

ATTACHMENT F

CONTINGENCY PLAN

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ATTACHMENT F

Contingency Plan

The information contained herein is submitted in accordance with the requirements for a contingency plan as specified in 40 CFR 270.14(b)(7) and 40 CFR 264.50-264.56.

F.1 General Information

This contingency plan is dynamic in that it requires updates as conditions change. It is important to keep this portion of the permit application updated. Some of the situations that will require revisions to the contingency plan include: (1) the facility permit is revised, (2) the plan is inadequate in an emergency, (3) the procedures herein can be improved, (4) the facility operations change in a way that alters the plan, (5) the emergency coordinator changes, and/or (6) the emergency equipment list changes. Amendments to this plan must be initiated through ADEQ, MCAS Yuma Environmental Department and MCAS Yuma CEODU. Adopted changes will be provided to all the members on the facility mailing list, and record holders of this permit application.

Copies of this Contingency Plan are available at the CEODU and Environmental Department offices located on the MCAS Yuma Main Base. Copies of this plan will also be provided to the MCAS Fire Department and the Yuma Regional Medical Center. Important information is briefly summarized as follows:

- Name: Munitions Treatment Range, BMGR
- Location: Portions of Yuma County
- Owner: United States Marine Corps
- Operators: MCAS Yuma Environmental Department
- EPA Identification No.: AZ4570024139
- Emergency Coordinators: See Exhibit F-5
- Facility Type: The MTR is used to treat munitions by open detonation.
- Facility Site Plan: See Exhibits F-1, F-2, F-3
- Description of Activities: Open detonation of waste explosive ordnance.

NOTE: To preclude amending this Contingency Plan and application for each change in a primary military member, an appropriate list of individual's name, duty, and home telephone numbers is maintained at the respective contact points.

F.2 Emergency Coordinators

In the event of an emergency, the OIC will contact the EOD base via radio or cell phone. CEODU base will then contact the director of operations at Range Management in the Weapons Compound Area at the MCAS Yuma Main Base, who in turn can contact the emergency coordinator, and additional assistance, if required. The list of the current emergency coordinators is found in Exhibit F-5.

The emergency coordinators organize, control, and direct cleanup efforts at the scene should an incident involve the transportation, handling, or demolition of explosive waste items. The emergency coordinators can designate other personnel (generally, the OIC onsite) to assist them in the event of an emergency. The emergency coordinator or designee has the full authority to obtain fire and medical support services should the need arise.

Explosive munitions demolition operations at the BMGR occur at considerable distance and over rugged terrain from either military or civilian emergency response organizations. Accordingly, the OIC and other EOD personnel receive additional training beyond regular EOD training.

At all times there shall be at least one employee either on the facility premises or on call (i.e., available to respond to an emergency by reaching the facility within a short period of time) with the responsibility for coordinating all emergency response measures.

F.3 Implementation of the Contingency Plan

The contingency plan will be implemented in the event of an incident involving explosive items that may threaten human health or safety or the environment. Emergency coordinators have full authority to implement this plan. A Naval Medical Corpsman is required to be on site for each event. The Naval Medical Corpsman is a qualified Emergency Medical Technician (EMT) and will be equipped with a full emergency triage medical kit. Depending on the degree of severity, the following potential emergencies might require implementation of the contingency plan:

- Fire
- Unplanned explosion
- Diesel fuel or gasoline spill
- Sudden severe weather conditions
- Animal, snake or insect bite

Non-sudden release of hazardous waste is not expected to be a problem on the MTR, because there is no onsite storage of hazardous waste.

F.4 Emergency Response Procedures

An incident that creates an actual or potential imminent threat to human health, including public safety, or the environment, including property, is considered an explosives emergency, and emergency procedures will be followed.

F.4.1 Notification

Any CEODU personnel discovering an emergency condition must alert other team members and the OIC who will assess the situation, order a withdrawal if necessary, and notify Range Management of events and course of action. The Emergency Coordinator and the Environmental Departments must also be immediately notified about any unusual or emergency conditions. When there is any implementation of the Contingency Plan and immediately following the above MCAS Yuma notifications, the emergency coordinator shall notify ADEQ.

F.4.2 Evacuation Routes

In the event of an accident, incident, or explosive mishap, all operations will cease. The emergency signal will be given (continuous sounding of a truck siren for one minute). All personnel not in a danger area will report to the designated safe area (designated during the safety meeting held before each event). A muster will be taken of all personnel present in the designated safe area. Personnel in an immediate threat area will seek shelter in the emergency bunkers located on the MTR. All personnel will remain in the designated safe area/emergency bunkers until the All Clear (two 30-second bursts of a truck siren) is given. Except for evacuating any injured personnel, the accident, incident, or explosive mishap area will not be disturbed.

If the Naval Medical Corpsman (EMT qualified and equipped with full emergency triage medical kit), or the OIC (in the Corpsman's absence), decides to MEDEVAC injured or sick personnel, he will notify the CEODU by radio (primary) or cellular phone (alternate). He will provide information detailing the number of personnel injured, a brief description of the incident and nature of injuries, name, rank, SSN/MOS, and unit for each injured person, location and grid coordinates, type of MEDEVAC being requested (air or ground), and where the CEODU safety vehicle will meet the ambulance, or how the landing zone will be marked (smoke, truck, air panel, etc.).

Three Search and Rescue (SAR) helicopter units are available at MCAS Yuma and are the preferred method for evacuation of injured personnel from the MTR. If evacuation by a SAR helicopter is unavailable or not necessary, several ground safety vehicles will respond to the MEDEVAC notification. Emergency route directions (via ground) from MCAS Yuma Main Base to the MTR and from the MTR to the Yuma Regional Medical Facility are provided in Exhibit F-4.

F.4.3 Containment and Control

The senior CEODU technician or EC will notify the Range Management office (which will in turn notify appropriate organizations identified in Attachment F.7) and advise team members of safe re-entry procedures.

F.4.3.1 Ordnance Transportation Vehicles

- Explosion. In the event of an explosion, personnel will immediately withdraw to a safe distance without the vehicle and evaluate the situation.
- Fire. Required equipment includes two portable fire extinguishers. In the event of a fire involving a transport vehicle with ordnance on-board, an attempt to control the fire with available extinguishers may be permissible if the fire is initially located away from the ordnance. If not, personnel will withdraw to a safe distance and advise appropriate authorities.
- Vehicle Fire. All ordnance transportation vehicles are equipped with two portable fire extinguishers. In the event of a fire involving a transport vehicle with ordnance on-board, personnel will descend from the vehicle, and if based on personnel's judgment, the fire is localized and far enough away from ordnance (i.e., indicating no likelihood of explosion), an attempt to control the fire with available extinguishers may be permissible. If the fire is too close to ordnance or spreading quickly, personnel will withdraw to a safe distance and advise the MCAS Yuma station fire dispatch. The station fire dispatch will evaluate the situation and determine if the fire department, crash fire rescue, or a SAR helicopter (for MEDEVAC purposes only) should be dispatched to the site.

F.4.3.2 Material Spill

The MTR does not treat any material or item with spill potential; all treated munitions are solids and are contained within the munitions. Further, water is not contained at the site, and decontamination activities involving liquids do not occur at the MTR.

In the event of a diesel fuel spill, the following procedures will be followed as closely as possible, depending on the situation:

- All unnecessary personnel will be removed from the area.
- All ignition sources will be removed from the affected area.
- If possible, without compromising safety, personnel may attempt to stop the leak at its source.
- Leaking fuel will be contained by the best means available for the situation. On a hard surface, absorbent materials such as vermiculite will be used to contain and clean up a spill. On soil, shovels will be used to construct a dike around the spill to contain lateral movement.
- Range Management personnel will contact support personnel if assistance is required.
- All containment and cleanup materials will be placed in drums for proper disposal. These drums will be properly labeled.

F.4.3.3 Sudden Severe Weather Conditions

OD operations are not permitted in severe weather and it is the responsibility of MCAS Environmental to ensure operations are conducted only on days when the weather is expected to be clear and non-windy all day. conditions, treatment operations will cease if possible.

In the event of unforeseen sudden weather conditions, treatment operations will cease if possible. The decision to cease treatment operations will be made by the OIC considering safety factors. The OIC is responsible for reinstating or reorganizing the treatment operation(s).

F.4.3.4 Animal, Snake, or Insect Bite

To prevent and protect against animal, snake, or insect bites, insect repellent and protective clothing (leather boots, long pants, hat, gloves) will be used as necessary.

Any personnel suspected of being bitten by a poisonous insect, snake, or animal will receive immediate medical attention. If any personnel are bitten and are known to be allergic or show signs of an allergic reaction, he or she will receive immediate medical attention.

F.4.3.5 Emergency Coordinator Measures

The emergency coordinator (or designee) will employ these measures to protect personnel and equipment at the emergency location:

1. Limit the number of personnel involved at the scene.
2. Insist on use of personnel protective clothing and equipment deemed necessary for the particular incident.
3. Evaluate the hazards and risks involved relative to life, safety, and property hazards and determine a safe operating mode.
4. Set up a command post at the scene and establish communications with Range Management.
5. Follow safe practices and procedures in handling the particular incident.
6. Coordinate with other qualified emergency response personnel, even though the personnel are at offsite locations, to ensure that safety and health are not jeopardized. Note: Although response times for additional personnel to arrive on scene may be lengthy, this does not preclude seeking the best information available while they are in route.

F.4.3.6 Follow-up Actions

Following containment and control of the emergency, the OIC will:

1. Start actions to collect, treat, and dispose of non-explosive waste or other materials, as appropriate. This will be a joint operation involving CEODU, fire, safety, and environmental personnel, in accordance with RCRA.

2. Ensure that CEODU, fire, and safety personnel investigate the cause of the emergency and provide a technical report to the Station Commander within 72 hours.
3. Ensure that proper restoration actions are started as soon as possible after appropriate explosives decontamination procedures have been completed. This will be a joint operation between Safety and Public Works Engineering personnel. All decontamination actions will be documented and the records maintained permanently at CEODU, Environmental, Safety, and real estate offices.
4. Ensure that equipment repaired or replaced as a result of the incident is re-certified, as necessary, prior to being placed.

F.5 Record Keeping and Reporting

Written operating records of all operations conducted at the MTR will be maintained in the Operations and Inspection Log. The following information must be recorded and maintained in the operating record until the facility is closed:

1. The quantity of hazardous waste received, the specific manifest document numbers (if the waste was accompanied by a manifest), the date of its treatment, and the amount/type of explosives used will be recorded on or attached to the Commitment Sheet.
2. The hazardous waste treatment location (i.e., the MTR).
3. Records and results of waste analyses and trial tests, as available.
4. Summary reports and details of all incidents that require implementing emergency procedures as specified in 40 CFR 264.56(k).
5. Records and results of inspections as required by 40 CFR 264.15(d).
6. Monitoring, testing, or analytical data, and corrective action when required.
7. Mishap Investigation Reports in the event of accident/incident.

F.6 Emergency Equipment

The following equipment is the minimum amount of emergency equipment that will be taken on all MTR operations:

- Safety vehicle - equipped with radio, emergency lights, cellular phone, and siren.
- Fire extinguishers.
- Shovels.

- Hand held radios.
- Medical kit (provided by the onsite Naval Medical Corpsman).
- Portable eyewash.
- 5-gallon container with water.

F.7 Coordination Agreements

In the event of an emergency, the agencies listed in the following subsections should be contacted for support and action.

F.7.1 Primary Action Agencies

- MCAS Yuma Range Management: (928) 269-2147 or 5193
- MCAS Yuma CEODU: (928) 269-2788
- MCAS Yuma Provost Marshal Office: (928) 269-2361
- MCAS Yuma Fire Department: (928) 269-2333 or 2285
- Yuma Regional Medical Facility: (928) 344-2000
- MCAS Yuma Environmental Department: (928) 269-3201

F.7.2 Support Agencies

- Yuma County Sheriff: (928) 783-4427
- ADEQ: (602) 771-2330
- Other agencies as deemed necessary by the emergency coordinator

F.7.3 Method of Contact

In the event of any type of emergency, the OIC, the Naval Medical Corpsman, or other CEODU personnel in their absence, will contact Range Management by radio. Range Management personnel will contact any other support personnel as necessary. All agencies with which coordination agreements are maintained are familiar with all aspects of this Contingency Plan. ADEQ will be immediately notified upon any contingency plan implementation.

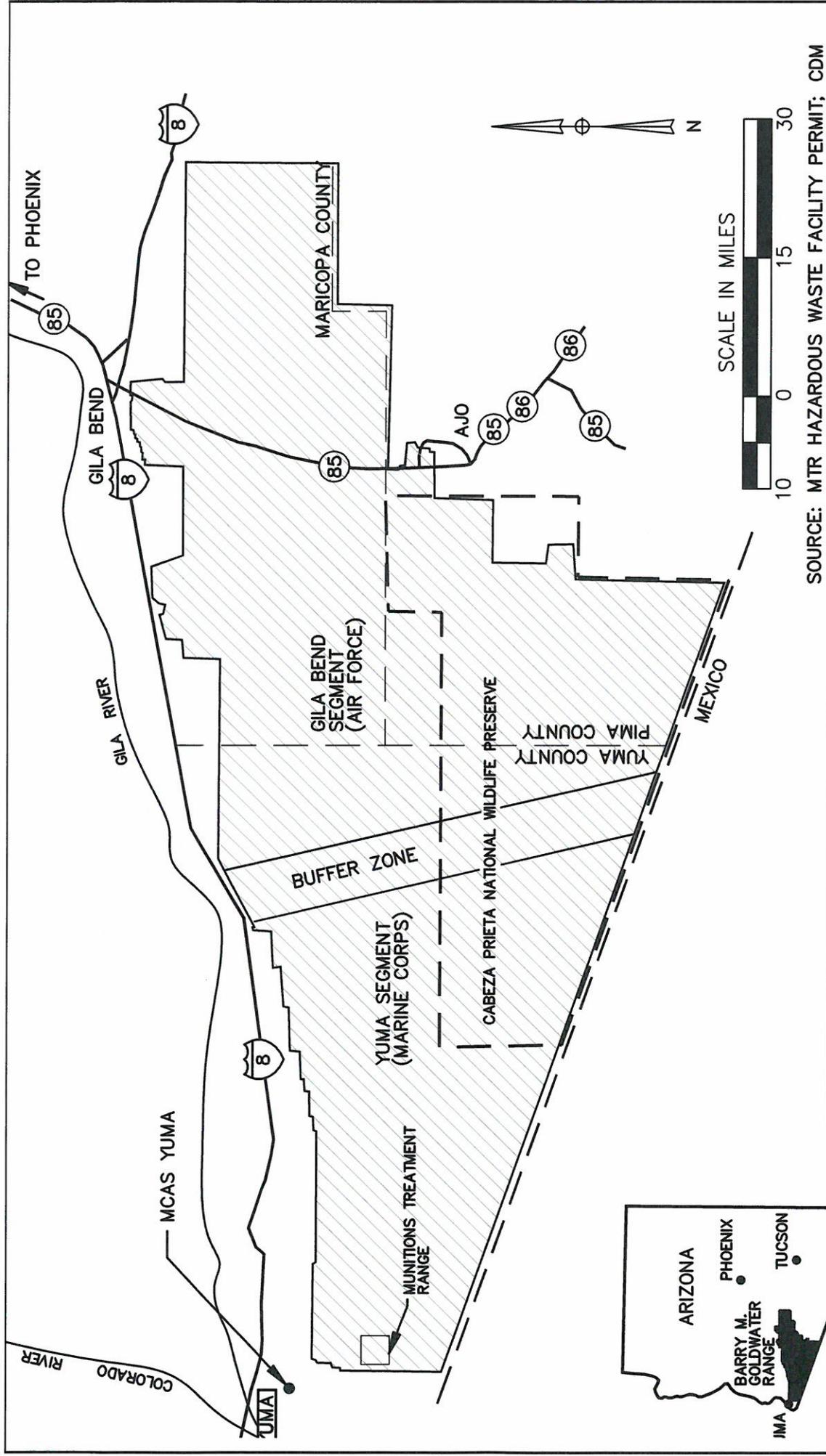
F.8 Required Reports

The emergency coordinator will notify appropriate MCAS Yuma authorities of the incident and the follow-up actions implemented. The emergency coordinator will advise the Station Commander of changes required in the contingency plan based on experience acquired during each emergency situation. Changes will be provided to each recipient of the original plan. A final report on incidents will be submitted to the Station Commander, in his capacity as the owner of and permit holder. The ADEQ will be immediately notified by calling (602) 771-2330 of any incident requiring implementation of the Contingency Plan. This notification will include:

- The name and telephone number of the reporter
- The name and address of the facility
- The time and type of incident (for example, release, fire)
- The name and quantity of material(s) involved, to the extent known
- The extent of injuries, if any
- The possible hazards to human health, or the environment, outside the facility



Exhibit F-1
Area Location Map

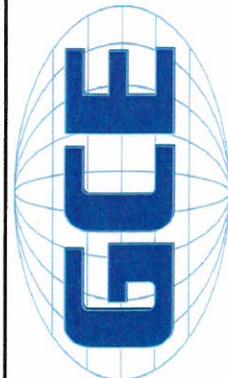


SOURCE: MTR HAZARDOUS WASTE FACILITY PERMIT; CDM

LOCATION PLAN



PREPARED BY



1851 W. 24th Street
 YUMA, ARIZONA 85364 (928) 317-1401
 Email: gce@gcepc.com

GCE PROJECT NO: 10GC007

AREA LOCATION MAP

MUNITIONS TREATMENT RANGE
 BARRY M. GOLDWATER RANGE
 MCAS YUMA, YUMA, ARIZONA

SIZE	PROJECT NO.	PROJECT MANAGER	REV
-	10GC007	STACY GUTIERREZ	0
SCALE	NTS	DATE	DWG
		DECEMBER 2013	EXHIBIT F-1



Exhibit F-2
Site Location Map

COUNTY 19th STREET

TO AVENUE 3E
TO WESTERN
RANGE BOUNDARY

225
20

AUXILLARY AIRFIELD II
(AUX II)

21

22

TOWNSHIP
10 S

29

28

27

250
275
300

PERIMETER BARBED
WIRE FENCE

32

33

34

MTR ACCESS ROAD (UNIMPROVED)

RANGE ROAD (ASPHALT)

SECURED ACCESS GATE

ACCESS ROAD WITHIN
MTR BOUNDARY

MUNITIONS
TREATMENT
RANGE

RANGE
22 W

SECURED ACCESS GATES



NOT TO SCALE

SOURCE: MTR HAZARDOUS WASTE FACILITY PERMIT; CDM

PREPARED BY



1851 W. 24th Street
YUMA, ARIZONA 85364 (928) 317-1401
Email: gce@gcepc.com

SITE LOCATION MAP

MUNITIONS TREATMENT RANGE
BARRY M. GOLDWATER RANGE
MCAS YUMA, YUMA, ARIZONA

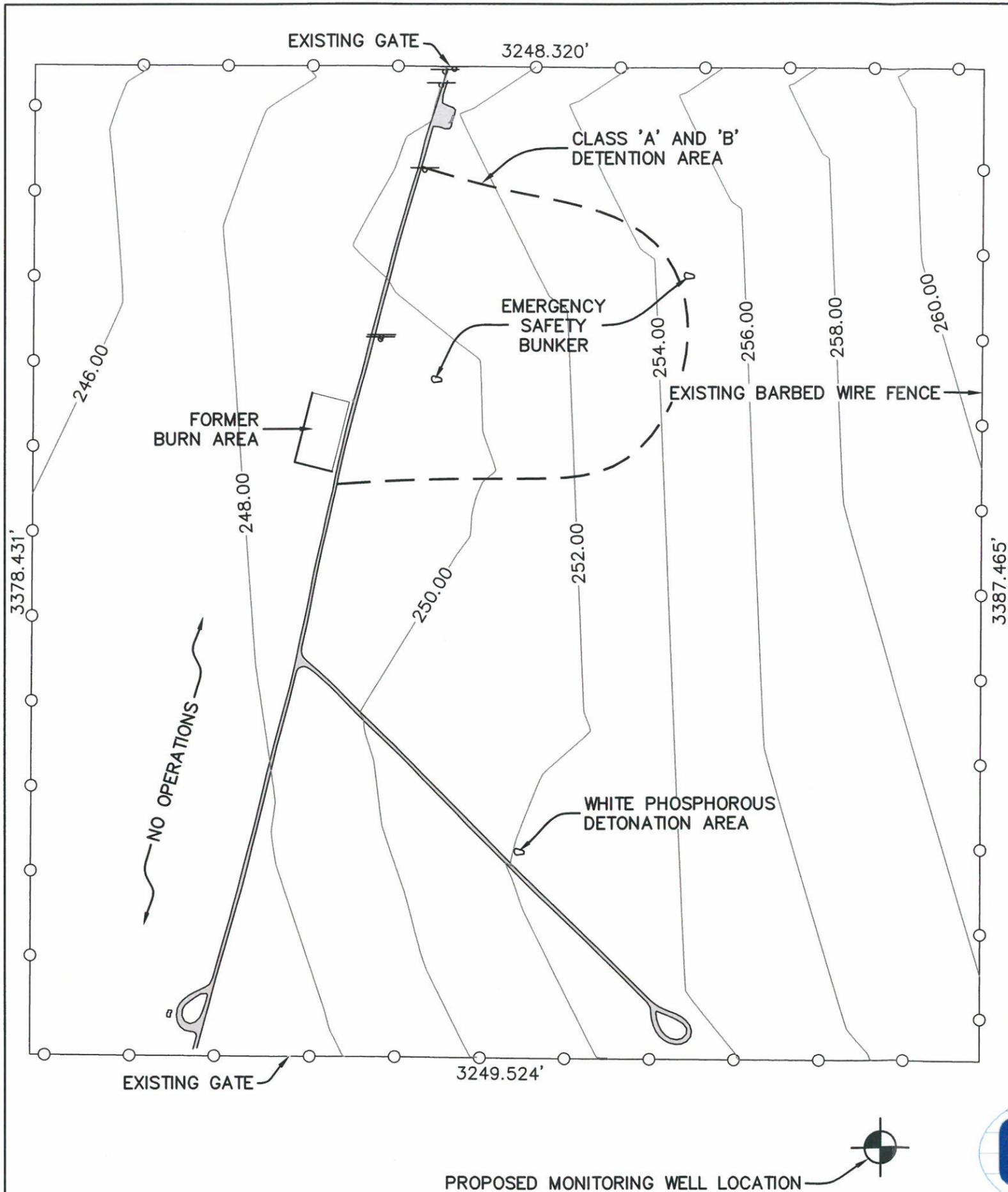
SIZE	PROJECT NO.	PROJECT MANAGER	REV
-	10GC007	STACY GUTIERREZ	0
SCALE	NTS	DATE	DECEMBER 2013
		DWG	EXHIBIT F-2

GCE PROJECT NO: 10GC007

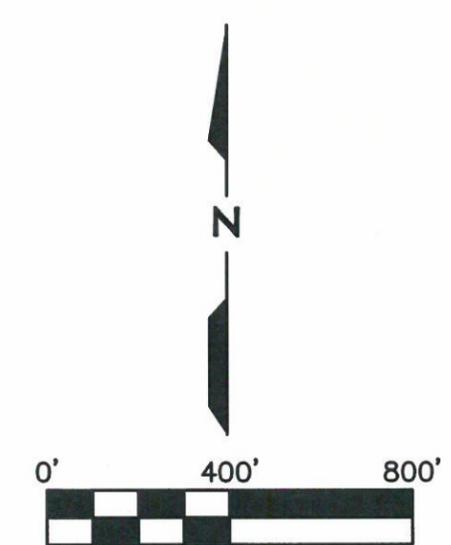


Exhibit F-3

Site Map



PROPOSED MONITORING WELL LOCATION 

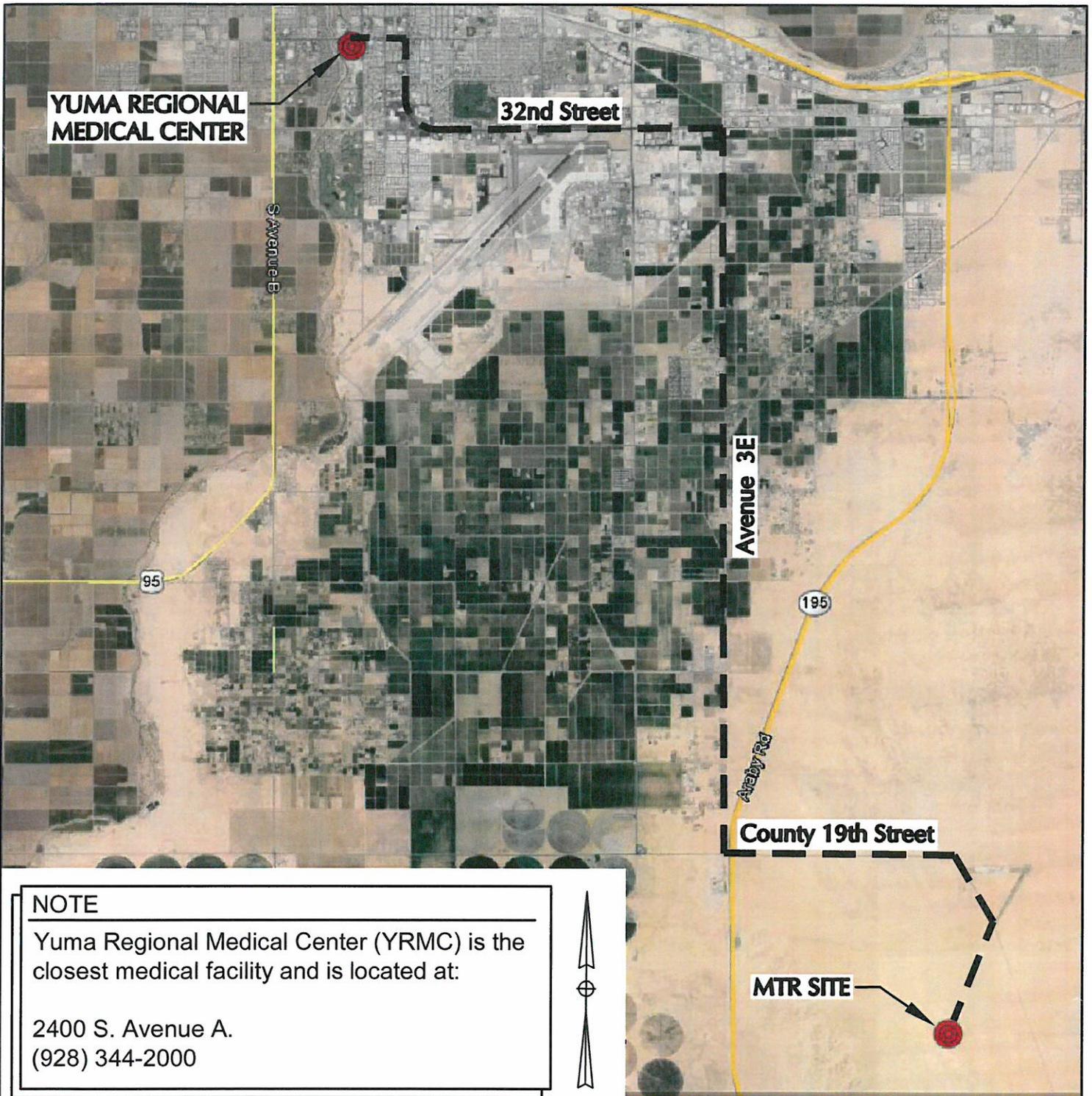


SITE MAP					
MUNITIONS TREATMENT RANGE BARRY M. GOLDWATER RANGE MCAS YUMA, YUMA, ARIZONA					
SIZE	PROJECT NO.	PROJECT MANAGER			REV
-	10GC007	STACY GUTIERREZ			0
SCALE	NTS	DATE	DECEMBER 2013	DWG	EXHIBIT F-3

THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND FOR WHICH THEY WERE SPECIFICALLY DESIGNED. ANY REUSE OF THESE PLANS OR SPECIFICATIONS FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF GCE SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO GCE.



Exhibit F-4
Hospital Route Map



**YUMA REGIONAL
MEDICAL CENTER**

32nd Street

S. Avenue B

Avenue 3E

95

195

Avaby Rd

County 19th Street

MTR SITE



NOTE

Yuma Regional Medical Center (YRMC) is the closest medical facility and is located at:

2400 S. Avenue A.
(928) 344-2000

PREPARED BY



1851 W. 24th Street
YUMA, ARIZONA 85364 (928) 317-1401
Email: gce@gcepc.com

HOSPITAL ROUTE MAP

MUNITIONS TREATMENT RANGE
BARRY M. GOLDWATER RANGE
MCAS YUMA, YUMA, ARIZONA

SIZE	PROJECT NO.	PROJECT MANAGER	REV
-	10GC007	STACY GUTIERREZ	0
SCALE	NTS	DATE	DECEMBER 2013
		DWG	EXHIBIT F-4

GCE PROJECT NO: 10GC007



Exhibit F-5

List of Emergency Coordinators



**EXHIBIT F-5
EMERGENCY COORDINATORS**

Emergency Coordinators:

- MCAS Yuma Range Compliance and Inspection Division
Director, Frederick Daniel
Hours: 0730-1630; Phone: (928) 269-3201
Hours: 1630-0730; Phone: (928) 920-3356

- MCAS Yuma Environmental
Compliance Officer, Tom Sheffield
Hours: 0730-1630; Phone: (928) 269-2936
Hours: 1630-0730; Phone: (928) 941-1420

- MCAS Yuma Environmental
Compliance Officer, Bryon Green
Hours: 0730-1630; Phone: (928) 269-3114
Hours: 1630-0730; Phone: (928) 941-7364