# Final Time Critical Removal Action Report

# Lakeview Subdivision Former Camp Butner Butner, North Carolina

**Prepared** for



U.S. Army Corps of Engineers Wilmington District and U.S. Army Corps of Engineers Huntsville Center

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# TABLE OF CONTENTS

				Page
TABLE OF CO	ONTEN'	TS		i
LIST OF FIGU	RES			iii
LIST OF TABI	LES			iv
LIST OF ACR	ONYM	S AND A	ABBREVIATIONS	v
CHAPTER 1		ODUCT Projec Reason Purpos Projec Techn	TION t Authorization ns for Removal Action se and Scope t Team ical Approach pility of Solution/Accomplishment	1-1 1-1 1-1 1-3 1-3 1-4
CHAPTER 2	2.1 2.2 2.3	Introdu Work Field H 2.3.1 2.3.2 2.3.3 2.3.4	N Performed	$\begin{array}{c} 2-1 \\ 2-1 \\ 2-3 \\ 2-3 \\ 2-3 \\ 2-3 \\ 2-4 \\ 2-5 \\ 2-6 \\ 2-6 \\ 2-6 \\ 2-6 \\ 2-6 \\ 2-7 \\ 2-7 \\ 2-7 \\ 2-7 \\ 2-7 \\ 2-7 \\ 2-8 \\ 2-9 \end{array}$
	2.4 2.5	2.4.1 2.4.2	ies Site Trailer Explosives Magazines s (Expected and Unexpected) General Intrusive Investigation Findings Recovered OE Items 2.5.3.1 M1 Practice Mine Fuze 2.5.3.2 2.36-inch Bazooka Rocket i	

# TABLE OF CONTENTS (CONTINUED)

	2.5.3.3 Mk II Hand Grenade	
	2.5.3.4 37mm HE Projectile	
	2.5.4 Scrap	
	2.6 Public Relations	
	2.7 Site Security	2-17
CHAPTER 3	DOCUMENTATION	
	3.1 Introduction	
	3.2 Daily Safety Briefing and Daily Field Reports	
	3.3 Geophysical Survey Forms	
	3.4 DD Form 1348-1	
	3.5 USAESCH Form 948 (Form 948)	
	3.6 Geophysical Data Packages	
CHAPTER 4	TESTS	
	4.1 Introduction	
CHAPTER 5	FINANCIAL BREAKDOWN	
	5.1 Introduction	
CHAPTER 6	SUMMARY	6-1
CHAPTER 7	REFERENCES	7-1

- APPENDIX A STATEMENT OF WORK
- APPENDIX B HISTORICAL FIELD DOCUMENTATION
- APPENDIX C FIELD ACTIVITY PHOTOGRAPHS
- APPENDIX D PROJECT CORRESPONDENCE
- APPENDIX E USA ENVIRONMENTAL DAILY INTRUSIVE FIELD FORMS
- APPENDIX F SCRAP MANAGEMENT AND DISPOSAL FORMS
- APPENDIX G QUALITY CONTROL AND QUALITY ASSURANCE LOGS
- APPENDIX H PARSONS DAILY FIELD REPORTS

# **LIST OF FIGURES**

No.	Title	Page
1.1	General Location Map	1-5
1.2	Site Location	
1.3	TCRA Removal Action	1-7
1.4	Lakeview Subdivision TCRA Organizational Structure	
2.1	TCRA Removal Action, (1945 Aerial Photo)	2-18
2.2	Intrusively Investigated Grid Locations	
2.3	DGM of Lakeview	2-20

# LIST OF TABLES

No.	Title	Page
2.1	Types and Amounts of UXO Items Discovered	2-6
2.2	Explosives Detonation Usage Summary Table	2-7
2.3	Grid Findings Summary Table	2-21

# LIST OF ACRONYMS AND ABBREVIATIONS

ASR	Archives Search Report
BATF	Bureau of Alcohol, Tobacco, and Firearms
bgs	below ground surface
BIP	blown in place
the Camp	Camp Butner
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CESAW	Corps of Engineers, Wilmington District
CWM	chemical warfare material
СХ	Center of Expertise
DA	Department of the Army
DDESB	Department of Defense Explosives Safety Board
DERP	Defense Environmental Restoration Program
DGM	digital geophysical mapping
DGPS	differential global positioning system
DID	data item description
DNR	Department of Natural Resources
DoD	U.S. Department of Defense
DOT	Department of Transportation
DQO	Data Quality Objective
EE/CA	Engineering Evaluation/Cost Analysis
EM	electromagnetics
EM ####	Engineer Manual
EMP	Explosive Management Plan
EOD	explosive ordnance disposal
EPP	Environmental Protection Plan
ESP	Explosives Siting Plan
ESS	Explosives Safety Submission
FAA	Federal Aviation Administration

# LIST OF ACRONYMS AND ABBREVIATIONS (CONTINUED)

FD	frequency-domain
FFP	Firm Fixed Price
ft	foot
FTP	File Transfer Protocol
FUDS	Formerly Used Defense Site
GFE	government furnished equipment
GIP	Geophysical Investigation Plan
GIS	geographic information system
GPO	Geophysical Prove-Out
GPS	global positioning system
HE	high explosive
IAW	in accordance with
ID	Identification
INPR	Inventory Project Report
mm	millimeter
MPM	most probable munition
MSA	magazine storage area
MSD	minimum separation distance
NAD83	North American Datum, 1983
NCDNR	N.C. Dept. of National Resources
NCNG	North Carolina National Guard
NCP	National Contingency Plan
NEPA	National Environmental Policy Act
NEW	net explosive weight
NEPA	National Environmental Policy Act
NGS	National Geodetic Survey
NRCS	National Resources Conservation Service
NTP	notice to proceed

# LIST OF ACRONYMS AND ABBREVIATIONS (CONTINUED)

nT	nanoTesla
NTCRAs	non-time-critical removal actions
OE	ordnance and explosives
OES	ordnance and explosives scrap
OSHA	Occupational Safety and Health Administration
Parsons	Parsons Corporation (formerly Parsons Engineering Science, Inc.)
PM	project manager
PMP	Property Management Plan
PPE	personal protective equipment
QA	quality assurance
QC	quality control
QCP	Quality Control Plan
QCS	quality control specialist
QD	quantity distance
RA	remedial action
ROE	right-of-entry
RR	range residue
the Site	Lakeview Subdivision
SM	Site Manager
SOP	Standard Operating Procedure
SOW	Scope of Work
SSFR	Site-Specific Final Reports
SSHP	Site Safety and Health Plan
SUXOS	Senior UXO Supervisor
Т&М	Time and Materials
TCRA	Time Critical Removal Action
TD	Time-Domain
TEC	Topographic Engineering Center

vii

# LIST OF ACRONYMS AND ABBREVIATIONS (CONTINUED)

- TDMD time domain metal detector
- TM Technical Manual
- TMP Technical Management Plan
- TSD Team Separation Distance
- TSSDS Tri-Services Spatial Data Standards
- USA USA Environmental, Inc.
- USACE U.S. Army Corps of Engineers
- USAESCH U.S. Army Corps of Engineers, Engineering and Support Center, Huntsville
- USFWS U.S. Fish and Wildlife Service
- USGS U.S. Geological Survey
- UXO unexploded ordnance
- UXOQCS UXO Quality Control Specialist
- UXOSO UXO Safety Officer
- WP Work Plan

# CHAPTER 1 INTRODUCTION

# **1.1 PROJECT AUTHORIZATION**

1.1.1 Parsons Corporation (Parsons) received Contract No. DACA87-00-D-0038, Delivery Order No. 0028, from the United States Army Corps of Engineers, Engineering and Support Center, Huntsville (USAESCH) to perform a Time Critical Removal Action (TCRA) on a portion of the former Camp Butner, in Butner, North Carolina (Appendix A).

1.1.2 Parsons performed a TCRA on approximately twenty-six (26) acres of land in former Camp Butner encompassing sixteen (16) contiguous acres within a residential development identified as Lakeview Subdivision and ten (10) acres comprising a one hundred (100) foot buffer around the entire site. The TCRA was conducted as a result of public concern stemming from unexploded ordnance (UXO) findings in the area during the Engineering Evaluation/Cost Analysis (EE/CA) at the former Camp Butner. All work adhered to the Defense Environmental Restoration Program (DERP) for Formerly Used Defense Sites (FUDS) and relevant U.S. Army regulations and guidance for ordnance and explosives (OE) programs.

1.1.3 As specified in the delivery order, this report is prepared to summarize the work performed during the TCRA and present an accounting of the OE recovered. This report is prepared in accordance with the Data Item Description (DID) OE-030, as required by the Scope of Work (SOW, Appendix A). The geophysical and intrusive tasks for this project, as well as Work Plan and reporting tasks, were awarded as Firm Fixed Price tasks; therefore, details regarding the costs incurred to perform the TCRA are not required in this report, per DID OE-030.

# **1.2 REASONS FOR REMOVAL ACTION**

1.2.1 The former Camp Butner, consisting of 40,384.39 acres, is located in Butner, North Carolina 15 miles northeast of Durham and adjacent to Stem, North Carolina (Figure 1.1). Camp Butner encompasses portions of Person, Durham, and Granville Counties. The boundary of the Camp is approximately defined by the old Range Road that, although contiguous, now has multiple names and County designations. Approximately 75 percent of the Camp is within Granville County. The northern and eastern boundary roughly follows County Road 1126. County Road 1728 (continuation of County Road 1126 into Person County) defines the western boundary and continues southward onto Cassam Road. The southern border roughly follows Interstate 85. A general layout map of Camp Butner is provided on Figure 1.2.

1.2.2 The Lakeview Subdivision (the Site), the area of concern for this TCRA, is located to the immediate east of the southeastern corner of the North Carolina National Guard (NCNG) property between Roberts Chapel Road and East Range Road. The Site consists of approximately 26 acres and includes several residential properties surrounded by moderate to dense forest (Figure 1.3).

1.2.3 On February 12, 1942, the War Department issued an order for the acquisition of land near the Durham, North Carolina area to be used as a training and cantonment facility during World War II. Land was acquired from private landowners primarily for use as a training facility for infantry divisions (including 78<sup>th</sup>, 89<sup>th</sup>, and 4<sup>th</sup>) and miscellaneous artillery and engineering units. In addition to infantry training, the Camp was the location of one of the Army's largest general and convalescent hospitals and the War Department's Army Redeployment Center.

1.2.4 There were at least 15 ammunition training ranges established within the Camp. Ordnance used at the Camp included: 2.36-inch rockets (practice and high explosive [HE]), rifle and hand grenades, 20 millimeter (mm) through 155mm HE projectiles, 60mm, 81mm, and 240mm mortars, and anti-personnel practice mines. No known usage or storage of Chemical Warfare Materiel (CWM) has been identified in association with the former Camp (USACE, 1993/1997a,b). An expanded discussion of the history of the Camp is presented in the Final EE/CA Work Plan (WP) (Parsons, 2001/2002a) and the Archives Search Report (ASR) (USACE, 1993/1997a,b). Additional details on the EE/CA investigation are available on the project website at *www.projecthost.com*.

1.2.5 The TCRA was identified for the Lakeview Subdivision based on public concern stemming from UXO and OE scrap (OES) findings in the area. Two UXO items and several pieces of OES were discovered since November of 2001.

1.2.6 On November 11, 2001 a 2.36-inch bazooka rocket was exposed by a resident of the Lakeview Subdivision while raking leaves near the southwest corner of the house. Butner Public Safety responded to the call and subsequently notified the Fort Bragg Explosives Ordnance Disposal (EOD) unit. The round was removed by EOD from the property and detonated nearby on a NCNG range.

1.2.7 A Public Information Meeting was held at the Butner Town Council Operations, Building C, Butner, North Carolina on April 2, 2002 to update the public on the status of the EE/CA field investigation (Parsons, 2002c). At this meeting several residents of the Lakeview Subdivision were present to request placement of EE/CA geophysical survey grids within the subdivision based on the recent UXO finding. Since the location of the subdivision does not fall within any known firing fans or training areas, no EE/CA grids were originally planned for the area. Following the request, USAESCH approved redistribution of three 100-foot by 100-foot characterization grids within the subdivision boundary. Digital geophysical mapping (DGM) was conducted on the grids on April 16, 2002. Prior to evaluation of the DGM data and subsequent intrusive investigation of the grids on August 21, 2002, Butner Public Safety received a

second ordnance call on May 27, 2002 from the same property owner where the 2.36inch bazooka rocket (UXO) was previously found. This second item, located near the northeast corner of the residence, was uncovered during installation of an above-ground swimming pool. The item was identified as an expended 2.36-inch bazooka rocket (inert) and further action was not required.

1.2.8 During intrusive investigations conducted in support of the EE/CA study, a UXO was discovered within one of the three 100-foot by 100-foot characterization grids (grid 1436) placed in the Lakeview Subdivision (see EE/CA Intrusive Daily Field Report No. 11, Appendix B). A 37mm HE projectile was recovered from a depth of three to four inches below ground surface (bgs) near the location of the initial 2.36-inch bazooka round. This UXO was determined to be unsafe to move and was blown in place (BIP). Because of the proximity to the residence (less than 40 feet), sandbag structures were used for engineering controls to contain the detonation fragments (Appendix C). One OES item, fins from either a 60mm or 81mm mortar (inert), was also recovered from the same grid. No UXO or OES was recovered from either of the remaining two EE/CA characterization grids. This TCRA project is the result of immediate public safety concerns expressed by the subdivision residents.

#### **1.3 PURPOSE AND SCOPE**

The purpose of the TCRA was to remove all UXO and inert OES from the ground surface to a depth of 6 inches bgs within the TCRA site. The scope of the TCRA included the following:

- preparation of TCRA Work Plan (submitted December 2002);
- locate, gain access, identify, recover, store, and apply final disposition of all metallic anomalies equal to the size of a 37mm projectile or larger;
- conduct post-intrusive investigation DGM; and
- preparation of a Removal Report (this document) to summarize the findings of the TCRA.

# **1.4 PROJECT TEAM**

The TCRA project team included Parsons and USA Environmental, Inc (USA). Parsons was the prime contractor to USAESCH and provided overall engineering support and coordinated all TCRA activities. Parsons' responsibilities included: providing UXO avoidance escort services for subcontractor brush cutting and land surveying activities, conducting the post-intrusive DGM, providing the UXO Safety and Quality Control personnel, interface and coordination of resident evacuations and control of project schedule and budget. USA was the UXO Subcontractor for Parsons. Services provided by USA included conducting the intrusive investigation, collection and storage of OES, and detonation of UXO items. Figure 1.4 is a project team chart showing key personnel and project team details.

# **1.5 TECHNICAL APPROACH**

1.5.1 The approved TCRA WP included the plans listed below as required by DID OE-005-02.

- Technical Management Plan
- Explosives Management Plan
- Explosives Siting Plan
- Geophysical Investigation Plan
- Site Safety and Health Plan
- Location Surveys and Mapping Plan
- Work, Data, and Cost Management Plan
- Property Management Plan
- Quality Control Plan
- Environmental Protection Plan

1.5.2 Each of these plans discussed in detail the aims and objectives; technical procedures; and facilities and equipment needed for implementation of various work elements of the removal action. Detailed field operating procedures for surveys, UXO identification, removal, transport and storage, and general operating procedures for OE/UXO areas were presented in the Geophysical Investigation Plan, Explosives Management and Explosive Siting Plans, and Site Safety & Health Plan.

# **1.6 PROBABILITY OF SOLUTION/ACCOMPLISHMENT**

The anomalies identified at the TCRA Site were excavated "real-time" to a depth of 6 inches bgs using audible signal (non-recording) Schonstedt's and White's model instruments. Therefore, geophysical identification of anomalies and intrusive investigation were coincident. Since a 100-foot by 100-foot contiguous grid network (each with unique identifier) was established by a State of North Carolina certified professional land surveyor, global positioning system (GPS) was not used during the intrusive phase of the TCRA. The post-intrusive DGM used a combination of GPS and known pre-surveyed grid corner locations for orientation. Potential anomaly targets (in excess of 6 inches bgs) were not selected by Parsons from the DGM survey data, in accordance with the SOW. This data was processed and provided to USAESCH for further evaluation. All field activities were implemented using the procedures presented in the TCRA WP. This TCRA provided OE clearance at the Site with a high probability for successful removal of OE/UXO items within 6 inches bgs and thus removing the immediate threat to public safety.

# Insert Figure 1.1 – General Location Map

# Insert Figure 1.2 - Camp Butner Map - with Site TCRA identified

# Insert Figure 1.3 – Lakeview Subdivision TCRA Site Map

# Insert Figure 1.4 – Organizational Structure

# CHAPTER 2 DISCUSSION

# 2.1 INTRODUCTION

The first phase of the TCRA began on November 14, 2002 with arrival of Parson's personnel onsite following limited Notice to Proceed (NTP) granted by USAESCH to commence brush cut and land survey activity (Appendix D). Commencement of the intrusive investigation in support of the TCRA began in January 2003 following submittal and subsequent approval of the Final TCRA WP by the USAESCH (Parsons, December 2002b). The Explosives Safety Submission (ESS) was prepared by USAESCH and approved by the Department of Defense Explosives Safety Board (DDESB) prior to commencement of intrusive work at the site. DGM activities were conducted after completion of intrusive activities between February and March 2003 with final site demobilization occurring on March 28, 2003.

# 2.2 WORK PERFORMED

221 The TCRA field effort commenced on November 14, 2002 with the land survey of the Site's perimeter boundary and significant Site features (houses, roads, other permanent structures). Figure 2.1 depicts the Lakeview Subdivision and Site boundary details with 1945 aerial backdrop prior to 2002 land survey. Parsons' subcontracted the land survey activities to Newcomb Land Surveyors, Inc., a professional land survey company registered in the State of North Carolina. Parsons provided direct UXO avoidance support and oversight of the land survey effort, conducted in accordance with DID OE-005-07 and the approved project WP (Parsons, December 2002b). Newcomb Land Surveyors were provided a daily site safety briefing conducted by Parsons' UXO Safety Officer (UXOSO), with input from the Parsons' Site Manager (SM) and onsite USAESCH UXO Safety Specialist, as appropriate. The perimeter of the entire 26-acre site was marked every 100 feet using blue flags and stakes. On December 9, 2002, Newcomb Land Surveyors began installation of a contiguous grid network (comprised of 100-foot by 100-foot grids) to facilitate the intrusive investigation and DGM survey activities (Figure 2.2). All twenty six (26) acres of the Site were incorporated into approximately 131 surveyed grids. The land survey of the grid network was completed on December 17, 2002. Parsons provided UXO avoidance support throughout all land survey activities.

2.2.2 Parsons subcontracted brush cut and debris removal activities to A-1 Grounds, Inc., a local landscape firm in Durham, North Carolina. Parsons provided direct UXO avoidance support and oversight of the brush removal effort, conducted in

accordance with the approved project WP (Parsons, December 2002b). Brush cut activities commenced on November 21, 2002, one week after land survey activities were initiated. By overlapping brush cut and land survey tasks, Parsons was able to compress the project schedule and minimize the inconvenience to the subdivision residents during the holidays. A-1 Grounds personnel were provided a daily site safety briefing conducted by Parsons' UXOSO, with input from the Parsons' SM and onsite USAESCH UXO Safety Specialist, as appropriate. The residents of Lakeview Subdivision were individually contacted by Parsons prior to commencement of brush clearance activities for consent of all necessary brush removal. Several residents marked trees and vegetation that they specifically did not want removed or damaged. Special consideration and attention was given to the marked vegetation to minimize damage vet maintain the integrity of the TCRA activities. Restoration of one of the driveways (due to ruts caused by heavy equipment) was conducted to include addition and spreading of several loads of new gravel.

2.2.3 During the conduct of the brush clearance activity, a major ice storm moved through the area (December 4-7, 2002). Substantial damage occurred to many trees and vegetation within the TCRA area. Many full trees were felled, large branches broken, and work was impeded until the area was again safe. As a result of the storm, the areas previously cleared in preparation for intrusive activity and subsequent DGM had to be recleared and the volume of brush debris far exceeded what was anticipated. The budget for the brush cut task was insufficient to accommodate the increased effort; however, surplus funds remaining in another non-Firm Fixed Price (FFP) task were utilized to complete the task. Aside from removal of some southern perimeter consolidation debris piles, A-1 Grounds completed brush removal activities on December 23, 2002. A total of 17.86 of the 26 Site acres were cleared during the brush removal task. The balance of the Site acreage was comprised of pastureland, manicured lawns, improved areas, or otherwise did not require any significant brush clearance.

2.2.4The project field activities were temporarily halted during the Christmas holidays to avoid inconveniencing the local residents. Intrusive operations were initiated on January 6, 2003. Parsons subcontracted USA to conduct the intrusive removal action and provided direct oversight and quality control (QC) of the intrusive effort, conducted in accordance with the approved project WP (Parsons, December 2002b). USA personnel were provided a daily site safety briefing conducted by Parsons' UXOSO, with input from the Parsons' SM and onsite USAESCH UXO Safety Specialist, as appropriate. During intrusive activities, Parsons coordinated evacuation/compensation of all residences within the minimum separation distance (MSD) and secured the perimeter of the MSD by employing off-duty police officers from the Town of Butner. In addition, traffic on Roberts Chapel Road was controlled and all digging activities ceased during times when traffic was allowed to pass within the MSD. The intrusive investigation commenced on January 7, 2003 and was completed on February 3, 2003. The findings are discussed in later sections of this chapter.

2.2.5 The Site was cleared of ordnance (consistent in size to a 37mm projectile or larger per the SOW) to a depth of 6 inches bgs using "mag and dig" investigation techniques. Each day, Parsons evacuated all residents within the MSD prior to the commencement of intrusive activities. USA UXO personnel lined up to form individual search lanes approximately 3 to 5 feet wide to systematically cover the grids from one base line to the opposing base line. The UXO Teams utilized Schonstedt and White's magnetometers to locate suspect metallic items along the search lanes. All located metallic items within 6 inches bgs were removed from the grid, UXO and OES items were documented, and UXO items that could not be moved were appropriately destroyed in place. Subsurface excavation of buried items was accomplished manually with shovels and trowels.

2.2.6 Upon completion of the "mag and dig" operation, DGM teams were mobilized to the Site on February 10, 2003. The DGM teams used EM-61 survey instruments to geophysically map the TCRA Site with the exception of permanent structures, water bodies, or other adverse features that inhibited the survey (Figure 2.3). The EM-61 was selected to perform the geophysical survey based on the EE/CA Geophysical Prove-Out (Parsons 2002a). The DGM activities were completed on March 4, 2003. Following processing and evaluation of the data, some data gaps were identified and additional DGM was conducted (using an EM-61 Hand Held instrument) from March 24 through March 28, 2003. The newly collected data was melded with the existing data. In accordance with the SOW, hardcopy maps were sent to USAESCH for review with both the raw and processed data submitted via CD.

# 2.3 FIELD PROCEDURES

#### 2.3.1 Intrusive Removal Action

2.3.1.1 Intrusive work began on January 6, 2003 following completion of the brush clearance and land survey tasks. Search operations consisted of those activities required to thoroughly investigate each operating grid to locate and/or identify both surface and subsurface UXO present at a depth of 6 inches bgs or less. In this manner the immediate threat to public safety was removed and the shallow metallic ground clutter associated with residential construction habitation was significantly reduced in advance of the DGM survey.

2.3.1.2 UXO teams were composed of a UXO Technician III and up to five UXO Technician IIs. UXO teams performed all search operations and operated under the direct supervision of USA's Senior UXO Supervisor (SUXOS) and in accordance with the approved WP (Parsons, December 2002b). A Parsons UXOSO monitored the safety of the UXO Teams. The following subparagraphs describe the equipment and procedures the individual UXO Teams used to search the individual grids and to excavate subsurface anomalies.

# 2.3.1.1 Equipment

The equipment requirements for this activity included:

- Schonstedt (Model GA-52Cx) and White's (Eagle Spectrum XLT) magnetometers.
- Pre-marked baselines were used to subdivide the land-surveyed grid into individual search lanes;
- Rope reels containing nylon rope/twine (used to mark individual search lanes);
- Assorted colored pin flags were used to mark UXO items;
- Miscellaneous common hand tools (i.e. shovels, garden trowels etc.);
- Forms and logbooks were used to record activities and UXO encountered; and
- OES and non-OES collection containers.

# 2.3.1.1.1 Schonstedt GA-52CX Magnetometer (Schonstedt)

The Schonstedt was used during the intrusive investigation for "mag and dig" operations to a depth of 6 inches bgs, as well as QC surveys. It is a handheld magnetometer that detects subsurface ferrous metal items. The system utilizes fluxgate sensors organized in a gradiometer format. The two fluxgate sensors are aligned and mounted a fixed distance apart to detect changes in the earth's ambient magnetic field caused by ferrous metal. The Schonstedt responds with an audio output when either of the two sensors is exposed to a disturbance of the earth's ambient field associated with a ferrous target or the presence of a permanent field associated with a ferrous target.

# 2.3.1.1.2 White's Eagle Spectrum

The White's 6000 Pro XLT was also used at the site. The primary advantage of the White's is that it can detect non-ferrous metallic objects as well as ferrous. It operates by transmitting a single frequency of 6.6 kHz through a 9.5 inch coil. This same frequency is both transmitted and received simultaneously. By "bucking out" or accounting for the transmitted signal, changes in the received signal can be an indicator of buried metallic items. The White's is operated by first accounting for the primary signal by nulling the system with the coils held at waist level to remove the effects of the soils. Subsequently, a measurement is made with the coils at operating height, several inches above the ground. Once the instrument has been compensated for ground response the instrument is switched to operational mode and swept back and forth across the surface. The presence of metallic items is indicated by audio tones and visual icons.

# 2.3.1.2 Analog Magnetometer Searches

2.3.1.2.1 Magnetometer sweeps (i.e., "mag and dig") were used for clearance of all metallic anomalies (equal to or larger than a 37mm projectile), as identified in the SOW. The clearance depth extended to 6 inches bgs. Anomalies for which a metallic object

was not encountered within 6 inches of the ground surface were not further investigated as part of this TCRA. DGM surveys of the Site were conducted at the conclusion of the intrusive removal action for identification of potential residual UXO remaining at depths greater than 6 inches bgs.

2.3.1.2.2 The UXO Technician III directed personnel to establish individual search lanes approximately 3 to 5 feet wide and to begin searching each lane using either the Schonstedt, White's, or both instruments. Initially, the Schonstedt was exclusively used but was augmented by the White's due to the significant presence of magnetic rock. UXO Technicians started at one end of each lane and moved forward toward the opposing base line. During the forward movement the technician moved the magnetometer back and forth from one side of the lane to the other. Both forward movement and the swing of the magnetometer was performed at a pace, which ensured the entire lane was searched and that the instrument was able to appropriately respond to anomalies. Whenever a metallic surface object was encountered the technician halted and investigated the anomaly real-time. Throughout this operation the UXO Technician III closely monitored individual performance to ensure these procedures were being performed with due diligence and attention to detail. The maximum depth for subsurface removal was six inches bgs for this TCRA project.

#### **2.3.1.3 Excavation of Anomalies**

2.3.1.3.1 The intrusive investigation teams excavated all metallic anomalies identified during the analog magnetometer searches to the 6-inch bgs removal depth. For UXO items, description, location, weight, depth, orientation and other pertinent data was recorded (see Appendix E, USA Daily Intrusive Field Forms). For OES items, description (if possible), depth, approximate size and weight was recorded. Excavation of anomalies utilized a trowel and shovel for all targets. Non-UXO items recovered were removed to the staging/processing area. Suspect UXO items were destroyed in-place following construction of sandbag enclosures to mitigate fragmentation debris (see Appendix C Photographs).

2.3.1.3.2 The most probable munition (MPM), based on items encountered during the EE/CA, was a 37mm Mk II HE projectile. An exclusion zone equivalent to the Minimum Separation Distance (MSD) for unintentional detonations (980 feet) was observed around all excavations within the TCRA site (to include Butner Lake) during intrusive operations. The team separation distance (TSD) between UXO teams was 200 feet. The MSD for intentional detonations was reevaluated based on the actual UXO item recovered but was at no time less than 980 feet for this project. No munitions with a larger MSD than that for which the MPM was determined for this project (37mm HE projectile) were discovered.

2.3.1.3.3 The MSD was carefully monitored to ensure non-UXO/nonessential personnel were kept out of the work area. The moderate use of Roberts Chapel Road for local traffic mildly impacted the intrusive team's ability to perform intrusive operations.

During the EE/CA, temporary closure of this road was coordinated with local officials. However, as a result of complaints from local residents, the road was not closed during the TCRA. Alternatively, off-duty police officers from the Town of Butner were hired to control traffic flow by temporarily halting traffic for short periods and then allowing motorists to pass while the intrusive teams waited for the traffic to clear.

#### 2.3.1.4 Reacquisition of Anomalies

The pre-DGM intrusive effort utilized real-time "mag and dig" techniques, thus reacquisition of anomalies was not required. Identification/selection of subsurface anomalies (greater than 6 inches bgs) from the DGM data was not part of Parsons' SOW for this project. This information was provided to USAESCH for evaluation.

#### 2.3.2 UXO Disposal Procedures

#### 2.3.2.1 Demolition

All UXO and OE-related material containing explosives were blown in place by detonation in accordance with the approved WP procedures (Parsons, December 2002b). Before each demolition operation the local police department, fire department, hospital, Federal Aviation Administration (FAA), and other pertinent agencies were notified of the operation. The MSD was secured to include temporary closure of roads. Appendix C includes photographs of various activities involved in demolition operations.

#### **2.3.2.2 Demolition Materials**

2.3.2.2.1 During demolition of the six UXO items identified during the TCRA (Table 2.1), different explosives were used based on the most effective way to destroy the items. The explosives and related demolition materials used included the following:

- Detonation Cord (80 Grain);
- Jet Perforators (RDX); and
- Electric Detonators (blasting caps).

2.3.2.2.2 An explosives usage summary for the TCRA effort is provided in Table 2.2.

UXO Item	Grid Location/Property Owner	Date	Status
1. Blasting Cap, Electric	375/Moore	1/13/03	BIP
2. Mk II Hand Grenade	349/Willette	1/20/03	BIP
3. 37mm HE Projectile	349/Willette	1/20/03	BIP
4. Mine Fuze, M1	334/Hill	1/22/03	BIP
5. 2.36-inch Rocket Motor w/Fuze	335/Hill	1/22/03	BIP
6. 2.36-inch HE Warhead, unfuzed	358/Cash	1/29/03	BIP

Table 2.1Types and Amount of UXO Items Discovered

 Table 2.2

 Explosives Usage (Demolition Operation) Summary

Explosive Type/Materials		Total	Item 1	Item 2 & 3	Item 4	Item 5	Item 6
	Unit	10141	1/13/03	1/20/03	1/23/03	1/23/03	1/29/03
Electric Blasting Cap	Each	10	2	2	2	2	2
Primer (Detonation) Cord, 80 Grain	Feet	84	1	65	6	6	6
RDX Perforators	Each	5	0	2	1	1	1

# 2.3.2.3 Scrap Management

2.3.2.3.1 Temporary scrap metal and non-hazardous OE-related scrap collection points were established during the intrusive operation for each grid. The collection points were inspected and brought to a stockpile for a second inspection by UXO technicians to confirm that no explosives or other hazardous materials existed in the scrap. Segregation of OE scrap was not performed due to the relatively small quantity collected (approximately 97 pounds). Both OES and Non-OES, as well as demolition debris, was shipped offsite to Fact International, Inc. in Los Angeles, California for smelting (see Appendix F).

2.3.2.3.2 Management of potentially hazardous OE scrap was performed by storing the items in secured 55-gallon drums (kept in the magazine storage area), conducting daily inspections, and subsequent shipment to the appropriate disposal facility. Scrap disposal records are provided in Appendix F.

# 2.3.3 DGM Surveys

After the initial intrusive operation ("mag and dig") by the UXO Teams, DGM using the EM-61 was conducted over 100% of each grid with the exception of permanent structures, water bodies, or otherwise unsurveyable terrain. The geophysical data collected by Parsons field teams were processed but not interpreted by Parsons' geophysicists (as per the SOW). Interpretation was left to the USAESCH geophysicists. No dig sheets were created from the data collected. A color map showing the DGM results was created and is presented as Figure 2.3.

# 2.3.3.1 Equipment

# 2.3.3.1.1 Geonics EM-61 Time Domain Metal Detector

The EM-61 was used by Parsons to digitally map the Site for identification (at a later date) of potential buried ordnance (at depths greater than 6 inches bgs). The Geonics EM61 time domain metal detector was used for DGM at the Site. The EM61 consists of two 1.0x1.0 m rectangular air coils mounted on top of each other separated by 28 cm. The system operates by pulsing a current through the lower coil. When the current is rapidly turned off, small electrical currents are induced in the subsurface. These currents decay with time depending on subsurface conditions. If there are metallic objects in the subsurface then the decay will be much slower that in typical soil. The change in the magnetic field created by the electric currents are measured in both the top and bottom coils 366 µsec after the current is turned off in the coil and recorded in a data logger attached to the system. In normal conditions the current in soils will have decayed to near zero; however the current in metallic items will remain and the magnetic field measured by the coils.

# 2.3.3.1.2 Geonics EM-61 Time Domain Hand Held Metal Detector

The EM61 Handheld detector was used in areas that were inaccessible to the standard EM61. The EM61 handheld uses the same principle as the EM61, but consists of two 8 in. diameter circular coils mounted in a horizontal plane. The combined field for each coil is measured at two different times after current is turned off in the loops (200 and 650  $\mu$ sec) The fields generated by the handheld are smaller due to the smaller coil size and the signal to noise is generally lower. Therefore only the early time gate data is of any use.

# 2.3.3.2 EM-61 Procedures

2.3.3.1.1 The EM-61 was used by Parsons to digitally map the Site for identification (at a later date) of potential buried ordnance (at depths greater than 6 inches bgs). During the QC surveys and all through the final stages of the removal action, the EM-61 was used in automatic mode, with data recorded at a nominal rate of 10 hz. In order to meet Corp requirements, the instrument was operated in GPS mode, so that a time stamp was recorded with every measurement. This slowed down the data acquisition rate somewhat; however, the data density still met USACE specifications. The data was collected along lines oriented in either North-South or East-West

orientation, depending on the features within the grid to be surveyed. The sensor was positioned using fiducial markers. The grid corners, surveyed at 100x100 ft. centers over the entire site, were used to set up tapes along the sides of the grid in the same orientation of the data acquisition lines. Tapes were then stretched across the grid, nominally at 50-ft intervals. In some cases features in the grid such as buildings would require that the tapes be moved to different locations, and this was noted in the field notes. Before and after each grid was acquired, a test was run over a line within the grid with a test object at a specified location. This line was acquired in two directions so that the instrument latency could be determined. In addition, static tests were conducted with and without a test item at the same location twice a day to ensure the equipment was operating properly.

2.3.3.1.2 The EM-61 data were downloaded to a computer at the site office. The data was input in *DAT61W* from Geonics. Based on information in the field notes, such as the location of fiducial lines and line orientation, the geometry information for the data The data was then exported in Geosoft ASCII XYZ format in local was input. coordinates. Then the data was imported into Geosoft's Oasis Montaj for further The data was corrected for instrument latency using the DOD quality processing. assurance (OA)/OC software add-on to Geosoft Oasis. However, some data was collected without the time stamp, and in those cases the lag correction was used. The data was then translated from local to state plane coordinates using the coordinates provided by surveyors for the grid corners. If present, obvious noise spikes were deleted. Corrections were then made to the data to account for instrument drift using the UXO-Detect instrument drift correction. In some areas, around cultural features, this was difficult due to the high amplitudes in the data, so some grid to grid variation remains in the data. Following editing, the data were gridded and plotted on a color level map for identification and selection of anomalies. Dig lists of anomalies were not produced under the SOW for this project.

2.3.3.1.3 The color gridded maps were checked for consistency with the field notes and surveyed cultural features as well as data quality. Gaps were identified in the data that generally corresponded to field conditions that prevented the use of the EM-61. These gaps were identified and provided to a technician in the field. These gaps were then surveyed (if possible) using the Geonics EM-61 handheld. The coordinates for the handheld system were determined by laying out tapes in a similar manner to the standard EM-61 survey. If that was not possible, a mini-grid was positioned by pulling tapes from the existing grid corners. This information was then used to do a coordinate transform using *Oasis Montaj* utilities. The data was then gridded and displayed in a similar manner to the standard EM-61 data and displayed on the map to ensure that DGM covered as much of the site as possible.

#### 2.3.4 Quality Control and Quality Assurance Surveys

2.3.4.1 As a QC measure on the "mag and dig" and DGM process, at least 10% of each grid was searched with a handheld magnetometer by the UXO Quality Control

Specialist (QCS). If the grid did not pass the QC process, additional "mag and dig" was conducted and the grid rechecked. Appendix G includes a summary of the QC logs.

2.3.4.2 The USAESCH on-site representative performed QA checks of all grids that passed the Parsons UXOQCS QC check. Form 948 was used to document pass or failure of grids inspected by the USAESCH. The forms are provided in Appendix G. Grids that failed QA check required additional "mag and dig" and were rechecked. Grids that passed government QA meant no additional UXO clearance work (as part of the 6 inch clearance operation) was required for those grids.

# 2.4 FACILITIES

#### 2.4.1 Site Trailer

An office trailer was mobilized adjacent to the NCNG property during the EE/CA investigation and was maintained throughout the TCRA. The trailer was outfitted with electrical and phone service. Portable toilet facilities were also sited at the location, approximately 3 miles from the TCRA Site. The trailer served as a daily meeting place for all working personnel and provided storage space for their equipment. The site trailer also provided important office conveniences for the management team in the day-to-day reporting and documentation requirements.

# 2.4.2 Explosive Magazines

Two explosive storage magazines (Photo 2.1) were brought on site to store hazardous materials and explosive components for the demolition operations. The magazines complied with all DoD regulations and thorough inventory checks were documented to ensure accountability for all explosives.

# 2.5 **RESULTS (EXPECTED AND UNEXPECTED)**

# 2.5.1 General

2.5.1.1 The intrusive removal action was conducted to a depth of 6 inches bgs. The objective of this action was to remove any immediate safety threat to the property owners and at the same time remove the shallow "clutter" in advance of the DGM survey. Six UXO items were recovered and detonated during the TCRA. In addition, 80 OES items were identified from in excess of 8,224 contacts (Table 2.3). The 3 UXO items previously reported in the subdivision (resulting in the TCRA) were all located in the northwest quadrant of the project Site. These items included two 2.36-inch bazooka rockets (found by the property owner) and a 37mm HE projectile (found during the EE/CA investigation). As expected, the data from the TCRA intrusive investigation confirmed a significantly higher anomaly concentration area in the northwest quadrant of the Site (Figure 2.2). The variability of the type of OES and UXO in this large concentration area is not seen throughout the rest of the TCRA Site. The subsequent DGM survey (Figure 2.3) further supports the trend indicating the presence of subsurface metallic items remaining below the 6 inch bgs removal depth.



Photo 2.1. Explosive Storage Magazines

2.5.1.2 Five of the 6 UXO items identified during the TCRA were located in northwest quadrant of the project Site. Two smaller areas were identified as containing OES and the remaining UXO item (an electric blasting cap). An area in the southeast corner of the Site (Grids 374-376, 362, and 384, Figure 2.2) contained exclusively inert M1 Mine parts and the only electric blasting cap (UXO) found on the Site. DGM indicates the potential for additional subsurface metallic items in this area (Figure 2.3). The other small area containing OES was located in the northeastern extreme of the project area. Unlike the other two areas, four grids (411, 421, 427, and 428) each contained no more than two OES items all of which were unidentifiable OES fragments. DGM data suggest additional items may be present. The balance of the grids within the project site did not contain any OES or UXO at all.

# 2.5.2 Intrusive Investigation Findings

2.5.2.1 A total of six UXO items were recovered from 5 different grids during the TCRA. Five of the six items were located in the western third of the project site and within 250 feet of the subdivision entrance road (known to have existed during the Camp's operation). In addition, the distribution of OES is generally concentrated in the same area (Figure 2.2). The sixth UXO item was located in a grid (grid 375) located adjacent to the cul-de-sac of the subdivision. No UXO or OES presence was confirmed in the southwestern portion of the Site.

2.5.2.2 A total of 6 UXO items were recovered and destroyed including a 37mm HE projectile, two 2.36-inch bazooka rockets, Mk II hand grenade, an M1 mine fuze, and an electric blasting cap (Table 2.1). Approximately 97 pounds of OES and non-OES scrap were shipped offsite for disposal to a smelter in California. The diversity of UXO and OES types suggests the site was used for disposal of surplus materials as opposed to a firing range. Table 2.3 lists the types of ordnance and total amount found per component.

#### 2.5.3 Recovered OE Items

#### 2.5.3.1 M1 Practice Mine Fuze

2.5.3.1.1 The M1 Practice Mines are designed for training of effect against tanks and are laid to perform a definite tactical mission. The body of the mine is similar to that of an HE mine, differing only in that it is empty (no bursting charge). Also, it is provided with a cast iron former as a support to prevent crushing of the body. It has no filling hole. Five, equally spaced, 1-inch diameter holes may be found in the side of the mine body. The diameter of the mine is 8.03 inches and is painted blue with white stenciling. The fuze has a red striker head.

2.5.3.1.2 The fuze (pictured below) is similar to the M1 HE fuze except that a .32cal blank cartridge replaces the detonator and a smoke-puff charge of black powder and red phosphorous replaces the booster. This mine can be used more than once by the provision of new fuzes and, when necessary, the replacement of bent or broken spiders.



Photo 2.2. M1 Practice Mine Fuze, Grid 334, January 22, 2003

2-12 I:\HUNT-CONUS\PROJECTS\BUTNER\TCRA\TCRA REPORT\FINAL\CHAPT-2.DOC CONTRACT NO. DACA87-00-D0038 TASK ORDER 0028

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#### 2.5.3.2 2.36-inch Bazooka Rocket

2.5.3.2.1 The 2.36-inch M 6A1 antitank rocket is 21.6 inches long and has an average weight of 3.5 pounds. The components of the 2.36-inch M 6A1 consist of a hollow ogive crimped onto the body, a body union fitting into the base of the body with internal threads to receive the motor, the tail assembly consisting of nozzle and six fins, and a fuze located in the forward end of the motor tube. The bursting charge in this round consists of approximately 0.5 pounds of pentolite. Technical information concerning the 2.36-inch rocket states that high angles of impact with the ground will not ordinarily cause detonation. A low angle impact with the ground has a blast effect similar to that of a 75mm HE round.

2.5.3.2.2 The parts of the fuze are a spring restrained striker; a detonator of priming mixture, lead azide and tetryl; and a booster of tetryl. The striker is held in the unarmed position prior to loading into the launcher, by a safety pin which engages an annular groove in the striker as it passes through opposed holes in the fuze body. The safety pin clips to the stabilizer tube and must be removed prior to firing of the rocket. The fin assembly consists of three parts: the nozzle, which is a venturi tube; the trap, which is a spider ring closing the nozzle opening above the venturi and holding the propellant powder in place; and finally, the fins themselves. The fins are six metal blades, each blade is notched at a point opposite the lower extremity of the nozzle. These notches are unpainted and one of them serves as a contact for the electric safety match, one ignition wire being soldered to it. The other contact is made by means of an insulated (with a fiber strip) brass contact ring encircling the ogive. A brass connector strip runs from the end of the body to this ring. To the end of the connector strip is soldered the other ignition wire from the electric safety match. This ignition wire is taped to the stabilizer tube midway between fins and body.

2.5.3.2.3 Photos 2.3 and 2.4 show a 2.36-inch rocket motor and warhead, respectively recovered during the intrusive investigation of the removal action.



Photo 2.3. 2.36-inch Bazooka Rocket, Motor w/Fuze, Grid 335, January 22, 2003



Photo 2.4. 2.36-inch Rocket, Warhead, Unfuzed, Grid 358, January 29, 2003

2-14 I:\hunt-conus\projects\butner\tcra\tcra report\final\chapt-2.doc contract no. daca87-00-d0038 task order 0028

#### 2.5.3.3 Mk II Hand Grenade

2.5.3.3.1 The Mk II is a fragmentation, antipersonnel, delay-detonating hand grenade which is commonly referred to a "pineapple" because of its shape and external serration. The grenade is painted olive drab with a yellow band around the top of the fuze well. The Mk II grenade weighs approximately 590 grams, is 114mm in length, and 57mm in width at its largest diameter. The explosive filler consists of 56.7 grams of flaked TNT.

2.5.3.3.2 Photo 2.5 shows a Mk II Hand Grenade recovered during the intrusive investigation of the removal action.



Photo 2.5. Mk II Hand Grenade, Grid 349, January 20, 2003

# 2.5.3.4 37mm HE Projectile

2.5.3.4.1 The 37mm HE shell is used for tank and anti-tank weapons against targets where the explosive feature of the shell will prove more destructive than armor-piercing shot. The round is distinguished by its long, tapered nose and is shipped complete with fuze attached. The 37mm HE shell is painted olive-drab with yellow stenciling and is approximately 150mm in length. The shell weighs in excess of 730 grams and uses aapproximately 39 grams of TNT filler.

2.5.3.4.2 Photo 2.6 shows a 37mm projectile recovered during the intrusive investigation.



Photo 2.6. 37mm HE Projectile, Grid 349, January 20, 2003

# 2.5.4 Scrap

During the intrusive investigation all scrap was thoroughly checked for explosive materials and stored in the magazine storage area. Upon completion of the intrusive investigation, all OES and non-OES (totaling approximately 97 pounds) was given a final inspection and sealed for shipment to the smelter (FACT International, Inc.). Photo 2.7 shows some of the scrap items recovered during the TCRA.

# 2.6 PUBLIC RELATIONS

The US Army Corps of Engineers, Wilmington District (CESAW) Project Manager was the overall coordinator for public affairs on this project. The following protocol was followed during execution of the Work Plan. All communications and contacts with the public were under the direction of USACE Wilmington District. All public information contacts made during the project were documented and forwarded immediately to USACE Wilmington District and USAESCH. Parsons supported, attended and participated in the USAESCH public meetings held during the EE/CA effort prior to start up of the TCRA and coordinated evacuation activities with the residents impacted by the TCRA actions. The support included preparation and delivery of briefings, graphics, presentations, and participation in site visits.



Photo 2.7. OES

# 2.7 SITE SECURITY

2.7.1 In general, security on site was maintained by limiting personnel in the work area to those necessary for the conduct of the work task. Given the residential nature of the site, residents were permitted to access their homes during non-intrusive operations. During all project tasks the SM or UXOSO was present to monitor the field personnel. Due to the hazardous nature of the operations all personnel working on site were given a daily safety briefing that made them aware of the possible ordnance that might be encountered as well as any recent developments in the ongoing work.

2.7.2 During intrusive activities the MSD was established and local residents within the MSD were evacuated during work hours. Only essential UXO-qualified personnel remained in the work area. Guards were posted on the perimeters of the MSD (during intrusive operations) to keep the public away. If the MSD was breached (such as to allow traffic to pass) all intrusive operations were temporarily stopped. The explosives storage magazines were located on NCNG property, checked regularly in accordance with the approved WP, and locked/sealed when not being accessed.

# CHAPTER 3 DOCUMENTATION

# **3.1 INTRODUCTION**

As part of the TCRA, extensive documentation was required for the day to day operations. All field operations and any correspondence related to the removal action were documented and a copy was kept at the site trailer. Only management had access to the documents which were always kept locked in the site trailer when unoccupied.

# 3.2 DAILY SAFETY BRIEFING AND DAILY FIELD REPORTS

3.2.1 Daily safety briefings were made by the Parsons UXO Safety Officer. Daily Field Reports were written by the Parsons SM and the USA SUXOS. These reports recorded in summary form the project progress and events that happened daily. The Daily Field Reports prepared by the the USA SUXOS and Parsons SM and are provided in Appendix E and H, respectively.

3.2.2 The Parsons Daily Field Reports documented the weather, personnel onsite, and daily events. Detailed information was kept in the field SM log book. Some of the items documented on the Daily Field Reports included:

- health and safety briefing,
- team composition, equipment, and assignments,
- brush clearing events and locations,
- visitors encountered,
- intrusive investigation grids, UXO/OE scrap recovered, detonation details, and EM-61 magnetometer surveys,
- grids that failed QC, passed QC, and passed QA,
- instrument malfunctions and remedies, and
- work hours onsite.

3.2.3 The Parsons Daily Field Reports described the intrusive investigation activities and included:

- Work locations
- Weather
- Work summary

- Work planned for the day,
- Work accomplished,
- Discrepancies, and
- Inspection results.
- Instructions received from customer representatives (Parsons)
- UXO summary
  - Type, quantity, location, and disposition of UXO discovered,
  - Type and quantity of demolition supplies expended, and
  - Weight and type of scrap generated and disposed.
- Personnel/equipment utilization summary
  - Number of personnel per job description,
  - Number of hours worked,
  - Equipment on-site,
  - Number of hours used,
  - QC Effort, and
  - Other remarks.

# **3.3 GEOPHYSICAL SURVEY FORMS**

The geophysical teams used Geophysical Survey Forms and dedicated logbooks during the DGM data collection to document the survey team members, the grid location, the date, the weather, and grid conditions. Each line surveyed was noted from start to finish including any mistakes, rerun lines, and physical features on the grid. A sketch of the grid and physical features were drawn on the forms. These forms helped the geophysical processor better understand the data, the grid boundaries, and certain anomalies.

# 3.4 DD FORM 1348-1

The DD Form 1348-1 was filled out for scrap removal. The form contained information such as the address from which the scrap was shipped, the address to which the scrap was shipped, the project name, the receiver's name and date, the inspector's name and date, the SUXOS' signature, etc. Other scrap information recorded was the type and total weight of scrap, the type and number of containers, the freight classification, and the date shipped. The DD Form 1348-1 and related documentation is included in Appendix F.

### **3.5 USAESCH FORM 948 (FORM 948)**

The Form 948's were filled out by USACE and provided to Parsons personnel to convey information about QC, safety, work plan, and other issues. Mainly the forms were filled out to document which grids passed QA and address other QA/QC concerns for RA activities. The USAESCH Form 948's are located in Appendix G.

### 3.6 GEOPHYSICAL DATA PACKAGES

3.6.1 Two types of geophysical data packages were sent to USACE: raw geophysical data and processed geophysical data. These packages allow USACE to verify and archive the geophysical data.

3.6.2 The geophysical data package consisted of the raw and corrected geophysical data and instrument XYZ files. These packages were sent to the USAESCH PM and project geophysicist and consisted of a CD with the raw and corrected geophysical data, instrument XYZ files, the processed XYZ files, a spreadsheet and Word document about the data on the CD, and an updated spreadsheet of all the grids and the grid status. The spreadsheet about the data included each data file name, the file type, the instrument used, the grid location, the data type (survey or QC), and the survey date.

# CHAPTER 4 TESTS

### 4.1 INTRODUCTION

No sampling of environmental media was included in Parsons' SOW for this TCRA project. As described in Chapter 2, six UXO items were identified and BIP during the 6-inch depth removal action. None of the UXO items contained CWM or White Phosphorous, only conventional explosive compounds. After each BIP the post-detonation hole was cleared of all visible debris. Any unexpended filler was collected and detonated with subsequent BIPs.

# CHAPTER 5 FINANCIAL BREAKDOWN

### 5.1 INTRODUCTION

All field tasks associated with this TCRA were negotiated as FFP. Therefore, the financial breakdown of the costs expended is not required in accordance with DID OE-030, paragraph 10.3.7.

# CHAPTER 6 SUMMARY

6.1 Parsons was contracted by USAESCH to conduct a Time Critical Removal Action on 26 acres within the former Camp Butner, Butner, North Carolina. The area of concern encompassed sixteen (16) contiguous acres within a residential development identified as Lakeview Subdivision and ten (10) acres comprising a one hundred (100) foot buffer around the entire site (Figure 2.1). The TCRA was conducted as a result of public concern stemming from UXO findings in the area during the EE/CA.

6.2 Prior to commencement of the 6-inch depth intrusive action, the site was extensively brush cut and overlain with a contiguous 100-foot by 100-foot grid network. The network, established by professional land surveyors certified in the State of North Carolina, was used to track progress of both intrusive and DGM activities.

6.3 Parsons subcontracted USA Environmental for the TCRA intrusive operations. Removal action activities began on January 6, 2003 and were completed on February 3, 2003. Removal action work was completed to a depth of 6 inches bgs on approximately 130 grids. The grids covered approximately 26 acres with 8,224 contacts intrusively investigated. A total of 6 UXO items were recovered and destroyed from 5 different grids including a 37mm HE projectile, two 2.36-inch bazooka rockets, MKII hand grenade, an M1 mine fuze, and an electric blasting cap. Other OES items included unidentifiable HE fragments, a grenade fuze, rifle grenade parts, M1 mine parts and expended fuzes, numerous 60mm mortar fins and tail booms, and 2.36-inch bazooka rockets parts. Five of the six items were located in the western third of the project site and within 250 feet of the subdivision entrance road (known to have existed during the Camp's operation). In addition, the distribution of OES is generally concentrated in the same area (Figure 2.2, Table 2.3). The sixth UXO item was located in a grid (grid 375) located adjacent to the cul-de-sac. No UXO or OES presence was confirmed in the southwestern portion of the Site.

6.4 Approximately 97 pounds of OES and non-OES scrap were shipped offsite for disposal to a smelter in California (Appendix F). The diversity of UXO and OES types suggests the site was used for disposal of surplus materials as opposed to a firing range. This is further supported by the lack of historical evidence of a training range at the location and aerial photographic interpretation/analysis (USACE, 2001).

6.5 Parsons conducted a post-intrusive DGM survey on the entire site with an EM-61 Time Domain Metal Detector (TDMD) from February 10, 2003 to March 4, 2003. Following processing and evaluation of the data, some data gaps were identified and additional DGM was conducted (using an EM-61 Hand Held instrument) from March 24

through March 28, 2003. Identification of potential anomalies for further subsurface investigation is beyond the scope of this project. However, the data has been provided to USACE for evaluation. A high concentration of potential anomalies was noted in the northwestern portion of the project site.

# CHAPTER 7 REFERENCES

- Parsons. 2002a. Final Work Plan for Engineering Evaluation/Cost Analysis. Former Camp Butner, Butner, North Carolina. Prepared for U.S. Army Engineering and Support Center, Huntsville, March 2001, revised July 2002.
- Parsons, 2002b. Final Work Plan for Time Critical Removal Action, Lakeview Subdivision, December 2002.
- Parsons, 2002c. Meeting Minutes from April 2, 2002 Public Information Meeting, April 2002.
- U.S. Army Corps of Engineers (USACE), Rock Island District. 1993a. Ordnance and Explosive Archives Search Report Findings for the Former Camp Butner, September 1993, revised February 1997.
- U.S. Army Corps of Engineers (USACE), Rock Island District. 1993b. Ordnance and Explosive Archives Search Report Conclusions and Recommendations for the Former Camp Butner, September 1993, revised February 1997.
- U.S. Army Corps of Engineers (USACE), Topographic Engineering Center, Operations Division, Virginia. 2001. *Historical Photo Analysis, Camp Butner, N.C.* June 2001.

# APPENDIX A STATEMENT OF WORK

#### **SCOPE OF WORK**

#### for

#### TIME CRITICAL OE REMOVAL ACTION

#### within

#### LAKEVIEW SUBDIVISION

#### at

### FORMER CAMP BUTNER

#### **BUTNER, NORTH CAROLINA**

# 14 September 200223 September 2002

26 September 2002

General Comment for current changes: Revised per final negotiations on 24 September to break out task 10 into 10a for Evacuations and police support and 10b for all intrusive operations.

General Comment for changes made on 23 September 2002. Revised to change QA failure criteria from any metallic item of any size to any metallic item the size of a 37mm projectile or larger and to Fix Price the intrusive field effort of Task 10. Also an accelerated work plan approval schedule has been added.

#### **1.0 OBJECTIVE**

The objective of this task order is to implement and perform a Time Critical Ordnance and Explosives Removal Action (TCRA) on a portion of the Former Camp Butner located near Butner, North Carolina. The area of concern encompasses approximately sixteen (16) acres within a development identified as Lakeview Subdivision, including a one hundred (100) foot buffer zone around the entire area thereby increasing the investigation area to approximately twenty-six (26) acres (See Attachment E). The Contractor's proposal shall include all costs required to safely locate, identify, and remove all metallic anomalies <u>the size of a 37mm</u> projectile or larger to include disposal of all ordnance within the identified area to a clearance depth of six (6) inches below the ground surface followed by digital geophysical mapping of the entire area to ascertain the location of additional deeper (anomalies (if any), which will be investigated at a later date. The proposal shall also include all costs associated with evacuation of residents, payments to police for road blocks, evacuation coordination, etc.

#### **2.0 INTRODUCTION**

The work required under this Scope of Work (SOW) falls under the Defense Environmental Restoration Program (DERP) and the Formerly Used Defense Site (FUDS) program. Ordnance and explosives (OE) may exist on property that was formerly owned, used, or controlled by the Department of Defense (DOD).

**2.1** Explosive ordnance is a safety hazard and may constitute an imminent and substantial endangerment to site personnel and the local populace, thus the applicable provisions of 29 CFR 1910.120 apply. During this TCRA, it is the Government's intent that the Contractor destroy all OE encountered on-site. The Contractor's work must be performed in a manner consistent with the Comprehensive Environment Response, Compensation, and Liability Act (CERCLA) Section 104, Executive Order No. 12580, and the National Contingency Plan (NCP), Sections 300.120(d) and 300.400(e). All activities involving work in areas potentially containing unexploded ordnance (UXO) hazards shall be conducted in full compliance with CEHNC, USACE, DA and DOD safety requirements regarding personnel, equipment and procedures and may result in the on-site destruction of UXO.

**2.2** Due to the inherent risk in this type of operation, the Contractor shall be limited to a 40-hour workweek: either five 8-hour days or four 10-hour days. UXO personnel shall not perform OE-related tasks for more than 10 hours per day. The Contractor shall provide a UXO Tech II for UXO avoidance escort operations in support of site preparation and surveying. This project does not require an on-site, full time Contract Manager.

**2.3** The site is not suspected to contain Chemical Warfare Materiel (CWM); however, if suspect CWM is encountered during any phase of site activities, the Contractor shall immediately withdraw upwind from the work area, secure the site, and contact the Corps of Engineers, CEHNC OE Safety.

2.4 Definitions of applicable terms are found in Section C of the basic contract.

### **3.0 BACKGROUND**

3.1 Camp Butner, a former U.S. Army installation, was located in the north central part of North Carolina in the counties of Granville, Durham and person. Authorized for construction in 1942, the Camp, occupying approximately 40,384 acres, was officially activated in August 1942. The Camp was established for training of infantry divisions and miscellaneous artillery and engineer units within the Fourth Services Command, the Army Ground Forces. In addition to the troop cantoonment area, the reservation included at least 15 ammunition training ranges, a 1000-inch small arms ammunition range, hand grenade ranges, a gas chamber, flame-thrower training range, a small arms training range and ammunition shipping.receiving and storage areas. Additionally, the Camp supported a large hospital and a prisoner of war camp.

Currently, the former Camp area is comprised of an area used by the North Carolina National Guard (approximately 4750 acres), areas of private agricultural and commercial use and various community/state/federal agency activities such as corrections, farming, natural and human services/resources, commerce, crime control and university/college involvement.

3.2.1 Site Definition. The "site" for this TCRA consists of approximately 26 acres comprising Lake View Subdivision, a community within the boundaries of the former Camp Butner. Live ordnance has been found in this community recently. Residents are very upset and concerned with their safety. Ordnance items include 1- Rocket, AT, 2.36 inch, 1-Rocket Motor (expended) M6 and 1-Projectile, H.E., M63 37mm. See Attachment E which is a plot of the subdivision.

### **4.0 SPECIFIC REQUIREMENTS**

The area to be cleared as part of this TCRA encompasses approximately sixteen (16) acres within a development identified as Lakeview Subdivision, including a one hundred (100) foot buffer zone around the entire area, thereby increasing the investigation area to approximately twenty-six (26) acres. The Contractor's proposal shall include all costs required to safely locate, identify, and remove all metallic anomalies to include disposal of all ordnance within the identified area to a clearance depth of six (6) inches below the ground surface followed by digital geophysical mapping of the entire area to ascertain the location of additional deeper anomalies (if any), which will be investigated at a later date.

### 4.1 (TASK 1) POST AWARD SITE VISIT

This task is not applicable for this Task Order.

### 4.2 (TASK 2) TECHNICAL PROJECT PLANNING (TPP)

This task is not applicable for this Task Order.

### 4.3 (TASK 3) GEOPHYSICAL PROVE-OUT (GPO)

This task is not applicable for this Task Order. The Contractor shall use information derived from the previous GPO prepared for the former Camp Butner Engineering Evaluation/Cost Analysis (EE/CA) to complete the geophysical mapping portion of this SOW.

### 4.4 (TASK 4) REMOVAL ACTION WORK PLAN

This is a TIME and MATERIALS task order. The Contractor shall prepare a Removal Action Work Plan (WP) in accordance with Data Item Description (DID) OE-005-01, Type II Work Plan. The WP shall describe the specific work proposed in order to meet the objectives and requirements of this SOW. The WP shall propose a mag and dig surface clearance to six (6) inches followed by mapping of the entire area using digital geophysical methods. The WP shall also describe (in specific terms) the policies, organization, objectives, functional activities, Site Specific Health and Safety Plan, Data Quality Objectives (DQO's), OE Investigation, Data Management and specific Contractor Quality Control (QC) activities required to achieve the objectives for this project. The Contractor shall propose and justify methods and procedures that are well suited to the anticipated site conditions, which may include heavy brush and wooded areas as well as occupied residential homes. The Contractor shall consider technical requirements for site characterizations as well as safety, security, environmental regulations, endangered species, engineering controls, evacuations, and road closures applicable to this site. The Contractor shall submit a 'Draft', 'Revised Draft' and 'Final' versions of the Work Plan in accordance with Section 5.0 of this SOW. The WP shall describe the specific work proposed in order to meet the objectives and requirements of this SOW. The WP shall not include a Sampling and Analysis Plan or an Investigative Derived Waste Plan.

### 4.5 (TASK 5) BRUSH CLEARING

This is a **TIME and MATERIALS** task order. The Contractor shall perform only the minimum amount of brush removal necessary to accommodate project activities, but shall not remove any trees with a diameter greater than three (3) inches, without written approval from the Government. The Contractor shall provide in the proposal a unit price per acre for brush

clearing activities using twenty-six (26) acres for estimating purposes. The actual areas to undergo brush clearing should be validated by the Contractor during land surveying activities, but shall be estimated in the proposal using the acreage estimates provided above. A price per acre for additional brush clearing activities (if necessary) shall also be provided. The Contractor shall be responsible for restoration of flowerbeds, shrubbery, and landscaping, if damaged during any site activities. Payment for property restoration will be directly to the landowner(s) by the Contractor at no cost to the Government.

### 4.6 (TASK 6) LOCATION SURVEYS AND MAPPING

This is a **TIME and MATERIALS** task order. Location surveying and mapping shall be in accordance with DID OE-005-07 and the approved Work Plan. The Contractor shall provide in the proposal a unit price per acre for land surveying activities using twenty-six (26) acres for estimating purposes. The Contractor shall validate acreage totals for brush clearing, land surveying, digital geophysical mapping, and intrusive activities during this task. A price per acre for additional land surveying activities (if necessary) shall also be provided. A boundary survey of all areas cleared of ordnance shall be provided upon completion of project activities. The map of the cleared area will convey all corner coordinates or break points around the boundary of the site, and will be delineated in North Carolina State Plane Coordinates. The boundary survey(s) shall include a legal description and be sealed by a Land Surveyor Registered in the State of North Carolina.

### 4.7 (TASK 7) GEOPHYSICAL INVESTIGATION AND EVALUATION

This is a **FIRM FIXED PRICE** task order. The Contractor shall provide in the proposal a **total price** for digital geophysical mapping activities (using the acreage estimates provided) and a **price per acre** for additional digital geophysical mapping activities (if necessary).

### 4.7.1 Investigation and Evaluation

The geophysical mapping shall be conducted in accordance with the WP and the requirements specified in **Appendix A** and shall be based upon the previous GPO completed for the former Camp Butner EE/CA. The Contractor shall propose and discuss the methodology by which geophysical mapping shall occur. The Contractor shall produce geophysical maps of the site that

show major geophysical features for any areas not previously mapped by digital geophysical methods. A map layer that includes physical (cultural) features overlaid onto the geophysical data results shall also be included. Items to be annotated on this map include, but are not limited to, all visible pipes and power lines, manhole covers, buildings, inaccessible areas such as fence lines, areas of bare rock, etc. All geophysical data, both raw and processed, shall be sent via overnight mail to CEHNC, on a CD ROM, within two (2) days of data collection. When a USACE geophysicist is on-site, the geophysical data shall be available to the geophysicist on a daily basis. Raw and final processed geophysical data shall be in column delineated ASCII files in the format X, Y, V1, V2... where X=Easting Coordinate, Y=Northing Coordinate, V1= top sensor reading, V2 = next lower (spatially) co-located sensor reading, etc. The data shall be provided in North Carolina State Plane Coordinates.

### 4.8 (TASK 8) ESTABLISHMENT AND MANAGEMENT OF GIS

This task is not applicable for this Task Order; however, information obtained during this TCRA shall be incorporated into the EE/CA Report currently being completed by Parsons Engineering Science, Inc. Data shall be provided, in an electronic format, for incorporation by Parsons into the EE/CA GIS at a later date.

### 4.9 (TASK 9) EXPLOSIVE SAFETY SUBMISSION (ESS)

This task is not applicable for this Task Order.

### 4.10 (TASK 10A) INTRUSIVE INVESTIGATIONS- EVACUATIONS AND POLICE

<u>SUPPORT--</u>The contractor shall include a line item for evacuation coordination support plan that will address all costs anticipated and how residents and motorists will be handled during intrusive operations. <u>The contractor is allowed to submit an assumed amount</u> <u>for evacuation and police costs. If evacuation and police costs increase above the</u> <u>awarded amount, a mod will be done to increase evacuation and police support costs.</u>

### (TASK 10B) INTRUSIVE INVESTIGATIONS

This is a **TIME and MATERIALS** Fixed Price task order. The Contractor shall perform a clearance to a depth of six (6) inches below the ground surface for the identified area using an

estimated total of twenty-six (26) acres for proposal purposes. The Most Probable Munition (MPM) for this work area is a 155mm HE projectile. The contractor shall include in the work plan the fragmentation distances associated with this MPM. The contractor must coordinate subsurface digging with local utility companies to prevent damage or injury from buried utilities. Please note, the Contractor shall not propose based on a maximum number of anomalies or digs, etc. The proposal shall be for a total clearance of all metallic anomalies <u>equal to the size of a</u> <u>37mm projectile or larger</u> from the surface to a depth of six (6) inches. As part of the intrusive investigation task, the contractor shall transmit to the Huntsville PM weekly digital photographs of the work in progress. Photos shall include any ordnance item or scrap ordnance item found, including demolition steps of any UXO. Photos should include proximity homes.

### 4.10.2 OE Inspection and Procedures

The Contractor shall account for and process all OE and Range Residue for final disposition in accordance with **Appendix B** of this SOW.

### 4.10.3 **Backfilling Excavations**

All access/excavation/detonation holes shall be backfilled by the Contractor to their prior condition. The Contractor shall be responsible for restoration of flowerbeds, shrubbery, and landscaping, if damaged during any site activities. Payment for property restoration will be directly to the landowner(s) by the Contractor at no cost to the Government.

### 4.10.4 **Quality Control**

The Contractor shall develop a Quality Control (QC) Program that shall ensure a quality product for all aspects of the project, which includes any work performed by a subcontractor on the project. The Contractors' QC procedures for all phase and types of work should be included in the WP. The Contractor shall ensure that documentation is maintained and provided in the Removal Report that supports the QC process.

### 4.10.4.1 UXO Quality Control (QC) Specialist

The individual performing the UXO QC shall not be involved in the performance of other OE field tasks. Dual hat positions are not allowed for this site without prior written approval of the

Contracting Officer. The UXO QC Specialist shall meet the requirements as shown DID OE-025.

#### 4.10.5 **Quality Assurance**

For QC/QA purposes, the Contractor shall find and remove all metallic anomalies from the surface to a depth of sin (6) inches. In addition to the QC process performed by the contractor, the Government will conduct QA inspections on all phases and types of work performed. The inspection will be accomplished only after the Government has been notified in writing that the Contractor's QC activities have been completed. The Government reserves the right to perform QA inspections at any time during the project. Failure of grids constitutes the discovery of any anomaly yielding a metallic object <u>equal in size or larger than a 37 mm projectile</u> recovered on the surface or within six (6) inches below the ground surface. Failed grids shall be completely re-cleared by the contractor <u>at the contractors expense</u>. The Contractor shall provide full documentation detailing what failed the QA process, why it failed, and how the problem was corrected.

#### 4.11 (TASK 11) REMOVAL REPORT.

This is a **FIRM FIXED PRICE** task order. The Contractor shall prepare a site-specific Removal Report in accordance with DID OE-030. The Contractor shall submit a 'Draft', 'Revised Draft', and 'Final' versions of the Removal Report in accordance with **Section 5.0 of this SOW**.

#### 4.12 (TASK 12) PROJECT MANAGEMENT

This is a **TIME and MATERIALS** task order. The Contractor shall perform project management activities necessary to maintain project control, to include but not be limited to the following:

<u>Schedule</u> The Contractor shall develop and submit for approval, a comprehensive project schedule. The Contractor shall use the schedule to coordinate evacuations and other interruptions pertaining to the use of the property. The Contractor is responsible for

coordination and scheduling of all activities with homeowners within the Lakeview Subdivision and the surrounding vicinity.

### 4.12.2 Work Task Proposal

This task is not applicable for this Task Order.

### 4.12.3 Public Meetings

The Contractor shall be prepared to attend and participate in 3public meetings with homeowners within the Lakeview Subdivision and local regulatory agencies. The Contractor shall be prepared to make presentations and answer questions concerning project activities at the Former Camp Butner. The Contractor shall anticipate one (1) public meeting in the Butner, North Carolina area.

### 4.12.4 <u>Reports/Minutes, Record of Meetings</u>

The SUXOS shall be available during normal work hours to support a progress review meeting. The Contractor shall prepare and submit a report/minutes of all meetings attended in accordance with DID OE-045.

### 4.12.5 <u>Telephone Conversations/Correspondence Records</u>

The Contractor shall keep a record of each phone conversation and written correspondence concerning this Task Order in accordance with DID OE-055.

### 4.12.6 Monthly Status Reports

This task is not applicable for this Task Order.

### 4.12.7 Weekly Status Reports

This task is not applicable for this Task Order.

### 4.13 (TASK 13) SAMPLING AND ANALYSIS PLAN

This task is not applicable for this Task Order.

#### 5.0 SUBMITTALS AND CORRESPONDENCE

#### 5.1 Format of Engineering Reports

Any and all reports and/or plans not covered by a specific DID shall be prepared according to the following guidelines. The front cover of the report or plan shall be prepared in accordance with Attachment 1 of DID OE-030 and shall bear the following statement in addition to other requirements. "The views, opinions, and/or findings contained in the report are those of the author(s) and should not be construed as an official Department of the Army position, policy, or decision, unless so designated by other documentations". The cover shall also denote the version of the report/plan presented (e.g. Draft, Revised Draft, or Final). When drawings are required, data may be combined to reduce the number of drawings. All drawings shall be of engineering quality in drafted form with sufficient detail to show interrelations of major features. The contents and format of the engineering reports shall be arranged in accordance with all pertinent guidance documents. The report/plan shall be typed on standard size of 8-1/2 inch by 11-inch white paper, with drawings other than the construction drawings folded, if necessary, to this size. Chapters shall be numbered sequentially. Within each chapter, the paragraphs shall be numbered sequentially starting with the chapter number. Within each chapter, any figures, tables, and charts shall be numbered sequentially starting with the chapter number. Appendices shall be lettered alphabetically and shall be identified and referenced in the text of the report/plan. Within each appendix, each page shall be numbered sequentially starting with the appendix letter. Every page of the report/plan shall contain a date footer, contract number, task order number, and version (e.g. draft, final, original, change 1, etc) of the report. The report/plan shall be legible and suitable for reproduction. The final version of each report/plan shall also be submitted on CD-ROM in accordance with the other paragraphs of Section 5.0 and shall include copies of all drawings, data, documents, reports, etc.. All data, including raw analytical and electronic data, generated under this task order are the property of the Department of Defense (DOD) and the government has unlimited rights regarding its use.

#### 5.2 <u>Computer Files</u>

All final text files generated by the Contractor under this contract shall be furnished to the Contracting Officer in Microsoft Word 6.0 or higher software. Spreadsheets shall be in

Microsoft EXCEL. All final CADD drawings shall be in Microstation 95 or higher. Any GIS data shall be in ESRI (Arcview/Arcinfo) format.

### 5.3 HTML Deliverables

In addition to the paper and digital copies of submittals, the final version of any and all reports, drawings, documents, data, etc. and/or plans shall be submitted, uncompressed, on CD ROM in hypertext markup language (HTML) along with a linked table of contents, linked tables, linked photographs, linked graphs and linked figures, all of which shall be suitable for viewing on the Internet.

### 5.4 <u>Review Comments</u>

Various reviewers will have the opportunity to review submittals made by the Contractor under this contract. The Contractor shall review all comments received through the CEHNC Project Manager and evaluate their appropriateness based upon their merit and the requirements of the SOW. The Contractor shall issue to the Project Manager (PM) a formal, annotated response to each in accordance with the established schedule in this SOW. The Contractor shall not nonconcur with a comment without discussing the comment with the CEHNC PM. If the PM is not available then the Contractor shall contact the Technical Manager.

### 5.5 Identification of Responsible Personnel

Each report shall identify the specific members and title of the Contractor's staff and subcontractors that had significant and specific input into the preparation or review of the report.

### 5.6 Public Affairs

The Contractor shall not publicly disclose any data generated or reviewed under this contract. The Contractor shall refer all requests for information concerning site conditions to the local Corps of Engineers Public Affairs Office (Wilmington District) with a copy furnished to the CEHNC PM. Reports and data generated under this contract are the property of the DOD and distribution to any other source by the Contractor, unless authorized by the Contracting Officer, is prohibited.

### 5.7 <u>Submittals</u>

The contractor shall furnish copies of the plans, maps, and reports as identified in **Section 5.8**, or as specified in this SOW, to each addressee listed below in the quantities indicated. The Contractor shall submit a CD, with each copy, of the Final version of all submittals (WP, Reports, Plans, etc) in accordance with **Section 5.2**. The Contractor shall submit 1 copy on CD of the Final Versions of all submittals (WP, Reports, Plans, etc) in accordance with **Section 5.3**. For purposes of the SOW all days are considered calendar days. In addition to the CDs required above the column below shows recipients in which the Draft and Draft Final version must be submitted to also. This shall also be in accordance with **Section 5.2**.

ADDRESSEE	COPIES	CD		
Commander US Army Engineering and Support Center, Huntsville Attn: Mr. Roland Belew (CEHNC-OE-DC) 4820 University Square Huntsville, AL 35816-1822	4	1		
Commander US Army Corps of Engineers Wilmington District Attn: Mr. John Baden Wilmington, NC	4	1		
Commander US Army Corps of Engineers, South Atlantic Attn: Ms. Sharon Taylor (CESAD-PM-H) 77 Forsyth Street Atlanta, GA 30336-6801	1 Final Ha	1 Final Hardcopy Transmittal		
Commander Headquarters, US Army Corps of Engineers Attn: Mr. Dale Moeller (CEMP-RF) 441 G Street N.W Washington, DC 20314-1000 Commander	1 Final Hardcopy Transmittal			
U.S. Army 18 <sup>th</sup> Explosive Ordnance Disposal Company Fort Bragg, N.C.	1 Final Ha	rdcopy Transmittal		

### 5.8 Submittals and Due Dates

### SUBMITTAL

### **DUE DATES**

Site Visit Report (if required) Draft Work Plan Government Review Revised Work Plan Gov Back Check Minor Revision to Final Work Plan Draft Removal Report Revised Draft Removal Report Final Removal Report Final Electronic Copies of all Documents, Plans, Data, Reports, etc.

### NA

10 working days after award
Within 5 working days of receipt of WP
5 working days after receipt of comments
Within 2 Days of Receipt of Revised WP
1 days after receipt of back check comments
15 days after completion of fieldwork
15 days after receipt of comments
Provided after approval of Final Report

### 6.0 REFERENCES:

6.1 Refer to 'Basic Contract'.

**6.2** 29CFR 1910, Occupational Safety and Health Administration (OSHA) General Industry Standards

6.3 29CFR 1926, Construction Industry Standards

6.4 29CFR 1910.120/29CFR 1926.65 - Hazardous Waste Site Operations and Emergency Response

6.5 40CFR 300, National Contingency Plan

**6.6** NIOSH/OSHA/USCG/EPA (DHHS(NIOSH) Publication #85-115) (OCT 85), Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities

6.7 Federal Acquisition Regulation (FAR) Clause 52.236.13, Accident Prevention

**6.8** EM 385-1-1 (3 SEP 96), US Army Corps of Engineers Safety and Health Requirements Manual

**6.9** EM 1110-1-4009 (23 June 2000) Engineering and Design – Ordnance and Explosives Response

6.10 EP 1110-1-18 (24 June 2000) Engineering and Design – Ordnance and Explosives Response

**6.11** EP 385-1-95a 29 June 2001 Basic Safety Concepts and Considerations for Ordnance and Explosives Operations

**6.12** Interim Guidance Document 01-01, 27 March 2001, Ordnance and Explosives Risk Impact Assessment

**6.13** Interim Guidance Document 01-02 27 June 2001 Implementation of Technical Project Planning (TPP) For Ordnance and Explosives (OE) Formerly Used Defense Sites (FUDS) Projects

### 6.14 Data Item Descriptions

The following Data Item Descriptions are part of this contract and are available at the following: <a href="http://www.hnd.usace.army.mil/oew/dids.asp">http://www.hnd.usace.army.mil/oew/dids.asp</a>

### **Data Item Descriptions**

Number	Title
DID OE-005-01	Type II Work Plan
DID OE-005-02	Technical Management Plan
DID OE-005-03	Explosives Management Plan
DID OE-005-04	Explosives Siting Plan
DID OE-005-05	Geophysical Investigation Plan
DID OE-005-06	Site Safety and Health Plan
DID OE-005-07	Location Surveys and Mapping Plan
DID OE-005-08	Work, Data, and Cost Management Plan
DID OE-005-09	Property Management Plan
DID OE-005-10	Sampling and Analysis Plan
DID OE-005-11	Quality Control Plan
DID OE-005-12	Environmental Protection Plan
DID OE-005-13	Investigative Derived Waste Plan
DID OE-005-14	Geographical Information System Plan
DID OE-010	Engineering Evaluation/Cost Analysis (EE/CA) Report
DID OE-015	Accident/Incident Reports
<b>DID OE-025</b>	Personnel/Work Standards
DID OE-030	Site Specific Final Report
DID OE-040	Disposal Feasibility Report
DID OE-045	Report/Minutes, Record of Meetings
DID OE-055	Telephone Conversations/Correspondence Records
DID OE-080	Monthly Status Report
DID OE-085	Weekly Status Report
DID OE-090	Ordnance Filler Report
DID OE-100	Analysis of Institutional Controls

### **APPENDIX A**

### **GEOPHYSICAL INVESTIGATION PLAN**

**Applicable Forms:** Attachment A – Field Data Sheet, Attachment B – Instrument Standardization Quality Control Requirements, Attachment C – Geophysical Dig Sheet and Target History, Attachment D – Geophysical Map Deliverable Format

**Use/Relationship:** The Geophysical Investigation Plan will be used to provide details of the approach, methods, and operational procedures to be employed to perform geophysical investigations at OE sites and includes instructions for preparing Work Plan chapters and data requirements when addressing geophysical investigations for OE projects. Additional references include EM 1110-1-4009, Ordnance and Explosives Response.

#### **Requirements:**

1. Unexploded Ordnance (UXO) Safety. During all initial fieldwork and all intrusive activities, the geophysical crew shall be accompanied by a UXO Technician II (or higher). The UXO Technician II shall conduct visual surveys for surface ordnance prior to the survey crew entering an area potentially containing UXO, and a magnetometer or electromagnetic survey of each intrusive activity site to ensure the site is anomaly free prior to the crew setting monuments or driving stakes. The UXO Technician II will not be required on a full time basis for most of the project, for non-intrusive activities.

2. Personnel Qualifications. All geophysical investigations shall be managed by a qualified geophysicist meeting the qualification requirements listed in DID OE-025.

3. Geophysical Investigation Plan Outline. The Contractor shall prepare a geophysical investigation plan in accordance with the following outline:

3.1 Site Description.

- a. Geophysical Data Quality Objectives. Define target objectives and Site Specific Project constraints.
- b. Specific Area(s) to be investigated, including a Survey Mission Plan Map.
- c. Past, current and future use
- d. Anticipated UXO type, composition and quantity
- e. Depth anticipated
- f. Digital Topographic Maps
- g. Vegetation (Digital air photos if available)
- h. Geologic conditions (including bedrock type, mineralization and depth)

i. Soil conditions - including soil type/composition, typical moisture content, and thickness. Include Soil Conservation Service (SCS) map if available.

j. Shallow groundwater conditions (including depth, mineralization, existence of perched tables, and seasonal & tidal variations)

k. Geophysical conditions, including background geophysical gradients, regional magnetic field intensity, inclination, declination, local variation.
 l. Site Utilities

Butner TCRA SOW

m. Man-made features potentially affecting geophysical investigations

n. Site-specific dynamic events such as tides, unusually strong winds, or other unusual factors affecting site operations

- o. Overall Site Accessibility and Impediments
- p. Potential Worker Hazards
- 3.2 Geophysical Investigation
- a. Survey Type Fixed Pattern, Transect, Meandering Path, Hybrid
- b. Equipment
  - Survey Platforms
  - Detectors
  - Navigation and Mapping System
    - Note- If GPS systems are used, correlate satellite availability with work/rest periods
  - Data Processing System
- c. Procedures. Refer to Attachment A for Field Data Sheet
- d. Personnel Identify key personnel and project team members with designated responsibilities and requirements
- e. Production Rates
- f. Data spatial density (define data in-line spacing and lane width)
- 3.3 Instrument Standardization. Refer to Attachment B for requirements and acceptance criteria.
- 3.4 Data Processing, Corrections and Analysis. Detail initial field processing, standard data analysis methods, advanced data analysis techniques that may be required by certain project specific conditions, anomaly selection and decision criteria.

#### a. Initial Field Processing

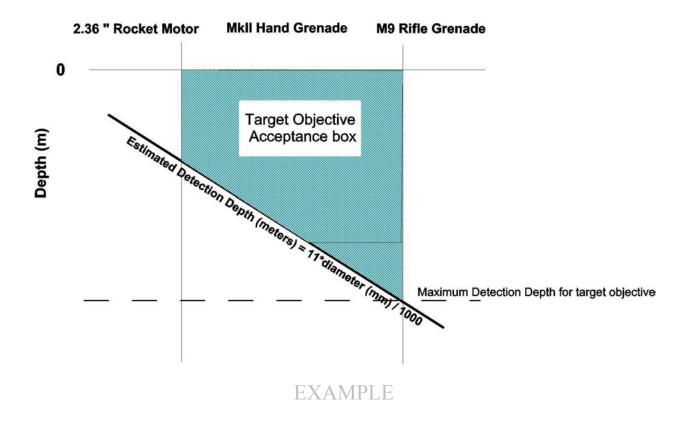
Data file QC review and correction

- Grid name and location
- Line numbers, survey direction, fiducial locations, start and end points
- Removal of data drop-outs, spikes and physical feature interference sources
- b. Standard data analysis
  - Diurnal correction (magnetic data)
  - Positional offset correction
  - Sensor bias, background leveling and/or standardization adjustment
  - Sensor drift removal
  - Latency Correction
  - Heading error removal (magnetic data)
  - Geophysical noise identification and removal (spatial, temporal, motional, terrain induced)
  - Gridding method and search criteria
  - Contour level selection with background shading and analysis
- c. Advanced Data Processing, Digital Filtering and Enhancement (if applicable)
  - Dipole match, or Analytic Signal calculation (magnetic data)
  - adaptive (matched) filtering,
  - Approximate magnetic volume/mass estimates (magnetic data)
  - Approximate depth determination

- Time decay curve analysis (TDEM data)
- Amplitude and Phase response analysis (FDEM)
- Data Fusion
- Digital filtering and Enhancement (low pass, high pass, band pass, Convolution, Correlation, Non-linear, etc...)
- d. Anomaly Selection and Decision Criteria
- 3.5 Dig Sheet Development. Refer to Attachment C for form.
- 3.6 Anomaly Reacquisition
- 3.7 Feed-Back Process (Comparison of dig-sheet predictions with ground-truth excavation results)
- 3.8 Quality Control
- 3.9 Corrective Measures
- 3.10Records Management (Life Cycle Data Management, Resource loaded schedule in Microsoft Project 2000 format, Data transfer, and Data Storage)
- 3.11 Interim Reporting
- 3.12 Final Reports and Maps. Refer to Attachment D for format.
- 4. Geophysical Investigation Performance Goals.
- 4.1 OE Detection.
- a. A simplified expression for maximum depth of detection is calculated as:

#### Estimated Detection Depth (meters) = 11\*diameter (mm) / 1000

- b. Minimum OE diameter ("dia") must be determined on a project-specific basis. The contractor shall detect and remove all OE and OE look-alikes located within the target objective performance box (below).
- c. Any unexcavated (missed) OE look alike item that has an intermediate principal axis (diameter of ordnance-like item) that fits within the target acceptance box, is considered to be Quality failure. The contractor will, at no expense to the Government, correct the Quality deficiency and resweep and perform QC on all affected area's again before re-submitting back to the Government for verification and acceptance.



d. If the contractor believes the target objective performance goals cannot be achieved at a particular site, then the contractor shall propose and document alternative goals for the Contracting Officer's consideration. The contractor will not be held liable for technically unachievable goals, as determined during the GPO and initial phase of field work.

4.2 Horizontal Accuracy. Horizontally, 95% of all excavated items must lie within a 35 cm. radius of their mapped surface location as marked in the field after reacquisition.

4.3 False Positives. If there are more than 15% "false positives" (anomalies reacquired by the Contractor result in no detectable metallic material recovered during excavations, calculated as a running average for the sector), a reevaluation of the data, detection methods being utilized, and overall project Quality Control shall be performed at no cost to the Government. A written response explaining the reason for the excessive false positive results and a Corrective Action Plan, if appropriate, shall be submitted to the contracting officer within 10 days of identification of the situation.

5. Geophysical Mapping Data.

5.1 The Contractor shall correlate all sensor data with navigational data based upon a local "third order" (1:5,000) monument or survey marker. If a suitable point is not available, the Contractor shall have a Professional Land Surveyor (PLS) establish a minimum of three (3) new monuments or survey markers with a minimum of "third order" accuracy. All sensor data shall be preprocessed for sensor offsets, diurnal magnetic variations, latency corrections, drift corrections, etc. and correlated with navigation data. Diurnal magnetic variations measured at a base-station must be collected at approximately the same frequency that readings are collected by instruments used by field crews. The approved geophysical mapping technology shall digitally capture the instrument readings into a file coincident with the grid coordinates. All raw and final processed data shall be delivered corrected and processed in ASCII files. Corrections such as for navigation, instrument bias, and diurnal magnetic shift shall be applied. All corrections shall be documented. Grids geophysically mapped shall be exactly coincident with the grid system used by the UXO removal action contractor and shall use exactly the same datum and coordinate system. However, the

geophysical contractor may choose to provide geophysical data files in grids of up to 400 ft. x 400 ft. square. The data shall be presented in delineated fields as x, y, z, v1, v2, etc., where x and y are UTM Grid Plane Coordinates in Easting and Northing directions, z (elevation is an optional field in meters), and v1, v2, v3, etc., are the instrument readings. The last data field should be a time stamp. Each data field shall be separated by a comma or tab. No individual file may be more than 100 megabytes in size and no more than 600,000 lines long. Each grid of data shall be logically and sequentially named so that the file name can be easily correlated with the grid name used by other project personnel. The formats specified in this paragraph are REQUIRED to be exactly followed, although the contractor may choose to submit the data in additional formats as well. No later than 36 hours after collection, the Contractor shall furnish each day's data to USAESCH, via internet using FTP, E-mail attachment for small files under 5 Mb, digital compact disk (CD) or other approved method, for inspection. Such data is considered to be in draft form. The data shall be corrected for sensor offsets, diurnal variations, latency, heading error, and drift. The Contractor shall also provide a digital planimetric map, in Intergraph .DGN, Surfer .srf, ESRI ArcView or Geosoft format, and coincident with the location of the geophysical survey, so that each day's geophysical data set can be registered within the original mission plan survey map. Within 14 days of completion of survey activity the Contractor shall provide USAESCH all final geophysical maps, dig-sheets and supporting geophysical interpretations. All geophysical data shall be accompanied by a Microsoft Word 6.0 or higher file documenting the field activities associated with the data, and the processing performed. The Government will periodically perform validation checks to assure positional accuracy, proper instrument calibration or other analysis. Draft Data shall be provided within 24 hours of request to the government representative performing QA activities on the project.

5.2 Geophysical Data Analysis, Field Reacquisition and Reporting. The Contractor shall analyze the geophysical data and provide complete digital "dig-sheets" in Microsoft Excel spreadsheet format utilizing **Attachment C**. Microsoft Access '97(or higher) database tables that include pre-built queries for the required information are also acceptable.

5.3 Anomaly Reacquisition and Marking. The same Contractor that geophysically mapped and analyzed the survey area shall reacquire all geophysical anomalies identified for excavation on the dig sheets using the re-acquisition method tested by the Contractor and approved by CEHNC on the GPO. The Contractor shall flag (PVC flag with the unique identifier number recorded in indelible ink on the flag) the actual field location of each re-acquired anomaly shown on the "dig-sheet" and paint the ground (if feasible and allowable) at the flag location with high-visibility paint. Such reacquisition shall be carried out concurrently with other site activities and shall be completed no later than 14 days after geophysical field investigations are completed. If a longer than 14 day hiatus between the geophysical survey work and re-acquisition is expected, this should be so stated in the Resource loaded Project Schedule that is submitted for Government approval. Additionally, the Contractor will re-acquire 200 anomalies (the Government reserves the right to choose which 200 anomalies) to validate that the original geophysical survey location data is acceptable. The Contractor shall record and report on all discrepancies between final reacquired mapped locations of anomalies as shown on the dig-sheet, and actual locations of the excavated anomalies. The Contractor shall also report any anomalies that could not be reacquired.

5.4 Anomaly Excavation Reporting. The Contractor shall, in full accordance with the project work plan, excavate the reacquired anomalies in the field. The disposition and final location details of each anomaly shall be recorded on the final dig sheets, which shall be submitted to USAESCH within 14 days of completed excavations for that individual grid and included with the final report (refer to DID OE-030).

# ATTACHMENT A

# Field Data Sheet

QC checked byDate:		QA che	cked by	Date: _			
Project Name:		Project Location:					
Geophysical Contractor:		Design Center POC:					
Project Geophysicist:							
Survey Area ID:							
Survey Type: Grid Meande	ring Path  Tran						
Coordinate System: UTM S	tate Plane NAD _	LocalOthe	er Unit of Mea	asure: 🗌 1	meters feet		
Sketch of Survey Area:	Approx	. Scale:	N	orth Arro	w:		
			1				
			Terrain:	~			
				1	— I		
			Rolling Rut				
			Rocky Swa		-		
			Tree Cover:	<b>Free Heig</b> ł	nt:		
			None Light	Mediu	n 🗌 Thick		
			Brush:				
			□None □Light	Medium	n 🗌 Thick		
			Weather:				
			Sunny Clou	dy 🗌 Driz	zle		
			Rain Thund	lerstorms [	Hail		
			☐Fog ☐Humid	Snow			
Grid Corner Coordi	nates:		Start	End	File Name		
UTM/State Plane	Local	Battery Voltage					
SW,	,	Static Backgrou	nd Value:				
NW,	,	Static Response	Value:				
NE,							
SE,							
Raw Data File Name:			e Name:				
Geophysical Instrumentation:			Serial Numbe	r:			
Base Station:			Serial Numbe	r:			
Navigation Method:							
Additional Comments:							

## ATTACHMENT B

### **Instrument Standardization Quality Control Requirements**

#### for

#### **OE Digital Geophysical Mapping**

To facilitate the detection of buried munitions, the U.S. Army Engineering and Support Center, Huntsville (USAESCH) has defined standard equipment tests and data quality requirements for its Ordnance and Explosives – Digital Geophysical Mapping (OE-DGM) contractors. USAESCH has found that it is imperative to perform and review QC tests before carrying out production geophysical work. This ensures that the geophysical system is functioning properly and optimized for the target objectives.

The most common instruments in use today for metallic OE detection are magnetometers, and electromagnetic metal detectors. This document will identify the USAESCH required QC tests and acceptance criteria for these types of instruments.

#### 1.0 QC Steps/Tests

The required equipment tests and frequency of testing are summarized in Table 1.

Table 1: QC Test Frequency

Test #	Test Description	Specific detector	Powero	n Beginni	ngo Day	IND E FIND TO	A Project for P	set rot of the set
1	Equipment Warm-up		Х					
2	Record Sensor Positions			Х				
3	Personnel Test			Х				
4	Vibration Test (Cable Shake)			Х				
5	Static Background and Static Spike				X			
6	Azimuthal Test	Magnetometer Only				X		
7	Height Optimization					Х		
8	6 Line Test					Х		]
9	Octant Test - (Heading Error Test)	Magnetometer Only				Х		]
10	Repeat Lines						Х	1

#### 1.1 Equipment/Electronics Warm-up

Purpose: Minimize sensor drift to allow instrument electronics time to reach operating temperature. Most instruments need a few minutes to warm up before data collection begins. Follow the manufacturer's instructions or, if none are given, observe the data readings until they stabilize.

Acceptance Criteria: Equipment Specific (typically 5 minutes).

#### 1.2 Record Relative Sensor Positions

Purpose: Document relative navigation and sensor offsets, detector separation, and detector heights above the ground surface. This will ensure that detector offset corrections and gradient calculations can be done correctly and that the surveys are repeatable.

Acceptance Criteria: +/- One inch (2.54 cm)

#### 1.3 Personnel Test

Purpose: Ensure survey personnel have removed all potential interference sources from their "bodies". Common interference sources are ballpoint pens in the operator's pocket and steel-toed boots or large metallic belt buckles, which can produce data anomalies similar to OE targets. All personnel who will be coming within close proximity of the sensor during survey operations must approach the sensor and have a second person monitor and record the results.

Acceptance Criteria: EM61 +/- 2mV, Mag +/- 3nT

#### 1.4 Vibration Test (Cable Shake)

Purpose: Identify and replace shorting cables and broken pin-outs on connectors. With the instrument held in a static position and collecting data, shake all cables to test for shorts and broken pin-outs. An assistant is helpful to observe any changes in instrument response. If shorts are found, the cable should be immediately repaired or replaced. After repair, cables need to be rigorously tested before use.

Acceptance Criteria: Data Profile does not exhibit data spike responses.

#### 1.5 Static Background and Static Standard Response (Spike) Test

Purpose: Quantify instrument background readings, electronic drift, locate potential interference spikes in the time domain, and determine impulse response and repeatability of the instrument to a standard test item. A standard 2" diameter steel trailer ball (Uniball- available from U-haul) is the preferred test item, as it is easily acquired and transported. Improper instrument function, the presence of local sources of ambient noise (such as EM transmissions from high-voltage electric lines), and instability in the earth's magnetic field (as during a magnetic storm) are all potential causes of inconsistent, non-repeatable readings. A minimum of three minutes static background collection after instrument warm-up, followed by a 1-minute standard (spike) test followed by a 1-minute static background data is required. The operator must review the readings to confirm their stability prior to continuing with the geophysical survey.

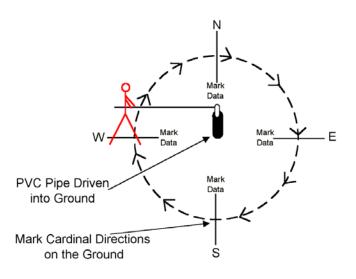
Acceptance Criteria: Static Background Test: EM61 +/- 2.5 mV, Mag +/- 1nT Static Spike Test: EM61 and Mag +/- 20% of standard item response, after background correction.

#### **1.6** Azimuthal Test (Magnetometer sensor systems only)

Purpose: Optimize sensor orientation to avoid optically pumped magnetometer sensor "Dead Zones". This test is performed to document the differences in readings based on sensor orientation with respect to the earth's local magnetic field. An illustration of the Azimuthal Test is given in **Figure 1**. A variety of sensor orientations should be evaluated, to minimize the observed deviation in amplitude, and reduce chances of encountering magnetic "dead zones" for cesium vapor magnetometers.

Acceptance Criteria: Sensor Orientation that minimizes the observed deviation in amplitude and is devoid of dropouts.





#### 1.7 Height Optimization

Purpose: Determine the sensor height that optimizes the target signal-to-noise ratio and maintains adequate sensitivity. This test is most often applied to magnetics, and for the GEM-3 instrument. It could also be used for an EM-61 used in harness or "litter" mode. A line is established with at least one test object along its length. Data is collected with the instrument using a minimum of three different sensor heights, and the height that best meets the objectives is selected.

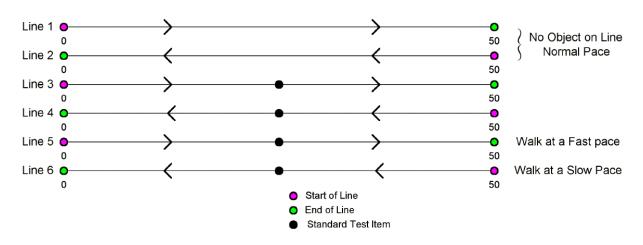
Acceptance Criteria: Maximum signal-to-noise ratio that reliably detects smallest target objective.

#### 1.8 Six Line Test

Purpose: Document latency, heading effects, repeatability of response amplitude, and positional accuracy. This test should be performed in an area relatively clear of anomalous response. The test line will be well marked to facilitate data collection over the exact same line each time the test is performed in accordance with **Figure 2**. Background response over the test line is established in Lines 1 and 2. A standard test item, such as a steel trailer hitch ball will be used for Lines 3 through 6. Heading effects, repeatability of response amplitude, positional accuracy, and latency are evaluated.

Acceptance Criteria: Repeatability of response amplitude +/-20%, Positional Accuracy +/- 20cm





**1.9 Octant Test (Heading Error Test for Magnetometer systems)** 

Purpose: Determine Heading effects (systematic shift based on direction of travel along the survey line). A magnetometer's response to ferromagnetic objects varies slightly according to the orientation of the sensor in relation to the console electronics and the operator. It is recommended that test be performed for all equipment and operator combinations.

A total of eight lines of magnetic data are collected, passing over the same central point. The arrangement of lines for the test is illustrated in **Figure 3**. The difference in the response over the central point documents heading effects.

Acceptance Criteria: Document heading error for post-processing correction.

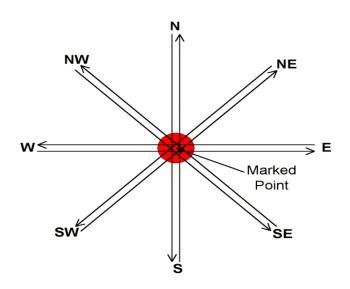


Figure 3

#### 1.10 Repeat Data

Purpose: Determine positional and geophysical data repeatability. One line per grid, or 100 feet per mile for transect or meandering path surveys, will be repeated before and after the survey. This repeat line should have the test standard placed at approximately the halfway point in an area lacking anomalous responses. The repeat line will be located at least 10 feet outside of the grid/transect/meandering path and parallel to the direction of travel.

When viewed in profile and compared to original data, repeat data provides a means of evaluating the ability of the instrument to respond consistently, and evaluates the positional accuracy of the data. Errors in positional repeatability outside acceptable tolerances indicate a problem in the method of navigation or navigational equipment operation. Errors outside acceptable tolerances for the amplitude repeatability response indicate a problem in the detector system or in the ability of the operator to perform an adequate survey.

Acceptance Criteria: Repeatability of response amplitude +/-20%, Positional Accuracy +/- 20cm

# ATTACHMENT C

### ATTACHMENT D

### **Geophysical Map Deliverable Format**

#### The results of the geophysical investigation will be submitted to the Corps as follows.

Dig list (in ASCII or Excel format) of selected targets shall include the target location given in the referenced coordinate system, the represented amplitude of response based on selection criteria, and any comments or details regarding target properties. Refer to **Attachment C**. The targets will be posted (spatially located) directly on the graphics rendered geophysical map.

- a. The following notes and instructions provide directions for creating geophysical maps for OE projects. The "Blocks" listed below correspond to the areas identified in Figure D-1. Maps will include all of the following basic map features in addition to any other necessary site information.
  - (1) General
    - (a) Map scales should be even multiples of the base units presented in the map.Example: for scales based on one inch being equal to X number of feet, the scale should be an even multiple of 12, e.g. 1:120 (or one inch = 120 inches = 10 feet)
    - (b) Map sizes should be designed to fit standard printer or plotter sizes. Preferred paper sizes for small maps are letter (8.5"x11") and tabloid (11"x17"). For larger maps, the preferred sizes are C1 (24" x 36") or smaller.
  - (2) Block 1: Title Block
    - (a) Use this area to provide Figure number, the map Title and sub-title (e.g. instrument and type/component) and the location of the information being presented (e.g. site/area name and property/grid ID).
    - (b) The fonts used here should be large.

- (3) Block 2: Map Display Area
  - (a) Grid ticks or grid lines should be visible and labeled, though these can be in small fonts to allow for as large an area as possible being reserved for the display of information
  - (b) The use of surrounds/frames is not required, and may be omitted to maximize the area reserved for the display of information.
  - (c) All symbols associated with anomalies and known cultural features should be identified. Abbreviated ID's may be used, though an explanation of the abbreviating method should be included in the legend notes (e.g. anomaly ID S1G1-001, anomaly #1 from grid 1 of sector 1, could be abbreviated to simply the number 1 on the map)
- (4) Block 3: Legend
  - (a) The legend should include all objects/symbols shown on the map.
  - (b) The following symbol conventions are preferred:
    - Open, unfilled circles for locations of anomalies picked from the data
    - Polygons with dashed lines for bounding areas with multiple/overlapping anomalies (e.g. used to identify area of a suspected burial pit)
    - "X" symbol for locations of known surface features
    - All other symbols should conform to either the Civil or Surveying and Mapping sections of the Spatial Data Standards for Facilities, Infrastructure, and Environment (SDSFIE).
  - (c) Color scale bars should use a color scheme that clearly differentiates between anomalies and background readings. Background values should be plotted in white or gray, so as not to distract the viewer. A classic "cold to hot" color scale

should be used with negative values plotted in blue and high positive values plotted in Red. The range of values should be "fixed" so that the same color scale is utilized across the site. The region of major interest is almost always near the detection/background limit, not the maximum or minimum values of the data set. A standard color scale for both the Geosoft, Oasis Montaj and Golden softwares Surfer mapping packages are available upon request form CEHNC.

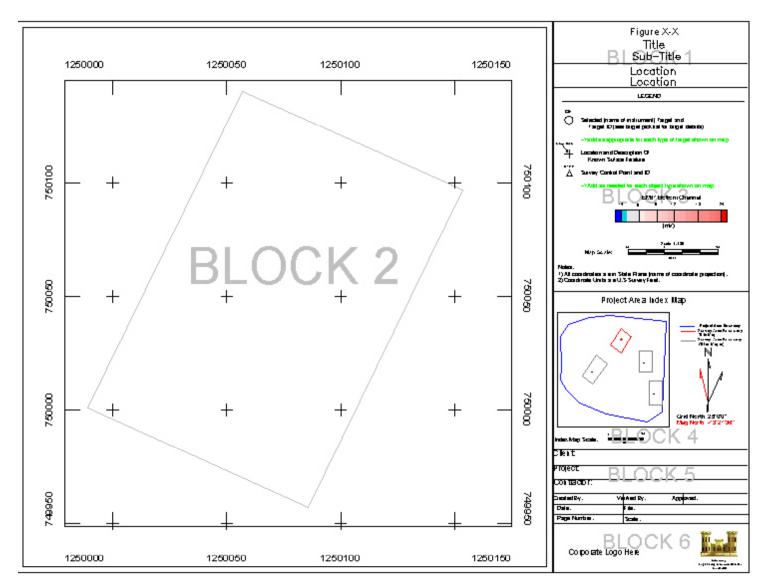
- (d) Clearly label the scale as the "Map Scale".
- (5) Block 4: Project Area Index Map
  - (a) Use this area to show direction arrows, including true north, magnetic north, and grid north
  - (b) Subject to client approval, the Index Map area may be omitted to provide more area for Area 3 (the Legend) and/or Area 2 (the Map Display Area).
  - (c) Clearly label the scale as the "Index Map Scale"
- (6) Block 5: Project Information Block
  - (a) Use this area to include pertinent project information. The minimum requirements are to have boxes for the following information:
    - Client
    - Project
    - Contractor
    - Map creator
    - Map approver
    - Date map was created
    - Map file name

### • Scale

- (b) The map file name should include the full path and file extension.
- (c) The scale should match that shown in the legend.
- (7) Block 6: Logos
  - (a) Include one of the USACE Castle logo in the lower right corner of the page
  - (b) The words U.S. Army Engineering & Support Center, Huntsville should be visible below the castle logo
- (8) For submittals, the contractor will provide maps in editable form (if available, e.g. Geosoft .map or Surfer .plt formats) and map images in a common image format, such as JPEG, for viewing without the software used to produce the maps.
- b. Site maps showing the location of the data and relevant physical/cultural features in addition to the basic map features. Often physical features can cause a response in the geophysical data. Fixed location features are also useful for relocating grids established with a local coordinate system. The digital files must be in a format compatible with GIS (ArcView) software.
- c. Additional site information to support mapping should be provided if available.
  - (9) Details of several methods of positioning using site information can be used. If a local grid system is used, physical feature maps created in the field during data acquisition noting the location of the features with reference to the local grid coordinates must be included.
  - (10) Additional GPS data to identify points or features of interest. If GPS is used to shoot in points and/or boundaries of cultural features this can be presented with gridded RTK GPS geophysical data.

- (11) Georeferenced aerial photographs of the site can be presented or superimposed with geophysical data when positioned with GPS or surveyed corners. Broad scale surface features can sometimes be matched with geophysical anomalies, combining two highly informative visual representations of the site.
- (12) Known cultural features with anomalous responses in the geophysical data should be marked out on the maps and noted within the accompanying report text.
- (13) Presentation of digital elevation models.
- (14) Additional geologic information or geophysical data collected using other methods. This information is useful for broad scale interpretation of data collected at buried munitions sites. Geologic background responses may be visible in the geophysical data and are more easily identified with additional site information.





Example Map Showing features to be included in Geophysical Maps

### **APPENDIX B**

### **CEHNC-OE**

### Corps of Engineers Contractors OE Scrap/Range Residue Inspection, Certification, and Final Disposition Procedures

### I. OE Scrap/Range Residue Inspection – Contractor Responsibilities and Procedures

1. U.S. Army Corps of Engineers (USACE) contractors executing projects will comply with the following procedures for processing OE Scrap/Range Residue for final disposition as scrap metal. The objective of these procedures is to ensure that an inspection procedure of the exterior and interior surfaces of all recovered items is in place to ensure these items do not present an explosive hazard. These USACE contractor responsibilities and procedures will be contained in the project work plan.

- a. Unexploded Ordnance (UXO) Sweep Personnel will only mark suspected items and will not be allowed to perform any assessment of a suspect item to determine its status.
- b. Unexploded Ordnance (UXO) Tech I will only tentatively identify a located item as scrap or OE.
- c. UXO Technician II will:
  - (1) Inspect each item as it is recovered and determine the following:
- Is the item a UXO or a component of a military munition?
- Does the item contain explosives or other dangerous materials?
- Does the item require detonation?
- Does the item require demilitarization (demil) or venting to expose internal fillers?
  - (2) Segregate items requiring demil or venting procedures from those items ready for certification.

- (3) Items found to contain dangerous fillers will be process in accordance with applicable procedures.
- d. UXO Technician III will:
  - (1) Inspect recovered items to determine if free of dangerous fillers.
  - (2) Supervise detonation of items found to contain dangerous fillers and venting/demil procedures.
  - (3) Supervise the consolidation of recovered scrap metal for containerization and sealing.
- e. UXO Quality Control (QC) Specialist will:
  - Conduct daily audits of the procedures used by UXO teams and individuals for processing OE Scrap/Range Residue.
  - (2) (2) Perform and document a minimum of 10% random sampling of all scrap metal collected from the various teams to ensure no items of a dangerous or explosives nature are identified as scrap metal.
  - (3) Perform these random checks to satisfy that OE Scrap/Range Residue is free from any explosive hazards, necessary for completion of the Requisition and Turn-in Document, DD Form 1348-1A.
- f. UXO Site Safety Officer (UXOSO) will:
  - (1) Ensure the specific procedures and responsibilities for processing OE Scrap/Range Residue for certification as scrap metal are being followed, performed safely, consistent with applicable regulations, and in accordance with the USACE-approved project work plan.
  - (2) Perform random checks of processed OE Scrap/Range Residue scrap to ensure items being identified as scrap are free from any explosive hazards.
- g. Senior UXO Supervisor will:

- Be responsible for ensuring work and Quality Control (QC) Plans specify the procedures and responsibilities for processing OE Scrap/Range Residue for the final disposition as scrap metal.
- (2) Ensure a Requisition and Turn-in Document, DD Form 1348-1A is completed for all scrap metal to be transferred for final disposition.
- (3) Perform random checks to satisfy that the OE or range residue is free from explosive hazards, necessary to complete the DD 1348-1A.
- (4) Certify all scrap metal generated from OE Scrap/Range Residue as free of explosive hazards.
- (1)
- (5) Be responsible for ensuring that these inspected materials are secured in a closed, labeled and sealed container and documented as follows;

(6)

- The container will be closed and clearly labeled on the outside with the following information: The first container will be labeled with a unique identification that will start with USACE/Installation Name/Contractor's Name/0001/Seal's unique identification and continue sequentially.
- The container will be closed in such a manner that a seal must be broken in order to open the container. A seal will bear the same unique identification as the container or the container will be clearly marked with the seal's identification if different that the container.
- A documented description of the container will be provide by the contractor with the following information for each container: contents, weight of container, location where OE Scrap/Range Residue was obtained, name of contractor, names of certifying and verifying individuals, unique container identification, and seal identification, if required [see paragraph I. 1.g. (5)]. These documents will also be provided by the contractor in a separate section of the final report.

### II. OE Scrap/Range Residue Certification and Verification

1. The contractor will ensure that scrap metal generated from OE or Range Clearance is properly inspected in accordance with the procedures in I. above. Only personnel who are qualified UXO personnel per USACE's

Contract Data Item Description (DID) OE-025 will perform these inspections. The Senior UXO Supervisor will certify and the USACE's OE Safety Specialist will verify that the scrap metal is free of explosive hazards.

- DD form 1348-1A will be used as certification/verification documentation. All DD 1348-1A must clearly show the typed or printed names of the contractor's Senior UXO Supervisor and the USACE's OE Safety Specialist, organization, signature, and contractor's home office and field office phone number(s) of the persons certifying and verifying the scrap metal.
  - a. Local directives and agreements may supplement these procedures. Coordination with the local concerns will identify any desired or requested supplementation to these procedures
  - b. In addition to the data elements required and any locally agreed to directives, the DD 1348-1A must clearly indicate the following for scrap metal:
    - (1) Basic material content (Type of metal; e.g., steel or mixed)
    - (2) Estimated weight
    - (3) Unique identification of each of the containers and seals stated as being turned over.
    - (4) Location where OE Scrap/Range Residue was obtained.
    - (5) Seal identification, if different from the unique identification of the sealed container.
  - c. The following certification/verification will be entered on each DD 1348-1A for turn over of scrap and will be signed by the Senior UXO Supervisor and the USACE OE Safety Specialist. *"This certifies that the material listed has been 100 percent properly inspected and, to the best of our knowledge and belief, are free of explosive hazards."*

### III. Maintaining The Chain Of Custody And Final Disposition

The contractor, in coordination with the Corps of Engineers, will arrange for maintaining the chain of custody and final disposition of the certified and verified material. The certified and verified material will only be released to an organization that will:

- a. Upon receiving the unopened labeled containers, each with its unique identified un-broken seal ensuring a continued chained of custody, and, after reviewing and concurring with all the provided supporting documentation, sign as having received and agreeing with the provided documentation that the sealed containers contained no explosive hazards when received. This will be signed on company letterhead and state that the contents of these sealed containers will not be sold, traded or otherwise given to another party until the contents have been smelted and are only identifiable by their basic content.
- b. Send notification and supporting documentation to the sealed container-generating contractor that the sealed containers have been smelted and are now only identifiable by their basic content.
- c. This document will be incorporated by the contractor into the final report as documentation supporting the final disposition of this scrap metal.

### APPENDIX B HISTORICAL FIELD DOCUMENTATION

EE/CA INTRUSIVE INVESTIGATION DAILY REPORT/SUMMARY TABLE FOR LAKEVIEW SUBDIVISION

 $\square$ 

### DAILY FIELD REPORT Former Camp Butner EE/CA Investigation -Intrusive Investigation

JOB NO:	741291 Task .06000 (brush cut sub & related UXO Support)	DATE/DAY: 08/21/2002
	741291 Task .08000 (land survey sub and geo investigation)	REPORT NO: 11
	738001 Task .09000 (intrusive field work and support)	SHEET: 1 of 1
LOCATION:	Butner, NC - Durham, Granville, Person Counties	CLIENT: USAESCH, Roland Belew (PM)
ORK IN PROCE	ESS OR COMPLETED.	Weather: Sunny, 90F

### WORK IN PROGRESS OR COMPLETED: 1. Intrusive Investigation

0	Area 1 - Cantonment Area and Vicinity (3300 acres/Intrusive acres)	0
0	Area 2 - Ammunition Storage Area and Dump (7 acres/Intrusive acres)	0
0	Area 3 - Grenade Training Ranges (5 acres/_ Intrusive acres)	5.29
1.61	Area & Armenitic B. Lin D. Lin	6.67
0	Area 5 - Remaining Land (10,372 acres/_ Intrusive acres) Area 5 - Remaining Land (10,372 acres/_ Intrusive acres)	3.22
1.61	Dave Intruside Investigation Distant	0.23
-	Grids A4G92362773442451/361/37 and -1/38 were intrusively investigated	15.41

### 2. Mag and Flag

0	Area 1 - Cantonment Area and Vicinity (3300 acres/Mag/Dig acres)	
0	Area 2 - Ammunition Storage Area and Dump (7 acres/_ Mag/Dig acres)	0
D	Area 3 - Grenade Training Ranges (5 acres/Mag/Dig acres)	0
0	Area 4 - Ammunition Training Ranges and Impact Areas (21,950 acres/ Mag/Dig acres)	0
)	Area 5 - Remaining Land (10,372 acres/ Mag/Dig acres)	0
)	Dava Geophysics Dataile:	0
	ACREAGE Totals >>>>	0

	5	PARSON	SWORKFORCE			On-site	EQUIPMENT
John Kertesz - Site Manag	er. Cell Phor	ne: 919-69	90-5828				03ED
			X: 919-620-9043			Yes	
Kerry Singler - UXO QC/S	afety (UXO	#0262) C	ell Phone: 919-690-5427				
Reacquisition (Recon) Te			11010.017-070-0427			Yes	
Jae Yun - Recon/Reacquis		-		1		On-site	
Steve Czekalski - Recon/R	luon					Yes	RTK-GPS unit
Steve Czekaiski - Recon/R	eacquisition					· Yes	
			ONTRACTOR RK FORCE				
UXO Subcontractor - US	A Environm	ental					
Robert Davison - SUXOS	(UXO # 0246	5). Cell Pl	hone: 813-695-4389			E	QUIPMENT
Team 1	UXO#		Team 2	UXO#	On-site		USED
Dennis Letcher - Tech III	370	Yes	Robert Shauger-Tech III	278	Yes		Salara da la
Richard Funk-Tech II	150	Yes	Charles Lyon-Tech II	902	Yes	Schonstedts Use of Parsons' Budlight (2)	
James Hunt-Tech II	1001	Yes	Lowell Martin-Tech II	803	Yes	Use of Pa	arsons Budlight (2)
Jerome Keeler-Tech II	e Keeler-Tech II 141 Yes Norbert McNally-Tech II 392 Yes						
			Dorrell Potts-Tech II	55	Yes		
lay Land-Tech II	1055	Yes	James Royalty-Tech II	981	Yes		
X	Morning H	& S Meet	ting Briefing.		Conversions	: 100x100 grid =	

X	Morning H &	& S Meetin	g Briefing.

Conversions : 100x100 grid = .23 acres.

### ADDITIONAL INFORMATION:

Intrusive activities were conducted in and around Cash property and Robert Chapel Rd. Prior to digging activities, Parsons verified (by knocking on doors) that all occupants had vacated their homes. Road guards were set up at both ends of Robert Chapel Rd. to notify dig teams of oncoming traffic, in which case all intrusive activities ceased. Evewitness News 11 (ABC) was anonomously notified of excavation scheduled at Lakeview subdivision and sent cameraman and reporter to site for-interviews with local families and Corps. At approximately 1100, Team 2 unburied a 37mm HE round fuzed and armed (Anomaly ID A4G1436-24) about 4 inches deep and 37 feet away from Cash house. Demo-ops included notification to Public Safety and Granville Sheriff's Depriment; and a sand barricade surrounding the round prior to demolition. At 1444. 37mp HE round was successfully expended. Cash and Vos residences were notified by telephone of results from intrusive activities. (r. Peny Tunstall as verbally agreed to sign ROE and allow grids to be installed. Parsons and Corps, visited Peny Tunstall's property to identify areas where grids will be placed.

Parsons has pulled remainder of pin flags left at the Umstead State farm so that temporary fence barrier can be removed and cows may return to pasture. R Evans was notified that Parsons has completed digging in Area 3 for now

All other site details recorded in field logbooks. ACTIVITIES SCHEDULED FOR NEXT WORK DAY: Intrusive activities to continue in Area 3 and Area 4.

### REQUEST FOR PROJECT ACTIO None.

VISITORS:	D.Silkebakken, R.Belew, J.Baden, and	J. Walker
ACCIDENTS REPORTED	TODAY 0	Taka Masura
ACCIDENTS TO DATE	0	John Kertesz PARSONS I&T REPRESENTATIVE

EE/CA Investigation of Lakeview Subdiv

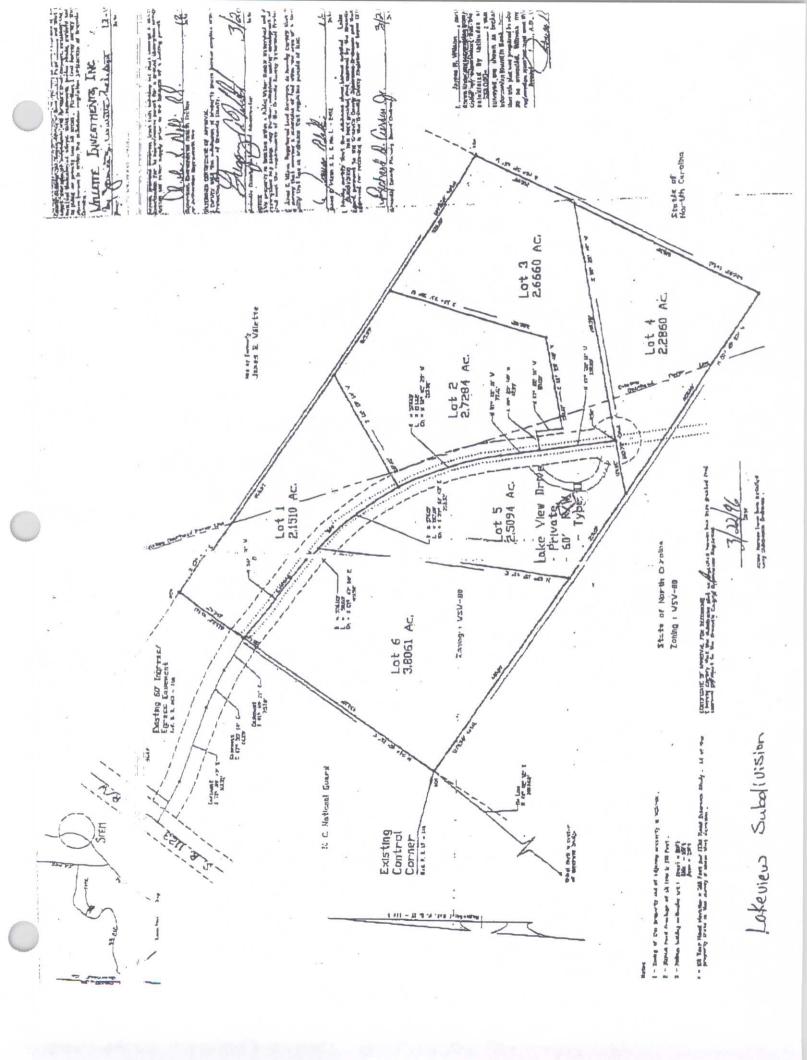
			Notes -			Total	Date	Number	Range of	Number	Number Description	E	Within Within Number	111
1	und Survey	Grid Size	and Survey Grid Size Terrain, Stope	Geo Survey	Instrument	Geo Survey Instrument Anomalies Intrusive	_	of OES	OES Depth	'n	nxo	Other	of OFS of NOFS	CES E-1
Grid ID	(Acres)		Reassigned	Date	Used	Investigated	Investigated Investigation	Anomalies	(inches)	UXO	Items	Findings		
													+	+
	0.36	135%100°	0' Cash Property - New Grid	04/16/2002	EM-61	30	08/21/2002	2	2"	-	No. of Concession, Name	UXO/055 37mm HE BIP from anomaly #24. 60mm mortar fins. NOES = leaf sorting nails chain stowa lag. 4 few hot roots.	10/ 6	12
A461437	0.10	45'x100'	Cash Property - New Grid	04/16/2002	EM-61	52	08/21/2002	0	NA	0	Г	All NOES - plow blades, handling, chain, wire, naits, mice.	27 NO.1	10.00
110128	0.23	100/21001	01 Adjacent to Cash Property - New Civil - Voss	ALL 8-3003	17712		PART 1 200	-		~			0.00 28	DOV:97
	I		sing - nito many - frind or y man or monifor (		10-MIT		UNATIANUA.	>	VN	2		All NUES - For sestion, large steel loop, unidentimable scrap metal, few hot rocks.	0.00 13	13.00
	1						-							+
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							acres						-	

LAKEVIEW SUBDIVISION PLAT

0

 $\bigcirc$ 

0



MINIMUM SEPARTATION DISTANCE

0

### Minimum Separations Distances (MSD) Former Camp Butner, Durham, North Carolina

Sector	MPM	MSD <sup>1</sup> /MSD <sup>2</sup> (feet)	Other Potential OE Contamination
Lakeview Subdivision Time Critical Removal Action	37mm HE Projectiles	980/980	20mm - 155mm HE Projectiles, 60mm - 240mm mortars, 2.36- inch rockets.

MPM = Most Probable Munition

 $MSD^1$  = Minimum Separation Distance required for all non-essential/non-UXO personnel and the general public during intrusive operations.

 $MSD^2$  = Minimum Separation Distance required for all personnel during intentional detonation if no engineering controls applied.

CONTRACT NO: DACA87-00-D-0038 DELIVERY ORDER: 0028 REVISION NO. 0 04/20/2003

### Silkebakken, Don

From:
ent:
J:

Cc:

Subject:

Michelle.M.Crull@hnd01.usace.army.mil Friday, November 08, 2002 9:49 AM Roland.G.Belew@hnd01.usace.army.mil; William.H.Zehrt@hnd01.usace.army.mil; Sherene.M.Rizvi@hnd01.usace.army.mil; Sherene.Rizvi@sam.usace.army.mil; Vicky.L.Spivey@HND01.usace.army.mil Sam.S.Sang@hnd01.usace.army.mil; James.Walker@hnd01.usace.army.mil RE: MPM distances



ATTACHMENT.TXT (2 KB)

The 1181 ft was based on an explosive weight of 0.53 lbs. USATCES questioned this explosive weight. They sent me two separate references showing the explosive weight was 0.053 lbs as opposed to the 0.53 lbs in the reference I had. Since the 0.053 lbs fits the case better and we had two references showing this weight we assumed the 0.53 lbs was a typo and re-did the calculations. Based on the new calculations the maximum fragment distance for the 37mm Mk II is 980 ft. Michelle

> -----Original Message-----> From: Belew, Roland G HNC > Sent: Wednesday, November 06, 2002 1:01 PM > To: Zehrt, William H HNC; Rizvi, Sherene M HNC; Rizvi, Sherene SAM; > Spivey, Vicky L HNC > Cc: Crull, Michelle M HNC; Sang, Sam S HNC; Walker, James HNC > Subject: RE: MPM distances > Bill, I am not requesting a reduction. I am requesting the frag radius which Michelle did for the EECA at 1181 but Jim Walker said that was reduced on your end to 980 ft as a result of additional testing. Jim > can you relay where you got 980 from. > Roland Belew > U.S. Army Engineering and Support Center > P.O. Box 1600 > Huntsville, Alabama 35807 > (256) 895-1553 Desk > (256) 426-3717 Cell > Please include the Job Site Name in you email subjects... > > << Message: RE: MPM distances >>

### Minimum Separation Distances Camp Butner 37 mm Mk II 8 November 2002

### REQUESTED BY: Roland Belew PREPARED BY: Steve Wright

This form shows calculated distances only. It does not constitute approval. Concurrence of CEHNC-OE-S is required to determine the applicable distance for a specific site.

In accordance with (IAW) EM 1110-1-4009, the minimum separation distance for unintentional detonations shall be the largest of the maximum fragment range, the K50 (50W<sup>1/3</sup> where W is the total net explosive weight for the detonation) overpressure distance or 200 ft. In accordance with (IAW) EM 1110-1-4009, use of the range to no more than 1 hazardous fragment/600 sq ft as the minimum separation distance for unintentional detonations requires written justification, a risk analysis, calculation of this distance by CEHNC-ED-CS-S, and concurrence of CEHNC-OE-S.

IAW EM 1110-1-4009, the minimum separation distance for intentional detonations shall be the largest of the maximum fragment range, the K328 (328W<sup>1/3</sup> where W is the total net explosive weight for the detonation) overpressure distance or 200 ft.

CALCULATED FRAGMENT DISTANCES

Maximum Fragment Range = <u>980</u> ft Range to No More Than 1 Hazardous Fragment/600 sq ft = <u>200</u> ft

CALCULATED OVERPRESSURE DISTANCES BASED ON OE ITEM'S EXPLOSIVE WEIGHT ONLY (i.e. NO DONOR CHARGE)

Range to 0.9 psi Overpressure (K50) =  $\underline{20}$  ft K328 Overpressure Range =  $\underline{131}$  ft (based on munition NEW only, no donor)

The primary fragmentation characteristics used in the calculation of the values listed above were computed IAW CEHNC-ED-CS-S-98-1. The maximum fragment range was calculated using the maximum weight fragment and the initial velocity from these characteristics in the computer software TRAJ. The range to no more than 1 hazardous fragment/600 sq ft was calculated IAW CEHNC-ED-CS-S-98-2.

NOTE THAT ALL MITIGATION METHODS FOR INTENTIONAL DETONATIONS ARE BASED ON THE USE OF COMMERCIAL SHAPED CHARGES FOR INITIATION. IF ANY OTHER DONOR CHARGE IS TO BE USED THIS INFORMATION MUST BE PROVIDED TO CEHNC WITH A REQUEST FOR NEW CALCULATIONS!

### Minimum Separation Distances Camp Butner 37 mm Mk II 8 November 2002

### SANDBAG ENCLOSURE FOR INTENTIONAL DETONATIONS

Required Sandbag Thickness =  $\underline{12}$  in. with 6" standoff between munition and sandbags Sandbag Throw Distance =  $\underline{25}$  ft Minimum Separation Distance =  $\underline{200}$  ft

The required sandbag thickness and the sandbag throw distance were calculated IAW CEHNC-ED-CS-S-98-7. 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 available on site.

### WATER MITIGATION FOR INTENTIONAL DETONATIONS

Water Containment System (see HNC-ED- CS-S-00-3)	Minimum Separation Distance (ft)
Inflatable pool	200
5 gallon carboys	200

The water containment system and the minimum separation distance were determined IAW HNC-ED-CS-S-00-3. A copy of HNC-ED-CS-S-00-3, "Use of Water for Mitigation of Fragmentation and Blast Effects Due to Intentional Detonation of Munitions" must be available on site

MINIMUM SEPARATION DISTANCES WHILE USING MOFB DURING INTRUSIVE ACTIVITIES

Design of the Miniature Open Front Barricade (MOFB) is in accordance with HNC-ED-CS-S-98-8, "Miniature Open Front Barricade". A copy of this report must be available on site. DDESB has placed certain restrictions on the approved usage of the MOFB. These are listed in the approval letter in the front of the report.

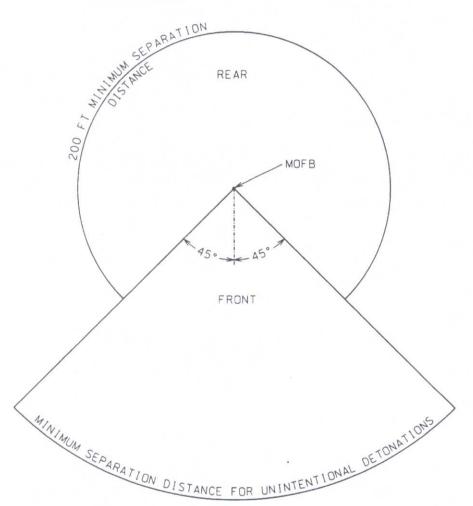
Thickness of Aluminum Required to Prevent Perforation = 0.79 in

The MOFB is designed to defeat fragments to the rear and sides of the MOFB in the case of an accidental/unintentional detonation during intrusive activities. The fragment distances to the front of the MOFB are the same as the fragment distances without the MOFB (see figure). The MOFB is not designed to reduce the effects of blast overpressure. The MOFB may not be used for intentional detonations. The minimum separation distances to the rear and sides of the

### Minimum Separation Distances Camp Butner 37 mm Mk II 8 November 2002

MOFB must be maintained based on the expected throw distance of the MOFB itself.

Minimum Separation Distance to sides and rear = 200 ft Minimum Separation Distance to front = 980 ft K50 distance = 20 ft



MINIMUM SEPARATION DISTANCE FOR UNINTENTIONAL DETONATIONS USING MINIATURE OPEN FRONT BARRICADE DURING INTRUSIVE ACTIVITIES

SIGNATURES:

Subject Matter Expert

Date

**QA** Reviewer

Date

PROJECT-RELATED NEWSPAPER ARTICLES

0



GOVERNMENT AMALYZING TOWN WORD

# **Residents upset** in Butner over old ordnance

Locals say tales are common of people finding shells while hunting or planting gardens

> BY HUNTER LEWIS Paule rows All-Sal SI

BUTNER Dathass policie affective Kimberly and Datasy Cash throught they had briaght their dream house at years ago -- that is, until their 9-year-old win priced up a live baceolar around while rability leaves at their front yord to Neweppler. Since them, the Cachoe have Sound three more

shalls or pieces of them, latching a live 27 reps halts or pieces of them, latching a live 27 reps halt explosive shall uncoversal and safely desuart ed Wednamlay by the U.S. Army Carps of Engi-

"This is any dream harm that yout tarsed into a dataset," and Kambury Cash, clarifying her 2-year-ids ann, Reserve Thursday. The Chabar finds are not uncommon around But

the same, topose, on contraster, The Cable's finds are not uncommon around Bur ter: Startan abound in this nown of \$1000 of people startsburg serves old bullets and shells, some as big as 155 rms, while powering their fields, or harsting in the forests in this part of southern Granville County

by: The Artny built a 40,000-mere tense here in the 1946s to hence and trues 40,000 soldiers for World War II Along with bertacks, an Arity heightst and a prinner-of vair datify were a grounde range and 15 Artifuctifian Iraining tranges. And the Catheof beam — unbakerwangt to them when they bought if — wit part setside the theget same for use of these shift causes.

— with just outside the thégist assum for case of iteres old ranges. The Cambras won't het their six children walk in the weath or play on their play protond anymore. "We can't let thein feesh this chickness or the draps, because we don't husses withit's walder the ground." she sand "this groups to take somecone to die to senior this on itener. I don't feel aske being horn." Since this spring of 2000, Parrents like, die engl-meering form hirred by the Corps, has studied and warvesvet the 40,000 aeries of the farmer Champ Por-ter to determine how consummented the logid is with uniteness and explorates. Phy Jorupary, Corps and Pursens uffluents my, they

to testi a unit dependence of the sense of these say, thuy Will have a defailed document, cutled as register any evaluation for one sense of the sense of dependence of demands and cost to clean up bandreak of deaths and ABBRED.

"Is assight the area, Parwers workers mort sever-at 103-by-100 foot grids. Then with bacalachi Giot-# Postilating Systems and an industrial-arrength metal detector, warkers scan the grid. Since Aug

DANKA HAR SHELLS I BJ

-

Taylor Cash, now 10, found a live bacoolia round in the yard of the horse to shares with his parents and five shalings in bloverriper. The Cash family recently had parts of their yard checked after another round was found and deconsteal (where the sand is on the right edg a ni

### FRIDAY, AUGUST 23, 2002

## SHELLS

### FROM PAGE BI

 they have found more than 1,000 pounds of horseshoes, piow blades and nails — and at least 200 fragments, fuses or entire shells of explosive devices.

Loggers found a live 155 mm shell Thursday in the woods north of the Cashes' home. The 37 mm shell found Wednesday inside one of these grids sat 11 yards from the Cashes' front door.

Corps officials assure the family and the other people living on old Camp Butner property that their land will be rid of at least 95 percent of explosives once the cleanup is finished.

But Cash and her neighbors in the 13-acre Lakeview Estates subdivision want their property cleaned up now.

"I don't want to live here, and I don't want to go home," Cash said. "My family could be sleeping on top of 80 mm shells."

Roman and Frances Vos moved next door to the Cashes in 1997. They said they bought their home for the "quiet and serealty."

"When we bought the property, (the fact that this was once an aminumition range) was not disclosed to us," Roman Vos said. "If I had of known, we would have passed."

The Voses have hired a lawyer to uncover why there was no disclosure of the munitions.

Frances Vos, a retired Umstead Hospital nurse, said she was tired of "old-timers in the area saying, "[the munitions] have always been there."

"Sometimes in America, people

and the second second second second



Kimberly Cash demonstrates where the head of a bazooka round would have been on an old round that her sons found detonated in their yard in Butner.

say, "Oh, it's always been that way," she said. "But when a kid gets blown up, they say, 'Now we have a problem."

In 1983, two 8-year-old boys in San Diego died when a 37 mm shell they brought home and tiakered with exploded. And a 9year-old child blew off an arm two years ago when he pucked up a live shell. The San Diego incident spurred legislative action, and in the late 1980s, a federal program was created to start cleaning up areas around old military training grounds.

John Baden and Roland Belew, officials with the Corps who have worked on several cleanup projects nationwide, assured the Cashes and the Voses at a meeting Thursday right that they will focus their immediate attention on the Lakeview neighborhood.

"Tm sympathetic," Belew and. "We're here to help, and we will do so as fast as we can."

Baden and Belew could not set a timetable for how long the immediate roundup of surface ordnance would take. Their first hurdle is securing money from the federal government to fund the cleanup. No small feat, they said, because there is little money to be found.

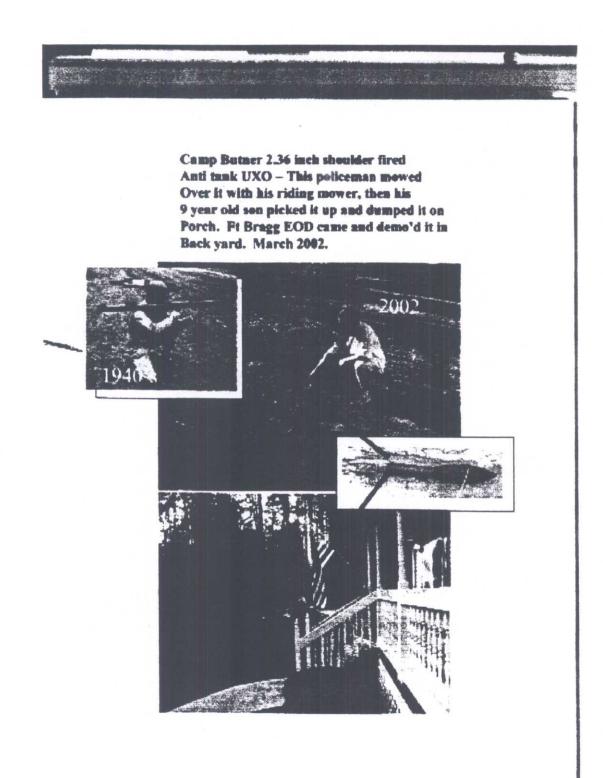
But Kimberly Cash urged them to hurry

"If it was your children, would you let them stay in my house?" she asked

Corps officials urge people who discover ordnance to stay away from it and call local authorities. On the Net: www.parsons.com www.projecthost.com

THE HERALD-SUN | DURH

LOCAL



# Old explosives, new jitters in Butner

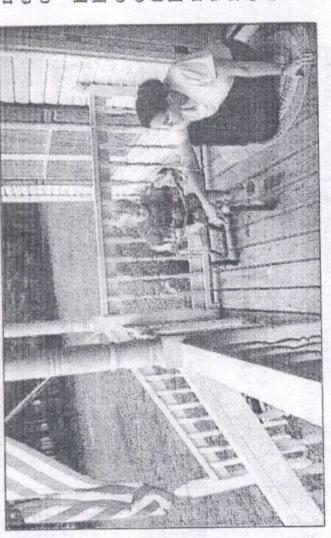
# Former Army post can't bury its past

# BY RICHARD STRADLING STAFF WRITER

**BUTNER –** Nearly 60 years ago, Army soldiers preparing to fight World War II fired a 37 mm shell over the Camp Butner artillery range, where it landed in the soft earth. Two weeks ago, contractors for the Army came back to detonate the shell under a pile of sandbags about 35 feet from Kimberly and Danny Cash's house.

The shell is one of five pieces of live ammunition that the Army Corps of Engineers has found since it began searching the old artillery range last month. The corps is sampling a fraction of the 40,000-plus acres that were part of Camp Butner to determine whether anything the Army left behind poses a danger to people who live there now.

People have been turning up bullets and rusted fragments of



Kimberly Cash watches her son Justin as he plays on the front porch of the family home. The yard is now off-limits.

STAFF PHOTO BY SHER STONEMAN

grenades and shells in their woods, fields and yards since the Army closed Camp Butner in 1947 and sold more than half the land back to its original owners. But now the tree-lined country

But now the tree-lined country roads of the old camp are attracting a new wave of residents

from the Triangle who might not know about the camp's past. The population of the Butner area has grown about 40 percent to about 14,000 since 1990, and dozens of new homes peek out from the woods. The Cashes worry that it's just a matter of time before a

new homeowner or backhoe op erator hits a live round like the one found in their yard.

The Cashes, both Durham police officers, said they bought thei house on two acres in 1998 be cause they wanted to give thei children room to run. They said they had no inkling the land coulhave been part of an artiller range until Taylor Cash, 9, rake up an intact bazooka round lafall. Then, in May, Danny Cash u covered a portion of a bazook shell just behind the house.

Now the couple confine the six children, ages 5 months to 1 years, to the porch or the co crete driveway, afraid to let the use their trampoline, swing s or the white gazebo where th Cashes were married. Rejuv nated by recent rains, the u mowed grass is nearly knee hig "We're really considering lea

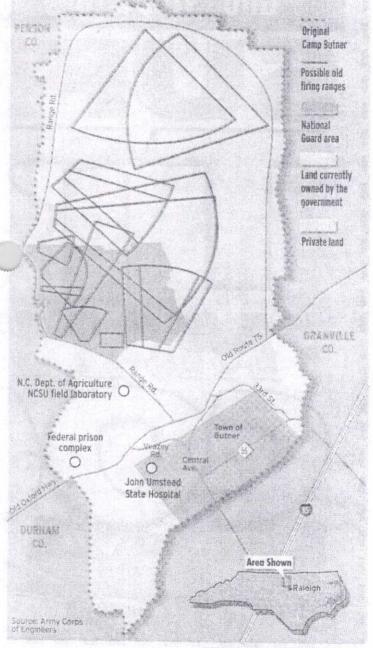
ing the property, walking away Kimberly Cash said. "I will neve ever feel safe in this house again

SEE BUTNER, PAGE 14A

THE NEWS & OBSERVER \*

### FORMER CAMP BUTNER

Established in 1942, Camp Butner covered 40,384 acres. Most of the land went back to private use after the base was closed in 1947. The Army Corps of Engineers is concentrating its search for explosives and other debris on the old artillery ranges, except for the N.C. Army National Guard training area.



WOODY VONDRACEK / The News & Observer

# BUTNER

CONTINUED FROM PAGE 1A

She fears a repeat of what happened in San Diego in 1983, when a tank shell on a former Army training range exploded in a subdivision, killing two 8-year-old boys. That incident helped prompt the Army to begin assessing what might be buried at more than 250 former military properties.

Last month, contractors hired by the corps began combing Butner using magnets and a global positioning system to search for what they call anomalies, "objects you wouldn't expect to see in the ground," said corps spokeswoman Penny Schmitt. The search, which will continue through November, covers the federal prison complex, John Umstead Hospital and various other state institutions, but excludes the 4,750-acre N.C. Army National Guard training camp.

The corps will report its findings next July, along with a recommendation of whether the Army should do more to clean up the area and an estimate of what it might cost. So far, in addition to the shell next to the Cash house, the corps has found and detonated 57 mm, 105 mm and 2.36-inch shells, Schmitt said.

Clarence Riley isn't surprised. In 1949, Riley earned 90 cents an hour on a crew of civilians that helped the Army clear shells and debris from the old Butner artillery ranges. He remembers coming across a shell that was 3 feet long and as big around as a fivegallon bucket.

"When they blew that one, you could hear it for five or six miles," said Riley, 73, who still lives on the family farm outside the former camp. "We got a right good ways back from that."

Riley said the crew inevitably left explosives behind, because they cleared only what they could see.

"We weren't going to rake all that ground to see what was under the leaves or the vines," he said. "There's still some spots up there that I would hesitate to go in."

The Army has spent about \$2.3 million on the Butner study so far; the final cost depends on how much the engineers uncover. The Army doesn't have money for cleanup, though, which is why the Cashes remain in limbo.

When the Army sold Butner



Kimberly Cash holds the nonexplosive portion of shell her husband found. STAFF PHOTO BY SHER STONEMAN

back to its original owners, it placed covenants on the deeds restricting use of the land to the surface only, according to a 1993 corps report. Over the years, any mention of the artillery range and what might lie in the soil was dropped from many deeds, Schmitt said.

Some residents are ambivalent about the Army's legacy. Claude Campbell has lived inside the boundaries of the old camp for eight years but had not thought much about it until recent news accounts of the corps study. He recently moved into a new house along a stretch of Range Road that is lined by new homes and signs advertising land for sale.

"I guess it doesn't concern me," said Campbell, who runs the electronic systems at the federal prison. "I don't know if they did any bombing down this way."

But B.J. Elmore thinks it's a miracle no one has been killed on the range.

Elmore, who works for Xerox in Research Triangle Park, has lived off Range Road for 9½ years and keeps two exploded mortar rounds on her bookshelf. They look like rusted pipes with fins and one end "peeled back almost like a banana," she said. She stubbed her toe on one and hit the other with a lawn mower.

"We know it's here," she said. "We take a chance every time we dig a hole in the ground to put a fence post in. You never know."

Staff writer Richard Stradling can be reached at 829-4739 or rstradli@newsobserver.com.

# Corps clearing ammo in 26-acre Butner area

### BY HUNTER LEWIS hlewis@heraldsun.com; 419-6651

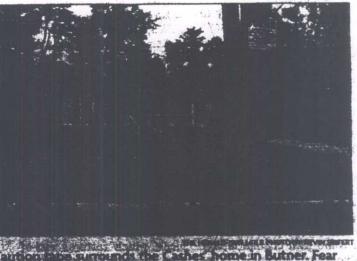
BUTNER - The U.S. Army corps of Engineers began digging Tuesday in a rural neighborhood labeled "high risk" after workers and residents found two unexploded artillery shells and several pieces of exploded shells.

The 26-acre area, including Language of the second state of the second sta of an old World War II artillery In August 2002, the curus i range The fitting tange was one of 15 this existed in the 1980s, when the 40,000 acre Camp bin ner housed and trained about found a five 155 mm shell in the stand combat, please see BUTNER | A2 ... the Corps of Edgin

The \$600,000, five-week survey and dig off Lakeview Drive follows a spot survey the corps did last spring and summer on the old Army installation. The investigation revealed about 12 explosive objects, including some in the subdivision.

Engineers began focusing Lakeview Drive in late 20 when 9-year-old Taylor Cash picked up an exploded bazooka shell and placed it on his fami ly's porch.

40,000 U.S. Althis troops for whode north of the contract of the state



# BUTNER

### FROM PAGE AT

home.

"When we find two [unexploded] items, yes, we consider that risk high," said John Belew, project manager with the corps. "There's no way that you cannot say there's a risk there if you find

two live items in a person's yard." Fearful of schot, may lie beneath their bound and in their yard, Kimberly and Damy Cash moved their six children to a Creedmoor apantment in the fall.

"You want to go to sleep feeling like you'll be there and wake up in the morning "said Kimberly Cash, a Durbano police officer.

In what is called a Time Critical Removal Action, engineers will clear balls a state duty metal detectors to locate old shells in the neighborhood down to 6 inches below the surface. If ... an unexploded shell is found, the corps will alert residents and move them to a hotel. Engineers will then uncover the shell which may range in size from a shell shot from a bazooka to one shot from a long cannon - and detonate it beneath wood and a pile of sandbags.

No shells were detonated Thesday, but Butner Public Safety officers stopped traffic outside of the subdivision for 15 minutes so workers could dig near Robert's Chapel Road, Belew said.

If the current survey reveal evidence of widespread contamination of explosives, the corps will continue with a deeper dig, Belew said, though he "doubts seriously that [the corps] will need to."

The discovery of the old shells raises legal questions as in with is responsible. It anyons for this closing what some call containinated land. When the Army pulled out of Burne in 1950 and sold the land, the days interactioned unexplodes shall be town one as the land, was parced part and sold, the original door was not consulted.

On Dec. 10, 1983, two 8-year-old San Diego Lory : Source and they found as the state of th received a total of \$6.3 million in settlements with San Diego County, city and the developers and builder of the community where the boystilied

Officials have repeatedly warned locals not to die or sourch for old shells black and a SUSPECION STOPPENES FORMES INTO touch or iry to move it. Instead, they should report it to their local law enforcement agency. Of But Net View the Corps' survey efforts a projecthost.com

THE HERALD. SUN 1-8-03 DURHAM, NC

h avid Rogers News Editor The US Army Corps of Engineers began work to survey and clear unexploded ordnance from property at Lake View Subdivision near Butner on January 7, 2003.

Previous surveys of the area found unexploded ordnance remaining from training exercises conducted in the 1940's. The current clearance action will continue until mid-February 2003.

Since the summer, the Corps has found 12 unexploded artillery shells dating back to World War II. Residents of Lakeview Estates, a subdivision off of Roberts Chapel Road, have discovered that the area in which their homes are located is a prime location for finding unexploded ordnance.

The area in which they live was used as part of firing ranges for soldiers at Camp Butner during World War II.

The approximately 26 acres to be cleared were surveyed earlier as part of an Engineering Evaluation of the Camp Butner area conducted last spring and summer.

**Ordnance Clearance** 

Starts At Lakeview

During that evaluation, the number of objects found in that subdivision led the Corps to recommend that a removal action be taken in the neighborhood

During the clearance action, the ground will be cleared to a depth of six inches. Residents will be accommodated away from the area if it is necessary to remove potentially explosive objects.

"The Department of Defense policy on unexploded ordnance is that we use our limited resources to address the highest risks first," said Wilmington District Commander Col. Ray Alexander.

"Because some explosive objects were found in people's yards very close to homes, the risk to this neighborhood justifies this clearance action. The effort will cost more than \$600,000.

\* amp Butner was estautished in 1942 as a 40,384-acre training and housing facility for World War II troops. The training grounds included approximately 15 firing ranges, a grenade range, a 1000-inch range, a gas chamber and a flame-thrower training pad.

The site was also home to one of the Army's largest general and convalescent hospitals and the War Department's Redeployment Center.

In 1947, the War Department closed Camp Butner and the land was sold to public and private interests., The general hospital was acquired by the state and named the John Umstead Hospital.

The North Carolina N tional Guard was give 4,750 acres of the Camp to be used for training. Some of the land was developed into residential property and farming. Some is North Carolina state land.

Over the past few months, awareness of the potential for unexploded ordnance in the area has been heightened as the US Army Corps of Engineers conducted an Engineering Evaluation on the site.

About a dozen explosive objects were found during the investigation, some of them on residential property.

The US Army Corps of Engineers is warning people to refrain from amateur efforts to detect and find unexploded ordnance at the former site of Camp Butner.

"We are aware that quite a few people are exploring with metal detectors, either on their own property or in other areas."

"We are extremely concerned that this could lead to a death or a serious injury." Metal detectors by themselves won't set off buried unexploded ordnance, Col. Alexander said. but striking a shell, hand grenade or bazooka round with a digging implement could.

"The 37 mm rounds are particularly sensitive." he

The Butner-Creedmoor News COMMUNITY NEWS 1-09-03

1 OF 2

"mitting one with a begin on January 7 shovel could be fatal "

plosive objects on their perty.

teenagers, I also know that person for anyone having young people can be curious questions about the reand might want to investi- moval project. She can be gate," Col. Alexander said. reached at (910-251-4626.

"We ask that people Home No Longer Safe take the right steps if they happen to find anything Kimberly Cash of Lakeview that looks suspicious, but Estates is located in the we also ask that people not target area of one of the dig for possible ordnance. Camp Butner artillery We don't want to see any- ranges. one hurt or killed!"

### Steps To Take

you find a suspicious object? leaves in the family's yard Don't touch or attempt in November, 2001. . to move the object.

forcement office. They know shells or pieces of them, inhow to identify ordnance cluding a live 37 mm highand who to contact.

have 'seen' with a metal de- Corps on August 21, 2002. tector.

mers' willingness to work Kimberly Cash says that Engineering Evaluation, safe for her family to stay in and we want to make sure the house. that they and any visitors to the former Camp Butner less nights from worrying site stay safe," Col. and were under constant Alexander said.

date during the Engineering family decided that the risk Evaluation/Cost Analysis wasn't worth it and moved conducted by the Corps, the to an apartment in 26-acre area near Range Creedmoor. road which encompasses the Lakeview Estates sub- put the family in a financial division was identified for a bind, the couple says that Time Critical Removal safety for themselves and Action (TCRA). Property their six children was more owners in this area have important than money. been notified according to the Corps.

entire 26 acres was sur- pointed with the response veyed, and any objects that she has received from found to a depth of 6 inches the Corps for her pleas for below the surface will be in- help in dealing with the sitvestigated and if necessary uation. removed.

November 2002, and the whether prudent people

Other actions may be "We understand that recommended later based people are very concerned on more complete findings of about the potential for ex- the Engineering Evaluation.

Penny Schmitt of the U.S. Army Corps of As the father of Engineers is the contact

The home of Danny and

The Cash's nine year old son Taylor found a live What should you do if bazooka round while raking

Since that time, the Call your local law en- family has found three more explosive shell uncovered Don't dig for objects you and safely detonated by the

After the discovery of "We appreciate property the 37 mm shell in August, h us during 'the she no longer felt it was

"We had a lot of sleepstress," she said. In the Based on findings to first days of September, the

Though the move has

In a prior article, Kimberly Cash maintained During this action, the that she has been disap-

"I have never been able The survey portion of to get a straight answer TCRA ended in from the Corps officials on investigation portion will should stay on property like ours or leave," she stated

"I asked them if they were me, would they stay in my house or leave, and I asked them would they let their children play in my vard. They never would answer me," she said.

Cash said in the article that she was concerned about "treasure hunters" going on the family's property and being hurt or killed by exploding ordnance.

"People are digging in our yard," she said. "We went home recently and there were tire tracks in our yard and dug up dirt. That is just ignorance!" she exclaimed.

Cash says that many old time residents of the area don't appear to take the threat of the old ordnance exploding very seriously.

I know of people who use this old ordnance for

### **Ordnance** Clearance Starts At Lakeview

The Butner-Creedmoor News COMMUNITY NEWS 1-09-03

doorstops and bookenus

said Cash. 1 really an afraid that is going to take someone dving to focus evervone's attention on this problem."

Some Lakeview residents, including the Cashes and Roman Vos. say that they were not told before purchasing their property that it was part of a former army range. Both families have hired an attorney seeking to find out why they were not informed and to see if any other action can be taken to rectify their situation.

Cash also stated that she was concerned about other subdivisions going up in the area around Lakeview Estates and said. "I really fear that sooner or later there is going to be a death-it shouldn't take someone getting killed to dc something about this."



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# granville

### October rains fill lakes, hamper harvests in Person, Granville

After months of dry days and parched crops, Mother Nature has lent the region a wet October hand, ending short-term drought and making harvesting a muddy chore.

### North Carolinians join Washington march against war

WASHINGTON -- The North Carolina flag stood out in a sea of posters, banners and signs in a crowd of more than 100,000 people who gathered at the Mall in Washington on Saturday to protest the war against Iraq and President Bush's preemptive strike doctrine.

### Pharmacy to open South Granville facility

CREEDMOOR -- The Professional Pharmacy of Oxford has announced plans to join the South Granville Medical Center in Creedmoor. The pharmacy, an Oxford mainstay, will lease about 2,000 square feet and offer a complete prescription service and health care products for its first satellite location.

### Creedmoor in crossfire from hunters, land owners

CREEDMOOR -- When the leaves begin to fall, complaints about trespassing deer hunters begin to rise. The first volley was fired at the Creedmoor Town Commissioner's meeting earlier this week when two residents pleaded with the commissioners to help stop hunters with dogs from trespassing on their property. The landowners say the dogs and hunters endanger their families and farm animals.

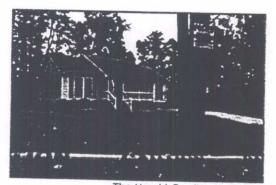
### Jobless rate dips in most counties DURHAM -- The unemployment rate decreased in 90 North Carolina counties in September, including Durham, Granville, Orange and Person, the N.C. Employment Security Commission reported Friday.

### Area colleges will show off biotech work at State Fair

RALEIGH -- Representatives from area colleges will be at the North Carolina State Fair through Sunday to showcase training their schools can provide for those interested in the growing field of biotechnology.

### Granville native tells county history

DURHAM -- All brawn and no brains? With a buzz haircut and broad shoulders, Lewis Bowling, a professor of physical education at



The Herald-Sun/Kevin Seifert Caution tape surrounds the Cash's home at 653 Lakeview Drive in Butner while their lawn begins to overgrow on Thursday. The Cash family

to overgrow on Thursday. The Cash family abandoned the home for their safety as munitions left from the days of Camp Butner continue to be discovered in their yard.

### Butner residents warned of World War II ordnance

BUTNER -- Having found 12 unexploded artillery shells around Butner during the past few months, the U.S. Army Corps of Engineers warns residents and visitors to the area not to search and dig for the World War II ordnance.

### Creedmoor board approves zoning change

CREEDMOOR -- Building near Creedmoor's streams and Lake Rogers just got tougher. On Tuesday night, The Creedmoor Commissioners approved new zoning ordinances for new development. The change widens natural buffers -- a designated space of vegetation -- to extend out 100 feet from the town's stream banks. The change was made to bring the town's zoning laws up to snuff with the state's Division of Water Quality regulations.

### Granville panel OKs half-cent sales-tax hike\_\_\_\_\_

OXFORD -- Granville County's residents and visitors will pay a half-cent more in sales tax beginning Dec. 1. The Granville County Commissioners approved the tax increase Monday night on the heels of a quiet public hearing.

Creedmoor relaxes water restrictions CREEDMOOR -- Creedmoor officials have softened the city's water restrictions after last week's heavy rains filled Lake Rogers to the brim. Under mandatory water conservation measures since the summer, the city will move back to voluntary conservation with the exception of watering lawns, plants and gardens.

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# Butner residents warned of World War II ordnance

By Hunter Lewis : The Herald-Sun hlewis@heraldsun.com Oct 24, 2002 : 10:10 pm ET

BUTNER -- Having found 12 unexploded artillery shells around Butner during the past few months, the U.S. Army Corps of Engineers warns residents and visitors to the area not to search and dig for the World War II ordnance.

"We are aware that quite a few people are exploring with metal detectors, either on their own property or in other areas," said Colonel Ray Alexander, commander of the Corps' Wilmington District. "We are extremely concerned that this could lead to a death or a serious injury."

Ranging in size from 155 mm shells shot from long cannons to shells shot from bazookas, the ordnance dates back to 1942, when the Army built Camp Butner, a training facility for 40,000 troops.

Until recently, Danny and Kimberly Cash lived in the target area of one of 15 artillery ranges. They have found at least five shells or pieces of them, including a live 37 mm high-explosive shell uncovered and safely detonated by the Corps in August.

But last month, after "sleepless nights and constant stress," they walked out of their home, packed their six kids into the their Chevrolet Suburban and moved to an apartment in Creedmoor.

The Cashes, who are Durham police officers, left behind a mortgage and what they thought was their dream home. Safety was more important than "financial ruin," Kimberly Cash said.

Their grass has grown shin-high. Yellow caution tape surrounds their property. Posted signs warn not to trespass.

On a recent visit back to her home in Lakewood Estates, a small subdivision south of Stem, Cash saw tire tracks and dug-up dirt in her front yard.

"We moved our children and ourselves to a safe location, but this does not protect the ignorant, complacent or stupid," Kimberly Cash said, speaking of "treasure hunters" with metal detectors and shovels.

In November, an engineering firm contracted by the Corps will survey the 26-acre tract in what is called a Time Critical Removal Action. During the three-month, \$685,000 process, engineers will explore the area around the Cashes' neighborhood with metal detecting equipment and Global Positioning devices. If they detect metal objects, the engineers will mark and remove anything down to six inches deep.

The project stems from a \$2 million spot survey over the 45,000-acre area where the engineers tested small plots of land and identified the 26-acre tract for further study.

"The earlier survey turned up enough explosive material in the [Lakeview] area that justified a removal," said Corps spokeswoman Penny Schmitt. "[Engineers] really didn't need to wait any further."

But the Corps wants locals and visitors to refrain from locking for the and

"If you detect something, there is an overwhelming temptation to see," she said. "Digging can be extremely dangerous."

Of the five families living off Lakeview Drive, the Cashes are the only ones to move. But next-door-neighbor Frances Vos said that doesn't mean she is not concerned.

"I'm concerned not only what we're living on, but the future," she said. "The new subdivisions going up. The logging. Wake up. I really fear sometime, somewhere there is going to be a death. I really do."

Vos referred to two San Diego boys killed in 1983 when they fiddled with an old shell found where a base once stood.

But for many who live in this bucolic part of southern Granville County, the old shells are just as much a part of the landscape as the thick oaks and rolling hills. Stories abound in this area of residents stumbling across old bullets and shells while plowing their fields or hunting.

Edward Eakes, 46, and Billy "Red" Wayne, 40, grew up down the road from Lakeview Estates long before Roberts Chapel Road was paved and before the hills were dotted with homes. Eakes, who rents a small white home just south of Lake Holt and the Cashes' neighborhood, said the engineers marked a few spots in the woods behind his land last week where ordnance may be buried.

But the shells don't bother him.

"I like it here," Eakes said. "The bombs ... don't bother me a bit. You got to worry more about people shooting you while you're pumping gas. These bombs ain't going to bother you unless you dig them up."

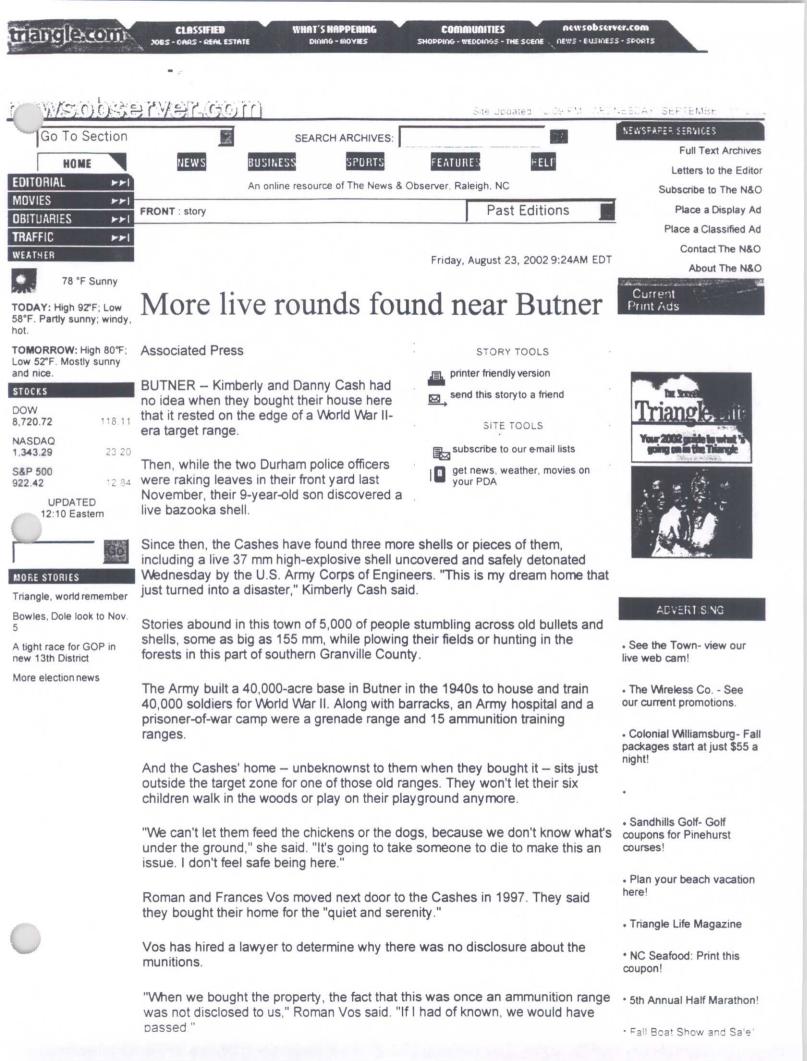
Wayne agreed.

"Ain't no telling what you'll find out here," he added. "It's been here for years and years."

It is this mindset that bothers Vos.

"A lot of this stuff is just swept under the carpet," she said. "The people have a mindset of 'it's always been here, nobody's got killed.' I want to scream to the state of North Carolina, 'Hey, in Granville County and parts of Person County there is live ammo. They have dumped piles of ammo in this area.' "

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Since the spring of 2000, Parsons Inc., an engineering firm hired by the Corps, has studied and surveyed the 40,000 acres of the former Camp Butner to determine how contaminated the land is with ordnance and explosives.

By January, Corps and Parsons officials say, they will have a detailed document, called an engineering evaluation/cost analysis, that will explain the dangers and cost to clean up hundreds of shells and casings.

To sample the area, Parsons workers mark several 100-by-100-foot grids. Then with handheld Global Positioning Systems and an industrial-strength metal detector, workers scan the grid. Since Aug. 5, they have found more than 1,000 pounds of horseshoes, plow blades and nails - and at least 200 fragments, fuses or entire shells of explosive devices.

Loggers found a live 155 mm shell Thursday in the woods north of the Cashes' home. The 37 mm shell found Wednesday inside one of these grids sat 11 vards from the Cashes' front door.

Corps officials assure the family and the other people living on old Camp Butner property that their land will be rid of at least 95 percent of explosives once the cleanup is finished. They held a public hearing Thursday night to discuss the ordnance problem.

Kimberly Cash and her neighbors want quick action.

"If it was your children, would you let them stay in my house?" she asked.



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### More live rounds found near Butner

Associated Press

3UTNER -- Kimberly and Danny Cash had no idea when they bought their house here that it rested on the edge of a World War Ilera target

Then, while the two Durham police officers were raking leaves in their front yard last November, their 9year-old son discovered a live pazooka shell.

Since then, the Cashes have found three more shells or pieces of them, including a live 37 mm highexplosive shell uncovered and safely detonated Wednesday by the U.S. Army Corps of Engineers. "This is my dream home that just turned into a disaster," Kimberly Cash said.

ittp://www.news-observer.com/front/story/1666491p-1688285c.html

# **Brunswick County**

### Nourishment Program Helps Tourism, Turtles By Don Bordner

Last fall's beach nourishment projects attracted both vacationers and sea turtles to the South Brunswick County beaches, according to members of the Brunswick Beaches Consortium (BBC). The state recently reported area rentals and tourism held their own this summer, which the consortium credits much to nourishment projects. Preliminary sea turtle nesting reports indicate a significant increase in nesting activities along the South Brunswick County beaches, according to consortium members. While members smiled at the positive news, they buckled down to prepare for upcoming beach nourishment projects and Coastal Resource Commission (CRC) appointments at their monthly n gAug. 15. Glenn McIntosh of U.S. Army Corps of Engineers updated consortium members on the status of the Wilmington Harbor Project and provided a brief outline of claims for more funds for additional work required during the project by dredging company Bean-Stuyvesant.

http://www.brunswickbeacon.com/headline%20web%20page/brunsco.html





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# Army Corps of Engineers expands war munitions search in two locations

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hlewis@heraldsun.com; 419-6651 Jun 28, 2003 : 8:47 pm ET BY HUNTER LEWIS

BUTNER -- The U.S. Army Corps of Engineers expanded its search for World War II-era munitions last week in a subdivision where at least eight live shells have been found, and on a Rougemont couple's property about eight miles away, where two additional live shells were found.

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**Fechnology** Health/Med Corps official Roland Belew said the team surveyed two acres of Norma Reilly's property in Butner's Lakeview Estates and about three acres of Wyatt and Amy Blaylock's 10acre property in Rougemont.

The Corps won't know for sure whether more shells or other metal objects, such as old plows or horseshoes, are embedded in the soil, however, unless it decides to dig for them, he said.

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PECI 1416 Engineers used sophisticated metal-detecting equipment to probe six inches below the surface and pinpointed any buried metal with global-positioning devices. The Corps performed similar surveys in the 26-acre Lakeview Estates in January and March.

> OUCHIN HEART

engineering evaluation and cost analysis, by late September that will explain the extent of the ground contamination around Butner and what the Corps intends to do about it. Belew said the Corps will use the surveys to develop a plan of action, called a draft The plan could involve a multimillion-dollar cleanup and a program to educate the public about the dangers of old shells. In the 1940s, soldiers fired thousands of shells on 15 munitions ranges in the area near Butner, housed and trained some 40,000 U.S. Army troops for combat in World War II. where Granville, Durham and Person counties meet. The 40,000-acre base, Camp

Lakeview Estates sits on the edge of a 37 mm munitions range. The Blaylocks' land was once a mock German village pounded by 105 mm and 155 mm shells.

When the Army turned the land back over to the state and private residents in 1947, it

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disclosed the leftover shells in the deed. But over time, as the land was parceled out and sold to private homeowners, that deed was not consulted. Roman and Francis Vos moved into the modest subdivision in 1997, and they knew nothing about the shells until their neighbor's 8-year-old son picked up a live bazooka round in 2001 while raking leaves in his yard.

"When we purchased this land, there was no disclosure of [shells]," said Francis Vos, 56. "Are the new homeowners being told about this when they're coming in?"

Vos said she put up a sign outside the subdivision in December that read: "Beware, Live Bombs." Someone took the sign down by the next morning, she said. Vos said local real estate agents and developers feared mention of the explosives would drive down property values and hurt the county's tax base. "It's amazing to me that the county, the state, that nobody I know of is saying, ' Look, we've got to put a stop to this,' " she said. "It's all about the money, money, money."

bazooka shell, moved their six children to a Creedmoor apartment in fall 2002 after the Durham police officers Kimberly and Danny Cash, whose son Taylor found the live Corps found two more live shells in their yard.

Kimberly Cash said her family received at least one angry phone call a day from residents who told her to stop making a big deal of the ground contamination. Some teachers at Butner-Stem Elementary School even asked her why she continued to pursue the issue, she said.

"These are well-educated people who are turning their backs," Cash said.

Orange County, where they are renting a home while still paying the mortgage on their Members of the Cash family, afraid for their safety, have since moved to northern Lakeview Drive house. About a mile from Lakeview Drive, several new houses and cleared lots boast "for sale" signs.

Mike Arrington owns 190 acres where some of the new homes sit. He bought the land last year and said his father farmed the land for 30 years and never found any old shells.

"I'm not concerned," he said. "I haven't heard of anyone finding anything except for about a mile away.

newspaper. I didn't feel that by not mentioning that I'm being deceitful in any manner. "Right now, I don't see a necessity to disclose it," he continued. "Everybody sees the

### APPENDIX C FIELD ACTIVITY PHOTOGRAPHS

### APPENDIX C SELECTED SITE PHOTOS



Photo C.1. Entrance to Lakeview Subdivision off Robert's Chapel Road





 $C-1 \\ \text{I:} \text{Hunt-conus} \text{Projects} \text{Butner} \text{Tcra} \text{Report} \text{Final} \text{App-c-photos}. \text{doc} \text{contract no. } \text{daca87-00-d0038} \\ \text{task order 0028} \\ \end{array}$ 



Photo C.3. Digital Geophysical Mapping



Photo C.4. Typical Forest Conditions Prior to Brush Cut and Ice Storm

 $C-2 \\ \text{I:Hunt-conus:projects:butner:tcra:tcra:report.final.app-c-photos.doc contract no. daca87-00-d0038 \\ \text{task order 0028} \\ \end{array}$ 



Photo C.5. Intrusive Operations using Whites Eagle Spectrum



### Photo C.6. Intrusive Operations

 $C-3 \\ \text{I:} \text{Hunt-conus} \text{Projects} \text{Butner} \text{Cra} \text{Report} \text{Final} \text{App-C-photos}. \text{Doc contract no. } \text{Daca87-00-d0038} \\ \text{Task order 0028} \\ \end{array}$ 

REV: 2 08/14/2003



Photo C.7. Demolition Operations



### Photo C.8. Demolition Operations

 $C-4 \\ \text{I:} \text{HUNT-CONUS} \text{PROJECTS} \text{BUTNER} \text{TCRA} \text{TCRA REPORT} \text{FINAL} \text{APP-C-PHOTOS}. \text{DOC} \\ \text{CONTRACT NO. DACA87-00-D0038} \\ \text{TASK ORDER 0028} \\ \end{array}$ 



Photo C.9. Setup of Lanes for Intrusive Sweeps



### Photo C.10 Ice Storm During TCRA Activities

 $C-5 \\ \text{I:Hunt-conus:projects:butner:tcra:tcra:report;final:app-c-photos.doc contract no. daca87-00-d0038 \\ \text{task order 0028} \\ \end{array}$ 



Photo C.11. Sandbag Enclosure for 37mm Demolition Shot



### Photo C.12 Demolition Shot Preparation

 $C-6 \\ \text{I:HUNT-CONUS|PROJECTS|BUTNER|TCRA|TCRA REPORT|FINAL|APP-C-PHOTOS.DOC CONTRACT NO. DACA87-00-D0038 \\ TASK ORDER 0028 \\ \end{array}$ 



Photo C.13. M1 Practice Mine – Pressure Plate (OES)



Photo C.14 MKII Hand Grenade Fuze (OES)

 $C-7 \\ \text{I:Hunt-conus:projects:butner:tcra:tcra:report.final.app-c-photos.doc contract no. daca87-00-d0038 \\ \text{task order 0028} \\ \end{array}$ 

### APPENDIX D FIELD ACTIVITY PHOTOGRAPHS

APPENDIX E USA ENVIRONMENTAL DAILY INTRUSIVE FIELD FORMS NOT AVAILABLE ELECTRONICALLY, SEE HARD COPY FOR MOR INFORMATION

### ELECTRONIC COPY OF LOGS NOT AVAILABLE PLEASE SEE REPORT FOR MORE INFORMATION

### APPENDIX F FIELD DOCUMENTATION

DAILY EXPLOSIVE USAGE RECORD AND MAGAZINE DATA CARDS LAKEVIEW SUBDIVISION PLAT

MINIMUM SEPARTATION DISTANCE

### **MAGAZINE SECURITY**

### APPENDIX D PROJECT CORRESPONDENCE



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

REPLY TO

November 7, 2002

Design Center for Ordnance And Explosives Directorate

SUBJECT: Work Plan Partial Approval and Authorization to Mobilize for Time Critical Ordnance Removal at the Former Camp Butner, NC, Contract DACA87-00-D-0038 T.O. 0028

Mr. Don Silkebakken Parsons Engineering Science, Inc. 5390 Triangle Parkway, Suite 100 Norcross, Georgia 30092

Dear Mr. Silkebakken:

Your work plan has been reviewed. All of your revisions have been reviewed and are found to be acceptable with the exception of the evacuation plan and the change from a Most Probable Munition (MPM) of a 155 mm to a 37 mm. Therefore, your work plan is only approved for brush cutting and surveying. You may mobilize to the site immediately. After you finalize the sections of the work plan pertaining to the evacuation plan and MPM changes, I will give you your final work plan approval and notice to proceed to do intrusive work.

If you believe certain comments included herein constitute a change to your contract, do not proceed with performance. Instead, formally notify me of the basis of your position and await instructions. I may, (1) confirm that it is a change, direct the mode of further performance, and plan for its funding; (2) countermand the alleged change; or (3) notify you that no change is considered to have occurred. Proceeding with performance without first notifying me of your position will be at your own risk. If you have any questions, please contact Mr. Roland Belew at commercial 256-895-1553 or via cellular phone at 256-426-3717.

Singerely, ydia Jadesse Lydia Tadesse

Copy Furnished: Commander, U.S. Army Engineer District, Wilmington, ATTN: CESAW-TS-PE (John Baden) PO Box 1890, Wilmington NC 8402-1890

1840



DEPARTMENT OF THE ARMY HUNTSVILLE CENTER, CORPS OF ENGINEERS P.O. BOX 1600 HUNTSVILLE, ALABAMA 35807-4301 11 December 2002

REPLY TO

Design Center for Ordnance and Explosives Directorate

SUBJECT: Work Plan Final Approval and Authorization to Mobilize for Time Critical Ordnance Removal at the Former Camp Butner, NC, Contract DACA87-00-D-0038 T.O. 0028

Mr. Don Silkebakken Parsons Engineering Science, Inc. 5390 Triangle Parkway, Suite 100 Norcross, Georgia 30092

Dear Mr. Silkebakken,

This approval follows my 6 November partial approval and authorization for you to do brush cutting and surveying. Your revisions to the Most Probable Munition (MPM) from a 155 mm to 37 mm projectile has been reviewed. Your evacuation plan revisions have been reviewed. These final two revisions are found to be acceptable. Your work plan is approved. You will receive a separate letter authorizing you to mobilize after the field effort is funded at the end of December.

If you believe certain comments included herein constitute a change to your contract, do not proceed with performance. Instead, formally notify me of the basis of your position and await instructions. I may (1) confirm that it is a change, direct the mode of further performance, and plan for its funding; (2) is considered to have occurred. Proceeding with performance without first notifying me of your position will be at your own risk.

If you have any questions please contact Mr. Roland Belew at commercial (256) 895-1553 or via cellular phone at (256) 426-3717.

Sincerely, 1a o Adia Tadesse

Contracting Officer

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

30 December 2002

Design Center for Ordnance and Explosives Directorate

ATTENTION OF

SUBJECT: Notice to Proceed on Time Critical Ordnance Removal at the Former Camp Butner, NC, Contract DACA87-00-D-0038 T.O. 0028

Mr. Don Silkebakken Parsons Engineering Science, Inc. 5390 Triangle Parkway, Suite 100 Norcross, Georgia 30092

Mr. Silkebakken,

On 20 December 2002 I approved your work plan. You have submitted a list of workers you have requested be approved to perform the intrusive work. This list has been reviewed and is approved for the positions requested. You are now authorized to mobilize to the site to start intrusive operations. Huntsville safety will be on site starting 6 January 2002.

If you believe certain comments included herein constitute a change to your contract, do not proceed with performance. Instead, formally notify me of the basis of your position and await instructions. I may (1) confirm that it is a change, direct the mode of further performance, and plan for its funding; (2) countermand the alleged change; or (3) notify you that no change is considered to have occurred. Proceeding with performance without first notifying me of your position will be at your own risk.

If you have any questions please contact Mr. Roland Belew at commercial (256) 895-1553 or via cellular phone at (256) 426-3717.

Sincerely, Udra da Lydia Tadesse Jadusse Contracting Officer

Copy Furnished: Commander, U.S. Army Engineer District, Wilmington, ATTN: CESAW-TS-PE (Mr. John Baden), P.O. Box 1890, Wilmington NC 28402-1890

5350 Triangle Parkway - Sune 100 - Norcross Georgia 30092 - (770) 446-4900 - Fax (770) 446-4910

January 8, 2003

U.S. Army Engineering & Support Center ATTN: CEHNC-OE-DC (Roland Belew) 4820 University Square Huntsville, AL 35816-1822 256-895-1553

Subject: Contract DACA87-00-D-0038, Delivery Order 0028 Proposed Revisions to Approved TCRA Final Work Plan Lakeview Subdivision, Former Camp Butner, Butner, North Carolina

Dear Mr. Belew:

Parsons' requests approval for a revision to the approved TCRA Work Plan for ongoing field work at the Lakeview Subdivision. Paragraph 2.7.1.1 and Paragraph 11.7.1.1 incorrectly state that a UXO Technician II will inspect and classify OE and Range Residue collected during the intrusive investigation. Each of the paragraphs mentioned above were slightly revised to indicate a UXO Technician III will conduct this function. Attached please find the revised text pages as proposed for your review and approval.

Please contact me at (678) 969-2384 (direct line) if you have any questions or require additional copies of this report.

Sincerely,

PARSONS

Don Silkebakken, P.E. Project Manager

cc: Project File (742751)

Lydia

Contracting Office



5390 Triangle Parkway • Suite 100 • Norcross. Georgia 30092 • (770) 446-4900 • Fax: (770) 446-4910 • www.parsons.com

January 13, 2003

DEHR/Division of Water Quality ATTN: Mr. Bob Zarzecki DEHR/Division of Water Quality 2321 Crabtree Blvd. Raleigh, North Carolina 27604-2260 919-733-9726

Subject: Brush Removal along Small Creek in Lakeview Subdivision Butner, North Carolina

Dear Mr. Zarzecki:

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Parsons has been contracted by the U.S. Army Corps of Engineers to conduct a time critical removal action (TCRA) within the current Lakeview Subdivision of the former Camp Butner WWII military training facility near Butner, North Carolina and in Granville County. This action requires removal of much of the surface vegetation (excluding the roots), small trees (less than 3 inches in diameter), and pruning of trees with branches within six feet of the ground in order to ensure a comprehensive cleanup of old military munitions that may remain within the approximately 26-acre site.

A small drainage feature is present within the property. Runoff from this feature flows to the Holt Reservoir located immediately south and east of the subdivision. A map showing the location of the drainage feature can be viewed by visiting our project website at <u>www.projecthost.com</u>, selecting the Camp Butner project site from the pulldown list, and navigating to the final TCRA project Work Plan figures. Parsons understands that a buffer of 50 feet along both sides of certain creeks and streams is regulated under state guidelines. Mr. Steve Czekalski has informed me that his recent conversations with you regarding the project and associated field efforts that you have provided verbal concurrence that this small creek is exempt from North Carolina regulations limiting brush removal near certain water bodies and wetlands. Due to the time sensitive nature of the ongoing project action and public safety concerns, Parsons intends to remove the brush immediately based on your verbal concurrence.

Please contact me at (678) 969-2384 (direct line) or (404) 606-0346 (cell) if you have any questions.

### PARSONS

Mr. Zarzecki Page 2 January 10, 2003

Sincerely,

PARSONS

Da St

Don Silkebakken, P.E. Project Manager

cc: Project File (742751)

а А **н** 



Michael F. Easley Governor

William G. Ross, Jr., Secretary Department of Environment and Natural Resources

> Alan W. Klimek, P.E., Director Division of Water Quality

January 10, 2003

DWQ Project No. 03-0026 County: Granville Page 1 of 2

U.S. Army Corps of Engineers (USACE), Wilmington District and Huntsville Center c/o: PARSONS Infrastructure & Technology Group, Inc. Attn: Mr. Don Silkebakken, P.E., Project Manager 5390 Triangle Parkway, Suite 100 Norcross, Georgia 30092 Fax: (770) 446-4900

### Subject Property: Final Time Critical Removal Action (TCRA) Work Plan (October 2002), Lakeview Subdivision, Former Camp Butner WWII Training Facility, Butner, North Carolina Knapp of Reeds Creek (Holt Reservoir / Lake Butner) [03-04-01, 27-4-(2), WS-II HQW NSW C]

### APPROVAL of Neuse River Buffer Rule AUTHORIZATION CERTIFICATE

### Dear Mr. Silkebakken:

You have our approval, in accordance with the attached conditions and those listed below, to impact the protected riparian buffers for the purpose of conducting brush clearing activities associated with the TCRA Work Plan at the subject property as described within your letter dated January 13, 2003 (received by the Division of Water Quality (DWQ) on January 10, 2003). In addition, you should obtain or otherwise comply with any other required federal, state or local permits before you go ahead with your project including (but not limited to) 404 Wetlands Permits, 401 Water Quality Certifications, Erosion and Sediment Control Permits, and Water Quality Standards.

Please note that this letter does not "exempt" any surface waters subject to the buffer rule (15A NCAC 02B .0233). This letter, does however, authorize the activities listed above to be conducted within the protected buffers. These activities have been determined to be "exempt" under the buffer rule as "removal of individual trees (and vegetation) which are in danger of causing damage (indirectly) to dwellings, other structures or human life" (15A NCAC 02B .0233(6).

This approval is only valid for the purpose and design that you described in your application. If you change your project, you must notify us and you may be required to send us a new application. For this approval to be valid, you must follow the conditions listed below.

### Conditions:

- 1. All stormwater shall be directed as diffuse flow at non-erosive velocities through the protected stream buffers and will not re-concentrate before discharging into the stream as identified within 15A NCAC 2B .0233(5).
- 2. No trees greater than three (3) inches in diameter at breast height shall be removed unless conducted under a use designated as "exempt" under 15A NCAC 02B .0233(6) or otherwise approved by the DWQ.
- 3. Any disturbed areas within Zone 1 of the protected buffers that were forested prior to disturbance must be allowed to naturally revegetate and not be maintained after work associated with the TCRA Work Plan has been completed.

Any disputes over determinations regarding this Authorization Certificate (associated with the approved buffer impacts) shall be referred in writing to the Director for a decision. The Director's decision is subject to review as provided in Articles 3 and 4 of G.S. 150B.

This letter completes the review of the "No Practical Alternatives" determination under 15A NCAC 2B .0233. If you have any questions or would like a copy of the buffer rules, please call (919) 733-1786. This letter does not authorize any impacts to either Waters of the United States or Waters of the State. Please contact the US Army Corps of Engineers (USACE) or NC Division of Water Quality (DWQ) if any impacts are proposed to either of these waters.

Sincerely,

Bob Zarzecki, ESIII Wetlands/401 Unit, DWQ

Cc: DWQ Raleigh Regional Office File Copy Central Office

bz

DWQ # 03-0026 Date: January 10, 2003

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**MAGAZINE SECURITY** 

### MEMORANDUM OF AGREEMENT BETWEEN USA ENVIROMENTAL CORPORATION AND CAMP BUTNER TRAINING SITE

SUBJECT: Security of Explosive Magazines for USA Environment Corporation

1. Reference: Request from USA Environment

2. Purpose: To provide security on explosive detonating cord, electric blasting caps, one pound booster and perforators located in explosive magazines within the Camp Butner Training Site Compound. Camp Butner personnel agree to check locks on magazines at least once a week and document inspection and fax to USA Environment at the end of each week. This inspection will be for a period beginning 18 October thru 30 January 2003. An inventory listing will be provided by USA

3. Problem: A requirement to relocate explosive magazines to another site at a cost to the taxpayer.

4. Scope: Camp Butner full-time personnel will check locks for security and report any violations to Parsons Engineering and USA Environment immediately.

5. This agreement will only require a small amount of time for personnel of the Camp Butner Training Site and will conserve taxpayers dollars.

6. Effective date: 18 October 2002.

D. L. FOSTER MSG, NCARNG Facility Manager

18 October 2002

ROBERT SHAUGER Senior UXO Supervisor

18 October 2002

**PROJECT-RELATED NEWSPAPER ARTICLES** 

APPENDIX E USA ENVIRONMENTAL DAILY INTRUSIVE FIELD FORMS

### ELECTRONIC COPY OF FIELD FORMS ARE NOT AVAILABLE PLEASE SEE REPORT FOR MORE INFORMATION

APPENDIX F SCRAP MANAGEMENT AND DISPOSAL FORMS

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USA ENVIRONMENTAL, INC. Camp Butner, NC

# **OE SCRAP CONTAINER LOG**

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USA ENVIRONMENTAL, INC. Camp Butner, NC

# **OE SCRAP CONTAINER LOG**

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APPENDIX G QUALITY CONTROL AND QUALITY ASSURANCE LOGS

### ELECTRONIC COPY OF LOGS NOT AVAILABLE PLEASE SEE REPORT FOR MORE INFORMATION

## APPENDIX H PARSONS DAILY FIELD REPORTS

### DAILY FIELD REPORT Former Camp Butner/ Lakeview TCRA -Land Survey, Brush Removal, and Removal Action

JOB NO:	742751 Task .05000 (brush cut sub & related UXO Support)	DATE/DAY: 11/14/2002
	742751 Task .06000 (land survey sub & related UXO Support)	REPORT NO: 1
	742752 Task .10000 (intrusive field work and support)	SHEET: 1 of 1
LOCATION:	Butner, NC - Durham, Granville, Person Counties	CLIENT: USAESCH, Roland Belew (PM)
		Weather: Sunny, 60 F

### WORK IN PROGRESS OR COMPLETED:

1. Land	Survey
	Perimeter Boundary Survey
	Newcomb Land Surveyors began control point acquisition and perimeter survey. Staking every 100'
0	Grid Network Survey (acres)
	Estimated to commence on December 9 and be completed by December 19. ACREAGE Totals >>>>

### 2. Brush Removal

Brush Removed (26 acres) 0

A-1 will commence brush cut activities on Wednesday November 20, 2002

### 3. Clearance Action / Intrusive Investigation

Lakeview Subdivision and 100 ft buffer (26 acres/\_\_\_\_ Mag/Dig acres) ACREAGE Totals >>>> 0 0 Days Intrusive Investigation Details:

	PARSONS	SWORKFORCE			EQUIPMENT
				On-site	USED
John Kertesz - Site Manager. Cell Phone	e: 919-69	0-5828		Yes	
Site Trailer Phone: 919-620-	8832. FA	X: 919-620-9043.			
Kerry Singler - UXO QC/Safety (UXO #	#0262). C	ell Phone: 919-690-5427		Yes	
	SUBCO	NTRACTOR			
	WOI	RK FORCE			
Land Surveyor Subcontractor -Newcomb Land Surveyors				]	EQUIPMENT
Personnel:	On-site		On-site		
Michael Reed	Yes	Tim Newcomb	Yes		GPS/Transits
Lee Overton	Yes	Brian Parrish	Yes		
Walter Dunn	Yes				
Brush Removal Subcontractor - A-1 C	Grounds				
Personnel:	On-site		On-site		

Х Morning H & S Meeting Briefing. *Conversions* : 100x100 grid = .23 acres

ACREAGE Totals >>>>

0

### ADDITIONAL INFORMATION:

Jimmy Walker (Huntsville COE Safety) on-site today. J.Walker and Parsons (J.Kertesz and K.Singler) conducted site reconnaissance of wooded area of Lakeview subdivision and 100 ft buffer.

Newcomb Land Surveyors (Newcomb) on-site this morning and given site and safety brief by K.Singler. Newcomb has established control points to be used for land surveying perimeter.

Underground utilities scheduled for demarcation next Monday (11/18/02); service is provided by Contract Locator Service free of charge. A-1 Grounds has been sheduled to begin brush clearance this Wednesday (11/20/02).

Parsons has contacted all residents involved with TCRA (in person or by phone message) and informed them of current shedule.

All other site details recorded in field logbooks.

ACTIVITIES SCHEDULED FOR NEXT WORK DAY: Begin establishing perimeter boundary.

### REQUEST FOR PROJECT ACTION None.

J.Walker

0

0

VISITORS:

ACCIDENTS REPORTED TODAY: ACCIDENTS TO DATE:

Kerry Singler John Kertesz PARSONS I&T REPRESENTATIVE(S)

### DAILY FIELD REPORT Former Camp Butner/ Lakeview TCRA -Land Survey, Brush Removal, and Removal Action

JOB NO:	742751 Task .05000 (brush cut sub & related UXO Support)	DATE/DAY: 11/15/2002
	742751 Task .06000 (land survey sub & related UXO Support)	REPORT NO: 2
	742752 Task .10000 (intrusive field work and support)	SHEET: 1 of 1
LOCATION:	Butner, NC - Durham, Granville, Person Counties	CLIENT: USAESCH, Roland Belew (PM)
		Weather: Sunny, 63 F

### WORK IN PROGRESS OR COMPLETED:

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burvey	
Perimeter Boundary Survey	
Newcomb Land Surveyors continued perimeter survey. Staking every 100'	
Grid Network Survey (acres)	
Estimated to commence on December 9 and be completed by December 19. ACREAGE Totals >>>>	0
	Perimeter Boundary Survey Newcomb Land Surveyors continued perimeter survey. Staking every 100' Grid Network Survey (acres)

### 2. Brush Removal

0 Brush Removed (26 acres)

A-1 will commence brush cut activities on Wednesday November 20, 2002

### 3. Clearance Action / Intrusive Investigation

0 Lakeview Subdivision and 100 ft buffer (26 acres/\_\_\_ Mag/Dig acres) ACREAGE Totals >>>> 0 **Days Intrusive Investigation Details:** 

	PARSONS	WORKFORCE			EQUIPMENT
				On-site	USED
John Kertesz - Site Manager	r. Cell Phone: 919-69	-5828		Yes	
Site Trailer Phor	ne: 919-620-8832. FAX	K: 919-620-9043.			
Kerry Singler - UXO QC/Sa	afety (UXO #0262). C	ell Phone: 919-690-5427		Yes	
	SUBCO	NTRACTOR	-		
	WOF	K FORCE			
Land Surveyor Subcontra	ctor -Newcomb Land	Surveyors		E	EQUIPMENT
Personnel:	On-site		On-site		
Brian Parrish	Yes				GPS/Transits
Walter Dunn	Yes				
<b>Brush Removal Subcontra</b>	ctor - A-1 Grounds				
Personnel:	On-site		On-site		
L					

Χ Morning H & S Meeting Briefing. Conversions: 100x100 grid = .23 acres

ACREAGE Totals >>>>

0

### ADDITIONAL INFORMATION:

Newcomb established four corners of Lakeview subdivision property boundary and continued installation of perimeter boundary to the south.

J.Walker departed site yesterday. He placed call to Parsons field office requesting brush clearance start date; Parsons informed him of start date of 11/20/02

Parsons has informed NCNG (Del Foster) of current schedule for TCRA. Parsons safety (K.Singler) will takeover task of daily verification of magazine security from the NCNG staff.

Parsons has contacted residents whose property requires brush cutting. Mr.Tilley informed Parsons at time of contact that he had already flagged trees that he doesn't want cut. Ms.Hill was informed that she would need to flag trees that she did not want removed. Mr.Moore was informed of the need to flag trees that he will not want cut. Mr.Moore and Parsons conducted walkthrough of Mr.Moore's wooded property to discuss what brush removal would entail. Although concerned about the effects "denuding" the understory asthetically he agreed to the necessary removal. He also pointed out a fallen tree that he requested not be removed; the tree is approximately 65 ft in length.

	All other site details recorded in field logbooks.	
ACTIVITIES SCHEDULED FOR NEXT WO	DRK DAY:	
Continue establishing perimeter boundary.		
REQUEST FOR PROJECT ACTION None.		
VISITORS:		
ACCIDENTS REPORTED TODAY:	0 John K	<u>Sing</u> ler . <u>ertesz</u> <u>ONS</u> 1&T REPRESENTATIVE(S)

### DAILY FIELD REPORT Former Camp Butner/ Lakeview TCRA -Land Survey, Brush Removal, and Removal Action

742751 Task. 06000 (Iand survey sub & related UXO Support)       REPORT NO: 3         742752 Task. 10000 (Inmuser field work and support)       SHEET: Lof I         SHEET: Lof I       CLIENT: USAESCH, Roland Belew (PM)         Weather: Summy, 52 F       Veather: Summy, 52 F         Perimeter Boundary Survey       Perimeter Boundary Survey         Newcomb Land Surveyors continued perimeter survey. Staking every 100'       0         0       Grid Network Survey (acres)         Estimated to commence on December 9 and be completed by December 19. ACREAGE Totals >>>>       0         2. Brush Removal       ACREAGE Totals >>>>       0         A-1 will commence brush cut activities on Wednesday November 20, 2002       0       0         3. Clearance Action / Intrusive Investigation       ACREAGE Totals >>>>       0         Days Intrusive Investigation Details:       PARSONS WORKFORCE       On-site       EQUIPMENT         Join Kertesz - Site Manager. Cell Phone: 919-690-5828       Yes       Site Trailer Phone: 919-690-5828       Yes         Site Trailer Phone: 919-6020, 2012 Phone: 919-690-5427       Yes       SUBCONTRACTOR       USED         Join Kertesz - Site Manager. Cell Phone: 919-690-5828       Yes       EQUIPMENT         WORK FORCE       On-site       GPS/Transits       EQUIPMENT         Brain Parish       Yes	JOB NO:     742751 Task .05000 (brush cut sub & related UXO Support)     DATE/DAY: 11/18/2002					
742732 Task. 10000 (intrasive field work and support)       SHEET: 1 of 1         TION:       Butner, NC - Durham, Granville, Person Counties       CLIENT: USAESCH, Roland Belew (PM)         N PROGRESS OR COMPLETED:       Newcomb Land Survey       Veather: Summy, 52 F         I. Land Survey       Perimeter Boundary Survey       Newcomb Land Surveyors continued perimeter survey. Staking every 100'       0         0       Grid Network Survey (acres)       0       0         2. Brush Removal       ACREAGE Totals >>>>       0         3. Clearance Action / Intrusive Investigation       0       ACREAGE Totals >>>>       0         0       Brush Removal       ACREAGE Totals >>>>       0         0       Clearance Action / Intrusive Investigation       0       ACREAGE Totals >>>>       0         0       Days Intrusive Investigation Details:       0       Days Intrusive Investigation Details:       0         10       Days Intrusive Investigation Details:       0       SUBCONTRACTOR       USED         10       Nork Cronce       EQUIPMENT       USED         10       Subdivision and 100 fb buffer (26 acres/						
Butner, NC - Durham, Granville, Person Counties       CLIENT: USAESCH, Roland Belew (PM) Weather: Sunny, 52 F         IN PROGRESS OR COMPLETED:						
Weather: Sunny, 52 F         Weather: Sunny, 52 F         Perimeter Boundary Survey         Perimeter Boundary Survey	ON:					d Belew (PM)
Primeter Boundary Survey         Primeter Boundary Survey         Newcomb Land Surveyors continued perimeter survey. Staking every 100         0       Grid Network Survey (acres)       0		· · · · · · · · · · · · · · · · · · ·	^			· · · ·
Perimeter Boundary Survey         Newcomb Land Surveyors continued perimeter survey. Staking every 100'         0       Grid Network Survey (acres)       0         Estimated to commence on December 9 and be completed by December 19. ACREAGE Totals >>>>>       0         2. Brush Removal       ACREAGE Totals >>>>>       0         0       Brush Removal (26 acres)       ACREAGE Totals >>>>>       0         A-1 will commence brush cut activities on Wednesday November 20, 2002       0         Acreated to infursive Investigation         0       Lakeview Subdivision and 100 ft buffer (26 acres/_ Mag/Dig acres)       ACREAGE Totals >>>>>       0         Days Intrusive Investigation Details:         On-site       EQUIPMENT         John Kertesz - Site Manager. Cell Phone: 919-690-5828       Yes         Site Trailer Phone: 919-620-8832. FAX: 919-620-9043.         Kerry Singler - UXO QC/Safety (UXO #0262). Cell Phone: 919-690-5427       Yes         SUBCONTRACTOR         WORK FORCE       Con-site       Con-site         Brian Parish       Yes         Con-site       Con-site         Brian Parish       Yes         Con-site       Con-site <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
Newcomb Land Surveyors continued perimeter survey. Staking every 100"         O         Estimated to commence on December 9 and be completed by December 19. ACREAGE Totals >>>>>       0         ACREAGE Totals >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	1. Land					
0       Grid Network Survey (acres)       Estimated to commence on December 9 and be completed by December 19. ACREAGE Totals >>>>       0         2. Brush Removal       0       Acreaded to commence brush cut activities on Wednesday November 20, 2002       0         3. Clearance Action / Intrusive Investigation       0       Lakeview Subdivision and 100 ft buffer (26 acres/_ Mag/Dig acres)       ACREAGE Totals >>>>       0         Days Intrusive Investigation       0       Lakeview Subdivision and 100 ft buffer (26 acres/_ Mag/Dig acres)       ACREAGE Totals >>>>       0         Days Intrusive Investigation Details:       0       PARSONS WORKFORCE       0n-site       EQUIPMENT         USED       John Kertesz - Site Manager. Cell Phone: 919-690-5828       Yes       SUBCONTRACTOR       Yes         Subcontractor -Newcomb Land Surveyors       Ves       SUBCONTRACTOR       EQUIPMENT         WORK FORCE       On-site       GPS/Transits       EQUIPMENT         Personnel:       On-site       On-site       GPS/Transits         Lee Overton       Yes       GPS/Transits       Image: Site Constance Constancons       Image: Constance Constance						
Estimated to commence on December 9 and be completed by December 19. ACREAGE Totals >>>>         0       Brush Removal         0       Brush Removed (26 acres)         A-1 will commence brush cut activities on Wednesday November 20, 2002         3. Clearance Action / Intrusive Investigation         0       Lakeview Subdivision and 100 ft buffer (26 acres/_ Mag/Dig acres)         ACREAGE Totals >>>>         0       Lakeview Subdivision and 100 ft buffer (26 acres/_ Mag/Dig acres)         ACREAGE Totals >>>>         0       Days Intrusive Investigation Details:         0       Days Intrusive Investigation Details:         0       Days Intrusive Investigation Details:         0       PARSONS WORKFORCE       On-site         0       USED         John Kertesz - Site Manager. Cell Phone: 919-690-5828       Yes         StuBCONTRACTOR       WORK FORCE         VORK FORCE       USED         Land Surveyor Subcontractor -Newomb Land Surveyors       EQUIPMENT         Personnel:       On-site       GPS/Transits         Lee Overton       Yes       GPS/Transits         Lee Overton       Yes       GPS/Transits         Brush Removal Subcontractor - A-I Grounds       Image: Com-site       Image: Com-site         Image: Com-site				survey. Staking every 100'		
2. Brush Removal       ACREAGE Totals >>>>       0         A-1 will commence brush cut activities on Wednesday November 20, 2002       A       0         A-1 will commence brush cut activities on Wednesday November 20, 2002       0       0         3. Clearance Action / Intrusive Investigation       0       Lakeview Subdivision and 100 ft buffer (26 acres/_ Mag/Dig acres)       ACREAGE Totals >>>>       0         Days Intrusive Investigation Details:       0       Days Intrusive Investigation Details:       0         John Kertesz - Site Manager. Cell Phone: 919-690-5828       Yes       Suscontractor       Yes         Site Trailer Phone: 919-620-8832. FAX: 919-620-9043.       SuBCONTRACTOR       SUBCONTRACTOR         WORK FORCE       NORK FORCE       EQUIPMENT         Brush Removal Surveyor Subcontractor -Newcomb Land Surveyors       EQUIPMENT         Personnel:       On-site       On-site         Brian Parrish       Yes       Surveyor         Lee Overton       Yes       On-site         Brush Removal Subcontractor - A-I Grounds       Desite       Desite         Personnel:       On-site       On-site       Desite         Desite       On-site       Desite       Desite         Desite       On-site       Desite       Desite         Desite	0					
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X     Morning H & S Meeting Briefing.   Conversions: 100x100 grid = .23 acres				On-site		
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	All other site details recorded in field logbooks.
ACTIVITIES SCHEDULED FOR NEXT WOI	RK DAY:
Continue establishing perimeter boundary.	
REQUEST FOR PROJECT ACTION None.	

## VISITORS: M.Yeargan and W.Smith

		Kerry Singler
ACCIDENTS REPORTED TODAY:	0	John Kertesz
ACCIDENTS TO DATE:	0	PARSONS I&T REPRESENTATIVE(S)

	742751 Task .05000 (bru 742751 Task .06000 (lan			DATE/DAY: REPORT NO:		
	742752 Task .10000 (intr			SHEET:		
N:	Stem, NC - Granville Co	ounty			USAESCH, Roland	Belew (PM)
				Weather:	Sunny, 52 F	
ROGRESS	OR COMPLETED:					
1. Land						
	Perimeter Boundary S	~				
			yors continued perimeter survey	. Staking every 100' an	d blue flagged.	
0	Grid Network Survey	(acres)				_
	Estim	nated to commend	ce on December 9 and be comple	ted by December 19.	ACREAGE Totals >	·>>>: 0
2. Brush	Removal					
0	Brush Removed (26 a	icres)			ACREAGE Totals >	·>>>: 0
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0	Lakeview Subdivision				ACREAGE Totals >	·>>>. U
	Days Intrusive Invest	tigation Details:				
		PARSONS	S WORKFORCE			EQUIPMENT
					On-site	USED
John Kert	esz - Site Manager. Cel	ll Phone: 919-69	0-5828		Yes	
	Site Trailer Phone: 91					
Kerry Sin			ell Phone: 919-690-5427		Yes	
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			RK FORCE			
Land Sur	rveyor Subcontractor -				FOU	IPMENT
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Brian Par		Yes		Oli-Site	GPS	Transits
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Lee Oven	1011	105				
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	X Morr	ning H & S Meet	ing Briefing.	Conversio	ns : 100x100 grid = .2	3 acres
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Newcom         establish         complete	DNAL INFORMATIO b continued installatio led to allow the comm e northeast boundary i northeast boundary i FIES SCHEDULED FO	IN: IN: IN: IN: IN: IN: IN: IN:	Doundary (using blue flags and ush clearance. Newcomb will All other site details recorded in RK DAY:	d stakes). Adequate a return once notified b n field logbooks.	delineation of bound by Parsons to estable	lary has been ish grid network ar
Newcom         establish         complete	ONAL INFORMATIO b continued installatio ed to allow the comme e northeast boundary i northeast boundary i FIES SCHEDULED FO ST FOR PROJECT AC	IN: on of perimeter b encement of bru in pasture area. OR NEXT WOR CTION None.	Doundary (using blue flags and ush clearance. Newcomb will All other site details recorded in RK DAY:	d stakes). Adequate a return once notified b n field logbooks.	delineation of bound by Parsons to estable	lary has been ish grid network ar

NO:	742751 Task .05000 742751 Task .06000				DATE/DAY: REPORT NO:			
	742752 Task .10000	(intrusive field w	ork and support)		SHEET:	1 of 1		
ION:	Stem, NC - Granville	e County			CLIENT:	USAESCH, Rol	land Belew	(PM)
					Weather:	Cloudy, 52 F		
N PROGRESS	<b>5 OR COMPLETED</b>	):						
1. Land	Survey							
	Perimeter Bounda	ry Survey						
	Ne	ewcomb Land S	urveyors perimet	ter survey completed ye	esterday. Staking evo	ery 100' and blue	flagged.	
0	Grid Network Surv		2 1	, , ,	, ,	,		
			nence on Decem	ber 9 and be completed	d by December 19	ACREAGE Tot	als >>>>	0
			nence on Decem	ber y und be completee	a by December 17.	MCREATOR TO		0
2 D	D							
	Removal							
0.5	Brush Removed (2	26 acres)				ACREAGE Tot	als >>>>	0.5
				ctivities at the site.				
	No	ote: Brush cut a	creage estimated	at 18-19 acres of 26 ac	cre total.			
3. Clear	ance Action / Intrus	ive Investigatio	n					
0	Lakeview Subdivis	tion and 100 ft l	ouffer (26 acres/	Mag/Dig acres)		ACREAGE Tot	als >>>>	0
	Days Intrusive Inv	-		_ 0 0				
	Days Intrusive Inv	resugation Det						
<b>—</b>		<b>N</b> 1 <b>N</b> 0		DOF		1		
		PARS	ONS WORKFO	KUE			EQ	UIPMENT
						On-site		USED
John Kei	tesz - Site Manager.	Cell Phone: 91	9-690-5828			Yes		
	Site Trailer Phone:	919-620-8832.	FAX: 919-620-9	9043.				
Kerry Si	ngler - UXO QC/Safe	ty (UXO #0262	). Cell Phone: 9	19-690-5427		Yes		
			BCONTRACTO			-	•	
		,	WORK FORCE					
Land Su	rveyor Subcontracto						EQUIPME	NT
Personn		On-			On-site			
1 (1 30111	<b>c</b> 1.	011-	5110		Oll-Site			
		. 1.0						
	emoval Subcontract							
Personn		On-			On-site			
W.Smith		Y						
P.Pedilla		Y						
R.Vasqu		Y	es					
M.Valdi		Y	es					
R.Alvara	ido	Y	es					
	X M	lorning H & S I	Meeting Briefing	g.	Conversion	ns : 100x100 grid	l = .23 acres	
A-1 Gro commer	nced on his lot.	ush clearance		west boundary (Tilley				_
		ld office inquiri	ng about evacu	ation schedule. Pare	sons has informed	Ms. Daniels tha	t evacuation	ons would not
	ired until January.							
				uire brush clearance,				
property	owners affected by	prush cutting	nag any trees of	or vegetation they wa	ant to remain; flaggi	ng ribbon has b	een provid	iea.
					~ , , ,			
				te details recorded in f	ieid logbooks.	-		
	TIES SCHEDULED	) FOR NEXT V	VORK DAY:			_		
Continue	e brush cutting.							
						_		
REQUE	ST FOR PROJECT	ACTION None				_		
						_		
VISITO	RS:					_		
						_		
					Kerry Sing	gler		
ACCIDEN	TS REPORTED TODAY:		0		John Kerte			
	TS TO DATE:		0			SI&T REPRESE	NTATIVE(	S)
						_		

742751 Task 06000 (indus survey sub & related UXO Support)       SHEET: 1 of 1         CATTON:       Stem, NC - Granville County       SHEET: 1 of 1         CLIENT:       USAESCH, RK       Weather: Cloady, 52 F         RK IN PROGRESS OR COMPLETED:         1. Land Survey         Perimeter Boundary Survey         Perimeter Boundary Survey         Newcomb Land Surveyors perimeter survey completed. Staking every 100° and blue flagged.         0       Grid Network Survey (acres)       ACREAGE To         Listmated to commence on December 9 and be completed by December 19.       ACREAGE To         ACREAGE To         ACREAGE To         ACREAGE To         O. Al Grounds continued Drush cut activities at the site.         Note: Brush Removal         0.         ACREAGE To         Days Intrusive Investigation         O Reversign and 100 ft buffer (26 acres/_ Mag/Dig acres)         ACREAGE To         Days Intrusive Investigation Details:         On-site         On-site         John Kertesz - Site Manager. Cell Phone: 919-620-832         Supcontractor -Newcomb Land	0
CATION: <u>Stem, NC - Granville County</u> CLIENT: <u>USAESCH, Rc</u> Weather: Cloudy, 52 F K IN PROGRESS OR COMPLETED:  1. Land Survey Perimeter Boundary Survey Commence on December 9 and be completed. Staking every 100° and blue flagged. 0 Grid Network Survey (acres) Estimated to commence on December 9 and be completed by December 19. ACREAGE To ACREAGE To A-1 Grounds continued brush cut activities at the site. Note: Brush Removal 0. Lakeview Subdivision and 100 ft buffer (26 acres) ACREAGE To Days Intrusive Investigation 0 Lakeview Subdivision and 100 ft buffer (26 acres)_Mag/Dig acres) ACREAGE To Days Intrusive Investigation Details:   PARSONS WORKFORCE On-site Site Trailer Phone: 919-620-8828 Site Trailer Phone: 919-620-8	0
IN PROGRESS OR COMPLETED:  I. Land Survey  Perimeter Boundary Survey  C. Staking every 100' and blue flagged.  O Grid Network Survey (acres)  Estimated to commence on December 9 and be completed by December 19. ACREAGE To  ACREAGE To  A-1 Grounds continued brush cut activities at the site.  Note: Brush Removal (26 acres) ACREAGE To  A-1 Grounds continued brush cut activities at the site.  Note: Brush vestigation  ACREAGE To  A-1 Grounds continued brush cut activities at the site.  Note: Brush vestigation Details:  PARSONS WORKFORCE  Days Intrusive Investigation Details:  PARSONS WORKFORCE  On-site John Kertesz - Site Manager. Cell Phone: 919-690-5828 Site Trailer Phone: 919-690-5828 S	otals >>>> 0
Perimeter Boundary Survey         Perimeter Boundary Survey         Newcomb Land Surveyors perimeter survey completed. Staking every 100° and blue flagged.         0 Grid Network Survey (acres)         ACREAGE To         Estimated to commence on December 9 and be completed by December 19.       ACREAGE To         ACREAGE To         ACREAGE To         A.1 Grounds continued brush cut activities at the site.         Note: Brush cut acreage estimated at 18-19 acres of 26 acre total.         3. Clearance Action / Intrusive Investigation         0       Lakeview Subdivision and 100 fb buffer (26 acres/ Mag/Dig acres)       ACREAGE To         Days Intrusive Investigation Details:	otals >>>> 0
Perimeter Boundary Survey         Newcomb Land Surveyors perimeter survey completed. Staking every 100' and blue flagged.         O Grid Network Survey (acres)         Listimated to commence on December 9 and be completed by December 19. ACREAGE To         Survey         ACREAGE To         Days Intrusive Investigation         0       Lakeview Subdivision and 100 ft buffer (26 acres/Mag/Dig acres)       ACREAGE To         Days Intrusive Investigation Details:         PARSONS WORKFORCE       On-site         John Kertesz - Site Manager. Cell Phone: 919-690-5828       Site Trailer Phone: 919-620-8832. FAX: 919-620-9043.         Kerry Singler - UXO QC/Safety (UXO #0262). Cell Phone: 919-690-5427       Yes         WORK FORCE         Land Surveyor Subcontractor -New comb Land Surveyors         Previsiti Mone: 919-620-832. FAX: 919-620-9043.	otals >>>> 0
Newcomb Land Surveyors perimeter survey completed. Staking every 100' and blue flagged.         0       Grid Network Survey (acres)         Estimated to commence on December 9 and be completed by December 19.       ACREAGE To         0.5       Brush Removal       ACREAGE To         0.5       Brush Removed (26 acres)       ACREAGE To         A-1 Grounds continued brush cut activities at the site.       Note: Brush cut acreage estimated at 18-19 acres of 26 acre total.         3. Clearance Action / Intrusive Investigation       0       Lakeview Subdivision and 100 ft buffer (26 acres/_ Mag/Dig acres)       ACREAGE To         Days Intrusive Investigation Details:       PARSONS WORKFORCE       On-site       On-site         John Kertesz - Site Manager. Cell Phone: 919-690-5828       Stite Trailer Phone: 919-620-8832. FAX: 919-620-9043.       Kerry Singler - UXO QC/Safety (UXO #0262). Cell Phone: 919-690-5427       Yes         SUBCONTRACTOR       WORK FORCE       No-site       On-site         Brush Removal Subcontractor - Newcomb Land Surveyors       Personnel:       On-site         Brush Removal Subcontractor - A-1 Grounds       Personnel:       On-site         Brush Removal Subcontractor - A-1 Grounds       Personnel:       On-site         A. Aluarado       Yes       P.Pedilla       Yes         R. Alvarado       Yes       R.Alvarado       Yes </td <td>otals &gt;&gt;&gt;&gt; 0</td>	otals >>>> 0
0       Grid Network Survey (acres)       C         Estimated to commence on December 9 and be completed by December 19.       ACREAGE To         2. Brush Removal       ACREAGE To         0.5       Brush Removed (26 acres)       ACREAGE To	otals >>>> 0
Estimated to commence on December 9 and be completed by December 19. ACREAGE To         Note: Brush cut acreage estimated at 18-19 acres of 26 acre total.         Clearance Action / Intrusive Investigation         0       Lakeview Subdivision and 100 fb uffer (26 acres/Mag/Dig acres)       ACREAGE To         Days Intrusive Investigation Details:         PARSONS WORKFORCE         John Kertesz - Site Manager. Cell Phone: 919-690-5828         Site Trailer Phone: 919-620-8832.         SUBCONTRACTOR         WORK FORCE         Industructure of the subcontractor -New comb Land Surveyors         Personnel:         On-site         On-site         On-site         On-site         On-site         On-site         On-site         On-site         On-site         On-site <t< td=""><td></td></t<>	
2. Brush Removal       ACREAGE To         0.5       Brush Removed (26 acres)       ACREAGE To         Note:       Brush cut acreage estimated at 18-19 acres of 26 acre total.         3. Clearance Action / Intrusive Investigation       0       Lakeview Subdivision and 100 ft buffer (26 acres/Mag/Dig acres)       ACREAGE To         0       Lakeview Subdivision and 100 ft buffer (26 acres/Mag/Dig acres)       ACREAGE To         Days Intrusive Investigation Details:       On-site       On-site         John Kertesz - Site Manager. Cell Phone: 919-690-5828       Site Trailer Phone: 919-620-8832. FAX: 919-620-9043.       Exercise Subcontractor - New comb Land Surveyors         SUBCONTRACTOR       WORK FORCE       WORK FORCE         Land Surveyor Subcontractor - New comb Land Surveyors       Personnel:       On-site         Image:       On-site       On-site       On-site         Brush Removal Subcontractor - A-1 Grounds       Image:       Image:       Image:         Personnel:       On-site       On-site       Image:       Image:         R. Vasquez       Yes       Image:       Image:       Image:       Image:         Image:       Image:       Image:       Image:       Image:       Image:       Image:       Image:       Image:       Image:       Image:       Image:<	
0.5       Brush Removed (26 acres)       ACREAGE To         A-1 Grounds continued brush cut activities at the site.       Note: Brush cut acreage estimated at 18-19 acres of 26 acre total.         3. Clearance Action / Intrusive Investigation       0       Lakeview Subdivision and 100 fb buffer (26 acres/_ Mag/Dig acres)       ACREAGE To         0       Lakeview Subdivision and 100 fb buffer (26 acres/_ Mag/Dig acres)       ACREAGE To         0       Days Intrusive Investigation Details:       On-site         0       Days Intrusive Investigation Details:       On-site         0       Days Intrusive Investigation Details:       On-site         0       Site Trailer Phone: 919-690-5828       On-site         0       SUBCONTRACTOR       WORK FORCE       On-site         0       SUBCONTRACTOR       WORK FORCE       Densite         0       On-site       On-site       On-site         0       Brush Removal Subcontractor - Newcomb Land Surveyors       Personnel:       On-site         0       On-site       On-site       On-site         0       C.Altum       Yes       Personnel:       On-site         0       Noraide       Yes       Personnel:       On-site         0       Ves       Densite       Densite       Densite	ntals >>>> 1
0.5       Brush Removed (26 acres)       ACREAGE To         A-1 Grounds continued brush cut activities at the site.       Note: Brush cut acreage estimated at 18-19 acres of 26 acre total.         3. Clearance Action / Intrusive Investigation       0       Lakeview Subdivision and 100 fb buffer (26 acres/_ Mag/Dig acres)       ACREAGE To         0       Lakeview Subdivision and 100 fb buffer (26 acres/_ Mag/Dig acres)       ACREAGE To         0       Days Intrusive Investigation Details:       On-site         10hn Kertesz - Site Manager. Cell Phone: 919-690-5828       On-site       On-site         10hn Kertesz - Site Manager. Cell Phone: 919-690-5427       Yes       Yes         SUBCONTRACTOR       WORK FORCE       UNO QC/Safety (UXO #0262). Cell Phone: 919-690-5427       Yes         10hn Surveyor Subcontractor -Newcomb Land Surveyors       Personnel:       On-site       On-site         10hn Surveyor Subcontractor -Newcomb Land Surveyors       Personnel:       On-site       On-site         10hn Subcontractor - A-1 Grounds       Personnel:       On-site       On-site       Personnel:       On-site         10hn Subcontractor -	ntals >>>> 1
A-1 Grounds continued brush cut activities at the site. Note: Brush cut acreage estimated at 18-19 acres of 26 acre total.         3. Clearance Action / Intrusive Investigation         0       Lakeview Subdivision and 100 ft buffer (26 acres/Mag/Dig acres)       ACREAGE To         Days Intrusive Investigation Details:       PARSONS WORKFORCE       On-site         Iohn Kertesz - Site Manager. Cell Phone: 919-690-5828       Site Trailer Phone: 919-620-8832. FAX: 919-620-9043.       Kerry Singler - UXO QC/Safety (UXO #0262). Cell Phone: 919-690-5427       Yes         SUBCONTRACTOR       WORK FORCE       On-site       On-site         0       On-site       On-site       On-site         Brush Removal Subcontractor -Newcomb Land Surveyors       Personnel:       On-site       On-site         Brush Removal Subcontractor - A-1 Grounds       Personnel:       On-site       On-site       End         P.Pedilla       Yes       R.Vasquez       Yes       R.Vasquez       Yes       R.Vasquez       Yes         M.Valdivia       Yes       Ion	otals >>>> 1
Note: Brush cut acreage estimated at 18-19 acres of 26 acre total.         3. Clearance Action / Intrusive Investigation         0       Lakeview Subdivision and 100 ft buffer (26 acres/_ Mag/Dig acres)       ACREAGE To         0       Days Intrusive Investigation Details:       ACREAGE To         0       Days Intrusive Investigation Details:       ACREAGE To         0       Days Intrusive Investigation Details:       On-site         0       Net: Standard: Cell Phone: 919-690-5828       On-site         10       Site Trailer Phone: 919-620-8832. FAX: 919-620-9043.       Kerry Singler - UXO QC/Safety (UXO #0262). Cell Phone: 919-690-5427       Yes         SUBCONTRACTOR       WORK FORCE       NORK FORCE       NORK FORCE         1       On-site       On-site       On-site         9       Personnel:       On-site       On-site         1       On-site       On-site       Descenter         1       On-site       On-site       Descenter         1       On-site       On-site       Descenter         1       On-site       On-site       Descenter         2       On-site       On-site       Descenter       Descenter         2       On-site       On-site       Descenter       Descenter	
3. Clearance Action / Intrusive Investigation       ACREAGE To         0       Lakeview Subdivision and 100 ft buffer (26 acres/_Mag/Dig acres)       ACREAGE To         Days Intrusive Investigation Details:       PARSONS WORKFORCE       On-site         John Kertesz - Site Manager. Cell Phone: 919-690-5828       Site Trailer Phone: 919-620-8832. FAX: 919-620-9043.       Kerry Singler - UXO QC/Safety (UXO #0262). Cell Phone: 919-690-5427       Yes         SUBCONTRACTOR       WORK FORCE       WORK FORCE       Norkeyor Subcontractor - Newcomb Land Surveyors         Personnel:       On-site       On-site       On-site         Brush Removal Subcontractor - A-1 Grounds       Personnel:       On-site       On-site         R. Vasquez       Yes       Norsite       Image: Removal Subcontractor - A-1 Grounds         Personnel:       On-site       On-site       Image: Removal Subcontractor - A-1 Grounds         Personnel:       On-site       On-site       Image: Removal Subcontractor - A-1 Grounds         Regeneration       Image: Removal Subcontractor - A-1 Grounds       Image: Removal Subcontractor - A-1 Grounds       Image: Removal Subcontractor - A-1 Grounds         Regeneration       Image: Removal Subcontractor - A-1 Grounds       Image: Removal Subcontractor - A-1 Grounds       Image: Removal Subcontractor - A-1 Grounds         R. Vasquez       Yes       Image: Removal Subcontract	
0       Lakeview Subdivision and 100 ft buffer (26 acres/Mag/Dig acres)       ACREAGE To         Days Intrusive Investigation Details:       PARSONS WORKFORCE       On-site         John Kertesz - Site Manager. Cell Phone: 919-690-5828       Site Trailer Phone: 919-620-8832. FAX: 919-620-9043.       Site Trailer Phone: 919-620-8832. FAX: 919-620-9043.         Kerry Singler - UXO QC/Safety (UXO #0262). Cell Phone: 919-690-5427       Yes       Yes         SUBCONTRACTOR       WORK FORCE       WORK FORCE         Land Surveyor Subcontractor -Newcomb Land Surveyors       Personnel:       On-site         Brush Removal Subcontractor - A-1 Grounds       On-site       Descent Conside         Personnel:       On-site       On-site       Descent Conside         R.Vasquez       Yes       Descent Conside       Descent Conside         Morning H & S Meeting Briefing.       Conversions: 100x100 gri         ADDITIONAL INFORMATION:       Brush cutting continued on Tilley property. Additional subcontractor staff and equipment will brought on Monda	
Days Intrusive Investigation Details:         PARSONS WORKFORCE       On-site         John Kertesz - Site Manager. Cell Phone: 919-690-5828          Site Trailer Phone: 919-620-8832. FAX: 919-620-9043.          Kerry Singler - UXO QC/Safety (UXO #0262). Cell Phone: 919-690-5427       Yes         SUBCONTRACTOR       WORK FORCE         Land Surveyor Subcontractor -Newcomb Land Surveyors          Personnel:       On-site         On-site          Brush Removal Subcontractor - A-1 Grounds          Personnel:       On-site         On-site          Resonnel:       On-site         C.Altum       Yes         P.Pedilla       Yes         M.Valdivia       Yes         M.Valdivia       Yes         X       Morning H & S Meeting Briefing.         Conversions: 100x100 gri         ADDITIONAL INFORMATION:         Brush cutting continued on Tilley property. Additional subcontractor staff and equipment will brought on Monda	
PARSONS WORKFORCE       On-site         John Kertesz - Site Manager. Cell Phone: 919-690-5828	otals >>>> 0
John Kertesz - Site Manager. Cell Phone: 919-690-5828       0n-site         Site Trailer Phone: 919-620-8832. FAX: 919-620-9043.       Yes         Kerry Singler - UXO QC/Safety (UXO #0262). Cell Phone: 919-690-5427       Yes         SUBCONTRACTOR       WORK FORCE         Land Surveyor Subcontractor -Newcomb Land Surveyors       Personnel:         On-site       On-site         Brush Removal Subcontractor - Newcomb Land Surveyors       Personnel:         On-site       On-site         C.Alturn       Yes         P.Pedilla       Yes         R.Vasquez       Yes         M.Valdivia       Yes         M.Valdivia       Yes         Morning H & S Meeting Briefing.       Conversions: 100x100 gri	
John Kertesz - Site Manager. Cell Phone: 919-690-5828       0n-site         Site Trailer Phone: 919-620-8832. FAX: 919-620-9043.       Yes         Kerry Singler - UXO QC/Safety (UXO #0262). Cell Phone: 919-690-5427       Yes         SUBCONTRACTOR       WORK FORCE         Land Surveyor Subcontractor - Newcomb Land Surveyors       Personnel:         On-site       On-site         Brush Removal Subcontractor - A-1 Grounds       Personnel:         Qn-site       On-site         C.Altum       Yes         P.Pedilla       Yes         R.Vasquez       Yes         M.Valdivia       Yes         M.Valdivia       Yes         M.Valdivia       Yes         Morning H & S Meeting Briefing.       Conversions: 100x100 gri	
John Kertesz - Site Manager. Cell Phone: 919-690-5828       0n-site         Site Trailer Phone: 919-620-8832. FAX: 919-620-9043.       Yes         Kerry Singler - UXO QC/Safety (UXO #0262). Cell Phone: 919-690-5427       Yes         SUBCONTRACTOR       WORK FORCE         Land Surveyor Subcontractor -Newcomb Land Surveyors       Personnel:         On-site       On-site         Brush Removal Subcontractor - A-1 Grounds       0n-site         Personnel:       On-site         QR-site       On-site         C.Altum       Yes         P.Pedilla       Yes         R.Vasquez       Yes         M.Valdivia       Yes         R.Alvarado       Yes         X       Morning H & S Meeting Briefing.         Conversions : 100x100 gri	EQUIPMENT
John Kertesz - Site Manager. Cell Phone: 919-690-5828         Site Trailer Phone: 919-620-8832. FAX: 919-620-9043.         Kerry Singler - UXO QC/Safety (UXO #0262). Cell Phone: 919-690-5427         Yes         SUBCONTRACTOR         WORK FORCE         Land Surveyor Subcontractor -Newcomb Land Surveyors         Personnel:       On-site         On-site       On-site         Brush Removal Subcontractor - A-1 Grounds       On-site         P.Pedilla       Yes         P.Pedilla       Yes         R.Vasquez       Yes         M.Valdivia       Yes         M.Valdivia       Yes         Morning H & S Meeting Briefing.       Conversions : 100x100 gri	USED
Site Trailer Phone: 919-620-8832. FAX: 919-620-9043.         Kerry Singler - UXO QC/Safety (UXO #0262). Cell Phone: 919-690-5427       Yes         SUBCONTRACTOR       WORK FORCE         Land Surveyor Subcontractor -Newcomb Land Surveyors       Personnel:         On-site       On-site         Brush Removal Subcontractor - A-1 Grounds       Personnel:         Personnel:       On-site         C.Altum       Yes         P.Pedilla       Yes         R.Vasquez       Yes         M.Valdivia       Yes         X       Morning H & S Meeting Briefing.         Conversions : 100x100 gri	
Kerry Singler - UXO QC/Safety (UXO #0262). Cell Phone: 919-690-5427       Yes         SUBCONTRACTOR WORK FORCE         Land Surveyor Subcontractor -Newcomb Land Surveyors         Personnel:       On-site         On-site       On-site         Brush Removal Subcontractor - A-1 Grounds       On-site         Personnel:       On-site         On-site       On-site         Removal Subcontractor - A-1 Grounds       On-site         Personnel:       On-site         On-site       On-site         C.Altum       Yes         P.Pedilla       Yes         R.Vasquez       Yes         M.Valdivia       Yes         R.Alvarado       Yes         X       Morning H & S Meeting Briefing.         Conversions : 100x100 gri         ADDITIONAL INFORMATION:         Brush cutting continued on Tilley property. Additional subcontractor staff and equipment will brought on Monda	+
SUBCONTRACTOR         WORK FORCE         Land Surveyor Subcontractor - Newcomb Land Surveyors         Personnel:       On-site         Description         Brush Removal Subcontractor - A-1 Grounds         Personnel:       On-site         C.Altum       Yes         P.Pedilla       Yes         R.Vasquez       Yes         M.Valdivia       Yes         R.Alvarado       Yes         Ves       Image: Conversions : 100x100 grist         ADDITIONAL INFORMATION:       Brush cutting continued on Tilley property. Additional subcontractor staff and equipment will brought on Monda	+
WORK FORCE         Land Surveyor Subcontractor - Newcomb Land Surveyors       On-site         Personnel:       On-site       On-site         Brush Removal Subcontractor - A-1 Grounds       Image: Construct on the second sec	
Land Surveyor Subcontractor -Newcomb Land Surveyors       On-site         Personnel:       On-site         Brush Removal Subcontractor - A-1 Grounds         Personnel:       On-site         C.Altum       Yes         P.Pedilla       Yes         R.Vasquez       Yes         M.Valdivia       Yes         M.Valdivia       Yes         X       Morning H & S Meeting Briefing.         Conversions: 100x100 gri         ADDITIONAL INFORMATION:         Brush cutting continued on Tilley property. Additional subcontractor staff and equipment will brought on Monda	
Personnel:       On-site       On-site         Image: Straight of the straight of t	EQUIDMENT
Brush Removal Subcontractor - A-1 Grounds         Personnel:       On-site         C.Altum       Yes         P.Pedilla       Yes         R.Vasquez       Yes         M.Valdivia       Yes         R.Alvarado       Yes         X       Morning H & S Meeting Briefing.         Conversions : 100x100 gri         ADDITIONAL INFORMATION:         Brush cutting continued on Tilley property. Additional subcontractor staff and equipment will brought on Monda	EQUIPMENT
Personnel:       On-site       On-site         C.Altum       Yes       Image: Constraint of the second se	
Personnel:       On-site       On-site         C.Altum       Yes       Image: Construct of the second sec	
Personnel:       On-site       On-site         C.Altum       Yes       Image: Construct of the second sec	
Personnel:       On-site       On-site         C.Altum       Yes       Image: Construct of the second sec	
C.Altum       Yes         P.Pedilla       Yes         R.Vasquez       Yes         M.Valdivia       Yes         R.Alvarado       Yes         X       Morning H & S Meeting Briefing.         Conversions : 100x100 gri         ADDITIONAL INFORMATION:         Brush cutting continued on Tilley property. Additional subcontractor staff and equipment will brought on Monda	
P.Pedilla       Yes         R.Vasquez       Yes         M.Valdivia       Yes         R.Alvarado       Yes         X       Morning H & S Meeting Briefing.         Conversions : 100x100 gri         ADDITIONAL INFORMATION:         Brush cutting continued on Tilley property. Additional subcontractor staff and equipment will brought on Monda	
R.Vasquez       Yes         M.Valdivia       Yes         R.Alvarado       Yes         X       Morning H & S Meeting Briefing.         Conversions : 100x100 gri         ADDITIONAL INFORMATION:         Brush cutting continued on Tilley property. Additional subcontractor staff and equipment will brought on Monda	
M.Valdivia       Yes         R.Alvarado       Yes         X       Morning H & S Meeting Briefing.         Conversions : 100x100 gri         ADDITIONAL INFORMATION:         Brush cutting continued on Tilley property. Additional subcontractor staff and equipment will brought on Monda	
R.Alvarado       Yes         X       Morning H & S Meeting Briefing.         X       Morning H & S Meeting Briefing.         ADDITIONAL INFORMATION:         Brush cutting continued on Tilley property. Additional subcontractor staff and equipment will brought on Monda	
X       Morning H & S Meeting Briefing.       Conversions : 100x100 gri         ADDITIONAL INFORMATION:       Brush cutting continued on Tilley property. Additional subcontractor staff and equipment will brought on Monda	
ADDITIONAL INFORMATION: Brush cutting continued on Tilley property. Additional subcontractor staff and equipment will brought on Monda	
ADDITIONAL INFORMATION: Brush cutting continued on Tilley property. Additional subcontractor staff and equipment will brought on Monda	
ADDITIONAL INFORMATION: Brush cutting continued on Tilley property. Additional subcontractor staff and equipment will brought on Monda	1 22
through Wednesday of next week. Temporary debris piles are being staged. Chipper to be onsite approximate	ay. Work will continue
	ly once per week.
All other site details recorded in field logbooks.	
ACTIVITIES SCHEDULED FOR NEXT WORK DAY:	
Continue brush cutting.	
REQUEST FOR PROJECT ACTION None.	
VISITORS:	
Kerry Singler	
ACCIDENTS REPORTED TODAY: 0 John Kertesz	
	ENTATIVE(S)

0:		(brush cut sub & related UXO Su (land survey sub & related UXO S		DATE/DAY REPORT NO:			
		(intrusive field work and support)		KEI OKI NO. SHEET:			
DN:	Stem, NC - Granville				USAESCH, Rola	and Belew (Pl	M)
	<u></u>				Clear, 60 F		
	S OR COMPLETED Survey	:					
	Perimeter Bounda	ry Survey					
		ewcomb Land Surveyors perin	neter survey completed	. Staked every 100' and	d blue flagged.		
0	Grid Network Surv		5 1	,	00		
	Es	timated to commence on Dece	ember 9 and be complet	ted by December 19.	ACREAGE Tota	uls >>>>	0
				····, ···,			
2. Brust	Removal						
1.38	Brush Removed (2	6 acres)			ACREAGE Tota	uls >>>>	2.76
1.00		1 Grounds continued brush	out activitica at the a	vito	Menezioe Iva	110	2.70
		ote: Brush cut acreage esti					
3 Close			Indieu di 10-19 dules				
	rance Action / Intrus		( ) ( )				0
0		ion and 100 ft buffer (26 acre	es/ Mag/Dig acres)		ACREAGE Tota	us >>>>.	0
	Days Intrusive In	vestigation Details:					
P							
		PARSONS WORKF	ORCE			EQUI	PMENT
					On-site	U	SED
John Ke	rtesz - Site Manager	Cell Phone: 919-690-5828					
		919-620-8832. FAX: 919-62	0-9043				
Kerry Si		ty (UXO #0262). Cell Phone:			Yes		
Iterry 51	ngier - 070 Qe/bare	SUBCONTRACT			103		
		WORK FORCE					
L and St	www.wow Subcontract	or -Newcomb Land Surveyor			1	EQUIPMENT	
Personn		On-site	3	On-site	1	LQUII MENT	
r er sonn		Oli-site		Oli-site			
	emoval Subcontract	1 1		0.1			
Personn		On-site		On-site			
C.Altum		Yes					
P.Pedilla		Yes					
R.Vasqu		Yes					
M.Valdi R.Alvara		Yes Yes					
C.Diaz	100	Yes					
C.Diaz		1 es					
	X M	orning H & S Meeting Brief		Comunio	ns: 100x100 grid	- 23 aaros	
Brush c		ION: ed at the northwest boundated on Tilley property may perform the property may perform the property may perform the performance of the perform				nstruction cc	ontractor, di
·							
		All other	site details recorded in	ı field logbooks.			
ACTIV	TIFS SCHEDULED	FOR NEXT WORK DAY:			_		
	e brush cutting.	FOR NEAT WORK DAT.			-		
REQUE	ST FOR PROJECT	ACTION None.			-		
VISITO	RS:				-		
10110	15.51				-		
				Kerry Sing	eler		
	TS REPORTED TODAY:	0		John Kerte		NTATIVE(S)	
ACCIDEN	TS TO DATE:	0		raksons	ja i kerkesel	VIAIIVE(S)	

0:		2751 Task .05000 (					DATE/DAY			
		2751 Task .06000 (					REPORT NO: SHEET:			
DN:		em, NC - Granville		vork and suppor	()			USAESCH, Rol	and Belew (	PM)
,	50		county					Cloudy, 59 F	and Delew (	1 101)
		COMPLETED	):					,		
1. Lan		vey erimeter Boundai	m Cramo							
	re				motor oursess	ompleted. Staking	a ovor (100' or	d blue flegged		
0	G	rid Network Surv		Surveyors peril	neter survey co		gevery 100 and	u blue naggeu.		
U	0/			manaa an Day	ambar 0 and b	a completed by D	acombor 10	ACDEACE Tet	ala >>>>>	0
		ES	stimated to con	imence on Dec	cemper 9 and b	e completed by D	December 19.	ACKEAGE 100	aus >>>>.	0
1 D										
2. Brus										2.45
0.69	Bi	rush Removed (2	· · · · ·					ACREAGE Tot	als >>>>:	3.45
					ut activities at t ated at 18-19 a	he site. cres of 26 acre to	tal.			
3. Clea	arance	e Action / Intrusi	sive Investigat	ion						
0	La	akeview Subdivis	sion and 100 f	buffer (26 act	res/ Mag/Dig	g acres)		ACREAGE Tot	als >>>>	0
R	Da	ays Intrusive Inv	vestigation De	tails:						
		-								
			PAR	SONS WORK	FORCE				EOI	JIPMENT
			IAN	SOND WORK	IORCE			On-site	~	USED
L-1 77		64- M	C-II DL 2	10 (00 5920				Un-site		USED
John K		- Site Manager.			20.0042					
		te Trailer Phone:								
Kerry S	Singler	- UXO QC/Safet				7		Yes		
			SI	JBCONTRAC						
				WORK FORG						
Land S	Jurvey	or Subcontracto	or -Newcomb	Land Surveyo	ors				EQUIPMEN	IT
Person	nel:		Or	n-site			On-site			
Brush	Remo	val Subcontracto	tor - A-1 Grou	nds						
Person				n-site			On-site			
C.Altur				/es						
P.Pedil				/es						
R.Vasq				/es						
M.Vald				/es						
R.Alva				/es						
C.Diaz				/es						
C.DIUL				1 05						
	<b>—</b>	X M	lorning H & S	Monting Brig	fina		Conversio	ns: 100x100 grid	= 23 acres	
		AL INFORMAT g efforts continu		thwest bound	lary along Till	ey property and	buffer zone.			
						ecorded in field la	ogbooks.	_		
		S SCHEDULED sh cutting.	D FOR NEXT	WORK DAY	:			-		
REQU	EST F	FOR PROJECT	ACTION Not	ne.				_		
								_		
VISIT	ORS:							_		
								_		
							Kerry Sing	gler		
ACCIDE	NTS RE	EPORTED TODAY:		0			John Kerte	esz		
ACCIDE	NTS TO	DATE:		0				SI&T REPRESE	NTATIVE(S	5)
				-						,

0:		(brush cut sub & related UXO		DATE/DAY			
		(land survey sub & related UX (intrusive field work and support		REPORT NO SHEET			
DN:	Stem, NC - Granville		лт)		: USAESCH, Rol	and Belew (P	M
	Stelli, I'te Glaiving	e county			Clear/Breezy 3		
	SS OR COMPLETED	):			· <u></u> ,		
	Perimeter Bounda	urv Survev					
		ewcomb Land Surveyors per	rimeter survev complete	d. Staked every 100' and	d blue flagged.		
0	Grid Network Sur						
		stimated to commence on De	ecember 9 and be comp	leted by December 19	ACREAGE Tot	als >>>>	0
				letted by December 10.	HEREIGE IV		0
2 Brus	h Removal						
2. Brus	Brush Removed (1	19 agres)			ACREAGE Tot		4.65
1.2					ACKEAGE IM	uis	4.05
		-1 Grounds continued brush		00			
2 (1		ote: Brush cut acreage estin	nated at 18-19 acres of	26 acre total.			
	rance Action / Intrus	-				_	
0	Lakeview Subdivis	sion and 100 ft buffer (26 a	cres/ Mag/Dig acres)		ACREAGE Tot	als >>>>	0
	<b>Days Intrusive In</b>	vestigation Details:					
		PARSONS WOR	KFORCE			EQUI	PMENT
					On-site	U	SED
John Ke	ertesz - Site Manager.	Cell Phone: 919-690-5828					
		: 919-620-8832. FAX: 919-	620-9043.		1		
Kerry S		ety (UXO #0262). Cell Phot			Yes		
	Q == 0 == 0 = Q == 0 une	SUBCONTRA					
		WORK FOR					
Land S	urvevor Subcontract	or -Newcomb Land Survey			1	EQUIPMENT	
Person		On-site	013	On-site		EQUINIEN	
1 (1 5011	101.	Oli-site		Oll-Site			
					1		
Bruch	Removal Subcontract	tor A 1 Crounds			+		
Person				On aita			
		On-site		On-site			
Chris A R.Alva		Yes Yes			1		
P.Padill		Yes					
R.Vasq		Yes					
Valdibi		Yes					
C. Dias		Yes					
J. Brads		Yes					
J. Diaus		Iorning H & S Meeting Br	lofing	Conversio	ns: 100x100 grid	= 23 acres	
	IONAL INFORMAT				_		
		A11 ~41	er site details recorded	in field lanhaats			
ACTIV	THE COLLEDIN T			in field logoooks.	-		
	the brush cutting.	D FOR NEXT WORK DAY	1.		-		
REQU	EST FOR PROJECT	ACTION None.			-		
VICITY	DDC.				_		
VISITO	JK5:				_		
				и о:	-]		
	TO DEDODITED TOT			Kerry Sing			
	NTS REPORTED TODAY:			John Kerte			
ACCIDE	NTS TO DATE:	0		PARSON	<u>s</u> I&T REPRESE	NTATIVE(S)	

NO:	742751 Task .05000		<b>11</b> /		Y: <u>12/2/2002</u>	
		(land survey sub & rel		REPORT NO	<b>J:</b> <u>10</u> <b>T:</b> 1 of 1	
ON:	Stem, NC - Granville	(intrusive field work a	na support)		T: USAESCH, Rol	and Palaw (PM)
011.	Stell, NC - Oraliville	County			er: Clear, 27 F	and below (1 M)
	SS OR COMPLETED d Survey	:		weathe	<u>Clear</u> , 271	
1. Lan	Perimeter Boundar	ry Survey				·
			vors nerimeter survey o	ompleted. Staked every 100' a	nd blue flagged	
0	Grid Network Surv		yors permeter survey e	ompleted. Staked every 100 al	na blac naggea.	
			on December 9 and 1	be completed by December 19.	ACREACE Tot	als >>>> 0
				be completed by December 13.	ACKEAGE TOU	<i>us</i>
2 Dame	sh Removal					
2. Brus	Brush Removed (1	Q acres)			ACREACE Test	ala >>>>> A 65
0		,			ACREAGE Tot	als >>>>: 4.65
		brush cut today.				
			ge estimated at 18-19 a	cres of 26 acre total.		
-	arance Action / Intrusi	8				
0	Lakeview Subdivis	ion and 100 ft buff	er (26 acres/ Mag/Di	g acres)	ACREAGE Tot	als >>>>: 0
	Days Intrusive Inv	vestigation Details:				
_						
		PARSON	5 WORKFORCE			EQUIPMENT
					On-site	USED
John K	ertesz - Site Manager.	Cell Phone: 919-69	0-5828			
John K	Site Trailer Phone:					
Vonn	Singler - UXO QC/Safe			7	Vaa	
Kerry 2	singler - UNO QC/Sale		ONTRACTOR	./	Yes	
I 16			RK FORCE		1	FOLUDMENT
	Surveyor Subcontracto		Surveyors			EQUIPMENT
Person	nel:	On-site		On-site	2	
	Removal Subcontract	1				
Person	nel:	On-site		On-site	2	
Chris A		No	J. Vargas	No		
R.Alva		No				
P.Padil		No				
R.Vasq		No				
Valdibi		No				
	Castro	No				
J. Brad		No				
	X M	orning H & S Mee	ting Briefing.	Conversi	<i>ions</i> : 100x100 grid	= .23 acres
Jimmy	TIONAL INFORMAT Walker (OE Safety fo ow. Forty hour work	or COE Huntsville	arrived on-site. No b Tuesday to Friday th	rush cutting activities occurr is week.	red today, brush c	utting will resume
			All other site details r	ecorded in field logbooks.		
	/ITIES SCHEDULED ae brush cutting.	FOR NEXT WOI	RK DAY:		_	
REQU	EST FOR PROJECT	ACTION None.			_	
VISIT		Walker				
v 151 T	J.V	aikti				
				Kerry Si	ngler	
	NTS REPORTED TODAY:	0		John Ker	rtesz	NTATIVE(S)
ACCIDE	NTS TO DATE:	0	<u>-</u>	PARSO	NS I&T REPRESE	MIAIIVE(3)

NO:		742751 Task .05000 (brush cut 742751 Task .06000 (land surve			DATE/DAY: REPORT NO:	11		
		742752 Task .10000 (intrusive f	ield work a	nd support)	SHEET:			
ON:		Stem, NC - Granville County				USAESCH, Rola		PM)
DDOCD	TOCA	OD COMDI ETED.			Weather:	Clear/breezy, 33	-47 F	
		OR COMPLETED:						
1. L	anu 5	urvey Perimeter Boundary Survey						
				yors perimeter survey completed. Sta	ked every 100' and	blue flagged		
	0	Grid Network Survey (26 ac			incu every roo une	blue huggeu.		
L	-		· ·	ce on December 9 and be completed b	ov December 19.	ACREAGE Tota	uls >>>>	0
					.,			
2. Bi	rush F	Removal						
1	.3	Brush Removed (18 acres)				ACREAGE Tota	uls >>>>	5.95
			s continue	d brush cut activities at the site.				
				ge estimated at 18-19 acres of 26 acre	e total.			
3. C	leara	nce Action / Intrusive Invest	tigation					
	0	Lakeview Subdivision and 1	00 ft buff	er (26 acres/Mag/Dig acres)		ACREAGE Tota	ıls >>>>	0
		Days Intrusive Investigatio	n Details:					
			PARSON	S WORKFORCE			EQU	JIPMENT
						On-site		USED
John	Kerte	sz - Site Manager. Cell Phon	e: 919-69	0-5828		Yes		
		Site Trailer Phone: 919-620-	8832. FA	X: 919-620-9043.				
Kerr	y Sing	ler - UXO QC/Safety (UXO ;	· · · · ·			Yes		
				ONTRACTOR				
Ļ	1.6			RK FORCE				T
		veyor Subcontractor -Newco		Surveyors		1	EQUIPMEN	Г
Pers	onnel	:	On-site		On-site	1		
Brus	sh Rer	noval Subcontractor - A-1 (	Frounds					
	onnel		On-site		On-site			
Chris	s Altu	m	Yes	J. Vargas	Yes			
R.Al	varado	0	Yes					
P.Pa			Yes					
	isquez		Yes					
	ibia, N		Yes					
	ias Ca adsha		Yes Yes			ł		
J. DI	ausiia			ting Briefing.	Conversio	ns: 100x100 grid	= 23 acres	
		NAL INFORMATION:						
				ndary within buffer zone, Tilley, and been notified of temporary consolic		h on site and the	at chinning	and romoval is
		to begin next week.	UIIIlavei	been notified of temporary consolic			at chipping	anu removal is
			o flag tre	es on his property that he does no	t want cut.			
				t NCNG base will receive wood ch		m brush remova	al at Lakevi	ew Subdivision.
				All other site details recorded in fiel	ld logbooks.			
_		IES SCHEDULED FOR NE	EXT WOI	RK DAY:		_		
Cont	inue b	orush cutting.						
REC	DIFS	T FOR PROJECT ACTION	None			_		
<u>RE</u>	ULS	I FOR EROJECT ACTION	inone.			-		
VISI	TOR	S: J.Walker				_		
						-		
				-	Kerry Sing	ler		
		REPORTED TODAY:	0		John Kerte			
ACCI	DENTS	S TO DATE:	0	-	PARSONS	<u>I&amp;T REPRESEN</u>	NTATIVE(S	)
						-		

ŇO:		742751 Task .05000 (b 742751 Task .06000 (la				DATE/DAY: EPORT NO:			
	7	742752 Task .10000 (ir	ntrusive field work a	nd support)		SHEET:	1 of 1		
ON:	S	Stem, NC - Granville C	County				USAESCH, Rol		
PROGRES		R COMPLETED:				Weather:	Cloudy/freezing	rain/snow, 2	7 - 29 F
1. Lan	_	Perimeter Boundary	Survey						
	Ê			ors perimeter surv	ey completed. Staked	every 100' and	blue flagged.		
0	-	Grid Network Surve			-,				
				e on December 9 a	and be completed by De	ecember 19.	ACREAGE Tot	als >>>>	0
	-								
2. Brus	sh Re	emoval							
0.75		Brush Removed (18	acres)				ACREAGE Tot	als >>>>	6.7
			<i>.</i>	I brush cut activities	s at the site				
	-				19 acres of 26 acre tota	al.			
3. Clea	arane	ce Action / Intrusiv							
0	_	Lakeview Subdivisio	-	r (26 acres/ Ma	g/Dig acres)		ACREAGE Tot	als >>>>	0
	_	Days Intrusive Inve			5 8				
	-	Jujs inclusive inve	sugation Details.						
			PARSONS	WORKFORCE				FOU	IPMENT
			THROOM	WORKI ORCE			On-site	-	JSED
John K	ertee	z - Site Manager. Ce	ell Phone: 010.60	0-5828			On-Site		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
John K		Site Trailer Phone: 9							
Korry S		er - UXO QC/Safety			5427		Yes		
Kerry C	Jingit	A - OAO QC/Ballety		NTRACTOR	-5-27		103		
				K FORCE					
Land S	Surve	eyor Subcontractor						EQUIPMEN	Г
Person		yor subcontractor	On-site	Sarregois		On-site			-
Brush	Rem	oval Subcontractor	- A-1 Grounds			-			
Person	nel:		On-site			On-site			
Chris A	ltum	1	Yes	J. Vargas		Yes			
R.Alva	rado		Yes						
P.Padil			Yes						
R.Vasq			Yes						
Valdibi			Yes						
C. Dias	s Cast	ro	Yes						
	— <b>-</b>		rning H & S Meet				ns : 100x100 grid	- 22	
Brush	cuttir	NAL INFORMATION	ON: g southwest bour	idary within buffe	r zone and Hill prope	rty, progress		.25 00100	
Work s	stopp	ed at 1400 today	due to adverse w	eather conditions	s (snow/freezing rain)				
<u> </u>									
<u> </u>									
				All other site deta	ils recorded in field log	zbooks.			
		ES SCHEDULED I ush cutting.	FOR NEXT WOR	RK DAY:			-		
REQU	EST	FOR PROJECT A	CTION None.				-		
VISIT	ORS	. I W	alker				_		
1011	5165	. J. Wa	uinti				-		
						Kerry Sing	ler		
ACCIDE	INTS F	REPORTED TODAY:	0	•		John Kerte			
		TO DATE:	0				I&T REPRESE	NTATIVE(S	)
				•			-	. (~,	

NO:		742751 Task .05000 (brush c 742751 Task .06000 (land su			DATE/DAY REPORT NO			
		742752 Task .10000 (intrusiv			SHEET			
ON:		Stem, NC - Granville County		11 /	CLIENT	USAESCH, Ro		PM)
					Weather	Cloudy 32 F, si	gnificant ice	
		OR COMPLETED:						
1. La	ind S	urvey Perimeter Boundary Surv						
				ors perimeter survey comp	leted Staked eveny 100' an	d blue flagged		
0		Grid Network Survey (26		yors perimeter survey comp	leteu. Stakeu every 100 an	u blue llaggeu.		
0	·		,	e on December 9 and be co	mpleted by December 19	ACREAGE Tot	als >>>>	0
		Latinated			impleted by December 13.	ACKEAGE TO	ut3	0
2. Bru	ush F	emoval						
0	)	Brush Removed (18 acres	5)			ACREAGE Tot	als >>>>	6.7
		Major ice	storm conditi	ons precluded site work tod	ay.			
				ge estimated at 18-19 acres				
3. Cl	eara	nce Action / Intrusive Inv	estigation					
0	)	Lakeview Subdivision and	d 100 ft buffe	er (26 acres/Mag/Dig ac	res)	ACREAGE Tot	als >>>>	0
		Days Intrusive Investiga	tion Details:					
			PARSONS	S WORKFORCE			EQU	JIPMENT
						On-site		USED
John I	Kerte	sz - Site Manager. Cell Ph				1		
		Site Trailer Phone: 919-62					ļ	
Kerry	Sing	ler - UXO QC/Safety (UX				Yes		
				NTRACTOR				
Land	Sur	vevor Subcontractor -Nev		RK FORCE		T	EQUIPMEN	JT
Perso			On-site	Surveyors	On-site		LQUII MLI	
1 01 50			on site		on she			
		noval Subcontractor - A-	1 Grounds					
Perso			On-site		On-site			
Chris			No	J. Vargas	No			
R.Alv P.Pad		)	No No					
R.Vas			No					
Valdi			No					
C. Dia	as Ca	stro	No					
		Morning	H & S Mee	ing Briefing.	Conversio	ons: 100x100 grid	l = .23 acres	
		NAL INFORMATION						
		NAL INFORMATION:	nower outa	ge and impaired road acc	ess throughout the local	area resulting fr	om downed	nowerlines
				adverse weather condition				
-				lay. Brush cutting will res				
possi	bly e	xtending into Saturday (	12/7).					
				age in the area resultin	g in large branches and	downed trees	on portion	s of the site alr
com	olete	d. Some rework will b	e required	to remove the debris.				
				All other site details record	ded in field loghooks			
ACT	IVIT	IES SCHEDULED FOR	NEXT WOP		aca in jicia togobolis.			
		as impacted by significant				_		
						_		
REQ	UES	FOR PROJECT ACTI	ON None.			_		
						_		
VISIT	FOR	<u>s:</u>				_		
					Kerry Sin	gler		
ACCID	ENTS	REPORTED TODAY:	0		John Kert			
		TO DATE:	0			S I&T REPRESE	NTATIVE(S	5)
				-			-(-	,
						-		

0:		742751 Task .05000 (br. 742751 Task .06000 (lar			DATE/DA' REPORT NO	Y: 12/6/2002		
		742752 Task .10000 (int				<b>F:</b> 1 of 1		
N:		Stem, NC - Granville Co		11 /	CLIEN	T: USAESCH, Ro	land Belew	(PM)
					Weathe	r: Clear 30-40 F, s	significant i	ce
		OR COMPLETED:						
1. Land			<b>C</b>					
	ſ	Perimeter Boundary			pleted. Staked every 100' ar	ad blue flagged		
0		Grid Network Survey		ors perimeter survey com	pieleu. Slakeu every 100 al	id blue liagged.		
v		,	(	e on December 9 and be	completed by December 19.	ACREAGE Tot	tals >>>>	0
	-	Louin				MCREATED TO		0
2. Brush	h R	emoval						
0		Brush Removed (18 a	icres)			ACREAGE Tot	tals >>>>	6.7
		Maior	r ice storm conditi	ons precluded site work to	dav.		<b>i</b>	
	•			e estimated at 18-19 acre				
3. Clear	ran	ce Action / Intrusive	Investigation					
0		Lakeview Subdivision	1 and 100 ft buffe	r (26 acres/ Mag/Dig a	cres)	ACREAGE Tot	als >>>>	0
		Days Intrusive Inves	tigation Details:					
			PARSONS	WORKFORCE			EQ	UIPMENT
						On-site		USED
John Ke		sz - Site Manager. Cel						
		Site Trailer Phone: 91				4	<u> </u>	
Kerry Si	ing	er - UXO QC/Safety (		ell Phone: 919-690-5427		Yes	<u> </u>	
				NTRACTOR				
Land St		eyor Subcontractor -		K FORCE			EQUIPME	NT
Personn		1	On-site	Surveyors	On-site		EQUINE	111
I CI SUIII	ici.		Oll-Site		011-5110			
Brush R	Ren	ioval Subcontractor	- A-1 Grounds					
Personn			On-site		On-site	;		
Chris Al			No	J. Vargas	No			
R.Alvara P.Padilla			No No			-		
R.Vasqu			No					
Valdibia		[	No					
C. Dias	Cas	stro	No					
		Mori	ning H & S Meet	ing Briefing.	Conversi	ions: 100x100 grid	I = .23 acres	5
ADDIT	10	NAL INFORMATIO	DN:					
Trees o	on	inue to be felled by	weight of ice thr	oughout local area Po	wer and phone line outag	es persist Brus	sh-cuttina e	effort cancelled
					well as limited driveablity			
		d conditions, brush r			· · · · · · · · · · · ·			
J.Walke	er h	as departed from sit	te.					
					ng in large branches an	d downed trees	on portio	ns of the site alre
comple	ete	d. Some rework wi	ill be required t	o remove the debris.				
				All other site details reco	ndad in field laghaaks			
ACTIV	ITI	ES SCHEDIII ED E			raea in fiela logoooks.			
		ES SCHEDULED For rush cutting.	UNITEAL WUR	N DAL.		_		
	_	as impacted by signific	cant ice storm da	nage.				
		FOR PROJECT AC				_		
						_		
VISITO	DRS							
					···	<u> </u>		
1 COMPT	ETC.	DEBODIED TOP 11			Kerry Si	~		
		REPORTED TODAY:	0		John Ker	tesz √S I&T REPRESE	NTATIVE	(\$)
ACCIDEN	15	TO DATE:	0		raksur	10 I KERKESE	INTATIVE(	(5)
						_		

0:	742751 Task.05000 (brush cut sub & related UXO Support)         DATE/DAY: 12/7/2002           742751 Task.06000 (land survey sub & related UXO Support)         REPORT NO: 15								
		742752 Task .10000 (intrusiv	e field work a	nd support)		SHEET:	1 of 1		
DN:		Stem, NC - Granville County					USAESCH, Rol	and Belew	(PM)
						Weather:	Clear 17-43 F		
		OR COMPLETED:							
1. Lanc									
	I	Perimeter Boundary Surv				100			
0				ors perimeter survey cor	npleted. Staked eve	ery 100 and	blue flagged.		
0		Grid Network Survey (26		December 0 and b					0
		Estimated	to commend	e on December 9 and be	completed by Dece	mber 19.	ACREAGE Tot	als >>>>.	0
2. Brus	nк		)						( 7
0		Brush Removed (18 acres	,				ACREAGE Tot	ais >>>>.	6.7
				er multi-day weather susp		eviously clea	ared areas.		
2 (1				ge estimated at 18-19 ac	es of 26 acre total.				
	rar	ce Action / Intrusive Invo	8	(2) ( ) ( )	1				0
0		Lakeview Subdivision and		r (26 acres/ Mag/Dig	acres)		ACREAGE Tot	als >>>>.	0
		Days Intrusive Investigat	tion Details:						
I			D / D 2 03	NORWEOF 25					
			PARSONS	WORKFORCE			<u> </u>	EC	QUIPMENT
x 1 x-		a: 14 a r =:	010				On-site		USED
John Ke		z - Site Manager. Cell Ph							
и ~		Site Trailer Phone: 919-62					N/		
Kerry Si	ıng	er - UXO QC/Safety (UXO	/	ell Phone: 919-690-5427 NTRACTOR			Yes		
L and S		eyor Subcontractor -New		K FORCE				EQUIPME	'NT
Personr		eyor Subcontractor -inew	On-site	Surveyors		On-site		EQUIFINE	1 <b>N 1</b>
I CI SUIII	ici.		Oll-Site			Oll-Site			
Brush F	Ren	oval Subcontractor - A-1	1 Grounds						
Personn			On-site			On-site			
Chris Al	ltur	n	Yes	J. Vargas		No			
R.Alvar			Yes						
P.Padilla	a		Yes						
R.Vasqu			Yes						
Valdibia			Yes						
C. Dias	Ca	stro	Yes						
			HAGN			C		- 22	
ADDIT	10	X Morning	H & S Meet	ing Briefing.		Conversion	<i>ts</i> : 100x100 grid	1 = .23 acre	<u>.</u>
		ush-cutting occurred tod eas following ice storm							
		cleared. Removal of ne						ignout site	e, including area
		phone have not yet bee							
		communications have a							
<u></u>									
The str	orn	has caused significar	nt tree dam	age in the area result	ing in large bran	ches and	downed trees	on portio	ns of the site alm
-		d. Some rework will be			5				
<u></u>									
				All other site details rec	orded in field look	ooks			
ACTIV	ITI	ES SCHEDULED FOR	NEXT WOP		in jielu logbi				
		rush cutting.	ALAI WUR				•		
Finish re	ecle	ar areas impacted by signi		rm damage.					
VISITO	DRS	:							
						Kerry Sing	ler		
ACCIDEN	JTS	REPORTED TODAY:	0			John Kerte			
		TO DATE:	0				I&T REPRESE	NTATIVE	(S)
				•					× /

0:	_	742751 Task .05000 (b	rush cut sub & relat	ed UXO Support)		DATE/DAY:	12/9/2002		
	_	742751 Task .06000 (la		11 /	R	EPORT NO:			
		742752 Task .10000 (in		nd support)		SHEET:			
DN:	-	Stem, NC - Granville C	County				USAESCH, Rol Clear 27-40 F	and Belew (I	РМ)
PROGRESS 1. Land		R COMPLETED:				······································			
1. Lanu	-	Perimeter Boundary	Survey					<u> </u>	
	ſ			yors perimeter survey c	ompleted. Staked	every 100' and	blue flagged.		
6		Grid Network Surve		,,,.		,	00		
		New	comb Land Surve	yors begin installation o	f grid network		ACREAGE Tot	als >>>>	6
	-								
2. Brush	_								
0.46		Brush Removed (18	acres)				ACREAGE Tot	als >>>>	7.16
	-	Note	e: Brush cut acrea	ge estimated at 18-19 a	acres of 26 acre tota	<u>a</u> l.			
3. Clear		ce Action / Intrusiv							
0	j	Lakeview Subdivisio	on and 100 ft buff	er (26 acres/ Mag/Di	g acres)		ACREAGE Tot	als >>>>	0
	]	Days Intrusive Inve	estigation Details:						
			DADGON	WORKFORGE			-	FOL	
			PARSON	S WORKFORCE			On-site	-	JIPMENT USED
John Ker	ter	z - Site Manager. C	ell Phone: 010_60	0-5828			On-Site		JED
John Kel		Site Trailer Phone: 9							
Kerry Sir				ell Phone: 919-690-542	27		Yes		
	<u> </u>	st - Escort - Tech II (	· · · ·				Yes		
				ONTRACTOR					
				RK FORCE		-			
		eyor Subcontractor		Surveyors				EQUIPMEN	Т
Personne Drien Der			On-site			On-site			
Brian Par Lee Over			Yes Yes						
	01	1	105						
Brush R	em	oval Subcontractor	r - A-1 Grounds			-			
Personne	el:		On-site			On-site			
Chris Alt			Yes	J. Vargas		No			
R.Alvara P.Padilla			Yes						
R.Vasque			Yes Yes						
Valdibia,			Yes						
C. Dias C	-		Yes						
			rning H & S Mee	ting Briefing.		Conversion	<i>ts</i> : 100x100 grid	= .23 acres	
		NAL INFORMATION sited his property f		ved what appeared as	s tailfins approxim	nately 75 ft ea	st of his garage	e. Mr.Cash	brought this
discover	ry t	o the attention of k	K.Singler who ide	entifed the item as an	expended 81mm	mortar.			
			perform function	of land survey escor	t. Land surveyors	have returne	d to begin esta	blishment o	f grid network
-		w Subdivision.	noval of homored	us doadfall and as	olidation				
Brush cl	ea	rance focus on ren	noval of nazardo	us deadfall and cons	ulidation.				
				All other site details r	ecorded in field log	gbooks.			
		ES SCHEDULED I ush cutting and insta							
REQUE	ST	FOR PROJECT A	CTION None.						
VISITO	RS	:							
ACCIDEN	TS	REPORTED TODAY:	0	<del>,</del>		Kerry Sing John Kertes			
ACCIDEN			0	-			I&T REPRESE	NTATIVE(S	)

NO:	742751 Task .05000 (brush 742751 Task .06000 (land s			DATE/DAY: REPORT NO:			
	742752 Task .10000 (intrus			SHEET:			
ON:	Stem, NC - Granville Count				USAESCH, Rol	and Belew (F	PM)
		2			Cloudy w/ rain 3		,
PROGRESS 1. Land	OR COMPLETED: Survey						
	Perimeter Boundary Sur						
(			yors perimeter survey completed.	Staked every 100' and	blue flagged.		
6	Grid Network Survey (2)		yors continue installation of grid net	huade	ACREAGE Tota		12
	Newcon	ID Land Surve	yors continue installation of grid her	LWOIK	ACKEAGE TOU	us	12
2. Brush	Removal						
1	Brush Removed (18 acre	25)			ACREAGE Tota	uls >>>>	8.16
		ut activities in p	progress				
			ge estimated at 18-19 acres of 26 a	acre total.			
3. Cleara	ance Action / Intrusive In	vestigation					
0	Lakeview Subdivision ar	nd 100 ft buffe	er (26 acres/ Mag/Dig acres)		ACREAGE Tota	uls >>>>	0
	Days Intrusive Investig	ation Details:					
		PARSONS	S WORKFORCE			EQU	IPMENT
		-			On-site	-	JSED
John Kert	esz - Site Manager. Cell P						
V C	Site Trailer Phone: 919-6				\$7		
	gler - UXO QC/Safety (UZ rist - Escort - Tech II (UX)		en Phone: 919-690-5427		Yes Yes		
Jin Gich	1151 - ESCOIT - TECH II (UX)		NTRACTOR		1 65		
		WOF	RK FORCE				
	veyor Subcontractor -Ne		Surveyors		1	EQUIPMEN	Г
Personne		On-site		On-site			
Brian Par Lee Overt		Yes Yes					
Lee Oven	1011	1 05					
Brush Re	emoval Subcontractor - A	-1 Grounds					
Personne	l:	On-site		On-site			
Chris Altu		Yes	J. Vargas	No			
R.Alvarac	lo	Yes					
P.Padilla R.Vasque	2	Yes Yes					
Valdibia,		Yes					
C. Dias C		Yes					
D.Reyes		Yes					
	ONAL INFORMATION:	-	ting Briefing. property and buffer zone.	Conversion	<b>15</b> : 100x100 grid	= .23 acres	
	veyors continued staking						
			All other site details recorded in t	field laghacts			
ACTIVE	FIES SCHEDULED FOR	NEXT WOL	All other site details recorded in f	nem togoooks.	-		
	brush cutting and installati						
REOUES	ST FOR PROJECT ACT	ION None					
VISITOR	88:						
				Kerry Sing	ler		
	'S REPORTED TODAY: 'S TO DATE:	0	-	John Kerte		NTATIVE(S)	)

0:		42751 Task .05000 (brush o 42751 Task .06000 (land su			DATE/DAY: REPORT NO:				-
		2752 Task .10000 (intrusiv		** /	SHEET:				
N:		em, NC - Granville County				USAESCH, Rol	and Belew (I	PM)	
					Weather:	Cloudy w/ rain 3	34-43 F		
PROGRESS 1. Land	Sur								
	P	erimeter Boundary Sur	2						
	_			yors perimeter survey completed.	Staked every 100' and	blue flagged.			
0	G	rid Network Survey (26	,				. –		-
	_	Newcom	b Land Surve	yors suspended due to weather.		ACREAGE Tota	uls >>>>	12	]
1 Dh	<b>D</b>	1							
2. Brush 0.5	_	noval rush Removed (18 acre	a)			ACREAGE Tota	ala >>>>	9 ( (	1
0.5	D	,	,			ACKEAGE TOU	us	8.66	1
	_		t activities in	progress. age estimated at 18-19 acres of 26	Sacre total				
3 Clear	anc	e Action / Intrusive Inv							
0. Cicai	_	akeview Subdivision an	0	er (26 acres/ Mag/Dig acres)		ACREAGE Tota	115 >>>>	0	1
0	_	ays Intrusive Investiga				nenenter of		v	4
	D	ays intrusive investiga	tion Details.						
			PARSON	S WORKFORCE		On-site		JIPMENT USED	1
John Kor	teez	- Site Manager. Cell Ph	one: 010 60	00-5828		Ju-site		JUD	1
John Kel		te Trailer Phone: 919-62							l
Kerry Sir				Cell Phone: 919-690-5427		Yes			l
	<u> </u>	- Escort - Tech II (UXC				No			1
				ONTRACTOR					1
				RK FORCE					
		or Subcontractor -New				1	EQUIPMEN	Т	
Personne			On-site		On-site				ļ
Brian Par			No						ł
Lee Over	ton		No	+					l
Brush P	emo	val Subcontractor - A-	1 Grounds	<u>I</u>					1
Personne			On-site		On-site				l
Chris Alt			Yes	J. Vargas	No				1
R.Alvara			Yes						1
P.Padilla			Yes						
R.Vasque			Yes						
Valdibia,		20	Yes Yes						
C. Dias C D.Reyes		0	Yes						1
D.Reyes	Т	X Morning		ting Briefing.	Conversion	ns : 100x100 grid	= .23 acres		
ADDITI	ON.	AL INFORMATION:	,	ung zriving.					
			ather condit	tions, focus on removal of cutti	ngs.				-
									-
									-
									-
									-
									•
_									
				All other site details recorded in	n field logbooks.				
		S SCHEDULED FOR							
Continue	bru	sh cutting and installation	on of grid net	<u>wor</u> k.					
REOUE	STI	FOR PROJECT ACTI	ON None			-			
<b>NEQUE</b>	511	ON I NOJEC I ACH	on none.			-			
VISITO	RS:					-			
						- -			
					Kerry Sing				
		EPORTED TODAY:	0	-	John Kerte			0	
ACCIDEN	1510	J DATE:		<u>,</u>	PARSONS	I&T REPRESE	VIAIIVE(S	9	

iO:	742751 Task .05000 (b			DATE/DAY:			
	742751 Task .06000 (la		/	REPORT NO:			
N.	742752 Task .10000 (in		nd support)	SHEET:		and Dalary (D	MO
DN:	Stem, NC - Granville C	Jounty		CLIENT: Weather:	USAESCH, Rol Overcast 38-49	F	WI)
PROGRESS 1. Land S	OR COMPLETED: Survey						
	Perimeter Boundary	v Survey					
<u> </u>			ors perimeter survey complexity	eted. Staked every 100' and	blue flagged.		
4	Grid Network Surve	y (26 acres)			ACREAGE Tot	als >>>>	16
					ACKEAGE TOU	uus	10
2. Brush l							
0.6	Brush Removed (18	,			ACREAGE Tot	als >>>>	9.26
		sh cut activities in p	progress. ge estimated at 18-19 acres	of 26 para total			
3. Cleara	nce Action / Intrusiv		ge estimated at 16-19 acres	<u>oi zo acre tota</u> i.			
0	Lakeview Subdivisio	-	er (26 acres/Mag/Dig acr	es)	ACREAGE Tot	als >>>>	0
	Days Intrusive Inve	estigation Details:					
		DADCONG	WORKFORCE			FOU	DMENT
		PARSONS	S WORKFORCE		On-site	-	PMENT SED
John Kerte	esz - Site Manager. Ce	ell Phone: 919-69	0-5828		No		
	Site Trailer Phone: 9						
		· · · · ·	ell Phone: 919-690-5427		Yes		
Jim Gilch	rist - Escort - Tech II (		NTRACTOR		No		
			RK FORCE				
	veyor Subcontractor	-Newcomb Land				EQUIPMENT	
Personnel		On-site		On-site		ODQ/T	
Brian Pari Lee Overt		Yes Yes				GPS/Transits	
Lee oven		105					
	moval Subcontractor						
Personnel Chris Altu		On-site Yes	J. Vargas	On-site No	1 ton dumpt	truc, chainsaw	s machattas
R.Alvarad		Yes	J. Vargas J. Vasquez	Yes	1 ton dump	uuc, chamsaw	s, machettes.
P.Padilla		Yes	J. Hernandez	Yes			
R.Vasquez Valdibia, 1		Yes Yes					
C. Dias Ca		Yes					
D.Reyes		Yes					
Brush cle Significar	DNAL INFORMATIO	lisposal of previo wned trees follow	usly cut large logs (too big ving ice storm damage the	for chipper) to landfill.	ns : 100x100 grid		
<u>Lana Odi</u>							
Office ph	one connection resto	ored. Had been	out for a number of days f	ollowing ice storm.			
·							
				ad in Gald lack aska			
			All other site details record	ea in jiela logoooks.			
	<b>TES SCHEDULED F</b> orush cutting and insta		RK DAY:	ea în fietă logoooks.			
Continue l	orush cutting and insta	allation of grid netw	RK DAY:	eu în fielu logoooks.	 - -		
Continue l		allation of grid netw	RK DAY:	eu în fielu logoooks.			
Continue l	orush cutting and insta	allation of grid netw	RK DAY:	ea în fiela logoooks.	-		
Continue I REQUES	orush cutting and insta	allation of grid netw	RK DAY:		- - - - -		
Continue   REQUES	orush cutting and insta	Allation of grid networks and a second secon	RK DAY: vork.	Kerry Sing John Kerte	esz		
Continue   REQUES	Drush cutting and instant T FOR PROJECT A S: S: S REPORTED TODAY:	Illation of grid network of gr	RK DAY: vork.	Kerry Sing John Kerte		NTATIVE(S)	

D:		2751 Task .05000 (bru 2751 Task .06000 (lan			DATE/DAY REPORT NO			
		2752 Task .10000 (inti			SHEET			
N:	Ste	m, NC - Granville Co	unty			: USAESCH, Rol	and Belew (I	PM)
DOCDESS		COMPLETED:			Weather	: Rain, 40-43 F		
1. Land								
	Pe	rimeter Boundary S	Survey					
0	6			eyors perimeter survey comple	ted. Staked every 100' an	d blue flagged.		
0	Gr	id Network Survey		ties suspended due to rain.		ACREAGE Tot		16
		Lanu	Surveyors activi			ACKEAGE TOU	<i>us</i> .	10
2. Brush	Rem	oval						
0.25	Br	ush Removed (18 a	cres)			ACREAGE Tota	als >>>>	9.51
				ow due to weather, suspended				
3 Clean	anaa			age estimated at 18-19 acres o	of 26 acre total.			
3. Clean		Action / Intrusive keview Subdivision		er (26 acres/ Mag/Dig acre	25)	ACREAGE Tota	als >>>>	0
		ys Intrusive Invest			~/			
		•	8					
			PARSON	S WORKFORCE			-	JIPMENT
T 1 YZ		0% M		0.5000		On-site	ι	USED
John Ker		Site Manager. Cel e Trailer Phone: 919				No		
Kerry Sir				Cell Phone: 919-690-5427		Yes		
	-	Escort - Tech II (U	XO #0341)			No		
		X		ONTRACTOR				
Lande		n Subcontro-to		RK FORCE		, ,	EQUIPMEN	т
Land Su Personne		or Subcontractor -	Newcomb Land On-site		On-site	1	LQUIPMEN	1
Brian Par			No		011 5110			
Lee Over	ton		No					
Druch D	0000	al Subcontractor -	A 1 Crounds					
Personne		ai Subcontractor -	On-site		On-site			
Chris Alt			Yes	J. Vargas	No	1 ton dumpti	ruck, chainsa	ws, machettes.
R. Alvard			Yes	J. Vasquez	No			
P.Padilla R.Vasque			Yes Yes	J. Hernandez S. Ochoa	Yes Yes	+		
A. Sanch			No	S. Ochoa	1 05			
C. Dias C	Castro	)	Yes					
D.Reyes	-		Yes			ons: 100x100 grid	- 22	
ADDITI	ONA	X Morn	iing H & S Mee N:	ang brienng.	Conversio	. 100x100 grid	25 acres	
Brush cl	eara	nce and offsite dis	posal of previo	ously cut large logs (too big				
		fort removing dow postponed due to		wing ice storm damage tha	t would otherwise not ha	ave been remove	ed.	
		activities cancelle						
ACTIVE	тіба	SCHEDULED FO	DD NEVT WO	All other site details recorde	ea in fiela logbooks.			
		h cutting and install				_		
REQUE	ST F	OR PROJECT AC	TION None.			_		
VISITO	RS:					_		
				_	Kerry Sin	gler		
ACCIDENT		PORTED TODAY: DATE:	(	-	John Kert PARSON	<u>e</u> sz S I&T REPRESEI	NTATIVE(S	5)

0:	_	42751 Task .05000 (brush cut 42751 Task .06000 (land surve			DATE/DAY REPORT NO			
	_	42752 Task .10000 (intrusive :			SHEET			
N:	S	tem, NC - Granville County				USAESCH, Rol		PM)
DOCDECC		COMPLETED			Weather	: Part Cloudy/bre	ezy 34-60 F	
PROGRESS 1. Land		R COMPLETED:						
1. Lanu	_	erimeter Boundary Survey	,					
	Ê			yors perimeter survey completed. Stal	ked every 100' and	d blue flagged.		
0	0	Grid Network Survey (26 ad						
		Land Surve	yors not wo	orking today resulting from personnel il	Iness.	ACREAGE Tot	als >>>>	16
	_							
2. Brush	Re	moval						
0.75	B	Brush Removed (18 acres)				ACREAGE Tot	als >>>>	10.26
	_	Note: Brus	h cut acrea	ge estimated at 18-19 acres of 26 acre	e total.			
3. Clear:	_	e Action / Intrusive Inves akeview Subdivision and I	-	er (26 acres/Mag/Dig acres)		ACREAGE Tot	als >>>>	0
0	_	ays Intrusive Investigatio				MCKENGE 100	uis	0
<b></b>								
			PARSONS	S WORKFORCE				JIPMENT
John V.	ter	Site Manager C-11 D	no: 010 CO	0 5020		On-site		USED
John Ker		x - Site Manager. Cell Phor ite Trailer Phone: 919-620-				No		
Kerry Sie		r - UXO QC/Safety (UXO				Yes		
		- Escort - Tech II (UXO #		en i none. 717-070-0 <del>4</del> 27		No		
				NTRACTOR				
				RK FORCE				
		yor Subcontractor -Newc		Surveyors			EQUIPMEN	Т
Personne			On-site		On-site	-		
Brian Par Lee Over			No No					
Lee Over	ton		INO					
Brush Re	emo	oval Subcontractor - A-1	Grounds	I				
Personne			On-site		On-site			
Chris Alt	tum		Yes	J. Vargas			ruck, chainsa	aws, machettes.
B. Tello			Yes	J. Vasquez	No	Bobcat		
P.Padilla R.Vasque			Yes Yes	J. Hernandez S. Ochoa	Yes Yes			
A. Sanch			No	M. Neri	Yes			
C. Dias C		ro	Yes	M. Rojas	Yes			
D.Reyes			Yes					
	L	X Morning H	I & S Mee	ting Briefing.	Conversio	ns: 100x100 grid	l = .23 acres	
		AL INFORMATION:						
				usly cut large logs (too big for chip	per) to landfill.			
Continue	ed o	cutting and creating cons	olidated p	iles for chipping.				
	_							
				All other site details recorded in field	d logbooks			
ACTIVI	TIF	S SCHEDULED FOR N	<u>EXT WO</u> F	-		_		
Continue	bru	sh cutting and installation	of grid net	<u>vor</u> k.		-		
REQUES	ST	FOR PROJECT ACTION	N None.			-		
VISITO	RS·					-		
, 15110						_		
				_	Kerry Sing			
		EPORTED TODAY:	0		John Kerte			
ACCIDENT	TS T	O DATE:	0	-	PARSON	<u>s</u> i&t represe	NTATIVE(S	5)
						-		

NO:	742751	Task .05000 (brush cut s Task .06000 (land surve	y sub & rel	ated UXO Supp		DATE/DAY REPORT NO:	22		
		Task .10000 (intrusive f	ield work a	nd support)		SHEET		10.1	<b>D</b> 0
ON:	Stem, N	C - Granville County					: USAESCH, Rol : Overcast 32-44		(PM)
PROGRESS 1. Land		MPLETED:				weather	: Overcast 32-44	Г	
		ter Boundary Survey							
				yors perimeter	survey completed.	Staked every 100' and	d blue flagged.		
10	Grid N	etwork Survey (26 ac	res)						
		Land Survey	ors augme	ented team in	effort to complete ne	twork installation toda	yACREAGE Tot	als >>>>	26
2. Brush	Removal								
1.5	Brush	Removed (18 acres)					ACREAGE Tot	als >>>>	11.76
					o expedite progress				
				ge estimated a	at 18-19 acres of 26	acre total.			
		ion / Intrusive Invest	0						
0		ew Subdivision and 1			_ Mag/Dig acres)		ACREAGE Tot	als >>>>	0
	Days II	ntrusive Investigatio	n Details:						
					<u></u>				
		]	PARSONS	5 WORKFOR	CE			-	UIPMENT
			0.4.5				On-site		USED
John Ker		Manager. Cell Phon					Yes		
<b>1</b> 7 ~:		ailer Phone: 919-620-							
		COQC/Safety (UXO		ell Phone: 919	9-690-5427		Yes		
Jim Gile	nrıst - Esc	ort - Tech II (UXO #0	,				Yes		
				NTRACTOR RK FORCE	-				
Land Su	TVOVOT ST	ubcontractor -Newco						EQUIPMEN	T
Personn		ascontractor -newco	On-site	Juiveyors		On-site		- COLLINEL	• •
Brian Pa			Yes	Tim Newcon	nb	Yes	2 0	PS Units/tr	ansits
Lee Over			Yes			105			
Tom Wa			Yes						
		ubcontractor - A-1 G	Grounds						
Personn			On-site			On-site			
Chris Alt	tum		Yes	R. Alvardo		Yes		ruck, chains	aws, machettes.
E. Tello			Yes	P. Vasquez		Yes	Bobcat		
P.Padilla			Yes	J. Hernandez		Yes			
R.Vasqu G Davis	ez		Yes Yes	S. Ochoa M. Neri		Yes Yes			
C. Dias C	Castro		Yes	M. Neri M. Rojas		Yes			
D.Reyes	Justio		Yes	O. Escobar		Yes			
		X Morning H		ting Briefing.			ns: 100x100 grid	= .23 acres	
ADDITI	ONAL IN	FORMATION:		8 8			-		
Brush cl	earance	and offsite disposal							
Continu	ed cutting	g and creating conso	olidated p	iles for chipp	oing. All efforts to a	complete brush cutti	ing.		
Land su	rvey of gr	rid network complet	ed.						
·									
				All other site	details recorded in	field laghaaks			
		HEDULED FOR NE	EXT WOF			J.C. 10 2000 KS.			
Continue	brush cut	tting.							
REQUE	ST FOR	PROJECT ACTION	None.				_		
VISITO	RS:						-		
							-		
				-		Kerry Sing			
		ED TODAY:	0	-		John Kerte			<b>a</b> )
ACCIDEN	TS TO DAT	E:	0	-		PARSONS	S I&T REPRESE	NTATIVÉ(S	8)
							-		

3 NO:	742751 Task .05000 (bru 742751 Task .06000 (lan 742752 Task .00000 (int	d survey sub & rel	ated UXO Support)	DATE/DAY: REPORT NO: SHEET:	23		
TON:	742752 Task .10000 (intr Stem, NC - Granville Co		nd support)		USAESCH, Rol	and Belew (	PM)
	bitin, ite bitaitine ee	unty		Weather:	PC 34-46 F	und Bereit (1	
N PROGRESS 1. Land	OR COMPLETED: S <u>urvey</u>						
	Perimeter Boundary S						
10			yors perimeter survey completed. Si	taked every 100' and	blue flagged.		
10	Grid Network Survey		npleted grid network installation.		ACREAGE Tot	ala >>>>	26
	Lanu	Surveyor has cor	ipieted grid network installation.		ACKEAGE 100	ais >>>>.	20
2 Brush	Removal						
1.25	Brush Removed (18 a	cres)			ACREAGE Tot	als >>>>	13.01
		,	ed Brush cut team personnel to exp	edite progress			
			ge estimated at 18-19 acres of 26 ac				
3. Clear	ance Action / Intrusive	Investigation					
0	Lakeview Subdivision	and 100 ft buffe	er (26 acres/Mag/Dig acres)		ACREAGE Tot	als >>>>	0
	Days Intrusive Invest	igation Details:					
		PARSONS	S WORKFORCE			EQU	JIPMENT
					On-site	τ	USED
John Ker	tesz - Site Manager. Cel				No		
	Site Trailer Phone: 919					ļ	
Kerry Sir	gler - UXO QC/Safety (	UXO #0262). C	ell Phone: 919-690-5427		Yes	ļ	
		aumoo	NUTRACTOR				
			NTRACTOR				
Land Su	rveyor Subcontractor -		RK FORCE Surveyors		r	EQUIPMEN	Т
Personne		On-site	Surveyors	On-site		EQUITIEN	1
		on site		on blue			
Land Sur	vey Activities Completed	d					
	emoval Subcontractor -						
Personne		On-site		On-site	<u> </u>		1
Chris Alt E. Tello	um	Yes No	R. Alvardo P. Vasquez	Yes Yes	5-ton dumpt Bobcat	ruck, chainsa	iws, machettes.
P.Padilla		Yes	J. Hernandez	Yes	DUDCAL		
R.Vasque	Z	No	S. Ochoa	Yes			
G Davis		No	R. Rangel	Yes			
C. Dias C	astro	Yes	H. Regalado	Yes			
D.Reyes	I	Yes	A. Sanchez	Yes	100 100 1		
	ONAL INFORMATIO				<i>ns</i> : 100x100 grid	1 = .23 acres	
			usly cut large logs (too big for ch				
Continue	ed cutting and creating	consolidated p	iles for chipping. All efforts to co	mplete brush cutti	ng.		
			All other site details recorded in fi	eld logbooks.			
	TIES SCHEDULED FO	<u>DR NEXT WOF</u>	RK DAY:		-		
REQUE	ST FOR PROJECT AC	TION None.			-		
VISITO	RS:				-		
	TS REPORTED TODAY: TS TO DATE:	0	-	Kerry Sing John Kerte PARSONS		NTATIVE(S	)
					-		

B NO:	742751 Task .05000 (brush 742751 Task .06000 (land 742752 Task .10000 (intrus	survey sub & rela	ated UXO Support)	DATE/DAY: REPORT NO: SHEET:	24		
TION:	742752 Task .10000 (intrus Stem, NC - Granville Cour		nd support)		USAESCH, Rol	and Belew (I	PM)
11011	bieni, ive Gianvine cou	ny			Rain 41-44 F	und Delew (1	
IN PROGRESS 1. Land							
	Perimeter Boundary Su	2	ors perimeter survey completed. Si	taked even 100' and	blue flegged		
10	Grid Network Survey (2		ors perimeter survey completed. S	laked every 100 and	blue llaggeu.		
			npleted grid network installation.		ACREAGE Tot	als >>>>	26
2. Brush 0.25	Removal Brush Removed (18 acr	(26)			ACREAGE Tot		13.26
0.23		2	ed work and caused afternoon postp	onement	ACKEAGE 100		13.20
			ge estimated at 18-19 acres of 26 ac				
3. Cleara	ance Action / Intrusive In						
0	Lakeview Subdivision a		r (26 acres/Mag/Dig acres)		ACREAGE Tot	als >>>>	0
	Days Intrusive Investig	gation Details:					
		DADSONS	WORKFORCE			FOL	IPMENT
		IAKSUNS	WORKFURCE		On-site	-	JSED
John Ker	tesz - Site Manager. Cell	Phone: 919-69	0-5828		No		
	Site Trailer Phone: 919-	620-8832. FAX	X: 919-620-9043.				
Kerry Sir	gler - UXO QC/Safety (U	XO #0262). C	ell Phone: 919-690-5427		Yes		
		RIDCO	NTRACTOR				
			NTRACTOR K FORCE				
Land Su	rveyor Subcontractor -N				]	EQUIPMEN	Т
Personne	21:	On-site		On-site			
1 10							
Land Sur	vey Activities Completed						
Brush R	emoval Subcontractor - A	A-1 Grounds					
Personne		On-site		On-site			
Chris Alt	um	Yes	R. Alvardo	Yes		ruck, chainsa	ws, machettes.
E. Tello P.Padilla		No Yes	P. Vasquez J. Hernandez	Yes Yes	Bobcat		
R.Vasque	Z		S. Ochoa	Yes			
G Davis		No	R. Rangel	Yes			
C. Dias C	lastro		H. Regalado	Yes			
D.Reyes	X Mornin	Yes ng H & S Meet	A. Sanchez	Yes Conversion	ns : 100x100 grid	= .23 acres	
	ONAL INFORMATION	:					
			usly cut large logs (too big for ch				
Continue	ed cutting and creating c	consolidated p	iles for chipping. All efforts to co	omplete brush cutti	ng.		
			411 /1 1/ 1/ 11 1 1 1				
ACTIVE	TIES SCHEDULED FO	D NEVT WOP	All other site details recorded in fi	eld logbooks.			
	brush cutting.	<u>R NEXT WOR</u>	K DAY:		-		
REQUES	ST FOR PROJECT ACT	TION None.			-		
VISITO	RS:				-		
	TS REPORTED TODAY: TS TO DATE:	0		Kerry Sing John Kerte PARSONS		NTATIVE(S	)

O: 74	2751 Task .05000 (brush cu	t sub & rel	ated UXO Support)	DATE/DAY:	12/21/2002		
74	2751 Task .06000 (land sur	vey sub &	elated UXO Support)	REPORT NO:	25		
74	2752 Task .10000 (intrusive	e field work	and support)	SHEET:	1 of 1		
N: St	em, NC - Granville County			CLIENT:	USAESCH, Roland	d Belew (I	PM)
				Weather:	Cloudy/Breezy 34-	-58 F	
PROGRESS OF	R COMPLETED:						
1. Land Sur	vey						
P	erimeter Boundary Surve	v					
	Newcomb I	and Surv	eyors perimeter survey completed.	Staked every 100'	and blue flagged.		
0 G	rid Network Survey (26 a	cres)					
	Land Surve	yor has co	ompleted grid network installation.		ACREAGE Totals	>>>>	26
2. Brush Re	moval						
	rush Removed (18 acres)				ACREAGE Totals	>>>>	14.8
1.01 D	ush Removed (10 deres)				ACKEAGE TOURS		14.0
_	Nata: Door	h	and antimated at 10 10 and a f 00	a ava dadal			
2 (1	e Action / Intrusive Inve		age estimated at 18-19 acres of 26	acre total.			
		0	(		ACDE ACE T-4-1-		0
	akeview Subdivision and	0 00			ACREAGE Totals	,,,,,	U
D	ays Intrusive Investigation	on Details	:				
-							
	I	PARSONS	WORKFORCE			EQU	IPMEN'
					On-site	U	SED
John Kertesz	- Site Manager. Cell Pho	ne: 919-6	90-5828		No		
Si	ite Trailer Phone: 919-620	-8832. FA	X: 919-620-9043.				
Kerry Single	r - UXO QC/Safety (UXO	#0262).	Cell Phone: 919-690-5427		Yes		
		SUBCC	NTRACTOR				
		WOF	K FORCE				
Land Surve	yor Subcontractor -Newo	comb Lan	d Surveyors		EQ	UIPMENT	Γ
Land Survey Personnel:	yor Subcontractor -Newo	Comb Lan On-site	d Surveyors	On-site	EQ	UIPMENT	Γ
	yor Subcontractor -New		d Surveyors	On-site	EQ	UIPMEN	Γ
Personnel:	yor Subcontractor -Newo Activities Completed		d Surveyors	On-site	EQ	UIPMENT	Γ
Personnel:			d Surveyors	On-site	EQ	UIPMENT	Γ
Personnel: Land Survey		On-site	d Surveyors	On-site	EQ	UIPMENT	Γ
Personnel: Land Survey	Activities Completed	On-site	d Surveyors	On-site On-site	EQ	UIPMENT	Γ
Personnel: Land Survey Brush Remo	Activities Completed	On-site Grounds	d Surveyors R. Alvardo			UIPMENT ws, mache	
Personnel: Land Survey Brush Remo Personnel:	Activities Completed	On-site Grounds On-site		On-site		-	
Personnel: Land Survey Brush Remo Personnel: Chris Altum	Activities Completed	On-site Grounds On-site Yes	R. Alvardo	On-site Yes		-	
Personnel: Land Survey Brush Remo Personnel: Chris Altum B.Guerrero	Activities Completed	On-site Grounds On-site Yes Yes	R. Alvardo P. Vasquez J. Hernandez J.Valdes	On-site Yes Yes		-	
Personnel: Land Survey Brush Remo Personnel: Chris Altum B.Guerrero P.Padilla R.Vasquez R.Laja	Activities Completed	On-site Grounds On-site Yes Yes Yes Yes Yes	R. Alvardo P. Vasquez J. Hernandez J. Valdes E.Ladera	On-site Yes Yes Yes Yes Yes		-	
Personnel: Land Survey Brush Reme Personnel: Chris Altum B.Guerrero P.Padilla R.Vasquez R.Laja M.Neri	Activities Completed	On-site Grounds On-site Yes Yes Yes Yes Yes Yes	R. Alvardo P. Vasquez J. Hernandez J.Valdes E.Ladera F.Hernadez	On-site Yes Yes Yes Yes Yes Yes		-	
Personnel: Land Survey Brush Remo Personnel: Chris Altum B.Guerrero P.Padilla R.Vasquez R.Laja M.Neri G.Covarrubia	Activities Completed	On-site Grounds On-site Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	R. Alvardo P. Vasquez J. Hernandez J. Valdes E.Ladera F. Hernadez G.Davis	On-site Yes Yes Yes Yes Yes Yes Yes		-	
Personnel: Land Survey Brush Reme Personnel: Chris Altum B.Guerrero P.Padilla R.Vasquez R.Laja M.Neri G.Covarrubia M.Rojas	Activities Completed oval Subcontractor - A-1	On-site Grounds On-site Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	R. Alvardo P. Vasquez J. Hernandez J.Valdes E.Ladera F.Hernadez G.Davis M.Arredando	On-site Yes Yes Yes Yes Yes Yes Yes Yes		-	
Personnel: Land Survey Brush Remo Personnel: Chris Altum B.Guerrero P.Padilla R.Vasquez R.Laja M.Neri G.Covarrubia	Activities Completed oval Subcontractor - A-1	On-site Grounds On-site Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	R. Alvardo P. Vasquez J. Hernandez J. Valdes E.Ladera F. Hernadez G.Davis	On-site Yes Yes Yes Yes Yes Yes Yes		-	

ADDITIONAL INFORMATION: Continued cutting and creating consolidated piles for chipping. All efforts to complete brush cutting.

0			
	All other site d	letails recorded in field lo	ogbooks.
ACTIVITIES SCHEDULED FOR	NEXT WORK DAY:		
Continue brush cutting.			
REQUEST FOR PROJECT ACT	IONone.		
VISITORS:			
			Kerry Singler
ACCIDENTS REPORTED TODAY:	0		John Kertesz
ACCIDENTS TO DATE:	0		PARSONS I&T REPRESENTATIVE(S)

0:	742751 Task .05000 (brush cu 742751 Task .06000 (land surv			DATE/DAY: REPORT NO:			
	742752 Task .10000 (intrusive	1		SHEET:			
N:	Stem, NC - Granville County				USAESCH, Rola	and Belew (F	PM)
				Weather:	Cloudy/Breezy 3	4-58 F	
ROGRESS 1. Land	OR COMPLETED:						
1. Lanu	Perimeter Boundary Survey						
			yors perimeter survey completed. Sta	aked every 100' and	blue flagged.		
0	Grid Network Survey (26 ac	res)	· · · · ·	•	•••		
	Land Surve	eyor has co	mpleted grid network installation.		ACREAGE Tota	uls >>>>>	26
2. Brush							
1.84	Brush Removed (18 acres)				ACREAGE Tota	us >>>>	16.71
	Note: Brus	h cut acrea	oge estimated at 18-19 acres of 26 acr	e total			
3. Cleara	ance Action / Intrusive Invest						
0		-	r (26 acres/ Mag/Dig acres)		ACREAGE Tota	uls >>>>>	0
-	Days Intrusive Investigatio	n Details:					
		PARSONS	S WORKFORCE			~	UIPMENT
		010 001			On-site		USED
John Kert	tesz - Site Manager. Cell Phon				No		
Kerry Sin	Site Trailer Phone: 919-620- igler - UXO QC/Safety (UXO #				Yes		
Kerry Sin	igici - UNO QC/Salcty (UNO +	10202). CCI	11110hc. 919-090-3427		105		
		SUBCO	ONTRACTOR				
			RK FORCE				
	rveyor Subcontractor -Newco	7	Surveyors			EQUIPMEN	Т
Personne	el:	On-site		On-site	{		
Land Sur	vey Activities Completed	1					
Lund Bull					1		
	emoval Subcontractor - A-1 C	1					
Personne		On-site		On-site			
Chris Altu B.Guerrer		Yes Yes	R. Alvardo P. Vasquez	Yes Yes	chai	insaws, mach	nettes.
D.Guerrer	10	Yes	J. Hernandez	Yes			
P.Padilla			J.Valdes	Yes	1		
P.Padilla R.Vasque		Yes	J. V alue3	103			
R.Vasque G.Covarr		Yes	G.Davis	Yes			
R.Vasque G.Covarr M.Rojas	ubias	Yes Yes	G.Davis M.Arredando	Yes Yes			
R.Vasque G.Covarr	ubias Častro	Yes Yes Yes Yes	G.Davis M.Arredando U.Escobar	Yes Yes Yes	us : 100x100 grid =	= .23 acres.	
R.Vasque G.Covarri M.Rojas C. Dias C D.Reyes	ubias <u>astro</u> <u>X</u> Morning F ONAL INFORMATION:	Yes Yes Yes Yes <b>I &amp; S Meet</b>	G.Davis M.Arredando	Yes Yes Yes Conversion	18 : 100x100 grid -	= .23 acres.	
R.Vasque G.Covarri M.Rojas C. Dias C D.Reyes	ubias <u>astro</u> <u>X</u> Morning F ONAL INFORMATION:	Yes Yes Yes Yes <b>I &amp; S Meet</b>	G.Davis M.Arredando U.Escobar ing Briefing.	Yes Yes Yes Conversion	ns : 100x100 grid -	= .23 acres.	
R.Vasque G.Covarri M.Rojas C. Dias C D.Reyes	ubias <u>astro</u> <u>X</u> Morning F ONAL INFORMATION:	Yes Yes Yes Yes <b>I &amp; S Meet</b>	G.Davis M.Arredando U.Escobar ing Briefing.	Yes Yes Yes Conversion	18 : 100x100 grid =	= .23 acres.	
R.Vasque G.Covarri M.Rojas C. Dias C D.Reyes	ubias <u>astro</u> <u>X</u> Morning F ONAL INFORMATION:	Yes Yes Yes Yes <b>I &amp; S Meet</b>	G.Davis M.Arredando U.Escobar ing Briefing.	Yes Yes Yes Conversion	18 : 100x100 grid =	= .23 acres.	
R.Vasque G.Covarri M.Rojas C. Dias C D.Reyes	ubias <u>astro</u> <u>X</u> Morning F ONAL INFORMATION:	Yes Yes Yes Yes <b>I &amp; S Meet</b>	G.Davis M.Arredando U.Escobar ing Briefing.	Yes Yes Yes Conversion	s: 100x100 grid =	= .23 acres.	
R.Vasque G.Covarri M.Rojas C. Dias C D.Reyes	ubias <u>astro</u> <u>X</u> Morning F ONAL INFORMATION:	Yes Yes Yes Yes <b>I &amp; S Meet</b>	G.Davis M.Arredando U.Escobar ing Briefing.	Yes Yes Yes Conversion	18 : 100x100 grid =	= .23 acres.	
R.Vasque G.Covarri M.Rojas C. Dias C D.Reyes	ubias <u>astro</u> <u>X</u> Morning F ONAL INFORMATION:	Yes Yes Yes Yes <b>I &amp; S Meet</b>	G.Davis M.Arredando U.Escobar ing Briefing.	Yes Yes Yes Conversion	IS : 100x100 grid =	= .23 acres.	
R.Vasque G.Covarri M.Rojas C. Dias C D.Reyes	ubias <u>astro</u> <u>X</u> Morning F ONAL INFORMATION:	Yes Yes Yes Yes <b>I &amp; S Meet</b>	G.Davis M.Arredando U.Escobar ing Briefing. es for chipping. All efforts to comp	Ves Yes Yes Conversion	IS : 100x100 grid =	= .23 acres.	
R.Vasque G.Covarri M.Rojas C. Dias C D.Reyes ADDITIO Continue	ubias <u>astro</u> <u>X</u> Morning F ONAL INFORMATION:	Yes Yes Yes Yes Yes I & S Meet	G.Davis M.Arredando U.Escobar ing Briefing. es for chipping. All efforts to comp	Ves Yes Yes Conversion	ns : 100x100 grid =	= .23 acres.	
R.Vasque G.Covarri M.Rojas C. Dias C D.Reyes ADDITIO Continue	ubias  iastro  X Morning F ONAL INFORMATION:  ad cutting and creating conse  files SCHEDULED FOR NE brush cutting.	Yes Yes Yes Yes I & S Meet	G.Davis M.Arredando U.Escobar ing Briefing. es for chipping. All efforts to comp	Ves Yes Yes Conversion	ts : 100x100 grid =	= .23 acres.	
R.Vasque G.Covarri M.Rojas C. Dias C D.Reyes ADDITIC Continue	iastro  X Morning F ONAL INFORMATION: ad cutting and creating conso  TIES SCHEDULED FOR NE brush cutting.  ST FOR PROJECT ACTION	Yes Yes Yes Yes I & S Meet	G.Davis M.Arredando U.Escobar ing Briefing. es for chipping. All efforts to comp	Ves Yes Yes Conversion	Is : 100x100 grid =	= .23 acres.	
R.Vasque G.Covarri M.Rojas C. Dias C D.Reyes ADDITIO Continue	iastro  X Morning F ONAL INFORMATION: ad cutting and creating conso  TIES SCHEDULED FOR NE brush cutting.  ST FOR PROJECT ACTION	Yes Yes Yes Yes I & S Meet	G.Davis M.Arredando U.Escobar ing Briefing. es for chipping. All efforts to comp	Ves Yes Yes Conversion	ns : 100x100 grid -	= .23 acres.	
R.Vasque G.Covarri M.Rojas C. Dias C D.Reyes ADDITIO Continue	iastro  X Morning F ONAL INFORMATION: ad cutting and creating conso  TIES SCHEDULED FOR NE brush cutting.  ST FOR PROJECT ACTION	Yes Yes Yes Yes I & S Meet	G.Davis M.Arredando U.Escobar ing Briefing. es for chipping. All efforts to comp set for chipping. All efforts to comp <i>All other site details recorded in field</i> K DAY:	Yes Yes Yes Conversion lete brush cutting.		= .23 acres.	
R.Vasque         G.Covarri         M.Rojas         C. Dias C         D.Reyes    ADDITIC Continue          ADDITIC             ADDITIC             ADDITIC             ADDITIC             ADDITIC             ADDITIC             ADDITIC             ACTIVIT             ACTIVIT             ACTIVIT             ACTIVIT             ACTIVIT	ubias  iastro  X Morning F ONAL INFORMATION: ed cutting and creating conse  TIES SCHEDULED FOR NE brush cutting.  ST FOR PROJECT ACTION RS:	Yes Yes Yes Yes I & S Meet Olidated pil	G.Davis M.Arredando U.Escobar ing Briefing. es for chipping. All efforts to comp set for chipping. All efforts to comp <i>All other site details recorded in field</i> K DAY:	Yes Yes Yes Conversion lete brush cutting.			

JOB NO:	742751 Task .05000 (brush cut sub & related UXO Support)	DATE/DAY: 12/23/2002
	742751 Task .06000 (land survey sub & related UXO Support)	REPORT NO: 27
	742752 Task .10000 (intrusive field work and support)	SHEET: 1 of 1
LOCATION:	Stem, NC - Granville County	CLIENT: USAESCH, Roland Belew (PM)
		Weather: Cloudy 45 F
WORK IN PROG	RESS OR COMPLETED:	
1. I	and Survey	
	Perimeter Boundary Survey	

	Newcomb Land Surveyors perimeter survey completed.	Staked every 100' and blue flagged.	
0	Grid Network Survey (26 acres)		
	Land Surveyor has completed grid network installation.	ACREAGE Totals >>>>	26
2. Brush	Removal		
1.15	Brush Removed (18 acres)	ACREAGE Totals >>>>	17.86

Brush cutters have completed clearance of brush.

### 3. Clearance Action / Intrusive Investigation

0	Lakeview Subdivision and 100 ft buffer (26 acres/Mag/Dig acres)	ACREAGE Totals >>>>	0
	Days Intrusive Investigation Details:		

	PARSONS	WORKFORCE		On-site	EQUIPMENT USED
John Kertesz - Site Manager. Cell Ph	one: 010-6	90-5828		No	USED
× ·				INU	
Site Trailer Phone: 919-62					
Kerry Singler - UXO QC/Safety (UX)	0 #0262).	Cell Phone: 919-690-5427		Yes	
		NTRACTOR			
		RK FORCE			
Land Surveyor Subcontractor -New		d Surveyors		E	QUIPMENT
Personnel:	On-site		On-site		
Land Survey Activities Completed	-				
Land Survey Activities Completed					
Brush Removal Subcontractor - A-	1 Grounds		<b>I</b>		
Personnel:	On-site		On-site		
Chris Altum	Yes	R. Alvardo	Yes	chains	saws, machettes.
B.Guerrero	Yes	P. Vasquez	Yes		
P.Padilla	Yes	J. Hernandez	Yes		
R.Vasquez	Yes	J.Valdes	Yes		
G.Covarrubias	Yes	G.Davis	Yes		
M.Neri	Yes	F.Hernandez	Yes		
E.Ladera	Yes	H.Regalado	Yes		
V.Murillo	Yes	J.Logo	Yes		
M.Rojas	Yes	M.Arredando	Yes		
C. Dias Castro	Yes	U.Escobar	Yes		
D.Reyes	Yes				

Morning H & S Meeting Briefing. Х

Conversions: 100x100 grid = .23 acres.

### ADDITIONAL INFORMATION:

Brush cutting has been completed at Lakeview Subdivision Site. Minor removal of brush debris remains. Parsons departed from site today. NCNG informed of Parsons temporary departure and will resume magazine security inspections. Parsons scheduled to return to site 1/6/03.

All other site details recorded in field logbooks. ACTIVITIES SCHEDULED FOR NEXT WORK DAY:

REQUEST FOR PROJECT AC	TIO!None.	
VISITORS:		
ACCIDENTS REPORTED TODAY: ACCIDENTS TO DATE:	0	Kerry Singler John Kertesz PARSONS I&T REPRESENTATIVE(S)

Weather: Summy, 40 F         Weather: Summy, 40 F         Perimeter Boundary Survey         Perimeter Boundary Survey         Newcomb Land Survey or speimeter survey completed. Staked every 100° and blue flagged.         0       Grid Network Survey (26 acres)         Land Survey or bas completed grid network installation.       ACREAGE Totals >>>>         Brush Removed (18 acres)       ACREAGE Totals >>>>>         Dirush Removed (18 acres)       ACREAGE Totals >>>>>         Dirush Removed (18 acres)       ACREAGE Totals >>>>>>>>         Dirush Removed (18 acres)       ACREAGE Totals >>>>>         Dirush Removed (18 acres)       ACREAGE Totals >>>>>         Dirush Removal       CREAGE Totals >>>>         Dirush Removal       CREAGE Totals >>>>         Days Intrusive Investigation Details:         Days Intrusive Investigation Details:         Days Intrusive Investigation Details:         UXO QC/Safety (UX0 #0262), Cell Phone: 919-690-5427       Yes         Site Truite Phone: 256-656-2407       Yes         SuBCONTRACTOR	742732 Task 10000 (intrusive field work and support)       SHEET: 1 of 1         Stem, NC - Granville County       CLIENT: USAESCH, Roland Belew (PM).         ROGRESS OR COMPLETED:       I. Land Survey         Perimeter Boundary Survey       Newomb Land Surveyors perimeter survey completed. Staked every 100° and blue flagged.         0       Grid Network Survey (26 acres)       ACREAGE Totals >>>>         Land Surveyor has completed grid network installation.       ACREAGE Totals >>>>         2. Brush Removed (18 acres)       ACREAGE Totals >>>>         Brush cutters have completed clearance of brush.       Acrea around small creek temoorarity tabled pending review of regs.         3. Clearance Action 1 Intrusive Investigation       0       Lakeviev Subdivision and 100 ft buffer (26 acres/	
ON: Stem, NC - Graaville County CLEENT: USAESCH, Roland Belew (P Weather: Summy, 40 F PROGRESS OR COMPLETED:  Perintere Boundary Survey Perintere Boundary Survey Perintere Boundary Survey Of Grid Network Survey (CB acres) Land Surveyor bas completed grid network installation. ACREAGE Totals >>>> CB rush Removal O Grid Network Survey (CB acres) Land Surveyor has completed clearance of brush. Acrea around small creek tempozarily tabled pendina review of regs. CLEENT: USAESCH, Roland Belew (P Weather: Survey) ACREAGE Totals >>>> CB rush Removal O Brush Removed (I8 acres) ACREAGE Totals >>>> D Brush cuters have completed clearance of brush. Area around small creek tempozarily tabled pendina review of regs. CLEARTIE Subficient Interview Interview Interview of regs. CLEARTIE CLEARTIE INTERVIEW INTERVI	N:       Stem, NC - Granville County       CLENT: USAESCH, Roland Belew (PM)         ROGRESS OR COMPLETED:       1. Land Survey         Perimeter Boundary Survey       Newcomb Land Surveyors perimeter survey completed. Staked every 100° and blue flagged.         0       Grid Network Survey (26 acres)         Land Surveyor has completed grid network installation.       ACREAGE Totals >>>>         0       Brush Removal       ACREAGE Totals >>>>         0       Brush cutters have completed clearance of brush.       ACREAGE Totals >>>>>         Area around small creek temporarily tabled pending review of regs.       ACREAGE Totals >>>>         3. Clearance Action / Intrusive Investigation       0       ACREAGE Totals >>>>         0       Lakeview Subdivision and 100 ft buffer (26 acres/	
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PARSONS WORKFORCE     EQU       John Kertesz - Site Manager. Cell Phone: 919-690-5828     Yes       Site Trailer Phone: 919-620-8832. FAX: 919-620-9043.     Yes       Kerry Singler - UXO QC/Safety (UXO #0262). Cell Phone: 919-690-5427     Yes       James Walker - USACE Safety Cell Phone: 256-656-2407     Yes       James Walker - USACE Safety Cell Phone: 256-656-2407     Yes       SUBCONTRACTOR     WORK FORCE       Land Surveyor Subcontractor - Newcomb Land Surveyors     EQUIPMEN       Personnel:     On-site     On-site       Iand Survey Activities Completed     Image: Completed Image: C	PARSONS WORKFORCE     EQUIPM On-site     EQUIPM USE       John Kertesz - Site Manager. Cell Phone: 919-690-5828     Yes     USE       Site Trailer Phone: 919-620-8832. FAX: 919-620-9043.         Kerry Singler - UXO QC/Safety (UXO #0262). Cell Phone: 919-690-5427     Yes        James Walker - USACE Safety Cell Phone: 256-656-2407     Yes        James Walker - USACE Safety Cell Phone: 256-656-2407     Yes        Land Surveyor Subcontractor -Newcomb Land Surveyors     EQUIPMENT       Personnel:     On-site     On-site       Land Survey Activities Completed     Image: Completed     Image: Completed       Brush Removal Subcontractor - A-I Grounds     Personnel:     On-site       VXO/OF Removal Subcontractor - USA     Image: Completed     Image: Completed       Personnel:     On-site     Image: Completed     Image: Completed       Cuto/OF Removal Subcontractor - VSA     Image: Completed     Image: Completed       Cuto/OF Removal Subcontractor - VSA     Image: Completed     Image: Completed       Cuto/OF Removal Subcontractor - VSA     Image: Completed     Image: Completed       Cuto/OF Removal Subcontractor - VSA     Image: Completed     Image: Completed       Cuto/OF Removal Subcontractor - VSA     Image: Completed     Image: Completed       Cuto/OF Removal Subcontractor - VSA     Image: Completed	
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Brush Removal Subcontractor - A-1 Grounds         Personnel:       On-site         UXO/OE Removal Subcontractor - USA         Personnel:       UXO No.         On-site       UXO No.         Personnel:       UXO No.         On-site       UXO No.         Personnel:       UXO No.         Robert Davison       246         Yes       Norbert McNally         Brian Papenthien       551         No       Brian Papenthien         George Edwards       655         No       Phillip Ratcliff         Joseph Lee Hong       407         Lowell Martin       803         No       Charlie Richardson         I.owell Martin       803         X       Morning H & S Meeting Briefing.         Conversions : 100x100 grid = .23 acres         ADDITIONAL INFORMATION:         Parsons and USA mobilize on-site. Parsons and USA conduct walk through of Lakeview Subdivision Site. Arrangements for t intrusive activities have been made including: coordination with Butner Public Safety for road guard staffing: Granville County	Brush Removal Subcontractor - A-1 Grounds         Personnel:       On-site       On-site         UXO/OE Removal Subcontractor - USA	
UXO/OE Removal Subcontractor - USA           UXO/OE Removal Subcontractor - USA           Personnel:         UXO No.         On-site         UXO No.         On-site           Robert Davison         246         Yes         Norbert McNally         392         No           Richard Funk         159         No         James Paksi         1003         No           Robert Shauger         278         No         Brian Papenthien         551         No           George Edwards         655         No         Phillip Ratcliff         1058         No           James Hunt         1001         No         James Royalty         981         No           Joseph Lee Hong         407         No         Al Smith         350         No           Lowell Martin         803         No         Charlie Richardson         160         Yes           X         Morning H & S Meeting Briefing.         Conversions : 100x100 grid = .23 acres           ADDITIONAL INFORMATION:         Parsons and USA mobilize on-site. Parsons and USA conduct walk through of Lakeview Subdivision Site. Arrangements for t intrusive activities have been made including: coordination with Butner Public Safety for road guard staffing: Granville County	UXO/OE Removal Subcontractor - USA           Personnel:         UXO No.         On-site         UXO No.         On-site           Robert Davison         246         Yes         Norbert McNally         392         No           Richard Funk         159         No         James Paksi         1003         No           Robert Shauger         278         No         Brian Papenthien         551         No           George Edwards         655         No         Phillip Ratcliff         1058         No           James Hunt         1001         No         James Royalty         981         No	
Personnel:       UXO No.       On-site       UXO No.       On-site         Robert Davison       246       Yes       Norbert McNally       392       No         Richard Funk       159       No       James Paksi       1003       No         Robert Shauger       278       No       Brian Papenthien       551       No         George Edwards       655       No       Phillip Ratcliff       1058       No         James Hunt       1001       No       James Royalty       981       No         Joseph Lee Hong       407       No       Al Smith       350       No         Lowell Martin       803       No       Charlie Richardson       160       Yes         X       Morning H & S Meeting Briefing.       Conversions : 100x100 grid = .23 acres         ADDITIONAL INFORMATION:       Parsons and USA mobilize on-site. Parsons and USA conduct walk through of Lakeview Subdivision Site. Arrangements for t intrusive activities have been made including: coordination with Butner Public Safety for road guard staffing: Granville County	Personnel:     UXO No.     On-site     UXO No.     On-site       Robert Davison     246     Yes     Norbert McNally     392     No       Richard Funk     159     No     James Paksi     1003     No       Robert Shauger     278     No     Brian Papenthien     551     No       George Edwards     655     No     Phillip Ratcliff     1058     No       James Hunt     1001     No     James Royalty     981     No	
Personnel:       UXO No.       On-site       UXO No.       On-site         Robert Davison       246       Yes       Norbert McNally       392       No         Richard Funk       159       No       James Paksi       1003       No         Robert Shauger       278       No       Brian Papenthien       551       No         George Edwards       655       No       Phillip Ratcliff       1058       No         James Hunt       1001       No       James Royalty       981       No         Joseph Lee Hong       407       No       Al Smith       350       No         Lowell Martin       803       No       Charlie Richardson       160       Yes         X       Morning H & S Meeting Briefing.       Conversions : 100x100 grid = .23 acres         ADDITIONAL INFORMATION:       Parsons and USA mobilize on-site. Parsons and USA conduct walk through of Lakeview Subdivision Site. Arrangements for t intrusive activities have been made including: coordination with Butner Public Safety for road guard staffing: Granville County	Personnel:     UXO No.     On-site     UXO No.     On-site       Robert Davison     246     Yes     Norbert McNally     392     No       Richard Funk     159     No     James Paksi     1003     No       Robert Shauger     278     No     Brian Papenthien     551     No       George Edwards     655     No     Phillip Ratcliff     1058     No       James Hunt     1001     No     James Royalty     981     No	
Personnel:       UXO No.       On-site       UXO No.       On-site         Robert Davison       246       Yes       Norbert McNally       392       No         Richard Funk       159       No       James Paksi       1003       No         Robert Shauger       278       No       Brian Papenthien       551       No         George Edwards       655       No       Phillip Ratcliff       1058       No         James Hunt       1001       No       James Royalty       981       No         Joseph Lee Hong       407       No       Al Smith       350       No         Lowell Martin       803       No       Charlie Richardson       160       Yes         X       Morning H & S Meeting Briefing.       Conversions : 100x100 grid = .23 acres         ADDITIONAL INFORMATION:       Parsons and USA mobilize on-site. Parsons and USA conduct walk through of Lakeview Subdivision Site. Arrangements for t intrusive activities have been made including: coordination with Butner Public Safety for road guard staffing: Granville County	Personnel:     UXO No.     On-site     UXO No.     On-site       Robert Davison     246     Yes     Norbert McNally     392     No       Richard Funk     159     No     James Paksi     1003     No       Robert Shauger     278     No     Brian Papenthien     551     No       George Edwards     655     No     Phillip Ratcliff     1058     No       James Hunt     1001     No     James Royalty     981     No	
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Richard Funk         159         No         James Paksi         1003         No           Robert Shauger         278         No         Brian Papenthien         551         No           George Edwards         655         No         Phillip Ratcliff         1058         No           James Hunt         1001         No         James Royalty         981         No           Joseph Lee Hong         407         No         Al Smith         350         No           Lowell Martin         803         No         Charlie Richardson         160         Yes           X         Morning H & S Meeting Briefing.         Conversions : 100x100 grid = .23 acres           ADDITIONAL INFORMATION:         Parsons and USA mobilize on-site. Parsons and USA conduct walk through of Lakeview Subdivision Site. Arrangements for t           Parsons was been made including: coordination with Butner Public Safety for road guard staffing: Granville County	Richard Funk         159         No         James Paksi         1003         No           Robert Shauger         278         No         Brian Papenthien         551         No           George Edwards         655         No         Phillip Racliff         1058         No           James Hunt         1001         No         James Royalty         981         No	
Robert Shauger         278         No         Brian Papenthien         551         No           George Edwards         655         No         Phillip Rateliff         1058         No           James Hunt         1001         No         James Royalty         981         No           Joseph Lee Hong         407         No         Al Smith         350         No           Lowell Martin         803         No         Charlie Richardson         160         Yes           X         Morning H & S Meeting Briefing.         Conversions : 100x100 grid = .23 acres           ADDITIONAL INFORMATION:         Parsons and USA mobilize on-site. Parsons and USA conduct walk through of Lakeview Subdivision Site. Arrangements for t intrusive activities have been made including: coordination with Butner Public Safety for road guard staffing; Granville County	Robert Shauger     278     No     Brian Papenthien     551     No       George Edwards     655     No     Phillip Ratcliff     1058     No       James Hunt     1001     No     James Royalty     981     No	
George Edwards       655       No       Phillip Ratcliff       1058       No         James Hunt       1001       No       James Royalty       981       No         Joseph Lee Hong       407       No       Al Smith       350       No         Lowell Martin       803       No       Charlie Richardson       160       Yes         X       Morning H & S Meeting Briefing.       Conversions : 100x100 grid = .23 acres         ADDITIONAL INFORMATION:       Parsons and USA mobilize on-site. Parsons and USA conduct walk through of Lakeview Subdivision Site. Arrangements for tt intrusive activities have been made including: coordination with Butner Public Safety for road guard staffing; Granville County	George Edwards         655         No         Phillip Ratcliff         1058         No           James Hunt         1001         No         James Royalty         981         No	
Joseph Lee Hong         407         No         Al Smith         350         No           Lowell Martin         803         No         Charlie Richardson         160         Yes           X         Morning H & S Meeting Briefing.         Conversions : 100x100 grid = .23 acres           ADDITIONAL INFORMATION:         Parsons and USA mobilize on-site.         Parsons and USA conduct walk through of Lakeview Subdivision Site. Arrangements for to intrusive activities have been made including: coordination with Butner Public Safety for road guard staffing; Granville County		
Lowell Martin         803         No         Charlie Richardson         160         Yes           X         Morning H & S Meeting Briefing.         Conversions : 100x100 grid = .23 acres           ADDITIONAL INFORMATION:         Parsons and USA mobilize on-site. Parsons and USA conduct walk through of Lakeview Subdivision Site. Arrangements for to intrusive activities have been made including: coordination with Butner Public Safety for road guard staffing; Granville County	Joseph Lee Hong 407 No Al Smith 350 No	
X         Morning H & S Meeting Briefing.         Conversions : 100x100 grid = .23 acres           ADDITIONAL INFORMATION:         Parsons and USA mobilize on-site. Parsons and USA conduct walk through of Lakeview Subdivision Site. Arrangements for to intrusive activities have been made including: coordination with Butner Public Safety for road guard staffing; Granville County		
ADDITIONAL INFORMATION: Parsons and USA mobilize on-site. Parsons and USA conduct walk through of Lakeview Subdivision Site. Arrangements for t intrusive activities have been made including: coordination with Butner Public Safety for road guard staffing; Granville County		
J.Walker arrived on-site today.	ADDITIONAL INFORMATION: Parsons and USA mobilize on-site. Parsons and USA conduct walk through of Lakeview Subdivision Site. Arrangements for tome intrusive activities have been made including: coordination with Butner Public Safety for road quard staffing; Granville County DO Butner Town Manger's Office were contacted and informed about road quard placement at Roberts Chapel Rd.	

Kerry Singler John Kertesz PARSONS I&T REPRESENTATIVE(S)

ACCIDENTS REPORTED TODAY: ACCIDENTS TO DATE: 0 0

):					ATE/DAY:			
742752 Tea	k .10000 (intrusive fi	old work on	d aumont)	RE	PORT NO: SHEET:			
	Granville County	eid work an	a support)	-		USAESCH, Rola	and Belew (P	M)
<u> </u>				-		Sunny, 40 F	and Berew (I	
ROGRESS OR COMP 1. Land Survey	LEIED;							
Perimeter	<b>Boundary Survey</b>							
	Newcomb L	and Survey	ors perimeter survey completed. St	aked every	100' and bl	ue flagged.		
0 Grid Netw	ork Survey (26 ac	,						
	-		npleted grid network installation.			ACREAGE Tota	als >>>>	26
<u> </u>	Area around	small cree	k temporarily tabled pending review	of regs.				
2. Brush Removal						ACREAGE Tota		17.86
0 Brush Kei	noved (18 acres)		and the state of the second			ACKEAGE TOU	us /////	17.00
	Brush cutter	s nave con	npleted clearance of brush.					
3. Clearance Action		0						
	Subdivision and 1	0 00	er (26 acres/Mag/Dig acres)			ACREAGE Tota	als >>>>	0.92
	usive Investigatio							
Grids 300,	300S, 300W, 303	, and 304 i	ntrusively investigated.					
		PARSONS	S WORKFORCE				EQU	JIPMENT
						On-site	Ţ	USED
John Kertesz - Site Ma						Yes		
	r Phone: 919-620-							
			ell Phone: 919-690-5427			Yes		
Steve Czekalski - Site	2		EPRESENTATIVE			Yes		
1	08	льэсп К	LI KEOLIVIATIVE				1	
James Walker - USAG	CE Safety Cell Pho	one: 256-6	56-2407			Yes		
		arme						
			ONTRACTOR RK FORCE					
Land Surveyor Subc	ontractor -Newco						EQUIPMEN'	Γ
Personnel:		On-site			On-site			
		L						
Land Survey Activitie Brush Removal Subo		Founde						
Personnel:	contractor - A-1 C	On-site			On-site			
						1		
UXO/OE Removal S								
Personnel:	UXO No.	On-site		UXO No.	On-site			
Robert Davison Richard Funk	246	Yes Yes	Norbert McNally James Paksi	392 1003	Yes Yes			
Robert Shauger	278	Yes	Brian Papenthien	551	Yes			
George Edwards	655	Yes	Phillip Ratcliff	1058	Yes			
James Hunt	1001	Yes	James Royalty	981	Yes			
Joseph Lee Hong	407	Yes	Al Smith	350	Yes			
Lowell Martin	803 Morning H	Yes	Charlie Richardson	160	Yes	ns : 100x100 grid	= 23 acres	
X	Morning H	& S Mee	ting Briefing.		Conversion	<i>is</i> . 100x100 grid	25 acres	
ADDITIONAL INFO	DRMATION:							
USA dig teams mob	ilized on-site. Bu		ic Safety has staffed 2 road gua					
		11, and F	ox 22 reporters and camera me	n arrived	on-site in r	esponse to TCF	RA. Reporte	rs deferred to
USACE for interview		na D	no conducted our	ation	مام المحانية	d kaaaki	anidant -l-	
			ns conducted evacuation verific erference from traffic.	ation, whi	cn include	a knocking on re	esident door	<u>s. USA</u>
			ed to stay at Comfort Inn per ac	comodatio	on provisio	ns set forth by I	JSACE Pa	rsons
			th Vos, Riley, and Cash families					
Mr.Vos has inquired	about reimburse	ement for	meals purchased during his disp	olacement	. Parsons	informed Mr. V	os that a pe	r diem of \$10
per adult has been a	allotted for meals							
Coordination is under	erway for remova	al of remai	ining brush consolidation piles.					
			All athen site datails and it is	Gald 1 1	aka			
ACTIVITIES SCHE	DIII FD EOD ME	YT WOP	All other site details recorded in j	ueta togbo	UKS.			
Continued intrusive ad		AT WUR	A DAT;			-		
2 ontinaca marasive at	<u></u>							
REOUEST FOR PR	OJECT ACTION	:None.				-		

Kerry Singler John Kertesz PARSONS I&T REPRESENTATIVE(S)

0107\_dailyreport.xls

VISITORS:

ACCIDENTS REPORTED TODAY: ACCIDENTS TO DATE:

0

WORK

### DAILY FIELD REPORT Former Camp Butner TCRA - Lakeview Subdivision

:						DATE/DAY: PORT NO:			
	742752 Task .100	)00 (intrusive f	ield work	and support)	KI	SHEET:			
:	Stem, NC - Gran		iela work i	ing supporty			USAESCH, Ro	land Belew (P	M)
-	orall	e county					Cloudy, 60 F		,
ROGRESS	OR COMPLET	ED:					<u></u> ,		
1. Land S	Survey								
	Perimeter Bour	adary Survey							
			and Surve	vors perimeter survey cor	npleted. Staked e	very 100' an	d blue flagged.		
0	Grid Network S			,,,,					
	1			mpleted grid network insta	allation.		ACREAGE To	tals >>>>	26
								L	
2. Brush I	Removal								
0	Brush Removed	l (18 acres)					ACREAGE To	tals >>>>	17.8
			e have co	mpleted clearance of brus	h				
				ek temporarily tabled pen					
3. Cleara	nce Action / Inti			on temperany tabled pen	and review of legs				
0.92	Lakeview Subd			r (26 acres/ Mag/Dig a	cres)		ACREAGE To	tals >>>>	0.9
0.72	Days Intrusive		0 00	. 120 acres mug/Dig u					0.7
				ntrusively investigated.					
	Grius 500, 3008	, 500 w, 503,	anu 304 li	nuusively nivesugated.					
		I	ADCONC	WORKFORCE			r	EOL	JIPMEN
		1	AKSONS	WORKFORCE			On-site	-	JSED
Labor IZ and a	Cite Manage	- Call Dham	. 010 (0(	5000				<u> </u>	JSED
John Kerte	esz - Site Manage						Yes	+	
V Cine				K: 919-620-9043.			N/		
			<i>,</i>	ell Phone: 919-690-5427			Yes	-	
Steve Czel	kalski - Site Man	-					No	+	
		US	AESCH R	EPRESENTATIVE				-	
	. Navara							-	
James Wal	lker - USACE Sa	fety Cell Pho	ne: 256-6	56-2407			Yes	-	
			SUDCO	INTRACTOR					
				RK FORCE					
Land Sur	veyor Subcontra	ctor -Newco						EQUIPMEN	т
Personnel			On-site	Surveyors		On-site		LQUII MEN	1
1 01 5011101	•		0.0.000			on site	1		
Land Surv	ey Activities Cor	npleted				1	1		
	moval Subcontra	1	rounds	•		•	1		
Personnel	:		On-site			On-site			
	Removal Subco								
Personnel	-	UXO No.	On-site		UXO No				
Robert Da		246	Yes	Norbert McNally	392	Yes			
Richard Fu		159	Yes	James Paksi	1003	Yes	ļ		
Robert Sha		278	Yes	Brian Papenthien	551	Yes			
		655	Yes	Phillip Ratcliff	1058	Yes			
George Ed	**	1001	Yes	James Royalty	981	Yes	l		
George Ed James Hur		40.5							
George Ed	e Hong	407 803	Yes Yes	Al Smith Charlie Richardson	350 160	Yes Yes			

### ADDITIONAL INFORMATION:

USA continued intrusive activities at Lakeview Subdivision Site. Butner Public Safety has staffed 2 road guards to secure road access. Parsons has verified evacuation of residents at the Lakeview Site.

Mr. Riley and Mrs. Daniels have inquired about meal reimbursement. Parsons informed Mr. Riley and Mrs. Daniels that a per diem of \$10 per adult (and \$5 per child under 12) has been allotted for meals.

Mrs. Daniels has requested to stay at the Comfort Inn for the duration of intrusive activities. Parsons has arranged accomodations at the Comfort Inn for her. Parsons has made motel reservations for Daniels, Riley, and Vos families for the duration of intrusive field work at Parsons has taken photographs of Blalock residence, including location/excavation of 155mm found by owners. Concurrent to Parsons visit, an appraiser arrived to photograph the Blalock house.

Parsons has contacted A-1 Grounds schedule the removal of brush piles consolidated previously during brush clearance.

USA has encountered some scattered construction debris at Tilley Property that will need removal at some point if property is to be cleared effectively. Parsons has communicated the need for construction debris removal/consolidation to Mr. Tilley; Mr.Tilley has volunteered to remove this debris this Saturday. Mr. Tilley has restated that he will not move dirt mound or large brush pile on his property. Mr. Tilley claims that mound and brush pile are on top of a backfilled pit he excavated in the past.

	e details recorded in field logbooks.
ACTIVITIES SCHEDULED FOR NEXT WORK DAY:	
REQUEST FOR PROJECT ACTION: None.	
VISITORS:	
ACCIDENTS REPORTED TODAY: 0 ACCIDENTS TO DATE: 0	Kerry Singler John Kertesz PARSONS I&T REPRESENTATIVE(S)

):						ATE/DAY:			
	742752 Task .100	00 (intrusive f	ald work	and support)	RE	PORT NO: SHEET:			
Ń:	Stem, NC - Granv		ICIU WOIK 2	ind support)	_		USAESCH, Rola	and Belew (l	PM)
					_		Sunny w/ clouds		<i>.</i>
	OR COMPLETE	ED:							
1. Land S	Survey Perimeter Boun	dam Cumon							
	-		and Surve	yors perimeter survey completed	. Staked ev	erv 100' an	d blue flagged.		
0	Grid Network St	urvey (26 acı	res)			· ·			
		Land Survey	/or has co	mpleted grid network installation.			ACREAGE Tota	uls >>>>	26
2. Brush l	Removal Brush Removed	(10 ana)					ACREAGE Tota	10	17.86
0	brush Kemovea			malated algorance of bruch aver	at around on	nall araak	ACKEAGE TOU	us	17.80
				mpleted clearance of brush excep ultation with NC Divison of Water			oing for interpreta	ation.	
3. Cleara	nce Action / Intr								
1.61				er (26 acres/Mag/Dig acres)			ACREAGE Tota	uls >>>>	4.37
	Days Intrusive			252 2526 1252					
	Grids 302, 302W	V, 308, 308W	, 314, 315	, 352, 352S, and 353 intrusively	investigated				
		I	PARSONS	S WORKFORCE				EQU	JIPMENT
							On-site	-	USED
John Kerte	esz - Site Manager						Yes		
<u> </u>	Site Trailer Phor								
				ell Phone: 919-690-5427			Yes		
Sieve Cze	kalski - Site Mana			EPRESENTATIVE			No		
		03	LIJCH N	LINDUNIAIIYD					
James Wa	lker - USACE Saf	fety Cell Pho	one: 256-6	56-2407			Yes		
				ONTRACTOR RK FORCE					
Land Sur	veyor Subcontra	ctor -Newco						EQUIPMEN	T
Personnel			On-site			On-site			
	vey Activities Con	1	nonnda						
Personne	moval Subcontra	ictor - A-I G	On-site			On-site			
UXO/OE Personne	Removal Subcon	tractor - US UXO No.	A On-site		UXO No.	On-site			
Robert Da		246	Yes	Norbert McNally	392	Yes	Schonstedt's a	nd White's	
Richard Fu	unk	159	Yes	James Paksi	1003	Yes			
Robert Sh		278	Yes	Brian Papenthien	551	Yes			
George Ec James Hu		655 1001	Yes Yes	Phillip Ratcliff James Royalty	1058 981	Yes Yes			
Joseph Le		407	Yes	Al Smith	350	Yes			
Lowell Ma	artin	803	Yes	Charlie Richardson	160	Yes			
	X	Morning H	& S Mee	ting Briefing.		Conversion	<i>ns</i> : 100x100 grid	= .23 acres	
ADDITIC	ONAL INFORM	ATION.							
			Lakeview	Subdivision Site. Butner Publi	c Safety ha	is staffed 2	road guards to	secure roa	d access.
	confirmed evacu								
				rtion of Daniels driveways whe		less than 6	inches of grave	el spread ov	ver ground
				Conditions had excluded drive ped UXO Techs with White's n		tors in addi	ition to Schonst	edt's in an d	offort
				today's investigation USA note					
				of Water Quality/Wetlands rec					
be fully b	rush cut as plan	ned or is un	der prote	ction by state regulations.					
							-		
				All other site details recorded in	field logbo	oks.			
	TIES SCHEDULI				.h.d.1.1.2		-		
Continued this weeke		gation. Remo	val of bru	sh cut consolidation debris piles s	cneduled for	r			
							-		
REOUES	T FOR PROJEC	T ACTION	None.						
REQUES		CT ACTION	None.						
REQUES	T FOR PROJEC	CT ACTION	None.						
	T FOR PROJEC	CT ACTION	None.			Korry Sina	lor		
VISITOR	T FOR PROJEC		None.			Kerry Sing John Kerte			

):						ATE/DAY: PORT NO:			
	742752 Task .100		ield work a	and support)	-	SHEET:	1 of 1	10.1 (0)	
Ń:	Stem, NC - Grany	ville County			-		USAESCH, Rola Sunny, 60 F	and Belew (P	M)
	OR COMPLETI	ED:							
1. Land S	Perimeter Boun	adary Survey							
				yors perimeter survey completed.	Staked ev	ery 100' an	d blue flagged.		
0	Grid Network S		,	mpleted grid network installation.			ACREAGE Tota		26
		Euna ourvey		mpleted grid network installation.			NCKE/IGE IVa		20
2. Brush F	Removal Brush Removea	l (18 acres)					ACREAGE Tota	als >>>>	17.86
		Brush cutter		mpleted clearance of brush except					
2 Cleaner	naa Aation / Inte		-	ultation with NC Divison of Water	Quality/W	etlands ongo	oing for interpreta	ation.	
2.07	nce Action / Intr Lakeview Subdi			r (26 acres/ Mag/Dig acres)			ACREAGE Tota	als >>>>	6.44
	Days Intrusive	Investigation	n Details:						
	Grids 301W, 30	5, 326, 3748,	384S, 394	4, 3948, 395, 404, 405, 414, 4148, a	and 415 we	ere intrusive	ely investigated.	<u> </u>	
		I	PARSONS	WORKFORCE				EQU	IPMENT
<u> </u>							On-site	Ū	JSED
John Kerte	sz - Site Manage Site Trailer Phot						Yes		
Kerry Sing				c: 919-620-9043. ell Phone: 919-690-5427			Yes		
	alski - Site Mana	ager. Cell Ph	one: 919-6	590-5822			No	1	
		US.	AESCH R	EPRESENTATIVE					
James Wal	ker - USACE Sa	fety Cell Pho	one: 256-6	56-2407			Yes		
	e en ren bu								
				ONTRACTOR RK FORCE					
	veyor Subcontra	ctor -Newco	mb Land					EQUIPMENT	[
Personnel	:		On-site			On-site			
Land Surve	ey Activities Con	npleted							
	noval Subcontra	actor - A-1 G	rounds On-site			On site			
Personnel			Oll-Site			On-site	-		
UXO/OE Personnel	Removal Subcor :	UXO No.	A On-site		UXO No.	On-site			
Robert Day	vison	246	Yes	Norbert McNally	392	Yes	Schonstedt's a	nd White's	
Richard Fu Robert Sha		159 278	Yes Yes	James Paksi Brian Papenthien	1003 551	Yes Yes			
George Ed	wards	655	Yes	Phillip Ratcliff	1058	Yes			
James Hun		1001	Yes	James Royalty	981	Yes			
Joseph Lee Lowell Ma		407 803	Yes Yes	Al Smith Charlie Richardson	350 160	Yes Yes			
	Х	Morning H	& S Meet	ing Briefing.		Conversion	ns : 100x100 grid	= .23 acres	
USA cont Parsons c Parsons c constructi Current U OES item	confirmed evacu observed deliver on debris and d SA sweep proc	activities at l Jation of resi ny of heavy ef listribute soil redure includ : 2 expended	idents. equipmen from larc le use of d MK-1 fu	Subdivision Site. Butner Public t (front end loader) to Tilley lot. ge dirt mound about his properly both Whites and Schonstedt me zes (SE corner of site); HE frag All other site details recorded in J K DAY:	Mr. Tilley tal detect (Grid 315	informed l ors for intrr i); and 60	Parsons that he usive investigati	was plannin	
	f brush cut conso			N DAT:			-		
	T FOR PROJEC		-				-		
VISITOR				and Kimberly Cash			-		
				-		Korry Sie~	lor		
						Kerry Sing	154		

D:						ATE/DAY: PORT NO:			
	742752 Task .100		ield work a	ind support)		SHEET:	1 of 1		
N:	Stem, NC - Granv	ille County					USAESCH, Rol Sunny, 45 F	and Belew (P	M)
ROGRESS	OR COMPLETE	ED:				weather.	Sullity, 45 I		
1. Land									
	Perimeter Boun		and Surve	yors perimeter survey completed.	Staked ov	on/ 100' on	d blue flagged		
0	Grid Network S			yors perimeter survey completed.	Olakeu ev	ery roo an	a blue llaggea.		
			,	mpleted grid network installation.			ACREAGE Tot	als >>>>	26
		Received fin	al state ap	proval to cut brush by small creek.	Official le	etter in proj	ect file.		
2. Brush	Removal	(19 a ana)					ACREAGE Tot	ala >>>>>	17.86
U	Brush Removed		Bruch Cor	solidation Piles previously cut and	stagod		ACKEAGE 100	ais >>>>	17.80
		Removal of	Brush Col	Isolidation Files previously cut and	stageu.				
3. Clear	ance Action / Intr	usive Investi	gation					-	
0	Lakeview Subdi			r (26 acres/ Mag/Dig acres)			ACREAGE Tot	als >>>>	6.44
	Days Intrusive	Investigation	Details:						
<b>I</b>		F	ARSONS	WORKFORCE				EQU	IPMENT
							On-site		JSED
John Ker	tesz - Site Manager						Yes		
Var C	Site Trailer Phor						v	l	
	ngler - UXO QC/Sa rekalski - Site Mana			ell Phone: 919-690-5427			Yes No	1	
Save CZ	enuisni - one ividila			EPRESENTATIVE			110	t	
								]	
James W	alker - USACE Saf	fety Cell Pho	ne: 256-6	56-2407			No	1	
			SUDCO						
1				ONTRACTOR RK FORCE					
Land Su	rveyor Subcontra	ctor -Newcon						EQUIPMEN	Г
Personn	el:		On-site			On-site			
Land Su	rvey Activities Con	nleted							
	emoval Subcontra		rounds	1		1			
Personn	el:		On-site			On-site			
A-1 Grou	unds Team		Yes					Dump Truck	
	E Removal Subcon	ntractor - US	A	1					
Personn		UXO No.	On-site		UXO No.	On-site			
Robert D		246	No	Norbert McNally	392	No			
Richard Robert S		159	No	James Paksi Brian Bananthian	1003	No			
Robert S George I		278 655	No No	Brian Papenthien Phillip Ratcliff	551 1058	No No			
James H		1001	No	James Royalty	981	No			
Joseph L		407	No	Al Smith	350	No			
Lowell N	Aartin X	803 Morning H	No & S Moot	Charlie Richardson ing Briefing.	160	No Conversion	ns : 100x100 grid	= 23 acres	
	Λ	with ming 11	a 5 Meet	ing briening.		conversion	IS . TOOXTOO BIIG	.25 46165	
	ONAL INFORMA								
				dated brush piles off site.					6
				rge dirt mound around house cu is has been removed from area					
				ent grading activities.					
				garding approval to cut brush an ill be scheduled for next weeken					
BIUSHIE	emoval of the rem	laining creek	Drush w	III be scheduled for next weeken		o impact ir	ILIUSIVE WORK.		
							-		
				All other site details recorded in f	ield logho	oks.	-		
	TIES SCHEDULI								
REQUE	ST FOR PROJEC	CT ACTION:	None.				-		
VISITO	RS:						-		
						Kerry Sing	ler		
ACCIDEN	TS REPORTED TODA	Y:	0			John Kerte			
	TS TO DATE:		0	-			I&T REPRESE	NTATIVE(S)	

):						ATE/DAY:			
742	752 Task .100	00 (intrusive f	ield work a	and support)	. REI	PORT NO: SHEET:			
	n, NC - Granv					CLIENT:	USAESCH, Rol	and Belew (PM	)
DOCRESS OD (	COMDUETE	D.				Weather:	Sunny, 43 F		
ROGRESS OR C 1. Land Surve		D:							
	imeter Boun	dary Survey							
				yors perimeter survey completed.	Staked ev	ery 100' and	d blue flagged.		
0 Grid	d Network Sı		,						
		Land Survey	or has co	mpleted grid network installation.			ACREAGE Tot	als >>>>	26
2. Brush Remo	wal								
	ish Removed	(18 acres)					ACREAGE Tot	als >>>>	17.86
		, ,	Brush Cor	nsolidation Piles previously cut and	staged.				
				nd creek to be cut next weekend.					
3. Clearance A									
lane and the second sec	eview Subdi			r (26 acres/Mag/Dig acres)			ACREAGE Tot	als >>>>	6.44
Day	s Intrusive	Investigation	1 Details:						
		F	ARSONS	WORKFORCE				EOUII	MENT
							On-site		ED
John Kertesz -	Site Manager	. Cell Phone	: 919-690	)-5828			Yes		
Site	Trailer Phon	ne: 919-620-8	8832. FAX	X: 919-620-9043.					
				ell Phone: 919-690-5427			Yes		
Steve Czekalsk	1 - Site Mana	2					No		
		US.	AESCH R	EPRESENTATIVE					
James Walker -	USACE Saf	ety Cell Pho	ne: 256-6	56-2407			No		
	,							1	
				ONTRACTOR					
1.10	61.			RK FORCE					
Land Surveyor Personnel:	r Subcontra	ctor -Newco	On-site	Surveyors		On-site		EQUIPMENT	
i ci sonnei.			On site			OII-SILC			
Land Survey A				<u> </u>					
Brush Remova	al Subcontra	ctor - A-1 G							
Personnel:			On-site			On-site		D ( 1	
A-1 Grounds T	eam		Yes					Dump truck	
UXO/OE Rem	oval Subcon	tractor - US	A	•					
Personnel:		UXO No.	On-site		UXO No.				
Robert Davison	1	246	No	Norbert McNally	392	No			
Richard Funk Robert Shauger		159 278	No No	James Paksi Brian Papenthien	1003 551	No No			
George Edward		655	No	Phillip Ratcliff	1058	No			
James Hunt		1001	No	James Royalty	981	No			
Joseph Lee Hor	ng	407	No	Al Smith	350	No			
Lowell Martin	v	803 Morming H	No	Charlie Richardson	160	No	<i>is</i> : 100x100 grid	= 23 acres	
	X	Morning H	& S Meet	ting Briefing.		Conversion	<i>IS</i> . 100x100 gild	= .25 acres	
ADDITIONAL	L INFORMA	ATION:							
			ly consoli	dated brush piles off site.					
·									
				All other site details recorded in f	ield logbo	oks.			
ACTIVITIES			XT WOR	K DAY:					
Continue intrus	ive removal a	actions.							
REQUEST FO	OR PROJEC	T ACTION	None.						
VISITORS:									
						Kerry Sing	ler		
ACCIDENTS REP	ORTED TODA	Y:	0	-		John Kertes			
ACCIDENTS TO I			0				I&T REPRESEN	NTATIVE(S)	

0:						ATE/DAY:			
	742752 Task .100	00 (intrusive t	field work	and support)	REI	PORT NO: SHEET:			
N:	Stem, NC - Gran		liciu work a	and support)	-		USAESCH, Rolar	nd Belew (P	MD
					-		Sunny, 40 F		/
	OR COMPLETI	ED:							
1. Land	Survey Perimeter Boun	dam Cuman							
	Terimeter Boun		and Surve	yors perimeter survey completed.	Staked ev	erv 100' an	d blue flagged.		
0	Grid Network S			,,					
8		Land Survey	yor has co	mpleted grid network installation.			ACREAGE Total	s >>>>	26
	Removal	1 (10							15.00
0	Brush Removed						ACREAGE Total	\$ >>>>>	17.86
				mpleted clearance of brush with ex duled for this weekend so not to im					
3. Clear	ance Action / Intr			dued for this weekend so not to in		<u>ve</u> .			
1.28	Lakeview Subdi			er (26 acres/ Mag/Dig acres)			ACREAGE Total	s >>>>	7.72
	Days Intrusive								
				were intrusively investigated.					
		I	PARSONS	S WORKFORCE				-	IPMENT
L		a 11	047.5	5050			On-site	ι	USED
John Ker	tesz - Site Manage						No		
Korry Si	Site Trailer Photos			X: 919-620-9043. ell Phone: 919-690-5427			Yes		
	ekalski - Site Mana						Yes		
5.010 02	Site Main	0		EPRESENTATIVE					
James W	alker - USACE Sa	fety Cell Pho	one: 256-6	56-2407			Yes		
				ONTRACTOR DV FORCE					
Land Su	rveyor Subcontra	ctor -Newco		RK FORCE			F	QUIPMENT	r
Personn			On-site	Surveyors		On-site	L	QUIIMLN	
	vey Activities Con								
	emoval Subcontra	actor - A-1 G	On-site			On site			
Personn			On-site			On-site			
									_
	E Removal Subcor		-						
Personn		UXO No.	On-site		UXO No.	On-site	O alta mark in the	-1 \ A //- :: 1	
Robert D Richard I		246 159	Yes Yes	Norbert McNally James Paksi	392 1003	Yes Yes	Schonstedt's an	a vvnite's	
Robert S		278	Yes	Brian Papenthien	551	Yes			
George E		655	Yes	Phillip Ratcliff	1058	Yes			
James Hu		1001	Yes	James Royalty	981	Yes			
Joseph L		407	Yes	Al Smith Charlie Bishardson	350	Yes			
Lowell N	lartin X	803 Morning H	Yes	Charlie Richardson ting Briefing.	160	Yes Conversion	ns : 100x100 grid =	= .23 acres	
	Λ	norming fr	a b mee	ung Direning.		2011015101		.25 00105	
ADDITI	ONAL INFORM	ATION:							
USA cor	ntinued intrusive	activities at I		Subdivision Site. Butner Public	Safety ha	s staffed 2	road guards to s	secure road	access.
	confirmed evacu								
				both White and Schonstedt met					o (Crid 260);
	cone to a 2.36" r			izes (In Grids 362 -2, 374 -2, 37	o -∠ and 3	004 -1)); OI	ne pressure plate		e (Gria 362);
	m found was one			(Grid 375).					
				d and electric caps. All appropr	riate emer	gency cont	tacts were notifie	d prior to d	etonation.
-	onation was succ							<u> </u>	
				nstedt metal detector. Grids inc					
<u>304, 304</u>	IS, 305, 307, 31	0, 311, 320,	320S, 32	21, 330, 331, 352 and 352S. All	20 grids w	vere also p	bassed by the CC	DE oversite	QA_
				All other site details recorded in	field logho	oks.			
ACTIVI	TIES SCHEDUL	ED FOR NE	XT WOR		,				
	activities.								
REQUE	ST FOR PROJEC	CT ACTION	:None.						
VISITO	RS.	No visitors.							
10110		IND VISILOIS.							

		Kerry Singler
ACCIDENTS REPORTED TODAY:	0	Steve Czekalski
ACCIDENTS TO DATE:	0	PARSONS I&T REPRESENTATIVE(S)

						ATE/DAY: PORT NO:			
	742752 Task .100	000 (intrusive f	field work a	and support)	- KEI	SHEET:			
Ń:	Stem, NC - Grany				-		USAESCH, Rol	and Belew (	PM)
						Weather:	Sunny, 40 F		
ROGRESS 1. Land S	OR COMPLETI	ED:							
1. Danus	Perimeter Boun	ndarv Survev							
			and Surve	yors perimeter survey completed.	Staked ev	ery 100' an	d blue flagged.		
0	Grid Network S	Survey (26 acı	res)						
		Land Surve	yor has co	mpleted grid network installation.			ACREAGE Tot	als >>>>	26
	<b>D</b>								
2. Brush	Removal Brush Removed	d (18 acres)					ACREAGE Tot		17.86
0	Drush Removed		e have co	mpleted clearance of brush with ex	cention cr	ook	ACKEAGE IM	<i>uus</i>	17.00
				duled for this weekend so not to im					
3. Cleara	ance Action / Intr					_			
2.25	Lakeview Subdi	ivision and 1	00 ft buffe	r (26 acres/ Mag/Dig acres)			ACREAGE Tot	als >>>>	9.97
	<b>Days Intrusive</b>	Investigation	n Details:						
	Grids 317, 363,	365, 376, 386	5, 396, 406	5, 407, 416, 417 and 425 were intru	sively inve	stigated.			
			ABCONG	WORKFORGE				EO	UDMENT
		1	ARSONS	WORKFORCE			On-site	-	UIPMENT USED
John Kert	esz - Site Manage	er Cell Phone	e 919-69	)-5828			No	1	COLD
soun reele				K: 919-620-9043.			110	1	
Kerry Sin				ell Phone: 919-690-5427			Yes		
Steve Cze	kalski - Site Mana	ager. Cell Ph	one: 919-6	590-5822			Yes		
		US	AESCH R	EPRESENTATIVE					
-		<u> </u>		5 A 40 B				4	
James Wa	alker - USACE Sa	fety Cell Pho	one: 256-6	56-2407			Yes	-	
			SUBCO	ONTRACTOR				l	
				RK FORCE					
Land Sur	rveyor Subcontra	actor -Newco						EQUIPMEN	T
Personne	l:		On-site			On-site			
Lond Sum		mulated							
	vey Activities Con emoval Subcontra	1	rounds						
Personne		actor - 11-1 0	On-site			On-site			
UVO/OF	Domousl Ch	ntuo ot 710							
Personne	Removal Subcor	UXO No.	On-site		UXO No.	On-site			
Robert Da		246	Yes	Norbert McNally	392	Yes	Schonstedt's a	nd White's	
Richard F		159	Yes	James Paksi	1003	Yes			
Robert Sh		278	Yes	Brian Papenthien	551	Yes			
George Ed		655	Yes	Phillip Ratcliff	1058	Yes			
James Hu Joseph Le		1001 407	Yes Yes	James Royalty Al Smith	981 350	Yes Yes			
		803	Yes	Charlie Richardson					
Lowell M	artin			Charne Richardson	160	Yes			
	artin X	Morning H	& S Mee	ting Briefing.	160		<b>s</b> : 100x100 grid	= .23 acres	
Lowell M	Х		& S Mee		160		<i>ıs</i> : 100x100 grid	l = .23 acres	
Lowell M	X DNAL INFORM	ATION:				Conversion			d access.
ADDITIO USA con Parsons	X DNAL INFORM. tinued intrusive a confirmed evacu	ATION: activities at luation of resi	Lakeview idents.	ing Briefing. Subdivision Site. Butner Public	Safety ha	Conversion s staffed 2	road guards to	secure roa	d access.
ADDITIO USA con Parsons Current U	X DNAL INFORM tinued intrusive a confirmed evacu JSA sweep proc	ATION: activities at l uation of resi cedure includ	Lakeview idents. le use of	ing Briefing. Subdivision Site. Butner Public both White and Schonstedt met	Safety ha	Conversion s staffed 2 rs for intrus	road guards to	secure roa	d access.
ADDITIO USA con Parsons Current U OES iten	X DNAL INFORM. tinued intrusive a confirmed evacu JSA sweep proc ns today include:	ATION: activities at l uation of resi cedure incluc : 1 expended	Lakeview idents. le use of d MK-1 fu	ing Briefing. Subdivision Site. Butner Public both White and Schonstedt met ze (Grid 376); One motor to a 2	Safety ha al detecto .36" rocke	Conversion s staffed 2 rs for intrus	road guards to sive investigation	secure roa	
ADDITIC USA con Parsons Current L OES iten USA repu	X DNAL INFORM. tinued intrusive a confirmed evacu JSA sweep proc ns today include: resentative, AI S	ATION: activities at l uation of resi cedure includ :: 1 expended Smith returne	Lakeview idents. le use of d MK-1 fu d to traile	ing Briefing. Subdivision Site. Butner Public both White and Schonstedt met ize (Grid 376); One motor to a 2 r at 1615 with eve problem, irrit	Safety ha al detecto 36" rocke ation from	Conversion s staffed 2 rs for intrus et (Grid 376 contact le	road guards to sive investigatio 5); ns. Mr. Smith r	o secure roa	hat irritation
ADDITIC USA con Parsons Current L OES iten USA repu	X DNAL INFORM. tinued intrusive a confirmed evacu JSA sweep proc ns today include: resentative, AI S	ATION: activities at l uation of resi cedure includ :: 1 expended Smith returne	Lakeview idents. le use of d MK-1 fu d to traile	ing Briefing. Subdivision Site. Butner Public both White and Schonstedt met ze (Grid 376); One motor to a 2	Safety ha al detecto 36" rocke ation from	Conversion s staffed 2 rs for intrus et (Grid 376 contact le	road guards to sive investigatio 5); ns. Mr. Smith r	o secure roa	hat irritation
ADDITIC USA con Parsons Current U OES iten USA repi was not j	X DNAL INFORM. tinued intrusive a confirmed evacu JSA sweep proc ns today include: resentative, AI S	ATION: activities at l uation of resi cedure includ :: 1 expended Smith returne	Lakeview idents. le use of d MK-1 fu d to traile	ing Briefing. Subdivision Site. Butner Public both White and Schonstedt met ize (Grid 376); One motor to a 2 r at 1615 with eve problem, irrit	Safety ha al detecto 36" rocke ation from	Conversion s staffed 2 rs for intrus et (Grid 376 contact le	road guards to sive investigatio 5); ns. Mr. Smith r	o secure roa	hat irritation
ADDITIC USA con Parsons Current U OES iten USA repi was not j	X DNAL INFORM. tinued intrusive a confirmed evacu JSA sweep proc ns today include: resentative, AI S	ATION: activities at l uation of resi cedure includ :: 1 expended Smith returne	Lakeview idents. le use of d MK-1 fu d to traile	ing Briefing. Subdivision Site. Butner Public both White and Schonstedt met ize (Grid 376); One motor to a 2 r at 1615 with eve problem, irrit	Safety ha al detecto 36" rocke ation from	Conversion s staffed 2 rs for intrus et (Grid 376 contact le	road guards to sive investigatio 5); ns. Mr. Smith r	o secure roa	hat irritation
ADDITIC USA con Parsons Current U OES iten USA repi was not j	X DNAL INFORM. tinued intrusive a confirmed evacu JSA sweep proc ns today include: resentative, AI S	ATION: activities at l uation of resi cedure includ :: 1 expended Smith returne	Lakeview idents. le use of d MK-1 fu d to traile	ing Briefing. Subdivision Site. Butner Public both White and Schonstedt met ize (Grid 376); One motor to a 2 r at 1615 with eve problem, irrit	Safety ha al detecto 36" rocke ation from	Conversion s staffed 2 rs for intrus et (Grid 376 contact le	road guards to sive investigatio 5); ns. Mr. Smith r	o secure roa	hat irritation
ADDITIC USA con Parsons Current U OES iten USA repi was not j	X DNAL INFORM. tinued intrusive a confirmed evacu JSA sweep proc ns today include: resentative, AI S	ATION: activities at l uation of resi cedure includ :: 1 expended Smith returne	Lakeview idents. le use of d MK-1 fu d to traile	ing Briefing. Subdivision Site. Butner Public both White and Schonstedt met ize (Grid 376); One motor to a 2 r at 1615 with eve problem, irrit	Safety ha al detecto 36" rocke ation from	Conversion s staffed 2 rs for intrus et (Grid 376 contact le	road guards to sive investigation (3); ns. Mr. Smith r	o secure roa	hat irritation
ADDITIC USA con Parsons Current U OES iten USA repi was not j	X DNAL INFORM. tinued intrusive a confirmed evacu JSA sweep proc ns today include: resentative, AI S	ATION: activities at l uation of resi cedure includ :: 1 expended Smith returne	Lakeview idents. le use of d MK-1 fu d to traile	ing Briefing. Subdivision Site. Butner Public both White and Schonstedt met ize (Grid 376); One motor to a 2 r at 1615 with eve problem, irrit	Safety ha al detecto 36" rocke ation from	Conversion s staffed 2 rs for intrus et (Grid 376 contact le	road guards to sive investigation (3); ns. Mr. Smith r	o secure roa	hat irritation
ADDITIC USA con Parsons Current U OES iten USA repi was not j	X DNAL INFORM. tinued intrusive a confirmed evacu JSA sweep proc ns today include: resentative, AI S	ATION: activities at l uation of resi cedure includ :: 1 expended Smith returne	Lakeview idents. le use of d MK-1 fu d to traile	ing Briefing. Subdivision Site. Butner Public both White and Schonstedt met ize (Grid 376); One motor to a 2 r at 1615 with eve problem, irrit	Safety ha al detecto 36" rocke ation from	Conversion s staffed 2 rs for intrus et (Grid 376 contact le	road guards to sive investigation (3); ns. Mr. Smith r	o secure roa	hat irritation
ADDITIC USA con Parsons Current U OES iten USA repi was not j	X DNAL INFORM. tinued intrusive a confirmed evacu JSA sweep proc ns today include: resentative, AI S	ATION: activities at l uation of resi cedure includ :: 1 expended Smith returne	Lakeview idents. le use of d MK-1 fu d to traile	ing Briefing. Subdivision Site. Butner Public both White and Schonstedt met ize (Grid 376); One motor to a 2 r at 1615 with eve problem, irrit	Safety ha al detecto 36" rocke ation from	Conversion s staffed 2 rs for intrus et (Grid 376 contact le	road guards to sive investigation (3); ns. Mr. Smith r	o secure roa	hat irritation
ADDITIC USA con Parsons Current U OES iten USA repi was not j	X DNAL INFORM. tinued intrusive a confirmed evacu JSA sweep proc ns today include: resentative, AI S	ATION: activities at l uation of resi cedure includ :: 1 expended Smith returne	Lakeview idents. le use of d MK-1 fu d to traile	ing Briefing. Subdivision Site. Butner Public both White and Schonstedt met ize (Grid 376); One motor to a 2 r at 1615 with eve problem, irrit	Safety ha al detecto .36" rocke ation from Smith ren	Conversion s staffed 2 rs for intrus t (Grid 376 contact le noved cont	road guards to sive investigation (3); ns. Mr. Smith r	o secure roa	hat irritation
ADDITIC USA con Parsons Current L OES iten USA rep was not j solution.	X DNAL INFORM. tinued intrusive a confirmed evacu JSA sweep proc ns today include: resentative, AI S	ATION: activities at I uation of resi cedure incluce: 1 expendee Smith returne was botherir	Lakeview idents. le use of d MK-1 fu d to traile ng him ea	ing Briefing. Subdivision Site. Butner Public both White and Schonstedt met ze (Grid 376); One motor to a 2 rat 1615 with eve problem, irrit rlier and had gotten worse. Mr. <i>All other site details recorded in j</i>	Safety ha al detecto .36" rocke ation from Smith ren	Conversion s staffed 2 rs for intrus t (Grid 376 contact le noved cont	road guards to sive investigation (3); ns. Mr. Smith r	o secure roa	hat irritation
ADDITIC USA con Parsons Current L OES iten USA repi was not j solution.	X DNAL INFORM. trinued intrusive : confirmed evacu JSA sweep proc ns today include: resentative. Al S ob related, that w	ATION: activities at I uation of resi cedure incluce: 1 expendee Smith returne was botherir	Lakeview idents. le use of d MK-1 fu d to traile ng him ea	ing Briefing. Subdivision Site. Butner Public both White and Schonstedt met ze (Grid 376); One motor to a 2 rat 1615 with eve problem, irrit rlier and had gotten worse. Mr. <i>All other site details recorded in j</i>	Safety ha al detecto .36" rocke ation from Smith ren	Conversion s staffed 2 rs for intrus t (Grid 376 contact le noved cont	road guards to sive investigation (3); ns. Mr. Smith r	o secure roa	hat irritation
ADDITIC USA con Parsons Current U OES iten USA repr was not j solution.	X DNAL INFORM. titinued intrusive a confirmed evacu. JSA sweep proc ns today include: resentative. Al S iob related, that w FIES SCHEDUL activities.	ATION: activities at 1 uation of resi cedure incluce: : 1 expended Smith returnee was botherin	Lakeview idents. le use of d MK-1 fr d to traile g him ea	ing Briefing. Subdivision Site. Butner Public both White and Schonstedt met ze (Grid 376); One motor to a 2 rat 1615 with eve problem, irrit rlier and had gotten worse. Mr. <i>All other site details recorded in j</i>	Safety ha al detecto .36" rocke ation from Smith ren	Conversion s staffed 2 rs for intrus t (Grid 376 contact le noved cont	road guards to sive investigation (3); ns. Mr. Smith r	o secure roa	hat irritation
ADDITIC USA con Parsons Current U OES iten USA repr was not j solution.	X DNAL INFORM. trinued intrusive : confirmed evacu JSA sweep proc ns today include: resentative. Al S ob related, that w	ATION: activities at 1 uation of resi cedure incluce: : 1 expended Smith returnee was botherin	Lakeview idents. le use of d MK-1 fr d to traile g him ea	ing Briefing. Subdivision Site. Butner Public both White and Schonstedt met ze (Grid 376); One motor to a 2 rat 1615 with eve problem, irrit rlier and had gotten worse. Mr. <i>All other site details recorded in j</i>	Safety ha al detecto .36" rocke ation from Smith ren	Conversion s staffed 2 rs for intrus t (Grid 376 contact le noved cont	road guards to sive investigation (3); ns. Mr. Smith r	o secure roa	hat irritation
ADDITIC USA con Parsons Current U OES iten USA repu was not j solution.	X ONAL INFORM. Use of the second seco	ATION: activities at I uation of resi cedure incluce: 1 expended Smith returne was botherin was botherin LED FOR NE	Lakeview idents. le use of d MK-1 fr d to traile g him ea	ing Briefing. Subdivision Site. Butner Public both White and Schonstedt met ze (Grid 376); One motor to a 2 rat 1615 with eve problem, irrit rlier and had gotten worse. Mr. <i>All other site details recorded in j</i>	Safety ha al detecto .36" rocke ation from Smith ren	Conversion s staffed 2 rs for intrus t (Grid 376 contact le noved cont	road guards to sive investigation (3); ns. Mr. Smith r	o secure roa	hat irritation
ADDITIC USA con Parsons Current U OES iten USA repr was not j solution.	X ONAL INFORM. Use of the second seco	ATION: activities at 1 uation of resi cedure incluce: : 1 expended Smith returnee was botherin	Lakeview idents. le use of d MK-1 fr d to traile g him ea	ing Briefing. Subdivision Site. Butner Public both White and Schonstedt met ze (Grid 376); One motor to a 2 rat 1615 with eve problem, irrit rlier and had gotten worse. Mr. <i>All other site details recorded in j</i>	Safety ha al detecto .36" rocke ation from Smith ren Smith ren	Conversion s staffed 2 rs for intrus t (Grid 376 contact le noved cont	road guards to sive investigatic ); ns. Mr. Smith r act and rinsed	o secure roa	hat irritation
ADDITIC USA con Parsons Current I OES iten USA repi was not j solution.	X ONAL INFORM. tinued intrusive : confirmed evacu JSA sweep proc ns today include resentative. AI S iob related, that the files SCHEDUL activities. ST FOR PROJEC RS:	ATION: activities at 1 uation of resi cedure incluce: 1 expendee Smith returne was botherin was botherin LED FOR NE CT ACTION No visitors.	Lakeview idents. le use of d MK-1 ft d to traile g him ea g him ea Straile XT WOR	ing Briefing. Subdivision Site. Butner Public both White and Schonstedt met ze (Grid 376); One motor to a 2 r at 1615 with eve problem, irrit rlier and had gotten worse. Mr. All other site details recorded in j K DAY:	Safety ha al detecto .36" rocke ation from Smith ren Smith ren	Conversion s staffed 2 rs for intrus (Grid 376 contact le contact le oved cont	road guards to sive investigatic ); ns. Mr. Smith r act and rinsed	o secure roa	hat irritation
ADDITIC USA con Parsons Current U OES iten USA repu was not j solution.	X ONAL INFORM. Use of the second seco	ATION: activities at 1 uation of resi cedure incluce: 1 expendee Smith returne was botherin was botherin LED FOR NE CT ACTION No visitors.	Lakeview idents. le use of d MK-1 fr d to traile g him ea	Ing Briefing. Subdivision Site. Butner Public both White and Schonstedt met ize (Grid 376); One motor to a 2 r at 1615 with eve problem, irrit rlier and had gotten worse. Mr. All other site details recorded in j K DAY:	Safety ha al detecto .36" rocke ation from Smith ren Smith ren	Conversion s staffed 2 rs for intrus t (Grid 376 contact le noved cont oks.	road guards to sive investigatic ); ns. Mr. Smith r act and rinsed	n. nentioned to the second sec	hat irritation n eye wash

):						ATE/DAY:			
-	742752 Task .100	00 (intrusive	field work	and support)	REI	PORT NO: SHEET:			
	Stem, NC - Granv		lielu work a	ind support)	-		USAESCH, Rol	and Belew (P	'M)
-	,				-		Sunny, 40 F		
ROGRESS O 1. Land Su	R COMPLETE	ED:							
ŕ	Perimeter Boun								
0	Grid Network S			yors perimeter survey completed.	Staked ev	ery 100' an	d blue flagged.		
U	Gria Network S		,	mpleted grid network installation.			ACREAGE Tot	als >>>>	26
-		Land Odi Vo	yo: nao oo	inploted gild notifold initialitien.			including for		-0
2. Brush R	emoval								
0	Brush Removed	l (18 acres)					ACREAGE Tot	als >>>>	17.86
-				mpleted clearance of brush with ex duled for this weekend so not to im				<u> </u>	
	ce Action / Intr			(A) ( ) ( ) ( )				. – –	
			0 00	r (26 acres/ Mag/Dig acres)			ACREAGE Tot	als >>>>	12.14
	Days Intrusive			, 322, 387, 388, 389, and 399 were			ad		
<u>-</u>	Gilds 301, 309, .	512, 515, 51	/w, 516w	, 322, 387, 388, 389, and 399 were	e muusivei	y mvestigat	eu.		
		]	PARSONS	WORKFORCE			On-site	-	JIPMENT JSED
John Kertes	z - Site Manager	r. Cell Phone	e: 919-690	)-5828			No	Ì	
				K: 919-620-9043.					
Kerry Single	er - UXO QC/Sa	afety (UXO #	#0262). Ce	ell Phone: 919-690-5427			Yes		
Steve Czeka	alski - Site Mana						Yes		
		US	AESCH R	EPRESENTATIVE					
Inmes Well	er - USACE Saf	faty Call Di-	no: 256 6	56 2407			Vaa	1	
James Walk	ei - USACE Sal	iety Cell Pho	me: 256-6	30-2407			Yes	1	
				ONTRACTOR					
				RK FORCE			1		
	eyor Subcontra	ctor -Newco	mb Land On-site	Surveyors		0		EQUIPMEN	T
Personnel:			On-site			On-site			
Land Surve	y Activities Con	npleted							
	ioval Subcontra	1	Frounds						
Personnel:			On-site			On-site			
			<u>                                     </u>						
UXO/OF F	Removal Subcor	ntractor - 116	SA SA	I					
Personnel:		UXO No.			UXO No.	On-site			
Robert Davi		246	Yes	Norbert McNally	392	Yes	Schonstedt's a	nd White's	
Richard Fur		159	Yes	James Paksi	1003	Yes			
Robert Shau		278	Yes	Brian Papenthien	551	Yes			
George Edw James Hunt		655 1001	Yes Yes	Phillip Ratcliff James Royalty	1058 981	Yes Yes			
Joseph Lee		407	Yes	sames Royalty	701	1 05			
Lowell Mar		803	Yes	Charlie Richardson	160	Yes			
l	Х	Morning H	& S Mee	ing Briefing.		Conversion	ns: 100x100 grid	= .23 acres	
ADDITIO	NAL INFORM	ATION							
	NAL INFORMA		Lakeview	Subdivision Site. Butner Public	Safetv ha	s staffed 2	road quards to	secure road	access
	onfirmed evacu				54.019 110				
				both White and Schonstedt met	al detecto	rs for intru	sive investigatio	n.	
	sentative, AI Si				202 202	DOE 074	2742 275 201	2040 005	
				on grids; 308, 308w, 315, 353, 3	362, 363,	365, 374, 3	374s, 375, 384,	384s, 385,	
	395, 404, 405,			and 416 presentative, on the following gri	ide: 252 3	62 363 3	65 374 3749	375 321 20	245 325
				and 416. All grids passed the C		02, JUJ, J	00, 014, 0140,	010, 004, 00	, 505,
				to a 2.36" rocket (Grid 313), a p		e to a M1 N	line and a fuze	grenade (bo	oth in
Grid 317S)									
				All other site details recorded in j	field logbo	oks.			
	ES SCHEDULI	ED FOR NE	XT WOR	K DAY:					
Intrusive act	uvittes.								
REQUEST									
	FOR PROJEC	T ACTION	:Nope						
	FOR PROJEC	CT ACTION	:None.						

		Kerry Singler
ACCIDENTS REPORTED TODAY:	0	Steve Czekalski
ACCIDENTS TO DATE:	0	PARSONS I&T REPRESENTATIVE(S)

						TE/DAY:			
-	742752 Tech 100	000 (intrucivo	field work	and support)	REF	ORT NO: SHEET:			
-	742752 Task .100 Stem, NC - Grany		field work	ind support)	•		USAESCH, Rol	and Belew (F	PM)
							Cloudy, possible		
	OR COMPLETI	ED:					high 36.		
1. Land Su	Perimeter Boun	ndarv Survev							
1				yors perimeter survey completed.	Staked ev	ery 100' an	d blue flagged.		
0	Grid Network S							_	
		Land Surve	yor has co	mpleted grid network installation.			ACREAGE Tot	als >>>>	26
2. Brush R	amoval								
	Brush Removed	d (18 acres)					ACREAGE Tot	als >>>>	17.86
Ů	2. usir recino rea		rs have co	mpleted clearance of brush.			Tenenter Ten		17100
-				uled for this weekend.					
	ice Action / Intr		8						
			0 00	r (26 acres/Mag/Dig acres)			ACREAGE Tot	als >>>>	14.69
	Days Intrusive			400 406 407 400 1401			1		
	Grids 323, 324,	325, 336, 39	7, 398, 419	0, 420, 426, 427, 428 and 431 were	intrusively	investigate	d.		
			PARSONS	WORKFORCE				EOI	JIPMENT
							On-site	-	USED
	sz - Site Manage						No		
				K: 919-620-9043.				ļ	
				ell Phone: 919-690-5427			Yes	ł	
Steve Czek	alski - Site Mana	2		590-5822 EPRESENTATIVE			Yes		
		03	ALGCII N	LINDDIVIAIIVE				1	
James Wall	ker - USACE Sa	fety Cell Ph	one: 256-6	56-2407			Yes	1	
								<u> </u>	
				NTRACTOR					
Land Surv	eyor Subcontra	etor -Newco		RK FORCE Surveyors				EQUIPMEN	Т
Personnel:			On-site	Surveyors		On-site		LQUIIMLI	
	ey Activities Con		Ļ						
Brush Ren Personnel:	noval Subcontra	actor - A-1 C	Grounds On-site	1		On-site			
. ersonnel.			On-site			on site			
	Removal Subcor				UVON	On -it-			
Personnel: Robert Dav		UXO No. 246	On-site Yes	Norbert McNally	UXO No. 392	On-site Yes	Schonstedt an	d White's	
Richard Fu		159	Yes	James Paksi	1003	Yes			
Robert Shar	uger	278	Yes	Brian Papenthien	551	Yes			
	wards	655	Yes Yes	Phillip Ratcliff	1058	Yes	1		
George Edv	+	1001			0.01	Vaa			
James Hunt		1001 407		James Royalty Al Smith	981 350	Yes Yes			
	Hong		Yes Yes		981 350 160				
James Hunt Joseph Lee	Hong	407 803	Yes Yes	Al Smith	350	Yes Yes	<i>ıs</i> : 100x100 grid	= .23 acres	
James Hunt Joseph Lee Lowell Mar	Hong rtin X	407 803 Morning H	Yes Yes	Al Smith Charlie Richardson	350	Yes Yes	<i>ns</i> : 100x100 grid	= .23 acres	
James Hunt Joseph Lee Lowell Mar	Hong rtin X NAL INFORM	407 803 Morning H	Yes Yes & S Mee	Al Smith Charlie Richardson ting Briefing.	350 160	Yes Yes Conversion	-		1 200000
James Hunt Joseph Lee Lowell Man ADDITIO	Hong rtin X NAL INFORM. nued intrusive a	407 803 Morning H ATION: activities at	Yes Yes & S Mee	Al Smith Charlie Richardson	350 160	Yes Yes Conversion	-		d access.
James Hunt Joseph Lee Lowell Man ADDITIO USA contin Parsons co	Hong rtin X NAL INFORM nued intrusive a confirmed evacu	407 803 Morning H ATION: activities at uation of res	Yes Yes & S Mee Lakeview idents.	Al Smith Charlie Richardson ting Briefing.	350 160 Safety ha	Yes Yes Conversion	road guards to	secure road	d access.
James Hunt Joseph Lee Lowell Mar ADDITIO USA contii Parsons ci Current US	Hong rtin X NAL INFORM. nued intrusive a onfirmed evacu SA sweep proc	407 803 Morning H ATION: activities at uation of res ædure includ	Yes Yes & S Mee Lakeview idents. de use of	Al Smith Charlie Richardson ing Briefing. Subdivision Site. Butner Public both White and Schonstedt meta	350 160 Safety ha	Yes Yes Conversion	road guards to	secure road	d access.
James Hunt Joseph Lee Lowell Mar ADDITIOI USA contii Parsons ca Current US QC was co	Hong rtin X NAL INFORM. nued intrusive a onfirmed evacu SA sweep proc onducted by the	407 803 Morning H ATION: activities at uation of res cedure includ e Parsons L	Yes Yes & S Mee Lakeview idents. de use of	Al Smith Charlie Richardson ing Briefing. Subdivision Site. Butner Public both White and Schonstedt meta pecialist (K.Singler).	350 160 Safety ha	Yes Yes Conversion	road guards to	secure road	d access.
James Hunt Joseph Lee Lowell Mar ADDITIOI USA contii Parsons ca Current US QC was co QA was co	Hong rtin X NAL INFORM nued intrusive a onfirmed evacu SA sweep proc onducted by the	407 803 Morning H ATION: activities at uation of res edure include e Parsons L e USAESCH	Yes Yes & S Mee Lakeview idents. de use of JXO QC s 1 Safety/O	Al Smith Charlie Richardson ting Briefing. Subdivision Site. Butner Public both White and Schonstedt meta pecialist (K.Singler). QA (J.Walker).	350 160 Safety ha	Yes Yes Conversion	road guards to	secure road	d access.
James Hunt Joseph Lee Lowell Mar USA contii Parsons cr Current US QC was cc QA was cc The follow	Hong rtin X NAL INFORM. nued intrusive e onfirmed evacu SA sweep proc onducted by the onducted by the	407 803 Morning H ATION: activities at uation of res cedure include e Parsons L e USAESCH ed the QA c	Yes Yes & S Mee Lakeview idents. de use of JXO QC s 1 Safety/C heck: 308	Al Smith Charlie Richardson ting Briefing. Subdivision Site. Butner Public both White and Schonstedt meta pecialist (K.Singler). A (J.Walker). 5, 308W, 309, 315, 316, 317, and	350 160 Safety ha al detector	Yes Yes Conversion s staffed 2 rs for intrus	road guards to	secure road	d access.
James Hunt Joseph Lee Lowell Mar USA contii Parsons cr Current US QC was cc QA was cc The follow OE scrap	Hong rtin X NAL INFORM. NAL INFORM. SA sweep proc onducted by the onducted by the onducted by the ining grids pass. items found inc	407 803 Morning H ATION: activities at uation of res edure includ e Parsons L e USAESCH ed the QA c clude; One n	Yes Yes & S Mee Lakeview idents. de use of IXO QC s I Safety/C heck: 308 iose cone	Al Smith Charlie Richardson ting Briefing. Subdivision Site. Butner Public both White and Schonstedt meta pecialist (K.Singler). QA (J.Walker).	350 160 Safety ha al detector d 318W.	Yes Yes Conversion is staffed 2 is for intru-	road guards to	secure road	d access.
James Hunt Joseph Lee Lowell Mar USA contin Parsons ci Current US QC was cc QA was cc The follow OE scrap i parts and a	Hong rtin X NAL INFORM. NAL INFORM. SA sweep proc onducted by the onducted by the onducted by the ining grids pass. items found inc	407 803 Morning H ATION: activities at uation of res cedure include e Parsons L e USAESCH ed the QA c clude; One n 36" rocket (f	Yes Yes & S Mee Lakeview idents. de use of UXO QC s H Safety/C theck: 308 iose cone poth in Gr	Al Smith Charlie Richardson ting Briefing. Subdivision Site. Butner Public both White and Schonstedt meta pecialist (K.Singler). AA (J.Walker). 3, 308W, 309, 315, 316, 317, and to a 2.36" A/T rocket (Grid 335)	350 160 Safety ha al detector d 318W.	Yes Yes Conversion is staffed 2 is for intru-	road guards to	secure road	d access.
James Hunt Joseph Lee Lowell Mar USA contit Parsons ci Current US QC was ci QA was ci The follow OE scrab parts and i grenade fu	Hong rtin X NAL INFORM. nued intrusive : onfirmed evact. SA sweep proc onducted by the onducted by the iting grids passe items found inc a motor to a 2.3 uze both found	407 803 Morning H ATION: activities at Jation of res wedure include e Parsons L e USAESCH ed the QA c clude: One n 36" rocket (f in Grid 325.	Yes Yes & S Mee Lakeview idents. de use of UXO QC s H Safety/C heck: 308 iose cone poth in Gr	Al Smith Charlie Richardson ting Briefing. Subdivision Site. Butner Public both White and Schonstedt meta pecialist (K.Singler). AA (J.Walker). 3, 308W, 309, 315, 316, 317, and to a 2.36" A/T rocket (Grid 335)	350 160 Safety ha al detector d 318W. , a grenac m motar a	Yes Yes Conversion s staffed 2 rs for intrus	road guards to sive investigatio	secure road	
James Hunt Joseph Lee Lowell Mar USA contit Parsons ci Current US QC was ci QA was ci The follow OE scrab parts and i grenade fu	Hong rtin X NAL INFORM. nued intrusive : onfirmed evact. SA sweep proc onducted by the onducted by the iting grids passe items found inc a motor to a 2.3 uze both found	407 803 Morning H ATION: activities at Jation of res wedure include e Parsons L e USAESCH ed the QA c clude: One n 36" rocket (f in Grid 325.	Yes Yes & S Mee Lakeview idents. de use of UXO QC s H Safety/C heck: 308 iose cone poth in Gr	Al Smith Charlie Richardson ting Briefing. Subdivision Site. Butner Public. both White and Schonstedt meta pecialist (K.Singler). A (J.Walker). 3, 308W, 309, 315, 316, 317, and to a 2.36" A/T rocket (Grid 335) id 336). A tail section to a 60 m	350 160 Safety ha al detector d 318W. , a grenac m motar a	Yes Yes Conversion s staffed 2 rs for intrus	road guards to sive investigatio	secure road	
James Hunt Joseph Lee Lowell Mar USA contin Parsons c Current US QC was cc QA was cc The follow OE scrap parts and c grenade fit Parsons rc	Hong rtin X NAL INFORM. nued intrusive : onfirmed evact. SA sweep proc onducted by the onducted by the iting grids passe items found inc a motor to a 2.3 uze both found	407 803 Morning H ATION: activities at Jation of res wedure include e Parsons L e USAESCH ed the QA c clude: One n 36" rocket (f in Grid 325.	Yes Yes & S Mee Lakeview idents. de use of UXO QC s H Safety/C heck: 308 iose cone poth in Gr	Al Smith Charlie Richardson ting Briefing. Subdivision Site. Butner Public. both White and Schonstedt meta pecialist (K.Singler). A (J.Walker). 3, 308W, 309, 315, 316, 317, and to a 2.36" A/T rocket (Grid 335) id 336). A tail section to a 60 m	350 160 Safety ha al detector d 318W. , a grenac m motar a	Yes Yes Conversion s staffed 2 rs for intrus	road guards to sive investigatio	secure road	
James Hunt Joseph Lee Lowell Mar USA contin Parsons c Current US QC was cc QA was cc The follow OE scrap parts and c grenade fit Parsons rc	Hong rtin X NAL INFORM. nued intrusive : onfirmed evact. SA sweep proc onducted by the onducted by the iting grids passe items found inc a motor to a 2.3 uze both found	407 803 Morning H ATION: activities at Jation of res wedure include e Parsons L e USAESCH ed the QA c clude: One n 36" rocket (f in Grid 325.	Yes Yes & S Mee Lakeview idents. de use of UXO QC s H Safety/C heck: 308 iose cone poth in Gr	Al Smith Charlie Richardson ting Briefing. Subdivision Site. Butner Public. both White and Schonstedt meta pecialist (K.Singler). A (J.Walker). 3, 308W, 309, 315, 316, 317, and to a 2.36" A/T rocket (Grid 335) id 336). A tail section to a 60 m	350 160 Safety ha al detector d 318W. , a grenac m motar a	Yes Yes Conversion s staffed 2 rs for intrus	road guards to sive investigatio	secure road	
James Hunt Joseph Lee Lowell Mar USA contin Parsons c Current US QC was cc QA was cc The follow OE scrap parts and c grenade fit Parsons rc	Hong rtin X NAL INFORM. nued intrusive : onfirmed evact. SA sweep proc onducted by the onducted by the iting grids passe items found inc a motor to a 2.3 uze both found	407 803 Morning H ATION: activities at Jation of res wedure include e Parsons L e USAESCH ed the QA c clude: One n 36" rocket (f in Grid 325.	Yes Yes & S Mee Lakeview idents. de use of UXO QC s H Safety/C heck: 308 iose cone poth in Gr	Al Smith Charlie Richardson ting Briefing. Subdivision Site. Butner Public. both White and Schonstedt meta pecialist (K.Singler). A (J.Walker). 3, 308W, 309, 315, 316, 317, and to a 2.36" A/T rocket (Grid 335) id 336). A tail section to a 60 m	350 160 Safety ha al detector d 318W. , a grenac m motar a	Yes Yes Conversion s staffed 2 rs for intrus	road guards to sive investigatio	secure road	
James Hunt Joseph Lee Lowell Mar USA contin Parsons c Current US QC was cc QA was cc The follow OE scrap parts and c grenade fit Parsons rc	Hong rtin X NAL INFORM. nued intrusive : onfirmed evact. SA sweep proc onducted by the onducted by the iting grids passe items found inc a motor to a 2.3 uze both found	407 803 Morning H ATION: activities at Jation of res wedure include e Parsons L e USAESCH ed the QA c clude: One n 36" rocket (f in Grid 325.	Yes Yes & S Mee Lakeview idents. de use of UXO QC s H Safety/C heck: 308 iose cone poth in Gr	Al Smith Charlie Richardson ting Briefing. Subdivision Site. Butner Public both White and Schonstedt meta pecialist (K.Singler). A (J.Walker). 3, 308W, 309, 315, 316, 317, and to a 2.36" A/T rocket (Grid 335) id 336). A tail section to a 60 m re requirements for M1 Antitank	350 160 Safety ha al detector d 318W. . a grenac m motar a mine in pr	Yes Yes Conversion s staffed 2 rs for intrus de fuze and nd a reparation	road guards to sive investigatio	secure road	
James Hunt Joseph Lee Lowell Mar ADDITIO USA contil Parsons c Current US QC was cc QA was cc The follow OE scrap parts and i grenade fit Parsons re item.	Hong rtin X NAL INFORM. nued intrusive confirmed evacu. SA sweep proc onducted by the onducted by the	407 803 Morning H ATION: activities at uation of res wedure include e Parsons L e USAESCH e USAESCH e USAESCH in Grid 325. Ind sand bad ED FOR NE	Yes Yes & S Mee Lakeview idents. de use of JXO QC s 1 Safety/C hoek: 300 g enclosu g enclosu	Al Smith Charlie Richardson Charlie Richardson ing Briefing. Subdivision Site. Butner Public both White and Schonstedt meta pecialist (K.Singler). A (J.Walker). 3, 308W, 309, 315, 316, 317, and to a 2.36" A/T rocket (Grid 335) id 336). A tail section to a 60 m re requirements for M1 Antitank All other site details recorded in f K DAY:	350 160 Safety ha al detector d 318W. . a grenac m motar a mine in pr	Yes Yes Conversion s staffed 2 rs for intrus de fuze and nd a reparation	road guards to sive investigatio	secure road	
James Hunt Joseph Lee Lowell Mar ADDITIO USA contil Parsons c Current US QC was cc QA was cc The follow OE scrap parts and i grenade fit Parsons re item.	Hong rtin X NAL INFORM. nued intrusive confirmed evacu. SA sweep proc onducted by the onducted by the	407 803 Morning H ATION: activities at uation of res wedure include e Parsons L e USAESCH e USAESCH e USAESCH in Grid 325. Ind sand bad ED FOR NE	Yes Yes & S Mee Lakeview idents. de use of JXO QC s 1 Safety/C hoek: 300 g enclosu g enclosu	Al Smith Charlie Richardson ting Briefing. Subdivision Site. Butner Public both White and Schonstedt meta pecialist (K.Singler). A (J.Walker). 3, 308W, 309, 315, 316, 317, and to a 2.36" A/T rocket (Grid 335) id 336). A tail section to a 60 m re requirements for M1 Antitank All other site details recorded in J	350 160 Safety ha al detector d 318W. L a grenac m motar a mine in pr	Yes Yes Conversion s staffed 2 rs for intrus de fuze and nd a reparation	road guards to sive investigatio	secure road	

VISITORS: Surveyors from Newcome LS - Brian Parrish, Lee Overton.

ACCIDENTS REPORTED TODAY: 0 ACCIDENTS TO DATE: 0 ACCIDENTS TO DATE: 0

):								
						ATE/DAY: PORT NO:		
	742752 Task .100	000 (intrusive fi	eld work a	nd support)	KE	SHEET:		
N:	Stem, NC - Granv	ville County			-		USAESCH, Rola	and Belew (PM)
ROGRESS	OR COMPLETE	Ð				Weather:	Cloudy, 40 F	
1. Land S								
	Perimeter Boun			yors perimeter survey completed.	Staked ave	n/ 100' and	blue flogged	
0	Grid Network St			yors pennieter survey completed.	Stakeu eve	iy ioo aliu	blue llaggeu.	
J		Land Survey	or has cor	npleted grid network installation.			ACREAGE Tota	als >>>> 26
2. Brush	D							
2. Brush	Removal Brush Removed	(18 acres)					ACREAGE Tota	als >>>> 18.86
			s have cor	npleted clearance of brush.				
				buffer around onsite creek conduc	ted during	weekend.		
3. Cleara	nce Action / Intr Lakeview Subdi			r (26 acres/ Mag/Dig acres)			ACREAGE Tota	als >>>> 18.25
	Days Intrusive			(				
	Grids 328, 338, 3	339, 349, 350	, 360, 372	, 371, 382, 381, 390, 391, 392, 400	, 401, 402,	411, and 41	2 were intrusively	y investigated.
		Т	ADSONG	S WORKFORCE			1	EQUIPMENT
		I	AKSON	WORKFORCE			On-site	USED
John Kert	esz - Site Manager						No	
Kom. C:	Site Trailer Phor			(; 919-620-9043. Il Phone: 919-690-5427			Var	
Kerry Sin	giei - UAU QU/Sa		,	II Phone: 919-690-5427			Yes	1
								1
James Wa	lker - USACE Saf	fety Cell Phor	ne: 256-65	6-2407			Yes	4
			SUBCO	ONTRACTOR				
			WOF	RK FORCE				
Land Sur Personne	veyor Subcontra	ctor -Newcon	nb Land S On-site	Surveyors		On-site		EQUIPMENT
rersonne			On-site			On-site		
	vey Activities Com			İ				
Brush Re Personne	moval Subcontra 1.	actor - A-1 Gi	ounds On-site			On-site		
i ei sonne			Yes			On-site		
	-		18 and 1/1	9 around creek when intrusive not	operating.			
UXO/OE Personne	Removal Subcon	UXO No.	A On-site		UXO No.	On-site		
sound		246	Yes	Norbert McNally	392	Yes		
Robert Da	ivison	210					Cohonotodt on	d White's
Richard F	unk	159	Yes	James Paksi	1003	Yes	Schonstedt and	u whites
Richard F Robert Sh	unk auger		Yes Yes Yes	Brian Papenthien	1003 551 1058	Yes Yes Yes	Schonsteut and	d Willes
Richard F Robert Sh George Ec James Hu	unk auger lwards nt	159 278 655 1001	Yes Yes Yes	Brian Papenthien Phillip Ratcliff James Royalty	551 1058 981	Yes Yes Yes		u white's
Richard F Robert Sh George Ec James Hu Joseph Le	unk auger dwards nt e Hong	159 278 655 1001 407	Yes Yes Yes Yes	Brian Papenthien Phillip Ratcliff James Royalty Al Smith	551 1058 981 350	Yes Yes Yes Yes		
Richard F Robert Sh George Ec James Hu	unk auger dwards nt e Hong artin	159 278 655 1001 407 803	Yes Yes Yes Yes Yes	Brian Papenthien Phillip Ratcliff James Royalty Al Smith Charlie Richardson	551 1058 981	Yes Yes Yes Yes Yes		
Richard F Robert Sh George Ec James Huu Joseph Le Lowell M	unk auger dwards nt e Hong artin X DNAL INFORMA	159 278 655 1001 407 803 Morning H	Yes Yes Yes Yes Yes & S Meet	Brian Papenthien Phillip Ratcliff James Royalty Al Smith Charlie Richardson ing Briefing.	551 1058 981 350 160	Yes Yes Yes Yes Conversion	ns : 100x100 grid	= .23 acres.
Richard F Robert Sh George Ec James Huu Joseph Le Lowell M ADDITIC A-1 grout Hill's prop Parsons (1/19) all currently USA con	unk auger Jwards nt e Hong artin X NAL INFORM/A nds on-site Fri. S perty. Remaining has recieved wri brush had been	159 278 655 1001 407 803 Morning H of ATION: Sat, and Sun g brush on H tten approva cut and rem tut approva cut and rem j	Yes Yes Yes Yes & S Meet (1/17 thrn iill's prope I to condr oved fror akeview	Brian Papenthien Phillip Ratcliff James Royalty Al Smith Charlie Richardson	551 1058 981 350 160 Didated br cause of c	Yes Yes Yes Yes Conversion ush piles fit concern of NC Divisio of brush cc	ts: 100x100 grid rom site, as well impact to riparia n of Water Qual onsolidations out	= .23 acres. I as continue brush cuttin an buffer of creek in quesi ity dated 1/10/03. As of 3 tside site boundaries is
Richard F Robert Sh George Ec James Huu Joseph Le Lowell M Hill's prop Parsons: (1/19) all currently USA con Parsons: Current U	unk auger dwards at the Hong artin X NAL INFORMA ds on-site Fri. S perty. Remaining has recieved wri brush had been being scheduled tinued intrusive e confirmed evacu JSA sweep proce	159 278 655 1001 407 803 Morning H 407 Sat, and Sun a brush on H titen approva cut and rem t activities at L uation of resid edure include	Yes Yes Yes Yes Xes Xes Xes Xes Xes Yes Xes Xes Yes Xes Yes Xes Yes Yes Xes Yes Yes Xes Yes Yes Yes Yes Yes Yes Yes Yes Yes Y	Brian Papenthien Phillip Ratcliff James Royalty Al Smith Charlie Richardson <b>ing Briefing</b> . u 1/19) in effort to remove consc rify was previously left uncut be uct brush cutting within this area in the 26 acre premises. Further Subdivision Site. Butner Public S sooth White and Schonstedt meta	551 1058 981 350 160 Dildated br cause of c from the removal of Safety has	Yes Yes Yes Yes Conversion Conversion On Divisio of brush cc a staffed 2 s for intrus	rom site, as well impact to riparia n of Water Qual insolidations out road guards to s ive investigation	= .23 acres. I as continue brush cuttim an buffer of creek in quesi lity dated 1/10/03. As of 3 tside site boundaries is secure road access. h.
Richard F Robert Sh George Ec James Huu Joseph Le Lowell M Hill's prop Parsons: (1/19) all currently USA con Parsons: Current U	unk auger dwards nt e Hong artin X DNAL INFORM/A Mds on-site Fri, S oertv. Remainint has recieved wri brush had been being scheduled tinued intrusive a confirmed evacu JSA sweep procu JSA sweep procu	159 278 655 1001 407 803 Morning H 407 Sat, and Sun a brush on H titen approva cut and rem t activities at L uation of resid edure include	Yes Yes Yes Yes Xes Xes Xes Xes Xes Yes Xes Xes Yes Xes Yes Xes Yes Yes Xes Yes Yes Xes Yes Yes Yes Yes Yes Yes Yes Yes Yes Y	Brian Papenthien Phillip Ratcliff James Royalty Al Smith Charlie Richardson <b>ing Briefing.</b> u 1/19) in effort to remove consc erty was previously left uncut be uct brush cutting within this area n the 26 acre premises. Further Subdivision Site. Butner Public 5	551 1058 981 350 160 Dildated br cause of c from the removal of Safety has	Yes Yes Yes Yes Conversion Conversion On Divisio of brush cc a staffed 2 s for intrus	rom site, as well impact to riparia n of Water Qual insolidations out road guards to s ive investigation	= .23 acres. I as continue brush cuttim an buffer of creek in quesi lity dated 1/10/03. As of 3 tside site boundaries is secure road access. h.
Richard F Robert Sh George E, James Huu Joseph Le Lowell M ADDITIC A-1 grouu Hill's pror Parsons Currently USA con Parsons Current U UXO iten without ir Property	unk auger au	159 278 655 1001 407 803 Morning H. ATION: at, and Sun a brush on H tten approva cut and rem activities at L activities at L a	Yes Yes Yes Yes & S Meet (1/17 thri lill's prope I to condi oved fror akeview dents. e use of t 349 inclu phone mo	Brian Papenthien Phillip Ratcliff James Royalty Al Smith Charlie Richardson ing Briefing. u 1/19) in effort to remove conso rity was previously left uncut be uct brush cutting within this area in the 26 acre premises. Further Subdivision Site. Butner Public S poth White and Schonstedt meta ided a 37mm HE projectile and I essage of findings made on his J	551 1058 981 350 160 Diidated br cause of c from the removal Safety has al detector MkII grena pasture.	Yes Yes Yes Yes Yes Conversion ush piles fi xoncern of NC Divisio of brush cc a staffed 2 s for intrus ide. Both i	ts: 100x100 grid rom site, as well impact to riparia n of Water Qual insolidations out road guards to s ive investigation tems were blow	= .23 acres. I as continue brush cuttim an buffer of creek in quesi lity dated 1/10/03. As of 3 tside site boundaries is secure road access. h.
Richard F Robert Sh George Ec James Hui Joseph Le Lowell M Algorithm Algorithm Parsons (1/19) all currently USA con Parsons Current L UXO item without ir Property OES item OES item	unk auger dwards the denge artin As on-site Fri. S onAL INFORM/A being scheduled tinued intrusive a confirmed evacu tinued intrusive a confirmed evacu tinued intrusive a confirmed evacu tinued intrusive a tinued anti- tinued anti	159 278 655 1001 407 803 Morning H - ATION: Bat and Sum A at and Sum A at and Sum A at and Sum A at and Sum A attivities at L activities at L	Yes Yes Yes Xes S Meet (1/17 thrn ill's prop I to condu oved fror akeview dents. e use of t 349 inclu phone me o grid 371	Brian Papenthien Phillip Ratcliff James Royalty Al Smith Charlie Richardson ing Briefing. u 1/19) in effort to remove consc rity was previously left uncut be uct brush cutting within this area n the 26 acre premises. Further Subdivision Site. Butner Public S both White and Schonstedt meta ded a 37mm HE projectile and I essage of findings made on his included 2.36* rocket motor (ine	551 1058 981 350 160 blidated br cause of c from the removal Safety has al detector MkII grena pasture.	Yes Yes Yes Yes Yes Conversion ush piles fi xoncern of NC Divisio of brush cc a staffed 2 s for intrus ide. Both i	ts: 100x100 grid rom site, as well impact to riparia n of Water Qual insolidations out road guards to s ive investigation tems were blow	= .23 acres. I as continue brush cuttim an buffer of creek in quesi lity dated 1/10/03. As of 3 tside site boundaries is secure road access. h.
Richard F Robert Sh George E, James Huu Joseph Le Lowell M ADDITIC A-1 groun Hill's pror Parsons Currently USA con Parsons Currently UXO iten without in Property OES iten QC was G	unk auger au	159 278 655 1001 407 803 Morning H at and Sun a brush on H tten approva cut and rem activities at L activities	Yes Yes Yes Yes Yes & S Meet (1/17 thri fill's prope ill to cond oved fror akeview dents. e use of t 349 inclu phone mi grid 371 (So QC sp Safety/Q	Brian Papenthien Phillip Ratcliff James Royalty Al Smith Charlie Richardson ing Briefing. u 1/19) in effort to remove conso rify was previously left uncut be uct brush cutting within this area in the 26 acre premises. Further Subdivision Site. Butner Public S both White and Schonstedt meta ided a 37mm HE projectile and I essage of findings made on his j included 2.36" rocket motor (ine becialist (K.Singler). A (J.Walker).	551 1058 981 350 160 bidated br cause of c from the removal of Safety has a detector MkII grena pasture. rt) and ex	Yes Yes Yes Yes Yes Conversion ush piles fi concern of NC Divisio of brush cc s staffed 2 s for intrus ide. Both i	ts: 100x100 grid rom site, as well impact to riparia n of Water Qual insolidations out road guards to s ive investigation tems were blow	= .23 acres. I as continue brush cuttin an buffer of creek in quess lity dated 1/10/03. As of 1 tside site boundaries is secure road access. h. min place today at apprx
Richard F Robert Sh George E, James Huu Joseph Le Lowell M ADDITIC A-1 groun Hill's pror Parsons Currently USA con Parsons Currently UXO iten without in Property OES iten QC was G	unk auger au	159 278 655 1001 407 803 Morning H at and Sun a brush on H tten approva cut and rem activities at L activities	Yes Yes Yes Yes Yes & S Meet (1/17 thri fill's prope ill to cond oved fror akeview dents. e use of t 349 inclu phone mi grid 371 (So QC sp Safety/Q	Brian Papenthien Phillip Ratcliff James Royalty Al Smith Charlie Richardson ing Briefing. u 1/19) in effort to remove consc arty was previously left uncut be uct brush cutting within this area n the 26 acre premises. Further Subdivision Site. Butner Public S subdivision Site. Butner Public S both White and Schonstedt meta ided a 37mm HE projectile and I essage of findings made on his j included 2.36" rocket motor (ine pecialist (K.Singler).	551 1058 981 350 160 bidated br cause of c from the removal of Safety has a detector MkII grena pasture. rt) and ex	Yes Yes Yes Yes Yes Conversion ush piles fi concern of NC Divisio of brush cc s staffed 2 s for intrus ide. Both i	ts: 100x100 grid rom site, as well impact to riparia n of Water Qual insolidations out road guards to s ive investigation tems were blow	= .23 acres. I as continue brush cuttin an buffer of creek in quess lity dated 1/10/03. As of 1 tside site boundaries is secure road access. h. min place today at apprx
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Richard F Robert Sh George Ed James Hui Joseph Le Lowell M ADDITHC A-1 grout Hill's proy Parsons Currently USA con Parsons Currently USA con Parsons Currently USA con Parsons Currently OES iten QC was c Grids 30'	unk auger au	159 278 655 1001 407 803 Morning H - ATION: 3at, and Sun g brush on H titen approva cut and rem activities at L activities at	Yes Yes Yes Yes Yes (1/17 thri lill's prope I to condi oved fror akeview oved fror akeview oved fror akeview oved fror 349 inclu grid 371 XG Qc sp Safety/Q 25, 336, 3	Brian Papenthien Phillip Ratcliff James Royalty Al Smith Charlie Richardson ing Briefing. u 1/19) in effort to remove conso erty was previously left uncut be uct brush cutting within this area n the 26 acre premises. Further Subdivision Site. Butner Public S both White and Schonstedt meta ided a 37mm HE projectile and I essage of findings made on his j included 2.36" rocket motor (ine becialist (K.Singler). A (J.Walker). 376, 386, 387, 388, 396, 397, 35 All other site details recorded in f	551 1058 981 350 160 Plidated br cause of 0 from the removal 1 Safety has al detector MkII grena pasture. rt) and ex	Yes Yes Yes Yes Yes Conversion of Drush cc of brush cc a staffed 2 s for intrus ade. Both i	ts: 100x100 grid rom site, as well impact to riparia n of Water Qual insolidations out road guards to s ive investigation tems were blow	= .23 acres. I as continue brush cuttin an buffer of creek in quesi lity dated 1/10/03. As of 1 tside site boundaries is secure road access. h. n in place today at apprx
Richard F Robert Sh George Ed James Hui Joseph Le Lowell M ADDITHC A-1 grout Hill's proy Parsons Currently USA con Parsons Currently USA con Parsons Currently USA con Parsons Currently OES iten QC was c Grids 30'	unk auger au	159 278 655 1001 407 803 Morning H - ATION: 3at, and Sun g brush on H titen approva cut and rem activities at L activities at	Yes Yes Yes Yes Yes (1/17 thri lill's prope I to condi oved fror akeview oved fror akeview oved fror akeview oved fror 349 inclu grid 371 XG Qc sp Safety/Q 25, 336, 3	Brian Papenthien Phillip Ratcliff James Royalty Al Smith Charlie Richardson ing Briefing. u 1/19) in effort to remove conso erty was previously left uncut be uct brush cutting within this area n the 26 acre premises. Further Subdivision Site. Butner Public S both White and Schonstedt meta ided a 37mm HE projectile and I essage of findings made on his j included 2.36" rocket motor (ine becialist (K.Singler). A (J.Walker). 376, 386, 387, 388, 396, 397, 35 All other site details recorded in f	551 1058 981 350 160 Plidated br cause of 0 from the removal 1 Safety has al detector MkII grena pasture. rt) and ex	Yes Yes Yes Yes Yes Conversion of Drush cc of brush cc a staffed 2 s for intrus ade. Both i	ts: 100x100 grid rom site, as well impact to riparia n of Water Qual insolidations out road guards to s ive investigation tems were blow	= .23 acres. I as continue brush cuttin an buffer of creek in quesi lity dated 1/10/03. As of 1 tside site boundaries is secure road access. h. n in place today at apprx
Richard F Robert Sh George E.Z. James Hui Joseph Le Lowell M ADDITIC A-1 groun Hill's prog Parsons Currently USA con Parsons Currently USA con QC was of QC was of Grids 300 Continue of REQUES	unk auger au	159 278 655 1001 407 803 Morning H - ATION: 3at, and Sun g brush on H titen approva cut and rem activities at L activities at	Yes Yes Yes Yes Yes (1/17 thri lill's prope I to condi oved fror akeview oved fror akeview oved fror akeview oved fror 349 inclu grid 371 XG Qc sp Safety/Q 25, 336, 3	Brian Papenthien Phillip Ratcliff James Royalty Al Smith Charlie Richardson ing Briefing. u 1/19) in effort to remove conso erty was previously left uncut be uct brush cutting within this area n the 26 acre premises. Further Subdivision Site. Butner Public S both White and Schonstedt meta ided a 37mm HE projectile and I essage of findings made on his j included 2.36" rocket motor (ine becialist (K.Singler). A (J.Walker). 376, 386, 387, 388, 396, 397, 35 All other site details recorded in f	551 1058 981 350 160 Plidated br cause of 0 from the removal 1 Safety has al detector MkII grena pasture. rt) and ex	Yes Yes Yes Yes Yes Conversion of Divisio of brush cc s staffed 2 s for intrus ade. Both i pended group 20, and 420 conversion	In steel as well impact to riparia n of Water Qual insolidations out road guards to s ive investigation tems were blow enade fuze.	= .23 acres. I as continue brush cuttin an buffer of creek in quesi lity dated 1/10/03. As of 1 tside site boundaries is secure road access. h. n in place today at apprx
Richard F         Robert Sh         George EA         James Hui         Joseph Le         Lowell M         Millis program         Parsons         Currently         USA construction         Parsons         Currently         USA construction         QC was of         QA was of         Grids 30°         Currently         REQUES         VISITOR	unk auger au	159 278 655 1001 407 803 Morning H . ATTION: Sat, and Sun g brush on H tten approva cut and rem is activities at L activities	Yes Yes Yes Yes Yes (1/17 thri lill's prope I to condi oved fror akeview oved fror akeview oved fror akeview oved fror 349 inclu grid 371 XG Qc sp Safety/Q 25, 336, 3	Brian Papenthien Phillip Ratcliff James Royalty Al Smith Charlie Richardson ing Briefing. u 1/19) in effort to remove consc erty was previously left uncut be uct brush cutting within this area n the 26 acre premises. Further Subdivision Site. Butner Public S both White and Schonstedt meta ded a 37mm HE projectile and I essage of findings made on his s included 2.36" rocket motor (ine pecialist (K.Singler). A (J.Walker). 776, 386, 387, 388, 396, 397, 38 All other site details recorded in f K DAY:	551 1058 981 350 160 Plidated br cause of 0 from the removal 1 Safety has al detector MkII grena pasture. rt) and ex	Yes Yes Yes Yes Yes Conversion of brush cc s staffed 2 s for intrus ide. Both i pended group 20, and 420 20, and 4	Ins: 100x100 grid impact to riparia n of Water Qual insolidations out road guards to s ive investigation tems were blow enade fuze. B passed govern	= .23 acres.  I as continue brush cuttin an buffer of creek in quesi lity dated 1/10/03. As of 5 tside site boundaries is secure road access.  n. nment QA check.

D:					-	ATE/DAY:			
	742752 Task .100	00 (intrusivo)	Field work (	and support)	- RE	PORT NO: SHEET:			
N:	Stem, NC - Gran	``		ind support)	-		USAESCH, Rola	and Belew (Pl	(N
					-		Cloudy, 35 F	•	
	OR COMPLETI	ED:							
1. Land	Survey Perimeter Boun	dary Survey							
	I erimeter boun		and Surve	yors perimeter survey completed.	Staked ev	verv 100' an	d blue flagged.		
0	Grid Network S			,,		.,	55		
	-	Land Surve	yor has co	mpleted grid network installation.			ACREAGE Tota	als >>>>	26
2. Brush									
0	Brush Removed	l (18 acres)					ACREAGE Tota	als >>>>	18.86
		Brush cutter	s have co	mpleted clearance of brush.					
2 Clean	nos Astion / Inter	maire Invest	lastion						
3. Cleara	ance Action / Intr Lakeview Subdi		8	r (26 acres/ Mag/Dig acres)			ACREAGE Tot		19.98
1.75	Days Intrusive		0 00	(20 ucres) Mug/Dig ucres)			ACKEAGE TOU	uis	19.98
				2, 430, 421, and 422 were intrusivel	v investio	atad			
	01103 516, 527,	540, 557, 57	J, 560, <del>4</del> 52	2, 450, 421, and 422 were initiative	ly investig	ateu.			
		]	PARSONS	WORKFORCE				EQU	IPMENT
							On-site	-	SED
John Kert	esz - Site Manage	r. Cell Phone	e: 919-690	)-5828			No		
	Site Trailer Phot								
Kerry Sin	gler - UXO QC/Sa			ell Phone: 919-690-5427			Yes		
		US	AESCH R	EPRESENTATIVE				l	
								4	
James Wa	alker - USACE Sa	fety Cell Pho	one: 256-6	56-2407			Yes	1	
			SUPCO	ONTRACTOR			1	I	
1				RK FORCE					
Land Sur	rveyor Subcontra	ctor -Newco	mb Land	Surveyors				EQUIPMENT	*
Personne	d:		On-site			On-site			
	vey Activities Con								
	emoval Subcontra	actor - A-I G	On-site	1		On site			
Personne	1;		Oll-Site			On-site			
Brush Cut	tting Activities Co	mpleted							
	Removal Subcon	1	SA	•		•	İ		
Personne	4:	UXO No.	On-site		UXO No.	On-site			
Robert Da		246	Yes	Norbert McNally	392	Yes	-		
Richard F		159	Yes	James Paksi	1003	Yes	Schonstedt and	d White's	
Robert Sh George E		278 655	Yes Yes	Brian Papenthien Phillip Ratcliff	551 1058	Yes Yes			
James Hu		1001	Yes	James Royalty	981	Yes			
Joseph Le		407	Yes	Al Smith	350	Yes			
Lowell M		803	Yes	Charlie Richardson	160	Yes			
	X	Morning H	& S Mee	ting Briefing.		Conversion	ns : 100x100 grid	= .23 acres	
USA con Parsons Current U OES iten 348; and	confirmed evacu JSA sweep proc ns recovered from a tail assembly	activities at Jation of res edure incluc m today incl for rifle gren	idents. le use of uded: 60 ade in gr	<u>+ +</u>	al detecto	rs for intru	sive investigatio	n.	
QA was	conducted by the	e USAESCH	Safety/C	pecialist (K.Singler). 0A (J.Walker). 382, 389, 390, 391, 392, 400, 4	01, 402, 4	107, 417, 4	25, 426, and 42	?7 passed go	vernment QA
					01, 402, 4	407, 417, 4	25, 426, and 42	?7 passed go	vernment Q
<u> </u>				All other site details recorded in j	field logbo	oks.			
	FIES SCHEDUL		XT WOR	K DAY:					
Continue	0 to 6 inch clearar	ice.							
REOUES	ST FOR PROJEC	T ACTION	:None						
ILQUEC		. nemon							
VISITOR	RS:								
				-		Kerry Sing			
	'S REPORTED TODA	Y:	0	-		Steve Czek		NTATIVE (C)	
ACCIDENT	'S TO DATE:			-		TARSUNS	I&T REPRESEN	$x_1A_11VE(S)$	

					D	ATE/DAY:	1/22/2003		
					REI	PORT NO:			
N:	742752 Task .100 Stem, NC - Granv		ield work a	nd support)	-	SHEET: CLIENT:	USAESCH, Ro	land Belew (P	M)
	Steni, ive - Granv	ine county			-		Cloudy, 35 F	nana Belew (1	(MI)
	S OR COMPLET	ſED:							
1. Land	Survey Perimeter Boun	1 6							
		1 1		yors perimeter survey completed.	Staked eve	rv 100' and	blue flagged.		
0	Grid Network S			,,		.,			
		Land Survey	or has con	npleted grid network installation.			ACREAGE To	tals >>>>	26
	n Removal	1 (10							10.07
0	Brush Removed						ACREAGE To	tals >>>>	18.86
		Brush cutter	s have cor	npleted clearance of brush.					
3. Clear	rance Action / Inti	rusive Inves	tigation						
2	Lakeview Subdi		· ·	fer (26 acres/Mag/Dig acres)			ACREAGE To	tals >>>>	21.98
	Days Intrusive	Investigatio	on Details						
	Grids 319, 323,	332, 333, 33	4, 366, 36	7, 368, and 369 were intrusively	investigate	d.			
		,	L DCON	WORKEODOE				FOUR	
		ł	PARSONS	WORKFORCE			On-site		PMENT SED
John Ke	rtesz - Site Manage	er Cell Phor	ne: 919-6	90-5828			No	0	SLD
				X: 919-620-9043.				1	
Kerry Si				Cell Phone: 919-690-5427			Yes		
		US.	AESCH R	EPRESENTATIVE					
<u> </u>									
James W	/alker - USACE Sa	afety Cell Ph	none: 256-	656-2407			Yes		
			SUBCO	NTRACTOR				1	
				RK FORCE					
	rveyor Subcontra	actor -Newc		d Surveyors				EQUIPMENT	
Personn	el:		On-site			On-site			
Land Su	rvey Activities Cor	mnleted							
	emoval Subcontr		Grounds						
Personn	el:		On-site			On-site			
D 1 0		1							
	utting Activities Co E Removal Subco		IS A						
Personn		UXO No.	On-site		UXO No.	On-site			
Robert D		246	Yes	Norbert McNally	392	Yes			
Richard		159	Yes	James Paksi	1003	Yes	Schonstedt ar	nd White's	
Robert S George I	Edwards	278 655	Yes Yes	Brian Papenthien Phillip Ratcliff	551 1058	Yes Yes			
James H		1001	Yes	James Royalty	981	Yes			
	ee Hong	407	Yes	Al Smith	350	Yes			
Joseph L		803	Yes	Charlie Richardson	160	Yes	ns: 100x100 gri	d = 23 acres	
	Martin	IM owning U	a s mee	ung briefing.		conversion	13 . 100x100 gri	u .25 ueres.	
Joseph L	Martin	Morning H							
Joseph L Lowell N	Martin	-							
Joseph L Lowell M ADDITI	Martin X	IATION:	t Lakevie	w Subdivision Site. Butner Pub	lic Safety	has staffe	d 2 road guard	Is to secure r	oad acces
Joseph L Lowell N ADDITI USA co Parsons	Martin X IONAL INFORM Intinued intrusive s confirmed evacu	IATION: activities at cuation of re-	sidents.						oad acces
Joseph L Lowell N ADDITI USA co Parsons Current	Martin X IONAL INFORM ntinued intrusive s confirmed evacu USA sweep proc	IATION: activities at suation of re- cedure inclu	sidents. Ide use o	f both White and Schonstedt m	netal dete	ctors for in	trusive investig	gation.	
ADDITI USA co Parsons Current UXO ite	IONAL INFORM ntinued intrusive s confirmed evacu USA sweep proc ems recovered too	IATION: activities at uation of re- cedure inclu day include	sidents. ide use o d: M1 lan	f both White and Schonstedt m d mine fuze in grid 334; and M	netal dete	ctors for in	trusive investig	gation.	
ADDITI USA co Parsons Current UXO ite success	Martin X IONAL INFORM Intinued intrusive s confirmed evacu USA sweep proc ms recovered too sfully blown in pla	ATION: activities at suation of re- cedure included day included ace without	sidents. Ide use o d: M1 lan incidence	f both White and Schonstedt m d mine fuze in grid 334; and M	netal dete	ctors for in	trusive investig	gation.	
ADDITT USA co Parsons Current UXO ite success Property J.Willett	Martin X IONAL INFORM Intinued intrusive is confirmed evaci USA sweep proc mms recovered too Sfully blown in play y owner C.Hill wa te phoned in toda	IATION: activities at cuation of re- cedure included day included ace without as contacted ay and was	sidents. Ide use o d: M1 lan incidence d in perso specifical	f both White and Schonstedt n d mine fuze in grid 334; and M b. n and notified of finding. ly informed of the details of UX	netal dete 1400 fuze	ctors for in to 2.36-inc	trusive investig h rocket motor	gation. r in grid 335.	
ADDITT USA co Parsons Current UXO ite success Property J.Willett	Martin X IONAL INFORM Intinued intrusive is confirmed evaci USA sweep proc mms recovered too Sfully blown in play y owner C.Hill wa te phoned in toda	IATION: activities at cuation of re- cedure included day included ace without as contacted ay and was	sidents. Ide use o d: M1 lan incidence d in perso specifical	f both White and Schonstedt r d mine fuze in grid 334; and M a n and notified of finding.	netal dete 1400 fuze	ctors for in to 2.36-inc	trusive investig h rocket motor	gation. r in grid 335.	
ADDITT USA co Parsons Current UXO ite success Property J.Willett	Martin X IONAL INFORM Intinued intrusive is confirmed evaci USA sweep proc mms recovered too Sfully blown in play y owner C.Hill wa te phoned in toda	IATION: activities at cuation of re- cedure included day included ace without as contacted ay and was	sidents. Ide use o d: M1 lan incidence d in perso specifical	f both White and Schonstedt n d mine fuze in grid 334; and M b. n and notified of finding. ly informed of the details of UX	netal dete 1400 fuze	ctors for in to 2.36-inc	trusive investig h rocket motor	gation. r in grid 335.	
ADDITT USA co Parsons Current UXO ite success Property J.Willett	Martin X IONAL INFORM Intinued intrusive is confirmed evaci USA sweep proc mms recovered too Sfully blown in play y owner C.Hill wa te phoned in toda	IATION: activities at cuation of re- cedure included day included ace without as contacted ay and was	sidents. Ide use o d: M1 lan incidence d in perso specifical	f both White and Schonstedt n d mine fuze in grid 334; and M b. n and notified of finding. ly informed of the details of UX	netal dete 1400 fuze	ctors for in to 2.36-inc	trusive investig h rocket motor	gation. r in grid 335.	
ADDITT USA co Parsons Current UXO ite success Property J.Willett	Martin X IONAL INFORM Intinued intrusive is confirmed evaci USA sweep proc mms recovered too Sfully blown in play y owner C.Hill wa te phoned in toda	IATION: activities at cuation of re- cedure included day included ace without as contacted ay and was	sidents. Ide use o d: M1 lan incidence d in perso specifical	f both White and Schonstedt n d mine fuze in grid 334; and M b. n and notified of finding. ly informed of the details of UX	netal dete 1400 fuze	ctors for in to 2.36-inc	trusive investig h rocket motor	gation. r in grid 335.	
ADDITT USA co Parsons Current UXO ite success Property J.Willett	Martin X IONAL INFORM Intinued intrusive is confirmed evaci USA sweep proc mms recovered too Sfully blown in play y owner C.Hill wa te phoned in toda	IATION: activities at cuation of re- cedure included day included ace without as contacted ay and was	sidents. Ide use o d: M1 lan incidence d in perso specifical	f both White and Schonstedt n d mine fuze in grid 334; and M b. n and notified of finding. ly informed of the details of UX	netal dete 1400 fuze	ctors for in to 2.36-inc	trusive investig h rocket motor	gation. r in grid 335.	
ADDITT USA co Parsons Current UXO ite success Property J.Willett	Martin X IONAL INFORM Intinued intrusive is confirmed evaci USA sweep proc mms recovered too Sfully blown in play y owner C.Hill wa te phoned in toda	IATION: activities at cuation of re- cedure included day included ace without as contacted ay and was	sidents. Ide use o d: M1 lan incidence d in perso specifical	f both White and Schonstedt n d mine fuze in grid 334; and M b. n and notified of finding. ly informed of the details of UX	netal dete 1400 fuze	ctors for in to 2.36-inc	trusive investig h rocket motor	gation. r in grid 335.	
ADDITT USA co Parsons Current UXO ite success Property J.Willett	Martin X IONAL INFORM Intinued intrusive is confirmed evaci USA sweep proc mms recovered too Sfully blown in play y owner C.Hill wa te phoned in toda	IATION: activities at cuation of re- cedure included day included ace without as contacted ay and was	sidents. Ide use o d: M1 lan incidence d in perso specifical	f both White and Schonstedt n d mine fuze in grid 334; and M b. n and notified of finding. ly informed of the details of UX	netal dete 1400 fuze	ctors for in to 2.36-inc	trusive investig h rocket motor	gation. r in grid 335.	
ADDITT USA co Parsons Current UXO ite success Property J.Willett	Martin X IONAL INFORM Intinued intrusive is confirmed evaci USA sweep proc mms recovered too Sfully blown in play y owner C.Hill wa te phoned in toda	IATION: activities at cuation of re- cedure included day included ace without as contacted ay and was	sidents. Ide use o d: M1 lan incidence d in perso specifical	f both White and Schonstedt n d mine fuze in grid 334; and M b. n and notified of finding. ly informed of the details of UX	netal dete 1400 fuze	ctors for in to 2.36-inc	trusive investig h rocket motor	gation. r in grid 335.	
ADDITT USA co Parsons Current UXO ite success Property J.Willett	Martin X IONAL INFORM Intinued intrusive is confirmed evaci USA sweep proc mms recovered too Sfully blown in play y owner C.Hill wa te phoned in toda	IATION: activities at cuation of re- cedure included day included ace without as contacted ay and was	sidents. Ide use o d: M1 lan incidence d in perso specifical	f both White and Schonstedt n d mine fuze in grid 334; and M b. n and notified of finding. ly informed of the details of UX	netal dete 1400 fuze	ctors for in to 2.36-inc	trusive investig h rocket motor	gation. r in grid 335.	
ADDITT USA co Parsons Current UXO ite success Property J.Willett	Martin X IONAL INFORM Intinued intrusive is confirmed evaci USA sweep proc mms recovered too Sfully blown in play y owner C.Hill wa te phoned in toda	IATION: activities at cuation of re- cedure included day included ace without as contacted ay and was	sidents. Ide use o d: M1 lan incidence d in perso specifical	f both White and Schonstedt n d mine fuze in grid 334; and M b. n and notified of finding. ly informed of the details of UX	netal dete 1400 fuze	ctors for in to 2.36-inc	trusive investig h rocket motor	gation. r in grid 335.	
ADDITT USA co Parsons Current UXO ite success Property J.Willett	Martin X IONAL INFORM Intinued intrusive is confirmed evaci USA sweep proc mms recovered too Sfully blown in play y owner C.Hill wa te phoned in toda	IATION: activities at cuation of re- cedure included day included ace without as contacted ay and was	sidents. Ide use o d: M1 lan incidence d in perso specifical	f both White and Schonstedt n d mine fuze in grid 334; and M b. n and notified of finding. ly informed of the details of UX	netal dete 1400 fuze	ctors for in to 2.36-inc	trusive investig h rocket motor	gation. r in grid 335.	
ADDITT USA co Parsons Current UXO ite success Property J.Willett	Martin X IONAL INFORM Intinued intrusive is confirmed evaci USA sweep proc mms recovered too Sfully blown in play y owner C.Hill wa te phoned in toda	IATION: activities at cuation of re- cedure included day included ace without as contacted ay and was	sidents. Ide use o d: M1 lan incidence d in perso specifical	f both White and Schonstedt n d mine fuze in grid 334; and M b. n and notified of finding. ly informed of the details of UX	netal dete 1400 fuze	ctors for in to 2.36-inc	trusive investig h rocket motor	gation. r in grid 335.	
ADDITI USA co Parsons Current UXO ite success Property J.Willett	Martin X IONAL INFORM Intinued intrusive s confirmed evaci USA sweep proc mms recovered too sfully blown in pla y owner C.Hill wa te phoned in toda m recovered from	IATION: activities at uation of re- cedure include ace without as contacted ay and was in m today incl	sidents. ide use o di :M1 land incidence d in perso specifical uded 60r	f both White and Schonstedt n d mine fuze in grid 334; and M s. n and notified of finding. ly informed of the details of UX nm tail assembly in grid 369.	CO finding	ctors for in to 2.36-inc s made or	trusive investig h rocket motor	gation. r in grid 335.	
ADDITI USA co Parsons Current UXO ite success Property J.Willett OES ite	Martin X IONAL INFORM Intinued intrusive is confirmed evaci USA sweep proc ems recovered too fully blown in pla te phoned in toda en recovered from FILES SCHEDUL	IATION: activities at uation of re- cedure inclu- day include- ace without as contacted ay and was in n today incl	sidents. ide use o di :M1 land incidence d in perso specifical uded 60r	f both White and Schonstedt n d mine fuze in grid 334; and M s. n and notified of finding. ly informed of the details of UX nm tail assembly in grid 369.	CO finding	ctors for in to 2.36-inc s made or	trusive investig h rocket motor	gation. r in grid 335.	
ADDITI USA co Parsons Current UXO ite success Property J.Willett OES ite	Martin X IONAL INFORM Intinued intrusive s confirmed evaci USA sweep proc mms recovered too sfully blown in pla y owner C.Hill wa te phoned in toda m recovered from	IATION: activities at uation of re- cedure inclu- day include- ace without as contacted ay and was in n today incl	sidents. ide use o di :M1 land incidence d in perso specifical uded 60r	f both White and Schonstedt n d mine fuze in grid 334; and M s. n and notified of finding. ly informed of the details of UX nm tail assembly in grid 369.	CO finding	ctors for in to 2.36-inc s made or	trusive investig h rocket motor	gation. r in grid 335.	
ADDITI USA co Parsons Current UXO ite success success success auccess	Martin X IONAL INFORM Intinued intrusive is confirmed evaci USA sweep proc ems recovered too fully blown in pla te phoned in toda en recovered from FILES SCHEDUL	IATION: activities at uation of re- cedure include- ace without as as contacted as	sidents. ide use o di. M1 lane incidence d in perso specifical uded 60r EXT WO	f both White and Schonstedt n d mine fuze in grid 334; and M s. n and notified of finding. ly informed of the details of UX nm tail assembly in grid 369.	CO finding	ctors for in to 2.36-inc s made or	trusive investig h rocket motor	gation. r in grid 335.	
ADDITI USA co Parsons Current UXO ite success Property J.Willett OES ite	Martin X IONAL INFORM Intinued intrusive s confirmed evaci USA sweep proc ms recovered too fully blown in pla y owner C.Hill wa te phoned in toda m recovered from ITIES SCHEDUL c 0 to 6 inch cleara ST FOR PROJEG	IATION: activities at uation of re- cedure include- ace without as as contacted as	sidents. ide use o di. M1 lane incidence d in perso specifical uded 60r EXT WO	f both White and Schonstedt n d mine fuze in grid 334; and M s. n and notified of finding. ly informed of the details of UX nm tail assembly in grid 369.	CO finding	ctors for in to 2.36-inc s made or	trusive investig h rocket motor	gation. r in grid 335.	
ADDITI USA co Parsons Current UXO ite success success success auccess	Martin X IONAL INFORM Intinued intrusive s confirmed evaci USA sweep proc ms recovered too fully blown in pla y owner C.Hill wa te phoned in toda m recovered from ITIES SCHEDUL c 0 to 6 inch cleara ST FOR PROJEG	IATION: activities at uation of re- cedure include- ace without as as contacted as	sidents. ide use o di. M1 lane incidence d in perso specifical uded 60r EXT WO	f both White and Schonstedt n d mine fuze in grid 334; and M s. n and notified of finding. ly informed of the details of UX nm tail assembly in grid 369.	CO finding	ctors for in to 2.36-inc s made or	trusive investig h rocket motor	gation. r in grid 335.	
ADDITI USA co Parsons Current UXO ite success Property J.Willett OES ite	Martin X IONAL INFORM Intinued intrusive s confirmed evaci USA sweep proc ms recovered too fully blown in pla y owner C.Hill wa te phoned in toda m recovered from ITIES SCHEDUL c 0 to 6 inch cleara ST FOR PROJEG	IATION: activities at uation of re- cedure include- ace without as as contacted as	sidents. ide use o di. M1 lane incidence d in perso specifical uded 60r EXT WO	f both White and Schonstedt n d mine fuze in grid 334; and M s. n and notified of finding. ly informed of the details of UX nm tail assembly in grid 369.	CO finding	ctors for in to 2.36-inc s made or s made or	trusive investig	gation. r in grid 335.	
ADDITI USA co Parsons Current UXO ite success Property J.Willett OES ite	Martin X IONAL INFORM Intinued intrusive s confirmed evaci USA sweep proc ms recovered too fully blown in pla y owner C.Hill wa te phoned in toda m recovered from ITIES SCHEDUL c 0 to 6 inch cleara ST FOR PROJEG	ATION: IATION: activities at activities at a	sidents. ide use o di. M1 lane incidence d in perso specifical uded 60r EXT WO	f both White and Schonstedt m f d mine fuze in grid 334; and M a. In and notified of finding. Iy informed of the details of UX nm tail assembly in grid 369.	CO finding	ctors for in to 2.36-inc s made or	Itrusive investig th rocket motor his property N	gation. r in grid 335.	
ADDITI USA co Parsons Current UXO ite success Propert J.Willett OES ite Continue ACTIVI Continue REQUE	Martin X IONAL INFORM Intinued intrusive is confirmed evaci USA sweep proc ems recovered tot fully blown in pla y owner C.Hill wa te phoned in toda m recovered from ITTES SCHEDUL c 0 to 6 inch clearat ST FOR PROJEC RS:	ATION: IATION: activities at activities at a	sidents. Ide use o di. M1 lam incidence j in perss specifical uded 60r EXT WO NNone.	f both White and Schonstedt m d mine fuze in grid 334; and M a. In and notified of finding. Iy informed of the details of UX nm tail assembly in grid 369.	CO finding	ctors for in to 2.36-inc s made or s made or ooks.	Itrusive investig th rocket motor his property N	jation. - in grid 335. Aon (1/20).	Items

):						DATE/DAY: 1/23/2003 REPORT NO: 42				
	742752 Task .100	00 (intrusive f	ield work a	nd support)	- REI	SHEET:				
N:	Stem, NC - Granv	ille County			-		USAESCH, Ro		M)	
ROGRES	SS OR COMPLET	ED:				Weather:	Snow flurries, 2	20 F		
1. Lano	d S <u>urvey</u>									
	Perimeter Boun			yors perimeter survey completed.	Staked eve	ry 100' and	blue flagged			
0	Grid Network S					ing roo and	bido ilaggod.			
		Land Survey	or has co	mpleted grid network installation.			ACREAGE To	tals >>>>	26	
2 Brue	h Removal									
2. Brus	Brush Removed	l (18 acres)					ACREAGE To	tals >>>>	18.86	
			s have co	npleted clearance of brush.						
3. Clea	trance Action / Intr Lakeview Subdi			fer (26 acres/ Mag/Dig acres)			ACREAGE To	tals >>>>	21.98	
	Days Intrusive									
	Anomalies were	e flagged but	not intrus	ively investigated due to evacuation	on issues.					
		T	ADCON	WORKEODCE			r	FOLI	DMENT	
		1	AKSON	S WORKFORCE			On-site		PMENT SED	
John Ke	ertesz - Site Manage	er. Cell Phor	ne: 919-6	90-5828			No		-	
-				X: 919-620-9043.						
Kerry S	ingler - UXO QC/S			Cell Phone: 919-690-5427 EPRESENTATIVE			Yes	-		
L		03.	LOCH K	LI REDENTATIVE				1		
James V	Walker - USACE Sa	fety Cell Ph	one: 256-	656-2407			Yes			
			SIDC	ONTRACTOR				I		
				RK FORCE						
	urveyor Subcontra	actor -Newc		d Surveyors				EQUIPMENT		
Person	nel:		On-site			On-site				
Land Su	urvey Activities Cor	mpleted								
	Removal Subcontr	actor - A-1		Ĩ						
Person	nel:		On-site			On-site				
Brush C	Cutting Activities Co	ompleted								
	DE Removal Subco			1	UVO N.	0				
Person Robert 1	nei: Davison	UXO No. 246	Yes	Norbert McNally	UXO No 392	On-site Yes	1			
Richard	Funk	159	Yes	James Paksi	1003	Yes	Schonstedt ar	nd White's		
	Shauger Edwards	278 655	Yes Yes	Brian Papenthien Phillip Ratcliff	551 1058	Yes Yes				
James H		1001	Yes	James Royalty	981	Yes				
	Lee Hong	407	Yes	Al Smith	350	Yes				
Lowell	X	803 Morning H	Yes & S Mee	Charlie Richardson ting Briefing.	160	Yes Conversion	ns: 100x100 gri	d = .23 acres.		
	<u> </u>			0 0						
	IONAL INFORM		day duo	to illness. Therefore evacuation	ne did na	t occur to	hav			
				tivities, which did not require ev				n Site. Due to	bad	
	er, USA discontinu			noon. one dig team today. Next Mon		A will have	only one dig to	om on oito		
				ut status of his property; he was					ally cleared	
			Ű	1 1 2				, ,		
				All other site details recorded in	field logh	ooks.				
	TTIES SCHEDUL		EXT WO							
Continu	e 0 to 6 inch cleara	nce.								
REQUI	EST FOR PROJE	CT ACTION	None.							
VISITO	DRS:									
				_		Kerry Sing	gler			
	NTS REPORTED TODA	AY:	0			Steve Czel				
ACCIDE	NTS TO DATE:		0	<u>-</u>		PARSONS	5 I&T REPRESI	EINTATIVE(S)		

						ATE/DAY:			
					RE	PORT NO:			
N.	742752 Task .1000 Stem, NC - Granvi		eld work and	d support)	_	SHEET:	1 of 1 USAESCH, Rola	and Dalary (D	MD.
N:	Stem, NC - Granvi	ille County			_		Cloudy, 40 F	and Belew (Pl	N1)
ROGRESS	OR COMPLETE	ED:				··· cutifer i	cloudy, lo I		
1. Land S									
	Perimeter Boun								
0				ors perimeter survey completed. S	staked every	100° and bl	ue flagged.		
0	Grid Network S			npleted grid network installation.			ACREAGE Tota	de >>>>	26
		Land Survey	or mas com	ipieted grid network installation.			ACKEAGE IOU	us	20
2. Brush	Removal								
0	Brush Removed	l (18 acres)					ACREAGE Tota	uls >>>>	18.86
	<u> </u>	Brush cutters	have com	pleted clearance of brush.					
				•					
3. Cleara	nce Action / Intr		8						
1.84	Lakeview Subdi			er (26 acres/ Mag/Dig acres)			ACREAGE Tota	uls >>>>	23.82
	<b>Days Intrusive</b>								
	Grids 306, 335,	337, 341, 341	S, 342, 37	77, 378, 379, 404S, and 410 were	intrusively i	nvestigated.			
		г	ADCONC	WORKEODOE				FOU	IDMENT
		ŀ	ARSONS	SWORKFORCE			On site	-	IPMENT JSED
John Kort	acz Sita Managa	r Coll Phone	. 010 600	5828			On-site	U	JSED
John Kelu	esz - Site Manager Site Trailer Phor						No		
Kerry Sin				ell Phone: 919-690-5427			Yes		
	5 5.10 Qo/50			EPRESENTATIVE					
1		00							
James Wa	ilker - USACE Sat	fety Cell Pho	ne: 256-6	56-2407			Yes		
				ONTRACTOR					
				RK FORCE					
	veyor Subcontra	ctor -Newco		Surveyors		0	1	EQUIPMENT	[
Personne	1:		On-site			On-site			
Land Sura	vey Activities Con	nnleted							
	moval Subcontra		rounds						
Personne			On-site			On-site			
	tting Activities Co								
	Removal Subcor								
Personne		UXO No.	On-site		UXO No.	On-site			
Robert Da		246 1003	Yes Yes	Norbert McNally	392	Yes	Schonstedt and	1 White's	
		981	Yes				ochonsteut and	a write 3	
James Pak					_				
James Pak James Roy George Ed		655	Yes						
James Roy	dwards	655 1001	Yes Yes						
James Roy George Ec James Hur Joseph Le	dwards nt e Hong	1001 407							
James Roy George Ec James Hu	dwards nt e Hong	1001 407 803	Yes Yes Yes	ting Briefing.		Conversion	<b>as</b> : 100x100 grid	= .23 acres	
James Roy George Ed James Huu Joseph Le Lowell Ma USA con Parsons Current U USA pres QC was o QA was o	dwards nt e Hong artin X DNAL INFORM. tinued intrusive a confirmed evacu JSA sweep proc sently staffed wit conducted by the conducted by the	1001 407 803 Morning H ATION: activities at L action of resi edure includ th single dig e Parsons U e USAESCH	Yes Yes Xes & S Meet <u>akeview</u> dents. le use of team. XO QC s Safety/C	Subdivision Site. Butner Public both White and Schonstedt me pecialist (K.Singler).	tal detecto	is staffed 2	road guards to sive investigation	secure road	access.
James Roy George Ed James Huu Joseph Le Lowell Ma USA con Parsons Current U USA pres QC was o QA was o	dwards nt e Hong artin X DNAL INFORM. tinued intrusive a confirmed evacu JSA sweep proc sently staffed wit conducted by the conducted by the	1001 407 803 Morning H ATION: activities at L action of resi edure includ th single dig e Parsons U e USAESCH	Yes Yes Xes & S Meet <u>akeview</u> dents. le use of team. XO QC s Safety/C	Subdivision Site. Butner Public both White and Schonstedt me pecialist (K.Singler). QA (J.Walker).	tal detecto	is staffed 2	road guards to sive investigation	secure road	access.
James Roy George Ed James Huu Joseph Le Lowell Ma USA con Parsons Current U USA pres QC was o QA was o	dwards nt e Hong artin X DNAL INFORM. tinued intrusive a confirmed evacu JSA sweep proc sently staffed wit conducted by the conducted by the	1001 407 803 Morning H ATION: activities at L action of resi edure includ th single dig e Parsons U e USAESCH	Yes Yes Xes & S Meet <u>akeview</u> dents. le use of team. XO QC s Safety/C	Subdivision Site. Butner Public both White and Schonstedt me pecialist (K.Singler). QA (J.Walker).	tal detecto	is staffed 2	road guards to sive investigation	secure road	access.
James Roy George Ed James Huu Joseph Le Lowell Ma USA con Parsons Current U USA pres QC was o QA was o	dwards nt e Hong artin X DNAL INFORM. tinued intrusive a confirmed evacu JSA sweep proc sently staffed wit conducted by the conducted by the	1001 407 803 Morning H ATION: activities at L action of resi edure includ th single dig e Parsons U e USAESCH	Yes Yes Xes & S Meet <u>akeview</u> dents. le use of team. XO QC s Safety/C	Subdivision Site. Butner Public both White and Schonstedt me pecialist (K.Singler). QA (J.Walker).	tal detecto	is staffed 2	road guards to sive investigation	secure road	access.
James Roy George Ec James Hut Joseph Le Lowell M USA con Parsons Current L USA pres QC was ( QA was ( Grids 332)	dwards nt e Hong artin X DNAL INFORM. tinued intrusive a confirmed evacu JSA sweep proc sently staffed wit conducted by the conducted by the	1001 407 803 Morning H ATION: activities at L activities at L	Yes Yes Yes & S Meet dents_ le use of team. XO QC S Safety/C	Subdivision Site. Butner Public both White and Schonstedt me pecialist (K.Singler). JA (J.Walker). 379, 404S, and 410 passed go	tal detecto	is staffed 2 rs for intrus QA check.	road guards to sive investigation	secure road	access.
James Rot George Ec James Hur Joseph Le Lowell M USA con Parsons Current U USA pres QC was o QC was o QC was o Grids 332 ———————————————————————————————————		1001 407 803 Morning H ATION: activities at L activities at L	Yes Yes Yes & S Meet dents_ le use of I team. XO QC S Safety/C 77, 378,	Subdivision Site. Butner Public both White and Schonstedt me pecialist (K.Singler). JA (J.Walker). 379, 404S, and 410 passed go	tal detecto	is staffed 2 rs for intrus QA check.	road guards to sive investigation	secure road	access.
James Ro George Ec James Hur Joseph Le Lowell M USA con Parsons Current U USA pres QC was o QC was o QC was o Grids 332 ———————————————————————————————————	dwards nt e Hong artin X DNAL INFORM tinued intrusive a confirmed evacu JSA sweep proc sently staffed wit conducted by the conducted by the 2, 333, 366, 367	1001 407 803 Morning H ATION: activities at L activities at L	Yes Yes Yes & S Meet dents_ le use of I team. XO QC S Safety/C 77, 378,	Subdivision Site. Butner Public both White and Schonstedt me pecialist (K.Singler). JA (J.Walker). 379, 404S, and 410 passed go	tal detecto	is staffed 2 rs for intrus QA check.	road guards to sive investigation	secure road	
James Rot George Ec James Hut Joseph Le Lowell M USA con Parsons Current U USA pres QC was ( QA was ( QA was ( QA was ( QA was ( QA was ( A was ( A Criticial)))	dwards nt e Hong artin X DNAL INFORM. tinued intrusive a confirmed evacu. JSA sweep proc sently staffed wit conducted by the conducted by the 2, 333, 366, 367. TIES SCHEDULI 0 to 6 inch clearan ST FOR PROJEC	1001 407 803 Morning H ATION: activities at L activities at L	Yes Yes Yes & S Meet dents_ le use of I team. XO QC S Safety/C 77, 378,	Subdivision Site. Butner Public both White and Schonstedt me pecialist (K.Singler). JA (J.Walker). 379, 404S, and 410 passed go	tal detecto	is staffed 2 rs for intrus QA check.	road guards to sive investigation	secure road	access.
James Roy George Ec James Hut Joseph Le Lowell M USA con Parsons Current L USA pres QC was ( QA was ( Grids 332	dwards nt e Hong artin X DNAL INFORM. tinued intrusive a confirmed evacu. JSA sweep proc sently staffed wit conducted by the conducted by the 2, 333, 366, 367. TIES SCHEDULI 0 to 6 inch clearan ST FOR PROJEC	1001 407 803 Morning H ATION: activities at L activities at L	Yes Yes Yes & S Meet dents_ le use of I team. XO QC S Safety/C 77, 378,	Subdivision Site. Butner Public both White and Schonstedt me pecialist (K.Singler). JA (J.Walker). 379, 404S, and 410 passed go	tal detecto	oks.	road guards to	secure road	access.
James Roj George Ec James Hut Joseph Le Lowell M USA con Parsons Current U USA pres QC was ( QA was c Grids 332 Activiti Continue ( REQUES	dwards nt e Hong artin X DNAL INFORM tinued intrusive a confirmed evacu JSA sweep proc sently staffed wit conducted by the conducted by the conducted by the files SCHEDULI files SCHEDULI 0 to 6 inch clearan ST FOR PROJEC RS:	1001 407 803 Morning H ATION: activities at L activities at L	Yes Yes Yes & S Meet dents_ le use of I team. XO QC S Safety/C 377, 378, 377, 378, XT WOR	Subdivision Site. Butner Public both White and Schonstedt me pecialist (K.Singler). JA (J.Walker). 379, 404S, and 410 passed go 379, 404S, and 410 passed go All other site details recorded in IK DAY:	tal detecto	as staffed 2 rs for intrus QA check.	road guards to sive investigatio	secure road	access.
ADDITIC James Roy George Ec James Hut Joseph Le Lowell M USA con Parsons Current L USA pres QC was ( QA was ( Grids 332 Current L USA pres QC was ( Grids 332 Current L Current L Curent L Current L Current L Current L Current L Current L	dwards nt e Hong artin X DNAL INFORM. tinued intrusive a confirmed evacu. JSA sweep proc sently staffed wit conducted by the conducted by the 2, 333, 366, 367. TIES SCHEDULI 0 to 6 inch clearan ST FOR PROJEC	1001 407 803 Morning H ATION: activities at L activities at L	Yes Yes Yes & S Meet dents_ le use of I team. XO QC S Safety/C 77, 378,	Subdivision Site. Butner Public both White and Schonstedt me pecialist (K.Singler). 2A (J.Walker). 379, 404S, and 410 passed go 379, 404S, and 410 passed go <i>All other site details recorded in</i> K DAY:	tal detecto	IS Staffed 2 IS for intrus QA check. OKS. Kerry Sing Steve Czek	road guards to sive investigatio	secure road	

):						ATE/DAY: PORT NO:	44		
N:	742752 Task .100 Stem, NC - Grany		eld work an	d support)		SHEET:	1 of 1 USAESCH, Rol	and Below (P	40
••	<u>Stelli, NC - Orally</u>	vine County					Cloudy, 45 F	and Belew (F	v1)
	S OR COMPLET	ED:							
1. Land	Survey								
	Perimeter Bou			ors perimeter survey complete	d Staked even	( 100' and bli	le flagged		
0	Grid Network S			ors perimeter survey complete	a. Staked every		de llagged.		
Ů	Grid Fieldorit		,	pleted grid network installation	າ.		ACREAGE Tot	als >>>>	26
2. Brusl	n Removal								
0	Brush Remove	ed (18 acres)					ACREAGE Tot	als >>>>	18.86
		Brush cutter	s have con	pleted clearance of brush.					
2 (1		· · · · · ·							
3. Clea	rance Action / Int		0	r (26 acres/ Mag/Dig acre	a)		ACREAGE Tot		24.82
1	Days Intrusive		0 00	r (20 ucres/Mug/Dig ucre	9		ACKEAGE IO		24.02
				24 were intrusively investigat	ed				
	011d3 507 W, 54	+5, 5++, 5+5, .	547, and 42	24 were mutasively investigat	.u.				
		I	PARSONS	WORKFORCE				EQU	PMENT
							On-site		SED
John Ke	rtesz - Site Manage						No		
				K: 919-620-9043.					
Kerry Si	ngler - UXO QC/S			ell Phone: 919-690-5427			Yes	4	
1		US	AESCH R	EPRESENTATIVE				-	
1 11	URACE O	C C II DI	256.6	5 C D 107			37		
James W	/alker - USACE Sa	alety Cell Pho	one: 256-6	00-2407			Yes	1	
<u> </u>			SUBCC	ONTRACTOR				1	
				RK FORCE					
	urveyor Subcontra	actor -Newco		Surveyors				EQUIPMENT	
Person	iel:		On-site			On-site			
Landfor	rvey Activities Cor								
	Removal Subcontr		Frounds						
Person		actor - 11-1 C	On-site			On-site			
Brush C	utting Activities Co	ompleted							
	E Removal Subco								
Person		UXO No.	On-site		UXO No.				
Robert I James P		246 1003	Yes Yes	Norbert McNally	392	Yes	Schonstedt an	d White's	
James R		981	Yes				Controllete an	a mileo	
	Edwards	655	Yes						
James H		1001	Yes						
	ee Hong	407	Yes						
Lowell 1	X	803 Morning H	Yes & S Moot	ting Briefing.		Conversion	<i>is</i> : 100x100 grid	= 23 acres	
	Λ	worning ri	a s mee	ing briening.		Conversion	3 . 100x100 grid	125 acres	
ADDIT	IONAL INFORM	IATION:							
			Lakeview	Subdivision Site. Butner P	ublic Safety ha	as staffed 2	road guards to	secure road	access.
	s confirmed evac								
				both White and Schonsted	t metal detecto	rs for intrus	sive investigation	on.	
	s conducted by th			pecialist (K.Singler).					
				5, 337, 341S, 341, 342, 34	3, 344, 345, 34	9, 350, 424	4, and 429 pass	sed governm	ent QA
check.									
				All other site details recorde	ed in field logbo	oks.			
	ITIES SCHEDUL		XT WOR						
	e 0 to 6 inch cleara								
DEOUT	ST FOR BROT	OT ACTION	. N						
REQUE	EST FOR PROJE	UI ACTION	:None.						
MOLTO									
VISITO	RS:								
VISITO	RS:								
				-		Kerry Sing			
ACCIDEN	TS REPORTED TOD	AY:	0			Steve Czek	alski		
ACCIDEN		AY:	0			Steve Czek		NTATIVE(S)	

0:						ATE/DAY:			
	742752 Task .10	000 (intrusive	field work	and support)	REI	PORT NO: SHEET:	-		
N:	Stem, NC - Gran			and employed	_	CLIENT:	USAESCH, Ro		'M)
DOCDE						Weather:	Cloudy w/ light	t rain, 50 F	
	S OR COMPLET I Survey	ED:							
	Perimeter Boun	ndary Survey	,						
		Newcomb L	and Surve	eyors perimeter survey complete	d. Staked	every 100' a	and blue flagged	l.	
0	Grid Network S								
		Land Surve	yor has co	mpleted grid network installation	٦.		ACREAGE To	tals >>>>	26
2. Brus	h Removal								
0	Brush Removed	d (18 acres)					ACREAGE To	tals >>>>	18.86
		· · ·	rs have co	mpleted clearance of brush.					
	rance Action / Int								25.29
0.46	_						ACREAGE To	tais >>>>	25.28
	Days Intrusive Grids 346 and 3								
	Ondo 5 to und 5	oo were ma	usivery in	restigated.					
		I	PARSONS	WORKFORCE				EQUI	PMENT
							On-site	U	SED
John Ke	rtesz - Site Manag						No		
Kerry S				X: 919-620-9043. Cell Phone: 919-690-5427			Yes		
accity 5				EPRESENTATIVE			105		
								1	
James V	Valker - USACE Sa	afety Cell Pl	none: 256-	656-2407			Yes		
			or more	NTDACTOP					
				ONTRACTOR RK FORCE					
Land S	urveyor Subcontr	actor -Newc						EQUIPMENT	•
Person			On-site			On-site			
Land Se	A stinition Co								
	rvey Activities Co Removal Subcontr		Grounds						
Person			On-site			On-site			
	utting Activities C								
UXO/O Personi	E Removal Subco	UXO No.	SA On-site		UXO No.	On-site			
	Davison	246	Yes	Norbert McNally	392	Yes			
James P		1003	Yes				Schonstedt ar	nd White's	
James R		981	Yes						
James F	Edwards lunt	655 1001	Yes Yes						
	Lee Hong	407	Yes						
Lowell	Martin	803	Yes						
	X	Morning H	& S Mee	ting Briefing.		Conversion	<i>ns</i> : 100x100 gri	d = .23 acres.	
Parson Curren UXO itt garade QC wa QA wa: Grids 3 J.Bade EE/CA Parson and R.1 Manag	s confirmed evac USA sweep pro- em recovered tod. D.Cash notified s conducted by th conducted by th 46, 347, 348, 356 n along with Wilm findings throughout s disbursed paym /os. Parsons als	uation of recedure incluing a second	sidents. ide use o 36-inch n Item was UXO QC H Safety, 431, and rict and S al comper displacer	432 passed government QA AD representatives visited site insation to the following resident ment compensation check on All other site details recorded it	metal dete id 358 at ti ut incident check. e today. V nts displac behalf of ti	risitors for in he surface	trusive investig approximately ifed on current evacuation: D.	jation. 30 feet east field activitie Cash, L.Dani	of Cash's s, as well as iels, S.Riley,
			Nora						
	EST FOR PROJE			man Tim Dillion P. N. S.					
VISITO	JKS:	John Baden	, Jan Brod	man, Tim Billing, Jim Pace, Day	vid Lown				
				_		Kerry Sing			
	NTS REPORTED TOD.	AY:	0			Steve Czek	alski I&T REPRESI	NTATIVE (C	)
ACCIDE	NTS TO DATE:		0	-		I ARSUNS	ice i KErKESI	STATIVE(S	,

D:						ATE/DAY:					
	742752 Teek 100	00 (intrusius fic	ld work on	d support)	RE	PORT NO:					
N:	742752 Task .100 Stem, NC - Granv		eid work an	a support)	_	SHEET: <u>1 of 1</u> CLIENT: USAESCH, Roland Belew (PM)					
					_	Weather: Rain, 45 F					
	OR COMPLETI	ED:									
1. Land S	urvey Perimeter Boun	dam. Como									
	Гетітегег Бойл		ind Survey	ors perimeter survey completed.	Staked even	( 100' and bl	ue flagged				
0	Grid Network S										
			,	npleted grid network installation.			ACREAGE Tot	als >>>>	26		
2. Brush R											
0	Brush Removed	· · · · ·					ACREAGE Tot	als >>>>	18.86		
		Brush cutters	s have con	npleted clearance of brush.							
3. Clearai	nce Action / Intr	usive Investi	gation								
0.6	Lakeview Subd	ivision and 10	00 ft buffe	er (26 acres/ Mag/Dig acres)			ACREAGE Tot	als >>>>	25.42		
	<b>Days Intrusive</b>	Investigation	ı Details:								
	Grids 317W, 34	7, 354, 355, 3	56, and 3	57 were intrusively investigated.							
r			A DOON	WORKFORGE			1	FOU			
		1	AKSONS	SWORKFORCE			On-site		IPMENT JSED		
John Kerte	sz - Site Manage	r. Cell Phone	: 919-690	)-5828			No		JUD .		
				X: 919-620-9043.				1			
Kerry Sing				ell Phone: 919-690-5427			Yes				
		US.	AESCH R	EPRESENTATIVE				4			
<u> </u>								4			
James Wal	ker - USACE Sa	fety Cell Pho	ne: 256-6	56-2407			Yes				
			SURCO	ONTRACTOR			1	I			
				RK FORCE							
	veyor Subcontra	ctor -Newco		Surveyors		_		EQUIPMENT	[		
Personnel	:		On-site			On-site					
Land Surve	ey Activities Cor	nnleted									
	noval Subcontra		rounds				1				
Personnel			On-site			On-site					
D 1.0 //		11									
	ing Activities Co	1	A								
Personnel:	Removal Subcon	UXO No.	A On-site		UXO No.	On-site					
Robert Day		246	Yes	Norbert McNally	392	Yes					
James Paks		1003	Yes				Schonstedt an	d White's			
James Roy George Ed		981 655	Yes Yes								
James Hun		1001	Yes				1				
Joseph Lee		407	Yes								
Lowell Ma		803	Yes			Ļ.,	100 100				
	X	Morning H	& S Mee	ting Briefing.		Conversion	ns : 100x100 grid	1 = .23 acres			
USA conti Parsons c Current U QC was c QA was c	confirmed evacu SA sweep proco onducted by the onducted by the	activities at I uation of resi edure includ e Parsons U e USAESCH	dents. le use of XO QC s Safety/C	Subdivision Site. Butner Pub both White and Schonstedt m pecialist (K.Singler). JA (J.Walker). government QA check.					access.		
, as well a residents	s the strips of la alternate maint	and on eithe enance of er	r side of htry way l	area at the entrance to the L Lakeview Dr. leading into the andscape, and he was inquir ffer definition referred back to	subdivision	(also outsion (also outsion (also outsion) (also outsic) (	de TCRA area) was not include	. He and the	other		
				All other site details recorded	in field logbo	oks.					
	IES SCHEDUL										
	to 6 inch clearar			fonday. BIP conducted on Cash	property yes	terday (Thu	rsday) delayed co	ompletion by o	one day.		
	- I ON I NOJEC										
VISITORS	S:										
						Kerry Sing	ler				
ACCIDENTS	REPORTED TODA	Y:	0			John Kerte					
ACCIDENTS	TO DATE:		0				I&T REPRESE	NTATIVE(S)			

):						ATE/DAY:			
	742752 Task .100	)00 (intrusive fu	eld work and	support)	RE	PORT NO: SHEET:			
N:	Stem, NC - Grany		ciù work and	(support)			USAESCH, Rol	land Belew (I	PM)
						Weather:	Suuny, 65 F		
	OR COMPLET	ED:							
1. Land	Perimeter Bou	ndary Survey							
	Termiter Dom			ors perimeter survey compl	eted. Staked every	100' and blu	ue flagged.		
0	Grid Network S	Survey (26 act	res)						
		Land Survey	or has com	pleted grid network installa	tion.		ACREAGE Tot	als >>>>	26
1 Dunch	Removal								
2. Brush 0	Brush Remove	d (18 acres)					ACREAGE Tot	als >>>>	18.86
Ū	Diasit itemore		s have com	pleted clearance of brush.			including internet		10:00
				r					
	ance Action / Int		-						,
0.58	Lakeview Suba			r (26 acres/ Mag/Dig ac	rres)		ACREAGE Tot	als >>>>	26
	Days Intrusive			sively investigated.					
	Grids 398, 408,	, 409, and 418	were intru	sively investigated.					
		]	PARSONS	WORKFORCE				EQU	JIPMENT
							On-site	-	USED
John Ker	tesz - Site Manage						No		
Vanne D'				K: 919-620-9043.			Vac		
Kerry Sir	igiei - UXU QC/S		<i></i>	EPRESENTATIVE			Yes		
1		03	LISCIIK	LI ALQUITITITE				1	
James W	alker - USACE Sa	afety Cell Pho	one: 256-65	56-2407			Yes		
				NTRACTOR K FORCE					
Land Su	rveyor Subcontra	actor -Newco						EQUIPMEN	т
Personne			On-site			On-site		~~~~~	
T 1 -		1							
	vey Activities Con emoval Subcontr	1	Trounds						
Personn		actor - A-1 0	On-site			On-site			
	tting Activities C								
	E Removal Subco		SA On-site		UVO N-	On aita			
Personn Robert D		UXO No. 246	Yes	Norbert McNally	UXO No. 392	On-site Yes			
James Pa		1003	Yes	· · · · · · · · · · · · · · · · · · ·			Schonstedt an	d White's	
James Ro		981	Yes						
George E James Hu		655 1001	Yes Yes						
Joseph L		407	Yes						
Lowell N		803	Yes						
	X	Morning H	& S Meet	ing Briefing.		Conversion	<i>is</i> : 100x100 grid	1 = .23 acres	
	ONAL INFORM								
	s completed intru of intrusive.	usive activitie	es at Lake	view Subdivision Site. B	uther Public Safe	ery statted 2	2 road guards to	o secure roa	ad access for
	confirmed evac	uation of res	idents.						
All OE s	crap has been p	roperly inspe	ected by S	UXOS, USAESH Safety	//QA and Parson	s Safety, ar	nd sealed for tra	ansport to F	ACT for proper
				eb. 10 during DGM. ully conductedby USA ir	area designator				
				pecialist (K.Singler).	area designalet		•		
QA was	conducted by th	e USAESCH	I Safety/C	A (J.Walker).					
				nent QA check today an		ow been a	oproved.		
				pleted all intrusive tasks		a have to -	n complete d	ad no furth	r ovooustis
				n informed that TCRA c at geophysical mapping					
	ks (Beginning Fe		ull	at goophyoidal mapping			Subdition would	So oocurring	S LIC HOAL
Remaini	ng brush consol	idation piles	along the	site perimeter and acce	ss road will be re	moved by I	brush subcontra	actor the we	ek of Feb. 10.
				All other site details reco	rded in field loobo	oks.			
ACTIVI	TIES SCHEDUI	ED FOR NE	XT WOR						
	phase of TCRA c								
DEOUE	ST FOD BDOTE		Nona						
REQUE	ST FOR PROJE	UI ACTION	:None.						
VISITO	RS:								
ACCIDENT	IN DEDODTED TOP	A.V.				Kerry Sing			
	IS REPORTED TOD. IS TO DATE:	n1.	0			John Kertes PARSONS	SZ I&T REPRESE	NTATIVE(S	)
				•				(0	

JOB NO:	:	742752.7000 Task 7(DGM)	DATE/DAY: 2/10/2003	
			REPORT NO: 48	
	Stem, NC - Granville County         OGRESS OR COMPLETED:         1. Land Survey         Perimeter Boundary Survey         Newcomb Land Surveyors perimeter survey comple         0       Grid Network Survey (26 acres)		SHEET: 1 of 1	(73.6)
LOCATION	:	Stem, NC - Granville County	CLIENT: USAESCH, Roland Belew	(PM)
	ogness	OD COMPLETED	Weather: Light Rain, 50 F	
WORK IN PR				
	I. Land	· ·		
		Newcomb Land Surveyors perimeter survey completed. Staked	every 100' and blue flagged.	
	0	Grid Network Survey (26 acres)		
	-	Land Surveyor has completed grid network installation.	ACREAGE Totals >>>>>	26
	2. Brush	Removal		
	0	Brush Removed (18 acres)	ACREAGE Totals >>>>>	18.86
		Brush cutters have completed clearance of brush.		
	3. Clear:	nce Action / Intrusive Investigation		
	0	Lakeview Subdivision and 100 ft buffer (26 acres/Mag/Dig acres)	ACREAGE Totals >>>>>	26
		Days Intrusive Investigation Details:		
	4. Digita	l Geophysical Mapping (DGM)		
	0.46	Lakeview Subdivision and 100 ft buffer (26 acres/DGM acres)	ACREAGE Totals >>>>>	0.46
		Days DGM Details:		
		Grids 307and 308 were geophysically mapped		

	Р	ARSONS WORKF	ORCE				EQUIPMENT
						On-site	USED
Bart Hoekstra - Senior	Geophysicist					Yes	
Site Trailer	Phone: 919-620-88	32. FAX: 919-620	-9043.				
Geo Team 1:	On-site	Geo Tea	m 2:	On-site			
Courtney Bennett	Yes	Steve Cz	ekalski	Yes			
Eric Cheng	Yes	Matt		Yes			
	USA	AESCH REPRESE	NTATIVE		-		
Jon Durham - USACE	SCH Geophysical /	Technical Represe	ntative			Yes	
Land Surveyor Subco	ontractor -Newcom	WORK FORC				I	EQUIPMENT
Personnel:		On-site			On-site		
Land Survey Activities	Completed						
Brush Removal Subco	ontractor - A-1 Gr	ounds					
Personnel:		On-site			On-site		
Brush Cutting Activitie	es Completed						
UXO/OE Removal Su	bcontractor - USA						
Personnel:	UXO No.	On-site		UXO No.	On-site		
UXO / OE Removal A	ativitias Comlated	(0 to 6 inchos)					

ADDITIONAL INFORMATION: Parsons and USAESCH Geotechnical Representative on-site today. Parsons has conducted geophysical mapping of prove-out and daily QC tests to ensure that equipment (EM61) is functioning proprerly. DGM commenced at the Lakeview Subdivision.

All other site details rea	corded in field logbooks.
ACTIVITIES SCHEDULED FOR NEXT WORK DAY:	
DGM	
REQUEST FOR PROJECT ACTION: None.	
VISITORS:	
	Bart Hoekstra
ACCIDENTS REPORTED TODAY: 0	
ACCIDENTS TO DATE: 0	PARSONS I&T REPRESENTATIVE(S)

JOB NO:		742752.7000 Task 7(DGM)	DATE/DAY: 2/11/2003 REPORT NO: 49	
	ROGRESS OR COMPLETED:  1. Land Survey Perimeter Boundary Survey Original Survey (26 acres) Land Surveyor has completed gr 2. Brush Removal 0 Brush Removed (18 acres) Brush cutters have completed cle 3. Clearance Action / Intrusive Investigation		SHEET: 1 of 1	
LOCATION:	ON:       Stem, NC - Granville County         Image: Construction of the state of	CLIENT: USAESCH, Roland Belew (I	PM)	
WODE IN BD	OCDES	OD COMPLETED.	Weather: Sunny, 50 Deg, breezy	
WORKINTR				
	ii Eunu			
		Newcomb Land Surveyors perimeter survey completed. Stake	ed every 100' and blue flagged.	
	0	Grid Network Survey (26 acres)		
		Land Surveyor has completed grid network installation.	ACREAGE Totals >>>>	26
	2. Brush	Removal		
	0	Brush Removed (18 acres)	ACREAGE Totals >>>>	18.86
		Brush cutters have completed clearance of brush.		
	3. Clear	ance Action / Intrusive Investigation		
	0	Lakeview Subdivision and 100 ft buffer (26 acres/ Mag/Dig acres)	ACREAGE Totals >>>>	26
		Days Intrusive Investigation Details:		
	4. Digit	al Geophysical Mapping (DGM)		
	1.15	Lakeview Subdivision and 100 ft buffer (26 acres/DGM acres)	ACREAGE Totals >>>>	1.61
		Days DGM Details:		
		Grids 338, 388, 397, 398, 408 were geophysically mapped		

EQUIPMENT PARSONS WORKFORCE On-site USED Bart Hoekstra - Senior Geophysicist Yes Site Trailer Phone: 919-620-8832. FAX: 919-620-9043. 2 EM61's Geo Team A: On-site Geo Team B: On-site Yes Steve Czekalski Yes Courtney Bennett Matt Eric Cheng Yes Yes USAESCH REPRESENTATIVE Jon Durham - USACESCH Geophysical / Technical Representative Yes SUBCONTRACTOR WORK FORCE Land Surveyor Subcontractor -Newcomb Land Surveyors EQUIPMENT Personnel: On-site On-site Land Survey Activities Completed Brush Removal Subcontractor - A-1 Grounds Personnel: On-site On-site Brush Cutting Activities Completed UXO/OE Removal Subcontractor - USA UXO No. On-site JXO No Personnel: On-sit UXO / OE Removal Activities Comleted (0 to 6 inches) X Morning H & S Meeting Briefing. 00x100 grid = .23 acres. ions

ADDITIONAL INFORMATION: Parsons continued geophysical mapping of Lakeview. Daily equipment QC tests conducted. Static test location moved due to excessive noise.

	ite details recorded in field logbooks.
ACTIVITIES SCHEDULED FOR NEXT WORK DAY:	
<u>DGM</u>	
REQUEST FOR PROJECT ACTIONNone.	
VISITORS:	
	Bart Hoekstra
ACCIDENTS REPORTED TODAY: 0	
ACCIDENTS TO DATE: 0	PARSONS I&T REPRESENTATIVE(S)

0:	742752 Task .	7000 (DGM)				DATE/DAY EPORT NO:			
					K	SHEET			
N:	Stem, NC - Gr	ranville County					USAESCH, Ro		(PM)
PROGRES	SS OR COMPL	ETED:				Weather:	Sunny, 50 Deg.	, breezy	
	d Survey								
	Perimeter Ba	oundary Surve							
0	Crid Natura			ors perimeter survey con	pleted. Staked every	/ 100' and blue	e flagged.		
U	Gria Network	k Survey (26 a		pleted grid network insta	llation		ACREAGE To	tals >>>>	26
		Dana Barrey	or has com	pieteu griu network mou			incide it		20
2. Brus	h Removal								
0	Brush Remo	ved (18 acres)					ACREAGE To	tals >>>>	18.86
		Brush cutter	s have com	pleted clearance of brush					
3. Clea	rance Action / I	ntrusive Inve	stigation						
0		bdivision and	0	fer (26 acres/Mag/L	Dig acres)		ACREAGE To	tals >>>>	26
	Days Intrusi	ive Investigati	on Details	:					
4 Dia	ital Geophysical	Monning (D)	- MD						
2.07		bdivision and		fer (26 acres/ DGM	acres)		ACREAGE To	tals >>>>	3.68
L	Days DGM I		5 55		,			<b>L</b> _	
	Grids 300, 30	00W,301,302,3	03, 304, 30	05, 308W, 409, 418,41	9,425,426,427 were	e geophysical	ly mapped		
		_							
			PARSONS	5 WORKFORCE				FO	UIPMENT
			i / ittoorte	worker okce			On-site	LQ	USED
Bart Ho	ekstra - Senior C	Geophysicist					Yes		
	Site Trailer P	hone: 919-620	-8832. FA	X: 919-620-9043.					
Cas Ta	A -	On site		Cas Taam B.	On-sit	-		2	EM61's
Geo Te	y Bennett	On-site Yes		Geo Team B: Steve Czekalski	Yes	e		-	
Eric Ch		Yes		Matt Tyler	Yes				
		US	AESCH R	EPRESENTATIVE					
Ian Dur	ham USACES	CUCambusi	al/Tasha	ical Domession to time			Vaa		
Jon Dur	nam - USACES	CH Geophysic	al / Techn	ical Representative			Yes	-	
			SUBCO	ONTRACTOR					
				RK FORCE					
Land S Person	urveyor Subcon	itractor -New	On-site	d Surveyors		On-site		EQUIPME	NT
I CI SUII	ici.		on site			OII-Site			
	rvey Activities (								
Brush I Person	Removal Subcor	ntractor - A-1	Grounds On-site	1		On-site			
r er som	ici.		on site			OII-Site			
	Cutting Activities								
UXO/O Person	E Removal Sub			1	UVON	a On site			
rerson	lei:	UXO No.	Oll-Site		UXO N	o. On-site			
UXO /	OE Removal Ac	tivities Comle	ted (0 to 6	inches)					
	X	Morning I	I & S Mee	ting Briefing.		Conversio	ns: 100x100 gri	d = .23 acre	s.
ADDIT	JONAL DIFOR	MATION							
ADDIT	IONAL INFOR	MATION:							
Parson	s continued ge	ophysical ma	pping of L	akeview. Daily equi	pment QC tests c	onducted.			
				All other site details 1	acordad in Gald I-	abooks			
ACTIV	TTIES SCHED	ULED FOR N	EXT WO		ecoraea in jieia log	zooons.			
DGM		LULD FORM							
BEGE	107 505 55 -								
REQU	EST FOR PROJ	JECT ACTIO	NNone.						
REQUI		JECT ACTIO	NNone.						
		JECT ACTIO	NNone.						
VISITO	DRS:					Bart Hoek	stra		
VISITO			NNone.				stra S I&T REPRESH	ENTATIVE	(\$)

	742752 Task .07000 (DGM)         DATE/DAY: 2/13/2003           REPORT NO: 51         51								
					RE				
DN:	Stem, NC - Granville	le County				SHEET: CLIENT:	USAESCH, Ro	land Belew	(PM)
							Sunny, 50 Deg,		()
	S OR COMPLETE	D:							
1. Land	1 Survey Perimeter Bounda	C							
			d Surveyo	rs perimeter survey com	pleted Staked every	00' and blue	flagged		
0	Grid Network Sur			is permeter survey com	preteu: Stateu every	ioo una orac	nuggeu.		
I				leted grid network instal	llation.		ACREAGE To	als >>>>	26
	h Removal								
0	Brush Removed (1						ACREAGE Tot	als >>>>	18.86
	Br	rush cutters ha	ave comp	leted clearance of brush.					
3. Clear	rance Action / Intrus	sive Investig	gation						
0	Lakeview Subdivis			er (26 acres/ Mag/D	ig acres)		ACREAGE Tot	als >>>>	26
<b>R</b>	Days Intrusive In	vestigation	Details:						
			_						
	tal Geophysical Map						ACDE ACE T		6.95
2.07	Lakeview Subdivis		0 ft buffe	er (26 acres/ DGM a	icres)		ACREAGE Tot	als >>>>	5.75
	Days DGM Detail		15 325 31	16,337, and 326 were §	pophysically mapp	d			
	01105 400,407, 410	0,417,424,51	15,525,51	10,557, and 520 were g	geophysically mappe	u			
		PA	RSONS	WORKFORCE				EQU	JIPMENT
							On-site		USED
Bart Ho	ekstra - Senior Geophy						Yes		
	Site Trailer Phone:	: 919-620-88	832. FAX	X: 919-620-9043.					EN CH
Geo Tea	am A ·	On-site		Geo Team B:	On-site			2.	EM61's
	y Bennett	Yes		Steve Czekalski	Yes				
Eric Che		es		Matt Tyler	Yes				
				EPRESENTATIVE					
								]	
Jon Durl	ham - USACESCH G	Geophysical.	/ Technic	cal Representative			Yes		
			SUDCO	NTDACTOD					
				NTRACTOR K FORCE					
Land Su	urveyor Subcontract	tor -Newcon						EQUIPMEN	T
Personn			On-site	•		On-site			
	rvey Activities Comp					On-site			
Brush F	Removal Subcontract		On-site						
	Removal Subcontract		On-site						
Brush F Personn	Removal Subcontract	(	On-site						
Brush F Personn Brush C UXO/O	Removal Subcontract nel: utting Activities Com E Removal Subcontr	npleted ractor - USA	A						
Brush R Personn Brush C	Removal Subcontract nel: utting Activities Com E Removal Subcontr	npleted ractor - USA			UXO No	On-site			
Brush R Personn Brush C UXO/O Personn	Removal Subcontract nel: utting Activities Com E Removal Subcontr nel:	npleted ractor - USA UXO No.	A On-site	inches)	UXO No	On-site			
Brush R Personn Brush C UXO/O Personn	Removal Subcontract nel: utting Activities Com E Removal Subcontr nel: DE Removal Activitie	npleted ractor - USA UXO No.	A On-site		UXO No		us: 100x100 grid	1 = .23 acres	
Brush R Personn Brush C UXO/O Personn	Removal Subcontract nel: utting Activities Com E Removal Subcontr nel: DE Removal Activitie	npleted ractor - USA UXO No.	A On-site	inches) ing Briefing.	UXO No		ns: 100x100 grid	1 = .23 acres	
Brush R Personn Brush C UXO/O Personn UXO / C	Removal Subcontract tel: utting Activities Comp E Removal Subcontr nel: DE Removal Activitie X MIONAL INFORMAT	npleted ractor - USA UXO No. 4 es Comleted forning H & TION:	A On-site 1 (0 to 6 i & S Meet	ing Briefing.		Conversion	ns : 100x100 grid	1 = .23 acres	
Brush F Personn Brush C UXO/O Personn UXO/C ADDIT Parsons	Removal Subcontract el: utting Activities Com E Removal Subcontr tel: DE Removal Activitie MI DE Removal Activitie MI IONAL INFORMAT s continued geophys	npleted ractor - USA UXO No. 4 es Comleted forning H & TION: vsical mappi	A On-site I (0 to 6 i & S Meet	ing Briefing. akeview. Daily equip	oment QC tests co	Conversion	ns: 100x100 grid	1 = .23 acres	i.
Brush F Personn Brush C UXO/O Personn UXO/C ADDIT Parsons	Removal Subcontract el: utting Activities Com E Removal Subcontr tel: DE Removal Activitie MI DE Removal Activitie MI IONAL INFORMAT s continued geophys	npleted ractor - USA UXO No. 4 es Comleted forning H & TION: vsical mappi	A On-site I (0 to 6 i & S Meet	ing Briefing.	oment QC tests co	Conversion	ns : 100x100 grid	1 = .23 acres	
Brush F Personn Brush C UXO/O Personn UXO/C ADDIT Parsons	Removal Subcontract el: utting Activities Com E Removal Subcontr tel: DE Removal Activitie MI DE Removal Activitie MI IONAL INFORMAT s continued geophys	npleted ractor - USA UXO No. 4 es Comleted forning H & TION: vsical mappi	A On-site I (0 to 6 i & S Meet	ing Briefing. akeview. Daily equip	oment QC tests co	Conversion	rs : 100x100 grid	1 = .23 acres	
Brush F Personn Brush C UXO/O Personn UXO/C ADDIT Parsons	Removal Subcontract el: utting Activities Com E Removal Subcontr tel: DE Removal Activitie MI DE Removal Activitie MI IONAL INFORMAT s continued geophys	npleted ractor - USA UXO No. 4 es Comleted forning H & TION: vsical mappi	A On-site I (0 to 6 i & S Meet	ing Briefing. akeview. Daily equip	oment QC tests co	Conversion	rs : 100x100 grid	1 = .23 acres	
Brush F Personn Brush C UXO/O Personn UXO/C ADDIT Parsons	Removal Subcontract el: utting Activities Com E Removal Subcontr tel: DE Removal Activitie MI DE Removal Activitie MI IONAL INFORMAT s continued geophys	npleted ractor - USA UXO No. 4 es Comleted forning H & TION: vsical mappi	A On-site I (0 to 6 i & S Meet	ing Briefing. akeview. Daily equip	oment QC tests co	Conversion	15: 100x100 grid	t = .23 acres	
Brush F Personn Brush C UXO/O Personn UXO/C ADDIT Parsons	Removal Subcontract el: utting Activities Com E Removal Subcontr tel: DE Removal Activitie MI DE Removal Activitie MI IONAL INFORMAT s continued geophys	npleted ractor - USA UXO No. 4 es Comleted forning H & TION: vsical mappi	A On-site I (0 to 6 i & S Meet	ing Briefing. akeview. Daily equip	oment QC tests co	Conversion	100x100 grid	1 = .23 acres	
Brush F Personn Brush C UXO/O Personn UXO/C ADDIT Parsons	Removal Subcontract el: utting Activities Com E Removal Subcontr tel: DE Removal Activitie MI DE Removal Activitie MI IONAL INFORMAT s continued geophys	npleted ractor - USA UXO No. 4 es Comleted forning H & TION: vsical mappi	A On-site I (0 to 6 i & S Meet	ing Briefing. akeview. Daily equip	oment QC tests co	Conversion	ns : 100x100 grid	1 = .23 acres	
Brush F Personn Brush C UXO/O Personn UXO/C ADDIT Parsons	Removal Subcontract el: utting Activities Com E Removal Subcontr tel: DE Removal Activitie MI DE Removal Activitie MI IONAL INFORMAT s continued geophys	npleted ractor - USA UXO No. 4 es Comleted forning H & TION: vsical mappi	A On-site I (0 to 6 i & S Meet	ing Briefing. akeview. Daily equip	oment QC tests co	Conversion	15: 100x100 grid	1 = .23 acres	
Brush F Personn Brush C UXO/O Personn UXO/C ADDIT Parsons	Removal Subcontract el: utting Activities Com E Removal Subcontr tel: DE Removal Activitie MI DE Removal Activitie MI IONAL INFORMAT s continued geophys	npleted ractor - USA UXO No. 4 es Comleted forning H & TION: vsical mappi	A On-site I (0 to 6 i & S Meet	ing Briefing. akeview. Daily equip	oment QC tests co	Conversion	15: 100x100 grid	1 = .23 acres	
Brush F Personn Brush C UXO/O Personn UXO/C ADDIT Parsons	Removal Subcontract el: utting Activities Com E Removal Subcontr tel: DE Removal Activitie MI DE Removal Activitie MI IONAL INFORMAT s continued geophys	npleted ractor - USA UXO No. 4 es Comleted forning H & TION: vsical mappi	A On-site I (0 to 6 i & S Meet	ing Briefing. akeview. Daily equip	oment QC tests co	Conversion	ns: 100x100 grid	1 = .23 acres	
Brush F Personn Brush C UXO/O Personn UXO/C ADDIT Parsons	Removal Subcontract el: utting Activities Com E Removal Subcontr tel: DE Removal Activitie MI DE Removal Activitie MI IONAL INFORMAT s continued geophys	npleted ractor - USA UXO No. 4 es Comleted forning H & TION: vsical mappi	A On-site I (0 to 6 i & S Meet	ing Briefing. akeview. Daily equip	oment QC tests co	Conversion	ns: 100x100 grid	1 = .23 acres	
Brush F Personn Brush C UXO/O Personn UXO/C ADDIT Parsons	Removal Subcontract el: utting Activities Com E Removal Subcontr tel: DE Removal Activitie MI DE Removal Activitie MI IONAL INFORMAT s continued geophys	npleted ractor - USA UXO No. 4 es Comleted forning H & TION: vsical mappi	A On-site I (0 to 6 i & S Meet	ing Briefing. akeview. Daily equip	oment QC tests co	Conversion	100x100 grid	1 = .23 acres	
Brush R Personn Brush C UXO/O Personn UXO / C ADDIT Parsons	Removal Subcontract rel: utting Activities Com E Removal Subcontr rel: DE Removal Activitie E Removal Activitie MIONAL INFORMAT s continued geophys	npleted ractor - USA UXO No. 4 es Comleted forning H & TION: vsical mappi	A On-site I (0 to 6 i & S Meet	ing Briefing. akeview. Daily equip	oment QC tests co	Conversion	100x100 grid	1 = .23 acres	
Brush F Personn Brush C UXO/O Personn UXO / C ADDITI Parsons BAX GI	Removal Subcontract el: utting Activities Com E Removal Subcontr tel: DE Removal Activitie DE Removal Activitie NOAL INFORMAT s continued geophys obal has picked up 1	es Comleted Iorning H & TION: Tion	A On-site I (0 to 6 i & S Meet bing of L2 her of OE	ing Briefing. akeview. Daily equip E scrap for delivery to Scrap for delivery to MI other site details r.	oment QC tests co o FACT.	Conversion	ns : 100x100 grid	1 = .23 acres	
ACTIV	Removal Subcontract rel: utting Activities Com E Removal Subcontr rel: DE Removal Activitie E Removal Activitie MIONAL INFORMAT s continued geophys	es Comleted Iorning H & TION: Tion	A On-site I (0 to 6 i & S Meet bing of L2 her of OE	ing Briefing. akeview. Daily equip E scrap for delivery to Scrap for delivery to MI other site details r.	oment QC tests co o FACT.	Conversion	15: 100x100 grid	1 = .23 acres	
Brush F Personn Brush C UXO/O Personn UXO / C ADDITI Parsons BAX GI	Removal Subcontract el: utting Activities Com E Removal Subcontr tel: DE Removal Activitie DE Removal Activitie NOAL INFORMAT s continued geophys obal has picked up 1	es Comleted Iorning H & TION: Tion	A On-site I (0 to 6 i & S Meet bing of L2 her of OE	ing Briefing. akeview. Daily equip E scrap for delivery to Scrap for delivery to MI other site details r.	oment QC tests co o FACT.	Conversion	ns : 100x100 grid	1 = .23 acres	
Brush F Personn Brush C UXO/O Personn UXO / C ADDITI Parsons BAX GI	Removal Subcontract rel: utting Activities Com E Removal Subcontr E Removal Subcontr IDE Removal Activitie DE Removal Activitie IDE Removal Activitie IDE Comparison IDE Removal Activitie IDE Removal	D FOR NEX	A On-site I (0 to 6 i & S Meet bing of L her of OF	ing Briefing. akeview. Daily equip E scrap for delivery to Scrap for delivery to MI other site details r.	oment QC tests co o FACT.	Conversion	ns: 100x100 grid	1 = .23 acres	
Brush F Personn Brush C UXO/O Personn UXO / C ADDITI Parsons BAX GI	Removal Subcontract el: utting Activities Com E Removal Subcontr tel: DE Removal Activitie DE Removal Activitie NOAL INFORMAT s continued geophys obal has picked up 1	D FOR NEX	A On-site I (0 to 6 i & S Meet bing of L her of OF	ing Briefing. akeview. Daily equip E scrap for delivery to Scrap for delivery to MI other site details r.	oment QC tests co o FACT.	Conversion	15: 100x100 grid	1 = .23 acres	
Brush F Personn Brush C UXO/O Personn UXO / C ADDITI Parsons BAX GI	Removal Subcontract tel: utting Activities Comp E Removal Subcontract Removal Subcontract I U E Removal Activitie I U E Removal Activitie I U I U I U I U I U I U I U I U I U I U	D FOR NEX	A On-site I (0 to 6 i & S Meet bing of L her of OF	ing Briefing. akeview. Daily equip E scrap for delivery to Scrap for delivery to MI other site details r.	oment QC tests co o FACT.	Conversion	ns: 100x100 grid	1 = .23 acres	
Brush F Personn Brush C UXO/O Personn UXO / C Parson BAX GI	Removal Subcontract tel: utting Activities Comp E Removal Subcontract Removal Subcontract I U E Removal Activitie I U E Removal Activitie I U I U I U I U I U I U I U I U I U I U	D FOR NEX	A On-site I (0 to 6 i & S Meet bing of L her of OF	ing Briefing. akeview. Daily equip E scrap for delivery to Scrap for delivery to MI other site details r.	oment QC tests co o FACT.	conversion		1 = .23 acres	
ACTIVI DGM REQUE	Removal Subcontract iel:  utting Activities Com E Removal Subcontract Removal Subcontract I Removal Activitie Removal Activitie I Removal Activitie I Removal Activitie Remova	D FOR NEX	A On-site ( (0 to 6 i & S Meet bing of L2 her of Of None.	ing Briefing. akeview. Daily equip E scrap for delivery to Scrap for delivery to MI other site details r.	oment QC tests co o FACT.	Conversion		1 = .23 acres	
ACCIDEN	Removal Subcontract tel: utting Activities Comp E Removal Subcontract Removal Subcontract I U E Removal Activitie I U E Removal Activitie I U I U I U I U I U I U I U I U I U I U	D FOR NEX	A On-site I (0 to 6 i & S Meet bing of L her of OF	ing Briefing. akeview. Daily equip E scrap for delivery to Scrap for delivery to MI other site details r.	oment QC tests co o FACT.	Conversion Inducted.			

1. Land 0 2. Brust 0 3. Clean 0	Perimeter Boundary Survey Newcomb Li Grid Network Survey (26 au Land Survey Removal Brush Removed (18 acres)	and Surveyor cres) yor has compl rs have comple stigation 100 ft buffer	perimeter survey completed. ed grid network installation. ed clearance of brush.		Weather: 0' and blue	1 of 1 USAESCH, Rola Rain, 45 Deg		(PM) 26
PROGRES 1. Land 2. Brust 0 3. Clean 0 4. Digi	S OR COMPLETED: Survey Perimeter Boundary Survey Grid Network Survey (26 ai Land Survey Removal Brush Removed (18 acres) Brush cutters ance Action / Intrusive Investigatio	and Surveyor cres) yor has compl rs have comple stigation 100 ft buffer	ed grid network installation.		CLIENT: Weather: 0' and blue	USAESCH, Rola Rain, 45 Deg flagged.		<u> </u>
PROGRES 1. Land 2. Brust 0 3. Clean 0 4. Digi	S OR COMPLETED: Survey Perimeter Boundary Survey Grid Network Survey (26 ai Land Survey Removal Brush Removed (18 acres) Brush cutters ance Action / Intrusive Investigatio	and Surveyor cres) yor has compl rs have comple stigation 100 ft buffer	ed grid network installation.		Weather: 0' and blue	Rain, 45 Deg flagged.		<u> </u>
1. Land 0 2. Brust 0 3. Clean 0 4. Digi	Survey Perimeter Boundary Survey Perimeter Boundary Survey Grid Network Survey (26 ac Land Survey Removal Brush Removed (18 acres) Brush cutter: ance Action / Intrusive Investigatio Days Intrusive Investigatio	and Surveyor cres) yor has compl rs have comple stigation 100 ft buffer	ed grid network installation.	Staked every 10			ıls >>>>	
0 2. Brust 0 3. Clear 0 4. Digi	Perimeter Boundary Survey Newcomb L Grid Network Survey (26 au Land Survey Removal Brush Removed (18 acres) Brush cutters ance Action / Intrusive Invest Lakeview Subdivision and Days Intrusive Investigatio	and Surveyor cres) yor has compl rs have comple stigation 100 ft buffer	ed grid network installation.	Staked every 10			ıls >>>>	
2. Brush 0 3. Clean 0 4. Digi	Newcomb L Grid Network Survey (26 ac Land Survey Removal Brush Removed (18 acres) Brush cutter ance Action / Intrusive Invest Lakeview Subdivision and Days Intrusive Investigatio	and Surveyor cres) yor has compl rs have comple stigation 100 ft buffer	ed grid network installation.	Staked every 10			ıls >>>>	26
2. Brush 0 3. Clean 0 4. Digi	Grid Network Survey (26 au Land Survey Removal Brush Removed (18 acres) Brush cutter ance Action / Intrusive Inves Lakeview Subdivision and Days Intrusive Investigatio	cres) yor has compl rs have comple stigation 100 ft buffer	ed grid network installation.	Staked every 10			uls >>>>	- 26
2. Brush 0 3. Clean 0 4. Digi	Land Survey Removal Brush Removed (18 acres) Brush cutter: ance Action / Intrusive Invest Lakeview Subdivision and Days Intrusive Investigatio	yor has complete rs have complete stigation 100 ft buffet	-			ACREAGE Tota	ıls >>>>	16
0 3. Clean 0 4. Digi	Removal Brush Removed (18 acres) Brush cutters ance Action / Intrusive Invest Lakeview Subdivision and Days Intrusive Investigatio	rs have comple stigation 100 ft buffer	-					20
0 3. Clean 0 4. Digi	Brush Removed (18 acres) Brush cutter: ance Action / Intrusive Inves Lakeview Subdivision and Days Intrusive Investigatio	stigation 100 ft buffer	ed clearance of brush.					
3. Clean 0	Brush cutter: ance Action / Intrusive Inves <i>Lakeview Subdivision and</i> Days Intrusive Investigatio	stigation 100 ft buffer	ed clearance of brush.					
0 4. Digi	ance Action / Intrusive Inves Lakeview Subdivision and Days Intrusive Investigatio	stigation 100 ft buffer	ed clearance of brush.			ACREAGE Tota	ıls >>>>	18.86
0 4. Digi	Lakeview Subdivision and a Days Intrusive Investigation	100 ft buffer						
0 4. Digi	Lakeview Subdivision and a Days Intrusive Investigation	100 ft buffer						
4. Digi	Days Intrusive Investigatio			1			1	- 26
			26 acres/Mag/Dig acre	'S)		ACREAGE Tota	us >>>>	26
	al Geophysical Mapping (DC	on Details:						
	al Geophysical Mapping (DC							
		GM)						
	Lakeview Subdivision and		26 acres/ DGM acres)		-	ACREAGE Tota	ıls >>>>	7.36
	Days DGM Details:							
	Grids 347, 348, 358, 359, 40	04, 404S, 40	414, 414S, and 415 were §	geophysically n	apped			
						·		
	1	PARSONS	ORKFORCE			On aita		UIPMENT
Bort II	kstra - Senior Geophysicist					On-site Yes		USED
Dall HO	Site Trailer Phone: 919-620	-8832 FAX	919-620-9043			1 05		
	Site Haller Holle. 717-020	-0052. TAA	717-020-7045.				2	EM61's
Geo Tea	m A: On-site	(	o Team B:	On-site			-	1
	Bennett Yes		eve Czekalski	Yes				
Eric Che	ng Yes	N	att Tyler	Yes				
	US	AESCH RE	RESENTATIVE					
		1 / 20 1 -	<b>N</b>					
Jon Durl	am - USACESCH Geophysic	al / Technic	Representative			Yes		
-		SUBCON	RACTOR			44		
			FORCE					
Land St	rveyor Subcontractor -Newc					E	EQUIPMEN	T
Personn	el:	On-site			On-site			
1.10		+						
	vey Activities Completed emoval Subcontractor - A-1	Crounds						
Personn		On-site			On-site			
					0.1.0.11			
	tting Activities Completed							
	E Removal Subcontractor - U							
Personn	UXO No.	On-site		UXO No.	On-site			
	E Removal Activities Comlet	tad (0 to 6 in	has)					
07070		I & S Meeti			Conversion	ns: 100x100 grid	= .23 acres	š.
			,g.			-		
	ONAL INFORMATION:							
Parson	continued geophysical map	pping of La	eview. Daily equipment	QC tests cond	ucted.			
				din field land	oks.			
		A	other site details recorded	и in jieiā logbo				
ACTIV	TIES SCHEDULED FOR N			u in jielä logbo				
ACTIV	TIES SCHEDULED FOR N			u in jieid logbo				
DGM		EXT WOR		u in jielā logbo				
DGM	TIES SCHEDULED FOR N ST FOR PROJECT ACTIO	EXT WOR		u in jieid logbo				
DGM REQUE	ST FOR PROJECT ACTIO	EXT WOR		u ın jieid logbo				
DGM	ST FOR PROJECT ACTIO	EXT WOR		u in jielā logbo				
DGM REQUE VISITO	ST FOR PROJECT ACTIO	NNone.			Bart Hoeks	tra		
DGM REQUE VISITO	ST FOR PROJECT ACTIO	EXT WOR				stra 5 I&T REPRESEN		

	742752 Task .0700	00 (DGM)			D	TE/DAY:	2/15/2003			
					REI	REPORT NO: 53 SHEET: 1 of 1				
N:	Stem, NC - Granvi	lle County					1 of 1 USAESCH, Ro	land Belew	(PM)	
••	bleni, ive - Granvi	ne county					Rain, 45 Deg	land Delew	(1 10)	
ROGRESS	S OR COMPLETE	ED:								
1. Land										
	Perimeter Bound									
				ors perimeter survey comple	ted. Staked every 1	00' and blue	flagged.			
0	Grid Network Su				·		ACREAGE To	(ala >>>>	26	
	I	.and Surveyo	r nas com	pleted grid network installat	ion.		ACKEAGE 10	aus >>>>	20	
2 Brush	Removal									
0	Brush Removed	(18 acres)					ACREAGE To	tals >>>>	18.86	
0			have com	pleted clearance of brush.			MCREATER 10		10.00	
		Jush cutters	nave com	sector creatance of brush.						
3. Clear	ance Action / Intru	usive Invest	igation							
0	Lakeview Subdiv	vision and 1	00 ft buff	er (26 acres/Mag/Dig	acres)		ACREAGE To	tals >>>>	26	
R	Days Intrusive In	nvestigation	n Details							
4. Digit	al Geophysical Ma									
0.92	Lakeview Subdiv	vision and 1	00 ft buff	er (26 acres/ DGM acr	es)		ACREAGE To	tals >>>>	8.28	
	Days DGM Deta	uls:								
	Grids 311, 312, 3	14, and 324	were geo	physically mapped						
		P	ARSONS	WORKFORCE					UIPMENT	
							On-site		USED	
Bart Hoe	kstra - Senior Geop						No			
	Site Trailer Phone	e: 919-620-8	3832. FA	X: 919-620-9043.						
~ ~				<u> </u>				2	EM61's	
Geo Tea		On-site		Geo Team B:	On-site					
Courtney		No		Steve Czekalski	Yes					
Eric Cher	.1g	No	FOCUD	Matt Tyler	Yes					
		USA	LESCH R	EPRESENTATIVE						
Ion Durh	am - USACESCH	Geophysica	l / Techni	cal Representative			Yes	1		
Jon Dum	an - OSACESCH	Geophysica	17 I cellin	ical Representative			103			
			SUBCC	NTRACTOR						
			WOR	K FORCE						
	rveyor Subcontrac	ctor -Newco		l Surveyors				EQUIPMEI	TV	
Personn	el:		On-site			On-site				
1										
	vey Activities Com emoval Subcontrac		rounde							
Personne		(101 - A-1 C	On-site			On-site	1			
						on-site				
Brush Cu	tting Activities Cor	npleted					t			
	E Removal Subcont	tractor - US					j			
		UXO No.			UXO No.	On-site				
Personn	el:								-	
Personne										
Personne	E Removal Activiti					Car	108 108	1_ 33		
Personne	E Removal Activiti			inches) ting Briefing.		Conversion	ns: 100x100 grid	d = .23 acre	5.	
Personne UXO / O	E Removal Activiti	Morning H				Conversion	ns: 100x100 grid	1 = .23 acre	5.	
Personne UXO/O ADDITI	E Removal Activiti X N ONAL INFORMA	Morning H	& S Mee	ting Briefing.	ont OC tooto cor		ns: 100x100 grid	d = .23 acre	5.	
Personne UXO/O ADDITI	E Removal Activiti X N ONAL INFORMA	Morning H	& S Mee		ent QC tests cor		ns: 100x100 grid	d = .23 acre	5.	
Personne UXO/O ADDITI	E Removal Activiti X N ONAL INFORMA	Morning H	& S Mee	ting Briefing.	ent QC tests cor		ns: 100x100 grid	d = .23 acre	Ş.	
Personne UXO/O ADDITI	E Removal Activiti X N ONAL INFORMA	Morning H	& S Mee	ting Briefing.	ent QC tests cor		ns: 100x100 grid	d = .23 acre	5.	
Personne UXO/O ADDITI	E Removal Activiti X N ONAL INFORMA	Morning H	& S Mee	ting Briefing.	ent QC tests cor		ns: 100x100 grid	d = .23 acre	5.	
Personne UXO/O ADDITI	E Removal Activiti X N ONAL INFORMA	Morning H	& S Mee	ting Briefing.	ent QC tests cor		ns: 100x100 grid	d = .23 acre	§.	
Personne UXO/O ADDITI	E Removal Activiti X N ONAL INFORMA	Morning H	& S Mee	ting Briefing.	ent QC tests cor		ns: 100x100 gra	d = .23 acre	§.	
Personne UXO/O ADDITI	E Removal Activiti X N ONAL INFORMA	Morning H	& S Mee	ting Briefing.	ent QC tests cor		ns: 100x100 gra	d = .23 acre	5.	
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Personne UXO/O ADDITI	E Removal Activiti X N ONAL INFORMA	Morning H	& S Mee	ting Briefing.	ent QC tests cor		ns: 100x100 gra	1 = .23 acre	5.	
Personne UXO/O ADDITI	E Removal Activiti X N ONAL INFORMA	Morning H	& S Mee	ting Briefing.	ent QC tests cor		ns: 100x100 grid	d = .23 acre	3.	
Personne UXO/O ADDITI	E Removal Activiti X N ONAL INFORMA	Morning H	& S Mee	ting Briefing.	ent QC tests cor		ns: 100x100 grid	1 = .23 acre	8.	
Personne UXO/O ADDITI	E Removal Activiti X N ONAL INFORMA	Morning H	& S Mee	ting Briefing.	ent QC tests cor		ns: 100x100 grid	1 = .23 acre	ş.	
Personne UXO/O ADDITI	E Removal Activiti X N ONAL INFORMA	Morning H	& S Mee	ting Briefing. akeview. Daily equipm		ducted.	ns: 100x100 grid	d = .23 acre	S.	
ADDITI Parsons	E Removal Activiti X N ONAL INFORMA continued geophy	Morning H	& S Mee	ting Briefing. akeview. Daily equipm		ducted.	ns: 100x100 grid	1 = .23 acre	5.	
ADDITI Parsons	E Removal Activiti X N ONAL INFORMA	Morning H	& S Mee	ting Briefing. akeview. Daily equipm		ducted.	ns: 100x100 grid	1 = .23 acre	S.	
ADDITI Parsons	E Removal Activiti X N ONAL INFORMA continued geophy	Morning H	& S Mee	ting Briefing. akeview. Daily equipm		ducted.	ns: 100x100 grid	1 = .23 acre	ş.	
ADDITI Parsons	E Removal Activiti X N ONAL INFORMA continued geophy TIES SCHEDULE	Morning H ATION: ysical map	& S Mee	ting Briefing. akeview. Daily equipm		ducted.	ns: 100x100 grid	d = .23 acre	ş.	
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ADDITI Parsons	E Removal Activiti X N ONAL INFORMA continued geophy TIES SCHEDULE ST FOR PROJEC	Morning H ATION: ysical map	& S Mee	ting Briefing. akeview. Daily equipm		ducted.	ns: 100x100 grid	1 = .23 acre	5. 	
ADDITI Parsons	E Removal Activiti X N ONAL INFORMA continued geophy TIES SCHEDULE ST FOR PROJEC	Morning H ATION: ysical map	& S Mee	ting Briefing. akeview. Daily equipm		ducted.	ns: 100x100 grid	1 = .23 acre	S	
ADDITI Parsons	E Removal Activiti X N ONAL INFORMA continued geophy TIES SCHEDULE ST FOR PROJEC	Morning H ATION: ysical map	& S Mee ping of L SXT WO	ting Briefing. akeview. Daily equipm All other site details reco RK DAY:		ducted.		1 = .23 acre	ş.	
ADDITI Parsons Parsons ADDITI ADDITI Parsons ADDITI ADI	E Removal Activiti X N ONAL INFORMA continued geophy TIES SCHEDULE ST FOR PROJEC	Morning H TTION: ysical map control map co	& S Mee	ting Briefing. akeview. Daily equipm akeview		ducted.				

D:	742752 Task	.07000 (DGM)				DATE/DAY:				
						REPORT NO: 54 SHEET: 1 of 1				
N:	Stem, NC - G	anville Count	у			CLIENT:	USAESCH, Ro		(PM)	
							Sunny, 40 Deg			
	SS OR COMPL d Survey	LETED:								
I. Lan		oundary Surv	1011							
				ors perimeter survey con	pleted. Staked e	every 100' and blue	flagged.			
0	Grid Networ	rk Survey (26		· · ·						
		Land Surv	eyor has com	pleted grid network insta	llation.		ACREAGE To	tals >>>>	26	
	h Removal									
0	Brush Remo	oved (18 acres	<i>.</i>				ACREAGE To	tals >>>>	18.86	
		Brush cutt	ers have com	pleted clearance of brush						
3 Cles	arance Action /	Intrusive Inv	estigation							
0			ě	fer (26 acres/ Mag/D	ig acres)		ACREAGE To	tals >>>>	26	
Ū		sive Investiga			ig ueres)		including in		20	
	Days Intrus	ive investiga	tion Details	•						
4. Dig	ital Geophysica									
1.61	Lakeview Su	ubdivision and	d 100 ft bufj	fer (26 acres/ DGM a	acres)		ACREAGE To	tals >>>>	9.89	
	Days DGM									
	Grids 321, 3	22, 332, 333,	365, 366, ar	nd 367 were geophysica	lly mapped					
			DADCON	5 WORKFORCE				EO	UIPMENT	
			PARSON	S WORKFORCE			On-site		USED	
Bart H	oekstra - Senior (	Geophysicist					No		USED	
Dartin			20-8832 FA	X: 919-620-9043.			NO			
	Site Huiter		10 0052. 11					2	EM61's	
Geo Te	am A:	On-site		Geo Team B:	Or	n-site				
Courtne	ey Bennett	Yes		Steve Czekalski	Y	Yes				
Eric Ch	eng	Yes		Matt Tyler		Yes				
		τ	JSAESCH R	EPRESENTATIVE						
Jon Du	tham - USACES	SCH Geophys	sical / Techn	ical Representative			No	-		
			SUBCO	ONTRACTOR						
				RK FORCE						
Land S	urveyor Subcor	ntractor -Nev	wcomb Lan	d Surveyors				EQUIPMEN	ЛТ	
Person	nel:		On-site			On-site				
		<u> </u>	_							
	urvey Activities Removal Subco		1 Crounds							
Person		ntractor - A-	On-site			On-site				
1 01501	licii					on site				
Brush (	Cutting Activities	s Completed								
	DE Removal Sul									
Person	nel:	UXO No	D. On-site		UX	O No. On-site				
UNO /	OF Dama al A			(and and						
UXU/	OE Removal Ac			ting Briefing.	I	Conversion	ns: 100x100 gri	d = .23 acres	i.	
	А	morning	11 & 5 Mee	ung briening.		Conversion				
ADDIT	TIONAL INFO	RMATION:								
			apping of L	akeview. Daily equi	oment QC test	ts conducted.				
Preser	nt site condition	is include ap	proximatel	y 3 to 4 inches of sno	w-like sleet co	overing the grou	nd.			
				All other site datail	corded in C 1	d logbcake				
ACTP	TIES SCHED	III FD FOD	NEXTWO	All other site details r	ecoraed in field	u togdooks.				
DGM	THES SCHED	<b>ULED FUR</b>	MEAT WU	AA DAT:						
DOM										
REQU	EST FOR PRO	JECT ACTI	ONNone.							
VISIT	ORS:									
						Dont Have	otro			
ACCIDE	NTS REPORTED T	ODAY:				Bart Hoeks	stra			
	NTS REPORTED TO	ODAY:	0					NTATIVE	(S)	
	NTS REPORTED TO NTS TO DATE:	ODAY:	0				stra 5 I&T REPRESE	ENTATIVE(	(S)	

: 742752 Task.07000 (DGM) DATE/DAY: 2/18/2003 REPORT NO: 55									
					KEI	SHEET:			
N:	Stem, NC - Granville	e County					USAESCH, Rol	land Belew (I	PM)
ROGRES	S OR COMPLETED	D:				Weather:	Clear, 40 Deg		
1. Land									
	Perimeter Bounda	ry Survey							
				rs perimeter survey completed	Staked every 1	00' and blue	flagged.		
0	Grid Network Surv			leted grid network installation.			ACREAGE Tot		26
	La	na surveyo	or has comp	ieteu griu network instanation.			ACKEAGE 100	uis >>>>	20
2. Brush	Removal								
0	Brush Removed (1	8 acres)					ACREAGE Tot	als >>>>	18.86
	Bn	ush cutters	have compl	eted clearance of brush.					
3. Clear	ance Action / Intrus Lakeview Subdivis		0	r (26 acres/ Mag/Dig acr	<i>a</i> c)		ACREAGE Tot		26
, v	Days Intrusive Inv			(20 ucres/Mug/Dig ucr	(3)		MCREATER 100	443 ****	20
	Duy5 Ind usi (C In	restigutio	ii Detuiist						
	-								
	al Geophysical Map								
1.73	Lakeview Subdivis		00 ft buffe	r (26 acres/ DGM acres)			ACREAGE Tot	als >>>>	13.23
	Days DGM Detail		2 262 276	and 206 more econtrained					
	Gilds 343, 344, 334	4, 333, 30	2, 363, 376	, and 386 were geophysical	iy mapped				
		Р	ARSONS	WORKFORCE				EQU	IPMENT
							On-site	U	ISED
John Ker	tesz - Site Manager	010 (20	00 <b>22</b> E 1 3				Yes		
	Site Trailer Phone:	919-620-	8832. FA2	K: 919-620-9043.				2 6	M61's
Geo Tea	m A:	On-site		Geo Team B:	On-site			2 E	W101 S
_	Bennett	Yes		Steve Czekalski	Yes			1	
Eric Che	ng	Yes		Matt Tyler	Yes				
		USA	AESCH RE	PRESENTATIVE					
Ion Durk	am - USACESCH G	leonhysics	al / Technic	al Ponrecentative			No		
Jon Duri	an - OSACESCH O	cophysica	ar / reclinic	ai Representative			110		
	-			NTRACTOR					
Land Co		No.		K FORCE			,		c
Personn	rveyor Subcontracto	or -newco	On-site	Surveyors		On-site	· · · ·	EQUIPMEN	
r er sonn						on she			
	vey Activities Compl								
	emoval Subcontract	or - A-1 (	Grounds On-site			0			
Personn	21:		On-site			On-site			
Brush Cı	tting Activities Com	pleted							
	E Removal Subcontr								
Personn	el: U	JXO No.	On-site		UXO No.	On-site			
	E Removal Activitie	es Comlete	d (0 to 6 i	nches)					
070/0			<u>`</u>	ing Briefing.		Conversio	ns: 100x100 grid	= 23 acres	
	X M	JULINE L					ns. 100x100 grid	125 acres.	
	X M	or ning fi				conversio	<i>ns</i> . 100x100 grid	1 – .25 acres.	
	ONAL INFORMAT	FION:					<b>ns</b> . 100x100 grid	1 – .25 acres.	
Parsons	ONAL INFORMAT	FION: sical map	ping of La	keview. Daily equipment		ducted.		1 – .25 acres.	
Parsons Present	ONAL INFORMAT	FION: sical map ude appro	ping of La oximately		sleet coverin	ducted.		1 – .25 acres.	
Parsons Present Final me	ONAL INFORMAT continued geophys site conditions inclue eal reimbursement of	FION: sical map ude appro distirbute	oping of La oximately d to Cash,	keview. Daily equipment 3 to 4 inches of snow-like	sleet coverin amilies.	ducted. g the grou	ind.		ddle scho
Parsons Present Final me Mr. & M	ONAL INFORMAT continued geophys site conditions inclu eal reimbursement of rs. Cash informed F	FION: sical map ude appro distirbute Parsons c	oping of La oximately d to Cash	keview. Daily equipment 3 to 4 inches of snow-like Daniel, Riley, and Vos fa	sleet coverin amilies. hey have iden	ducted. g the grou tified near	nd. Butner elemen	itary and mic	
Parsons Present Final me Mr. & M located construe	ONAL INFORMAT continued geophys site conditions inclu- al reimbursement of rs. Cash informed F between D and E S ct remains.	FION: sical map ude appro distirbute Parsons c St.off 20th	oping of La oximately d to Cash, of concrete St. Parse	keview. Daily equipment 3 to 4 inches of snow-like Daniel, Riley, and Vos fa 2 structural remains that th ons verified structures at t	sleet coverin amilies. hey have iden this location, h	ducted. g the grou tified near lowever, c	nd. Butner elemen could not identifi	ntary and mic y functional	purpose
Parsons Present Final me Mr. & M located construct Riley's v	ONAL INFORMAT s continued geophys site conditions inclue eal reimbursement of rs. Cash informed F between D and E S ct remains.	TION: sical map ude appro distirbuted Parsons of St.off 20th	oping of La oximately d to Cash of concrete St. Parse ursement	keview. Daily equipment 3 to 4 inches of snow-like Daniel, Riley, and Vos fe s structural remains that the ons verified structures at 1 for mileage accrued durin	sleet coverin amilies. hey have iden this location, h	ducted. g the grou tified near towever, c	nd. Butner elemen could not identif	itary and min y functional uired about	purpose
Parsons Present Final me Mr. & M located construct Riley's v	ONAL INFORMAT s continued geophys site conditions inclue eal reimbursement of rs. Cash informed F between D and E S ct remains.	TION: sical map ude appro distirbuted Parsons of St.off 20th	oping of La oximately d to Cash of concrete St. Parse ursement	keview. Daily equipment 3 to 4 inches of snow-like Daniel, Riley, and Vos fa 2 structural remains that th ons verified structures at t	sleet coverin amilies. hey have iden this location, h	ducted. g the grou tified near towever, c	nd. Butner elemen could not identif	itary and min y functional uired about	purpose
Parsons Present Final me Mr. & M located construct Riley's v	ONAL INFORMAT s continued geophys site conditions inclue eal reimbursement of rs. Cash informed F between D and E S ct remains.	TION: sical map ude appro distirbuted Parsons of St.off 20th	oping of La oximately d to Cash of concrete St. Parse ursement	keview. Daily equipment 3 to 4 inches of snow-like Daniel, Riley, and Vos fe s structural remains that the ons verified structures at 1 for mileage accrued durin	sleet coverin amilies. hey have iden this location, h	ducted. g the grou tified near towever, c	nd. Butner elemen could not identif	itary and min y functional uired about	purpose
Parsons Present Final me Mr. & M located construct Riley's v	ONAL INFORMAT s continued geophys site conditions inclue eal reimbursement of rs. Cash informed F between D and E S ct remains.	FION: sical map ude appro distirbuted Parsons of St.off 20th	oping of La oximately d to Cash of concrete St. Parse ursement	keview. Daily equipment 3 to 4 inches of snow-like Daniel, Riley, and Vos fe s structural remains that the ons verified structures at 1 for mileage accrued durin	sleet coverin amilies. hey have iden this location, h	ducted. g the grou tified near towever, c	nd. Butner elemen could not identif	itary and min y functional uired about	purpose
Parsons Present Final me Mr. & M located construct Riley's v	ONAL INFORMAT s continued geophys site conditions inclue eal reimbursement of rs. Cash informed F between D and E S ct remains.	FION: sical map ude appro distirbuted Parsons of St.off 20th	oping of La oximately d to Cash of concrete St. Parse ursement	keview. Daily equipment 3 to 4 inches of snow-like Daniel, Riley, and Vos fe s structural remains that the ons verified structures at 1 for mileage accrued durin	sleet coverin amilies. hey have iden this location, h	ducted. g the grou tified near towever, c	nd. Butner elemen could not identif	itary and min y functional uired about	purpose
Parsons Present Final me Mr. & M located construct Riley's v	ONAL INFORMAT s continued geophys site conditions inclue eal reimbursement of rs. Cash informed F between D and E S ct remains.	FION: sical map ude appro distirbuted Parsons of St.off 20th	oping of La oximately d to Cash of concrete St. Parse ursement	keview. Daily equipment 3 to 4 inches of snow-like Daniel, Riley, and Vos fe s structural remains that the ons verified structures at 1 for mileage accrued durin	sleet coverin amilies. hey have iden this location, h	ducted. g the grou tified near towever, c	nd. Butner elemen could not identif	itary and min y functional uired about	purpose
Parsons Present Final me Mr. & M located construct Riley's v	ONAL INFORMAT s continued geophys site conditions inclue eal reimbursement of rs. Cash informed F between D and E S ct remains.	FION: sical map ude appro distirbuted Parsons of St.off 20th	oping of La oximately d to Cash of concrete St. Parse ursement	keview. Daily equipment 3 to 4 inches of snow-like Daniel, Riley, and Vos fe s structural remains that the ons verified structures at 1 for mileage accrued durin	sleet coverin amilies. hey have iden this location, h	ducted. g the grou tified near towever, c	nd. Butner elemen could not identif	itary and min y functional uired about	purpose
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Parsons Present Final me Mr. & M located construc Riley's w property	ONAL INFORMAT s continued geophys site conditions inclue eal reimbursement of rs. Cash informed F between D and E S ct remains.	FION: sical map ude appro- distirbuter Parsons c St.off 20th out reimblo cleared d	oping of La oximately d to Cash, of concrete St. Parso ursement uring TCF	keview. Daily equipment 3 to 4 inches of snow-like Daniel, Riley, and Vos fa e structural remains that th ons verified structures at 1 for mileage accrued durin tA. Parsons deferred que All other site details recorded	sleet coverin milies. hey have iden this location, h a displaceme stions to P.So	ducted. g the grou tified near owever, c nt to mote cmitt at the	nd. Butner elemen could not identif	itary and min y functional uired about	purpose
Parsons Present Final me Mr. & M located construct Riley's w property	ONAL INFORMAT a continued geophys site conditions inclu- eal reimbursement of rs. Cash informed P between D and E S t remains. vere concerned abc v was only partially of	FION: sical map ude appro- distirbuter Parsons c St.off 20th out reimblo cleared d	oping of La oximately d to Cash, of concrete St. Parso ursement uring TCF	keview. Daily equipment 3 to 4 inches of snow-like Daniel, Riley, and Vos fa e structural remains that th ons verified structures at 1 for mileage accrued durin tA. Parsons deferred que All other site details recorded	sleet coverin milies. hey have iden this location, h a displaceme stions to P.So	ducted. g the grou tified near owever, c nt to mote cmitt at the	nd. Butner elemen could not identif	itary and min y functional uired about	purpose
Parsons Present Final me Mr. & M located construct Riley's v property	ONAL INFORMAT a continued geophys site conditions inclu- eal reimbursement of rs. Cash informed P between D and E S t remains vere concerned abc vas only partially of THES SCHEDULEE	TION: sical map ude approdistibuter Parsons of st.off 20th out reimblic cleared d	oping of La oximately d to Cash, of concrete St. Parsu ursement uring TCR	keview. Daily equipment 3 to 4 inches of snow-like Daniel, Riley, and Vos fa e structural remains that th ons verified structures at 1 for mileage accrued durin tA. Parsons deferred que All other site details recorded	sleet coverin milies. hey have iden this location, h a displaceme stions to P.So	ducted. g the grou tified near owever, c nt to mote cmitt at the	nd. Butner elemen could not identif	itary and min y functional uired about	purpose
Parsons Present Final me Mr. & M located construct Riley's v property	ONAL INFORMAT a continued geophys site conditions inclu- eal reimbursement of rs. Cash informed P between D and E S t remains. vere concerned abc v was only partially of	TION: sical map ude approdistibuter Parsons of st.off 20th out reimblic cleared d	oping of La oximately d to Cash, of concrete St. Parsu ursement uring TCR	keview. Daily equipment 3 to 4 inches of snow-like Daniel, Riley, and Vos fa e structural remains that th ons verified structures at 1 for mileage accrued durin tA. Parsons deferred que All other site details recorded	sleet coverin milies. hey have iden this location, h a displaceme stions to P.So	ducted. g the grou tified near owever, c nt to mote cmitt at the	nd. Butner elemen could not identif	itary and min y functional uired about	purpose
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Parsons Present Final me Iocated construc Riley's v property	ONAL INFORMAT is continued geophys site conditions inclu- eal reimbursement of seash informed P between D and E S st remains_ vere concerned abc was only partially of TIES SCHEDULEE ST FOR PROJECT	TION: sical map ude approdistibuter Parsons of st.off 20th out reimblic cleared d	oping of La oximately d to Cash, of concrete St. Parsu ursement uring TCR	keview. Daily equipment 3 to 4 inches of snow-like Daniel, Riley, and Vos fa e structural remains that th ons verified structures at 1 for mileage accrued durin tA. Parsons deferred que All other site details recorded	sleet coverin amilies. ney have iden this location, h a displaceme estions to P.Sc ed in field logb	ducted. g the grou tified near lowever, c nt to mote cmitt at the moks.	nd. Butner elemen sould not identif I. They also ing a Wilmington Di	itary and min y functional uired about	purpose
Parsons Present Final me Incated Construct Riley's w property Construct ACTIVI DGM REQUE VISITO	ONAL INFORMAT is continued geophys site conditions inclu- sal reimbursement of rs. Cash informed F between D and E S st remains. vere concerned abc was only partially of the strength of the strength the strength of the strength strength of the strength of the strength strength of the strength f the strength of the strength of the st	TION: sical map ude appro- distirbute Parsons c St.off 20th but reimbic cleared d	pping of La oximately d to Cash, <u>of concrete</u> <u>ist. Parso</u> <u>ursement</u> <u>uring TCR</u> <u>ext WOR</u> <u>None</u> .	keview. Daily equipment 3 to 4 inches of snow-like Daniel, Riley, and Vos fa e structural remains that th ons verified structures at 1 for mileage accrued durin tA. Parsons deferred que All other site details recorded	sleet coverin amilies. ney have iden this location, h a displaceme estions to P.Sc ed in field logb	ducted. g the grou tified near owever, c nt to mote cmitt at the	nd. Butner elemen sould not identif I. They also ing a Wilmington Di	itary and min y functional uired about	purpose
Parsons Present Final m final	ONAL INFORMAT is continued geophys site conditions inclu- eal reimbursement of seash informed P between D and E S st remains_ vere concerned abc was only partially of TIES SCHEDULEE ST FOR PROJECT	TION: sical map ude appro- distirbute Parsons c St.off 20th but reimbic cleared d	oping of La oximately d to Cash, of concrete St. Parsu ursement uring TCR	keview. Daily equipment 3 to 4 inches of snow-like Daniel, Riley, and Vos fa e structural remains that th ons verified structures at 1 for mileage accrued durin tA. Parsons deferred que All other site details recorded	sleet coverin milies. hey have iden this location, f g displaceme estions to P.Sc ed in field logb	ducted. g the grou tified near nowever, c nt to mote mitt at the poks. Bart Hoek:	nd. Butner elemen sould not identif I. They also ing a Wilmington Di	atary and minipage of the second seco	reason th

):	742752 Task .0700	00 (DGM)				DATE/DAY:				
					'	<b>REPORT NO:</b> 56 SHEET: 1 of 1				
N:	Stem, NC - Granvi	ille County					USAESCH, Rol	and Belew	(PM)	
	<u></u>						Clear, 40 Deg		()	
	SS OR COMPLETI	ED:								
1. Lan	d Survey									
	Perimeter Bound				1 . 1	1001 111	a 1			
0	Grid Network Su			ors perimeter survey com	pleted. Staked eve	ry 100 and blue	nagged.			
U				pleted grid network insta	llation		ACREAGE Tot	als >>>>	26	
		Land Survey	or has com	pieted grid network insu	nation.		MCREATER IN		20	
2. Brus	h Removal									
0	Brush Removed	(18 acres)					ACREAGE Tot	als >>>>	18.86	
			s have com	pleted clearance of brush						
3. Clea	rance Action / Intr	usive Inves	stigation							
0	Lakeview Subdiv	vision and 1	100 ft buff	fer (26 acres/ Mag/D	ig acres)		ACREAGE Tot	als >>>>	26	
	Days Intrusive I	nvestigatio	on Details:	:						
4 101										
	ital Geophysical Ma			fer (26 acres/ DGM a			ACREAGE Tot		15.07	
1.84			гоо ја вијј	er (26 acres/DGM a	icres)		ACKEAGE 101	ais >>>>	15.07	
	Days DGM Deta		0 260 20	1 202 410 402 and 4	12	a aller manned				
	Gilds 551, 541, 5	552, 555, 50	38, 309, 39	91, 392, 410, 402, and 4	12 were geophys	icarry mapped				
		1	PARSONS	5 WORKFORCE				FOI	JIPMENT	
			AKSONS	WORKI OKCE			On-site		USED	
Bart Ho	eksta - Senior Geopl	hysicist					Yes			
			-8832. FA	X: 919-620-9043.						
							1	2	EM61's	
Geo Te	am A:	On-site		Geo Team B:	On-s	ite				
Courtne	y Bennett	Yes		Steve Czekalski	Ye	5				
Eric Ch		Yes		Matt Tyler	Ye					
		US	AESCH R	EPRESENTATIVE						
·	1 110.0-0.	<u> </u>	1 / 20	10						
Jon Du	ham - USACESCH	Geophysic	al / Techni	ical Representative			No			
			SUPCO	ONTRACTOR						
				RK FORCE						
Land S	urveyor Subcontra	ctor -Newc					1	EQUIPMEN	IT	
Person			On-site			On-site				
	rvey Activities Com									
	Removal Subcontra	ctor - A-1		1						
Person	nel:		On-site			On-site				
Brush (	Cutting Activities Co	mpleted				-				
	E Removal Subcon		JSA	1			1			
Person		UXO No.			UXO	No. On-site	1			
			•				1			
UXO /	DE Removal Activit									
	X	Morning H	& S Mee	ting Briefing.		Conversio	ns: 100x100 gric	1 = .23 acres		
		an o								
	IONAL INFORMA		oning of '	akoviow Deilu a	mont 00 test	oonducted				
r arsor	is continued geoph	iysical ma	pping of L	akeview. Daily equip		conducted.				
·										
·				All other site details r	ecorded in field I	oghaaks				
ACTIV	TTIES SCHEDULI	ED FOR N	EXT WO		in field h					
DGM	Ho seniebeli									
REQU	EST FOR PROJEC	T ACTIO	None.							
VISITO	JRS:									
						Bart Uach	stra			
ACCIDE	NTS REPORTED TODAY	Y.		-		Bart Hoek	stra			
	NTS REPORTED TODA'	Y:	0			-		NTATIVE	S)	
	NTS REPORTED TODA' NTS TO DATE:	Y:	0			-	stra S I&T REPRESE	NTATIVE(	S)	

D:	742752 Task. 07000 (DGM) DATE/DAY: 2/20/2003 REPORT NO: 57							
					SHEET:			
N:	Stem, NC - Granville Count	ty			CLIENT:	USAESCH, Ro	land Belew	(PM)
						Clear, 40 Deg		
	SS OR COMPLETED: d Survey							
I. Lan	Perimeter Boundary Sur	11 <i>0</i> 17						
			ors perimeter survey complet	ed. Staked every	100' and blue	flagged.		
0	Grid Network Survey (26		<u> </u>	ī				
	Land Surv	veyor has com	pleted grid network installati	on.		ACREAGE To	tals >>>>	26
	h Removal							10.07
0	Brush Removed (18 acre					ACREAGE To	als >>>>	18.86
	Brush cut	ters have com	pleted clearance of brush.					
3. Clea	rance Action / Intrusive In	vestigation						
0		ě	fer (26 acres/Mag/Dig a	icres)		ACREAGE To	tals >>>>	26
	Days Intrusive Investiga	ation Details	:					
4. Dig 0.92	ital Geophysical Mapping (		fer (26 acres/ DGM acre			ACREACE	(	15.99
0.92	Days DGM Details:	a 100 ji bujj	er (26 acres/DGM acre	3)		ACREAGE To	ais >>>>	15.99
		0 3208 374	, 374S, and 375 were geopl	avsically manner	d			
	01103 5043, 500, 510, 520	0, 5203, 574,	5745, and 575 were geopi	rysicany mapped	1			
		PARSONS	S WORKFORCE					UIPMENT
						On-site		USED
Bart Ho	eksta - Senior Geophysicist					Yes		
	Site Trailer Phone: 919-6	20-8832. FA	X: 919-620-9043.					
ConTo	am A. On cit	-	Geo Team B:	On cita		-	- 2	EM61's
Geo Te	am A: On-site ey Bennett Yes		Steve Czekalski	On-site Yes				
Eric Ch			Matt Tyler	Yes				
Line en		USAESCH R	EPRESENTATIVE	105		1		
							]	
Jon Du	ham - USACESCH Geophy	sical / Techn	ical Representative			No	]	
		CLIDCO	NTD A CTOD					
			ONTRACTOR RK FORCE					
Land S	urveyor Subcontractor -Ne					T	EQUIPMEN	νT
Person		On-site			On-site	1		
	arvey Activities Completed	10						
Person	Removal Subcontractor - A	On-site	r		On-site	-		
1 (1 30)	ici.	011 5110			OII-Site			
Brush (	Cutting Activities Completed			-				
	DE Removal Subcontractor							
Person	nel: UXO N	Io. On-site		UXO No	o. On-site			
UXO /	OE Removal Activities Com	latad (0 to 6	inchec)		+			
0.107			ting Briefing.		Conversio	ns: 100x100 grid	d = .23 acres	3.
		, u o	ung briting.			c		
	IONAL INFORMATION:							
Parsor	is continued geophysical n	napping of L	akeview. Daily equipme	ent QC tests co	nducted.			
		-			-		-	-
			All other site details reco	rded in field log	books.			
	TTIES SCHEDULED FOR	NEXT WO	RK DAY:					
DGM								
REOU	EST FOR PROJECT ACTI	<b>ON</b> None						
MEQU.	201 FOR TROJECT ACTI	ioriione.						
VISIT	DRS:				·			
		_						
			_		Bart Hoeks	stra		
		~						
	NTS REPORTED TODAY:	0			DADCON	LAT DEPRES	NTATIO	C)
	NTS REPORTED TODAY: NTS TO DATE:	0			PARSONS	S I&T REPRESE	ENTATIVE(	S)

):	742752 Task .0700	00 (DGM)				DATE/DAY			
						REPORT NO SHEET			
N:	Stem, NC - Granvi	ille County					USAESCH, Ro	land Belew (	PM)
••	blein, ive - Granvi	ine county					Cloudy, 45 Deg		1 101)
ROGRE	SS OR COMPLETE	ED:							
1. Lan	nd Survey								
	Perimeter Bound								
				ors perimeter survey com	pleted. Staked	d every 100' and blu	e flagged.		
0	Grid Network Su			1 . 1 . 1 . 1	0.2				27
	1	Land Surveyo	or has com	pleted grid network instal	llation.		ACREAGE Tot	ais >>>>	26
2 Brue	sh Removal								
2. Brus	Brush Removed	(18 gamas)					ACREAGE Tot		18.86
U		· /	h	lated alsonance of hereit			ACKEAGE TO	uis >>>>	10.00
	1	Brush cutters	nave com	pleted clearance of brush.					
3 Cles	arance Action / Intru	usive Invest	igation						
0			0	er (26 acres/Mag/D	ig acres)		ACREAGE To	als >>>>	26
	Days Intrusive I				ig ueres)		including in		20
	Days Intrusive I	investigatio	ii Details.	•					
4. Dig	gital Geophysical Ma	apping (DG	MD						
1.84				er (26 acres/ DGM a	icres)		ACREAGE Tot	als >>>>	17.83
	Days DGM Deta		5 55		<i>.</i>				
			2 421 42	2, and 430 were geophy	vsically map	ned			
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,	-,,	-,	,				
		Р	ARSONS	WORKFORCE				EOI	IPMENT
		-					On-site		USED
Bart Ho	oeksta - Senior Geoph	hysicist					Yes		
			8832. FA	X: 919-620-9043.				l	
							1	21	EM61's
Geo Te	eam A:	On-site		Geo Team B:	(	On-site		1	
Courtne	ey Bennett	No		Steve Czekalski		Yes		1	
Eric Ch		Yes		Matt Tyler		Yes	1	Î.	
		USA	AESCH R	EPRESENTATIVE				]	
Jon Du	rham - USACESCH	Geophysica	ıl / Techni	cal Representative			No	Į	
				NTRACTOR					
				K FORCE					
	Surveyor Subcontrac	ctor -Newco		1 Surveyors		On site		EQUIPMEN	T
Person	met;		On-site			On-site			
Land S	urvey Activities Com	npleted					1		
	Removal Subcontra		Frounds				1		
Person			On-site			On-site	1		
						0010	1		
Brush (	Cutting Activities Cor	mpleted					1		
	DE Removal Subcon	tractor - U				-			
Person	inel:	UXO No.	On-site		U	XO No. On-site			
UXO /	OE Removal Activit								-
	X	Morning H	& S Mee	ting Briefing.		Conversio	ns: 100x100 grid	1 = .23  acres	
	FIONAL INFORMA			dealers B. M. C.					
				akeview. Daily equip			)r		
Brush	crew has complete	u removal	ur consol	idated brush cuttings	from entrar	ICE OT LAKEVIEW I	וע.		
				All other site details r	ecorded in fi	eld logbooks.			
ACTIV	VITIES SCHEDULE	ED FOR NE	EXT WO			J			
DGM		,							
REQU	EST FOR PROJEC	T ACTION	None.						
		T ACTION	None.						
REQU VISIT		CT ACTION	None.						
		CT ACTION	None.			D 11 - 1	stas		
VISIT	ORS:					Bart Hoek	stra		
VISIT	ORS:		0					NIT & TU IT 4	2)
VISIT	ORS:						stra S I&T REPRESE	NTATIVE(	3)

0:	742752 Task .07000 (DGM)			DATE/DAY REPORT NO:			
				SHEET:			
N:	Stem, NC - Granville County				USAESCH, Roland		(PM)
PROCRE	SS OR COMPLETED:			Weather:	Partly Cloudy, 45 I	Deg	
	d Survey						
	Perimeter Boundary Surv	ey					
			rs perimeter survey completed. Staked	l every 100' and blue	flagged.		
0	Grid Network Survey (26						•
	Land Surve	yor has compl	leted grid network installation.		ACREAGE Totals	>>>>	26
2 Brus	h Removal						
2. Drus	Brush Removed (18 acres)	)			ACREAGE Totals	>>>>	18.86
0			eted clearance of brush.		Tenderten Tenne		10.00
3. Clea	arance Action / Intrusive Invo						
0		5 55	r (26 acres/ Mag/Dig acres)		ACREAGE Totals	>>>>	26
	Days Intrusive Investigat	ion Details:					
4. Dig	ital Geophysical Mapping (D	GM					
1.38			r (26 acres/ DGM acres)		ACREAGE Totals	>>>>	19.21
	Days DGM Details:	5 55					
		89, and 390	were geophysically mapped				
	-						
		DIROCT	WORKEODCE		<del>, ,</del>		1100 000 000
		PARSONS	WORKFORCE		0		JIPMENT
					On-site		USED
	Site Trailer Phone: 919-62	0.8837 EAN	2- 010 620 00/3		<del>   </del>		
	She Traner Thone. 717-02	0-0052. TAA	x. <i>117-020-7045</i> .			2	EM61's
Geo Te	am A: On-site					_	
Erich S	tedman Yes						
Eric Ch	*						
	U	SAESCH RE	PRESENTATIVE				
-							
-					<u>                                     </u>		
-		SUBCON	NTRACTOR				
			K FORCE				
	urveyor Subcontractor -New		Surveyors		EQ	UIPMEN	T
Person	nel:	On-site		On-site			
Land S	urvey Activities Completed						
	Removal Subcontractor - A-1	Grounds					
Person		On-site		On-site			
	Cutting Activities Completed						
UXO/C	DE Removal Subcontractor -		lu lu	VO No. On cita			
	DE Removal Subcontractor -		U	XO No. On-site			
UXO/C Person	DE Removal Subcontractor - nel: UXO No	On-site		XO No. On-site			
UXO/C Person	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comba	On-site eted (0 to 6 in			ns: 100x100 grid =	.23 acres	
UXO/C Person	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comba	On-site eted (0 to 6 in	nches)		ns : 100x100 grid =	.23 acres	
UXO/O Person UXO / ADDIT	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning TIONAL INFORMATION:	On-site oted (0 to 6 in H & S Meeti	nches) ing Briefing.	Conversio	ns: 100x100 grid =	.23 acres	
UXO/C Person UXO / ADDI1 Parsor	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning TIONAL INFORMATION: is continued geophysical maximum Substance of the second sec	On-site eted (0 to 6 in H & S Meeti	nches) ing Briefing. ikeview. Daily equipment QC te	Conversio			
UXO/C Person UXO / ADDIT Parsor Mrs. R	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning TIONAL INFORMATION: Is continued geophysical ma iley has contacted Parsons	On-site eted (0 to 6 in H & S Meeti apping of La regarding th	nches) ing Briefing. keview. Daily equipment QC te he re-gravelling of her driveway.	Conversio ests conducted. Parsons will sch	edule the re-grave	elling for	later this week
UXO/C Person UXO / ADDIT Parsor Mrs. R Cut bru	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning CIONAL INFORMATION: is continued geophysical ma ligh has contacted Parsons ush has been consolidated i	On-site ted (0 to 6 in H & S Meeti apping of La regarding th n preparatio	nches) ing Briefing. ikeview. Daily equipment QC te e re-gravelling of her driveway. n for chipping. Chipping will oc	Conversio ests conducted. Parsons will sch	edule the re-grave	elling for	later this week
UXO/C Person UXO / ADDIT Parsor Mrs. R Cut bru	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning TIONAL INFORMATION: Is continued geophysical ma iley has contacted Parsons	On-site ted (0 to 6 in H & S Meeti apping of La regarding th n preparatio	nches) ing Briefing. ikeview. Daily equipment QC te e re-gravelling of her driveway. n for chipping. Chipping will oc	Conversio ests conducted. Parsons will sch	edule the re-grave	elling for	later this week
UXO/C Person UXO / ADDIT Parsor Mrs. R Cut bru	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning CIONAL INFORMATION: is continued geophysical ma ligh has contacted Parsons ush has been consolidated i	On-site ted (0 to 6 in H & S Meeti apping of La regarding th n preparatio	nches) ing Briefing. ikeview. Daily equipment QC te e re-gravelling of her driveway. n for chipping. Chipping will oc	Conversio ests conducted. Parsons will sch	edule the re-grave	elling for	later this week
UXO/C Person UXO / ADDIT Parsor Mrs. R Cut bru	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning CIONAL INFORMATION: is continued geophysical ma ligh has contacted Parsons ush has been consolidated i	On-site ted (0 to 6 in H & S Meeti apping of La regarding th n preparatio	nches) ing Briefing. ikeview. Daily equipment QC te e re-gravelling of her driveway. n for chipping. Chipping will oc	Conversio ests conducted. Parsons will sch	edule the re-grave	elling for	later this weel
UXO/C Person UXO / Parsor Mrs. R Cut bru	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning CIONAL INFORMATION: is continued geophysical ma ligh has contacted Parsons ush has been consolidated i	On-site ted (0 to 6 in H & S Meeti apping of La regarding th n preparatio	nches) ing Briefing. ikeview. Daily equipment QC te e re-gravelling of her driveway. n for chipping. Chipping will oc	Conversio ests conducted. Parsons will sch	edule the re-grave	elling for	later this wee
UXO/C Person UXO / ADDIT Parsor Mrs. R Cut bru	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning CIONAL INFORMATION: is continued geophysical ma ligh has contacted Parsons ush has been consolidated i	On-site ted (0 to 6 in H & S Meeti apping of La regarding th n preparatio	nches) ing Briefing. ikeview. Daily equipment QC te e re-gravelling of her driveway. n for chipping. Chipping will oc	Conversio ests conducted. Parsons will sch	edule the re-grave	elling for	later this wee
UXO/C Person UXO / ADDIT Parsor Mrs. R Cut bru	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning CIONAL INFORMATION: is continued geophysical ma ligh has contacted Parsons ush has been consolidated i	On-site ted (0 to 6 in H & S Meeti apping of La regarding th n preparatio	nches) ing Briefing. ikeview. Daily equipment QC te e re-gravelling of her driveway. n for chipping. Chipping will oc	Conversio ests conducted. Parsons will sch	edule the re-grave	elling for	later this weel
UXO/C Person UXO / ADDIT Parsor Mrs. R Cut bru	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning CIONAL INFORMATION: is continued geophysical ma ligh has contacted Parsons ush has been consolidated i	On-site ted (0 to 6 in H & S Meeti apping of La regarding th n preparatio	nches) ing Briefing. ikeview. Daily equipment QC te e re-gravelling of her driveway. n for chipping. Chipping will oc	Conversio ests conducted. Parsons will sch	edule the re-grave	elling for	later this weel
UXO/C Person UXO / Parsor Mrs. R Cut bru	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning CIONAL INFORMATION: is continued geophysical ma ligh has contacted Parsons ush has been consolidated i	On-site ted (0 to 6 in H & S Meeti apping of La regarding th n preparatio	nches) ing Briefing. ikeview. Daily equipment QC te e re-gravelling of her driveway. n for chipping. Chipping will oc	Conversio ests conducted. Parsons will sch	edule the re-grave	elling for	later this week
UXO/C Person UXO / Parsor Mrs. R Cut bru	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning CIONAL INFORMATION: is continued geophysical ma ligh has contacted Parsons ush has been consolidated i	On-site ted (0 to 6 in H & S Meeti apping of La regarding th n preparatio	nches) ing Briefing. ikeview. Daily equipment QC te e re-gravelling of her driveway. n for chipping. Chipping will oc	Conversio ests conducted. Parsons will sch	edule the re-grave	elling for	later this week
UXO/C Person UXO / ADDIT Parsor Mrs. R Cut bru	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning CIONAL INFORMATION: is continued geophysical ma ligh has contacted Parsons ush has been consolidated i	On-site ted (0 to 6 in H & S Meeti apping of La regarding th n preparatio	nches) ing Briefing. ikeview. Daily equipment QC te e re-gravelling of her driveway. n for chipping. Chipping will oc	Conversio ests conducted. Parsons will sch	edule the re-grave	elling for	later this week
UXO/C Person UXO / Parsor Mrs. R Cut bru equipn	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning CIONAL INFORMATION: Is continued geophysical ma iley has contacted Parsons ush has been consolidated i nent; current site conditions	ted (0 to 6 in 6 in 6 in 6 in 6 in 6 in 6 in 6 i	nches) ing Briefing. keview. Daily equipment QC te te re-gravelling of her driveway. In for chipping. Chipping will oc Chipping will oc All other site details recorded in fit	Conversio Sts conducted. Parsons will sch cur when site cor	edule the re-grave	elling for	later this week
UXO/C Person UXO / Parson Mrs. R Cut bru equipm	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning CIONAL INFORMATION: is continued geophysical ma ligh has contacted Parsons ush has been consolidated i	ted (0 to 6 in 6 in 6 in 6 in 6 in 6 in 6 in 6 i	nches) ing Briefing. keview. Daily equipment QC te te re-gravelling of her driveway. In for chipping. Chipping will oc Chipping will oc All other site details recorded in fit	Conversio Sts conducted. Parsons will sch cur when site cor	edule the re-grave	elling for	later this week
UXO/C Person UXO / Parsor Mrs. R Cut bru equipn	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning CIONAL INFORMATION: Is continued geophysical ma iley has contacted Parsons ush has been consolidated i nent; current site conditions	ted (0 to 6 in 6 in 6 in 6 in 6 in 6 in 6 in 6 i	nches) ing Briefing. keview. Daily equipment QC te te re-gravelling of her driveway. In for chipping. Chipping will oc Chipping will oc All other site details recorded in fit	Conversio Sts conducted. Parsons will sch cur when site cor	edule the re-grave	elling for	later this week
ADDIT Parson Mrs. R Cut bri equipn ACTIV DGM	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning TIONAL INFORMATION: is continued geophysical ma iley has contacted Parsons ush has been consolidated i nent; current site conditions TITIES SCHEDULED FOR 1	ted (0 to 6 is H & S Meeti H & S Meeti apping of La regarding th n preparatio are muddy.	nches) ing Briefing. keview. Daily equipment QC te te re-gravelling of her driveway. In for chipping. Chipping will oc Chipping will oc All other site details recorded in fit	Conversio Sts conducted. Parsons will sch cur when site cor	edule the re-grave	elling for	later this week
UXO/C Person UXO / Parsor Mrs. R Cut bri equipn equipn ACTIV DGM	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning CIONAL INFORMATION: Is continued geophysical ma iley has contacted Parsons ush has been consolidated i nent; current site conditions	ted (0 to 6 is H & S Meeti H & S Meeti apping of La regarding th n preparatio are muddy.	nches) ing Briefing. keview. Daily equipment QC te te re-gravelling of her driveway. In for chipping. Chipping will oc Chipping will oc All other site details recorded in fit	Conversio Sts conducted. Parsons will sch cur when site cor	edule the re-grave	elling for	later this week
UXO/C Person UXO / Parsor Mrs. R Cut brit equipm	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning TIONAL INFORMATION: Is continued geophysical ma- iley has contacted Parsons ush has been consolidated i nent; current site conditions Particle Scheduled For Market TITIES SCHEDULED FOR Market EST FOR PROJECT ACTION	ted (0 to 6 is H & S Meeti H & S Meeti apping of La regarding th n preparatio are muddy.	nches) ing Briefing. keview. Daily equipment QC te te re-gravelling of her driveway. In for chipping. Chipping will oc Chipping will oc All other site details recorded in fit	Conversio Sts conducted. Parsons will sch cur when site cor	edule the re-grave	elling for	later this week
UXO/C Person UXO 7 ADDIT Parsor Mrs. R Cut bru equipm equipm active ACTIV DGM REQU	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning TIONAL INFORMATION: Is continued geophysical ma- iley has contacted Parsons ush has been consolidated i nent; current site conditions Particle Scheduled For Market TITIES SCHEDULED FOR Market EST FOR PROJECT ACTION	ted (0 to 6 is H & S Meeti H & S Meeti apping of La regarding th n preparatio are muddy.	nches) ing Briefing. keview. Daily equipment QC te te re-gravelling of her driveway. In for chipping. Chipping will oc Chipping will oc All other site details recorded in fit	Conversio Conversio Parsons will sch cur when site cor	edule the re-grave	elling for	later this week
UXO/C Person UXO / Parson Mrs. R Cut bru equipn equipn ACTIV DGM REQU VISITO	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning TIONAL INFORMATION: Is continued geophysical mailey has contacted Parsons. Is has been consolidated i nent; current site conditions TITIES SCHEDULED FOR I EST FOR PROJECT ACTION DRS:	on-site ted (0 to 6 in H & S Meeti Apping of La regarding th n preparatio are muddy. NEXT WOR NNone.	nches) ing Briefing. keview. Daily equipment QC te te re-gravelling of her driveway. In for chipping. Chipping will oc Chipping will oc All other site details recorded in fit	Conversio Sts conducted. Parsons will sch cur when site cor	edule the re-grave	elling for	later this week
ACTIV ACCIDE ACCIDE	DE Removal Subcontractor - nel: UXO No OE Removal Activities Comle X Morning TIONAL INFORMATION: Is continued geophysical ma- iley has contacted Parsons ush has been consolidated i nent; current site conditions Particle Scheduled For Market TITIES SCHEDULED FOR Market EST FOR PROJECT ACTION	ted (0 to 6 is H & S Meeti H & S Meeti apping of La regarding th n preparatio are muddy.	nches) ing Briefing. keview. Daily equipment QC te te re-gravelling of her driveway. In for chipping. Chipping will oc Chipping will oc All other site details recorded in fit	Conversio Conversio Parsons will sch cur when site cor eld logbooks.	edule the re-grave	Billing for h	later this week

0:	742752 Task .07000 (DGM)		DATE/DAY			
		<u> </u>	REPORT NO: SHEET:			
N:	Stem, NC - Granville County		CLIENT	USAESCH, Rola		(PM)
PROCE			Weather	Partly Cloudy, 4	5 Deg	
	ESS OR COMPLETED: nd Survey					
1. 1.4	Perimeter Boundary Survey	v				
		and Surveyors perimeter survey completed. Staked	d every 100' and blue	e flagged.		
0	5 (					
	Land Survey	yor has completed grid network installation.		ACREAGE Tota	ıls >>>>	26
1 B	ish Removal					
2. Brt				ACREAGE Tota		18.86
		rs have completed clearance of brush.		MCREATER TOU	113	10.00
		shave completed clearance of brush.				
3. Clo	earance Action / Intrusive Inves	stigation				
0	Lakeview Subdivision and	100 ft buffer (26 acres/ Mag/Dig acres)		ACREAGE Tota	ıls >>>>	26
	Days Intrusive Investigation	on Details:				
4 D:	rital Carabasias Manaina (DC	CM0				
4. D	gital Geophysical Mapping (DC 8 Lakeview Subdivision and 1			ACREAGE Tota	als >>>>	20.59
1.5	Days DGM Details:	100 J. Suffer (20 ucress DOM ucres)				20.37
		89, and 390 were geophysically mapped				
	. <u> </u>					
	I	PARSONS WORKFORCE				JIPMENT
				On-site		USED
	a'. a 'i m	0000 THE 010 CON 0010		₊		
	Site Trailer Phone: 919-620	0-8832. FAX: 919-620-9043.		╉────┤	~	EM61's
Ceo T	'eam A: On-site				2.	EMOIS
	Stedman Yes			4	1	
Eric C				1 1		
		SAESCH REPRESENTATIVE			1	
					1	
					1	
		SUBCONTRACTOR				
		WORK FORCE				
Land	Surveyor Subcontractor -Newc			F	EQUIPMEN	T
Perso	nnel:	On-site	On-site			
	Survey Activities Completed Removal Subcontractor - A-1	Grounds		+		
Perso		On-site	On-site			
		1		1		
	Cutting Activities Completed					
	OE Removal Subcontractor - U					
Perso	nnel: UXO No.	Un-site U.	XO No. On-site	4		
UXO	/ OE Removal Activities Comlet	ted (0 to 6 inches)		+		
0110		H & S Meeting Briefing.	Conversio	ons: 100x100 grid	= .23 acres	
	·	e 9		-		
	TIONAL INFORMATION:					
-		pping of Lakeview. Daily equipment QC te		nod of and it is	liver · · · ·	hono
rarso	ns nas scheduled re-gravelling	ig of Riley driveway for this Friday. Riley's	nave been inforn	neu or gravel del	ivery via p	none message
					-	-
		<u></u> _		·		
_						
_						
		All other site details recorded in fie	eld logbooks.			
ACTI	VITIES SCHEDULED FOR N					
DGM						
DEC	TOT FOR BRC TO CO.					
REQU	JEST FOR PROJECT ACTIO	None.				
VISIT	ORS:					
. 151						
			Bart Hoek	stra		
	ENTS REPORTED TODAY:	0				
	ENTS REPORTED TODAY: ENTS TO DATE:			cstra S I&T REPRESEI	NTATIVE(	S)

0:	742752 Task .07000 (DGM	vI)		DATE/DAY			
				REPORT NO SHEET			
N:	Stem, NC - Granville Cou	nty			USAESCH, Ro	and Belew	(PM)
					Partly Cloudy, 4		
	SS OR COMPLETED:						
1. La	nd Survey						
	Perimeter Boundary Su		ors perimeter survey completed. St	aked every 100' and blu	e flagged		
0	Grid Network Survey (2		ors permieter survey completed. Si	and every 100 and old	e maggea.		
L			pleted grid network installation.		ACREAGE Tot	als >>>>	26
			· · · · ·				
2. Bru	sh Removal						
0	Brush Removed (18 acr	es)			ACREAGE Tot	als >>>>	18.86
	Brush cu	itters have comp	pleted clearance of brush.				
3. Cle	arance Action / Intrusive In Lakeview Subdivision a		fer (26 acres/Mag/Dig acres)		ACREAGE Tot		26
0	Days Intrusive Investig				ACKEAGE TO	uis >>>>	20
	Days Intrusive Investig	ation Details.	•				
4. Di	gital Geophysical Mapping	(DGM)					
1.8	4 Lakeview Subdivision a	nd 100 ft buff	fer (26 acres/ DGM acres)		ACREAGE Tot	als >>>>	22.43
	Days DGM Details:						
	Grids 356, 357, 399, 400	), 419, 420, 42	8, and 429 were geophysically r	napped			
r			WORNBORGE		1	_	
		PARSONS	5 WORKFORCE		<b>A N</b>		UIPMENT
					On-site		USED
	Site Trailer Phone: 919-	(20 9922 EA	V. 010 620 0042				
-	Site Traner Phone. 919-	020-8852. FA	IA. 919-020-9043.			2	EM61's
Geo T	eam A: On-si	ite			1	2	LM01 S
	Stedman Yes				1		
Eric C							-
		USAESCH R	EPRESENTATIVE				
		aupor	NED LOTOD				
			ONTRACTOR RK FORCE				
Land	Surveyor Subcontractor -N				1	EQUIPMEN	T
Persor		On-site	a Surveyors	On-site		LQUII MILI	1
	Survey Activities Completed						
	Removal Subcontractor - A			-			
Persor	nel:	On-site		On-site			
Dauah	Cutting Astivities Completes						
	Cutting Activities Completed OE Removal Subcontractor						
Person		No. On-site		UXO No. On-site			
			n				-
UXO /	OE Removal Activities Con						
	X Mornin	ng H & S Mee	ting Briefing.	Conversio	ons: 100x100 grid	l = .23 acres	s.
	FIONAL INFORMATION		akeview. Daily equipment Q	C tooto conductod			
D	Dila dal	and a large should be all if	for next Monday due to bad w	and the second			
<u>110 g</u>	realing of the farmena f			<u>outron</u>			
-							
			All other site details recorded i	n field logbooks.			
ACTI	VITIES SCHEDULED FO	R NEXT WO					
DGM							
REQU	EST FOR PROJECT ACT	IONNone.					
VISIT	OPS.						
v 151 1	OR5:						
				Bart Hoek	cstra		
ACCID	ENTS REPORTED TODAY:	0		Bart Hoek	stra		
	ENTS REPORTED TODAY: ENTS TO DATE:	0			cstra S I&T REPRESE	NTATIV <u>E</u> (	S)

ю:	742752 Task .07000 (DGM)		DATE/DAY:		
			REPORT NO: SHEET:		
DN:	Stem, NC - Granville County	/	CLIENT:	USAESCH, Rola	
PROGRES	S OR COMPLETED:		Weather:	Partly Cloudy, 4	5 Deg
1. Land					
	Perimeter Boundary Surv	*			
0		Land Surveyors perimeter survey completed. Staked	every 100' and blue	flagged.	
U	Grid Network Survey (26 C	eyor has completed grid network installation.		ACREAGE Tota	als >>>> 26
		yor has completed give network instantation.		including in	20
2. Brush	Removal				
0	Brush Removed (18 acres)			ACREAGE Tota	als >>>> 18.86
	Brush cutte	ers have completed clearance of brush.			
3. Clear	ance Action / Intrusive Invo	estigation			
0	Lakeview Subdivision and	0		ACREAGE Tota	als >>>> 26
	Days Intrusive Investigat	tion Details:			
4 Diai	tal Geophysical Mapping (D	CM)			
0.00		l 100 ft buffer (26 acres/DGM acres)		ACREAGE Tota	als >>>> 22.43
	Days DGM Details:	5 55 ( )			
	Grids 356, 357, 399, 400, 4	419, 420, 428, and 429 were geophysically mapp	ed		
		PARSONS WORKFORCE			EQUIPMENT
		Thisbird world once		On-site	USED
	Site Trailer Phone: 919-62	0-8832. FAX: 919-620-9043.			
ConTra	um A. On site				<u>2 EM61's</u>
Geo Tea Erich St					
Eric Che					
	U	SAESCH REPRESENTATIVE			
-		SUBCONTRACTOR		1 1	
		WORK FORCE			
Land Su Personn	rveyor Subcontractor -New	On-site	On site	E	EQUIPMENT
rersonn	el:	Oli-site	On-site		
Land Su	rvey Activities Completed				
	emoval Subcontractor - A-1				
Personn	el:	On-site	On-site		
Brush C	utting Activities Completed				
	E Removal Subcontractor -				
Personn	el: UXO No	D. On-site	XO No. On-site		
	DE Removal Activities Comle	atad (0 to 6 inches)			
0.407 (		H & S Meeting Briefing.	Conversio	ns: 100x100 grid	= .23 acres.
	g			-	
	IONAL INFORMATION:				
		apping of Lakeview. Daily equipment QC tes scheduled for next Monday due to bad weath			
ite grun	Contract of the state of the st	scheduled for hext monday due to bad weat			
·					
		All other site details recorded in field	ld logbooks.		
ACTIV	TIES SCHEDULED FOR	NEXT WORK DAY:			
DGM					
DGM	ST FOR PROJECT ACTIO	ONNone.			
<u>DGM</u> REQUE		ONNone.			
DGM		DNNone.			
DGM REQUE		ONNone.	Bart Hoek	stra	
DGM REQUE VISITO		DNNone.		<mark>s</mark> tra S I&T REPRESEI	

**APPENDIX I**