



DEPARTMENT OF THE ARMY  
HUNTSVILLE CENTER, CORPS OF ENGINEERS  
P.O. BOX 1600  
HUNTSVILLE, ALABAMA 35807-4301

REPLY TO  
ATTENTION OF:

CEHNC-MM-CX

MAY 05 2004

MEMORANDUM FOR U.S. Army Technical Center for Explosives Safety,  
Explosives Safety Knowledge, OE and Chemical Division, ATTN:  
SJMCM-ESM (Mr. Cliff Doyle), Building 35, 1C Tree Road,  
McAlester, OK 74501-9053

SUBJECT: Time Critical Removal Action (TCRA) Explosives Safety  
Submission (ESS) Fort McClellan, Bravo Area, Dog Kennel Sites  
Fort McClellan, AL

1. References:

a. Engineer Pamphlet 385-1-95b, Explosives Safety  
Submissions.

b. DoD 6055.9-STD, Ammunition and Explosives Safety  
Standards.

c. Memorandum, Headquarters, U.S. Army Corps of Engineers,  
ATTN: CESO-E, subject: Headquarters, Corps of Engineers  
Delegation of Authority, 25 March 2003.

2. Enclosed is the Time Critical Removal Action (TCRA)  
Explosives Safety Submission (ESS) for the subject location.

3. The nature of work that will be performed under this TCRA  
ESS is a surface clearance of approximately two (2) acres to be  
utilized for canine training that is being requested by Homeland  
Security. This work will be accomplished during weekends to  
minimize the impact on buildings that are occupied during the  
workweek.

4. The Military Munitions Center of Expertise (MM-CX) has  
reviewed and approved this Time Critical Removal Action for the  
Ordnance and Explosives Design Center, Huntsville, AL.

MAY 05 2004

CEHNC-MM-CX

SUBJECT: Time Critical Removal Action (TCRA) Explosives Safety Submission (ESS) Fort McClellan, Bravo Area, Dog Kennel Sites, Fort McClellan, AL

5. The MM-CX is submitting the TCRA ESS to you in order to obtain DDESB approval of its siting aspects, specifically:

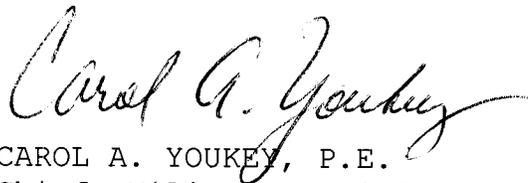
a. Magazine areas (see Figure 1 at Enclosure A): The magazine to be utilized has previously been established for the on going work at Fort McClellan covered under the approved ESS dated November 2003,

b. Intrusive Work Area (see Figure 2 at Enclosure A),

c. Intentional Detonation Areas (see Figure 2 at Enclosure A).

6. DDESB siting approval is requested as soon as possible. Surface clearance must be completed prior to 7 June 2004.

7. If you have any questions, please contact Mr. John Younghans at (256) 895-1513.



CAROL A. YOUKEY, P.E.  
Chief, Military Munitions Center  
of Expertise for the Ordnance  
and Explosives Directorate

Encl

CF:

Commander, U.S. Army Corps of Engineers, ATTN: CESO-SWD (Ms. Blanca Roberts), 441 G Street, NW., Washington, DC 20314-1000

EXPLOSIVE SAFETY SUBMISSION  
FOR A TIME-CRITICAL REMOVAL ACTION  
Ft. McClellan, Bravo Area, Dog Kennel Sites  
Ft. McClellan Alabama

1. SITE:

- a. Name: Fort McClellan FUDS#:
- b. Location: Anniston
- c. State: Alabama
- d. County:

2. ANTICIPATED DATES:

- a. Start: 1 June 04
- b. Complete: 14 June 04

3. PURPOSE: To safely locate, identify, recover, and dispose of all Munitions and Explosives of Concern (MEC) on the surface. This TCRA is being initiated to clear MEC that may endanger the land user during site use activities, which will be used as a canine training center for Home Land Security to be conducted at Ft McClellan.

4. EXECUTING AGENCIES:

- a. Corps District: POC: Tele:
- b. Huntsville: POC: Dan Copeland Tele: 256-895-1567
- c. Contractor: Foster Wheeler POC: Todd Biggs Tele: 256 820 7904

5. SCOPE OF REMOVAL ACTION:

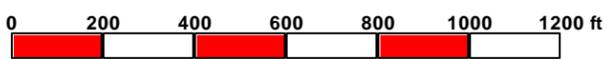
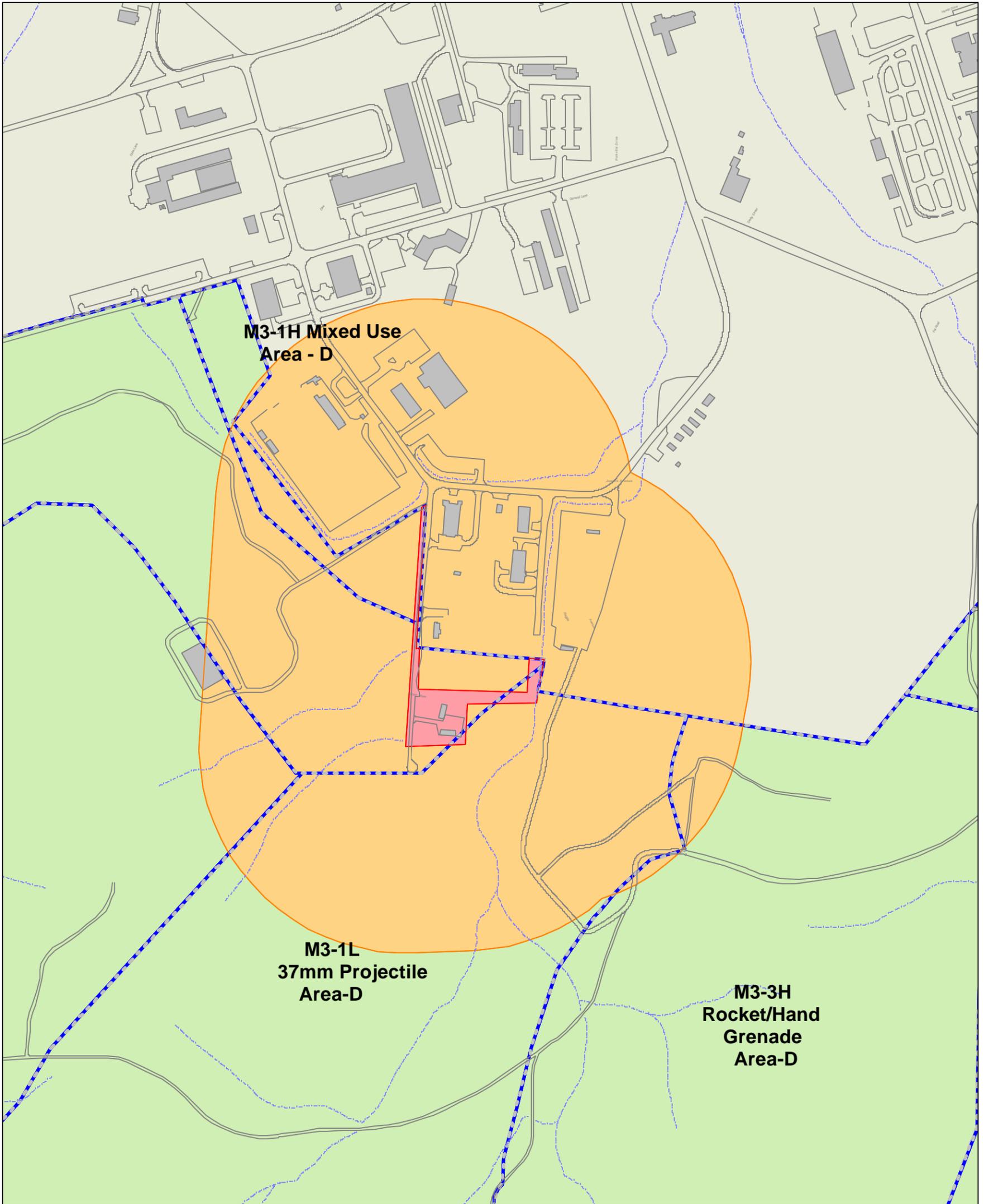
- a. Number of Area: 1
- b. Total Acres: 2
- c. Removal Depths: Surface Clearance

6. SAFETY CRITERIA: Bravo Area Dog Kennel Site. Work will be conducted on a week end or when the buildings inside the exclusion zone are unoccupied.

- a. Munition item with greatest Fragmentation Distance: 2.36 inch Rocket, Heat  
Calculated Maximum Fragmentation Range: 809 ft
- b. Q-D: OE Area Minimum Separation Distances: 809 ft.  
Team Separation Distance: 200 ft.
- c. Q-D Intentional Detonation Activities: 809 ft. \*
- d. Q-D Explosive Storage Magazine: All demolition materiel will be stored in FWENC's approved magazine located on Fort McClellan. The two magazines have been approved for use by Memorandum, Department of Defense Explosives Safety Board (DDESB), DDESB-KO, 31 October 2001, Subject: Site Plan and Final Safety Submission for Storage Facility for Ordnance and Explosives Disposal Support, Fort McClellan, AL. Magazine 1 has a 280-lb Net Explosive Weight (NEW) HD 1.1 limit; magazine 2 has a 20-lb limit. An Inhabited Building Distance IBD arc of 1085 feet applies
- e. DDESB Approved Engineering Controls in use: \* For intentional detonations, the contractor will use the sand bag method for controlling blast and fragments IAW

HNC-ED-CS-98-7. All residences within the 809-foot MSD will be evacuated on an as needed basis during OE field operations.

7. Field operational safety principals are contained in EP 385-1-95a, Basic Safety Concepts and Considerations for Ordnance and Explosives Operations, 29 June 2001, located at: <http://www.usace.army.mil/inet/usace-docs/engpamphlets/ep385-1-952/toc.htm>
8. Maps: See attached



SCALE: 1" = 400'

**LEGEND**

-  EZ (809') for MPM 2.36" Rocket
-  Dog Kennel Clearance Area
-  Bravo EE/CA Area Sectors
-  Roads
-  Buildings
-  Lakes
-  Streams
-  Fort McClellan

**Figure 1**

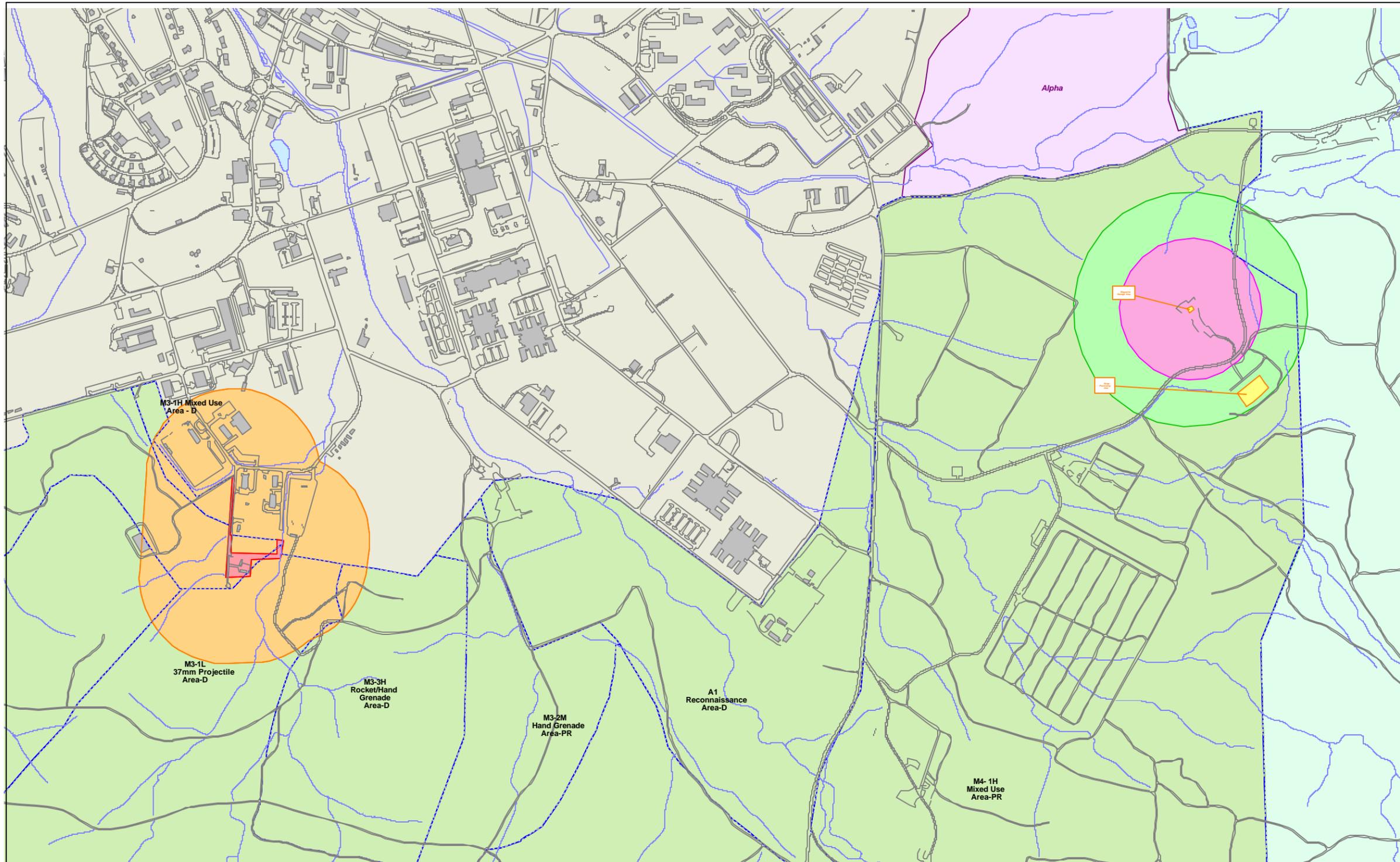
**Dog Kennel Clearance Area**

Fort McClellan,  
Anniston,  
Calhoiun County,  
Alabama

May 2004



TETRA TECH FW, INC.

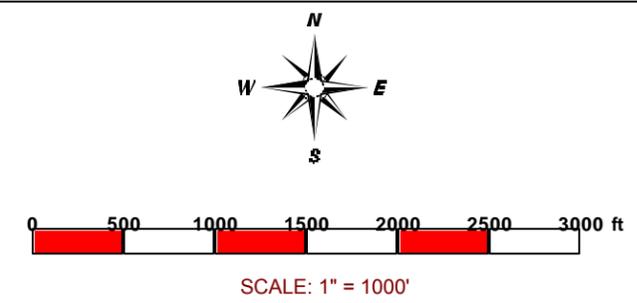


**Figure 2**  
**QD Arcs of Magazine Storage and Dog Kennel Area**

Fort McClellan  
 Calhoun County  
 Alabama  
 May 2004



FM: WWM



**LEGEND**

EZ (1250') for Inhabited Buildings	Bravo EE/CA Area and Sectors	Fort McClellan
EZ (750') for Public Roadways	Alpha EE/CA Area	Roads
Magazine Storage / Scrap Processing Areas	Charlie EE/CA Area	Buildings
Dog Kennel Clearance Area		Streams
EZ (809') for MPM 2.36" Rocket		Lakes

MAY 26 2004

MEMORANDAM FOR Chief, Design Center for Ordnance and Explosives Directorate, Huntsville, Alabama

SUBJECT: Time Critical Removal Action (TCRA) Explosives Safety Submission (ESS), Fort McClellan, Bravo Area, Dog Kennels, Fort McClellan, AL

1. The subject Safety Submission has been reviewed and is approved with the following conditions:

a. A copy of Technical Paper 16 (TP 16) will be available on-site.

b. A copy of HNC-ED-CS-S-98-7 "Use of Sandbags for Mitigation of Fragmentation and Blast Effects Due to Intentional Detonation of Munitions" must be maintained and available on-site.

c. Any changes to the approved procedures for execution of this project, will require an amendment to the ESS.

2. This approval is contingent on the Final Approval from Department of Defense Explosives Safety Board (DDESB).

3. If you have any questions, please contact Mr. John Younghans at (256) 895-1513.



CAROL A. YOUKEY, P.E.  
Chief, Military Munitions Center  
of Expertise for Ordnance and  
Explosives Directorate