntsville Division, Ordnance and Explosives Center of Expertise. All intrusive activities (e.g., investigations involving any digging, clearing activities, and construction activities) must be authorized prior to the commencement of work.
 - vii. *Posted Signs:* Signs will be posted around the site to prevent unauthorized digging. The conditions of these signs will be verified and documented annually.

- viii. *Education Program:* An education program will be initiated for potential future site workers, users, and emergency responders of the MRA. This will be coordinated through FGGM ED.
- ix. *Inspections:* Annual Inspection forms were developed and approved by the USEPA. These forms have been included with the RD.
- x. *Notification Requirements:* If the land use at the former Mortar Range MRA were to change, any and all notifications, as described in Section 4.5.3.5 of the RD, will be made to the regulators. Currently the land use has not changed (construction remains underway); therefore, there was no need to notify the USEPA or Maryland Department of the Environment (MDE) of any land use changes in the past year.
- xi. *CERCLA Five -Year Reviews:* The Army will conduct Five Year Reviews as required by CERCLA and the NCP to determine if the LUC have remained protected of human health under the currently and reasonably anticipated future use. The Army will not modify or terminate LUCs, implementation actions, or land use with approval by USEPA and MDE.

B. LUC Objective: Prohibit the development and use of the MRA for residential housing:

- i. *Prohibit residential land use:* Residential land use at the former Mortar Range MRA will be prohibited as part of LUCs. No future residential development is planned within the MRA boundary. Residential land use at the former Mortar Range MRA will be prohibited. Due to the fact that the former Mortar Range MRA is a site entirely included within the FGGM property boundary and this property will remain under ownership and control of the federal government, a deed notice will not be necessary.

"I certify that the site-specific land use controls for the former Mortar Range MRA have been in effect throughout 2015 and are protective of human health and the environment."



Program Manager
Installation Restoration Program
DPW-ED

10/8/15

Date

Attachments:

Appendix C

EOD Incident Reports

Appendix C
EOD Incidents Summary Table
Former Mortar Range
Fort George G. Meade, Maryland

Date	Location Identified	Description	Disposition	Incident Report Available
12/16/2011	East Campus construction	3" Trench Stokes mortar practice (no fuze)	Removed & detonated by EOD	N
2/8/2012	East Campus construction	munition as Mk1 shrapnel projectile with Mk3A1 fuze. TL deemed round too degraded for transport	Removed & detonated by EOD	Y
11/13/2012	Mortar Area MRS	60 mm practice mortar. No explosives or spotting charges are in this item (solid item).	USACE Baltimore	NA
5/13/2013	southwest portion of Shopette construction site (Mapes Rd)	Practice 3" Stokes uncovered during construction at 6-8" bgs	Removed & detonated by EOD	N
5/1/2013	Shopette construction site (Mapes Rd)	Second practice 3" Stokes uncovered during construction	Identified by UXO contractor	N
9/22/2014	East Campus construction	found in soil stockpile at site	Removed & detonated by EOD	N
7/24/2014	East Campus construction	Strokes 3" MK1 HE mortar	Removed & detonated by EOD	Y
6/5/2015	9495 Cyber Road	Strokes 3" MK1 HE mortar	Removed & detonated by EOD	Y
6/15/2015	East Campus construction	Strokes 3" MK1 HE mortar	Removed & detonated by EOD	Y
7/15/2015	East Campus Construction (Taylor Rd)	M69 practice mortar	Recovered by EOD for utilize for future training	Y
8/2/2015	Along a jogging trail	End Cap to a pipe	Turned over to Ft. Meade MP's	Y
8/20/2015	East Campus construction	Scrap metal pipe	N/A	Y

EXPLOSIVE ORDNANCE INCIDENT REPORT For use of this form, see PAM 27-162; the proponent agency is OTJAG.		1. UNIT NUMBER 55-041-15 192-142-15	2. CONTROL NUMBER 52-163-15	3. UNUSUAL <input type="checkbox"/>
				4. ROUTINE <input checked="" type="checkbox"/>
SECTION A: INITIAL INFORMATION				
5. DATE/TIME REPORTED 051138QJUN15	9. INCIDENT LOCATION 9495 Cyber Road Fort Meade, MD		11. ITEM(S) REPORTED 1 EA Mortar	
6. REPORTED BY SSG MccRachem, Travis				
7. PHONE NUMBER 301-677-6622	10. POINT OF CONTACT SSG McRachem, Travis 301-677-6622			
8. ADDRESS 9495 Cyber Road, Fort Meade, MD				
SECTION B: ACTION BY EOD				
12. PERSONNEL DISPATCHED SSG Baker, Seth (TL) SPC Comparini, Stefan A. CPT McIntosh, Arthur	13. DATE/TIME A. DPRT 051220QJUN15	14. TRAVEL DATA A. AIR: FLYING TIME	15. WORK HOURS A. TRAVEL 8	
	B. ARR 051345QJUN15	B. VEH: MILEAGE 106	B. INCIDENT 2	
	C. COMPL 051700QJUN15			
16. CONFIRMED IDENTIFICATION U.S. Cartridges, 3-IN., HE, Mortar, Stokes, MK 1; WP, MK 1; and Practice, MK 1		17. DISPOSITION disposed of by detonation IVO 18S UJ 51342 27282		
18. INCIDENT NARRATIVE (INCLUDE ALL SIGNIFICANT DETAILS AND PROBLEMS) 55-041-15: EOD Team departed Fort Belvoir, VA at 051220QJUN15. EOD Team arrived at 9495 Cyber RD. The EOD Team Leader linked up with NSA Police and was directed to the location of the Stokes 3in MK1 HE Mortar IVO grid 18S UJ 48003 29476. The EOD Team Leader secured the mortar and placed it in a closed metal container (CMC). The EOD Team was then escorted to a local disposal area (LDA). EOD Team Leader disposed of the MK1 at 1445 IVO 18S UJ 51342 27282. EOD Team departed LDA at 051445QJUN15 mission complete at 051700QJUN15. Explosives Consumed: 2EA, CHARGE, DEMOLITION, 1.25, C-4 M112 LOT#MA-01H039-011 1EA, 500' SHOCK TUBE WITH MN08 IGNITER W/CAP M21 LOT# EBG12D016-003 BN POC:910-366-1901 BN Duty Officer CO POC: 703-806-6019 SSG Baker, Seth SIR: NO				
SECTION C: AUTHENTICATION				
19. NAME AND GRADE AND SIGNATURE OF UNIT COMMANDER David A. Watkins, O-3 <small>WATKINS, DAVID ALLAN 127 0133734</small>		20. TELEPHONE NO. 703-806-6056	21. DATE (YYYYMMDD) 20150608	

EXPLOSIVE ORDNANCE INCIDENT REPORT For use of this form, see PAM 27-162; the proponent agency is OTJAG.		1. UNIT NUMBER 55-043-15	2. CONTROL NUMBER 52-148-15 192-169-15	3. UNUSUAL <input checked="" type="checkbox"/>
4. ROUTINE <input type="checkbox"/>				
SECTION A: INITIAL INFORMATION				
5. DATE/TIME REPORTED 151245QJUN2015	9. INCIDENT LOCATION 9800 Savage Rd. Fort Meade, MD 18SUJ4688430339		11. ITEM(S) REPORTED 1 EA, UXO	
6. REPORTED BY NSA Fort Meade, MD	10. POINT OF CONTACT Agent Zook (301) 688-6911			
7. PHONE NUMBER (301) 688-6911	8. ADDRESS Ft. Meade, MD			
SECTION B: ACTION BY EOD				
12. PERSONNEL DISPATCHED SSG Crumpton, Dewon (TL) SPC Hill, Brandon (TM)	13. DATE/TIME A. DPRT 151330QJUN2015	14. TRAVEL DATA A. AIR: FLYING TIME	15. WORK HOURS A. TRAVEL 3.5	
	B. ARR 151422QJUN2015	B. VEH: MILEAGE 108	B. INCIDENT 7	
	C. COMPL 151706QJUN2015			
16. CONFIRMED IDENTIFICATION 1 EA, MK 1, 3 IN, HE Stokes Mortar		17. DISPOSITION Disposed of by Detonation 18SUJ 50557 27410		
18. INCIDENT NARRATIVE (INCLUDE ALL SIGNIFICANT DETAILS AND PROBLEMS) 55-043-15 EOD Team received a call from Ft. Meade NASA Police requesting assistance with disposition of 1 EA, UXO found near a construction zone at 18SUJ4688430339 on 150900QJUN2015. The EOD Team departed at 1513305QJUN2015 and arrived on scene at 151422QJUN2015. The EOD TL then conducted a recon of the items and determined the item was 1 EA, MK 1, 3 IN, HE Stokes Mortar. The EOD TL determined the condition of the ordnance as safe to transport. A local disposal was conducted on the Fort Meade Demo range at 18SUJ 50557 27410 on 151530QJUN2015. No other explosive hazards were found. The EOD Team departed the scene at 151538QJUN2015 and returned to Fort Belvoir, VA. Mission Complete: 151706QJUN2015 Explosives Consumed: 1 EA, M023, CHG DEMO BLOCK, M112 LOT: MA-10H039-011 1 EA, MN88, CAP, BLASTING M21 LOT: EBG12D016-003 BN POC: SFC Paul 910-366-1001 CO POC: CPT Aebi 214-223-4275 SIR: No				
SECTION C: AUTHENTICATION				
19. NAME AND GRADE AND SIGNATURE OF UNIT COMMANDER CPT Aebi, Vincent J. <small>AEBI VINCENT J. 130042971 4</small>		20. TELEPHONE NO. 703-806-6056	21. DATE (YYYYMMDD) 20150625	

EXPLOSIVE ORDNANCE INCIDENT REPORT For use of this form, see PAM 27-162; the proponent agency is OTJAG.		1. UNIT NUMBER 55-052-15 192-167-15	2. CONTROL NUMBER 52-194-15	3. UNUSUAL <input type="checkbox"/>
				4. ROUTINE <input type="checkbox"/>
SECTION A: INITIAL INFORMATION				
5. DATE/TIME REPORTED 150850QJUL15	9. INCIDENT LOCATION NSA East Construction Site Taylor Road 18SUJ4845429797		11. ITEM(S) REPORTED UXO, cylindrical pipe	
6. REPORTED BY Fort Meade Police Dept.				
7. PHONE NUMBER 301-677-6622	10. POINT OF CONTACT SGT Heath Jordan Fort Meade Police Dept 301-677-6622			
8. ADDRESS Taylor Road, Fort Meade				
SECTION B: ACTION BY EOD				
12. PERSONNEL DISPATCHED SSG Joiner, Corey (TL) SPC Sayne, Timothy (TM)	13. DATE/TIME A. DPRT 150910QJUL15	14. TRAVEL DATA A. AIR: FLYING TIME NA	15. WORK HOURS A. TRAVEL 4 Hours 15 minutes	
	B. ARR 151057QJUL15		B. INCIDENT 5 minutes	
	C. COMPL 151310QJUL15	B. VEH: MILEAGE 115		
16. CONFIRMED IDENTIFICATION 1EA M69 Mortar, Practice		17. DISPOSITION No explosive hazards Recovered UXO for training purposes		
18. INCIDENT NARRATIVE (INCLUDE ALL SIGNIFICANT DETAILS AND PROBLEMS) 55-052-15: EOD Team 10 departed Fort Belvoir at 150910QJUL15 and arrived at NSA East construction site, Taylor Road, Fort Meade MD at 151057QJUL15. En route item was tentatively identified as an M69 practice mortar utilizing photographs sent from the officer on scene. Once at the incident site (grid 18SUJ4845429797) the EOD Team Leader performed a recon of the item and confirmed it to be 1x M69 practice mortar. The EOD Team Leader recovered the UXO to utilize in future training. The EOD team departed the incident site at 151103QJUL15. Mission complete at 151310QJUL15. Explosives Consumed: N/A BN POC: 910-366-1901 BN Duty Officer CO POC: 703-806-6019 SSG Joiner, Corey SIR: No				
SECTION C: AUTHENTICATION				
19. NAME AND GRADE AND SIGNATURE OF UNIT COMMANDER CPT McIntosh, Arthur L. <small>MCINTOSH ARTHUR LAREN CE 1290939964</small>		20. TELEPHONE NO. 703-806-6056	21. DATE (YYYYMMDD) 20150716	

EXPLOSIVE ORDNANCE INCIDENT REPORT For use of this form, see PAM 27-162; the proponent agency is OTJAG.		1. UNIT NUMBER 55-131-14	2. CONTROL NUMBER 192-317-14	3. UNUSUAL <input type="checkbox"/>
				4. ROUTINE <input checked="" type="checkbox"/>
SECTION A: INITIAL INFORMATION				
5. DATE/TIME REPORTED 241310RJUL2014	9. INCIDENT LOCATION Fort Meade, MD 18S UJ 48392 30428		11. ITEM(S) REPORTED 1 UXO	
6. REPORTED BY CPL Phillippe				
7. PHONE NUMBER 301-677-6622	10. POINT OF CONTACT CPL Phillippe 301-677-6622			
8. ADDRESS Fort Meade PMO				
SECTION B: ACTION BY EOD				
12. PERSONNEL DISPATCHED SSG Mautino, Adam (TL) SPC Kitograd, Hannah (TM)	13. DATE/TIME A. DPRT 241600RJUL2014	14. TRAVEL DATA A. AIR: FLYING TIME 0	15. WORK HOURS A. TRAVEL 3.5	
	B. ARR 241725RJUL2014		B. INCIDENT 10	
	C. COMPL 242057RJUL2014	B. VEH: MILEAGE 90		
16. CONFIRMED IDENTIFICATION 1 ea. - MK 1, 3-IN., HE, Mortar, STOKES		17. DISPOSITION disposed of detonation		
18. INCIDENT NARRATIVE (INCLUDE ALL SIGNIFICANT DETAILS AND PROBLEMS) 55-131-14: EOD Team (SSG Mautino and SPC Kitograd) received a call from CPL Phillippe of the Fort Meade PMO regarding an UXO found at a construction site at 241250RJUL2014. The EOD Team departed at 241045RJUL2014 and arrived near the incident site at 241725RJUL2014. The EOD TL identified the UXO as 1 ea. - MK 1, 3-IN., HE, Mortar, STOKES. The round was unfuzed and had a shipping plug in the fuze well. The EOD TL deemed the round safe to move and transported the round to a local NSA range for disposal at 241735RJUL2014. EOD Team disposed of the munition by detonation at 241835RJUL2014. EOD TL went to check the shot hole and found everything had been disposed of. The EOD Team departed scene at 251900RJUL2014. Mission Complete: 241535RJUL2014 Explosives Consumed: 3 EA, M023, CHG, DEMO BLOCK, M112 LOT: MA-06D034-005 4 EA, M130, CAP BLASTING, ELECT, M6 LOT: RSL-05C001-027				
SECTION C: AUTHENTICATION				
19. NAME AND GRADE AND SIGNATURE OF UNIT COMMANDER CPT David A. Watkins		20. TELEPHONE NO. 703-806-6034	21. DATE (YYYYMMDD) 20140725	
WATKINS, DAVID, ALLAN, 1270131734				

EXPLOSIVE ORDNANCE INCIDENT REPORT For use of this form, see PAM 27-162; the proponent agency is OTJAG.		1. UNIT NUMBER 55-056-15	2. CONTROL NUMBER 192-178-15	3. UNUSUAL <input type="checkbox"/>
				4. ROUTINE <input checked="" type="checkbox"/>
SECTION A: INITIAL INFORMATION				
5. DATE/TIME REPORTED 021720QAUG2015	9. INCIDENT LOCATION FT Meade Maryland 18S UJ 48717 28111		11. ITEM(S) REPORTED 1x UXO	
6. REPORTED BY SGT Knupp				
7. PHONE NUMBER 301-677-6622	10. POINT OF CONTACT SGT Knupp FT Meade Police 301-677-6622			
8. ADDRESS Ft Meade EOC				
SECTION B: ACTION BY EOD				
12. PERSONNEL DISPATCHED SSG Torbush, Robert SPC Campbell, Christopher	13. DATE/TIME A. DPRT 021835QAUG2015	14. TRAVEL DATA A. AIR: FLYING TIME	15. WORK HOURS A. TRAVEL 04:34	
	B. ARR 021954QAUG2015	B. VEH: MILEAGE 117	B. INCIDENT 00:15	
	C. COMPL 022122QAUG2015			
16. CONFIRMED IDENTIFICATION End Cap to a Pipe		17. DISPOSITION Item was turned over to FT Meade MP's		
18. INCIDENT NARRATIVE (INCLUDE ALL SIGNIFICANT DETAILS AND PROBLEMS) 55-056-15: At 021720QAUG2015 55th OD CO (EOD) Team 12 received a call from the FT Meade Emergency Operations Cell (EOC) for a UXO at 18S UJ 48717 28111. They reported that a jogger had found a UXO located along a trail. The 55th EOD responded to 18S UJ 48717 28111 at 021954QAUG2015 and the Team Leader determined that the suspect UXO was the end cap to a 4 inch pipe. No other hazards were found. The end cap was turned over to the FT Meade MP's for disposal. The 55th EOD team returned to FT Belvoir without further incident at 022122QAUG2015. Class V used: N/A BN POC: 910-366-1901 BN Duty Officer CO POC: 703-806-6019 SIR: No				
SECTION C: AUTHENTICATION				
19. NAME AND GRADE AND SIGNATURE OF UNIT COMMANDER CPT Aebi, Vincent J. <small>AEBI, VINCENT J. 130042671 4</small>		20. TELEPHONE NO. 7038064547	21. DATE (YYYYMMDD) 20150803	

EXPLOSIVE ORDNANCE INCIDENT REPORT For use of this form, see PAM 27-162; the proponent agency is OTJAG.		1. UNIT NUMBER 55-062-15	2. CONTROL NUMBER 192-189-15 52-225-15	3. UNUSUAL <input type="checkbox"/>
				4. ROUTINE <input checked="" type="checkbox"/>
SECTION A: INITIAL INFORMATION				
5. DATE/TIME REPORTED 201140QAUG15	9. INCIDENT LOCATION Ft. Meade, MD 18S UJ 48019 30105		11. ITEM(S) REPORTED 1x UXO	
6. REPORTED BY Ft. Meade Police Department(PD)				
7. PHONE NUMBER 301-677-6622	10. POINT OF CONTACT Bruce S. Smith Ft. Meade Deputy Fire Chief			
8. ADDRESS Ft. Meade, MD	410-320-9440			
SECTION B: ACTION BY EOD				
12. PERSONNEL DISPATCHED SSG Green, Davin M. (TL) SPC Herrington, Samuel S. (TM)	13. DATE/TIME A. DPRT 201210QAUG15	14. TRAVEL DATA A. AIR: FLYING TIME 0	15. WORK HOURS A. TRAVEL 7	
	B. ARR 201400QAUG15	B. VEH: MILEAGE 105	B. INCIDENT 8	
	C. COMPL 201605QAUG15			
16. CONFIRMED IDENTIFICATION Scrap Metal; No ordnance found		17. DISPOSITION N/A		
18. INCIDENT NARRATIVE (INCLUDE ALL SIGNIFICANT DETAILS AND PROBLEMS) 55-062-15: On 201140QAUG15 EOD support was requested by the Fort Meade PD for a reported UXO on the East Campus construction site IVO 18S UJ 48019 30105. EOD TM 3 departed Ft. Belvoir at 201210QAUG15 and arrived on scene at 201400QAUG15. EOD conducted a recon of the suspect UXO and determined to to be a piece of scrap metal pipe. EOD departed the scene at 201415QAUG15 and RTB Ft. Belvoir at 201605QAUG15. Class V used: None GP POC: Duty Officer (207) 412-0030 BN POC: Duty Officer (910) 366-1901 CO POC: SSG Green, Davin (703) 806-4547. SIR: NO				
SECTION C: AUTHENTICATION				
19. NAME AND GRADE AND SIGNATURE OF UNIT COMMANDER CPT McIntosh, Arthur L.	20. TELEPHONE NO. 703-806-6056	21. DATE (YYYYMMDD) 20150824		

Appendix D

Photo Log

**2015 Annual Land Use
Inspection Report**
Former Mortar Range Munitions
Response Area
Fort George G. Meade, Maryland



Photo 1: Sign 16 in Area 4.
Date: August 20, 2015
Location Taken: At the south edge of Area 4
Direction Facing: Northeast



Photo 2: Sign 14 in Area 4.
Date: August 20, 2015
Location Taken: At the east edge of Area 4.
Direction Facing: West

**2015 Annual Land Use
Inspection Report**
Former Mortar Range Munitions
Response Area
Fort George G. Meade, Maryland



Photo 3: Sign 15 in Area 4
Date: August 20, 2015
Location Taken: At the southwest
edge of Area 4
Direction Facing: West

Appendix E

Response to Comment Table

Response to Comments Table

Response Code: A = Agree with comment D = Disagree with comment C = Comment requires clarification N = Comment noted, no action required or taken

Comment Number	Commenter	Date of Comment	Page(s)	Section	Line(s)	Comment	Response Code	Response
1	MDE	12/22/15	2-2	2.2.1, Paragraph 4		The text recommends that the locations of anomalies identified during the 2015 inspection should be revisited and inspected for exposed MEC/MPPEH/munitions during future annual inspection events. In the 2014 annual inspection, were any anomalies noted? If so, were their locations revisited during the 2015 inspection to ensure that potential MEC/MPPEH/munition items had not been brought to the surface? If so, please discuss this in the text.	N	During the 2014 annual inspection no anomalies were identified during the UXO surface sweep, therefore there were no locations to revisit during the 2015 annual inspection. As a result, no Report revisions are necessary.
2	MDE	12/22/15	2-3	2.2.3, Paragraph 2, sentence 4		The text mentions that a portion of Area 1 was unavailable for inspection due to a fence surrounding the "Children's World Learning Center property." Is this a daycare facility? If so, presence of a daycare facility is incompatible with the Land Use Control restricting residential use of the Former Mortar Range. If anything, extra effort should be made to access the undeveloped portion of this property for inspection, to ensure the safety of the children using this facility.	A	Children's World is a childcare facility and was classified as a "developed area" in the Remedial Investigation (RI). A UXO surface sweep of the undeveloped wooded area to the north/northwest was not accessible during the 2015 annual inspection event due to a locked fence; however, a surface sweep was performed/documented during the RI (Arcadis, 2011). During future LUC inspection events, coordination efforts with the appropriate facility manager will be attempted to gain access to the undeveloped wooded area surrounding Children's World to conduct the UXO surface sweep. The use of this property as a childcare facility is not incompatible with residential use. The facility manager and staff have participated in the education program and information is available to families using this facility. Additionally, the staff inspect the playgrounds prior to use. During future LUC inspection events, the facility manager will be contacted to confirm the education program and inspections continue. These recommendations will be added to Section 3 of the report.
3	EPA	1/11/16				EPA needs additional information regarding the proximity of the Children's World Learning Center Property to the inspection areas of the former mortar range. It seems as though this facility is built on a portion of the former mortar range which is not consistent with the land use control residential use restrictions.	A	See response to MDE comment #2.