00406

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FINAL REPORT

FOR THE

ORDNANCE AND EXPLOSIVES (OE) REMOVAL ACTION AT SENECA DEPOT ACTIVITY 44A

ROMULUS, NEW YORK

Prepared For:
Contracting Agency:
U.S. Army Engineering & Support Center, Huntsville, Alabama

Contract Number: DACA87-97-D-0005
Task Order: 0015

Prepared by:

EODT
EOD TECHNOLOGY, INC.

2229 Old Highway 95
Lenoir City, Tennessee 37771

September 2001

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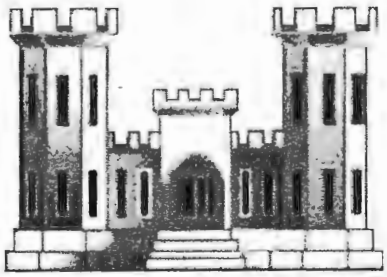

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ACRONYMS AND ABBREVIATIONS

BRAC	Base Realignment And Closure
CEHNC	U.S. Army Engineering and Support Center, Huntsville
EODT	EOD Technology, Inc.
HE	High explosive
MOD 1	Modification 0001
OE	Ordnance and explosives
ORS	Ordnance-related scrap
OSS	On-Site Safety Specialist
PPE	Personal protective equipment
QA	Quality assurance
QC	Quality control
RA	Removal action
SOW	Scope of Work
SSHP	Site Safety and Health Plan
SSO	Site Safety Officer
SUXOS	Senior UXO Supervisor
USACE	U.S. Army Corps of Engineers
UXO	Unexploded ordnance
UXOQCS	Unexploded Ordnance Quality Control Specialist
UXOSO	Unexploded Ordnance Safety Specialist
WP	Work Plan

1 INTRODUCTION

1.1 GOVERNMENT AUTHORIZATION

1.1.1 EOD Technology, Inc. (EODT) under contract to the U.S. Army Engineering and Support Center, Huntsville (CEHNC) performed a removal action (OE REMOVAL ACTION) of ordnance and explosives (OE) at SEAD-44A, Seneca Army Depot located south of Romulus, New York. The location of the site is shown on the map in Figure1-1. Authorization for performance of this OE removal action is contained in Contract DACA87-97-D-0005, Task Order Number 0015 awarded by CEHNC on 28 September 1999.

1.1.2 The Scope of Work (SOW) for Task Order 0015 was issued 28 September 1999, and revised on 11 July 2000. The contractual requirements and agreements for the Task Order are established in the revised SOW presented in Appendix A. The removal action falls under the Defense Environmental Restoration Program-Base Realignment and Closure (DERP–BRAC).

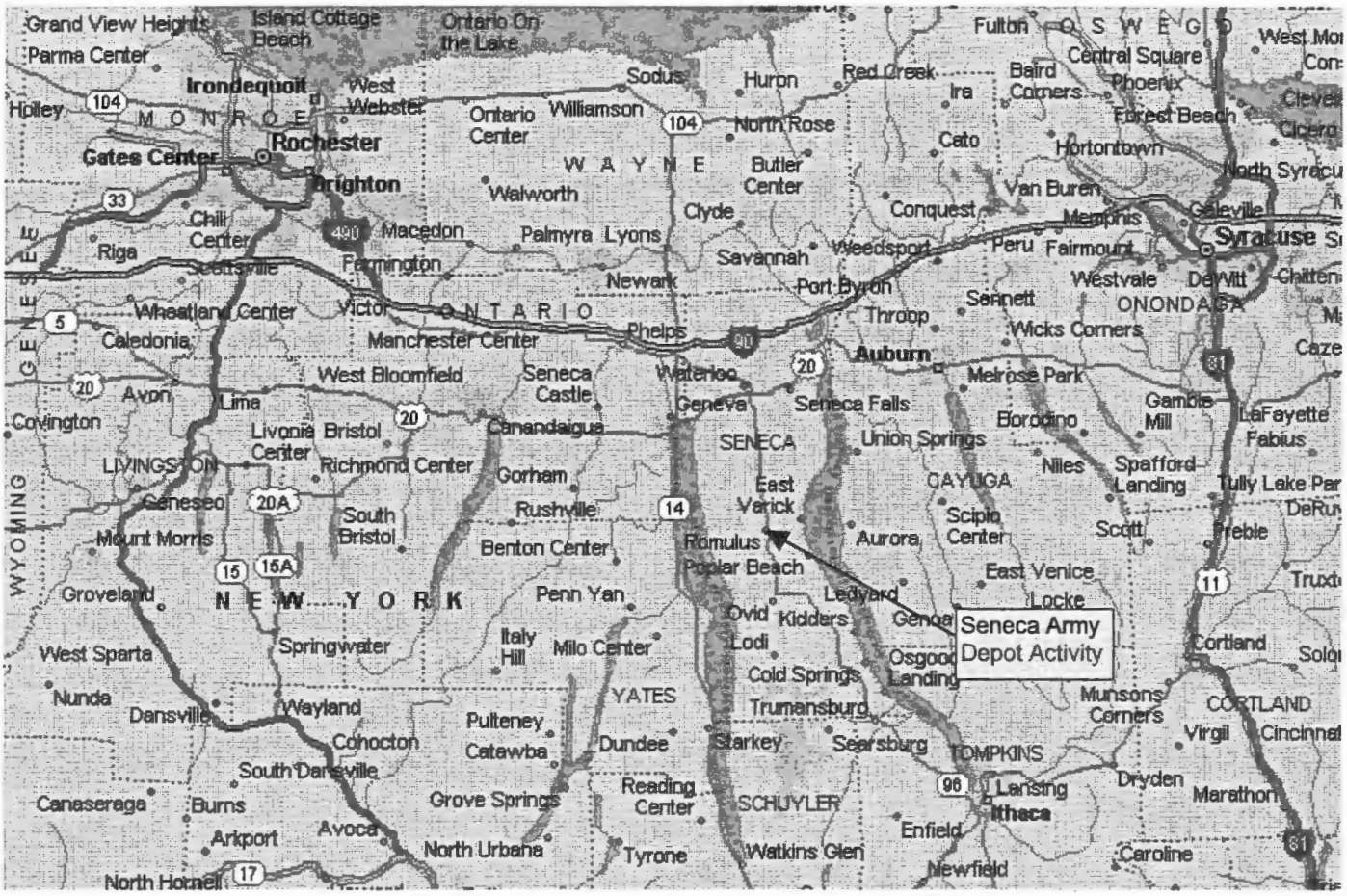
1.2 OBJECTIVE

1.2.1 The objective of the ordnance removal action was to safely locate, identify, and dispose of all surface and near-surface (i.e., within one foot of ground surface) unexploded ordnance (UXO) within a 15-acre area. This task was performed by excavating all soils to a depth of one foot. After survey, the area was determined to be approximately 25 acres total as shown in Table 1-1.

Table 1-1
Remediation Areas
Seneca Army Depot, Romulus, New York

Area	Original Acres	Acres After Survey	Clearance Depth	Suspected Ordnance	Current & Future Land Use
SEAD 44A	15	25	One foot	40mm Grenades	NY State Dept of Corrections
TOTALS	15	25			

FIGURE 1-1
SITE LOCATION MAP
NEW YORK, UNITED STATES, NORTH AMERICA



1.3 PURPOSE

1.3.1 The purpose of the OE REMOVAL ACTION was to enhance public safety and to significantly reduce the risk associated with SEAD-44A at the Seneca Army Depot. The site identified for UXO removal will be transferred to the New York State Department of Corrections, therefore the UXO on this site constituted an imminent risk and endangerment to the State Department of Corrections and the public.

1.4 HISTORY

1.4.1 Since its inception in 1941, SEDA's primary mission has been the receipt, storage, maintenance and supply of conventional and nuclear, military munitions, as well as propellants Another of SEDA's missions was to conduct surety tests of stockpiled munitions through their Quality Assurance Specialist Ammunition Surveillance program. Surplus and off-specification military munitions and explosives were disposed of by open burning (OB) and open detonation (OD), with the former occurring at various places outside the munitions storage area, and the latter conducted at the munitions destruction area located in the Northwestern corner of the SEDA.

1.4.2 The 1995 Base Realignment and Closure (BRAC) commission recommended to Congress that SEDA be closed. This recommendation was approved in October 1995, and the depot was scheduled for closure by July 2001.

1.5 SITE

1.5.1 Site 44A is located approximately 1000 feet east of Brady road and 1500 feet north of South Patrol Road. The roughly 25-acre site is on an unnamed dirt road that runs parallel to South Patrol Road. Berms run along both sides of the dirt road. These berms were known to have contained construction debris and may have contained OE since QA testing was reportedly conducted there. There are no visible signs of any building foundations.

1.5.2 EODT was tasked with executing an OE removal action for the site, defined in the SOW as an action to "remove OE and ordnance related scrap (ORS) to a depth of one foot below ground surface." As shown in Table 1-1, the area cleared is identified as SEAD-44A with a total acreage of approximately 25 acres. Based on historical site knowledge, the suspected ordnance for the clearance was a 40mm grenade.

1.6 TECHNICAL APPROACH

1.6.1 Geophysical mapping using an EM-61 was conducted by EODT in the spring of 1999 under Task Order 15 of Contract DACA87-97D-005. The geophysical mapping was conducted over approximately five acres of the site. The geophysical maps that were produced indicated high concentrations of ferrous and non-ferrous anomalies within the site. During the identification of the anomalies, it was determined that hazardous OE was present at the site. Accordingly, sifting was selected as the preferred OE remediation option.

1.6.2 Before sifting commenced at the 44A site, EODT removed the construction debris present and set it aside.

1.6.3 The project objective was to sift the uppermost foot of soil to remove all OE and ordnance-related scrap. The work was to be conducted contemporaneously with survey activities conducted by another firm not under contract to EODT. EODT therefore subdivided the active work area into three sectors as to be able to maintain safe separation distances to the (non UXO-qualified) survey crew during sifting operations. Free-draining soil stockpiles were formed within each area so that sifting could proceed uninterrupted irrespective of the survey location.

1.6.4 Anomalies were detected visually during the sifting operation. When an ordnance item was expelled from the sifter through the oversize chute, the UXO-qualified observer visually inspected the item. If the item was determined to be safe to move, it was removed from its location and placed in a holding area until it was removed from the site. If the ordnance was determined to be hazardous, it was destroyed in place.

1.6.5 All UXO work was performed by UXO–qualified EODT personnel. Personnel worked in a team and were equipped with hand tools, first aid equipment, personal protective equipment and communications gear. One member of the team was positioned in a protective enclosure, situated to be able to observe the hopper loading area, as well as the over sift chute.

1.6.6 After sifting operations were complete, EODT replaced the sifted soil and recontoured and revegetated the site.

2 DISCUSSION

2.1 FIELD OPERATIONS

2.1.1 EODT performed removal operations utilizing two field teams. The teams of UXO–qualified personnel observed sifting operations conducted by the sub-contractor, Sessler Wrecking. EODT recovered inert ordnance and stored the scrap for disposal. UXO qualified personnel selected by the Senior UXO Supervisor (SUXOS) detonated live ordnance in place.

2.1.2 Field operations were conducted by EODT personnel in the categories shown in Table 2-1.

Table 2-1
Permanent On–Site Personnel

Labor Category	Quantity
Senior UXO Supervisor (SUXOS)	1
UXO Safety Officer (UXOSO)/ UXO Quality Control Specialist (UXOQCS)	1[a]
UXO Tech III	2
UXO Tech II	3
TOTAL	7

[a]The UXOSO and the UXOQCS functions were combined.

2.1.3 The EODT field team visually checked for surface ordnance items. The most prevalent ordnance located in the range impact area was a 40mm practice grenade.

2.1.4 As required by the SOW, a 33.1 in. x 23.4 in. drawing of the property being cleared is included in Appendix B, denoted as SEAD-44A map.

2.2 PREMOBILIZATION

2.2.1 Pre-mobilization was simplified by the shutdown of operations at the Open Burning Grounds (OBG) at Seneca Army Depot (T.O 0003). All OBG personnel were moved to SEDA-44A.

2.3 MOBILIZATION

2.3.1 On 02 October 2000, the main work force traveled to SEAD-44A from the OBG site. Site familiarization and indoctrination briefings took place during that morning. Topics that were covered included company policy, site history, EODT and the Seneca Army Depot history, and current job requirements. Additionally, the WP and Site Safety and Health Plan (SSHP) were reviewed and a safety briefing conducted. The route to the local hospital was explained. Equipment was inventoried, inspected and issued to the field team.

2.4 ORDNANCE REMOVAL

2.4.1 Operations began after the site briefing on 02 October 2000, with the team assisting the subcontractor moving equipment on site. The site was grubbed by the subcontractor using one hydro axe, two loaders, two bulldozers, and an excavator. Due to equipment breakdown, grubbing of the site was not completed until 10 October. The sifter was moved on site from the OBG, but was not put into operation until 16 October, due to site preparation. A second sifter was moved onto the site 19 October.

2.4.2 The subcontractor moved a third sifter onto the site on 25 October. The first two sifters were drum-type machines, prone to clog when soil conditions were wet. The third sifter was a finger-type sifter, reportedly better able to break up and sift wet soil.

2.4.3 During the project, EODT made safe by detonation one (1) live ordnance item.

2.4.5 No damage was done to any utilities or facilities during the conduct of this Task Order.

2.5 DEMOBILIZATION

2.5.1 On 02 November 2000, the main work force demobilized the site.

2.6 OBSTACLES

2.6.1. EODT experienced rain during the initial stages of sifting. The clayey nature of the soil was such that it clogged the screens when moist. EODT had to work the soil piles continuously to ensure they were dry enough to sift.

2.6.2. The confusion over the size of the 44A area resulted in lost production in the northern section. EODT began earthwork in a portion of the project area that turned out not to be in the 15 acres ultimately designated for clearance.

2.6.3. The necessity of working at the same time and place as the non UXO-qualified surveyors reduced sifting efficiencies by decreasing the size of the effective work area.

2.7 ACCOMPLISHMENTS

2.7.1 The total number of acres involved in the removal operation was approximately 25. There were 26 surface and near surface (within one foot of the surface) ordnance items found.

2.7.2 A total of one (1) live OE item was destroyed during clearance/sifting operations on SEAD 44A.

TABLE 2-2
LIVE OE RECOVERED

Description	Quantity
Projectile, 40mm, M407	1
TOTAL MUNITIONS	1

2.7.3 There was one (1) live OE item detonated in place. Appendix E contains the demolition shot records.

2.7.4 EODT recovered 5,440 lbs. of scrap during the clearance/sifting operation. The scrap was turned over to a local scrap dealer.

2.7.5 EODT processed over 18,000 cy of soil during the project.

3 DOCUMENTATION

3.1 WORK PLAN (WP) AND SITE SAFETY AND HEALTH PLAN (SSHP)

3.1.1 The Addendum 3 to the Generic WP for OE operations, at the Seneca Army Depot Activity, Romulus, New York supported actions performed during the removal operation and was submitted in February 2000. The WP, which included the SSHP, provided detailed procedures to be used to protect workers, the general public and the environment during the removal activities. The KO issued EODT a Notice to Proceed on 29 September 2000.

3.2 SUPPORTING INFORMATION

3.2.1 The required supporting information for this clearance/sifting operation is presented in the appendices as listed below.

Government Authorization	Appendix A
SEDA-44A Map	Appendix B
Grid tracking Log	Appendix C
Quality Control and Quality Assurance	Appendix D
Demolition Shot Records	Appendix E
Daily SUXOS Log	Appendix F
Site Photographs	Appendix G
Video Tape (supplied separately)	Appendix H

4 SITE SAFETY

4.1 During on-site operations, the SSHO/QC was primarily responsible for the safety of site personnel, the general public and the environment. However, in agreement with the SSHP, all on-site personnel are tasked with ensuring their personal safety, as well as the safety of their other team members.

4.2 As mandated by its corporate policy, EODT is committed to providing all site personnel with the requisite information and resources needed to ensure site operations are conducted in a manner that protects site personnel from recognized, uncontrolled safety and health hazards. Therefore, during the development of the SSHP, EODT safety and health personnel attempted to anticipate, identify, evaluate and design control measures for the safety and health hazards that could be encountered during sifting operations. Hazard identification and control data presented in the SSHP was disseminated to the site personnel during the initial on-site safety briefing. Additionally, all EODT and U.S. Army Corps of Engineers (USACE) personnel involved in this project were required to read the SSHP prior to involvement in hazardous site activities. Site personnel were then required to sign the SSHP Review and Approval Form, indicating their desire to comply with the safety and health procedures in the SSHP and to exercise reasonable caution at all times. Site personnel were instructed to immediately report to the SSHO/QC any site conditions, which may pose safety or health hazards to site personnel. To minimize the effect and impact of an on-site emergency, contingency plans and response procedures were also designed and presented in the SSHP.

4.3 The levels of personal protective equipment (PPE) and the safe work practices and procedures specified in the project SSHP were based on the best available information from archival research documents, previous site studies, current site data and professional experience. Site personnel, therefore, were cautioned that the requirements of the SSHP represented the minimum health and safety requirements to be observed by all personnel on this project.

4.4 To inform site personnel of the potential on-site hazards, a safety and health briefing was conducted prior to the initiation of hazardous site operations. Additionally, a tailgate safety briefing was conducted by the UXOSO prior to initiation of operations each day. Topics typically addressed in the safety briefings included UXO identification and hazard recognition, task-oriented hazard control procedures, weather conditions and emergency response procedures.

4.5 Additional briefings and training (i.e., equipment operation and demolition operations) were provided by the UXOSO to address task-specific operational procedures and ensure that all team personnel understood the requisite WP procedures and hazard control techniques to be applied.

4.6 To ensure proper documentation of safety and health-related issues relevant to site operations, the SSHO/QC maintained a site safety log. Data pertaining to on-site operations were recorded in this log. The SSHO/QC also maintained the safety and health tracking log and other logs as outlined in the SSHP.

4.7 During the conduct of onsite operations, the SSHO/QC was responsible for conducting safety inspections of the team on a daily basis. During these inspections, the SSHO/QC ensured that the team's work-practices, PPE, equipment and vehicles conformed to applicable safety and health standards as specified in the approved SSHP. The SSHO/QC was also responsible for ensuring the compliance of all demolition operations and was responsible for responding to any accidents, illnesses or injuries that occurred.

4.8 The sifting operation was initiated on 02 October and was ended on 02 November 2000. During this period, EODT personnel worked 1,317 hours in on-site performance of the clearance effort without a lost-time or property damage accident.

5 QUALITY CONTROL AND QUALITY ASSURANCE

5.1 Daily quality control checks were performed by EODT's UXOQCS. All areas were checked by the UXOQCS after clearance. The daily QC routine also included, but was not limited to: inspecting the project field equipment, maintaining administrative records and monitoring all site activities such as search and demolition operations. Documentation of QC activities is contained in Appendix D.

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6 EXPOSURE DATA

6.1 EODT located a total of 26 ordnance items within the approximately 15 acres cleared at the Seneca Army Depot during the sifting operation. Of these ordnance items, one (1) was live and 25 were inert as presented in Table 6-1. Fuzed ordnance was disposed of in place by detonation.

6.2 A total of 5,440 lbs. of scrap was removed from the site as shown in Table 6-2. The types and quantities of materials utilized to accomplish the disposal are listed in Table 6-4. Demolition shot records and explosive receipts are contained in Appendix E.

6.3 The amount of soil screened is listed in Table 6-3.

6.4 Exposure data for this OE Removal Action, summarized in Table 6-5, shows that during the implementation of the OE Removal Action, site vehicles logged 1,557 miles and consumed 329.78 gallons of gasoline. The total number of man hours expended performing field activities was 1,317. The total number of flights and man-hours of flight time is shown in Table 6-6.

Table 6-1
LIVE AND INERT ORDNANCE RECOVERED

Ordnance Condition	Quantity
Live OE Recovered	1
Inert OE Recovered	25
Total OE	26

Table 6-2
SCRAP REMOVAL

Total Scrap
5,440 lbs.

Table 6-3
YARDS OF SOIL SCREENED

Total Yards	18,752
Total % of Projected Soil	75%

Table 6-4
DEMOLITION MATERIALS USED

Type Of Demolition Material	Quantity
Detonators, Non-Electric	14
Detonation cord-100 grain	830
Perforators-19.5 grams	20
Time fuze	500
Fuze igniter	89
Green stick	23
Flex linear	126

Table 6-5
MAN HOURS – MILEAGE – FUEL USAGE

Total man-hours worked on site	1,317
Total motor vehicle mileage	1,557
Total gallons of gasoline consumed	329.78

Table 6-6
FLIGHT DATA

Total Flights	Total Man Hours Of Flight Time
2	10

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7 FINANCIAL BREAKDOWN

7.1 The OE Removal Action was conducted as a Time and Materials activity. As shown in Table 7-1, the total amount funded for the project was $541,704.39.

TABLE 7-1
FINANCIAL BREAKDOWN

	Contr. No. DACA87-97-D-0005 Task Order No: 0015 Prepared By: Phil Curry		**Location:** **Romulus, New York** **Project:** SEAD-44A Seneca Army Depot		
			LABOR HOURS		
SERV CLIN	LABOR CATEGORY	LABOR RATE	TASKS	TOTAL HOURS	COST
0001	Materials				$396,597.93
0002	Travel				$11,912.55
0003	Material Handling Fee				$29,744.84
0100	Fld Office Admin	$30.28	5	190	$5,753.20
	Contract Admin	$39.63		4	$158.52
	Program Admin	$33.99	2,5,8	70.5	$2,396.30
	Word Processor	$30.51	2,4,8	7.5	$228.83
	Program Manager	$95.11	2,5,8	16	$1,521.76
	Project Mgr	$78.51	2,4,5,8	184	$14,445.84
	Geophysicist	$65.94	2	11	$725.34
	Senior UXO Supervisor	$60.74	4,5,6,8	207	$12,573.18
	UXO Supervisor	$50.17	4,5	382	$19,164.94
	UXO Specialist	$44.89	4,5	600	$26,934.00
	Site Sfty & Hlth Officer	$50.17	4,5	98	$4,916.66
	QA Control Specialist	$50.17	4,5	100	$5,017.00
	Certified Ind. Hyg	$73.95	2,5	119	$8,800.05
	Program QA/QC	$73.95	2,5,6,7	11	$813.45
	LABOR W/FEE TOTALS				$103,449.07
TOTAL COST					$541,704.39

8 SUMMARY

8.1 A removal operation was performed by EODT from 02 October 2000, through 02 November 2000. EODT completed the clearance of 75% of approximately 15 acres on 44A at the Seneca Depot Activity.

8.2 EODT recovered and disposed of one live OE item. A total of 26 surface and near-surface (within one foot of the surface) OE items were removed and/or destroyed.

8.3 A total of one live OE item was detonated. In addition to the live item, EODT recovered 25 inert ordnance items and 5,440 lbs. of scrap.

8.4 EODT processed over 18,000 cy of soil during the project.

8.5 EODT executed the SOW without a lost-time or property damage accident.

9 CONCLUSION

9.1 Execution of the project shows that sifting for UXO removal can be accomplished at fairly high throughputs (up to 5,000 cy/day) without compromising safety or quality.

9.2 EODT's project experience is transferable and valuable to the execution of other sifting projects in that many technical and project management obstacles were successfully overcome.

10 RECOMMENDATIONS

10.1 Conduct weekly telephone conference calls among involved parties, specifically including CEHNC and the customer, to provide updates on project status and make collective decisions on how best to handle potential project issues. This is the best way to ensure project information is exchanged regularly and all parties' expectations are set properly.

10.2 Consolidate as much of the site activities as possible under a single contractor. EODT and other UXO firms are trained surveyors, and assigning them the responsibility to do so in mixed (UXO/hazardous waste) contamination sites eliminates a potentially significant scheduling difficulty.

10.3 Establish sifting and hauling contract terms that are expressly clear to all parties. For example, soil units should be expressly defined by dry weight, *in situ* volume, hauled (expanded) volume, or other means. Such contracts should be as simple as possible.

10.4 Allow an expanded and funded period of as much as 30 days at the beginning of field activities to scope the project in a greater level of detail, after which a firm fixed price contract may be possible to execute. In the case of Seneca 44A, this could have eliminated the confusion over the number of acres within the project area.

10.5 Establish full funding or, if the total scope of the project cannot be known in advance, provide as much funding as possible as early as possible. Funding limitations reduce the speed and effectiveness with which such project can be accomplished.

10.6 Stack and rework soil stockpiles to keep them as well drained as possible following rain events.

10.7 Use sifting technology that is less prone to clog formation (e.g., rotating drum type).

11 REFERENCES

11.1 *Work Plan for the OE Removal Action, Seneca Depot Activity-44A, Romulus, New York*, with Addendum 3 prepared for The U.S. Army Engineering and Support Center, Huntsville, Alabama, Contract Number DACA87-97-D-005, Delivery Order Number 0015, EOD Technology, Inc., Lenoir City, Tennessee, February 2000.

APPENDIX A

STATEMENT OF WORK

ORDNANCE AND EXPLOSIVES REMOVAL ACTION

AT THE FORMER QA FUNCTION TEST RANGE (SEAD-44A)

SENECA ARMY DEPOT ACTIVITY

ROMULUS, NEW YORK

25 August 1999

1.0 BACKGROUND AND GENERAL STATEMENT OF WORK: The work required under this Scope of Work (SOW) falls under the Defense Environmental Restoration Program (DERP) - Base Realignment and Closure (BRAC). Ordnance and Explosives (OE) exists on property owned by the Department of Defense (DoD).

1.1 Explosive ordnance is a safety hazard and may constitute an imminent and substantial endangerment to site personnel and the public. During this ~~sampling~~ and OE -removal action, it is the Government's intent that the contractor destroy, by detonation on-site, all, OE encountered. This action will be performed consistent with the Comprehensive Environment Response, Compensation, and Liability Act (CERCLA) and the National Contingency Plan (NCP); therefore, no Federal, State, or Local permits are required for any action tak6hon this site. OE found during execution of this SOW falls under the applicable provisions of 29 CFR 1910.120.

1.2 Due to the inherent risk in this type of operation, the contractor shall be limited to a 40-hour work week (either five 8-hour days or four 10-hour days). Unexploded Ordnance =O) personnel shall not perform OE-related tasks for more than 10 hours per day.

1.3 SEDA is a US Army facility located in Seneca County, New York. SEDA occupies approximately 10,600 acres. It is bounded on the west by State Route 96A and on the east by State Route 96. The cities of Geneva and Rochester are located to the northwest (14 and 50 miles, respectively); Syracuse is 53 miles to the northeast and Ithaca is 31 miles to the south. The

surrounding area is generally used for farming. SEDA was included on the Federal Facilities National Priorities List on 13 July 1989. Consequently, all work to be performed under this contract shall be performed according to the Federal Facilities Agreement in effect for Seneca Army Depot.

1.4 The site of focus in this removal effort is the Former QA Function Test Range and Associated Pits (SEAD-44A). Previous characterization results demonstrated that the area was also used as a practice 40mm. grenade range.

1.5 DEFINITIONS: Definitions of applicable terms are found in Section C, paragraph 2.3, of the Basic Contract.

2.0 OBJECTIVE:

2.1 The Contractor shall perform a Geophysical Test Plot for the purpose of defining the instrumentation required to locate the expected OE and the depths to which location is practical. The effort shall be completed as laid out in this SOW. The Geophysical Test Plot will demonstrate the Contractor's ability to meet a two-foot clearance objective pri6fto the initiation of removal activities.

2.2 The contractor shall perform ordnance removal activities, to include all live and inert ordnance and ordnance-related scrap at the area known as SEAD-44A. Acreage is estimated at **15** acres. The Contractor shall perform a 100% removal to a depth of **one foot**. It is assumed that this is the maximum depth that 40mm. grenades could be expected. However, clearance to depth will be performed in the case of burial pits or trenches, if found. It is also expected that, following completion of this removal action, the site will meet all considerations for unrestricted use and be transferred to the NY State Department of Corrections.

3.0 DESCRIPTION OF SERVICES.

3.1 (TASK 1) PERFORM SITE VISIT: This task will not be exercised for this delivery order.

3.2 (TASK 2) PREPARATION OF WORK PLANS AND COMMUNITY RELATIONS:

3.2.1 The Generic Work Plan prepared under a previous task order shall be used as the basis for work performed under this task order. A Site-Specific Addendum to the Generic Work Plan for Seneca Army Depot will be prepared for this site. The Work Plan shall be prepared in accordance with Section C, paragraph 3.4 and DID: OT-005-01 of the Basic Contract and as discussed below. The Work Plan shall be submitted in hard copy to the addressees indicated in paragraph 4.0 and IAW paragraph 3.2.2 below and paragraph 4.1 of this SOW. In addition, one copy in electronic format on compact disk or 3.5 inch floppy disk (MS Word 6 and Excel 5) of the final work plan shall be submitted to the Huntsville Center along with the final hard copy. The following subplans are not required: Air Monitoring Plan and Chemical Data Acquisition Plan (CDAP). All UXO operations shall comply with *CEHNC Safety Concepts and Basic Considerations for UXO, 16 Feb 1996.*

3 2.2 Hardware and Software Platform and Computer Files. ~~All geophysical data is required to be submitted weekly~~. All ~~other~~ data shall be submitted at the completion of the Project. All final text files generated by the Contractor(s) under this Task Order shall be furnished to the Contracting Officer in Word 6.0 or higher software, IBM PC compatible format. The basic software supported to the field shall be capable of operating on a typical single Intel Pentium processor PC utilizing the Windows NT version 3.51 operating system with a minimum of 32 megabytes of memory and adequate disk storage for project data. All in progress and fielded data, design drawings, survey data, relational databases and related data generated shall be available on line to the government through the use of the Internet connection. Formal submittals shall be in the proper format and media, which will permit their loading, storage, and use without modification or additional software on the CEHNC GIS workstations. The base GIS workstations consist of Intergraph TD-4 Intel dual Pentium GIS machines with 96 megabytes of memory. The workstations run under the Windows NT 3.51 operating system with Microstation utilizing the MGE 6.0 compliment of software and the Oracle 7.1 relational database. Current GIS project related software includes: Microstation 5.0, Oracle 7.1, IRAS B, IRAS C 5.04 and IRAS Engineer, DB Access, MGE Basic Nucleus, MGE Analysis, MGE Map Finisher, MGE Projection Manager, MGE Grid Analysis, MGE Modeler, MGGA, ERMA Data Manager, ERMA Site Geologist, ERMA Groundwater Modeler, Inroads, Insitu, Base and Advanced

Imager and Vistarnap Version 1.0. All GIS data for formal submittals shall be on either eight millimeter NT 10 Gigabyte tape, PC 3.5" floppies or PC CD-ROM. The P **C CD-ROM format** is required for data submission sizes from 2-600 MB supplemented with 10 Gigabyte tape for larger data sets or floppy for small sets.

~~**3.2.3** Geophysical Equipment Plan (GEP)~~

~~**3.2.3.1** The contractor shall prepare and submit a detailed GEP describing the equipment to be employed to perform all necessary operations. Subdivisions within the GEP shall include:~~

~~1 Sensors: such as, type of sensor and configuration~~

~~2 Sensor Mobility: such as, type of mobility (e.g. man portable, vehicle towed), speed, special considerations,~~

~~3 Data Storage: such as, sensor internal storage, external storage and any special data transfer requirements shall be addressed.~~

~~**3.2.3.2** Prepare Geophysical Test Plot SubPlan~~

~~**3.2.3.2.1** General. The project will require a site specific test plot for the purpose of evaluating geophysical instruments and developing the standard response for the selected instrument(s), instrument configuration, and techniques. The Contractor shall test proposed instrumentation against a minimum of ten items (or simulates) of each type of OE expected. Multiple items shall be located at multiple depths between six inches and two feet below ground surface (bgs) and at various orientations and locations along the path of a grid lane. The Contractor shall use both digital and non-digital instruments to determine the ability of each to locate OE under the required conditions. This plot shall be used to determine the adequacy of proposed geophysical instruments to meet project objectives. This plot will then serve as the geophysical instrument standard response test plot. The site-specific test plot shall be geophysically mapped in the same detail and with the same procedures as planned for the remaining project area. The allowable tolerance for both flagging and electronic positional accuracy shall be established and confirmed using locating techniques to be employed during the project geophysical survey. Methods of measuring standard instrument response(s) and the standard response of each instrument shall be established.~~

~~**3.2.3.2.2** Instrument Evaluation. Only instruments and configurations that have a demonstrated performance at locations similar to this project shall be proposed. This project is not intended as a demonstration of promising technology. Unproven technology or configurations will not be approved.~~

3.2.4 Detection and Disposal Techniques.

3.2.4.1 In the Work Plan, the Contractor shall describe the techniques to be used to detect and destroy OE.

3.2.4.2 The contractor shall describe the methods of denying unrelated personnel access to the exclusion area. The exclusion area will be determined for the site by utilizing the procedures in OE Center of Expertise (CX) Policy Document 98-08. These distances will be calculated by CEHNC-ED-CS-S Branch.

3.2.4.3 The contractor shall summarize EOD and contractor support. The Contractor shall furnish resumes of contractor's project manager and key personnel.

3.2.5 *Safety and Health Plans.*

3.2.5.1 Site-specific Safety and Health Plan (SSHP). The Contractor shall submit a Site-specific Safety and Health Plan (SSHP) IAW Section 5.0 of this Statement of Work
Additionally, the plan shall contain Huntsville COE's UXO. Safety Standards and Procedures.

3.2.5.2 A Hazardous Communications Plan, to include Material Safety Data Sheets (MSDS) for identified hazards. An Activity Hazard Analysis sheet shall bepreparedfor each activity identified aspotentially hazardous.

3.2.6 Environmental Protection Plan. A site specific Environmental Protection Plan shall include coordination with the Federal, State and local environmental agencies. All known endangered/threatened species, archaeological sites, wetland and other environmental resources associated with the SEAD-44 site must also be included in this plan. The New York District POC

for cultural resource matters at SEDA is Mr. Tom Enroth at 607-869-1544. All of the above requirements must be coordinated through him.

3.2.7 Community Relations.

3.2.7.1 The contractor, if requested, shall assist in conducting public meetings and a Media Day to inform the public of the purpose of the project, in accordance' with Section C, paragraphs 3.6 and 4.0 and DID: OT-045 of the Basic Contract. The Media Day activities will take place during the OE removal action phase and will include a demonstration of the procedures used to locate, investigate, identify, remove, and/or detonate in place a LTXO item or fragment. The media will be invited to video tape the demonstration.

3.2.7.2 All press releases and media appearances shall be coordinated with. t he CEHNC PAO and approved by the SEDA Public Affairs Office (PAO) and the U.S. Army Corps of Engineers, New York District (CENAN) PAO.

~~**3.3 (TASK 3) GEOPHYSICAL TEST PLOT.**~~

~~3.3.1 General. The contractor shall provide the equipment and personnel required to conduct the Geophysical Test Plot as described in the Geophysical Test Plot SubPlan prior to the beginning the actual field work. Upon successful demonstration of the equipment recommended by the contractor in the Work Plans, the contractor shall be given authorization to proceed with the remainder of the field work as proposed. In the event that the contractor fails to demonstrate that the recommended equipment is sufficient for the requirements of this project, the contractor shall be required to revise the Geophysical Equipment Plan to propose different technology and to repeat the Geophysical Test Plot to demonstrate the successful use of the proposed equipment. Any costs associated with a failure of the contractor's proposed equipment (e.g., subsequent Work Plan revisions, additional Test Plot demonstrations and the associated mobilization/demobilization costs) will be at the contractor's expense.~~

~~**3.3.2** Magnetometers. The target ordnance for magnetometers will be an inert 40mm grenade (or equivalent) to a depth of two feet.~~

~~**3.3.3** Non-ferrous Detectors. The target ordnance for the non-ferrous detectors shall be a non-ferrous, inert 40mm projectile (or equivalent) to a depth of 2 feet.~~

~~**3.3.4** Qualifications. The geophysical investigations performed by the Contractor shall be managed by a qualified geophysicist (i.e., an individual with a degree in geophysics, geology, geological engineering, or closely related field, and who has a minimum of 5 years of directly related geophysical experience).~~

3.4 (TASK 4) LOCATION SURVEYING AND MAPPING. All UXO mapping and GIS documentation shall be located in New York State Plane coordinates, NAD 83. Electronic copies of the final mapping and survey data shall be submitted to Huntsville Center IAW paragraph 3.2.2.

3.4.1 Surveying. The contractor shall perform all location surveys and mapping required to establish grid corners (to within one foot accuracy) for all grids and areas to be investigated and cleared under this SOW. Two concrete monuments shall be set within the working boundaries of the project site which are line of site divisible and not within **975** feet of one another. The specification stated in DID OT-***005-07*** of the Basic Contract shall be followed for installation of monuments and the accuracy's required. These monuments shall be shown on the mapping required in paragraph 3.4.3, below. UXO safety requirements are detailed in DID OT-***005-07*** of the Basic Contract and any decision to relax UXO safety requirements shall be made jointly by the SSHO and the USACE on-site Safety Specialist. Grid corners shall be located using precision surveying methods. Each corner of each grid area shall be located by establishing the appropriate state plane grid system to the closest 1foot and shall be both tabulated and shown on maps of the site. Other coordinate systems and accuracy specifications are not acceptable and shall not be used. The contractor shall mark and survey the corners of the designated grids with stakes or other visible temporary markers. The depth below ground of all UX0 shall be measured.

3.4.3 The contractor shall provide planimetric maps for the areas required for this SOW. These base maps may be scanned or digitized from USGS Quad sheets or other site planimetric maps which may be available from local sources. These base maps will be provided in DGN or TIF

format to meet the requirements mentioned in Paragraph 3.2.2 above. These base files shall be used and referenced in the development of detail grid files for preliminary and final submittal.

~~**3.4.4** Test Grid Survey. Survey control establishing the corners of the test grid will be provided to the contractor in State Grid Plane Coordinates. The corners of the investigative grid will be located in the field to the closest 0.10 ft and marked with an 18 inch-24 inch iron pipe or rebar driven into the ground with a two inch - six inch stick-up aboveground and witness stakes. Internal lane corners shall be marked with a wooden hub and tack driven flush with the ground. The above ground stick-up shall be painted with a high visibility orange or pink paint. These established corners shall be used as the basis for documenting seeded item locations. All seeded items shall be located to the closest 0. 10 ft with their State Grid Plane Coordinates calculated and tabulated on the drawings and into an Excel spreadsheet.~~

3.4.5 Items and data to be submitted to CEHNC as part of the tasks are as follows:

3.4.5.1 A tabulated list of the respective grid corners for all grids being sampled

3.4.5.2 An electronic and hard copy of all drawing files and reference files used for and developed as part of this removal action. These files shall meet the following requirements:

3.4.5.2.1 Each sheet shall also have a standard border, revision block, title block, complete index sheet layout, bar scale, legend, metric grid lines, grid tick layout, a magnetic north, a grid north, and a true north arrow, and be plotted at a horizontal scale of 1:2,400.

3.4.5.2.2 The Government shall be provided with a copy of the design files on 8 mm 5.0 or 10.0 gigabyte magnetic tapes, 3 1/2" HD floppy disks, or approved CD ROM format. The CD ROMs are preferred. The data to be submitted shall contain the final, corrected version of the design file. The tapes or disks shall be labeled, showing the project name, project number, date, company, name, address and telephone number, and the number of files. Two copies of these tapes or disks shall be provided, in final form within 30 days of completion of field work. One copy shall be delivered to the project manager and one to CEHNC-ED-CS-D for format, completion and compatibility check. This is a separate requirement for submittals from the reports required in paragraph 4.0.

3.5 (TASK 5) PERFORM OE REMOVAL.

3.5.1 The Contractor shall provide all the necessary equipment and personnel, to remove and dispose of OE contamination encountered. The Contractor shall be prepared to 'Conduct removal operations to a depth of **1 foot**. With prior approval from CEHNC, the contractor may be required to investigate anomalies deeper than **1 foot.** For instance, clearance to depth will be performed in the case of burial pits or trenches, if found. The area of concern is approximately **15** acres. The removal methodology shall be outlined in the Work Plan. The O.E. removal action shall be planned and executed to result in optimum removal effectiveness. ~~The grids shall be 100' x 100'.~~

3.5.2

3.5.2.1 The Contractor shall perform the required clearance by excavating all soils to a depth of one foot. However, pits and trenches that are located shall be excavated as well.

3.5.2.2 All excavated soi8ls shall be sifted for the purpose of removing OE and scrap (both OE-related and non OE-related) from the soils. The Contractor shall assume that 25,000 cubic yards of soil will be excavated and sifted. Sifting shall be performed using a Trommel Screen or its equivalent.

3.5.2.3 Interim payments shall be based upon the amount of sifted soil moved to adjacent temporary stockpiles. Interim quantity calculations shall be based upon the number of truckloads of soil removed from the site and a fluff (volumetric increase) factor of 20%.

3.5.2.4 Final payments will be made for in-place quantities, only, as determined by "before" and "after" surveys to be completed under Task 4, above. The overall effort shall include the re-placement of excavated, sifted and temporarily stockpiled soils in the excavated area and the re-establishment of vegetation to pre-existing conditions. The re-placement shall follow a final geophysical mapping effort to confirm that all OE has been removed.

3.5.3 All equipment to be used shall be proposed and justified in the Work Plan. ~~The approved geophysical instruments shall be man-portable~~. Navigation and instrument position shall be based on the established grid comer points and monuments. ~~This field data shall be checked, corrected and processed into ASCII files in the ADF file format. Corrections such as for navigation, instrument bias, and diurnal magnetic shift shall be applied but there shall be no filtering or normalization of data. All corrections shall be documented. The data shall be presented in delineated fields as x, y, and z where x and y are State Plane Grid Coordinates in East and North and z is the instrument reading. Where there are multiple instrument values such as with the EM instrument, then the channels shall be provided in separate ADF files. The data shall be provided in processing block files that approximates a ground area of 100' by 100'. This digital data, including initial threshold analysis, shall be provided to the Government by Internet connection to the CEHNC server in a time frame appropriate for the project and determined during Task Order negotiations. Post processed and analyzed data shall be accompanied by a Microsoft Word 6.0 file that documents the field activities associated with the data and the processing performed.~~ Additional data such as scanned photos, or annotated CADD and mapping data shall be provided to accurately document field activities. The location of the day's work shall be represented either by outlining the limits on a coincident CADD file representing the area or by a scanned hard copy map. An archive copy on PC-CD ROM format shall be provided to CEHNC with receipt within 7 calendar days from completion of the previous week's survey.

3.5.4 ~~Field instrumentation shall be tested for a standard response not less than, twice daily and prior to beginning the geophysical survey of each grid to ensure proper operation. The newly constructed Geophysical Test Plot shall be used. Instrument responses shall be measured and recorded at each field test. The distance of the one inch iron sphere and the iron cylinder from the instrument shall be determined during the Test/Calibration Plot. The iron cylinder shall be measured in each of the three mutually orthogonal orientations. If there is a variance from the instrument's standard signal during the daily check, it shall be repaired or replaced~~.

3.5.5 The Contractor shall maintain a detailed accounting of all materials encountered during the ~~geophysical mapping and~~ OE Removal. This accounting shall include the amounts of OE, their

identification/condition and disposition. The accounting shall include all non OE-related debris that is present.

3.5.5.1 An accountability system shall be used to account for all demolition materials expended in the disposal of OE.

3.5.5.2 If a scenario is encountered that precludes detonating an OE on site (i.e., an unidentifiable OE is found, or a suspected toxic chemical munition is found) the on-site USAESCH Safety Specialist shall be notified, who in turn will request EOD Support.

3.5.5.3 The Contractor shall plan to ***provide storage facilities for*** demolition materials used for the disposal of OE items. This shall be outlined in the Work Plan.

3.5.5.4 All detonations/access holes shall be backfilled.

3.6 (TASK 6) TURN-IN OF RECOVERED INERT OE AND OF, RELATED SCRAP:

3.6.1 The contractor shall furnish all necessary personnel and equipment to turn-in all recovered inert ordnance items and OE related scrap that has at least one dimension greater than ***2 inches*** in size. The methodology to accomplish this task shall be proposed in the Work Plan. Regardless of size, the Contractor shall remove all inert 40mm and other OE (practice or otherwise inerted).

3.6.2 Inert ordnance items shall be vented 1AW Safety Concepts and Basic Considerations prior to turn-in.

3.6.3 Prior to certification of the OE related scrap, the scrap shall be processed in accordance with paragraph 3.9.3, UXO Related Material, of the current OE Work Plan for this site.

3.6.4 Under the direction of the Contracting Officer, the contractor shall complete a DD Form 1348-1 and/or local form required by a local scrap dealer. The contractor shall prepare, and the Senior UXO Supervisor shall sign a certificate as follows:

"I certify that the property listed hereon has been inspected by me and, to the best of my knowledge and belief, contains no items of a dangerous nature."

3.6.5 Disposal documentation receipts shall be submitted as a component of the Removal Report.

3.6.6 The -contractor shall arrange in advance for a local scrap contractor to remove the scrap. The local scrap dealer shall be identified in the Work Plan. This removal shall be done at no cost to the Government.

3.7 (TASK 7) PERFORM QUALITY CONTROL:

3.7.1 The contractor shall furnish the necessary personnel and equipment to administer a Quality Control (QC) Program in accordance with DID: OT-005-11 of the Basic Contract, to manage, control, and document contractor and subcontractor activities. The methodology to accomplish this task shall be proposed in the Work Plan. The QC activities shall be documented and included in the Removal Report.

~~**3.7.2** The grid shall fail Government Quality Assurance (QA) if, during the , QA inspection:~~

~~a. A live (hazardous) OE item is found, or~~

~~b. More than three OE scrap items, as described in paragraph 3.6.1 above, are located, or~~

~~c. An inert OE item which resembles a UXO is f6und. An example is a ***40mm practice grenade which may have no hazard, but which*** should have been found since it is a target item.~~

3.8 (TASK 8) PREPARE AND SUBMIT DRAFT and FINAL REPORT: At the conclusion of all field activities, the contractor shall submit a Draft Report for review and approval and the Final Report in accordance with Section C, paragraph 3.7 and DID OT-030 of the Basic Contract. The Contractor shall submit one copy of the final report in electronic format, on compact disk or 3.5 inch floppy disk (MS Word 6 and Excel 5), to the Huntsville Center along with the final hard copy. In addition, the following information shall be submitted:

3.8.1 All original surveying and mapping from Task 4 and Task 5 to include complete geophysical mapping and GIS data.

3.8.2 A system of daily journals of all activities associated with this SOW. A daily journal for the site shall be opened upon first arrival for field operations and closed after contractor demobilization at the project site.

3.8.3 A recapitulation of exposure data. This shall include total number of man-hours worked on-site and total motor vehicle mileage, total number o personnel flying hours, and number of flights.

3.8.4 Scrap turn-in documentation.

3.8.5 A minimum of 20 color photographs of overall project operations. Additionally, the Contractor shall take pictures of the individual types of OE found ***and provide project video as required in DID OT-030.*** Two copies of the photographs shall be provided to the Huntsville Center, COE, ATTN: Fred Wissel.

3.8.6 A financial breakdown by area and tasks of all costs and labor hours used to perform this SOW.

3.8.7 A written record of all endangered or threatened plants, animals or non-OE items destroyed during the OE removal activities on-site. The contractor shall include all restoration efforts.

3.9 CONTRACTOR QUALIFICATIONS: The contractor shall furnish a staff that is qualified through education, training, and pertinent experience that shall accomplish the objectives and tasks of this SOW IAW Section C, paragraph 3.8 and DID: OT-025 of the Basic Contract. The resumes shall be included in the Work Plan for approval by the Contracting Officer. If UXO personnel are substituted at the project site, their resumes shall be approved by the Contracting Officer prior to their movement to the site.

3.9.1 Training and medical screening IAW 29 CFR 1910.120(e) is required for this project. Annual physicals shall be accomplished prior to arrival on-site.

4.0. SUBMITTALS: The contractor shall furnish copies of the plans and reports to each addressee listed below in the quantities indicated. The contractor shall use express mail services

for delivering these plans and reports. Following each submission, comments generated as a result of their review shall be incorporated.

ADDRESSEE	COPIES
US Army Engineering and Support Center, Huntsville ATTN: CEHNC-OE-DC (**Maj. David Sheets**) 4820 University Square Huntsville, Alabama 35807-4301 (256) 895-1353	4
Commander Seneca Army Depot Activity ATTN: Engineering and Environmental Office (Mr. Absolom) 5786 State Route 96, Romulus, New York, 14541-5001 (607) 869-1309	10
COMMANDER 52nd Explosive Ordnance Disposal (EOD) Group Building 736, Fort Gillem Forest Park, Georgia 30050-5000	1
US Army Corps of Engineers Seneca Office for Project Management Seneca ADA ATTN: Mr. R. Battaglia (Bld. 115) 5786 State Route 96 Romulus, New York 14541-5001	2
Rick Sprague/Mark Bellis	1
IOC - Randy Nida	1
AEC - John Buck	1

4.13 Schedule and Submittals. The A-E shall submit all deliverable data to the Contract Officer and other reviewers shown in Paragraph 4.12 in accordance with the following schedule. All submittals shall be delivered to all addressees no later than the close of business on the day indicated in this paragraph. In addition, submittals to regulatory reviewers shall be shipped by registered mail or other method where a signed receipt in obtained indicating the date received and the individual accepting the submittal.

DOCUMENT	DATE DUE
General Requirements	
Assumed Notice To Proceed	29 Sep 99
~~Draft Geophysical Test Plot Plan~~	~~6 Oct 99~~
~~A-E Receive Comments from Govt.~~	~~8 Oct 99~~
~~Final Geophysical Test Plot Plan~~	~~10 Oct 99~~
~~Completion of Geophysical Test Plot~~	~~24 Oct 99~~
Draft Removal Work Plan	10 Oct 99
A-E Receive Comments from Govt.	24 Oct 99
Final Removal Work Plan	31 Oct 99
A-E Receive Approval to Begin Field Work	1 Nov 99
OE Removal	
Mobilization	14 Aug 00
Draft Removal Report	21 Nov 00
A-E Receive Comments from Govt.	15 Dec 00
Final Removal Report	15 Jan 01
Additional General Requirements	
Monthly Report	NLT 10th of following month
Minutes of Meetings	NLT 10 days after each Meeting

The overall completion date of this delivery order is 31 Dec ember 200 1.

4.1 Submittals and Due Dates:

DATA ITE	SUBMITTAL	DUE DATES
OT-005	Draft Work Plan Revisions	15 days after Delivery Order
OT-005	Final Work Plan Revisions with electronic file	10 days after receipt of comments
OT-030	Draft Report	30 days after completion of field work
OT-030	Final Report with electronic file	21 days after receipt of comments

5.0 SAFETY AND HEALTH PROGRAM

The A-E shall develop and maintain a Health and Safety Program (HSP) in compliance with the award requirements of OSHA standards 29CFRI910.120(b)(1) through (b) (4). The A-E shall provide written certification the HSP has been submitted to the CO and make the HSP available upon request by the Government. The SSHP required by 29CFRI910.120(b)/29CFR1926.65(b)(4), shall be prepared and submitted with the Work Plan for approval. Required topics which are not applicable to this site shall be listed as being considered and not applicable. On-site activities shall not commence until the plan has been reviewed and accepted. The A-E's Site Safety and Health Officer (SSHO) shall have the training, knowledge and experience necessary to implement the SSHP and have the same minimum qualifications as an UXO Supervisor.

6.0 PUBLIC AFFAIRS: The contractor shall conduct Public Affairs activities in accordance with Section C, paragraph 4.0 of the Basic Contract. All agencies and/or individuals requesting information concerning the conduct of operations at the project site shall be referred to the PAO, Seneca ADA, U.S. Army Engineer District, New York, PAO and the CEHNC POA.

7.0 REFERENCES: In addition to references listed below, ***those cited in the Basic Contract apply***:

7.1 AR 200-1, Environmental Protection and Enhancement.

7.2 AR 385-40 with USACE Supplement.

7.3 Final Archive Search Report, dated December 1998.

7.4 SWMU Classification Study, Seneca ADA, September 1994.

7.5 DID otOO5-01 Removal Action Work Plan

7.6 DID otOO5-02 Technical Management Plan

7.7 DID otOO5-03 Explosives Management Plan

7.8 DID otOO5-04 Explosives Siting Plan

7.9 DID ot005-05 Geophysical Investigation Plan

7.10 DID ot005-06- Site Safety and Health Plan

7.11 DID ot005-07 Location Surveys and Mapping Plan

7.12 DID ot005-08 Work, Data, and Cost Management Plan

7.13 DID otOO5-09 Property Management Plan

7.14 DID ot005-10 Sampling and Analysis Plan

7.15 DID ot005-11 Quality Control Plan

7.16 DID ot005-12 Environmental Protection Plan

7.17 DID ot005-13 Investigation Derived Waste Plan

7.18 DID ot005-15 Accident reports

7.19 DID otOO5-025 Personnel and Work Standards

7.20 DID ot005-030 Site Specific Removal Report

7.21 DID ot005-040 Disposal Feasibility Letter Report

7.22 DID otOO5-045 Report

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

REPLY TO ATTENTION OF:

29 September 2000

Design Center for
Ordnance and Explosives Directorate (200-1c)

SUBJECT: Reference Contract number DACA87-97-D-0005 Task Order 0003, for Ordnance and Explosives (OE) operations at Seneca Army Depot, Romulus, New York

Mr. Matt Kaye
Contract Administrator
EOD Technology, Incorporated
P.O. Box 24173
Knoxville, Tennessee 37933-2173

Dear Mr. Kaye:

You are authorized to mobilize at the Former QA Function Test Range (SEAD – 44A) on Monday, October 2, 2000, to begin field work, using current funds from your time and materials (T&M) task order with CEHNC, dated September 28, 1999. Per conversations between Phil Curry, EODT Project Manager, and MAJ David Sheets, CEHNC Project Manager, there is at least $480,000 of the $498,031.69 available remaining on this task order as of September 27, 2000. If that amount is in error, do not start work until this is resolved.

It is the government's intention to convert the time and materials (T&M) task order to a firm, fixed price (FFP) task order as soon as funds are available to fund the total effort. We have received EODT letter number 1101-0015-005, dated September 22, 2000, stating EODT's FFP proposal of $699,000. We believe that with a few modifications to the scope and/or to your proposal, we can negotiate an FFP that is fair to both parties. Further, per FAR 15.403-4 (b) EODT is required to submit its cost/price data in support of your proposal. Please provide the data for immediate review, along with the certificate of current cost or pricing data as prescribed in FAR 15.406-2.

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, (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 questions contact MAJ David Sheets, (256) 895-1353, or Mr. Kevin Healy at (256) 895-1627.

Sincerely,

Lydia Tadesse

Lydia Tadesse
Contracting Officer

APPENDIX B

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
984763.307	753580.842	647.043	1
984762.865	753580.803	647.017	2
984762.881	753580.834	647.062	3
984763.042	753580.689	647.066	4
984764.144	753580.231	647.808	5
984766.235	753580.019	647.946	6
984768.046	753579.744	648.126	7
984770.013	753579.545	648.499	8
984772.394	753579.114	648.520	9
984774.903	753578.371	648.158	10
984777.101	753577.534	648.022	11
984779.845	753576.444	648.440	12
984783.363	753576.212	648.515	13
984786.649	753576.207	647.724	14
984790.256	753576.523	647.628	15
984793.960	753577.356	647.620	16
984797.451	753577.244	647.720	17
984801.134	753577.112	647.488	18
984804.860	753577.154	647.608	19
984808.544	753577.484	647.705	20
984811.846	753577.043	647.495	21
984815.036	753576.547	647.518	22
984818.614	753576.392	647.391	23
984822.240	753576.695	647.498	24
984826.300	753576.749	647.318	25
984830.402	753576.871	647.475	26
984834.341	753576.305	647.319	27
984838.197	753576.168	647.253	28
984841.848	753576.322	647.247	29
984845.318	753576.002	647.420	30
984849.345	753575.570	647.452	31
984856.592	753575.450	647.550	32
984860.203	753575.248	647.568	33
984863.366	753574.752	647.560	34
984866.596	753574.622	647.652	35
984870.081	753574.300	647.708	36
984873.384	753574.217	647.740	37
984876.841	753573.957	647.746	38
984880.344	753573.757	647.910	39

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
984884.067	753573.387	647.736	40
984887.790	753573.325	647.973	41
984891.521	753573.030	647.877	42
984895.171	753572.912	648.007	43
984898.645	753572.688	648.033	44
984902.210	753572.554	648.047	45
984909.220	753571.970	647.745	46
984912.835	753571.957	647.918	47
984916.473	753572.046	647.786	48
984920.286	753572.353	647.814	49
984923.843	753572.307	647.632	50
984927.381	753572.210	647.694	51
984931.048	753571.902	647.463	52
984934.653	753571.585	647.545	53
984938.156	753571.343	647.217	54
984941.796	753571.432	647.198	55
984945.538	753571.237	646.994	56
984948.828	753570.875	646.965	57
984952.241	753570.371	646.775	58
984955.356	753570.166	646.870	59
984962.095	753569.765	646.888	60
984965.442	753569.410	647.178	61
984968.978	753569.256	647.059	62
984972.219	753569.188	646.923	63
984975.768	753569.138	646.902	64
984979.069	753568.908	646.902	65
984982.577	753568.830	646.888	66
984986.242	753568.669	646.719	67
984989.785	753568.414	646.752	68
984993.097	753567.897	646.764	69
984996.677	753567.912	646.791	70
985000.177	753568.003	646.499	71
985003.523	753567.769	646.670	72
985013.310	753566.651	646.473	73
985016.541	753566.698	646.548	74
985019.585	753566.362	646.400	75
985022.777	753565.482	646.106	76
985026.072	753564.355	646.113	77
985029.234	753564.266	646.060	78

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985032.656	753564.135	645.912	79
985035.886	753564.340	645.583	80
985039.413	753564.302	645.224	81
985043.573	753564.155	645.801	82
985045.981	753564.728	645.990	83
985048.765	753565.437	646.019	84
985051.627	753565.714	645.878	85
985054.992	753565.973	645.938	86
985061.758	753565.707	645.917	87
985065.372	753565.633	645.671	88
985068.594	753565.714	645.715	89
985071.717	753565.458	645.477	90
985075.266	753564.980	645.480	91
985078.996	753564.807	645.291	92
985082.490	753564.624	645.391	93
985086.150	753564.359	645.414	94
985089.445	753564.159	645.479	95
985093.151	753563.932	645.364	96
985096.621	753563.680	645.318	97
985100.111	753563.466	645.259	98
985103.545	753563.211	645.417	99
985106.986	753562.931	645.359	100
985114.605	753562.129	645.122	101
985118.312	753561.952	644.845	102
985121.861	753562.317	644.966	103
985125.390	753562.753	644.696	104
985128.949	753562.938	644.947	105
985132.411	753562.577	644.961	106
985136.324	753562.052	645.113	107
985139.763	753561.971	645.328	108
985143.666	753561.813	645.269	109
985147.370	753561.573	645.571	110
985151.218	753561.235	645.425	111
985155.217	753560.866	645.605	112
985159.228	753560.597	645.662	113
985162.983	753560.352	645.646	114
985166.732	753560.153	645.791	115
985173.983	753559.943	645.874	116
985177.517	753559.568	646.114	117

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985181.177	753559.601	645.932	118
985184.892	753559.721	646.001	119
985188.624	753559.546	645.861	120
985192.308	753559.140	645.869	121
985195.914	753559.035	646.081	122
985199.580	753559.250	645.871	123
985203.259	753559.059	645.853	124
985211.158	753558.932	645.533	125
985215.236	753558.518	645.785	126
985219.125	753558.312	645.645	127
985222.837	753558.044	645.640	128
985226.444	753557.991	645.590	129
985234.492	753557.387	645.107	130
985238.431	753556.845	645.032	131
985242.226	753556.607	644.768	132
985246.407	753556.788	644.880	133
985250.504	753556.670	644.730	134
985259.032	753556.095	644.645	135
985262.623	753555.764	644.671	136
985266.358	753555.767	644.679	137
985270.272	753555.376	644.601	138
985274.045	753555.166	644.579	139
985277.784	753554.951	644.556	140
985281.594	753554.978	644.531	141
985285.154	753554.779	644.567	142
985292.692	753554.329	644.676	143
985296.170	753553.926	644.470	144
985299.898	753553.569	644.370	145
985304.044	753553.128	644.339	146
985307.644	753552.746	644.171	147
985311.362	753552.790	644.062	148
985315.067	753552.813	644.135	149
985318.320	753552.690	644.123	150
985321.948	753552.282	644.244	151
985325.469	753552.138	644.196	152
985329.636	753552.438	644.094	153
985333.806	753552.645	644.176	154
985337.507	753552.180	644.055	155
985341.455	753552.094	644.312	156

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985349.542	753551.786	644.174	157
985353.316	753551.383	644.336	158
985361.264	753550.198	644.378	159
985365.702	753549.841	644.471	160
985369.757	753549.746	644.240	161
985373.941	753549.584	644.366	162
985377.658	753549.587	644.345	163
985381.706	753549.549	644.288	164
985385.435	753549.075	644.525	165
985389.339	753549.202	644.608	166
985393.157	753549.369	644.495	167
985397.074	753549.126	644.529	168
985401.244	753549.016	644.380	169
985408.958	753548.126	644.511	170
985412.671	753548.058	644.483	171
985416.356	753547.819	644.501	172
985419.925	753547.623	644.273	173
985423.852	753547.525	644.395	174
985431.585	753547.509	644.392	175
985435.498	753547.397	644.271	176
985439.337	753547.004	644.490	177
985443.296	753546.917	644.446	178
985451.453	753546.608	644.429	179
985455.399	753546.040	644.399	180
985459.415	753545.922	644.476	181
985467.159	753545.392	644.232	182
985471.227	753545.383	644.439	183
985475.200	753545.200	644.232	184
985478.813	753544.960	644.311	185
985482.640	753544.782	644.274	186
985486.724	753544.383	644.252	187
985490.579	753544.347	644.445	188
985494.451	753544.008	644.213	189
985498.135	753543.579	644.435	190
985501.984	753543.260	644.345	191
985505.936	753543.170	644.300	192
985509.962	753543.128	644.133	193
985513.912	753543.247	644.003	194
985517.852	753543.152	644.053	195

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985521.889	753542.781	643.778	196
985525.485	753542.788	643.819	197
985529.357	753542.913	643.760	198
985533.108	753542.629	643.692	199
985536.702	753542.597	643.715	200
985540.837	753542.505	643.498	201
985544.835	753542.466	643.788	202
985548.396	753542.026	643.490	203
985552.308	753541.924	643.746	204
985556.446	753541.235	643.476	205
985560.149	753540.612	643.649	206
985564.074	753540.280	643.585	207
985567.984	753540.548	643.645	208
985572.189	753540.621	643.543	209
985576.082	753540.726	643.708	210
985579.745	753540.739	643.660	211
985583.773	753539.685	643.572	212
985587.654	753539.121	643.702	213
985591.871	753539.080	643.557	214
985595.430	753538.759	643.709	215
985599.190	753538.857	643.781	216
985603.595	753538.769	643.749	217
985606.925	753538.439	643.920	218
985610.318	753538.223	643.834	219
985614.157	753537.711	643.974	220
985618.212	753537.535	644.091	221
985622.182	753537.655	643.931	222
985625.753	753537.510	644.127	223
985629.457	753537.622	643.977	224
985637.119	753537.140	644.051	225
985640.821	753536.553	643.997	226
985644.767	753536.226	643.940	227
985649.052	753536.365	643.926	228
985652.758	753536.550	644.116	229
985656.374	753536.022	644.283	230
985659.844	753535.318	644.333	231
985662.945	753534.771	644.494	232
985665.981	753534.390	644.472	233
985668.478	753534.326	644.547	234

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985670.384	753533.808	644.416	235
985673.356	753533.841	644.374	236
985676.780	753534.352	644.435	237
985680.396	753534.715	644.354	238
985687.792	753534.677	644.452	239
985689.764	753534.565	644.323	240
985689.803	753534.349	644.360	241
985694.259	753534.630	644.219	242
985697.757	753534.783	644.281	243
985701.352	753534.359	644.128	244
985704.830	753534.065	644.249	245
985708.151	753533.721	644.319	246
985711.791	753534.142	644.340	247
985715.332	753534.377	644.286	248
985718.813	753534.098	644.239	249
985722.411	753533.724	644.277	250
985725.906	753533.526	644.095	251
985733.097	753533.244	644.129	252
985736.276	753533.039	644.133	253
985739.759	753532.615	643.955	254
985743.229	753531.974	644.098	255
985746.900	753531.732	643.975	256
985750.669	753531.446	644.075	257
985754.305	753531.303	644.041	258
985758.061	753531.418	643.911	259
985761.548	753531.531	643.821	260
985764.979	753530.969	643.766	261
985768.422	753530.675	643.881	262
985771.765	753530.463	643.687	263
985775.309	753530.439	643.717	264
985778.929	753530.394	643.597	265
985785.820	753529.613	643.582	266
985789.172	753529.658	643.638	267
985792.744	753529.519	643.730	268
985796.455	753529.014	643.439	269
985800.139	753529.026	643.515	270
985803.753	753528.641	643.333	271
985807.372	753528.462	643.498	272
985811.436	753528.091	643.413	273

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985815.445	753527.403	643.441	274
985819.170	753526.818	643.838	275
985823.010	753526.292	643.626	276
985826.760	753525.109	643.596	277
985830.698	753524.347	643.510	278
985834.651	753523.859	643.437	279
985841.614	753524.319	643.859	280
985845.044	753525.227	643.937	281
985848.584	753525.725	643.846	282
985851.818	753526.336	644.191	283
985858.327	753526.484	644.245	284
985860.977	753526.963	643.786	285
985862.597	753526.921	642.950	286
985862.637	753526.910	642.905	287
985862.609	753526.905	642.916	288
985862.621	753526.947	642.908	289
985862.318	753527.170	642.947	290
985862.294	753526.674	643.254	291
985861.913	753524.497	643.537	292
985861.001	753522.258	643.214	293
985860.244	753519.457	643.401	294
985859.081	753516.314	643.382	295
985857.788	753513.299	643.421	296
985856.331	753509.939	643.151	297
985855.553	753506.121	643.300	298
985853.523	753498.152	642.974	299
985852.898	753494.583	642.986	300
985852.386	753490.920	642.958	301
985851.961	753487.399	643.019	302
985851.924	753484.180	642.988	303
985851.298	753480.280	642.949	304
985850.238	753477.141	643.031	305
985849.319	753472.528	642.820	306
985848.520	753469.272	642.652	307
985847.207	753465.870	642.379	308
985846.263	753462.425	642.348	309
985845.438	753458.973	642.334	310
985845.286	753455.638	642.428	311
985844.846	753452.895	642.111	312

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985844.293	753445.880	642.701	313
985843.486	753443.013	642.355	314
985842.168	753440.026	642.231	315
985841.112	753436.684	642.116	316
985840.123	753433.461	642.543	317
985839.179	753430.414	642.404	318
985838.036	753427.412	642.246	319
985837.407	753423.971	642.064	320
985836.539	753420.437	642.056	321
985835.099	753417.356	642.599	322
985834.392	753410.733	642.318	323
985834.148	753407.886	642.133	324
985834.030	753404.398	641.990	325
985833.809	753401.123	642.045	326
985832.572	753393.936	642.040	327
985831.884	753390.364	642.150	328
985831.049	753386.732	641.739	329
985830.405	753383.094	641.865	330
985829.571	753379.447	641.738	331
985828.815	753375.794	641.909	332
985828.268	753372.166	641.688	333
985827.476	753368.405	641.855	334
985826.585	753364.404	641.826	335
985825.888	753360.825	641.669	336
985825.618	753357.308	641.595	337
985824.709	753353.832	641.620	338
985823.628	753350.278	641.737	339
985822.040	753343.335	641.738	340
985821.125	753339.909	641.543	341
985819.518	753332.441	641.579	342
985818.976	753328.902	641.546	343
985818.386	753325.401	641.480	344
985817.246	753322.023	641.452	345
985816.200	753318.294	641.408	346
985815.376	753314.640	641.480	347
985814.541	753310.968	641.278	348
985813.911	753307.425	641.432	349
985813.114	753303.580	641.372	350
985812.643	753300.185	641.497	351

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985811.425	753293.310	641.485	352
985810.623	753289.453	641.925	353
985809.632	753285.698	641.608	354
985808.143	753282.151	641.588	355
985807.236	753278.370	641.439	356
985806.245	753274.724	641.383	357
985805.803	753271.203	641.441	358
985805.215	753267.818	641.406	359
985804.358	753264.135	641.621	360
985803.608	753260.581	641.476	361
985802.848	753256.596	641.637	362
985801.831	753252.957	641.657	363
985800.809	753249.271	641.535	364
985799.003	753241.493	642.062	365
985798.394	753237.206	641.949	366
985797.350	753233.585	641.959	367
985796.454	753230.055	641.633	368
985795.540	753226.597	641.401	369
985795.003	753222.875	641.614	370
985793.919	753218.950	641.705	371
985792.994	753215.120	641.779	372
985791.983	753211.426	641.837	373
985790.865	753207.638	641.983	374
985789.527	753203.935	641.917	375
985788.602	753200.254	642.043	376
985787.431	753196.710	642.003	377
985785.386	753189.099	641.864	378
985784.344	753185.326	641.968	379
985783.485	753181.485	641.818	380
985782.919	753177.435	641.782	381
985782.031	753173.387	641.740	382
985780.944	753169.332	641.971	383
985778.401	753161.946	641.700	384
985777.609	753158.432	641.661	385
985776.913	753154.325	641.525	386
985776.417	753150.349	641.734	387
985776.020	753146.909	641.473	388
985774.703	753143.522	641.560	389
985773.494	753139.639	641.542	390

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985771.647	753136.001	641.299	391
985770.109	753132.208	641.271	392
985768.895	753128.597	641.140	393
985767.825	753124.849	641.374	394
985766.729	753121.070	641.384	395
985765.647	753117.368	641.335	396
985764.615	753113.543	641.359	397
985763.160	753109.753	641.137	398
985762.040	753105.715	641.339	399
985761.091	753101.727	641.288	400
985760.270	753098.133	641.500	401
985759.159	753094.546	641.463	402
985758.109	753091.012	641.483	403
985756.733	753086.743	641.466	404
985755.751	753083.315	641.483	405
985754.770	753079.810	641.496	406
985752.592	753072.527	641.349	407
985751.578	753068.761	641.327	408
985750.556	753065.200	641.095	409
985749.278	753061.501	641.162	410
985747.072	753054.543	641.019	411
985745.992	753050.706	640.940	412
985743.463	753043.158	640.908	413
985742.198	753039.360	640.696	414
985741.438	753035.680	640.721	415
985740.549	753031.558	640.695	416
985739.447	753027.547	640.349	417
985738.258	753023.518	640.399	418
985737.078	753019.833	640.591	419
985735.984	753016.432	641.166	420
985735.178	753012.769	640.756	421
985734.332	753008.690	640.420	422
985733.383	753005.130	640.613	423
985732.081	753001.387	640.581	424
985730.698	752997.785	640.612	425
985729.599	752994.172	640.529	426
985728.613	752990.618	640.733	427
985727.429	752986.826	640.661	428
985726.080	752983.210	640.862	429

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985725.058	752979.482	640.627	430
985724.097	752976.064	640.729	431
985723.062	752972.827	640.820	432
985722.208	752969.181	640.829	433
985719.797	752961.665	640.793	434
985718.714	752957.655	641.003	435
985717.749	752953.701	640.748	436
985716.511	752949.890	640.851	437
985715.071	752946.142	640.678	438
985714.014	752942.397	640.744	439
985712.787	752938.581	640.532	440
985711.875	752934.749	640.683	441
985710.933	752930.897	640.836	442
985709.972	752927.659	640.958	443
985708.973	752923.745	640.787	444
985707.664	752919.948	640.838	445
985706.942	752916.314	640.509	446
985705.515	752912.345	640.391	447
985703.343	752904.495	640.679	448
985701.866	752900.991	640.644	449
985700.765	752897.700	640.830	450
985700.133	752894.049	640.653	451
985697.218	752886.988	640.895	452
985695.778	752883.139	640.914	453
985694.462	752879.688	640.990	454
985693.401	752876.031	641.154	455
985691.940	752872.039	640.917	456
985690.678	752868.727	640.817	457
985689.715	752864.745	640.672	458
985686.563	752856.532	641.030	459
985685.276	752852.492	640.965	460
985684.140	752848.351	641.227	461
985682.710	752844.351	641.242	462
985681.203	752840.069	641.054	463
985679.727	752836.008	641.076	464
985678.208	752832.123	641.024	465
985676.684	752828.603	641.023	466
985675.062	752825.029	640.997	467
985674.027	752821.349	640.933	468

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985670.001	752810.078	641.409	469
985668.424	752804.083	641.284	470
985666.161	752797.970	641.178	471
985664.940	752794.458	641.134	472
985663.661	752790.963	641.051	473
985662.448	752787.541	641.074	474
985661.007	752784.349	641.130	475
985660.072	752780.808	641.134	476
985659.097	752777.272	641.322	477
985656.625	752770.277	641.256	478
985655.362	752766.786	641.170	479
985653.926	752763.287	641.215	480
985651.277	752756.222	641.110	481
985650.132	752752.832	641.096	482
985647.577	752745.842	641.119	483
985646.204	752742.408	640.980	484
985645.226	752738.889	641.186	485
985643.831	752735.482	641.171	486
985642.515	752732.241	641.305	487
985641.399	752728.988	641.232	488
985640.364	752725.618	641.491	489
985638.659	752722.107	641.439	490
985637.271	752718.336	641.575	491
985636.110	752714.637	641.508	492
985634.793	752711.092	641.740	493
985633.255	752707.649	641.683	494
985631.818	752704.479	641.906	495
985630.746	752700.772	641.808	496
985629.599	752696.869	641.867	497
985628.304	752693.529	641.894	498
985626.940	752690.157	642.197	499
985625.784	752686.502	642.092	500
985624.708	752682.797	642.264	501
985623.334	752678.927	642.124	502
985621.651	752675.880	642.470	503
985619.774	752672.391	642.367	504
985618.245	752668.586	642.616	505
985616.793	752665.148	642.558	506
985615.054	752661.613	642.624	507

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985613.185	752658.158	642.439	508
985611.413	752654.815	642.518	509
985609.856	752651.273	642.396	510
985607.166	752644.323	642.280	511
985605.951	752640.921	642.255	512
985604.479	752637.650	642.245	513
985602.742	752634.627	642.249	514
985601.673	752631.313	642.046	515
985600.525	752627.588	641.956	516
985598.896	752624.229	641.619	517
985596.049	752617.751	641.401	518
985594.292	752614.640	641.531	519
985592.408	752611.353	641.566	520
985590.197	752608.633	641.636	521
985588.042	752606.345	640.526	522
985586.245	752603.752	640.251	523
985583.193	752598.072	640.188	524
985582.902	752594.669	639.978	525
985583.002	752591.010	640.972	526
985580.549	752583.369	641.093	527
985578.807	752579.606	640.988	528
985577.106	752576.018	640.882	529
985575.481	752572.249	640.787	530
985573.469	752568.554	641.067	531
985571.859	752565.472	640.979	532
985570.280	752562.240	640.970	533
985568.664	752558.532	640.644	534
985567.112	752555.156	640.925	535
985565.494	752551.623	640.701	536
985562.114	752544.771	640.831	537
985560.412	752541.317	640.999	538
985559.083	752537.776	640.956	539
985557.114	752534.012	640.835	540
985549.955	752519.222	640.764	541
985549.213	752517.153	640.762	542
985549.375	752516.744	640.687	543
985549.260	752516.760	640.660	544
985548.878	752515.541	640.572	545
985547.795	752513.326	640.843	546

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985544.639	752507.581	641.011	547
985542.717	752504.233	640.986	548
985539.570	752497.626	640.917	549
985538.238	752494.205	641.029	550
985537.298	752491.401	640.894	551
985535.440	752488.215	641.117	552
985533.625	752484.197	641.019	553
985531.861	752481.102	641.264	554
985529.835	752477.765	641.188	555
985528.002	752474.344	641.436	556
985526.418	752470.912	641.302	557
985524.619	752467.350	641.045	558
985523.118	752464.023	640.948	559
985519.897	752457.390	640.931	560
985518.185	752454.381	640.816	561
985516.661	752451.359	640.731	562
985515.205	752448.124	640.953	563
985513.555	752445.243	640.826	564
985512.031	752442.286	640.926	565
985510.685	752439.190	640.769	566
985507.254	752433.358	640.729	567
985505.564	752430.129	640.692	568
985504.283	752427.394	640.766	569
985502.861	752424.667	640.691	570
985501.709	752421.670	640.667	571
985500.101	752418.524	640.664	572
985496.894	752412.837	640.688	573
985495.093	752409.654	640.623	574
985493.775	752406.929	640.734	575
985492.476	752404.249	640.785	576
985490.919	752401.539	640.834	577
985488.956	752398.927	640.874	578
985487.480	752395.722	640.836	579
985486.221	752392.868	640.925	580
985484.688	752389.926	641.034	581
985483.423	752386.907	641.024	582
985482.271	752383.987	641.133	583
985480.551	752380.971	641.206	584
985478.493	752378.582	640.907	585

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985475.733	752372.172	640.261	586
985474.003	752369.360	640.479	587
985472.408	752366.574	640.507	588
985471.070	752363.549	640.560	589
985469.691	752360.114	640.488	590
985468.075	752357.144	640.551	591
985464.840	752350.987	640.378	592
985463.133	752347.867	640.353	593
985460.045	752341.875	640.367	594
985456.222	752336.346	640.212	595
985454.403	752333.314	640.274	596
985450.996	752327.547	640.113	597
985449.138	752324.003	639.869	598
985447.574	752320.625	639.867	599
985445.716	752317.616	639.912	600
985444.042	752314.752	639.984	601
985442.875	752311.564	639.960	602
985441.641	752308.197	639.819	603
985440.186	752304.666	639.653	604
985438.613	752301.575	639.554	605
985436.798	752298.880	639.556	606
985435.344	752296.248	639.456	607
985434.285	752293.749	639.678	608
985433.740	752291.631	639.579	609
985433.148	752290.265	639.718	610
985433.087	752289.842	639.122	611
985433.499	752289.991	639.280	612
985433.501	752289.981	639.282	613
985432.191	752290.497	639.788	614
985429.643	752290.532	640.010	615
985427.346	752291.112	639.884	616
985423.832	752291.633	639.684	617
985420.854	752291.745	639.698	618
985417.816	752292.186	639.715	619
985414.729	752292.324	639.770	620
985411.649	752292.129	639.932	621
985409.072	752292.169	639.931	622
985406.102	752292.659	640.184	623
985402.867	752293.029	640.148	624

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985399.646	752293.165	640.095	625
985396.102	752293.244	639.945	626
985392.828	752292.874	639.907	627
985390.283	752292.707	639.673	628
985386.606	752293.152	639.632	629
985383.224	752292.449	639.301	630
985379.444	752292.928	639.668	631
985377.468	752293.300	639.368	632
985376.012	752293.068	638.955	633
985371.624	752293.287	639.432	634
985367.687	752294.662	639.668	635
985364.158	752295.060	639.938	636
985362.152	752293.936	640.225	637
985360.051	752291.704	640.347	638
985357.320	752289.858	640.383	639
985353.871	752289.360	640.377	640
985350.382	752289.832	640.261	641
985346.882	752291.146	640.318	642
985343.389	752291.717	640.273	643
985337.799	752292.400	639.642	644
985334.820	752292.583	639.354	645
985329.041	752292.256	639.212	646
985324.905	752292.850	638.547	647
985321.702	752292.685	639.237	648
985319.096	752292.839	639.569	649
985316.131	752292.772	639.858	650
985313.236	752293.006	640.253	651
985310.215	752292.973	640.331	652
985307.107	752293.082	640.780	653
985303.748	752293.505	640.689	654
985300.371	752293.795	640.626	655
985297.802	752293.869	640.452	656
985294.644	752294.308	640.354	657
985287.989	752294.510	640.304	658
985284.778	752294.460	639.950	659
985281.553	752295.012	639.598	660
985278.197	752295.144	639.585	661
985274.581	752294.966	639.348	662
985271.351	752294.684	639.196	663

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985268.215	752294.864	639.159	664
985264.542	752294.967	639.350	665
985258.476	752294.849	639.108	666
985255.291	752295.308	639.075	667
985252.615	752295.851	638.957	668
985249.943	752296.399	638.776	669
985245.100	752294.047	640.041	670
985242.191	752293.671	639.926	671
985239.236	752293.795	639.918	672
985235.895	752294.059	639.801	673
985232.224	752293.911	639.632	674
985228.868	752293.927	639.818	675
985225.135	752293.795	639.747	676
985221.471	752294.262	639.784	677
985217.875	752294.384	639.730	678
985214.475	752293.960	639.647	679
985211.195	752293.772	639.589	680
985207.812	752293.922	639.466	681
985200.729	752293.712	639.476	682
985197.028	752293.357	639.343	683
985190.301	752293.791	639.327	684
985186.562	752294.099	639.478	685
985182.450	752294.167	639.180	686
985179.614	752294.018	639.158	687
985176.307	752294.175	639.155	688
985172.580	752294.103	638.851	689
985164.517	752294.096	638.708	690
985157.295	752294.206	638.737	691
985153.457	752294.554	638.657	692
985149.619	752294.801	638.538	693
985141.858	752294.770	638.408	694
985134.502	752295.234	638.306	695
985126.901	752295.079	638.104	696
985123.283	752294.939	638.159	697
985119.854	752294.887	638.228	698
985116.071	752295.069	637.914	699
985112.581	752295.367	638.110	700
985108.635	752295.310	637.857	701
985104.649	752295.482	637.971	702

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985101.569	752295.618	637.841	703
985098.796	752295.704	638.087	704
985095.783	752295.939	638.163	705
985092.141	752295.807	637.999	706
985089.677	752295.627	637.707	707
985085.047	752295.974	637.392	708
985084.086	752295.988	637.528	709
985082.514	752295.470	637.118	710
985079.631	752295.606	636.666	711
985078.224	752295.102	636.522	712
985077.174	752295.118	636.277	713
985077.012	752295.663	636.088	714
985075.110	752294.791	635.786	715
985074.044	752294.854	635.441	716
985072.392	752294.755	635.400	717
985067.387	752296.672	635.839	718
985063.038	752298.214	636.950	719
985063.125	752298.393	637.256	720
985062.497	752298.455	637.636	721
985060.101	752296.961	638.084	722
985058.134	752296.173	638.363	723
985055.488	752296.774	638.734	724
985052.427	752296.432	638.619	725
985049.328	752296.916	638.648	726
985045.497	752297.702	639.000	727
985041.602	752297.689	638.902	728
985037.610	752297.940	639.070	729
985033.782	752297.652	638.934	730
985029.878	752297.989	638.728	731
985025.532	752298.327	638.482	732
985021.850	752298.031	638.498	733
985017.364	752298.384	638.365	734
985013.275	752298.582	638.612	735
985005.893	752297.803	638.601	736
985002.662	752297.809	638.691	737
984998.778	752297.946	638.629	738
984994.748	752298.080	638.527	739
984987.559	752297.496	638.445	740
984984.134	752297.595	638.672	741

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
984981.351	752298.026	638.584	742
984977.704	752298.029	638.614	743
984974.324	752298.306	638.542	744
984970.237	752298.314	638.546	745
984966.481	752298.400	638.483	746
984962.779	752298.130	638.716	747
984958.858	752298.171	638.649	748
984951.141	752298.937	638.803	749
984947.538	752298.869	638.810	750
984944.035	752298.434	638.861	751
984940.222	752297.828	638.794	752
984937.317	752298.312	638.981	753
984933.572	752298.666	638.970	754
984929.752	752299.155	638.983	755
984926.091	752299.090	638.914	756
984922.314	752299.671	639.175	757
984918.535	752299.725	639.052	758
984914.753	752299.819	639.085	759
984910.381	752300.266	639.023	760
984906.358	752300.323	639.132	761
984902.037	752300.186	639.192	762
984898.147	752300.602	639.265	763
984890.391	752300.171	639.205	764
984886.228	752299.795	639.259	765
984882.335	752299.756	639.152	766
984878.662	752299.773	639.078	767
984874.904	752299.363	639.374	768
984872.280	752298.697	639.317	769
984870.721	752298.431	638.373	770
984870.186	752298.054	638.784	771
984869.945	752297.619	638.460	772
984869.926	752298.034	638.246	773
984870.067	752298.093	638.221	774
984870.084	752298.372	638.790	775
984870.661	752300.603	639.636	776
984870.298	752303.127	639.652	777
984870.233	752305.916	639.499	778
984869.903	752309.308	639.641	779
984869.019	752312.672	639.611	780

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
984868.702	752315.992	639.439	781
984868.618	752319.647	639.454	782
984868.500	752323.331	639.353	783
984867.976	752326.352	639.641	784
984867.577	752329.765	639.704	785
984867.882	752333.051	639.819	786
984868.222	752336.149	639.835	787
984867.762	752339.171	639.702	788
984866.938	752342.747	639.538	789
984866.496	752346.136	639.483	790
984866.381	752350.104	639.371	791
984865.958	752353.775	639.494	792
984865.749	752357.382	639.426	793
984865.629	752361.054	639.603	794
984865.002	752365.543	639.549	795
984864.708	752372.905	639.828	796
984864.266	752376.850	639.638	797
984863.900	752380.405	639.801	798
984863.966	752384.552	639.736	799
984864.208	752388.287	639.982	800
984863.349	752391.699	639.983	801
984862.793	752394.785	640.236	802
984863.294	752398.566	640.044	803
984863.030	752402.052	640.407	804
984862.625	752405.558	640.113	805
984861.888	752413.114	640.302	806
984861.568	752416.923	640.436	807
984861.171	752420.204	640.362	808
984861.301	752423.613	640.795	809
984861.793	752431.713	640.674	810
984862.636	752436.068	640.835	811
984862.674	752439.573	640.966	812
984862.032	752443.252	641.135	813
984862.083	752447.208	641.103	814
984861.979	752450.796	641.364	815
984861.253	752454.468	641.420	816
984860.243	752458.278	641.609	817
984859.325	752461.928	641.647	818
984858.787	752465.732	641.957	819

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
984858.378	752469.319	641.960	820
984858.137	752473.171	642.225	821
984857.834	752476.803	642.559	822
984857.295	752480.641	642.466	823
984856.501	752484.786	642.579	824
984856.066	752488.500	642.688	825
984856.069	752492.201	642.909	826
984856.042	752496.155	642.965	827
984856.023	752499.816	643.054	828
984855.658	752503.501	643.021	829
984855.199	752507.053	643.324	830
984855.280	752510.813	643.209	831
984854.694	752514.454	643.322	832
984854.143	752518.287	643.381	833
984853.836	752521.938	643.310	834
984853.922	752525.721	643.424	835
984854.109	752529.338	643.192	836
984854.038	752532.891	643.293	837
984853.526	752540.200	643.239	838
984853.320	752544.084	643.357	839
984852.829	752547.963	643.331	840
984852.415	752552.075	643.281	841
984852.049	752556.160	643.410	842
984851.651	752560.294	643.275	843
984851.590	752564.033	643.320	844
984851.322	752568.028	643.126	845
984851.423	752572.380	643.166	846
984852.151	752576.636	643.131	847
984851.612	752581.331	643.145	848
984850.548	752584.637	643.202	849
984850.096	752588.623	643.383	850
984849.492	752593.022	643.560	851
984848.726	752596.776	643.518	852
984847.847	752604.372	643.854	853
984847.051	752608.603	643.602	854
984846.390	752612.456	643.707	855
984845.958	752616.647	643.664	856
984845.783	752620.581	643.842	857
984845.947	752624.551	643.617	858

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
984845.428	752628.506	643.737	859
984844.390	752632.353	643.822	860
984844.217	752636.593	643.861	861
984843.783	752640.703	644.080	862
984843.532	752644.565	644.204	863
984843.654	752652.684	644.387	864
984843.345	752656.842	644.542	865
984842.775	752660.683	644.519	866
984842.289	752668.741	644.620	867
984842.015	752672.793	644.932	868
984841.413	752676.847	644.874	869
984840.709	752680.868	644.830	870
984840.909	752684.227	645.024	871
984841.450	752688.295	644.929	872
984841.647	752692.822	645.144	873
984841.126	752696.612	644.779	874
984841.176	752700.405	644.930	875
984840.747	752704.190	644.636	876
984840.176	752708.068	644.605	877
984839.355	752712.091	644.553	878
984838.600	752715.899	644.454	879
984837.678	752719.903	644.329	880
984836.718	752728.105	644.053	881
984836.131	752732.023	644.204	882
984835.720	752735.950	644.070	883
984835.539	752739.634	644.164	884
984835.185	752743.525	644.276	885
984834.929	752746.991	644.355	886
984834.198	752750.825	644.234	887
984833.982	752754.432	644.262	888
984833.718	752758.324	644.193	889
984833.705	752762.314	644.205	890
984833.480	752766.332	644.462	891
984833.195	752770.010	644.356	892
984832.734	752773.932	644.338	893
984831.866	752781.745	644.411	894
984831.824	752785.725	644.541	895
984831.559	752789.444	644.717	896
984831.034	752793.332	644.423	897

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
984830.880	752796.917	644.467	898
984830.649	752800.807	644.543	899
984830.693	752804.670	644.612	900
984830.598	752808.784	644.499	901
984830.283	752812.556	644.743	902
984829.760	752816.546	644.560	903
984829.569	752820.566	644.589	904
984829.414	752824.595	644.673	905
984828.715	752832.032	644.814	906
984828.453	752836.330	644.930	907
984827.823	752840.065	644.804	908
984827.541	752844.086	644.903	909
984827.234	752847.762	644.886	910
984827.279	752851.691	644.991	911
984827.249	752855.548	645.064	912
984826.650	752859.678	644.989	913
984826.105	752863.449	645.125	914
984825.554	752867.768	645.036	915
984824.954	752871.827	645.015	916
984824.686	752876.211	645.155	917
984824.725	752880.356	645.194	918
984824.619	752884.341	645.211	919
984824.206	752888.160	645.298	920
984823.845	752892.200	645.222	921
984823.113	752900.898	645.244	922
984822.933	752905.019	645.327	923
984822.876	752909.084	645.409	924
984822.171	752912.971	645.447	925
984821.529	752917.093	645.495	926
984821.488	752920.943	645.519	927
984821.320	752924.787	645.715	928
984820.950	752929.032	645.496	929
984820.570	752932.847	645.741	930
984820.276	752937.051	645.708	931
984820.056	752941.012	645.773	932
984819.583	752945.016	645.748	933
984819.348	752949.230	645.765	934
984818.780	752952.893	645.674	935
984818.234	752956.768	645.529	936

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
984817.573	752960.657	645.694	937
984817.305	752964.467	645.819	938
984816.367	752967.836	645.976	939
984816.293	752972.071	645.699	940
984816.406	752976.214	645.739	941
984816.270	752980.514	645.882	942
984816.070	752984.626	645.681	943
984815.875	752988.711	645.900	944
984814.938	752992.843	645.941	945
984814.758	752996.684	645.732	946
984814.280	753000.709	645.820	947
984813.770	753004.854	645.761	948
984813.315	753013.254	645.915	949
984813.181	753017.386	645.794	950
984812.685	753021.489	645.923	951
984812.021	753025.699	645.741	952
984811.312	753029.934	645.817	953
984811.029	753033.790	645.761	954
984811.029	753037.810	645.879	955
984810.719	753041.595	645.780	956
984810.413	753045.260	645.830	957
984810.255	753049.301	645.772	958
984810.448	753053.503	645.777	959
984810.652	753057.423	645.802	960
984811.061	753061.543	645.750	961
984811.262	753065.253	645.606	962
984811.262	753069.151	645.653	963
984810.053	753077.562	645.469	964
984809.058	753081.370	645.351	965
984807.762	753089.052	645.548	966
984807.292	753093.380	645.485	967
984807.029	753097.453	645.675	968
984806.838	753101.792	645.562	969
984806.698	753105.582	645.599	970
984806.319	753109.609	645.650	971
984805.878	753113.788	645.509	972
984805.498	753118.084	645.835	973
984804.924	753122.460	645.867	974
984803.495	753130.731	645.876	975

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
984803.001	753135.086	645.731	976
984802.489	753139.140	645.896	977
984802.036	753143.422	645.858	978
984800.988	753151.332	645.848	979
984800.423	753155.690	645.647	980
984800.550	753159.704	645.701	981
984800.415	753164.057	645.775	982
984800.198	753168.135	645.597	983
984800.021	753172.183	645.828	984
984799.316	753176.373	645.573	985
984799.448	753180.866	645.708	986
984799.084	753184.821	645.832	987
984798.690	753188.843	645.845	988
984798.241	753193.148	645.846	989
984797.155	753202.039	645.624	990
984796.924	753206.386	645.771	991
984796.483	753211.063	645.870	992
984796.426	753215.622	645.642	993
984795.917	753219.934	645.686	994
984795.405	753224.043	645.731	995
984794.920	753228.361	645.578	996
984794.501	753232.580	645.577	997
984794.463	753237.098	645.391	998
984794.159	753241.301	645.437	999
984794.201	753245.616	645.412	1000
984793.755	753249.851	645.342	1001
984793.603	753254.438	645.605	1002
984793.104	753258.635	645.685	1003
984792.123	753267.379	645.759	1004
984791.403	753271.640	645.752	1005
984791.082	753275.663	645.774	1006
984790.549	753280.038	645.868	1007
984789.982	753284.298	645.817	1008
984789.586	753288.576	645.844	1009
984789.136	753292.840	645.876	1010
984788.764	753296.988	645.680	1011
984788.462	753301.411	645.851	1012
984788.132	753305.653	646.043	1013
984787.688	753309.505	645.956	1014

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
984787.487	753313.778	646.110	1015
984787.242	753318.325	646.069	1016
984786.876	753326.743	646.362	1017
984786.887	753331.022	646.373	1018
984786.576	753335.274	646.512	1019
984786.189	753339.274	646.520	1020
984785.852	753343.210	646.579	1021
984785.803	753347.039	646.920	1022
984785.129	753350.773	646.832	1023
984784.594	753354.830	646.998	1024
984784.072	753358.863	647.056	1025
984783.911	753362.701	647.218	1026
984783.495	753366.572	647.210	1027
984782.939	753370.300	647.225	1028
984782.334	753374.222	647.520	1029
984782.045	753378.085	647.469	1030
984781.905	753382.050	647.602	1031
984781.879	753386.159	647.600	1032
984781.356	753390.066	647.672	1033
984781.083	753394.062	647.918	1034
984780.813	753398.152	647.701	1035
984780.281	753401.971	647.984	1036
984780.236	753406.083	647.991	1037
984779.700	753410.098	647.891	1038
984779.532	753413.970	648.102	1039
984779.232	753418.366	648.096	1040
984779.013	753422.488	648.220	1041
984778.706	753426.868	648.280	1042
984778.274	753431.207	648.156	1043
984777.633	753439.591	648.294	1044
984777.268	753443.728	648.236	1045
984777.054	753447.812	648.307	1046
984776.838	753451.931	648.141	1047
984776.249	753455.832	648.192	1048
984775.880	753460.367	647.983	1049
984775.785	753464.705	647.934	1050
984775.160	753469.083	647.862	1051
984774.695	753473.374	647.418	1052
984774.368	753477.539	647.470	1053

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
984773.719	753481.834	647.458	1054
984772.881	753486.023	647.353	1055
984772.556	753490.302	647.238	1056
984772.301	753494.599	647.268	1057
984771.762	753498.650	647.661	1058
984771.256	753502.546	647.776	1059
984770.346	753510.663	647.260	1060
984769.751	753514.853	647.098	1061
984769.483	753518.944	647.096	1062
984770.215	753522.594	646.658	1063
984770.177	753527.239	646.846	1064
984769.273	753531.026	647.020	1065
984768.028	753535.117	646.902	1066
984767.541	753539.333	647.278	1067
984767.341	753543.560	647.528	1068
984767.076	753547.276	647.499	1069
984766.947	753551.340	647.841	1070
984766.529	753555.577	647.776	1071
984766.196	753559.336	647.907	1072
984765.772	753563.107	647.870	1073
984764.707	753570.612	648.342	1074
984764.492	753574.377	648.278	1075
984764.010	753576.837	648.421	1076
984763.308	753579.550	648.109	1077
985115.014	752781.186	640.992	1078
985115.022	752781.155	640.977	1079
985115.051	752781.159	641.156	1080
985116.794	752781.045	641.767	1081
985119.082	752780.829	641.726	1082
985119.671	752781.027	641.341	1083
985119.895	752781.160	641.233	1084
985120.035	752781.216	641.164	1085
985120.137	752781.303	641.162	1086
985120.092	752781.238	641.158	1087
985120.117	752781.387	641.155	1088
985120.100	752781.451	641.134	1089
985120.122	752781.459	641.142	1090
985120.138	752781.548	641.148	1091
985120.181	752781.516	641.129	1092

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985120.172	752781.293	641.168	1093
985120.203	752781.287	641.155	1094
985120.202	752781.302	641.157	1095
985120.199	752781.278	641.163	1096
985120.222	752781.256	641.138	1097
985120.509	752781.204	641.982	1098
985122.900	752781.206	641.759	1099
985126.136	752781.129	641.992	1100
985129.303	752780.395	641.614	1101
985132.687	752779.201	641.445	1102
985136.524	752777.555	640.785	1103
985140.390	752776.858	640.502	1104
985143.940	752775.990	640.514	1105
985147.658	752775.124	640.335	1106
985151.408	752774.579	640.275	1107
985155.690	752773.497	640.212	1108
985159.794	752772.574	640.078	1109
985167.328	752770.787	639.954	1110
985174.765	752769.729	640.245	1111
985178.648	752768.698	640.238	1112
985182.497	752767.742	640.195	1113
985186.516	752766.779	640.223	1114
985190.277	752766.444	640.067	1115
985193.502	752765.732	640.136	1116
985197.531	752764.749	640.161	1117
985201.595	752764.116	640.158	1118
985205.320	752763.367	640.229	1119
985209.071	752762.592	640.418	1120
985212.532	752761.844	640.486	1121
985216.162	752761.309	640.383	1122
985220.741	752760.477	640.367	1123
985228.577	752759.442	640.530	1124
985232.766	752758.686	640.519	1125
985236.796	752758.265	640.412	1126
985241.327	752757.572	640.145	1127
985245.312	752756.959	640.390	1128
985249.088	752755.322	640.449	1129
985252.632	752754.477	640.570	1130
985255.856	752753.446	640.701	1131

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985259.399	752752.748	640.626	1132
985263.653	752752.541	640.562	1133
985267.702	752751.998	640.606	1134
985271.536	752751.230	640.645	1135
985275.325	752751.052	640.760	1136
985279.838	752750.223	640.895	1137
985283.690	752749.911	641.026	1138
985295.637	752747.754	641.409	1139
985299.055	752746.747	641.541	1140
985302.567	752745.819	641.814	1141
985306.449	752744.642	641.992	1142
985310.563	752743.385	642.002	1143
985314.515	752742.254	642.174	1144
985318.527	752741.283	642.259	1145
985322.325	752740.363	642.410	1146
985326.102	752739.508	642.554	1147
985330.388	752738.471	642.432	1148
985334.452	752737.483	642.182	1149
985338.300	752736.895	642.206	1150
985342.213	752736.661	642.267	1151
985346.104	752736.205	642.151	1152
985353.834	752736.157	641.907	1153
985361.371	752734.237	641.988	1154
985365.598	752732.368	641.903	1155
985369.041	752730.836	641.937	1156
985372.381	752729.236	642.023	1157
985375.938	752728.292	642.390	1158
985379.639	752727.523	642.448	1159
985383.305	752726.764	642.690	1160
985386.635	752726.164	643.310	1161
985389.937	752725.936	642.835	1162
985392.472	752724.658	642.465	1163
985396.304	752723.110	642.766	1164
985399.241	752722.790	642.850	1165
985410.020	752720.230	642.745	1166
985413.661	752719.272	642.799	1167
985417.187	752717.888	642.736	1168
985420.653	752717.124	642.442	1169
985423.624	752716.415	642.260	1170

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985427.232	752715.640	641.779	1171
985430.890	752714.636	641.332	1172
985434.710	752713.828	640.807	1173
985439.588	752713.096	639.671	1174
985444.892	752712.488	640.118	1175
985447.889	752711.606	640.953	1176
985450.496	752710.234	641.355	1177
985457.382	752707.636	641.812	1178
985461.243	752706.627	641.920	1179
985464.784	752705.655	641.903	1180
985468.467	752704.629	641.501	1181
985472.383	752703.019	640.898	1182
985477.111	752701.654	639.960	1183
985482.194	752700.392	639.886	1184
985486.359	752699.038	639.929	1185
985490.362	752698.134	639.816	1186
985493.877	752696.551	640.063	1187
985497.446	752695.107	640.351	1188
985500.932	752694.148	640.589	1189
985504.857	752693.311	640.622	1190
985508.776	752693.069	640.728	1191
985512.586	752691.594	640.668	1192
985519.642	752689.132	640.813	1193
985523.473	752688.252	640.673	1194
985527.183	752687.096	640.679	1195
985531.145	752685.658	640.351	1196
985534.696	752683.958	640.424	1197
985538.354	752682.767	640.405	1198
985542.399	752681.692	640.621	1199
985546.618	752680.466	640.460	1200
985550.551	752679.717	640.738	1201
985554.580	752678.776	640.987	1202
985558.737	752677.618	641.109	1203
985563.153	752676.374	641.130	1204
985567.477	752675.253	641.431	1205
985571.412	752673.925	641.673	1206
985575.663	752672.624	641.707	1207
985579.888	752671.249	641.809	1208
985584.221	752669.845	641.918	1209

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985588.670	752668.750	641.883	1210
985592.881	752667.458	641.931	1211
985596.922	752665.681	642.287	1212
985600.594	752664.330	642.215	1213
985604.126	752662.958	642.071	1214
985607.058	752661.731	641.947	1215
985608.522	752660.728	641.900	1216
985608.829	752659.937	641.934	1217
985608.670	752660.053	641.814	1218
985608.229	752659.372	642.038	1219
985607.955	752658.324	641.861	1220
985607.321	752654.862	641.843	1221
985606.334	752651.717	641.791	1222
985604.181	752648.238	641.728	1223
985602.676	752644.554	641.411	1224
985601.181	752641.090	641.246	1225
985599.602	752637.808	641.153	1226
985596.521	752630.858	640.912	1227
985595.673	752626.908	640.827	1228
985592.960	752620.494	640.481	1229
985588.623	752613.160	640.572	1230
985587.767	752610.455	640.474	1231
985584.924	752603.805	640.219	1232
985583.488	752600.415	640.138	1233
985582.353	752597.032	640.072	1234
985579.399	752590.625	639.950	1235
985577.774	752586.856	639.776	1236
985575.790	752583.169	639.743	1237
985573.926	752579.720	639.943	1238
985572.094	752576.355	639.872	1239
985570.755	752572.860	639.823	1240
985569.368	752569.698	639.765	1241
985567.953	752566.553	639.844	1242
985566.673	752563.407	639.750	1243
985562.834	752556.821	639.575	1244
985561.222	752553.529	639.813	1245
985559.956	752550.756	639.924	1246
985558.706	752547.965	639.918	1247
985557.870	752544.472	639.898	1248

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985556.445	752541.109	639.766	1249
985554.888	752537.654	639.630	1250
985553.545	752533.735	639.779	1251
985552.097	752530.192	639.743	1252
985550.929	752527.527	639.639	1253
985548.769	752524.509	639.560	1254
985546.448	752521.276	639.612	1255
985542.205	752511.908	639.591	1256
985540.518	752506.724	639.849	1257
985538.492	752501.486	639.650	1258
985537.557	752498.849	640.100	1259
985536.189	752496.644	640.344	1260
985534.794	752494.731	640.043	1261
985533.206	752491.597	639.742	1262
985530.907	752488.371	639.746	1263
985529.590	752485.219	639.852	1264
985528.380	752481.583	639.822	1265
985526.863	752478.579	640.029	1266
985523.678	752473.066	639.954	1267
985522.465	752470.207	639.910	1268
985519.919	752463.651	640.147	1269
985518.510	752460.605	640.290	1270
985516.656	752458.086	640.202	1271
985514.847	752455.240	640.119	1272
985513.170	752451.941	640.178	1273
985511.976	752448.800	640.239	1274
985510.114	752445.581	640.171	1275
985508.512	752442.451	639.897	1276
985506.607	752439.333	639.940	1277
985504.910	752436.066	639.981	1278
985502.841	752432.890	640.002	1279
985501.103	752429.819	640.111	1280
985499.702	752426.694	639.989	1281
985496.169	752420.941	639.973	1282
985494.691	752418.298	639.682	1283
985492.984	752415.411	639.770	1284
985490.608	752412.182	639.648	1285
985489.425	752408.788	639.719	1286
985488.518	752404.860	639.882	1287

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985486.947	752401.158	639.806	1288
985485.059	752398.492	639.887	1289
985483.244	752395.008	639.780	1290
985481.540	752390.878	639.885	1291
985479.782	752387.793	639.963	1292
985478.262	752384.522	639.942	1293
985476.834	752380.993	639.763	1294
985475.245	752377.517	639.591	1295
985471.263	752371.448	639.833	1296
985470.031	752368.250	639.844	1297
985468.600	752365.186	639.782	1298
985467.095	752362.166	639.851	1299
985465.409	752358.687	640.031	1300
985463.721	752355.149	640.031	1301
985461.604	752351.433	639.770	1302
985459.780	752348.177	639.636	1303
985457.964	752345.091	639.741	1304
985456.145	752342.069	639.835	1305
985454.397	752338.992	639.732	1306
985452.493	752335.958	639.729	1307
985450.852	752332.631	639.684	1308
985448.943	752329.238	639.813	1309
985447.477	752325.755	639.742	1310
985445.755	752322.113	639.849	1311
985444.054	752318.908	639.983	1312
985441.963	752315.331	639.860	1313
985439.520	752311.665	639.495	1314
985437.275	752308.306	639.385	1315
985435.190	752304.850	639.565	1316
985433.734	752301.488	639.526	1317
985432.368	752298.841	639.714	1318
985430.765	752296.161	639.779	1319
985428.695	752293.949	639.673	1320
985426.025	752292.951	639.620	1321
985422.619	752292.760	640.141	1322
985419.050	752293.265	639.874	1323
985412.727	752293.460	639.913	1324
985410.050	752293.238	639.895	1325
985407.324	752293.017	640.065	1326

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985405.146	752292.945	640.192	1327
985402.068	752292.468	640.043	1328
985399.344	752292.447	640.137	1329
985397.009	752292.442	640.146	1330
985394.635	752292.901	640.088	1331
985392.422	752294.004	639.707	1332
985389.749	752295.565	639.487	1333
985387.536	752298.422	639.066	1334
985388.301	752302.125	638.912	1335
985390.060	752305.428	639.017	1336
985391.813	752308.485	638.967	1337
985394.443	752317.271	638.835	1338
985394.632	752320.316	638.915	1339
985394.580	752323.082	638.836	1340
985394.827	752324.620	638.573	1341
985394.717	752324.555	638.570	1342
985394.728	752324.386	638.595	1343
985395.046	752324.468	638.523	1344
985394.940	752325.097	638.620	1345
985395.345	752327.693	638.917	1346
985395.742	752331.219	638.784	1347
985395.737	752334.687	638.902	1348
985396.006	752338.343	638.917	1349
985396.196	752341.760	638.932	1350
985396.637	752344.978	639.119	1351
985397.466	752352.095	639.013	1352
985398.100	752355.444	639.148	1353
985397.997	752358.747	638.920	1354
985396.397	752361.297	638.738	1355
985392.849	752363.356	638.542	1356
985388.513	752362.637	638.932	1357
985386.110	752361.240	639.248	1358
985384.858	752359.117	639.193	1359
985384.634	752355.512	639.338	1360
985384.169	752351.722	639.231	1361
985383.566	752347.868	639.215	1362
985382.167	752340.299	639.076	1363
985382.031	752336.220	639.083	1364
985379.924	752328.670	638.786	1365

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985378.821	752325.592	638.928	1366
985377.579	752322.322	638.905	1367
985376.804	752319.442	639.063	1368
985375.988	752315.724	639.091	1369
985375.069	752311.898	638.929	1370
985373.474	752308.704	639.017	1371
985372.337	752305.550	638.850	1372
985371.363	752302.055	638.766	1373
985370.622	752299.179	638.952	1374
985369.148	752296.113	639.262	1375
985366.344	752294.709	639.470	1376
985364.381	752293.675	639.955	1377
985363.107	752292.405	640.236	1378
985361.956	752292.424	640.575	1379
985358.930	752293.128	640.662	1380
985355.724	752293.314	640.660	1381
985352.471	752293.868	640.590	1382
985349.224	752293.604	640.518	1383
985346.021	752293.448	640.608	1384
985342.645	752293.752	640.303	1385
985339.704	752294.540	640.061	1386
985337.561	752296.236	639.673	1387
985334.630	752295.567	639.252	1388
985332.010	752293.900	639.086	1389
985327.808	752293.608	638.673	1390
985322.964	752294.083	638.814	1391
985320.200	752294.707	639.190	1392
985314.484	752294.985	639.744	1393
985311.181	752295.011	639.895	1394
985307.399	752294.530	640.133	1395
985303.954	752294.252	640.310	1396
985300.519	752294.191	640.479	1397
985296.866	752294.641	640.465	1398
985292.900	752295.273	640.544	1399
985289.555	752295.654	640.396	1400
985286.321	752295.017	640.375	1401
985282.754	752295.119	639.972	1402
985278.805	752294.881	639.938	1403
985271.852	752294.971	639.699	1404

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985267.755	752295.143	639.502	1405
985264.135	752295.180	639.419	1406
985260.725	752294.953	639.388	1407
985257.011	752295.079	639.035	1408
985253.406	752295.049	639.007	1409
985249.853	752295.143	639.021	1410
985245.957	752295.059	638.955	1411
985241.885	752294.869	638.613	1412
985238.800	752295.760	638.748	1413
985235.142	752296.035	638.527	1414
985231.405	752295.476	638.626	1415
985228.362	752295.149	638.577	1416
985224.915	752295.723	638.480	1417
985221.183	752295.600	638.467	1418
985217.525	752295.164	638.757	1419
985213.938	752295.637	638.510	1420
985210.948	752296.119	638.380	1421
985207.440	752295.421	638.334	1422
985203.692	752295.150	638.248	1423
985199.669	752295.311	638.212	1424
985193.366	752295.774	638.221	1425
985189.977	752296.903	638.461	1426
985186.965	752297.346	638.209	1427
985183.077	752297.810	638.040	1428
985179.179	752298.018	637.947	1429
985175.215	752297.934	638.058	1430
985168.846	752296.680	637.903	1431
985165.409	752296.856	637.732	1432
985161.716	752297.115	637.819	1433
985158.026	752297.124	637.750	1434
985154.183	752296.547	637.686	1435
985150.275	752296.557	637.668	1436
985146.507	752296.816	637.744	1437
985131.025	752296.590	637.478	1438
985127.464	752296.890	637.632	1439
985123.787	752297.032	637.646	1440
985120.048	752296.639	637.612	1441
985113.108	752296.735	637.576	1442
985109.630	752297.010	637.381	1443

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985105.622	752297.447	637.267	1444
985101.429	752298.460	637.252	1445
985099.142	752299.752	637.375	1446
985097.602	752302.253	637.338	1447
985096.679	752305.351	637.528	1448
985096.502	752308.503	637.514	1449
985097.407	752311.816	637.495	1450
985098.667	752314.599	637.535	1451
985099.483	752317.952	637.191	1452
985100.799	752321.171	637.263	1453
985102.057	752324.008	637.389	1454
985102.954	752326.915	637.161	1455
985104.196	752330.157	637.091	1456
985105.256	752333.331	636.889	1457
985106.763	752336.524	637.065	1458
985110.608	752342.186	637.224	1459
985112.360	752345.078	637.225	1460
985113.217	752348.347	637.384	1461
985114.462	752351.558	637.162	1462
985115.046	752354.441	636.926	1463
985114.353	752358.052	636.423	1464
985113.924	752361.622	636.406	1465
985112.848	752364.908	636.006	1466
985112.150	752367.708	635.722	1467
985112.396	752369.604	635.726	1468
985112.394	752370.662	635.823	1469
985111.786	752371.898	635.842	1470
985108.534	752372.854	635.479	1471
985099.491	752371.793	635.909	1472
985095.625	752368.210	637.300	1473
985094.663	752365.248	637.412	1474
985094.003	752362.329	637.258	1475
985092.225	752356.841	637.250	1476
985091.362	752353.385	637.263	1477
985090.274	752350.001	637.244	1478
985089.389	752346.712	637.184	1479
985088.287	752343.470	637.071	1480
985086.867	752340.174	637.088	1481
985085.592	752336.951	636.912	1482

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985084.169	752333.742	636.734	1483
985082.069	752326.661	636.423	1484
985080.685	752322.464	636.135	1485
985078.684	752318.930	635.964	1486
985077.187	752315.414	635.774	1487
985075.819	752312.411	635.743	1488
985074.090	752309.820	635.969	1489
985070.789	752303.837	635.856	1490
985069.106	752301.778	636.448	1491
985067.056	752300.169	636.443	1492
985064.934	752298.416	636.936	1493
985061.983	752298.789	637.769	1494
985058.821	752299.686	638.271	1495
985055.089	752300.466	637.867	1496
985049.521	752299.504	638.644	1497
985046.907	752299.321	639.028	1498
985044.165	752299.567	638.819	1499
985041.125	752300.726	638.397	1500
985037.715	752301.766	638.391	1501
985034.344	752301.705	638.274	1502
985030.784	752302.022	638.614	1503
985027.418	752302.704	639.183	1504
985024.476	752302.242	639.650	1505
985021.160	752301.861	638.631	1506
985017.651	752301.705	638.372	1507
985014.405	752301.201	638.050	1508
985010.682	752300.834	637.984	1509
985007.150	752301.012	637.938	1510
985000.208	752300.777	638.044	1511
984996.806	752300.922	638.068	1512
984992.759	752301.477	637.790	1513
984989.648	752301.407	638.266	1514
984985.846	752301.573	638.108	1515
984981.502	752301.252	637.815	1516
984979.311	752300.300	638.156	1517
984975.780	752300.177	637.788	1518
984971.888	752300.014	637.772	1519
984969.010	752299.782	637.898	1520
984965.201	752299.769	637.973	1521

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
984961.618	752299.878	637.981	1522
984957.705	752300.076	638.328	1523
984954.484	752303.425	638.292	1524
984955.185	752306.986	638.225	1525
984955.877	752310.921	638.141	1526
984956.021	752314.688	638.050	1527
984958.184	752317.813	638.223	1528
984961.665	752320.239	638.293	1529
984965.393	752321.288	638.092	1530
984969.297	752321.643	638.026	1531
984972.829	752322.636	638.042	1532
984975.952	752324.196	638.149	1533
984978.868	752326.527	637.889	1534
984982.810	752329.357	638.028	1535
984984.376	752329.976	638.177	1536
985117.100	752364.814	636.131	1537
985117.054	752364.690	636.138	1538
985117.302	752364.740	636.175	1539
985117.467	752364.720	636.155	1540
985117.510	752364.656	636.168	1541
985117.698	752365.135	636.816	1542
985117.970	752367.290	636.945	1543
985118.009	752369.518	637.208	1544
985118.384	752371.619	637.542	1545
985117.597	752374.456	637.145	1546
985117.659	752377.028	637.522	1547
985117.694	752380.610	637.615	1548
985117.261	752383.551	637.312	1549
985115.905	752389.928	637.461	1550
985115.761	752392.608	637.171	1551
985115.289	752394.161	637.325	1552
985115.973	752395.560	637.981	1553
985116.105	752398.213	638.084	1554
985116.554	752400.904	637.783	1555
985116.614	752403.606	637.446	1556
985116.193	752407.677	637.328	1557
985116.432	752411.600	637.194	1558
985116.145	752415.158	637.330	1559
985115.330	752418.919	637.190	1560

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985115.180	752422.088	637.391	1561
985114.845	752426.097	637.298	1562
985114.843	752429.881	637.425	1563
985114.578	752433.705	637.666	1564
985114.803	752437.631	637.661	1565
985114.932	752441.654	637.458	1566
985114.718	752445.397	637.550	1567
985114.677	752449.025	637.489	1568
985115.479	752452.815	637.643	1569
985115.340	752460.371	637.906	1570
985115.537	752463.735	637.783	1571
985115.990	752467.587	638.198	1572
985116.191	752471.597	638.045	1573
985115.735	752475.222	638.163	1574
985116.036	752479.199	638.168	1575
985116.409	752483.522	638.144	1576
985115.810	752486.649	638.261	1577
985115.505	752490.339	638.515	1578
985115.195	752498.366	638.391	1579
985114.787	752502.288	638.394	1580
985114.186	752506.071	638.272	1581
985114.756	752510.112	638.091	1582
985114.767	752514.478	637.928	1583
985114.078	752518.171	638.116	1584
985113.721	752522.138	637.996	1585
985113.449	752526.205	637.890	1586
985113.398	752530.451	637.938	1587
985113.086	752537.907	637.937	1588
985112.098	752546.712	637.804	1589
985112.005	752551.127	637.897	1590
985112.116	752559.501	637.785	1591
985112.719	752563.593	637.946	1592
985112.732	752567.157	637.900	1593
985113.643	752570.450	637.999	1594
985114.208	752574.482	638.005	1595
985114.826	752578.250	638.066	1596
985115.165	752582.179	638.047	1597
985115.337	752586.501	638.279	1598
985115.277	752590.376	638.299	1599

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985114.971	752594.289	638.238	1600
985114.694	752598.536	638.509	1601
985114.259	752602.966	638.535	1602
985114.361	752607.056	638.570	1603
985114.776	752614.682	638.840	1604
985114.460	752618.463	638.945	1605
985114.821	752622.304	638.948	1606
985114.174	752625.971	639.058	1607
985113.868	752629.817	639.025	1608
985113.893	752633.925	638.833	1609
985114.204	752637.525	638.770	1610
985114.020	752644.660	638.725	1611
985114.347	752648.304	638.746	1612
985114.618	752652.414	638.843	1613
985113.679	752656.156	638.855	1614
985113.315	752659.254	639.239	1615
985113.445	752662.706	639.120	1616
985113.649	752666.655	639.129	1617
985113.879	752674.844	639.490	1618
985113.933	752679.002	639.486	1619
985113.932	752683.086	639.479	1620
985113.462	752686.946	639.683	1621
985113.173	752690.762	639.702	1622
985113.245	752694.364	639.789	1623
985113.380	752698.130	639.687	1624
985113.321	752701.605	639.582	1625
985113.878	752704.865	639.862	1626
985113.907	752708.479	639.785	1627
985114.803	752712.795	639.668	1628
985114.842	752716.932	639.679	1629
985115.071	752720.690	639.702	1630
985115.685	752723.823	639.992	1631
985115.830	752730.039	640.617	1632
985116.147	752733.836	641.103	1633
985116.462	752737.547	641.022	1634
985116.884	752741.005	640.796	1635
985117.614	752744.810	640.657	1636
985117.083	752748.989	641.006	1637
985116.513	752752.886	641.231	1638

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985115.371	752756.585	641.323	1639
985114.841	752760.594	641.348	1640
985114.345	752764.485	641.424	1641
985113.958	752767.624	641.693	1642
985113.939	752771.003	641.431	1643
985113.709	752777.263	641.440	1644
985174.055	752661.281	638.997	1645
985149.514	752413.265	636.807	1646
985149.592	752413.248	636.796	1647
985149.533	752413.222	636.824	1648
985149.620	752413.659	636.956	1649
985150.609	752414.713	637.426	1650
985152.931	752414.455	637.393	1651
985156.209	752413.778	637.438	1652
985159.822	752412.948	637.311	1653
985166.686	752409.503	637.290	1654
985169.929	752406.645	637.325	1655
985172.936	752404.159	637.134	1656
985175.241	752401.004	637.404	1657
985177.558	752398.268	637.842	1658
985179.453	752394.608	637.625	1659
985180.060	752390.937	637.688	1660
985179.684	752387.367	637.575	1661
985178.851	752383.845	637.591	1662
985177.620	752380.745	637.764	1663
985176.292	752377.315	637.797	1664
985174.414	752373.886	637.322	1665
985172.736	752370.897	637.353	1666
985170.160	752369.136	637.423	1667
985163.855	752367.418	637.357	1668
985160.704	752367.855	637.497	1669
985157.473	752367.954	637.468	1670
985153.751	752368.491	637.170	1671
985150.082	752369.649	637.263	1672
985146.421	752370.438	637.166	1673
985143.049	752371.022	637.240	1674
985139.455	752371.307	637.272	1675
985135.762	752371.591	637.125	1676
985132.067	752372.038	637.024	1677

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985128.349	752372.527	637.267	1678
985125.139	752372.232	637.351	1679
985122.412	752372.227	637.249	1680
985118.870	752375.030	637.465	1681
985118.836	752377.279	637.462	1682
985119.037	752380.048	637.354	1683
985120.122	752382.513	637.306	1684
985121.015	752385.165	637.476	1685
985121.082	752387.196	637.346	1686
985120.894	752389.537	637.276	1687
985123.135	752392.134	637.475	1688
985124.386	752393.660	638.317	1689
985125.527	752398.990	637.604	1690
985126.141	752401.945	637.349	1691
985127.064	752405.248	637.427	1692
985128.648	752411.203	637.157	1693
985130.270	752413.253	637.332	1694
985132.730	752414.779	637.141	1695
985135.215	752415.855	637.253	1696
985138.029	752416.308	637.159	1697
985139.695	752415.733	637.314	1698
985141.466	752414.442	637.169	1699
985197.960	752574.290	636.818	1700
985198.299	752575.090	637.789	1701
985198.203	752575.196	637.764	1702
985199.266	752574.875	638.460	1703
985200.030	752576.495	638.499	1704
985201.868	752577.195	638.777	1705
985204.199	752579.010	638.760	1706
985205.628	752581.025	638.774	1707
985207.608	752582.825	638.652	1708
985209.797	752584.576	638.585	1709
985212.278	752585.661	638.745	1710
985214.999	752586.416	638.502	1711
985217.700	752587.176	638.451	1712
985223.427	752586.949	638.501	1713
985226.497	752586.305	638.558	1714
985229.675	752585.299	638.517	1715
985232.622	752583.648	638.675	1716

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985235.835	752582.813	638.409	1717
985238.347	752581.297	638.738	1718
985240.595	752578.747	638.891	1719
985243.338	752576.490	638.949	1720
985245.923	752574.430	639.003	1721
985248.847	752573.103	638.979	1722
985254.582	752569.775	639.050	1723
985256.932	752567.092	639.188	1724
985258.173	752565.428	639.489	1725
985263.020	752562.716	639.405	1726
985265.392	752561.186	639.505	1727
985268.341	752560.395	638.911	1728
985272.075	752560.222	638.855	1729
985275.655	752560.628	638.813	1730
985279.398	752560.284	638.883	1731
985283.088	752559.689	639.218	1732
985286.070	752559.716	639.155	1733
985290.048	752559.206	639.083	1734
985292.941	752559.882	638.894	1735
985295.218	752560.368	639.091	1736
985297.974	752560.454	638.901	1737
985301.284	752561.132	638.811	1738
985304.219	752563.022	638.988	1739
985310.061	752567.239	638.785	1740
985312.135	752569.010	638.712	1741
985315.230	752569.090	638.865	1742
985318.853	752568.565	638.729	1743
985322.544	752568.612	638.932	1744
985330.226	752567.924	638.775	1745
985333.823	752566.276	638.961	1746
985336.065	752566.355	638.944	1747
985339.557	752565.691	639.100	1748
985341.447	752563.644	639.342	1749
985343.658	752560.983	639.159	1750
985345.879	752558.990	639.271	1751
985349.200	752557.039	639.105	1752
985355.334	752553.143	639.218	1753
985358.223	752550.675	639.237	1754
985360.673	752548.325	639.251	1755

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985363.329	752546.331	639.092	1756
985365.248	752543.976	638.977	1757
985366.542	752540.943	638.787	1758
985367.210	752537.774	638.912	1759
985367.950	752534.248	638.603	1760
985368.241	752530.942	638.746	1761
985368.746	752527.583	638.677	1762
985368.944	752523.725	638.882	1763
985369.031	752520.173	639.132	1764
985369.048	752517.095	639.212	1765
985368.616	752510.642	638.760	1766
985367.869	752507.595	639.040	1767
985367.037	752504.727	639.159	1768
985366.314	752500.759	638.711	1769
985365.625	752497.418	638.699	1770
985362.920	752491.614	639.093	1771
985361.973	752488.433	639.007	1772
985360.610	752485.946	638.952	1773
985358.316	752483.519	639.123	1774
985355.050	752482.843	639.058	1775
985352.119	752482.540	639.456	1776
985348.904	752481.231	639.299	1777
985345.673	752480.298	639.309	1778
985342.287	752480.299	639.276	1779
985335.108	752481.199	638.868	1780
985331.836	752482.482	638.810	1781
985327.951	752484.099	639.062	1782
985324.616	752485.332	639.131	1783
985321.439	752486.302	638.999	1784
985318.440	752485.842	639.118	1785
985315.060	752484.813	638.609	1786
985311.418	752484.779	638.641	1787
985307.534	752485.291	638.937	1788
985304.020	752485.676	639.017	1789
985300.269	752484.544	638.685	1790
985296.734	752484.377	638.691	1791
985293.710	752483.208	638.524	1792
985290.024	752482.655	638.560	1793
985283.854	752481.659	638.650	1794

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985280.203	752482.411	638.628	1795
985275.921	752483.530	638.371	1796
985272.128	752484.349	638.410	1797
985268.444	752484.759	638.409	1798
985265.151	752484.290	638.494	1799
985262.055	752483.899	638.765	1800
985258.528	752482.671	638.612	1801
985255.010	752481.559	638.601	1802
985251.479	752480.647	638.496	1803
985248.024	752478.949	638.429	1804
985244.517	752478.361	638.720	1805
985241.568	752478.978	638.619	1806
985238.822	752480.497	638.709	1807
985232.703	752482.771	638.833	1808
985229.150	752483.642	638.924	1809
985225.556	752484.135	639.184	1810
985222.382	752483.608	639.096	1811
985213.857	752484.685	638.309	1812
985206.890	752486.291	638.397	1813
985203.463	752487.437	638.381	1814
985199.981	752488.635	638.347	1815
985197.093	752490.012	638.397	1816
985194.346	752491.773	638.252	1817
985191.919	752493.660	638.289	1818
985188.421	752498.916	638.361	1819
985186.654	752501.933	638.395	1820
985184.975	752505.058	638.317	1821
985183.863	752509.245	638.158	1822
985183.173	752512.948	638.243	1823
985183.343	752516.695	638.417	1824
985183.037	752519.832	638.202	1825
985184.363	752536.961	638.191	1826
985184.478	752537.348	638.312	1827
985184.669	752536.783	638.247	1828
985184.470	752551.495	638.054	1829
985185.343	752554.942	638.156	1830
985186.684	752558.142	638.268	1831
985190.029	752563.658	638.246	1832
985191.395	752566.600	638.198	1833

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985193.068	752569.377	638.333	1834
985194.604	752572.138	638.279	1835
985463.111	752544.789	638.829	1836
985462.890	752544.824	638.832	1837
985463.944	752544.219	639.279	1838
985466.483	752544.416	639.257	1839
985473.520	752542.310	639.649	1840
985476.239	752540.795	639.536	1841
985479.651	752539.524	639.600	1842
985482.877	752538.676	639.479	1843
985486.564	752538.076	639.580	1844
985490.832	752537.581	639.584	1845
985496.740	752534.962	639.910	1846
985500.177	752533.118	639.811	1847
985503.076	752531.081	639.869	1848
985505.499	752529.075	639.844	1849
985508.052	752526.707	639.877	1850
985510.239	752524.689	639.591	1851
985510.862	752521.425	640.017	1852
985510.988	752518.349	639.836	1853
985512.123	752515.338	639.930	1854
985513.158	752510.620	639.870	1855
985514.229	752507.725	639.920	1856
985514.151	752504.861	640.051	1857
985514.662	752501.958	640.148	1858
985514.963	752498.632	640.062	1859
985514.104	752492.919	640.311	1860
985513.245	752490.125	640.304	1861
985513.077	752486.223	640.066	1862
985512.581	752483.417	639.983	1863
985512.015	752481.125	640.078	1864
985510.405	752478.639	640.085	1865
985508.740	752476.332	640.042	1866
985507.400	752473.406	639.860	1867
985506.106	752471.018	640.089	1868
985504.433	752468.242	640.000	1869
985502.409	752465.185	639.767	1870
985499.572	752462.375	639.646	1871
985497.086	752460.868	640.120	1872

Seneca 44A Perimeter Coordinates

Northing	Easting	Elevation	Point Number
985494.379	752458.217	639.938	1873
985488.502	752454.463	639.669	1874
985485.195	752453.790	639.688	1875
985482.189	752453.618	639.885	1876
985478.674	752453.290	639.737	1877
985475.281	752452.447	639.654	1878
985472.108	752451.885	639.760	1879
985467.957	752451.567	639.577	1880
985464.464	752451.889	639.685	1881
985462.558	752453.760	639.786	1882
985458.849	752455.136	639.550	1883
985455.879	752456.418	639.504	1884
985451.651	752456.557	639.514	1885
985448.913	752456.660	639.430	1886
985446.024	752457.307	639.306	1887
985440.259	752461.294	639.311	1888
985437.598	752463.668	639.320	1889
985433.041	752468.191	638.985	1890
985431.313	752470.519	638.728	1891
985430.008	752473.870	638.915	1892
985430.619	752477.841	639.485	1893
985431.705	752481.797	639.299	1894
985431.587	752484.968	639.201	1895
985431.810	752489.083	639.324	1896
985431.985	752493.538	639.652	1897
985431.590	752497.884	639.364	1898
985430.923	752501.221	639.435	1899
985430.758	752504.287	639.417	1900
985432.405	752511.293	639.022	1901
985433.570	752513.989	639.074	1902
985436.198	752516.195	639.313	1903
985437.641	752520.328	639.467	1904
985439.820	752522.872	639.772	1905
985441.705	752526.667	639.553	1906
985444.257	752528.825	639.807	1907
985446.674	752530.727	639.585	1908
985450.101	752533.840	639.224	1909
985452.611	752535.513	639.344	1910
985453.775	752535.938	639.440	1911

APPENDIX C

EOD Technology, Inc.

ORDNANCE TRACKING LOG

SEDA, 44A

Delivery/Task Order No.: 0015

Romulus, New York

Grid Number	Date Grubbed	Date Cleared	Contacts or Digs	Qty	Item ID, "M" No. If Available	Condition	Filler	X (Fee	Y (Feet)	Depth Inches	OE Scrap Pounds	#'s Other Material	Demo Date	Soil Type	QC Date	QA Date
				1	40mm GRENADE M407A1											
				25	40mm GRENEDE M781 - Practice											
TOTAL:	0	0	**0**	**26**					**AVG:**		5,440	0			0	0

APPENDIX D

EODT QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 11-1	TIME: 0900	LOG NO.: QC 14
CONTRACT NO.: **DACA87-D-0005**	DELIVERY ORDER NO.: **0015**	
LOCATION: **SEAD, 44A, Romulus, NY**		
WEATHER CONDITIONS: Partly Cloudy High 52° Wind 10-15		

I. AREAS INSPECTED: (Listed by grid number, Team or task)
Sifter operations, PDS, Field Equipment, Magazine

II. INSPECTION RESULTS:
in accordance w/ work plan, PSS + SOP

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS:

V. SIGNATURES:

Site Safety and Health Officer

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / Project Manager

EODT QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 10-27-00	TIME: 1200	LOG NO.: QC 13
CONTRACT NO.: DACA87-D-0005	DELIVERY ORDER NO.: 0015	
LOCATION: SEAD, 44A, Romulus, NY		
WEATHER CONDITIONS: Sunny High 72° 30% chance of showers		

I. AREAS INSPECTED: (Listed by grid number, Team or task)
Sifter operations, PDS, Field Equipment, Magazine
IN ACCORDANCE W/ work plan, PSS + SOP

II. INSPECTION RESULTS:

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS:

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Site Safety and Health Officer

Sr. UXO Supervisor / Project Manager

EODT QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 10-26-00	TIME: 1430	LOG NO.: QC 12
CONTRACT NO.: **DACA87-D-0005**	DELIVERY ORDER NO.: **0015**	
LOCATION: **SEAD, 44A, Romulus, NY**		
WEATHER CONDITIONS: Cloudy High 60°		

I. AREAS INSPECTED: (Listed by grid number, Team or task)
Sifter operations, PDS, Field Equipment, Magazine
IN ACCORDANCE W/ WORK PLAN ASS & SOP

II. INSPECTION RESULTS:

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS:

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Site Safety and Health Officer

Sr. UXO Supervisor / Project Manager

EODT QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 10-23-00	TIME: 0845	LOG NO.: QC 11
CONTRACT NO.: **DACA87-D-0005**	DELIVERY ORDER NO.: **0015**	
LOCATION: **SEAD, 44A, Romulus, NY**		
WEATHER CONDITIONS: Clear + Sunny High 70°		

I. AREAS INSPECTED: (Listed by grid number, Team or task)
Sifter operations, PDS, Field Equipment, Magazine

II. INSPECTION RESULTS: IN ACCORDANCE w/ WORK PLAN, QSS + SOP

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS:

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Site Safety and Health Officer

Sr. UXO Supervisor / Project Manager

EODT QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 10-20-00	TIME: 0845	LOG NO.: QC10
CONTRACT NO.: DACA87-D-0005	DELIVERY ORDER NO.: 0015	
LOCATION: SEAD, 44A, Romulus, NY		
WEATHER CONDITIONS: Clear + Sunny High 70° Wind 0-5		

I. AREAS INSPECTED: (Listed by grid number, Team or task)
Sifter operations, PDS, Field Equipment, Magazine

II. INSPECTION RESULTS: In accordance w/ work plan, ESS + SOP

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS:

V. SIGNATURES:

Site Safety and Health Officer

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / Project Manager

EODT QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 10-19-00	TIME: 0845	LOG NO.: QC 9
CONTRACT NO.: DACA87-D-0005	DELIVERY ORDER NO.: 0015	
LOCATION: SEAD, 44A, Romulus, NY		
WEATHER CONDITIONS: Overcast high 62° wind 0-5		

I. AREAS INSPECTED: (Listed by grid number, Team or task)
Sifter operations, PDS, Field Equipment, Magazine

II. INSPECTION RESULTS:
In accordance w/ work plan, ESS & SOP

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS:

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Site Safety and Health Officer

Sr. UXO Supervisor / Project Manager

EODT QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 10-18-00	TIME: 0900	LOG NO.: QC 8
CONTRACT NO.: **DACA87-D-0005**	DELIVERY ORDER NO.: **0015**	
LOCATION: **SEAD, 44A, Romulus, NY**		
WEATHER CONDITIONS: overcast high 62° wind 5-10		

I. AREAS INSPECTED: (Listed by grid number, Team or task)
Sifter operations, PDS, Field Equipment, Magazine

II. INSPECTION RESULTS: In Accordance w/ work plan, ESS + SOP

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS:

V. SIGNATURES:

Robert E Kellen
Site Safety and Health Officer

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

RK
Sr. UXO Supervisor / Project Manager

EODT QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 10-16-00	TIME: 1700	LOG NO.: QC-7
CONTRACT NO.: **DACA87-D-0005**	DELIVERY ORDER NO.: **0015**	
LOCATION: **SEAD, 44A, Romulus, NY**		
WEATHER CONDITIONS: HEAVY RAIN High 50° WIND 0-5		

I. AREAS INSPECTED: (Listed by grid number, Team or task)
Sifter operations, PDS, Field Equipment, Magazine
IN ACCORDANCE w/ work plan, ESS + SOP

II. INSPECTION RESULTS:

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS:

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Site Safety and Health Officer

Sr. UXO Supervisor / Project Manager

EODT QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 10-13-00	TIME: 1130	LOG NO.: QC6
CONTRACT NO.: **DACA87-D-0005**	DELIVERY ORDER NO.: **0015**	
LOCATION: **SEAD, 44A, Romulus, NY**		
WEATHER CONDITIONS: Clear + Sunny High 72		

I. AREAS INSPECTED: (Listed by grid number, Team or task)
Sifter operations, PDS, Field Equipment, Magazine

II. INSPECTION RESULTS: In accordance w/ work plan, ESS + SOP

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS:

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Site Safety and Health Officer

Sr. UXO Supervisor / Project Manager

EODT QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 10-12-00	TIME: 0830	LOG NO.: QC5
CONTRACT NO.: **DACA87-D-0005**	DELIVERY ORDER NO.: **0003/4004**	
LOCATION: **SEDA, OBG, Romulus, NY**		
WEATHER CONDITIONS: Sunny + Clear High 70 Wind 5-10		

I. AREAS INSPECTED: (Listed by grid number, Team or task)
Sifter operations, PDS, Field Equipment, Magazine

II. INSPECTION RESULTS:
In accordance w/ work plan, ESS, SOP

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS:

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Site Safety and Health Officer

Sr. UXO Supervisor / Project Manager

EODT QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 10-11-00	TIME: 0915	LOG NO.: QC 4
CONTRACT NO.: **DACA87-D-0005**	DELIVERY ORDER NO.: **0003/4004**	
LOCATION: **SEDA, OBG, Romulus, NY**		
WEATHER CONDITIONS: Mix of Clouds & Sun High 62° Wind 10-15 mph		

I. AREAS INSPECTED: (Listed by grid number, Team or task)
Sifter operations, PDS, Field Equipment, Magazine

II. INSPECTION RESULTS:

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS:

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Site Safety and Health Officer

Sr. UXO Supervisor / Project Manager

EODT QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 10-10-00	TIME: 0830	LOG NO.: 05-3
CONTRACT NO.: **DACA87-D-0005**	DELIVERY ORDER NO.: **0003/4004**	
LOCATION: **SEDA, OBG, Romulus, NY**		
WEATHER CONDITIONS: RAIN Possible Lightning High 0F 450 Cloudy overcast wind 10-15 mph		

I. AREAS INSPECTED: (Listed by grid number, Team or task)
Sifter operations, PDS, Field Equipment, Magazine

II. INSPECTION RESULTS:
IN ACCORDANCE WITH WORKPLAN, ESS + SOP

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS:

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Site Safety and Health Officer

Sr. UXO Supervisor / Project Manager

EODT QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 10-4-00	TIME: 1000	LOG NO.: QC2
CONTRACT NO.: **DACA87-D-0005**	DELIVERY ORDER NO.: **0003/4004**	
LOCATION: **SEDA, OBG, Romulus, NY**		
WEATHER CONDITIONS: Cloudy, Rain High 64 100% chance of Rain Thunder Storms		

I. AREAS INSPECTED: (Listed by grid number, Team or task)
Sifter operations, PDS, Field Equipment, Magazine

II. INSPECTION RESULTS: In accordance w/ work plan, PSS, SOP

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS:

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Site Safety and Health Officer

Sr. UXO Supervisor / Project Manager

EODT QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 10-3-00	TIME: 1415	LOG NO.: QC-1
CONTRACT NO.: **DACA87-D-0005**	DELIVERY ORDER NO.: **0003/4004**	
LOCATION: **SEDA, OBG, Romulus, NY**		
WEATHER CONDITIONS: SUNNY + CLEAR High 76° winds 5-10		

I. AREAS INSPECTED: (Listed by grid number, Team or task)
Sifter operations, PDS, Field Equipment, Magazine
MOVING DIRT + EQUIPMENT SITE PREP
44A Begins

II. INSPECTION RESULTS:
IN ACCORDANCE W/ WORK PLAN, ESS + SOP

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS:

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Site Safety and Health Officer

Sr. UXO Supervisor / Project Manager

APPENDIX E

October 13, 2000

To: Seneca Iron & Metal

From: Seneca Army Depot

Re: Scrap Inspection

Inspector's certification: I certify that the item or items listed hereon have been inspected by me and, to the best of my knowledge and belief, contain no items of dangerous or hazardous nature.

Items Inspected: wrecked car, railroad tracks, and miscellaneous non-OE scrap

Number of boxes: 1

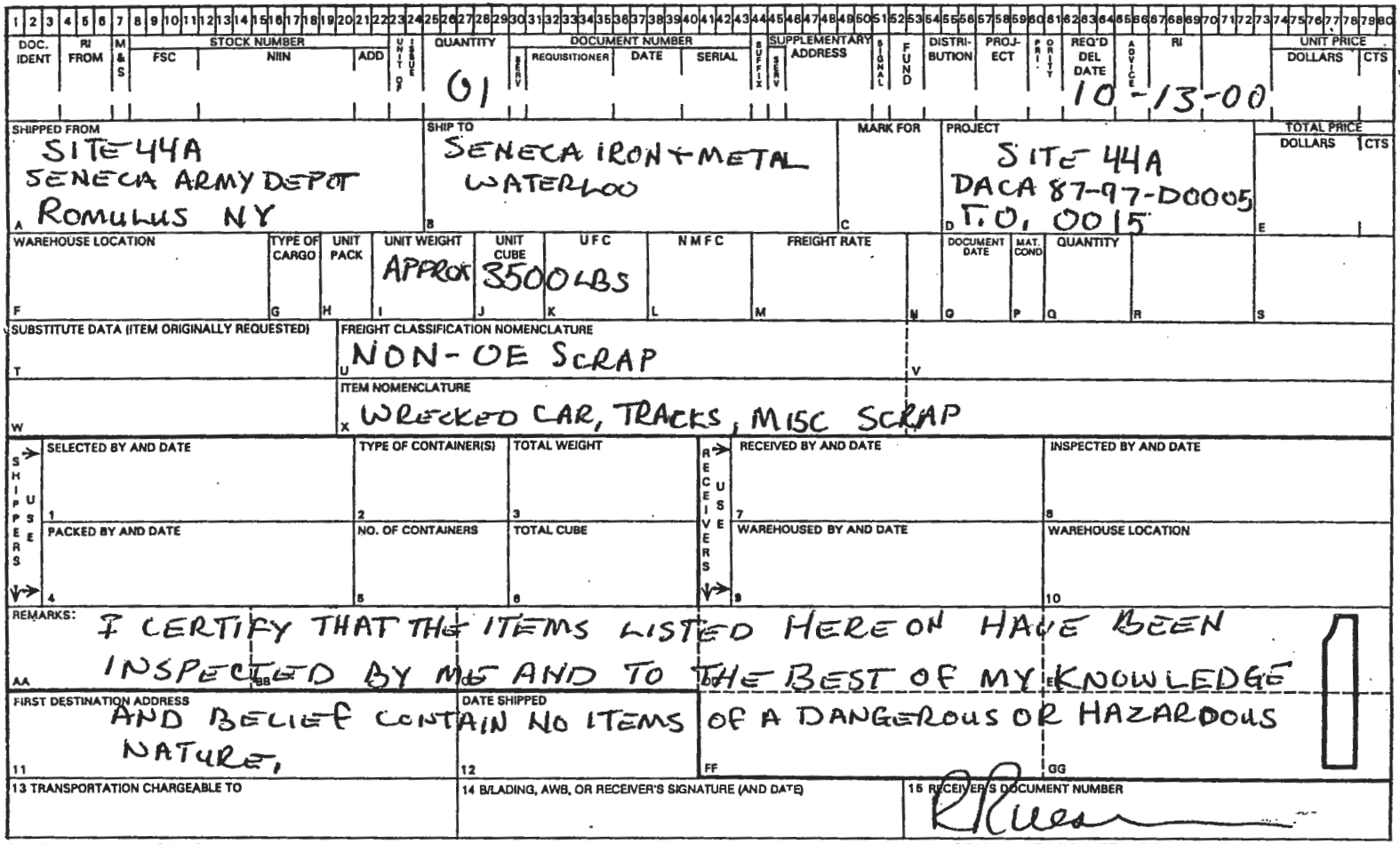
Estimated Weight: 3500 LBS

Ed Fagan, Team Leader _____

Glen Childers, Teams Leader _____

Webster Keller, QSC _____

Robert Raesemann, SUXOS _____



DOC. IDENT	RI FROM	M & S	STOCK NUMBER: FSC	NIIN	ADD	UNIT OF ISSUE	QUANTITY	DOCUMENT NUMBER: REQUISITIONER	DATE	SERIAL	SUFFIX	SUPPLEMENTARY ADDRESS	SIGNAL	FUND	DISTRIBUTION	PROJECT	PRIORITY	REQ'D DEL DATE	ADVICE	RI	UNIT PRICE: DOLLARS	CTS
							01											10-13-00				

SHIPPED FROM (A)	SHIP TO (B)	MARK FOR (C)	PROJECT (D)	TOTAL PRICE: DOLLARS	CTS (E)
SITE 44A SENECA ARMY DEPOT ROMULUS NY	SENECA IRON + METAL WATERLOO		SITE 44A DACA 87-97-D0005 T.O. 0015		

WAREHOUSE LOCATION (F)	TYPE OF CARGO (G)	UNIT PACK (H)	UNIT WEIGHT (I)	UNIT CUBE (J)	UFC (K)	NMFC (L)	FREIGHT RATE (M)		DOCUMENT DATE (O)	MAT. COND (P)	QUANTITY (Q)	(R)	(S)
			APPROX	3500 LBS									

SUBSTITUTE DATA (ITEM ORIGINALLY REQUESTED) (T)	FREIGHT CLASSIFICATION NOMENCLATURE (U)	(V)
	NON-OE SCRAP	
(W)	ITEM NOMENCLATURE (X)	
	WRECKED CAR, TRACKS, MISC SCRAP	

SHIPPERS USE	SELECTED BY AND DATE (1)	TYPE OF CONTAINER(S) (2)	TOTAL WEIGHT (3)	RECEIVERS USE	RECEIVED BY AND DATE (7)	INSPECTED BY AND DATE (8)
	PACKED BY AND DATE (4)	NO. OF CONTAINERS (5)	TOTAL CUBE (6)		WAREHOUSED BY AND DATE (9)	WAREHOUSE LOCATION (10)

REMARKS: (AA) I CERTIFY THAT THE ITEMS LISTED HEREON HAVE BEEN INSPECTED BY ME AND TO THE BEST OF MY KNOWLEDGE (BB) AND BELIEF CONTAIN NO ITEMS OF A DANGEROUS OR HAZARDOUS NATURE, (CC)

FIRST DESTINATION ADDRESS (11)	DATE SHIPPED (12)	(FF)	(GG)

13 TRANSPORTATION CHARGEABLE TO	14 B/LADING, AWB, OR RECEIVER'S SIGNATURE (AND DATE)	15 RECEIVER'S DOCUMENT NUMBER

DD FORM 1348-1, SEP 87 (4 PART) JUN 86 EDITION MAY BE USED. FORM APPROVED OMB NO. 0704-0188 DOD SINGLE LINE ITEM RELEASE/RECEIPT DOCUMENT

Figure 120-G-1. OE AND NON-OE INSPECTION, CERTIFICATION, AND CHAIN OF CUSTODY FORM

Project Location: SENECA ARMY DEPOT ROMULUS NY	Contract No: DACA 87-97-D-0005	DO No: 0015	Page __ of __

Line	Description	Source (e.g., Grid or Range Identifier)	Container/Serial Number	Container Type	Unit Wt./Vol.
1	WRECKED CAR	SITE 44A	NA	—	1500
2	RAILROAD TRACKS	SITE 44A	NA	—	500
3	CULVERT SECTION	SITE 44A	NA	—	1500
4					
5					
6					

Inspector's certification: I certify that the item or items listed hereon have been inspected by me and, to the best of my knowledge and belief, contain no items of a dangerous or hazardous nature. I also certify that all items inspected were properly segregated and secured after inspection.

Printed/typed name: Edward A. Fagan	Signature: Edward A. Fagan	Date: 10/16/00

QCS certification: I certify that a representative sample of the item or items listed hereon have been inspected by me and, to the best of my knowledge and belief, contain no items of a dangerous or hazardous nature. I also certify that all items inspected were segregated and secured after inspection.

Printed/typed name: WEBSTER E KELLER	Signature: Webster E Keller	Date: 10-16-00

Transporter(s)

Transporter 1 acknowledgment of receipt of materials properly sealed/secured.		
Printed/typed name:	Signature:	Date:
Transporter 2 acknowledgment of receipt of materials properly sealed/secured.		
Printed/typed name:	Signature:	Date:

Final Disposition

Facility owner or operator: Certification of receipt of ORS/non-ORS materials, except as noted above. Acknowledgment of receipt of materials properly sealed/secured.		
Printed/typed name:	Signature:	Date:

EODT DEMOLITION SHOT RECORD

Site Name/Location: SENECA ARMY DEPOT			Date: 10-17-00
Shot Location (OB/OD Range or Grid No.): SITE 44A	Demolition Supervisor: GLEN CHILDERS	State License # (if applicable): NA	
Type of UXO/OE Destroyed, Vented or Burned: 40MM GENADE		Firing Method: NON-ELECTRIC	Time of Shot: 1240
Direction and Distance to Nearest Building, Road, Utility Line, etc.: 1800'		Temp: 52 Wind Dir./Speed: NA Ceiling: 500 Clouds/% Sun: OVERCAST	
Type and Amount of Tamping Used: SANDBAGS		Mat or Other Protection Used (list): NA	
Seismographic / Sound Level Meter Used: Yes ☐ No ☐		Readings / Results:	

Demolition Materials Used

Description	Amount	Description	Amount
Perforator	1	Time Fuze	19'
Det Cord	5'	Squibs	NA
Electric Detonator	NA	Black / Smokeless Powder	NA
Non-electric Detonator	2	Two Component	NA
Non-El Detonator	NA	Fuze Igniter	3

Certification

I certify that the explosives listed were used for their intended purpose, and that the UXO/OE listed were rendered inert/destroyed.

Signature of Demolition Supervisor: _____ Date: 10/17/00

OMNI DISTRIBUTION, INC

P.O. Box 171154
Memphis, TN 38187-1154
800-277-6664
800-508-8534 FAX

PACKING LIST

Ship To:
Bob Raesmann
EOD Technology, Inc.
Seneca Army Depot
5786 State Route 96

Romulus NY 14541

Reference No.
11868

Customer P.O. Number
4959/4015-001-46 00

Bill To:
Douglas Royster
EOD Technology, Inc.

2229 Old Hwy 95
Lenoir City TN 37771

SHIPPING EMERGENCY CALL:
CHEMTEL
1-800-255-3924

Omni Distribution EIN: 62-1317417
Fed. Exp. Lic.: 5-AR-018-20-8H-12157

Date	Ship Via	F.O.B.	Terms
10/3/2000		Memphis, TN	Upon Receipt
PO Number		Order Date	Sales Person
4959/4015-001-46 00		10/3/2000	

Quantity Ordered	Quantity Shipped	Item Number	Description	Ship Date	Unit Form
5	5	BFA-SF-100FT	Safety Fuse, 42 Seconds per foot burn 19NOV99/M700/FXG		100 ft Roll
2	2	BF-50	Blasting Caps, Fuse Type, #8 25SEP00/MANT/FXG/OVP		Box of 50
2			Discount on Fuse Caps		
			Shipping Charges Will be approximately $60.00		

(Magazine Data Card)

Product Code / FSN	Nomenclature	Location
UN 0267	NON-ELEC DETONATORS	OB6 SENECA
Date Code / Lot NR	**NR Package / Case**	**NR Cases**
9 NOV 96		

Date	Bill Lading / Voucher NR	Recvd. From/Issued To	Qty. Received	Qty. Issued	Balance	Initials	
10/2/00	BALANCE BROUGHT FORWARD				20	[illegible]	PK
10/2/00		GLEN CHILDERS		4	16	[illegible]	PK
10/2/00		GLEN CHILDERS		2	14	[illegible]	[illegible]
10/13/00		INV			14	wrh	RR
10/17/00		ISSUE		2	12	RR	[illegible]
10/20/00		INV			12	wrh	RR.
10/27/00		INV			12	wrh	RR
11/2 00	site shut down	Demo		12	0	wrh	PK
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EODT Explosive Accountability Record
(Magazine Data Card)

Product Code / FSN	Nomenclature	Location
UN0130	IGNITOR FUZE	056 SENECA
Date Code / Lot NR	**NR Package / Case**	**NR Cases**
59/2 MAY 98/MSRDS EX050 5033	30	

Date	Bill Lading / Voucher NR	Recvd. From/Issued To	Qty. Received	Qty. Issued	Balance	Initials	
10/2/00	BALANCE BROUGHT	FORWARD			95	[illegible]	[illegible]
10/2/00		GLEN CHILDEES		4	91	[illegible]	[illegible]
10/2/00		GLEN CHILDERS		2	89	[illegible]	[illegible]
10/13/00		INV			89	ark	RR
10/17/00		ISSUE CHILDERS		5	84	RR	[illegible]
10/17/00			2		86	RR	[illegible]
10/20/00		INV			86	ark	RR.
10/27/00		INV			86	ark	RR
11/2/00	site shut down	Demo		86	0	ark	PK
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EODT Explosive Accountability Record
(Magazine Data Card)

Product Code / FSN	Nomenclature	Location
UN0130	IGNITER FUZE	OB6 SENECA
Date Code / Lot NR	**NR Package / Case**	**NR Cases**
5912 MAY 98 / MSRDS EX05E8053	200	

Date	Bill Lading / Voucher NR	Recvd. From/Issued To	Qty. Received	Qty. Issued	Balance	Initials	
10/2/00	BALANCE BROUGHT FORWARD				95	[illegible]	[illegible]
10/2/00		GLEN CHILDERS		4	91	[illegible]	[illegible]
10/2/00		GLEN CHILDERS		2	89	[illegible]	[illegible]
10/13/00		INV			89	[illegible]	RR
10/17/00		ISSUE CHILDERS		5	84	RR	[illegible]
10/17/00		CHILDERS	2 ~~RR~~	~~X~~ [illegible]	86	RR	[illegible]
10/20/00		INV			86	[illegible]	RR
10/27/00		INV			86	[illegible]	RR
11/2/00	site shut down	DEMO		86	0	[illegible]	PK
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EODT Explosive Accountability Record
(Magazine Data Card)

Product Code / FSN	Nomenclature	Location
UNDIOS	FUZE SAFETY	
Date Code / Lot NR	**NR Package / Case**	**NR Cases**
30 MAY 98	100 FT	

Date	Bill Lading / Voucher NR	Recvd. From/Issued To	Qty. Received	Qty. Issued	Balance	Initials	
10/2/00	BALANCE BROUGHT FORWARD.				45	JRC	JRC
10/2/00		GLEN CHILDERS.		29	16	JRC	JRC
10/2/00		GLEN CHILDERS		16	0	JRC	JRC
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EODT Explosive Accountability Record
(Magazine Data Card)

Product Code / FSN	Nomenclature	Location
UN0288	Shape charge Flex LinEAR	SEAD
Date Code / Lot NR	**NR Package / Case**	**NR Cases**
10-10-98 Y-230-900	187' 10"	

Date	Bill Lading / Voucher NR	Recvd. From/Issued To	Qty. Received	Qty. Issued	Balance	Initials	
9/28/00	N2 100073	HALIBURTON	187' 10"			ark	CQ
10/2/00		GLEN CHILDERS		16' 10"	16	[illegible]	[illegible]
10/2/00		GLEN CHILDERS		20'	141'	[illegible]	[illegible]
10/2/00		GLEN CHILDERS		15'	126	[illegible]	[illegible]
10/13/00		INV			126'	ark	RR
10/20/00		INV			126'	ark	RR
10/27/00		INV			126'	ark	RR
11/2 00	site shut down	Demo		126'	0	ark	PK
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EODT Explosives Accountability Record

(Magazine Data Card)

Product Code / FSN:	Nomenclature:			Site Name:
410300	NITROMETHANE			Address: Seneca Army Depot
Date Code / Lot Number:	Hazard Class	UN or NA	Quantity / Case:	
10 SEP 99		1261	35	

Date	Bill of Lading / Voucher Number	Received From	Quantity Received	Quantity Issued	Issued To	Current Balance	Initials	
							Issuer	Rece
8-22	972593	SLURRY EXPLOSIVE	35			35	PR	CM
8-24		INV				35	ark	CC
8-31		INV				35	ark	TE
9-8		INV				35	ark	RC
9-14		INV				35	ark	PK
9-22-00		INV				35	ark	PK
9-27-00				2	GLEN CHILDERS	33	ark	RC
9-28-00				10	Ed Fagan	23	ark	RC
9-28-00		INV				23	ark	RC
10-13-00		INV				23	ark	RL
10-20-00		INV				23	ark	RM
10-27-00		INV				23	ark	RL
1-2		DEMO		23	SITE SHUT DOWN	0	ark	PK

EODT Explosive Accountability Record
(Magazine Data Card)

Product Code / FSN	Nomenclature	Location
BFA-SF-100FT	SAfety Fuse	SEAD
Date Code / Lot NR	**NR Package / Case**	**NR Cases**
19NOV99 M700 FXG	100FT ROLLS	5 ROLLS

Date	Bill Lading / Voucher NR	Recvd. From/Issued To	Qty. Received	Qty. Issued	Balance	Initials	
10/11/00	4959/4015-001-4600	OMNI DISTRIBUTION	500 FT		500'	unk	RR
10/13/00		INV			500'	unk	RR
10/17/00		Demo		19	481'	RR	RR
10/20/00		INV			481'	unk	RR
10/27/00		INV			481'	unk	RR
11/2/00	Site shut down	Demo		481'		unk	PK
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EODT Explosive Accountability Record
(Magazine Data Card)

Product Code / FSN	Nomenclature	Location
1000000 36J	shape charge	SEAD
Date Code / Lot NR	**NR Package / Case**	**NR Cases**
07-21-00 / 100306617	3	

Date	Bill Lading / Voucher NR	Recvd. From/Issued To	Qty. Received	Qty. Issued	Balance	Initials	
9/27/00	81131303	HALIBURTON	150		150	[illegible]	[illegible]
9/27/00		GLEN CHILDERS		30	120	[illegible]	[illegible]
9/28/00	———	~~Ed Fagan~~	———	———	———	———	———
9/28/00	81131303	Ed Fagan		40	80	[illegible]	[illegible]
9/28/00	81131303	Ed Fagan		20	60	[illegible]	[illegible]
9/28/00	81131303	Ed Fagan		40	20	[illegible]	[illegible]
9/28/00		INV			20	[illegible]	[illegible]
10/13/00		INV			20	[illegible]	[illegible]
10/17/00		INV		1	19	[illegible]	[illegible]
10/20/00		INV			19	[illegible]	[illegible]
10/27/00		INV			19	[illegible]	[illegible]
11/2/00	witnessed burn	Demo		19	0	[illegible]	[illegible]
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EODT Explosive Accountability Record
(Magazine Data Card)

Product Code / FSN	Nomenclature	Location
100000036 J	SHAPE CHARGE	SEAD
Date Code / Lot NR	**NR Package / Case**	**NR Cases**
07/21/00 / 100306617	3	

Date	Bill Lading / Voucher NR	Recvd. From/Issued To	Qty. Received	Qty. Issued	Balance	Initials	
9/27/00	81131303	HALIBURTON	150		150	[illegible]	ark
9/27/00		GLEN CHILDERS.		30	120	[illegible]	ark
9/28/00		ED FAGEN		40	80	[illegible]	CD
9/28/00		ED FAGEN		20	60	[illegible]	CD
9/28/00		ED FAGEN		40	20	[illegible]	CD
9/28/00		INV			20	ark	[illegible]
10/3/00		INV			20	ark	RK
10/17/00		ISSUE CHILDERS		1	19	RR	[illegible]
10/20/00		INV			19	ark	[illegible]
10/27/00		INV			19	ark	RK
11/2/00	site shut down	Demo		19	0	ark	RK
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EODT Explosives Accountability Record

(Magazine Data Card)

Product Code / FSN:	Nomenclature:			Site Name: SENECA
4 10100	NITRATES INORGANIC			Address:
Date Code / Lot Number:	Hazard Class	UN or NA	Quantity / Case:	
16 AUG 00		1477	100	

Date 2000	Bill of Lading / Voucher Number	Received From	Quantity Received	Quantity Issued	Issued To	Current Balance	Initials Issuer	Initials Recei
8-22	972593	SLURRY EXPLOSIVE	35			35	RR	[illegible]
8-24		INV				35	[illegible]	[illegible]
8-31		INV				35	[illegible]	[illegible]
9-8		INV				35	[illegible]	[illegible]
9-14		INV				35	[illegible]	PK
9-22-00		INV				35	[illegible]	PK
9-27-00		Demo	[illegible]	2	Glen childers	33	[illegible]	[illegible]
9-26-00		Demo	1	10		23	[illegible]	[illegible]
9-28-00		INV				23	[illegible]	[illegible]
10-B-00		INV				23	[illegible]	RR
10-20-00		INV				23	[illegible]	RR
10-27-00		INV				23	[illegible]	RR
11-2-00		Demo		23	[illegible] shut down	0	[illegible]	PK

EODT Explosive Accountability Record
(Magazine Data Card)

Product Code / FSN	Nomenclature	Location
	Primer CORD	SEAD
Date Code / Lot NR	**NR Package / Case**	**NR Cases**

Date	Bill Lading / Voucher NR	Recvd. From/Issued To	Qty. Received	Qty. Issued	Balance	Initials	
9 27 00	Balance Brought Forward				1240'	wrk	
9 27 00		Demo		30'	1210'	wrk	
9 27 00		Demo		30'	1180'	wrk	
9 27 00		Demo		30'	1150'	wrk	
9 28 00		Demo		150'	1000'	wrk	CO
9 28 00		Demo		30'	970'	wrk	CO
9 28 00		Demo		15'	955'	wrk	CO
9 28 00		Demo		30'	925'	wrk	CO
9 28 00		Demo		80'	845'	wrk	CO
9 28 00		INV			845'	wrk	
10 13 00		INV			845	wrk	RR
10 17 00		ISSUE CHILDERS		5'	840	RR	
10 20 00		INV			840	wrk	RR
10 27 00		INV			840	wrk	RR
11 2 00	site shut down	Demo		840'	0	wrk	PK
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EODT Explosive Accountability Record
(Magazine Data Card)

Product Code / FSN	Nomenclature	Location
BF-50	NON electric BLASTING CAPS	SEAD
Date Code / Lot NR	**NR Package / Case**	**NR Cases**
25 Sep 00/MANT/FXG/OVP	50 Per Box	2 Boxes

Date	Bill Lading / Voucher NR	Recvd. From/Issued To	Qty. Received	Qty. Issued	Balance	Initials	
10/11 100	4959/4015-001-46 00	OMNI DISTRIBUTING	100		100	WRK	RR
10/13 100		INV			100	WRK	RR
10/20 100		INV			100	WRK	RR
10 127 100		INV			100	WRK	RR
11 2 100	Site shut Down	Demo		100	0	WRK	RR
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APPENDIX F

EOD Technology, Inc.
Daily SUXOS Report

SUXOS: Bob Raesemann	PM: Phil Curry
SITE: 44A	Contract:
DO#:	EODT#:

This report should be condensed to the maximum extent possible and used every day work is performed on the site. Include only information concerning locations and activities of UXO teams, discoveries and/or demolition of OE items ,weather conditions, work stoppages or interruptions, visitors to the site, unusual site conditions, substantive telephone calls or conversations, accidents, incidents, special training or safety issues, on site COE safety specialist, or other unusual happenings.

Monday, October 2, 2000:

Received copy of mobilization letter for 44A.

1001 Called Sessler at company office and on his cell phone (no answer) to get his planned schedule for 44A.
Sessler called, they will move equipment this afternoon.
Sent PM explosive requirements for 44A.
Called for price quotes on trailer rentals. Received quotes from both GE and Williams Scotsman.
Moved bulldozer and loader to 44A.
Marked the 400 foot exclusion zone as per the WP.
Changed working hours to 0700-1730.
Monday, October 9, is a federal holiday, we will work Friday, October 13, to make up the time.

Tuesday, October 3, 2000:

0700 Tailgate safety brief.
Teams transporting equipment to 44A. Sessler starting brush cutting operations and cutting soil.
Faxed per diem sheets to EODT.
Faxed trailer information to PM.
Received call from PM and Matt Kay, they want stakes placed at various locations throughout the site to serve as grade stakes. This is to ensure Sessler is only making a one foot cut.
Sessler has 2-bulldozers, 2-loaders, 1-hydroaxe, and 1-excavator on site.
The first 1/3 if the area is approximately 66% cut to one foot.
Called PM about Parsons/USA geophysical sweep of the area. He will check with Huntsville.
1730 Secured

Wednesday, October 4, 2000:

0700 Tailgate safety brief held at building 612.

Parsons/USA received notice to provide geophysical support. They had been notified as of 1845 Tuesday, October 3.

0740 Thunderstorms in the area. SSO tracking storm progress.

0801 Temporarily suspended operations due to lightning, closer than 3 miles.

1000 Secured for the day due to poor weather conditions. Two persons staying to cover hydro-axe which is still working grid. We will not work Thursday since the weather is not expected to change. Friday will be a full work day. Notified PM of our status.

1030 Meet with Steve Absolon, BRAC, Tom Battaglia, and Craig Sessler about communication and access problems to 44A.

1100 Talked to Kendall R. Thorpe, Office of General Services, about access through a gate on the perimeter road and site access.

Thursday, October 5, 2000:

Glen Childers on site with a man from Empire to finish the brush cutting on 44A (rain in the p.m.).

Brush cutter down at approximately 1030, broken or leaking fitting. Operations were secured at 1645 because operator was unable to fix the machine.

Friday, October 6, 2000:

0700 Tailgate safety brief , Sessler will not be working today.

EODT inspected and removed 16 OE scrap items from a wrecked vehicle (target) that had been removed on Tuesday (not previously reported).

Turned access list for 44A in to the correctional facility.

SUXOS checked with prison officials on getting access to the gate on the old perimeter road. Prison officials cut the old lock off and will provide a new lock on Tuesday.

Made signs to mark new access to 44A and posted them.

EOD Technology, Inc.
Daily SUXOS Report

SUXOS: Bob Raesemann	PM: Phil Curry
SITE: 44A	Contract:
DO#:	EODT#:

This report should be condensed to the maximum extent possible and used every day work is performed on the site. Include only information concerning locations and activities of UXO teams, discoveries and/or demolition of OE items ,weather conditions, work stoppages or interruptions, visitors to the site, unusual site conditions, substantive telephone calls or conversations, accidents, incidents, special training or safety issues, on site COE safety specialist, or other unusual happenings.

Tuesday, October 10, 2000:

0700 Tailgate safety brief.
Sessler repairing brush-ax.
Crews working on drainage problems.
Brush-ax back in operation.
Sessler moving soil in back third of site.
Parsons on site, conducting geophysical operations in first third of site near large soil mound.
SUXOS, COE Safety, USA/Parsons met to discuss how the project would be conducted. SUXOS made statements that caused some confusion. COE rep wanted a meeting to straighten out the differences.
Obtained six Motorola MX 350 radios from base office. These use existing base transmitters to give us the range needed to talk to the site from the office.

Wednesday, October 11, 2000:

0700 Tailgate safety brief.
0730 Returned Weston gate key to Tom Battaglia.
Sessler working soil in the back third (east end of site). Parsons personnel doing geophysical survey of front third of site. EODT personnel uncovered mounds in the front third to allow them to dry out. Removed an additional 500 pounds of non OE scrap from the site.
1420 Received shipment of non-electric caps and time fuze.
Recovered 4- M406 bodies (inert) from the site.
Parsons re-acquiring contacts in front third of site (west end).
Made corrections to site checking account. Finance office informed SUXOS that they had deposited funds enough to cover the two on-site per diem checks. When we received the reconciliation for the past month, the amount deposited was approximately $1,100 more than what I had been told, making the site checking account not balance.

Thursday, October 12, 2000:

0700 Tailgate safety brief.

Sessler moving soil in southern section of the first section prior to Parsons arriving on site.. Sessler continued to work on back third of site.
Sessler moved second sifter to site.
Parsons on site to re-acquire contacts.
Placed first sifter on site. A bulldozer had to be used to pull the truck and sifter through the mud and to get it into position. SUXOS checked with Parsons to ensure that the sifter was not blocking any of their operations. SUXOS was informed by Parsons that CEHNC, Kevin Healy, had tasked them to take HTRW soil samples every 200 feet throughout the site. Sample depth one foot below the cut depth.
Sessler has run the plow disk through the entire site at least once. This is being done to break up root balls and grass clumps in the hope that it will reduce the number of sifter clogs.
SUXOS cautioned EODT personnel to pay attention when walking around the heavy equipment, especially in the mud. No need for complacency now.
Sessler removed approximately 700 pounds of non OE scrap from the site, 2 lengths of rail road track and a few pieces of pipe.

1610 SUXOS arranged for scrap pick up for Friday, October 13, 2000.

Friday, October 13, 2000:

0700 Tailgate safety brief. Covered USA operation today. Equipment operators must stay 200 feet away from UXO persons while they are intrusive. USA will cease operations if equipment passes (transits) within 200 feet of them. EODT personnel told to not bother USA while they are working.
Sessler's fuel truck did not show up at 0600 as scheduled. As of 0730 fuel truck still had yet to arrive.

0730 USA personnel on site to conduct intrusive operations.
Sessler finished clearing the south end of the first third of the site.
The entire site has now been pushed (dirt moved) and approximately 90% of the back third has been cut to one foot.
Panic received a call from Phil Curry, PM, to map what had been done on the site thus far. It seems that the site is actually 25 plus acres. Phil Curry sent down a map and SUXOS filled where the dirt piles were and what areas had already been cut to one foot. The map also delineated a north/south line. No work is to be done south of that line unless notified.
USA founds what appears to be a HE round (40mm), it has yellow markings. PM has been notified.
Since USA was tasked to clear the site, they will do demo. EODT SUXOS made the notifications (Romulus FD, Prison, and Steve Absolon, BRAC)
EODT personnel inspecting large container recovered from site for OE.
USA conducted demo shot at approximately 1330. Round turned out to be a nM-407, 40mm practice round.
Conducted weekly magazine inspection.
COE rep recommended that we hire a professional surveyor to make the southern boundary (no do area) , SUXOS passed this on to the EODT PM.

1535 Non-QE scrap removed from site.
Actual scale weight of scrap was 5,440 pounds.

EOD Technology, Inc.
Daily SUXOS Report

SUXOS: Bob Raesemann	PM: Phil Curry
SITE: 44A	Contract:
DO#:	EODT#:

This report should be condensed to the maximum extent possible and used every day work is performed on the site. Include only information concerning locations and activities of UXO teams, discoveries and/or demolition of OE items ,weather conditions, work stoppages or interruptions, visitors to the site, unusual site conditions, substantive telephone calls or conversations, accidents, incidents, special training or safety issues, on site COE safety specialist, or other unusual happenings.

Monday, October 16, 2000:

0700 Tailgate safety brief.
0600 LATE ENTRY: Fuel truck on site. Due to heavy morning rains, we have suspended operations until noon. Sessler personnel returned to their office to retrieve pipe fittings to rig a blower to the second sifter. Notified EODT PM of goings on.
1140 Sessler back on site. They are installing a blower on the second sifter.
Called Parsons Engineering to see if they were going to work on the site today. They are not planning to.
Moving vehicles to commence sifting.
1400 Commenced sifter operations.
1402 Drum stopped, mud clog.
1458 Sifter operational, 112 buckets.
1700 Buttoned up pile for the evening. Pile covered with tarp to keep it dry. Split crew up in order to work six days a week.

Tuesday, October 17, 2000:

0700 Tailgate safety brief.
0815 Sifter operational.
0820 Parsons Engineering on site, establishing grids and collecting data.
Sifting proceeding at a slow pace due to the dampness of the soil.
1020 Shut down to connect blower to sifter.
1057 Sifter back on line.
Recovered one M404, 40mm round
1240 Demo shot on the found M404, 40mm round.
1300 Sifter back on line, sifted 265 buckets.

Demo consumption:
1 – perf
5' – det cord
2 – non-electric caps
19' – time fuze
3 – fuze ignitors

Wednesday, October 18, 2000:

Sifted 595 buckets.
Parsons Engineering not on site.
SUXOS not on site.

Thursday, October 19, 2000:

0700 Tailgate safety brief. Covered USA operation today. Equipment operators must stay 200 feet away from UXO persons while they are intrusive. USA will cease operations if equipment passes (transits) within 200 feet of them. EODT personnel told to not bother USA while they are working.
Sessler's fuel truck did not show up at 0600 as scheduled. As of 0730 fuel truck still had yet to arrive.

0730 USA personnel on site to conduct intrusive operations.
Sessler finished clearing the south end of the first third of the site.
The entire site has now been pushed (dirt moved) and approximately 90% of the back third has been cut to one foot.
Panic received a call from Phil Curry, PM, to map what had been done on the site thus far. It seems that the site is actually 25 plus acres. Phil Curry sent down a map and SUXOS filled where the dirt piles were and what areas had already been cut to one foot. The map also delineated a north/south line. No work is to be done south of that line unless notified.
USA founds what appears to be a HE round (40mm), it has yellow markings. PM has been notified.
Since USA was tasked to clear the site, they will do demo. EODT SUXOS made the notifications (Romulus FD, Prison, and Steve Absolon, BRAC)
EODT personnel inspecting large container recovered from site for OE.
USA conducted demo shot at approximately 1330. Round turned out to be a nM-407, 40mm practice round.
Conducted weekly magazine inspection.
COE rep recommended that we hire a professional surveyor to make the southern boundary (no do area) , SUXOS passed this on to the EODT PM.

1535 Non-OE scrap removed from site.
Actual scale weight of scrap was 5,440 pounds.

Friday, October 20, 2000:

0700 Tailgate safety brief.
Fuel truck did not arrive at 0600 as scheduled.
Parsons will not be on site today.
EODT PM, Phil Curry, sent a digitized map of 44A to be updated to this date.
SUXOS sent corrections.
As requested, Roger Randall's insurance was canceled, he elected to have benefits in kind.

Second sifter moved to site and placed opposite sifter #1.
Shifted operations to second sifter, first sifter is down due to build up around fines belt.

1510 Sifter back in operation. Down time 1 hour 40 minutes.
746 buckets, 1492 cu. (2 yd bucket)

1702 Start wrapping up for the day.
SSO talked to Parsons Engineering about geophysical work in the next area of 44A. If they don't finish collecting data and re-acquire so USA can dig we may be out of work by the close of business on Tuesday.
Parsons not on site again today.
Sifted 1035 buckets.
Randall was 30 minutes late for work this morning.
SUXOS off today.

Saturday, October 21, 2000:

0700 Tailgate safety brief.
Cleaned under fines belt. Phil Kendall lost a radio in fines pile. Apparently he removed his jacket while cleaning out the fines from under the sifter and evidently the radio fell or was buried in the fines.
SUXOS measured the distance from the north-east corner of the site to the nearest road. This was done under the direction of CEHNC Safety rep. Tape was pulled to 600 feet in two directions and did not hit the road on either direction.

1202 Shut sifter down, belt clogged.

1235 Sifter operational.
Radio was found, it still works.

1236 Blower on sifter is not working.

1301 Sifter and blower are working.
Sessler worked the north-east corner between the back fence and berm in preparation for Parsons.

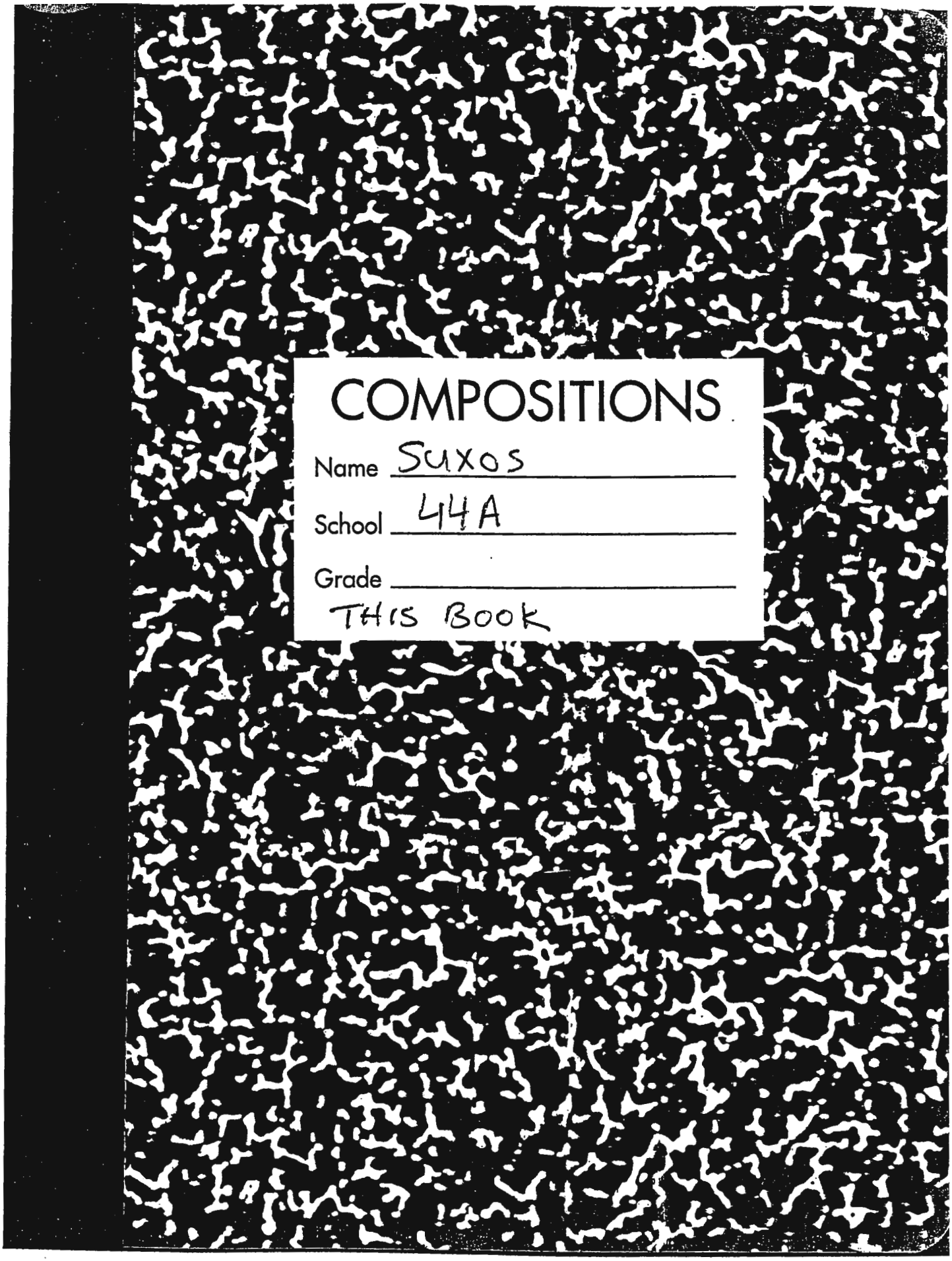
1540 Drum stopped.

1545 Sifter operational.

1546 Sifter down to clean ribs on drum.

1611 Sifter operational.

1715 Wrapped up for the day, 881 buckets.


COMPOSITIONS
Name Suxos
School 44A
Grade
THIS Book

10-2-00

REC'D COPY OF MOBILIZATION LETTER FOR 44A.

1001 CALLED SESSLER AT COMPANY OFFICE AND ON CELL PHONE (NO ANSWER) TO FIND OUT HIS PLANNED SCHEDULE FOR 44A.

* SESSLER CALLED THEY WILL MOVE EQUIPMENT THIS AFTERNOON.

* SENT PM EXPLOSIVE REQUIREMENTS FOR 44A.

* CALLED FOR PRICE QUOTES ON TRAILER RENTALS. REC'D TWO QUOTES FROM GE AND WILLIAMS SCOTSMAN.

* MOVED BULLDOZER TO 44A. ALONG WITH A LOADER,

* MARKED THE 400ft EXCLUSION ZONE AS PER THE W.P.

— CHANGED WORKING HOURS TO 0700-1730. MONDAY 9OCT IS A FEDERAL HOLIDAY WE WILL WORK 13 OCT (FRIDAY) TO MAKE UP THE TIME.

10-3-00

0700 TAILGATE SAFETY BRIEF.
TEAMS TRANSPORTING EQUIPMENT TO 44A. SESSLER STARTING BRUSH CUTTING OPERATIONS AND CUTTING SOIL.

FAXED PER DIEM SHEETS TO EODT

FAXED INFO ON TRAILERS TO PM.

REC'D CALL FROM PM + MATT KAY THEY WANT STAKES PLACED AT VARIOUS LOCATIONS THROUGHOUT THE SITE TO SERVE AS GRADE STAKES TO ENSURE SESSLER IS MAKING ONLY A 1 FT CUT.

SESSLER HAS 2 BULLDOZERS, 2 LOADERS 1 HYDROAXE AND AN EXCAVATER ON SITE

THE FIRST 1/3 of THE AREA IS APPROX 66% CUT TO 1 FT.

CALLED PM ABOUT PARSONS/USA GEOPHYSICAL SWEEP of THE AREA, HE WILL CHECK WITH HUNTSVILLE.

1730 SECURED

10-4-00

0700 HELD TAILGATE SAFETY BRIEF AT BULDING 612.

PARSONS/USA REC'D WORD TO PROVIDE GEOPHYSICAL SUPPORT. THEY WERE NOTIFIED AT 1845 YESTERDAY.

740 THUNDERSTORMS IN THE AREA. SSO TRACKING STORM PROGRESS

0801 TEMPERARILY SUSPENDED OPERATIONS DUE TO LIGHTNING (CLOSER THEN 3 MILES)

1000 SECURED FOR THE DAY DUE TO WEATHER. TWO PERS. STAYING TO COVER HYDROAXE WHICH IS STILL WORKING IN GRID. WE WILL NOT WORK THURS. SINCE WEATHER IS NOT EXPECTED TO CHANGE, FRIDAY IS A FULL WORK DAY. NOTIFIED THE PM OF OUR STATUS.

1030 MET WITH STEVE ABSOLON (BRAC) ~~AND~~ TOM BATTAGLIA AND CRAIG SESSLER ABOUT COMM. AND ACCESS PROBLEMS TO 44A.

1100 TALKED TO KENDALL R. THORPE OFFICE OF GENERAL SERVICES S.N.Y. ABOUT ACCESS THROUGH A GATE ON THE PERIMETER ROAD AND SITE ACCESS.

10-5-00

GLEN CHILDERS ON SITE WITH MAN FROM EMPIRE TO FINISH BRUSH CUTTING ON 44A. (RAIN IN PM)

* BRUSH CUTTER DOWN AT APPROX 1030, BROKEN OR LEAKING FITTING, OPERATIONS WERE SECURED AT 1645 ~~DUE TO~~ BECAUSE OPERATOR WAS UNABLE TO FIX THE MACHINE. (DID NOT HAVE THE CORRECT PART.

10-6-00

0700 TAILGATE SAFETY BRIEF.

SESSLER NOT WORKING AGAIN TODAY.

* EODT INSPECTED AND REMOVED 16 OE SCRAP ITEMS FROM A WRECKED VEHICLE (TARGET) THAT HAD BEEN REMOVED ON TUESDAY. (NOT PREVIOUSLY REPORTED.

* TURNED IN ACCESS LIST FOR 44A TO THE CORRECTIONAL FACILITY.

* SUXOS CHECKED WITH PRISON OFFICIALS ON GETTING ACCESS TO THE GATE ON THE OLD PERIMETER ROAD. PRISON OFFICIALS CUT THE OLD LOCK OFF AND WILL PROVIDE A NEW LOCK ON TUESDAY.

* MADE SIGNS TO MARK NEW ACCESS TO 44A AND POSTED THEM.

10-10-00

0900 TAILGATE SAFETY BRIEF.

SESSLER REPAIRING BRUSH AXE,

* CREWS WORKING ON DRAINAGE PROBLEMS IN LAST THIRD OF SITE,

* BRUSH AXE BACK IN OPERATION

* SESSLER MOVING SOIL IN BACK THIRD OF SITE,

* PARSONS ON SITE, CONDUCTING GEOPHYSICAL OPERATIONS IN FIRST THIRD OF SITE NEAR LARGE SOIL MOUND.

* SUXOS, COE SAFETY USA / PARSONS MET TO DISCUSS HOW PROJECT WOULD BE CONDUCTED, SUXOS MADE STATEMENTS THAT CAUSED SOME CONFUSION SO COE REP. WANTED A MEETING TO STRAIGHTEN OUT DIFFERENCES.

* OBTAINED SIX MOTOROLA MX 350 RADIOS FROM BRAC OFFICE. (THESE USE EXISTING BASE TRANSMITTERS TO GIVE US THE RANGE TO TALK TO THE SITE FROM THE OFFICE)

10-11-00

0700 TAILGATE SAFETY BRIEF.

0730 RETURNED "WESTON GATE KEY" TO TOM BATTAGLIA.

* SESSLER WORKING SOIL IN BACK THIRD (EASTERN END OF SITE) PARSONS PERSONNEL DOING GEOPHYSICAL SURVEY OF FRONT THIRD OF SITE. EODT PERSONNEL UNCOVERED MOUNDS IN FRONT THIRD TO ALLOW THEM TO DRY OUT. REMOVED AN ADDITIONAL 500 LBS OF NON OE SCRAP FROM THE SITE.

* KEVIN HEALY CALLED TO INQUIRE ABOUT THE PROGRESS OF THE JOB. SUXOS BRIEFED HIM ALSO I EXPLAINED THAT I HAD "STIRRED THE POT" YESTERDAY TO GET ACTION OUT OF PARSONS.

* 1420 REC'D SHIPMENT OF NON-ELECTRIC CAPS AND TIME FUZE.

* RECOVERED 4- M~~61~~ 406 BODIES (INERT) FROM THE SITE.

* PARSONS RE ACQUIRING CONTACTS IN FRONT THIRD OF SITE. (WEST END)

* MADE CORRECTIONS TO SITE CHECKING ACCOUNT. FINANCE OFFICE INFORMED SUXOS THAT THEY HAD ONLY DEPOSITED FUNDS

10-11-00

ENOUGH TO COVER THE TWO ON-SITE PER DIEM CHECKS, WHEN WE REC'D THIS MONTHS RECONSILIATION THE AMOUNT DEPOSITED WAS APPROX $1,100 MORE THEN WHAT I WAS TOLD, SO SITE CHECKING ACCOUNT DID NOT BALANCE,

* SESSLER HAS DISKED APPROX 95% of THE SITE AT LEAST ONCE,
* SOIL PUSHED IN MIDDLE THIRD of SITE,

10-12-00

0700 TAILGATE SAFETY BRIEF.

* SESSLER MOVING SOIL IN SOUTHERN SECTION OF THE FIRST SECTION PRIOR TO PARSONS ARRIVING ON SITE. SESSLER CONTINUING TO WORK ON BACK THIRD of SITE.
* SESSLER MOVED SECOND SIFTER OVER TO SITE.
* PARSONS ON SITE RE-ACQUIRING CONTACTS.
* PLACED FIRST SIFTER ON SITE. A BULL DOZIER HAD TO BE USED TO PULL THE TRUCK AND SIFTER THROUGH THE MUD TO GET IT IN POSITION. SUXOS CHECK WITH PARSONS TO ENSURE SIFTER WAS NOT BLOCKING ANY OF THEIR OPERATIONS. SUXOS INFORMED BY PARSONS THAT CEHNC (KEVIN HEALY) HAD TASKED THEM TO TAKE HTRW SOIL SAMPLES EVERY 200' THROUGHOUT THE SITE. SAMPLE DEPTH 1' BELOW THE CUT DEPTH.
* SESSLER HAS RUN THE PLOW DISK THROUGH THE ENTIRE SITE A LEAST ONCE. THIS IS BEING DONE TO BREAK UP ROOT BALLS AND GRASS CLUMPS TO REDUCE THE NUMBER

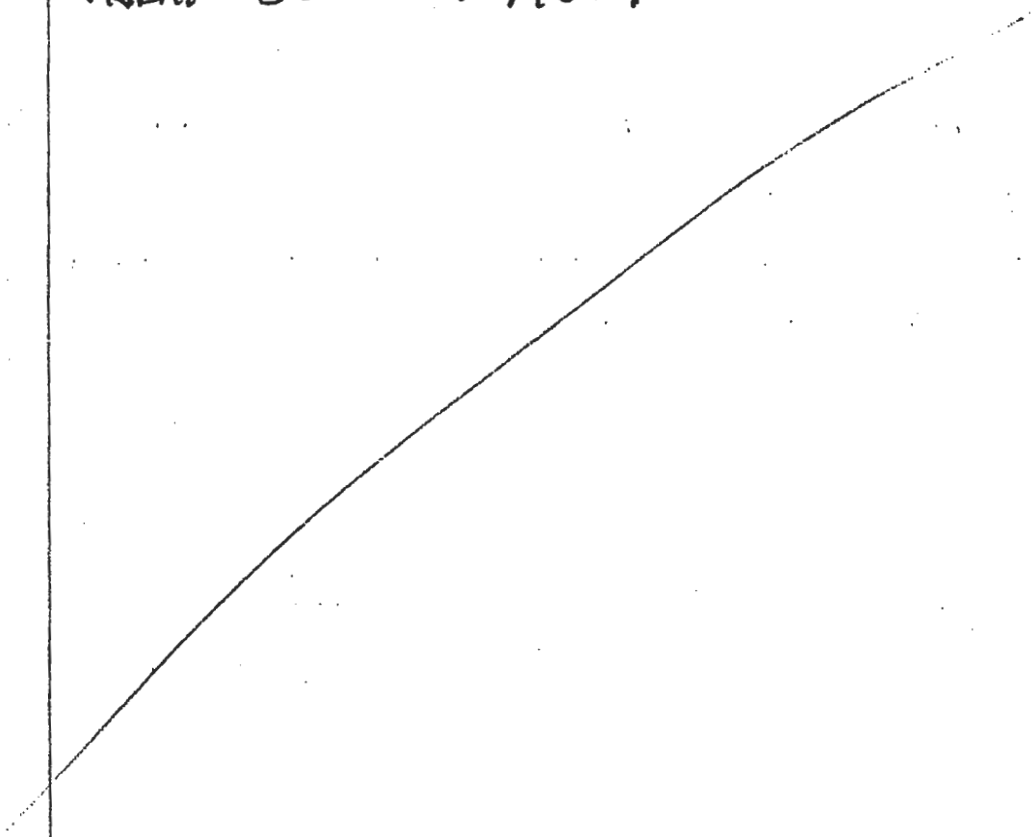
10-12-00

of SIFTER CLOGS,

SUXOS CAUTIONED EODT PERSONNEL TO PAY ATTENTION WHEN WALKING AROUND THE HEAVY EQUIPMENT ESPECIALLY IN THE MUD. NO NEED FOR COMPLACENCY(SP?) NOW.

SESSLER REMOVED APPROX 700LBS OF NON-OE SCRAP FROM THE SITE (2-LENGTHS OF RAIL ROAD TRACK AND A FEW PIECES OF PIPE)

1610 SUXOS ARRANGED FOR SCRAP PICK UP FRIDAY 13OCT AT 1400.



10-13-00

0700 TAIL GATE SAFETY BRIEF, COVERED USA OPERATION TODAY. EQUIPMENT OPERATORS MUST STAY 200' AWAY FROM UXO PERS WHILE THEY ARE INTRUSIVE, USA WILL CEASE OPS IF EQUIPMENT PASSES (TRANSITS) WITHIN 200' of THEM. EODT PERS. TOLD NOT TO BSing WITH USA WHILE THEY ARE WORKING.

* SESSLERS FUEL TRUCK DID NOT SHOW UP AT 0600 AS SCHEDULED. AS OF 0730 FUEL TRUCK STILL HAD NOT ARRIVED.

0730 USA PERSONNEL ON SITE TO CONDUCT INTRUSIVE OPERATIONS.

* SESSLER FINISHED CLEARING THE SOUTH END of THE FIRST THIRD of THE SITE.

* THE ENTIRE SITE HAS NOW BEEN PUSHED (DIRT MOVED) APPROX 90% of BACK THIRD HAS BEEN CUT TO 1 FT.

* PANIC RECD CALL FROM PHIL CURRY, PM TO MAP WHAT HAD BEEN DONE ON THE SITE THUS FAR, IT SEEMS THAT THE SITE IS ACTUALLY 25 PLUS ACRES, PHIL CURRY SENT DOWN A MAP AND SUXOS FILLED IN WHERE THE DIRT PILES ARE AND WHAT

10-13-00

AREAS HAD ALREADY BEEN CUT TO 1 FT. THE MAP ALSO DELINIATED A NORTH/SOUTH LINE, NO WORK IS TO BE DONE SOUTH of THAT LINE UNLESS NOTIFIED.

* USA found WHAT APPEARS TO BE AN HE RD (40MM) RD HAS YELLOW MARKINGS. NOTIFIED EODT PM,

* SINCE USA WAS TASKED TO CLEAR THE SITE THEY WILL DO DEMO, EODT SUXOS MADE THE DEMO NOTIFICATIONS TO THE ROMULUS FIRE DEPARTMENT, PRISON AND STEVE ABSOLON (BRAC) ~~AND COAST GUARD~~ RR

* EODT PERSONNEL INSPECTING LARGE CONTAINER RECOVERED FROM THE SITE, FOR OE.

* USA CONDUCTED DEMO SHOT AT APPROX 1330. ROUND TURNED OUT TO BE AN M-4 40MM PRACTICE RD ~~THAT CONTAINS APPROX 8 GR. RDX~~. RR

* CONDUCTED WEEKLY MAGAZINE INSPECTION.

* COE REP RECOMMENDED THAT WE HIRE A PROFESSIONAL SURVEYOR TO MARK THE SOUTHERN BOUNDRY (NO DO AREA) SUXOS PASSED THIS ONE TO THE EODT PM.

10-13-00

1535 NON-OE SCRAP REMOVED from SITE.

ACTUAL SCALE WT of SCRAP 5,440 LBS.

RAIN / DRIZZLE / LOW 50s

10-16-00

0700 TAILGATE SAFETY BRIEF.

0600 HAZE ENTRY – FUEL TRUCK ON SITE

DUE TO HEAVY MORNING RAINS WE HAVE SUSPENDED OPS UNTIL NOON. SESSLE PERS. WENT BACK TO THEIR OFFICE TO PICK UP PIPE FITTINGS TO RIG A BLOWER TO THE SECOND SIFTER, NOTIFIED EODT PM OF WHATS GOING ON.

1140 SESSLER BACK ON SITE. THEY ARE INSTALLING A BLOWER ON THE SECOND SIFTER,

CALLED PARSONS ENGINEERING TO SEE IF THEY WILL BE WORKING ON THE SITE TODAY. THEY ARE NOT PLANNING TO TODAY.

MOVING VEHICLES TO COMMENCE SIFTING

1400 COMMENCED SIFT OPS

1402 DRUM STOPPED. MUD CLOG

1458 SIFTER UP

112 BUCKETS SIFTED TODAY.

1700 BUTTONED UP PILE FOR THE EVENING. PILE COVERED WITH TARP TO KEEP IT DRY.

SPLIT CREW UP TO BE ABLE TO WORK SIX DAYS A WEEK.

OVER CAST / LOW 50s

10-17-00 Bucket 2.~~45 YDs~~

0700 TAIL GATE SAFETY BRIEF

~~0815~~ 0815 SIFTER OPERATION

0820 PARSONS ENGINEERING ON SITE.

* SIFTING PROCEEDING AT A SLOW PACE DUE TO THE DAMP SOIL (MUD)

* PARSONS ESTABLISHING GRIDS & COLLECTING DATA.

1020 SHUT DOWN TO CONNECT AIR BLOWER TO SIFTER

1057 SIFTER BACK ON LINE

* RECOVERED 1 M404 40MM RD

1240 DEMO SHOT - 1-40MM M404 RD.

1300 SIFTER BACK ON LINE.

SIFTED 265 BUCKETS

DEMO CONSUMPTION:

1 PERF

5' DET CORD

2 NON-ELECTRIC CAPS

19' TIME FUZE

3 FUZE IGNITERS

10-18-00

SIFTED 595 BUCKETS

PARSONS NOT ON SITE,

SUXOS OFF TODAY

10-19-00 CLOUDY OVERCAST NO RAIN,

0700 TAILGATE SAFETY BRIEF.

NOTE! FUEL TRUCK DID NOT SHOW UP AT 0600 AS SCHEDULED.

* ~~PARSON~~ CALLED PARSONS, THEY WILL NOT BE ON SITE TODAY.
* EDOT PM PHIL CURRY SENT A DIGITIZED MAP OFF 44A TO BE CORRECTED AS THE SITE IS THIS DATE, SUKOS CORRECTED MAP AND SENT IT BACK,
* AS REQUESTED ROGER RANDELL'S INSURANCE WAS CANCELLED, HE ELECTED BENEFITS IN KINO.
* SECOND SIFTER MOVED TO SITE AND PLACE OPPOSITE TO SIFTER #1
* SHIFTED OPERATIONS TO SECOND SIFTER SHIFTER DOWN BUILD UP AROUND FINES BELT.

1510 SIFTER BACK IN OPERATION, DOWN TIME 1HR 40 MIN.

746 BUCKETS 1,492 CU. (2YD BUCKET)

1702 START WRAPPING UP FOR THE DAY.

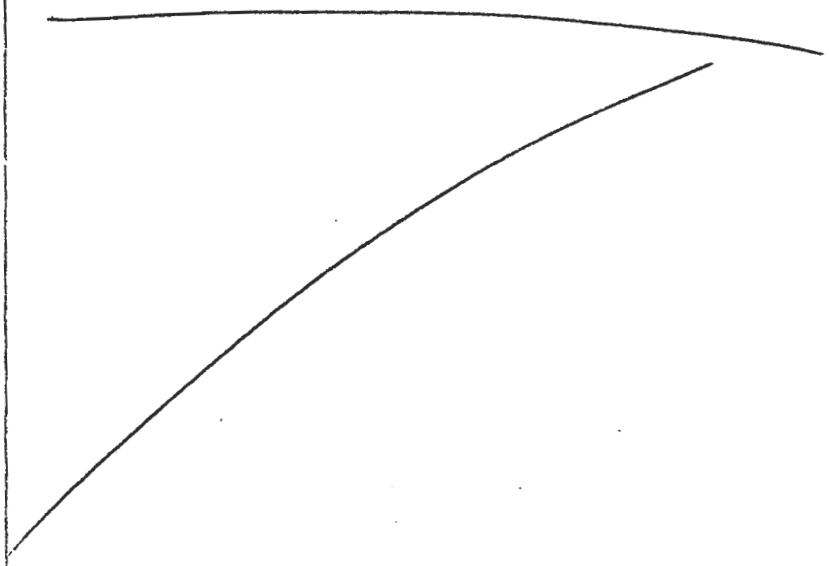
10-20-00

1035 BUCKETS SUNNY HOW TOS

SSO TALKED TO PARSONS ABOUT GEOPHYSICAL WORK IN THE NEXT AREA of 44A. IF THEY DON'T FINISH COLLECTING DATA AND REACQUIRE SO USA CAN DIG WE MAY BE OUT of WORK BY CLOSE of BUSINESS TUESDAY

- PARSONS NOT ON SITE AGAIN TODAY
- SIFTED 1035 BUCKETS TODAY
- RANDALL 30MIN LATE for WORK THIS MORNING.

SUXOS off TODAY



10-21-00 SUNNY 71°

0700 TAILGATE SAFETY BRIEF,

* CLEANED OUT UNDER FINES BELT, PHIL KENDALL LOST RADIO IN FINES PILE, HE TOOK HIS JACKET OFF ~~TO CLEAN OUT~~ WHILE HE WAS CLEANING OUT THE FINES FROM UNDER THE SIFTER AND THE RADIO EVIDENTLY FELL OR WAS BURIED IN THE FINES,

* SUXOS MEASURING THE DISTANCE FROM THE NORTH EAST CORNER OF THE SITE TO THE NEAREST ROAD, THIS IS BEING DONE AT THE DIRECTION OF TO CEHNC SAFETY REP. TAPE WAS PULLED TO SIX HUNDRED FEET IN 2 DIRECTIONS (CLOSEST POINTS TO ROAD) AND DID NOT HIT THE ROAD IN EITHER DIRECTION.

1202 SHUT SIFTER DOWN, BELT CLOGGED.

1235 SIFTER UP

* RADIO FOUND, IT STILL WORKS, NO HARM NO FOUL.

1236 ~~START~~ BLOWER ON SIFTER ISN'T WORKING

1301 SIFTER & BLOWER UP.

* SESSLER WORKED THE N/E CORNER BETWEEN THE BACKFENCE AND BERM IN PREPARTION FOR PARSONS PERS.

1540 DRUM STOPPED

1545 SIFTER UP

10-21-00

1546 SIFTER DOWN TO CLEAN RIBS ON DRUM

1611 SIFTER UP,

1715 WRAPPED UP FOR THE DAY

881 BUCKETS SIFTED TODAY.

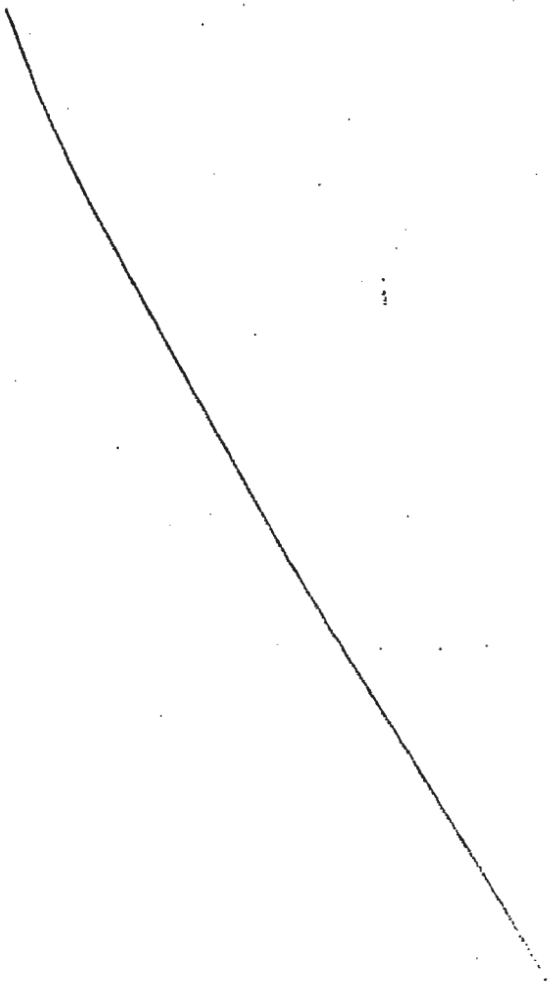
SUNNY, COOL 50s

10-23-00

CONTINUED SIFTING

PARSONS ON SITE.

SUNOS OFF



10-24-00

0700 TAILGATE SAFETY BRIEF

* TEAM 2 CLEANED SIFTER DRUM AND AREA AROUND FINES BELT,

* SIFTING OVERSIZE

1120 PARSONS ON SITE TO RE ACQUIRE CONTACTS, CEASED OPERATIONS, SO PARSONS COULD "PROFILE" SITE

1135 SIFTER BACK ON THE LINE,

* SUBMITTED ~~BR~~ PO FOR TONER CART. ALSO SUBMITTED PETTY CASH REQUEST.

* SUXOS TALKED TO C. SESSLER, HE WANTS TO BRING IN ANOTHER TYPE OF SIFTER TO TRY TO BREAK UP THE MUD BALLS IN THE OVERSIZE. PRESENTLY WE ARE SIFTING THE OVERSIZE BUT THE MUD BALLS ARE GOING RIGHT ON THROUGH AND BACK INTO THE OVERSIZE WITH LITTLE OR NO SOIL GOING TO THE FINES. PASSED THIS INFORMATION ON TO THE PM.

1615 PARSONS CALLED SESSLER HAD DISKED GRID G-6 BEFORE PARSONS HAD FINISHED IN THE GRID, SUXOS DIRECTED THE GRID BE PUSHED CLEARS OF THE

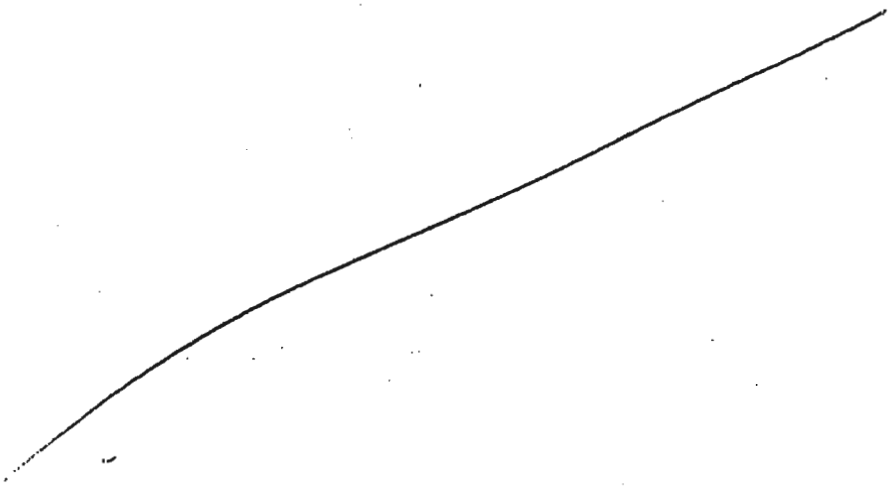
10-24-00

DISKED SOIL SO THEY COULD FINISH.

1625 PARSONS CALLED AGAIN THE AREA THAT WAS DISKED WILL HAVE TO BE REDONE, DISKING ~~WAS~~ RUINED THE CONTACTS MAKING THE DATA THAT WAS COLLECTED INVALID, SESSLER TOLD TO STAY THE HELL OUT OF THE LAST THIRD UNTIL PARSONS IS DONE.

1635 PARSONS CALLED AGAIN, THE DISKING OP TURNED UP ALOT of 40MM SCRAP - I DIRECTED THAT THAT GRID BE RESCRAPPED AND THE SOIL BE PUSHED INTO AN EXISTING PILE FOR SIFTING. NOTIFIED PARSONS AS TO WHAT IS HAPPENING.

NOTIFIED PM AS TO WHAT WAS HAPPENING



10-25-00

0700 TAIL GATE SAFETY BRIEF.
HEAVY FOG THIS MORNING VIS. DOWN TO 400 FT.

RE
~~0750~~ USA ON SITE TO DIG HITS FLAGGED BY PARSONS YESTERDAY.

* IN ORDER TO AVOID FURTHER CONFUSION AS TO WHICH GRIDS HAVE BEEN COMPLETED BY PARSONS AND WHICH GRIDS ARE READY FOR GEOPHYSICAL INVESTIGATION WE WILL EXCHANGE ~~USE~~ MAPS AS THE AREAS ARE PREPARED.

* SESSLER BROUGHT A THIRD SIFTER ON SITE IN AN EFFORT TO BUST UP THE MUD CLOD~~DED~~S (RE)

* USA COMPLETED DIGGING THE ANOMALIES IN THE 4 GRIDS SWEPT BY PARSONS (H4H-9, I-9, J-9, J10) NO SIGNIFICANT OE ITEMS WERE RECOVERED.

1415 PARSONS ON SITE TO WORK SOUTH of THE BOUNDRY LINE, THEY WILL WORK WEST of THE F LINE.

10-25-00

PARSONS PERSONNEL WANDERED INTO OUR 400 FT EXCLUSION ZONE WITHOUT CALLING ON THE RADIO SO WE COULD STOP WORK. SUXOS TOLD THEM THAT IF THEY COULD NOT FOLLOW THE RULES THEY COULD LEAVE.

SIFTER DOWN COUPLER BROKE ON SHAKER.

10-26-00

0700 TAILGATE SAFETY BRIEF

WE WILL START WORK AT 0630 ON MONDAY WHEN DAY LIGHT SAVINGS TIME ENDS

* PARSONS ON SITE TO WORK SOUTH SIDE OF 44A. SUXOS COULD NOT GIVE THE AN AREA THAT WAS NOT WITHIN 400 FT OF OUR OPERATION SO THEY WERE REFUSED ACCESS TO THE SITE.
* LAST NIGHT WE WERE NOTIFIED OUR LEASES ON OUR APARTMENTS WERE UP ON 31 OCT 00, SUXOS CALLED EODT CORP. OFFICE (TERI VOLAND) TO HAVE THEM EXTENDED TO THE END OF THE OP.
* EODT PERS. CLEANING SIFTER THAT IS TO BE RETURNED TO EMPIRE SCREEN.
* TECH REP ON SITE TO FIX SIFTER.
* SESSLER PERS.. PUSHING SOIL IN MIDDLE AND BACK THIRDS.

1145 SIFTER BACK ON LINE.

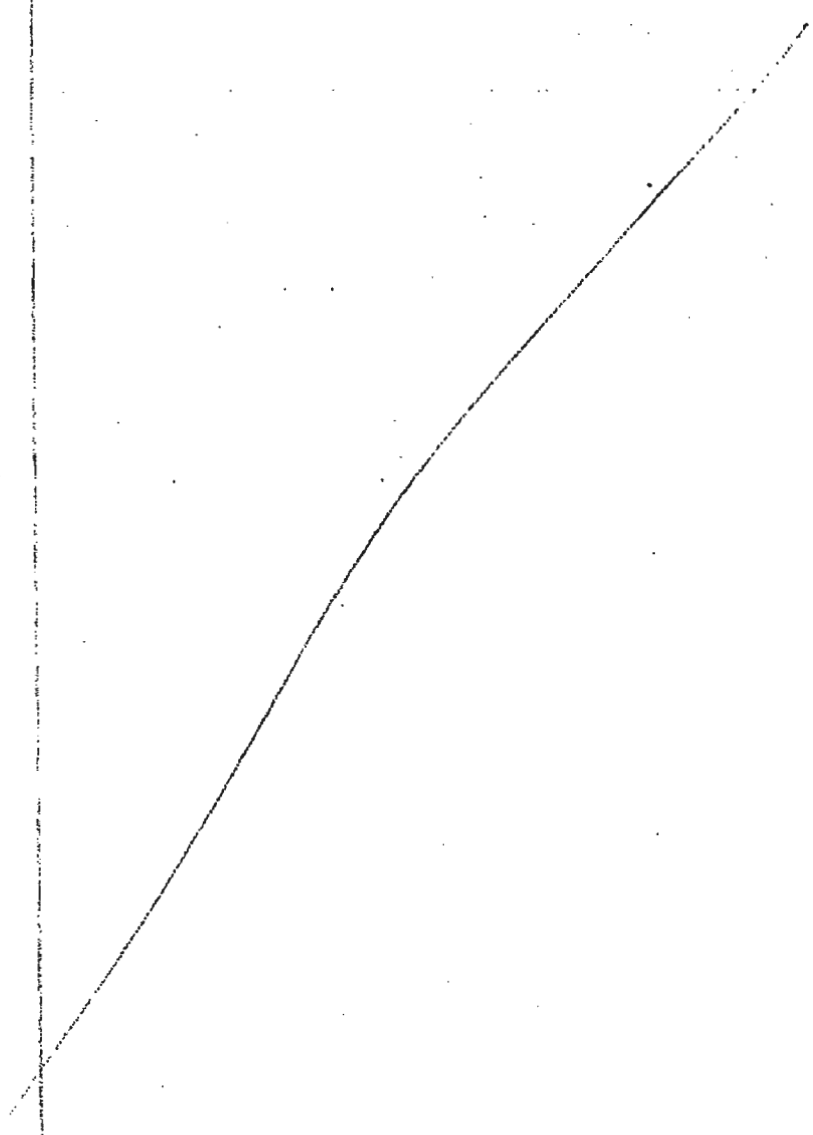
1500 SUXOS INSPECTED OVERSIZE PILE (SIFTING STILL IN PROGRESS) THERE ARE STILL MUD BALLS IN THE OVERSIZE

SUNNY

10-26-00

NONE WERE LARGER THEN THE 2"x 2" CRITERIA OUTLINED IN THE WORK PLAN.

FAXED EODT PM PHIL CURRY A MEMO CONCERNING THE PARSONS/EODT WORKING RELATIONSHIP IN 44A.



10-27-00

0700 TAILGATE SAFETY BRIEF, RANDY HARRIS CEHNC WILL BE OUR COE SAFETY REP NEXT WEEK.

* BOB BOHANNON, CEHNC-OE-S NOT ON SITE - HE IS RETURNING TO HUNTSVILLE.

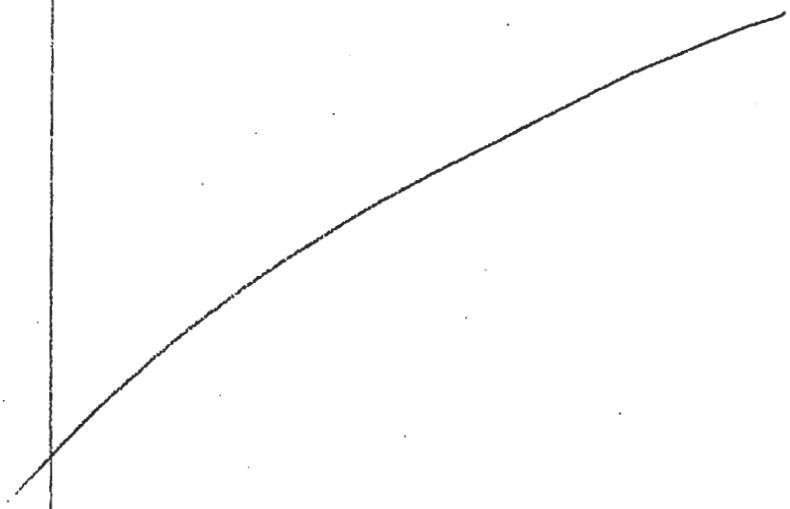
* SIFTING OVERSIZE IN FIRST THIRD OF SITE,

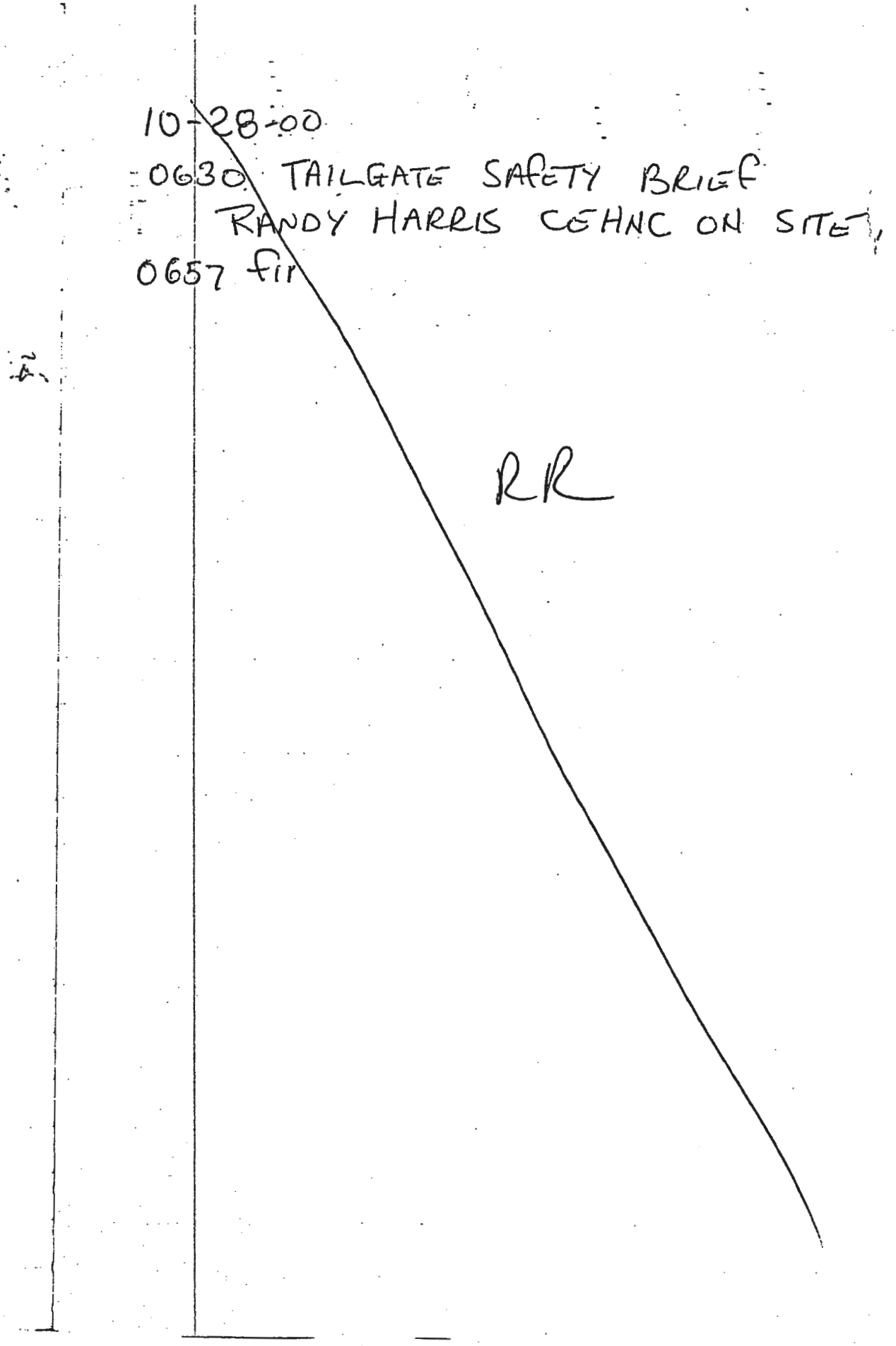
* CONDUCTED WEEKLY MAGAZINE INSPECTION,

1300 COMPLETED RESIFT OF OVERSIZE IN THE FIRST THIRD OF 44A MOVED SIFTER TO NORTH EAST CORNER OF BACK THIRD of ~~GRT~~ AREA.

1400 SIFTER BACK IN OPERATION, SIFTING IN BACK THIRD,

926 BUCKETS TODAY




10-28-00
0630 TAILGATE SAFETY BRIEF
RANDY HARRIS CEHNC ON SITE
0657 fin
RR

10-28-00

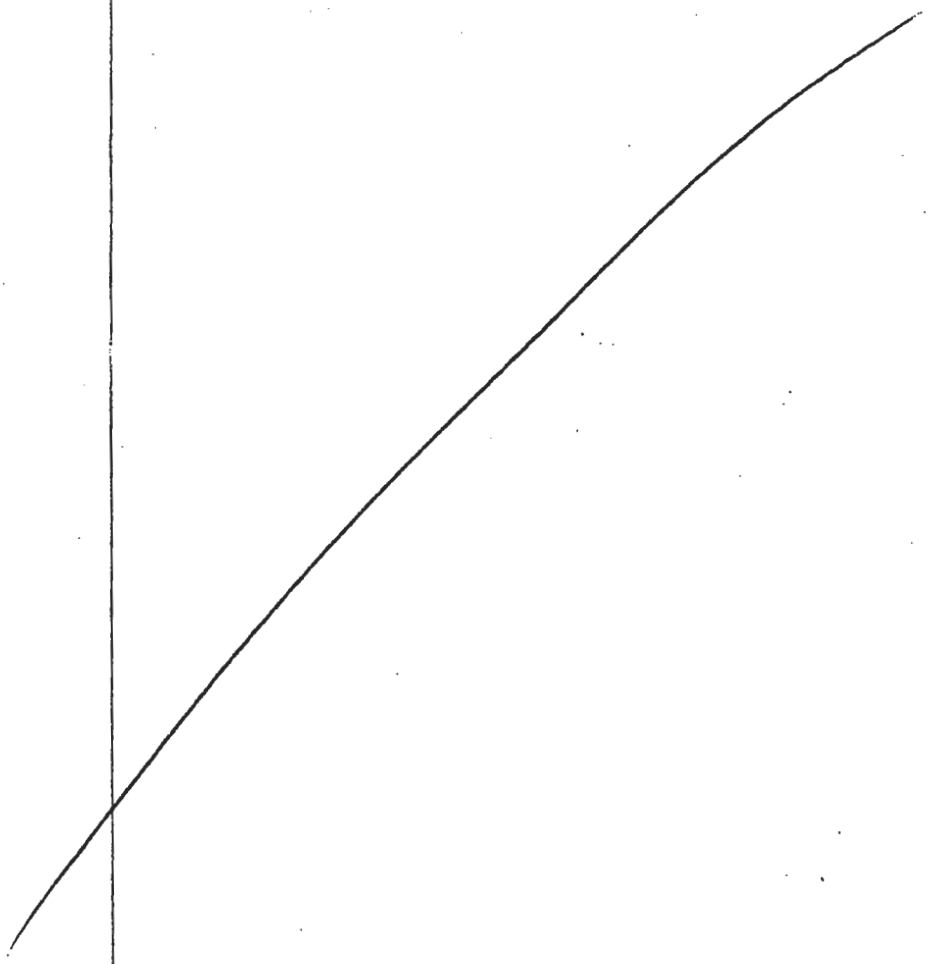
SUNNY

SIFTED 982 BUCKETS

TODAY. WEATHER COLD

WINDY

SUXOS OFF



SUNNY COLD 30-40°

10-30-00

0630 TAILGATE SAFETY BRIEF.
RANDY HARRIS CEHNC ON SITE

0657 FIRST BUCKET LOAD TO SIFTER,

* PHONCON WITH PM, PROJECT IS RUNNING OUT OF MONEY (SESSLER) WE CAN ONLY WORK TILL WEDNSDAY, 1 NOV. 00. PHAN ON DEMOB AGAIN.
* SUXOS CALLED WEB KELLER TO INFORM HIM OF WHATS GOING ON. ALL EODT PERSONNEL WILL WOEK TUESDAY.
* PM EXTENDED APARTMENTS FOR ONE WEEK.
* PARSONS ON SITE, COLLECTING DATA IN FIRST THIRD OF 44A.
* SIFTER CLOGGED DOWN FOR 1 HR 20 MIN,
* REPLACING UPPER AND LOWER SCREENS ON SIFTER,
* APPROX 30% of BACK BERM COMPLETED
* ~~SENT UPA LR~~

NO LIC FOR F-150 YET.

COLD / CLEAR

10-31-00

0630 TAILGATE SAFETY BRIEF.

* PARSONS ON SITE TO COLLECT DATA,
* SESSLER PUSHED PART OF THE FINES PILE AND THE BRUSH PILE TO CLEAR THE CORNERS OF TWO GRIDS SO PARSONS COULD FINISH COLLECTING DATA,
* EODT & SESSLER COMPLETED CHANGING SCREENS ON SIFTER. SIFTER UP AND RUNNING,
* CALLED PM NO WORD ON WHETHER OR NOT WE ARE STAYING YET,
* CALLED SESSLER. HE IS PLANNING ON WORKING THE REST OF THE WEEK AND THEN SEE WHAT HAPPENS. EODT WILL SUPPORT OPERATIONS UP UNTIL FRIDAY (COMPLETION OF WORK) ALL HANDS WILL COME IN MONDAY. WHETHER OR NOT WE WORK IS STILL UNDECIDED,
* CONTINUED SIFTING AS BEFORE SOIL STILL DAMP IN SPOTS BUT THINGS ARE STARTING TO DRY OUT. SIFTED 1101 BUCKETS (2,202 CU YDS) NO OE FOUND,
* STILL NOT TAG FOR F-150. ADVISED OFFICE OFS

11-1-00

TAIL GATE SAFETY BRIEF. HIC FOR F-150 REC'D AT WEB KELLERS APARTMENT YESTERDAY. NOTIFIED D. ROYSTER THAT TEMP. TAG HAD ARRIVED

* CONTINUED SIFTING OPERATIONS AS BEFORE.
* USA ON SITE TO DIG ANOMALIES MARKED BY PARSONS ENGINEERING.
* CALLED EODT CORP. TO FIND OUT WHAT OUR STATUS IS. NO NEWS YET. SESSLER CALLED, WANTED TO KNOW THE SAME THING.
* SSO SENT MEMO TO CORP. SAFETY, MORALE IS A SAFETY ISSUE TROOPS IN THE FIELD WORRIED ABOUT JOBS NOT WORK SOMEONE COULD GET HURT.
* REC'D WORD FROM EODT PM PHIL CURRY TO DEMOB ASAP (THIS WEEK
* ARRANGED TO HAVE BOB CHAPMAN AND ROGER RANDALL DRIVE TWO OF THE VEHICLES DRIVEN TO TN. ONE VEHICLE WILL TOW THE F-150.
* ARRANGED TO HAVE PORT-A-POTTIES AND WATER PICKED UP.

11-1-00

* USA REPORTED FINDING ANOTHER M-407 40MM GRENADE IN 4HA. NOTIFIED EODT PM.
* NOTIFIED PRISON & FIRE DEPT. of PENDING DEMO SHOT.
* SIFTED 10/0 BUCKETS

11-2-0

TAILGATE SAFETY BRIEF

* SESSLER REMOVING EQUIPMENT FROM SITE 44A

* COMMENCED PACKING EQUIPMENT IN VAN

DEMO OPS- DESTROY REMAINING EXPLOSIVES. CLEANED OUT MAG (EXPLOSIVE BUNKER) AND TURNED IN KEYS TO OE BUNKERS TO STEVE ABSOLON. SEAD BRAC officer,

* TURNED PETTY CASH FUND OVER TO WEB KELLER, FAXED LETTER TO PM,

* PARSONS ON SITE IN 44A. SUXOS VERIFIED WITH SESSLER THAT ALL AREAS EXCEPT ONE SMALL AREA BY THE BACK BERM (APPROX 100 FT X 100 FT) WHICH HAD BEEN CUT TO ONE FT. BUT NOT PUSHED,

APPENDIX G

Figure G-1 Equipment Preparing to enter 44A.

Figure G-2 Moving sifter onto 44A.

Figure G-3 Moving sifter.

Figure G-4 Soil being laced into drying piles.

Figure G-5 Fast view 44A.

Figure G-6 South view.

Figure G-7 Positioning sifter.

Figure G-8 Positioning sifter for operations.

Figure G-9 Non-OE scrap.

Figure G-10 East view from gate area.

Figure G-11 Southeast view from gate.

Figure G-12 Subcontractor draining rainwater from 44A.

Figure G-13 Draining water for the site.

Figure G-14 Breaking up soil for sifting.

Figure G-15 M407 40mm grenade.

Figure G-16 South view.

Figure G-17 Piling soil to be sifted

Figure G-18 Clearing vegetation.

Figure G-19 West view towards gate.

Figure G-20 Material to be sifted.

Figure G-21 South view.

Figure G-22 Subcontractor servicing excavation equipment.

APPENDIX H

APPENDIX H

(Video submitted separately with Final Report)