APPENDIX F

APPENDIX F-1
SURVEY OPERATIONS SUMMARY REPORT

SUMMARY REPORT

Remedial Action in Charlie Area
SURVEY OPERATIONS
at Fort McClellan, Alabama

Prepared For:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE

Unrestricted Comprehensive Environmental Contract
Contract Number: W912DY-04-D-0011
Delivery Order 0010

Prepared By:
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September 2009

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Appendix A Survey Base Maps and Points

1.0 INTRODUCTION

Tetra Tech EC, Inc. prepared this Summary Report for completion of Survey activities at Fort McClellan, Alabama for the U.S. Army Engineering and Support Center, Huntsville. This deliverable is submitted in accordance with the payment milestone schedule in Modification 01 of the contract.

1.1 AUTHORIZATION

This project was authorized on October 10, 2008 as Task Order 0010, under Contract, W912DY-04-D-0011, Charlie Area Remedial Action, Fort McClellan, Alabama. Modification 01 was issued on October 10, 2008 to incorporate the payment milestone schedule. On June 24, 2009 a second modification was issued to incorporate a revised PWS, increase funding, and extend the period of performance. On August 21, 2009, Modification 03 to Contract W912DY-04-D-0011 was issued to TtEC for MEC work in several additional areas at Fort McClellan. All surveying has been executed in accordance with the TO, Performance Work Statement, approved Work Plan, technical instructions, and other contract direction.

1.2 PURPOSE AND SCOPE

The purpose of the overall project is to provide all Munitions Response services necessary to accomplish a Remedial Action at selected sites. These sites are Range 24a, 81mm Mortar Range, Bains Gap Range, and Range 20, Priority Area 1 (Echo), Priority Area 1a (Foxtrot), Priority Area 3 (Golf), and Priority Area 4 (Hotel). This summary report details the procedures and deliverables related to the survey of these sites.

1.2.1 GPS Field Procedures:

The boundary and grid corner setout was conducted by a Registered Land Surveyor (RLS) (Tetra Tech, Orlando, Florida, Alabama License Number 29414-S). All work was carried out in accordance with the requirements outlined in DID MR-005-07.01. The survey control point used for sites: Range 24A, 81mm Mortar Range, Range 20 and Basins Gap Range, Priority Area 1 (Echo), Priority Area 1a (Foxtrot), Priority Area 3 (Golf), and Priority Area 4 (Hotel) are based on NGS Survey control point "8-15" (PID DG3703), having a coordinate value of N1168328.9712, E653991.6178, NAD 83 (2007), Alabama East Zone, US Feet, and was verified by using NGS Online Positioning User Service (OPUS) with a minimum of 30 minutes occupations. Topcon's GR3 GPS unit with GPS/GLONASS with L1 and L2 signal was used for all the GPS control points for this project, a routine maintenance/calibration is performed on this unit on a 6 months basis by IRI Incorporated located in Orlando Florida to insure that the unit is in proper working order.

1.2.2 Standard Survey Procedures:

Setting the survey Grid and Boundaries points for sites: Range 24A, 81mm Mortar Range, Range 20 and Basins Gap Range, Priority Area 1 (Echo), Priority Area 1a (Foxtrot), Priority Area 3 (Golf), and Priority Area 4 (Hotel) were established by using conventional survey procedures using Topcon's GPT-2003 total Station. Each point was set by occupying one of the GPS control points previously established and performing a back-site check to confirm correct occupation of control points. When Traversing was performed along the Boundaries and establishing the grids points, a final check-in was performed to insure no open-end traverse legs. A routine maintenance/calibration is performed on the GPT-2003 on a 6 months basis by IRI Incorporated located in Orlando Florida to insure that the unit is in proper working order.

Table 1-1
Survey Requirements

Survey Stakes	° 18in. wooded stake placed at a height no greater than 12 inches above ground surface. ° Metal Nail with washer placed adjacent to corner stake. ° Stake painted orange or marked with flagging material and marked with proper ID in permanent ink.
Personnel Requirements	° Registered Land Surveyor- Boundary/ Grid setout. ° UXO Tech II – MEC Avoidance.
Datum	AL State Plane NAD 83 / FT.
Control Points Accuracy	Horizontal Accuracy ≤ 2in for known control point. ≤ 12in for temporary control point.
Boundary Survey Grid/ Setout Accuracy	Horizontal Accuracy ≤ 12in for boundary and grid points.
Monuments	° Monuments will be identified with brass, bronze or aluminum alloy caps. ° Will be stamped in a consecutively numbered sequence. ° Dyes the monument caps will be between 1/8-inch to 3/16- inch in size. ° All coordinates and elevations will be shown to the closest one-hundredth of a foot (0.01 ft).
Daily Instrument Check	° Start and end of operations. ° ±2in at known monument, ±12in at grid corner points.

2.0 DOCUMENTATION

2.1 SURVEY BASE MAP

Survey Base Maps and Points for each of the ranges are included in Appendix A.

3.0 SUMMARY

The survey at selected sites at Fort McClellan was performed in accordance with accepted industry practices, the Task Order, Performance Work Statement, approved Work Plan, technical instructions, the approved Explosive Safety Submission (ESS), and other contract direction.

APPENDIX A

SURVEY BASE MAPS AND POINTS

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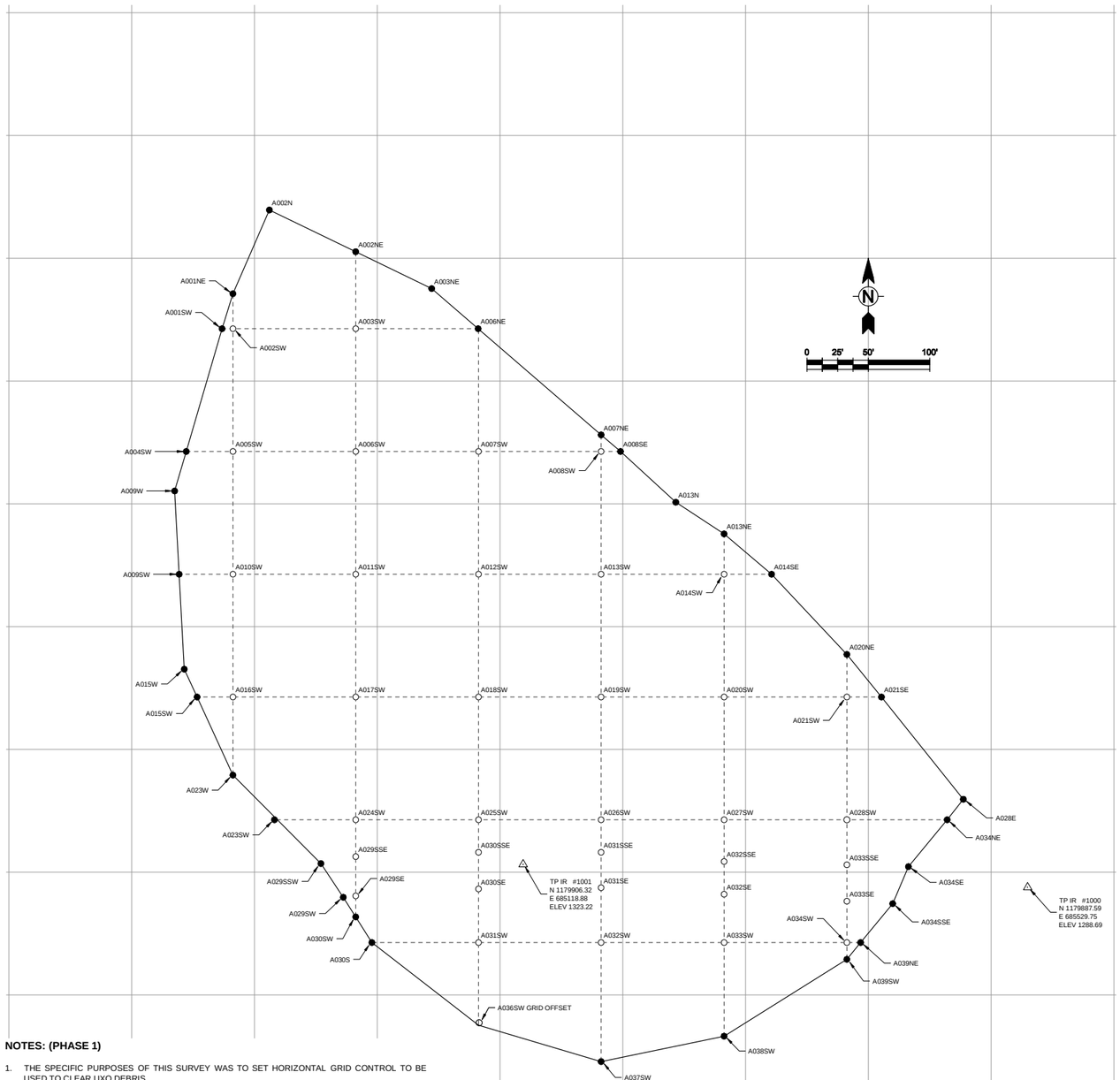


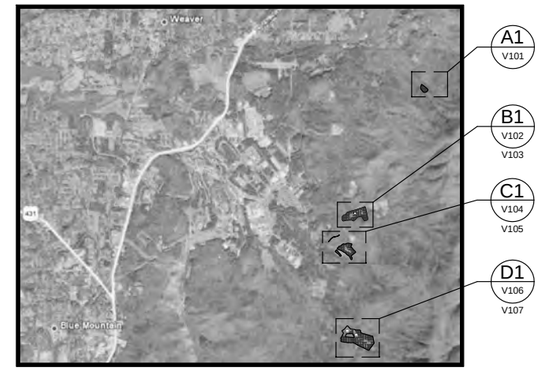
81MM SITE (A1)

SCALE: 1"=50'

NOTES: (PHASE 1)

1. THE SPECIFIC PURPOSES OF THIS SURVEY WAS TO SET HORIZONTAL GRID CONTROL TO BE USED TO CLEAR UXO DEBRIS.
2. THE FIELD SURVEY WAS PERFORMED FROM APRIL 1, 2009 THROUGH JUNE 22, 2009.
3. ALL HORIZONTAL COORDINATE VALUES ARE BASED ON NAD 83 (2007), ALABAMA EAST ZONE, US FEET.
4. THE SURVEY CONTROL POINT SHOWN ARE BASED ON NGS SURVEY CONTROL POINT "8-15" (PID DG3703), HAVING A COORDINATE VALUE OF N1168328.9712, E653991.6178, NAD 83 (2007), ALABAMA EAST ZONE, US FEET, AND WAS VERIFIED BY USING NGS ONLINE POSITIONING USER SERVICE (OPUS). THE BASED STATIONS USED BY OPUS WERE:

PID DESIGNATION	LATITUDE	LONGITUDE
DH3584 GACL CARROLLTON CORS ARP	N333757.739	W0850920.588
DI4036 AL40 ALDOT 4 DIV OFF CORS ARP	N325745.644	W0860022.645
DH3600 GANW NEWNAN CORS ARP	N331820.801	W0844602.483
DI2226 AL30 ALDOT 3 DIV OFF CORS ARP	N333156.440	W0865112.265
DK7412 HGIS HUNTSVILLE GIS CORS ARP	N344341.176	W0863512.062
DH3592 GAGR GRIFFIN CORS ARP	N331340.068	W0841640.562
DI3824 AL60 ALDOT 6 DIV OFF CORS ARP	N322440.923	W0861613.947
DH3594 GALV LAWRENCEVILLE CORS ARP	N335840.382	W0835848.728
DI2228 AL50 ALDOT 5 DIV OFF CORS ARP	N331004.685	W0873005.426



KEY PLAN - PHASE 1

SCALE: 1"=6000'

BOUNDARY POINTS

POINT TABLE			
	DESCRIPTION	NORTHING	EASTING
	A001NE	1180371.1	684882.4
	A001SW	1180342.6	684873.6
	A002N	1180439.3	684912.2
	A002NE	1180405.3	684982.4
	A003NE	1180375.2	685044.3
	A004SW	1180242.6	684844.4
	A006NE	1180342.6	685082.2
	A007NE	1180256.1	685182.4
	A008SE	1180242.6	685198.1
	A009SW	1180142.6	684838.7
	A009W	1180210.4	684835.0
	A013N	1180201.3	685243.2
	A013NE	1180175.5	685282.4
	A014SE	1180142.6	685321.2
	A015SW	1180042.6	684853.2
	A015W	1180065.2	684842.9
	A020NE	1180077.3	685382.4
	A021SE	1180042.6	685410.7
	A023SW	1179942.6	684916.2
	A023W	1179978.9	684882.4
	A028E	1179959.3	685477.3
	A029SSW	1179906.9	684954.1
	A029SW	1179879.5	684972.4
	A030S	1179842.6	684995.6
	A030SW	1179863.5	684982.4
	A034NE	1179942.6	685464.2
	A034SE	1179904.4	685432.6
	A034SSE	1179874.2	685419.8
	A037SW	1179745.7	685182.4
	A038SW	1179766.3	685282.4
	A039NE	1179842.6	685393.7
	A039SW	1179828.9	685382.4

INTERIOR POINTS

POINT TABLE			
	DESCRIPTION	NORTHING	EASTING
	A002SW	1180342.6	684882.4
	A003SW	1180342.6	684982.4
	A005SW	1180242.6	684882.4
	A006SW	1180242.6	684982.4
	A007SW	1180242.6	685082.4
	A008SW	1180242.6	685182.4
	A010SW	1180142.6	684882.4
	A011SW	1180142.6	684982.4
	A012SW	1180142.6	685082.4
	A013SW	1180142.6	685182.4
	A014SW	1180142.6	685282.4
	A016SW	1180042.6	684882.4
	A017SW	1180042.6	684982.4
	A018SW	1180042.6	685082.4
	A019SW	1180042.6	685182.4
	A020SW	1180042.6	685282.4
	A021SW	1180042.6	685382.4
	A024SW	1179942.6	684982.4
	A025SW	1179942.6	685082.4
	A026SW	1179942.6	685182.4
	A027SW	1179942.6	685282.4
	A028SW	1179942.6	685382.4
	A029SE	1179880.5	684982.4
	A029SSE	1179912.6	684982.4
	A030SE	1179886.3	685082.4
	A030SSE	1179916.1	685082.4
	A031SE	1179887.3	685182.4
	A031SSE	1179916.1	685182.4
	A031SW	1179842.6	685082.4
	A032SE	1179881.9	685282.4
	A032SSE	1179908.7	685282.4
	A032SW	1179842.6	685182.4
	A033SE	1179876.3	685382.4
	A033SSE	1179905.9	685382.4
	A033SW	1179842.6	685282.4
	A034SW	1179842.6	685382.4

OFFSET POINTS

POINT TABLE			
	DESCRIPTION	NORTHING	EASTING
	A036SW GRID OFFSET	1179777.3	685082.9

SHEET INDEX - PHASE 1	
Sheet Number	Sheet Title
V101	81MM SITE
V102	BAINS GAP RANGE - PLAN
V103	BAINS GAP RANGE - POINT LIST
V104	RANGE 20 - PLAN
V105	RANGE 20 - POINT LIST
V106	RANGE 24A - PLAN
V107	RANGE 24A - POINT LIST

ABBREVIATIONS

ANT	ANTENNA	EM	ELECTRIC METER	JBL	JURISDICTIONAL BOUNDARY
BM	BENCHMARK	ET	ELECTRIC TRANSFORMER	LWE	LINE WALL
CO	CLEANOUT	F	FOUND	(M)	MEASURED
CONC	CONCRETE	FF	FINISHED FLOOR	MB	MAILBOX
CM	CONCRETE MONUMENT	FH	FIRE HYDRANT	MH	MANHOLE
CMP	CORRUGATED METAL PIPE	FO	FIBER OPTIC	MW	MONITORING WELL
CPP	CORREGATED PLASTIC PIPE	G	GAS	ND	NAIL & DISK
(D)	AS DESCRIBED	GM	GAS METER	NL	NAIL
DI	DRAINAGE INLET	GV	GAS VALVE	OE	OVERHEAD UTILITY LINES
DIP	DUCTILE IRON PIPE	IV	IRRIGATION	OR	OFFICIAL RECORDS
DH	DRILL HOLE	IP	IRON PIPE	P	POST
EB	ELECTRIC RISER	IR	IRON ROD	(P)	PER PLAT
ELEC	ELECTRIC	IRRV	IRRIGATION VALVE	PB	PLAT BOOK

PG	PAGE	TEL	TELEPHONE
PK	PK NAIL	TP	TRANSFER POINT
RCP	REINFORCED CONC PIPE	TSC	TRAFFIC SIGNAL CONTROL
RR	RAILROAD	TSP	TRAFFIC SIGNAL POLE
RW	RECLAIMED WATER	TV	CABLE TELVISION
S	SOUTH	UE	UNDERGROUND UTILITY LINES
SC	SECTION CORNER	W	WATER
SH	SPRINKLER HEAD	WH	WOODEN HUB
SPIG	WATER SPIGOT	WM	WATER METER
SS	SANITARY SEWER	WV	WATER VALVE
ST	STORM SEWER	XC	X CUT
SV	SANITARY SEWER VALVE		
TB	TELEPHONE RISER		

LEGEND

BENCHMARK	CLEANOUT	MAIL BOX	UTILITY MARKER (AS SHOWN)
NAIL & DISK	DECIDUOUS TREE	PALM TREE	UTILITY MANHOLE (AS SHOWN)
TRAVERSE POINT	ELECTRIC TRANSFORMER	POST	UTILITY METER (AS SHOWN)
SET 60d NAIL (EXTERIOR)	EVERGREEN TREE	SATELITE DISH	UTILITY RISER (AS SHOWN)
SET 60d NAIL (INTERIOR)	FIRE HYDRANT	SPIGOT	UTILITY VALVE (AS SHOWN)
FOUND MONUMENT (TYPE)	FLAG (AS SHOWN)	SPRINKLER HEAD	UTILITY POLE (AS SHOWN)
SET MONUMENT (TYPE)	GUY ANCHOR	TRAFFIC SIGN	WELL
SECTION CORNER	LIGHT POLE		

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LAWRENCE E. JENKINS
PROFESSIONAL SURVEYOR AND MAPPER FLORIDA REGISTRATION #5364
TETRA TECH LB 1425

MARK	DATE	DESCRIPTION	BY

TETRA TECH
www.tetratech.com
201 EAST PINE STREET, SUITE 1000
ORLANDO, FLORIDA 32801
PHONE: (407) 839-3955 FAX: (407) 839-3790

Client: U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
Proj. Loc.: FORT McCLELLAN, AL

FORT McCLELLAN
SPECIFIC PURPOSE SURVEY
81MM SITE
SECTION 12 - T 12 S- R 08 E

Project No.: 200-04546-09004
Designed By:
Drawn By: CIS
Checked By: LEJ

V101

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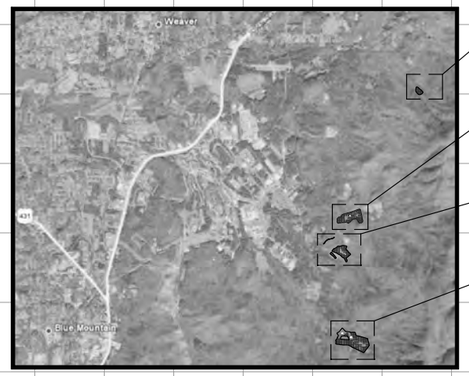
Wednesday, May 05, 2010 10:10:10 AM DRAWING: P:\200-04546-09004 - Ft McClellan\CAD\Survey\Dwg\V-XP SurveyAdd-1 .DWG LAYOUT: V101 USER NAME: SANFORD, CHADWICK



A1 V101

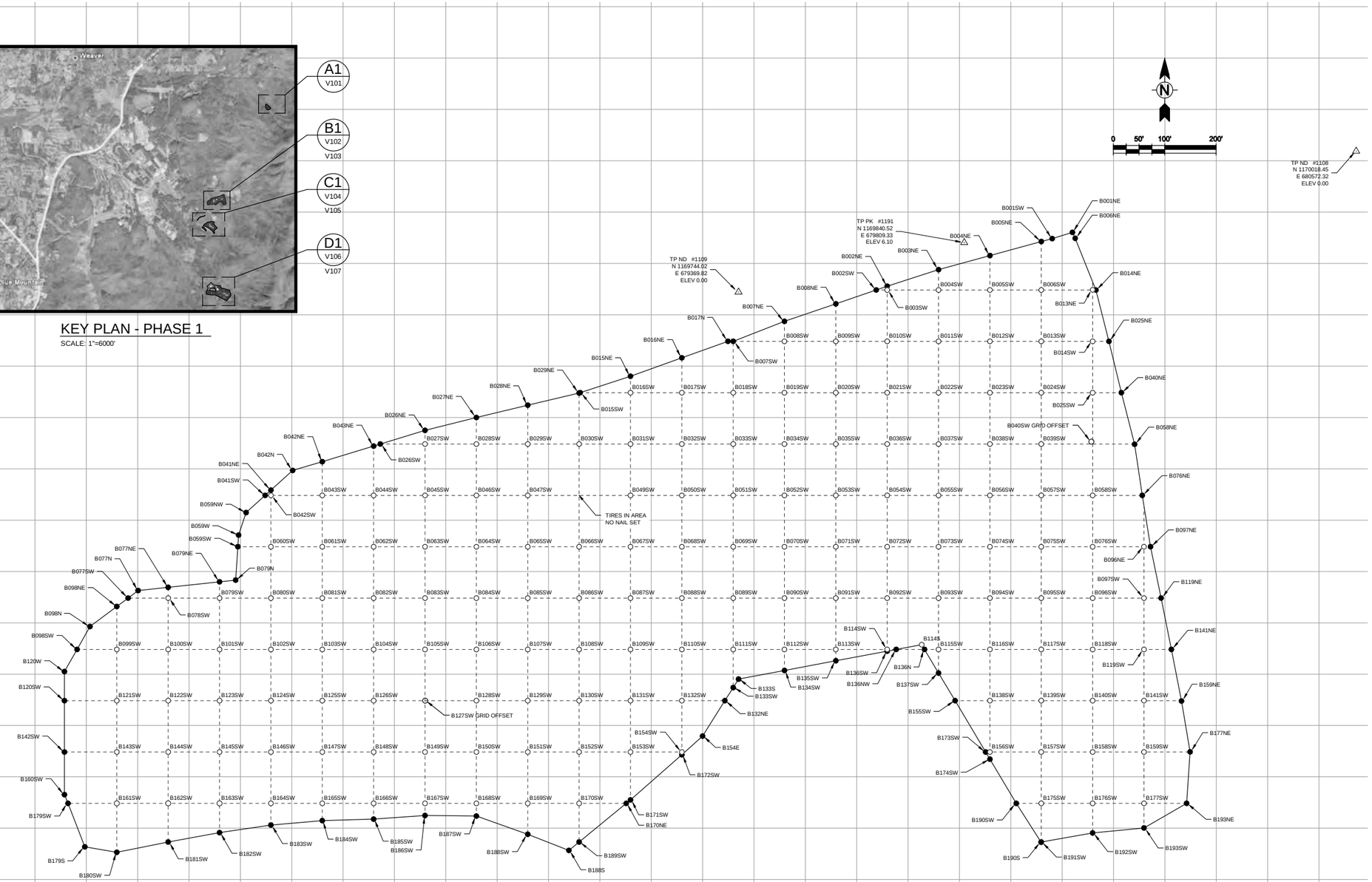
B1 V102 V103

C1 V104 V105

D1 V106 V107

KEY PLAN - PHASE 1

SCALE: 1"=6000'



BAINS GAP RANGE (B1)

SCALE: 1"=100'

NOTE:

SEE SHEET V103 FOR POINT LIST AND COORDINATES.

ABBREVIATIONS

EM	ELECTRIC METER	JBL	JURISDICTIONAL BOUNDARY
ET	ELECTRIC TRANSFORMER	LWL	LIVE WELL
F	FOUND	(M)	MEASURED
FF	FINISHED FLOOR	MB	MAILBOX
FH	FIRE HYDRANT	MH	MANHOLE
FO	FIBER OPTIC	MW	MONITORING WELL
G	GAS	ND	NAIL & DISK
GM	GAS METER	NL	NAIL
GV	GAS VALVE	OE	OVERHEAD UTILITY LINES
IV	IRRIGATION	OR	OFFICIAL RECORDS
IP	IRON PIPE	P	POST
IR	IRON ROD	(P)	PER PLAT
IRRV	IRRIGATION VALVE	PB	PLAT BOOK
ANT	ANTENNA	PG	PAGE
BM	BENCHMARK	PK	PK NAIL
CO	CLEANOUT	RCP	REINFORCED CONC PIPE
CONC	CONCRETE	RR	RAILROAD
CM	CONCRETE MONUMENT	RW	RECLAIMED WATER
CMP	CORRUGATED METAL PIPE	S	SEWER
CPP	CORREGATED PLASTIC PIPE	SC	SECTION CORNER
(D)	AS DESCRIBED	SH	SPRINKLER HEAD
DI	DRAINAGE INLET	SPIG	WATER SPIGOT
DIP	DUCTILE IRON PIPE	SW	SANITARY SEWER
DH	DRILL HOLE	ST	STORM SEWER
EB	ELECTRIC RISER	SV	SANITARY SEWER VALVE
ELEC	ELECTRIC	TB	TELEPHONE RISER
TEL	TELEPHONE		
TP	TELEPHONE POINT		
TSC	TRAFFIC SIGNAL CONTROL		
TSP	TRAFFIC SIGNAL POLE		
TV	CABLE TELVISION		
UE	UNDERGROUND UTILITY LINES		
W	WATER		
WH	WOODEN HUB		
WM	WATER METER		
WV	WATER VALVE		
XC	X CUT		

LEGEND

BM	BENCHMARK	CO	CLEANOUT
ND	NAIL & DISK		DECIDUOUS TREE
TP	TRAVERSE POINT	E	ELECTRIC TRANSFORMER
	SET 60d NAIL (EXTERIOR)		EVERGREEN TREE
	SET 60d NAIL (INTERIOR)		FIRE HYDRANT
F	FOUND MONUMENT (TYPE)		FLAG (AS SHOWN)
S	SET MONUMENT (TYPE)		GUY ANCHOR
SC	SECTION CORNER		LIGHT POLE
		MB	MAIL BOX
			PALM TREE
		P	POST
			SATELITE DISH
			SPIGOT
			SPRINKLER HEAD
			TRAFFIC SIGN
			UTILITY MARKER (AS SHOWN)
			UTILITY MANHOLE (AS SHOWN)
			UTILITY METER (AS SHOWN)
			UTILITY RISER (AS SHOWN)
			UTILITY VALVE (AS SHOWN)
			UTILITY POLE (AS SHOWN)
			WELL

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MARK	DATE	DESCRIPTION	BY

Client: U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
Proj. Loc.: FORT McCLELLAN, AL

FORT McCLELLAN
SPECIFIC PURPOSE SURVEY
BAINS GAP RANGE
SECTION 23 - T 24 S- R 08 E

Project No.:	200-04546-09004
Designed By:	
Drawn By:	CIS
Checked By:	LEJ

V102

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Wednesday, May 05, 2010 9:43:30 AM DRAWING: P:\200-04546-09004 - Ft McClellan\CADSurvey\Dwg\V-XP Survey\add-1 .DWG LAYOUT: V102 USER NAME: SAWFORD, CHADWICK

POINT LIST
BAINS GAP RANGE (B1)

BOUNDARY POINTS

POINT TABLE

DESCRIPTION	NORTHING	EASTING
B001NE	1169860.5	680019.9
B001SW	1169848.3	679980.5
B002NE	1169755.6	679659.4
B002SW	1169748.3	679638.1
B003NE	1169787.8	679759.4
B004NE	1169815.1	679859.4
B005NE	1169842.5	679959.4
B006NE	1169848.9	680025.4
B007NE	1169687.1	679459.4
B007SW	1169648.3	679359.4
B008NE	1169721.3	679559.4
B014NE	1169748.1	680065.7
B015NE	1169580.2	679159.4
B015SW	1169548.3	679061.7
B016NE	1169616.1	679259.4
B017N	1169648.3	679349.2
B025NE	1169648.2	680091.0
B026NE	1169474.8	678759.4
B026SW	1169448.3	678672.4
B027NE	1169500.0	678859.4
B028NE	1169524.0	678959.4
B029NE	1169547.6	679059.4
B040NE	1169548.3	680115.1
B041NE	1169358.4	678459.4
B041SW	1169348.3	678448.2
B042N	1169396.7	678501.8
B042NE	1169413.8	678559.4
B043NE	1169444.3	678659.4
B058NE	1169447.7	680140.9
B059NW	1169314.8	678411.2
B059SW	1169248.3	678395.1
B059W	1169271.0	678396.6
B076NE	1169348.3	680155.8
B077N	1169162.9	678200.8
B077NE	1169169.2	678259.4
B077SW	1169148.3	678181.4
B079N	1169183.3	678390.8
B079NE	1169179.9	678359.4
B097NE	1169248.3	680172.0
B098N	1169092.7	678107.3
B098NE	1169131.8	678159.4
B098SW	1169048.3	678082.1
B119NE	1169148.2	680192.5
B120SW	1168948.3	678057.6
B120W	1169005.0	678057.6
B132NE	1168948.3	679343.3
B133S	1168990.4	679369.9
B133SW	1168973.8	679359.4
B134SW	1169007.3	679459.4
B135SW	1169026.1	679559.4

POINT TABLE

DESCRIPTION	NORTHING	EASTING
B136N	1169048.3	679732.0
B136NW	1169048.3	679676.8
B136SW	1169045.0	679659.4
B137SW	1169002.3	679759.4
B141NE	1169048.2	680212.6
B142SW	1168848.3	678057.6
B154E	1168879.4	679299.7
B155SW	1168948.3	679791.6
B159NE	1168947.6	680232.2
B160SW	1168765.4	678057.6
B170NE	1168748.3	679151.2
B171SW	1168755.0	679159.4
B172SW	1168843.1	679259.4
B173SW	1168848.3	679851.1
B174SW	1168834.4	679859.4
B177NE	1168848.6	680249.0
B179S	1168663.7	678097.1
B179SW	1168748.3	678064.3
B180SW	1168653.2	678159.4
B181SW	1168673.1	678259.4
B182SW	1168691.3	678359.4
B183SW	1168706.2	678459.4
B184SW	1168714.9	678559.4
B185SW	1168717.7	678659.4
B186SW	1168724.6	678759.4
B187SW	1168723.7	678859.4
B188S	1168656.9	679039.6
B188SW	1168688.2	678959.4
B189SW	1168673.1	679059.4
B190S	1168672.8	679958.9
B190SW	1168748.3	679910.7
B191SW	1168672.9	679959.5
B192SW	1168690.9	680059.2
B193NE	1168748.5	680242.2
B193SW	1168700.5	680159.3

INTERIOR POINTS

POINT TABLE

DESCRIPTION	NORTHING	EASTING
B003SW	1169748.3	679659.4
B004SW	1169748.3	679759.4
B005SW	1169748.3	679859.4
B006SW	1169748.3	679959.4
B008SW	1169648.3	679459.4
B009SW	1169648.3	679559.4
B010SW	1169648.3	679659.4
B011SW	1169648.3	679759.4
B012SW	1169648.3	679859.4
B013NE	1169748.3	680059.1
B013SW	1169648.3	679959.4
B014SW	1169648.3	680059.4
B016SW	1169548.3	679159.4
B017SW	1169548.3	679259.4
B018SW	1169548.3	679359.4
B019SW	1169548.3	679459.4
B020SW	1169548.3	679559.4
B021SW	1169548.3	679659.4
B022SW	1169548.3	679759.4
B023SW	1169548.3	679859.4
B024SW	1169548.3	679959.4
B025SW	1169548.3	680059.4
B027SW	1169448.3	678759.4
B028SW	1169448.3	678859.4
B029SW	1169448.3	678959.4
B030SW	1169448.3	679059.4
B031SW	1169448.3	679159.4
B032SW	1169448.3	679259.4
B033SW	1169448.3	679359.4
B034SW	1169448.3	679459.4
B035SW	1169448.3	679559.4
B036SW	1169448.3	679659.4
B037SW	1169448.3	679759.4
B038SW	1169448.3	679859.4
B039SW	1169448.3	679959.4
B042SW	1169348.3	678459.4
B043SW	1169348.3	678559.4
B044SW	1169348.3	678659.4
B045SW	1169348.3	678759.4
B046SW	1169348.3	678859.4
B047SW	1169348.3	678959.4
B049SW	1169348.3	679159.4
B050SW	1169348.3	679259.4
B051SW	1169348.3	679359.4
B052SW	1169348.3	679459.4
B053SW	1169348.3	679559.4
B054SW	1169348.3	679659.4
B055SW	1169348.3	679759.4
B056SW	1169348.3	679859.4
B057SW	1169348.3	679959.4

POINT TABLE

DESCRIPTION	NORTHING	EASTING
B058SW	1169348.3	680059.4
B060SW	1169248.3	678459.4
B061SW	1169248.3	678559.4
B062SW	1169248.3	678659.4
B063SW	1169248.3	678759.4
B064SW	1169248.3	678859.4
B065SW	1169248.3	678959.4
B066SW	1169248.3	679059.4
B067SW	1169248.3	679159.4
B068SW	1169248.3	679259.4
B069SW	1169248.3	679359.4
B070SW	1169248.3	679459.4
B071SW	1169248.3	679559.4
B072SW	1169248.3	679659.4
B073SW	1169248.3	679759.4
B074SW	1169248.3	679859.4
B075SW	1169248.3	679959.4
B076SW	1169248.3	680059.4
B078SW	1169148.3	678259.4
B079SW	1169148.3	678359.4
B080SW	1169148.3	678459.4
B081SW	1169148.3	678559.4
B082SW	1169148.3	678659.4
B083SW	1169148.3	678759.4
B084SW	1169148.3	678859.4
B085SW	1169148.3	678959.4
B086SW	1169148.3	679059.4
B087SW	1169148.3	679159.4
B088SW	1169148.3	679259.4
B089SW	1169148.3	679359.4
B090SW	1169148.3	679459.4
B091SW	1169148.3	679559.4
B092SW	1169148.3	679659.4
B093SW	1169148.3	679759.4
B094SW	1169148.3	679859.4
B095SW	1169148.3	679959.4
B096NE	1169248.3	680159.4
B096SW	1169148.3	680059.4
B097SW	1169148.3	680159.4
B099SW	1169048.3	678159.4
B100SW	1169048.3	678259.4
B101SW	1169048.3	678359.4
B102SW	1169048.3	678459.4
B103SW	1169048.3	678559.4
B104SW	1169048.3	678659.4
B105SW	1169048.3	678759.4
B106SW	1169048.3	678859.4
B107SW	1169048.3	678959.4
B108SW	1169048.3	679059.4
B109SW	1169048.3	679159.4

POINT TABLE

DESCRIPTION	NORTHING	EASTING
B110SW	1169048.3	679259.4
B111SW	1169048.3	679359.4
B112SW	1169048.3	679459.4
B113SW	1169048.3	679559.4
B114S	1169057.6	679726.5
B114SW	1169048.3	679659.4
B115SW	1169048.3	679759.4
B116SW	1169048.3	679859.4
B117SW	1169048.3	679959.4
B118SW	1169048.3	680059.4
B119SW	1169048.3	680159.4
B121SW	1168948.3	678159.4
B122SW	1168948.3	678259.4
B123SW	1168948.3	678359.4
B124SW	1168948.3	678459.4
B125SW	1168948.3	678559.4
B126SW	1168948.3	678659.4
B128SW	1168948.3	678859.4
B129SW	1168948.3	678959.4
B130SW	1168948.3	679059.4
B131SW	1168948.3	679159.4
B132SW	1168948.3	679259.4
B138SW	1168948.3	679859.4
B139SW	1168948.3	679959.4
B140SW	1168948.3	680059.4
B141SW	1168948.3	680159.4
B143SW	1168848.3	678159.4
B144SW	1168848.3	678259.4
B145SW	1168848.3	678359.4
B146SW	1168848.3	678459.4
B147SW	1168848.3	678559.4
B148SW	1168848.3	678659.4
B149SW	1168848.3	678759.4
B150SW	1168848.3	678859.4
B151SW	1168848.3	678959.4
B152SW	1168848.3	679059.4
B153SW	1168848.3	679159.4
B154SW	1168848.3	679259.4
B156SW	1168848.3	679859.4
B157SW	1168848.3	679959.4
B158SW	1168848.3	680059.4
B159SW	1168848.3	680159.4
B161SW	1168748.3	678159.4
B162SW	1168748.3	678259.4
B163SW	1168748.3	678359.4
B164SW	1168748.3	678459.4
B165SW	1168748.3	678559.4
B166SW	1168748.3	678659.4
B167SW	1168748.3	678759.4
B168SW	1168748.3	678859.4

OFFSET POINTS

POINT TABLE

DESCRIPTION	NORTHING	EASTING
B040SW GRID OFFSET	1169452.8	680057.0
B127SW GRID OFFSET	1168948.6	678759.8

ABBREVIATIONS

EM	ELECTRIC METER	JBL	JURISDICTIONAL BOUNDARY	PG	PAGE
ET	ELECTRIC TRANSFORMER	LWL	LAKE	PK	PK NAIL
F	FOUND	(M)	MEASURED	RCP	REINFORCED CONC PIPE
FF	FINISHED FLOOR	MB	MAILBOX	RR	RAILROAD
FH	FIRE HYDRANT	MH	MANHOLE	RW	RECLAIMED WATER
FO	FIBER OPTIC	MW	MONITORING WELL	SF	SET
G	GAS	ND	NAIL & DISK	SC	SECTION CORNER
GM	GAS METER	NL	NAIL	SH	SPRINKLER HEAD
GV	GAS VALVE	OE	OVERHEAD UTILITY LINES	SPIG	WATER SPIGOT
IGV	IRRIGATION	OR	OFFICIAL RECORDS	SS	SANITARY SEWER
IP	IRON PIPE	P	POST	ST	STORM SEWER
IR	IRON ROD	(P)	PER PLAT	SV	SANITARY SEWER VALVE
IRRV	IRRIGATION VALVE	PB	PLAT BOOK	TB	TELEPHONE RISER
ANT	ANTENNA	CO	CLEANOUT	TEL	TELEPHONE
BM	BENCHMARK	CONC	CONCRETE	TP	TRAVERSE POINT
CM	CONCRETE MONUMENT	CPP	CORREGATED METAL PIPE	TSC	TRAFFIC SIGNAL CONTROL
CMP	CORREGATED METAL PIPE	(D)	AS DESCRIBED	TSP	TRAFFIC SIGNAL POLE
DI	DRAINAGE INLET	DIP	DUCTILE IRON PIPE	TV	CABLE TELVISION
DH	DRILL HOLE	EB	ELECTRIC RISER	UE	UNDERGROUND UTILITY LINES
ELEC	ELECTRIC			W	WATER
				WH	WOODEN HUB
				WM	WATER METER
				WV	WATER VALVE
				XC	X CUT

LEGEND

BM BENCHMARK	CO CLEANOUT		UTILITY MARKER (AS SHOWN)
ND NAIL & DISK		MB MAIL BOX	UTILITY MANHOLE (AS SHOWN)
TP TRAVERSE POINT		PT PALM TREE	UTILITY METER (AS SHOWN)
	ELECTRIC TRANSFORMER	P POST	UTILITY RISER (AS SHOWN)
SET 60d NAIL (EXTERIOR)	EVERGREEN TREE	SA TELITE DISH	UTILITY VALVE (AS SHOWN)
SET 60d NAIL (INTERIOR)	FIRE HYDRANT	SPIGOT	UTILITY POLE (AS SHOWN)
FOUND MONUMENT (TYPE)	FLAG (AS SHOWN)	SPRINKLER HEAD	WELL
SET MONUMENT (TYPE)	GUY ANCHOR	TRAFFIC SIGN	
SC SECTION CORNER	LIGHT POLE		

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NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF AN ALABAMA LICENSED SURVEYOR AND MAPPER

MARK	DATE	DESCRIPTION	BY

Client: U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
Proj. Loc.: FORT McCLELLAN, AL

FORT McCLELLAN
SPECIFIC PURPOSE SURVEY
BAINS GAP RANGE
SECTION 23 - T 24 S- R 08 E
POINT LIST

Project No.:	200-04546-09004
Designed By:	
Drawn By:	CIS
Checked By:	LEJ

V103

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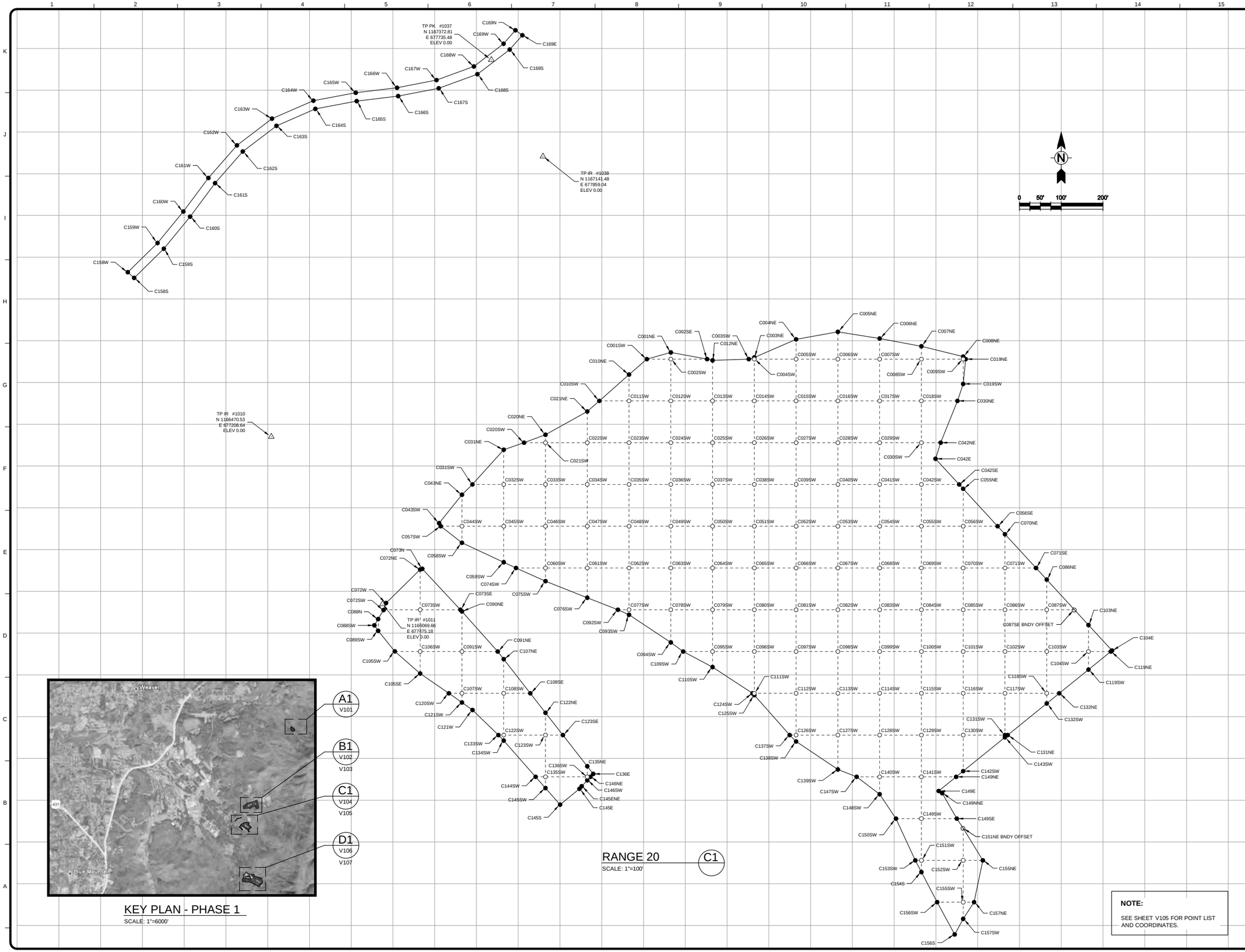
Wednesday, May 05, 2010 9:43:36 AM DRAWING: P:\200-04546-09004 - Ft McClellan\CAD\Survey\Dwg\V-XP Survey.dwg LAYOUT: V103 USER NAME: SANFORD, CHADWICK



ABBREVIATIONS

				TEL	TELEPHONE
				TP	TELEPHONE POINT
				TSC	TRAFFIC SIGNAL CONTROL
				TSP	TRAFFIC SIGNAL POLE
				TV	CABLE TELVISION
				UE	UNDERGROUND UTILITY LINES
				W	WATER
				WH	WOODEN HUB
				WM	WATER METER
				WV	WATER VALVE
				XC	X CUT
				AMT	ANTENNA
				BM	BENCHMARK
				CO	CLEANOUT
				CONC	CONCRETE
				CM	CONCRETE MONUMENT
				CMP	CORRUGATED METAL PIPE
				CPP	CORRUGATED PLASTIC PIPE
				(D)	AS DESCRIBED
				DI	DRAINAGE INLET
				DIP	DUCTILE IRON PIPE
				DH	DRILL HOLE
				EB	ELECTRIC RISER
				ELEC	ELECTRIC
EM	ELECTRIC METER	JBL	JURISDICTIONAL BOUNDARY	PG	PAGE
ET	ELECTRIC TRANSFORMER	LWE	LINE WEST	PK	PARKING SPACE
F	FOUND	(M)	MEASURED	RCP	REINFORCED CONC PIPE
FF	FINISHED FLOOR	MB	MAILBOX	RR	RAILROAD
FH	FIRE HYDRANT	MH	MANHOLE	RW	RECLAIMED WATER
FO	FIBER OPTIC	MW	MONITORING WELL	S	SEWER
G	GAS	ND	NAIL & DISK	SC	SECTION CORNER
GM	GAS METER	NL	NAIL	SH	SPRINKLER HEAD
GV	GAS VALVE	OE	OVERHEAD UTILITY LINES	SPIG	WATER SPIGOT
IV	IRRIGATION	OR	OFFICIAL RECORDS	SS	SANITARY SEWER
IP	IRON PIPE	P	POST	ST	STORM SEWER
IR	IRON ROD	(P)	PER PLAT	SV	SANITARY SEWER VALVE
IRRV	IRRIGATION VALVE	PB	PLAT BOOK	TB	TELEPHONE RISER

LEGEND

BM	BENCHMARK	CO	CLEANOUT		UTILITY MARKER (AS SHOWN)
ND	NAIL & DISK		DECIDUOUS TREE		UTILITY MANHOLE (AS SHOWN)
TP	TRAVERSE POINT		ELECTRIC TRANSFORMER		UTILITY METER (AS SHOWN)
	SET 60d NAIL (EXTERIOR)		EVERGREEN TREE		UTILITY RISER (AS SHOWN)
	SET 60d NAIL (INTERIOR)		FIRE HYDRANT		UTILITY VALVE (AS SHOWN)
F	FOUND MONUMENT (TYPE)		FLAG (AS SHOWN)		UTILITY POLE (AS SHOWN)
S	SET MONUMENT (TYPE)		GUY ANCHOR		WELL
SC	SECTION CORNER		LIGHT POLE		
			MAIL BOX		
			PALM TREE		
		P	POST		
			SATELITE DISH		
			SPIGOT		
			SPRINKLER HEAD		
			TRAFFIC SIGN		

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MARK	DATE	DESCRIPTION	BY

Client: U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
Proj. Loc.: FORT McCLELLAN, AL

FORT McCLELLAN
SPECIFIC PURPOSE SURVEY
RANGE 20
SECTION 23 - T 24 S- R 08 E

Project No.:	200-04546-09004
Designed By:	
Drawn By:	CIS
Checked By:	LEJ

V104

Wednesday, May 05, 2010 9:43:49 AM DRAWING: P:\200-04546-09004 - Ft McClellan\CAD\Survey\Dwg\V-XP Survey\add-1 .DWG LAYOUT: V104 USER NAME: SANFORD, CHADWICK

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POINT LIST
RANGE 20 C1

BOUNDARY POINTS

POINT TABLE

DESCRIPTION	NORTHING	EASTING
C001NE	1166672.3	678165.2
C001SW	1166656.0	678107.8
C002SE	1166656.0	678252.2
C003NE	1166660.1	678365.2
C003SW	1166656.0	678351.9
C004NE	1166703.5	678465.2
C005NE	1166721.4	678565.2
C006NE	1166705.5	678665.2
C007NE	1166686.8	678765.2
C008NE	1166662.1	678865.2
C010NE	1166619.1	678065.2
C010SW	1166556.0	677994.1
C012NE	1166653.0	678265.2
C019NE	1166656.0	678871.2
C019SW	1166596.7	678865.2
C020NE	1166475.1	677865.2
C020SW	1166456.0	677813.8
C021NE	1166530.8	677965.2
C030NE	1166556.0	678851.5
C031NE	1166439.1	677765.2
C031SW	1166356.0	677690.3
C042E	1166417.6	678799.0
C042NE	1166456.0	678811.4
C042SE	1166356.0	678855.7
C043NE	1166331.3	677665.2
C043SW	1166263.4	677610.5
C055NE	1166345.6	678865.2
C056SE	1166256.0	678947.6
C057SW	1166256.0	677614.4
C058SW	1166216.3	677665.2
C059SW	1166169.8	677765.2
C070NE	1166236.9	678965.2
C071SE	1166156.0	679039.6
C072NE	1166152.3	677565.1
C072SW	1166055.4	677477.6
C072W	1166072.0	677483.4
C073N	1166154.1	677570.2
C073SE	1166056.0	677661.6
C074SW	1166156.0	677794.6
C075SW	1166124.4	677865.2
C076SW	1166084.8	677965.2
C086NE	1166128.2	679065.2
C088N	1166033.6	677464.6
C088SW	1166018.7	677455.7
C089SW	1166005.6	677464.6
C090NE	1166052.2	677665.2
C091NE	1165956.0	677751.0
C092SW	1166056.0	678038.5
C093SW	1166043.9	678065.2
C094SW	1165977.8	678165.2

POINT TABLE

DESCRIPTION	NORTHING	EASTING
C103NE	1166019.5	679165.2
C104E	1165958.2	679221.6
C105SE	1165903.3	677565.2
C105SW	1165956.4	677504.5
C107NE	1165937.7	677765.2
C108SE	1165856.0	677828.9
C109SW	1165956.0	678194.7
C110SW	1165918.7	678265.2
C119NE	1165956.0	679218.8
C119SW	1165912.6	679165.2
C120SW	1165856.0	677633.9
C121SW	1165833.9	677665.2
C121W	1165816.0	677690.5
C122NE	1165809.5	677865.2
C123SE	1165756.0	677906.9
C124SW	1165856.0	678360.8
C125SW	1165851.5	678365.2
C131NE	1165756.0	678971.8
C131SW	1165756.0	678965.2
C132NE	1165856.0	679095.3
C132SW	1165831.6	679065.2
C133SW	1165756.0	677752.6
C134SW	1165742.8	677765.2
C135NE	1165681.3	677965.2
C136E	1165663.0	677979.4
C137SW	1165756.0	678449.8
C138SW	1165740.6	678465.2
C139SW	1165673.6	678565.2
C142SW	1165669.6	678865.2
C143SW	1165750.6	678965.2
C144SW	1165656.0	677841.5
C145E	1165627.2	677946.7
C145ENE	1165633.5	677951.8
C145S	1165589.5	677900.1
C145SW	1165629.1	677865.2
C146NE	1165656.0	677972.8
C146SW	1165647.8	677965.2
C147SW	1165656.0	678610.1
C148SW	1165614.4	678665.2
C149E	1165622.1	678806.5
C149NE	1165656.0	678848.4
C149NNE	1165616.9	678815.1
C149SE	1165556.0	678850.1
C150SW	1165556.0	678704.3
C153SW	1165456.0	678750.6
C154S	1165427.9	678765.2
C155NE	1165456.0	678912.4
C156S	1165278.7	678844.8
C156SW	1165356.0	678802.9
C157NE	1165356.0	678891.3

POINT TABLE

DESCRIPTION	NORTHING	EASTING
C157SW	1165316.0	678865.2
C158S	1166850.5	676880.3
C158W	1166864.2	676865.2
C159S	1166920.3	676951.3
C159W	1166934.1	676936.4
C160S	1166997.2	677014.4
C160W	1167009.5	676998.2
C161S	1167077.5	677074.2
C161W	1167089.9	677058.1
C162S	1167153.3	677140.4
C162W	1167168.0	677126.3
C163S	1167214.6	677221.0
C163W	1167231.9	677210.4
C164S	1167255.2	677314.2
C164W	1167275.0	677309.4
C165S	1167273.7	677413.4
C165W	1167293.9	677410.9
C166S	1167285.7	677512.5
C166W	1167305.8	677509.7
C167S	1167304.5	677609.7
C167W	1167324.1	677604.2
C168S	1167338.3	677702.4
C168W	1167356.7	677693.7
C169E	1167431.4	677809.7
C169N	1167443.4	677793.2
C169S	1167397.2	677779.6
C169W	1167411.3	677765.0

INTERIOR POINTS

POINT TABLE

DESCRIPTION	NORTHING	EASTING
C002SW	1166656.0	678165.2
C004SW	1166656.0	678365.2
C005SW	1166656.0	678465.2
C006SW	1166656.0	678565.2
C007SW	1166656.0	678665.2
C008SW	1166656.0	678765.2
C009SW	1166656.0	678865.2
C011SW	1166556.0	678065.2
C012SW	1166556.0	678165.2
C013SW	1166556.0	678265.2
C014SW	1166556.0	678365.2
C015SW	1166556.0	678465.2
C016SW	1166556.0	678565.2
C017SW	1166556.0	678665.2
C018SW	1166556.0	678765.2
C021SW	1166456.0	677865.2
C022SW	1166456.0	677965.2
C023SW	1166456.0	678065.2
C024SW	1166456.0	678165.2
C025SW	1166456.0	678265.2
C026SW	1166456.0	678365.2
C027SW	1166456.0	678465.2
C028SW	1166456.0	678565.2
C029SW	1166456.0	678665.2
C030SW	1166456.0	678765.2
C032SW	1166356.0	677765.2
C033SW	1166356.0	677865.2
C034SW	1166356.0	677965.2
C035SW	1166356.0	678065.2
C036SW	1166356.0	678165.2
C037SW	1166356.0	678265.2
C038SW	1166356.0	678365.2
C039SW	1166356.0	678465.2
C040SW	1166356.0	678565.2
C041SW	1166356.0	678665.2
C042SW	1166356.0	678765.2
C044SW	1166256.0	677665.2
C045SW	1166256.0	677765.2
C046SW	1166256.0	677865.2
C047SW	1166256.0	677965.2
C048SW	1166256.0	678065.2
C049SW	1166256.0	678165.2
C050SW	1166256.0	678265.2
C051SW	1166256.0	678365.2
C052SW	1166256.0	678465.2
C053SW	1166256.0	678565.2
C054SW	1166256.0	678665.2
C055SW	1166256.0	678765.2
C056SW	1166256.0	678865.2
C060SW	1166156.0	677865.2

POINT TABLE

DESCRIPTION	NORTHING	EASTING
C061SW	1166156.0	677965.2
C062SW	1166156.0	678065.2
C063SW	1166156.0	678165.2
C064SW	1166156.0	678265.2
C065SW	1166156.0	678365.2
C066SW	1166156.0	678465.2
C067SW	1166156.0	678565.2
C068SW	1166156.0	678665.2
C069SW	1166156.0	678765.2
C070SW	1166156.0	678865.2
C071SW	1166156.0	678965.2
C073SW	1166056.0	677565.2
C077SW	1166056.0	678065.2
C078SW	1166056.0	678165.2
C079SW	1166056.0	678265.2
C080SW	1166056.0	678365.2
C081SW	1166056.0	678465.2
C082SW	1166056.0	678565.2
C083SW	1166056.0	678665.2
C084SW	1166056.0	678765.2
C085SW	1166056.0	678865.2
C086SW	1166056.0	678965.2
C087SW	1166056.0	679065.2
C091SW	1165956.0	677665.2
C095SW	1165956.0	678265.2
C096SW	1165956.0	678365.2
C097SW	1165956.0	678465.2
C098SW	1165956.0	678565.2
C099SW	1165956.0	678665.2
C100SW	1165956.0	678765.2
C101SW	1165956.0	678865.2
C102SW	1165956.0	678965.2
C103SW	1165956.0	679065.2
C104SW	1165956.0	679165.2
C106SW	1165956.0	677565.2
C107SW	1165856.0	677665.2
C108SW	1165856.0	677765.2
C111SW	1165856.0	678365.2
C112SW	1165856.0	678465.2
C113SW	1165856.0	678565.2
C114SW	1165856.0	678665.2
C115SW	1165856.0	678765.2
C116SW	1165856.0	678865.2
C117SW	1165856.0	678965.2
C118SW	1165856.0	679065.2
C122SW	1165756.0	677765.2
C123SW	1165756.0	677865.2
C126SW	1165756.0	678465.2
C127SW	1165756.0	678565.2
C128SW	1165756.0	678665.2

POINT TABLE

DESCRIPTION	NORTHING	EASTING
C129SW	1165756.0	678765.2
C130SW	1165756.0	678865.2
C135SW	1165656.0	677865.2
C136SW	1165656.0	677965.2
C140SW	1165656.0	678665.2
C141SW	1165656.0	678765.2
C149SW	1165556.0	678765.2
C151SW	1165456.0	678765.2
C152SW	1165456.0	678865.2
C155SW	1165356.0	678865.2

OFFSET POINTS

POINT TABLE

DESCRIPTION	NORTHING	EASTING
C087SE BNDY OFFSET	1166055.4	679131.0
C151NE BNDY OFFSET	1165532.8	678864.6

ABBREVIATIONS

EM	ELECTRIC METER
ET	ELECTRIC TRANSFORMER
F	FOUND
FF	FINISHED FLOOR
FH	FIRE HYDRANT
FO	FIBER OPTIC
G	GAS
GM	GAS METER
GV	GAS VALVE
IGV	IRRIGATION
IP	IRON PIPE
IR	IRON ROD
IRRV	IRRIGATION VALVE
JBL	JURISDICTIONAL BOUNDARY LINE
(M)	MEASURED
MB	MAILBOX
MH	MANHOLE
MW	MONITORING WELL
ND	NAIL & DISK
NL	NAIL
OE	OVERHEAD UTILITY LINES
OR	OFFICIAL RECORDS
P	POST
(P)	PER PLAT
PB	PLAT BOOK
PG	PAGE
PK	PK NAIL
RCP	REINFORCED CONC PIPE
RR	RAILROAD
RW	RECLAIMED WATER
S	SEWER
SC	SECTION CORNER
SH	SPRINKLER HEAD
SPIG	WATER SPIGOT
SS	SANITARY SEWER
ST	STORM SEWER
SV	SANITARY SEWER VALVE
TB	TELEPHONE RISER
TEL	TELEPHONE
TP	TRAVERSE POINT
TSC	TRAFFIC SIGNAL CONTROL
TSP	TRAFFIC SIGNAL POLE
TV	CABLE TELVISION
UE	UNDERGROUND UTILITY LINES
W	WATER
WH	WOODEN HUB
WM	WATER METER
WV	WATER VALVE
XC	X CUT
ANT	ANTENNA
BM	BENCHMARK
CO	CLEANOUT
CONC	CONCRETE
CM	CONCRETE MONUMENT
CMP	CORRUGATED METAL PIPE
CPP	CORREGATED PLASTIC PIPE
(D)	AS DESCRIBED
DI	DRAINAGE INLET
DIP	DUCTILE IRON PIPE
DH	DRILL HOLE
EB	ELECTRIC RISER
ELEC	ELECTRIC

LEGEND

BM BENCHMARK	CO CLEANOUT
ND NAIL & DISK	DECIDUOUS TREE
TP TRAVERSE POINT	ELECTRIC TRANSFORMER
SET 60d NAIL (EXTERIOR)	EVERGREEN TREE
SET 60d NAIL (INTERIOR)	FIRE HYDRANT
FOUND MONUMENT (TYPE)	FLAG (AS SHOWN)
SET MONUMENT (TYPE)	GUY ANCHOR
SC SECTION CORNER	LIGHT POLE
MAIL BOX	UTILITY MARKER (AS SHOWN)
PALM TREE	UTILITY MANHOLE (AS SHOWN)
P POST	UTILITY METER (AS SHOWN)
SATELITE DISH	UTILITY RISER (AS SHOWN)
SPIGOT	UTILITY VALVE (AS SHOWN)
SPRINKLER HEAD	UTILITY POLE (AS SHOWN)
TRAFFIC SIGN	WELL

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NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF AN ALABAMA LICENSED SURVEYOR AND MAPPER

MARK	DATE	DESCRIPTION	BY

Client: U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
Proj. Loc.: FORT McCLELLAN, AL

FORT McCLELLAN
SPECIFIC PURPOSE SURVEY
RANGE 20
SECTION 23 - T 24 S- R 08 E
POINT LIST

Project No.: 200-04546-09004
Designed By:
Drawn By: CIS
Checked By: LEJ

V105

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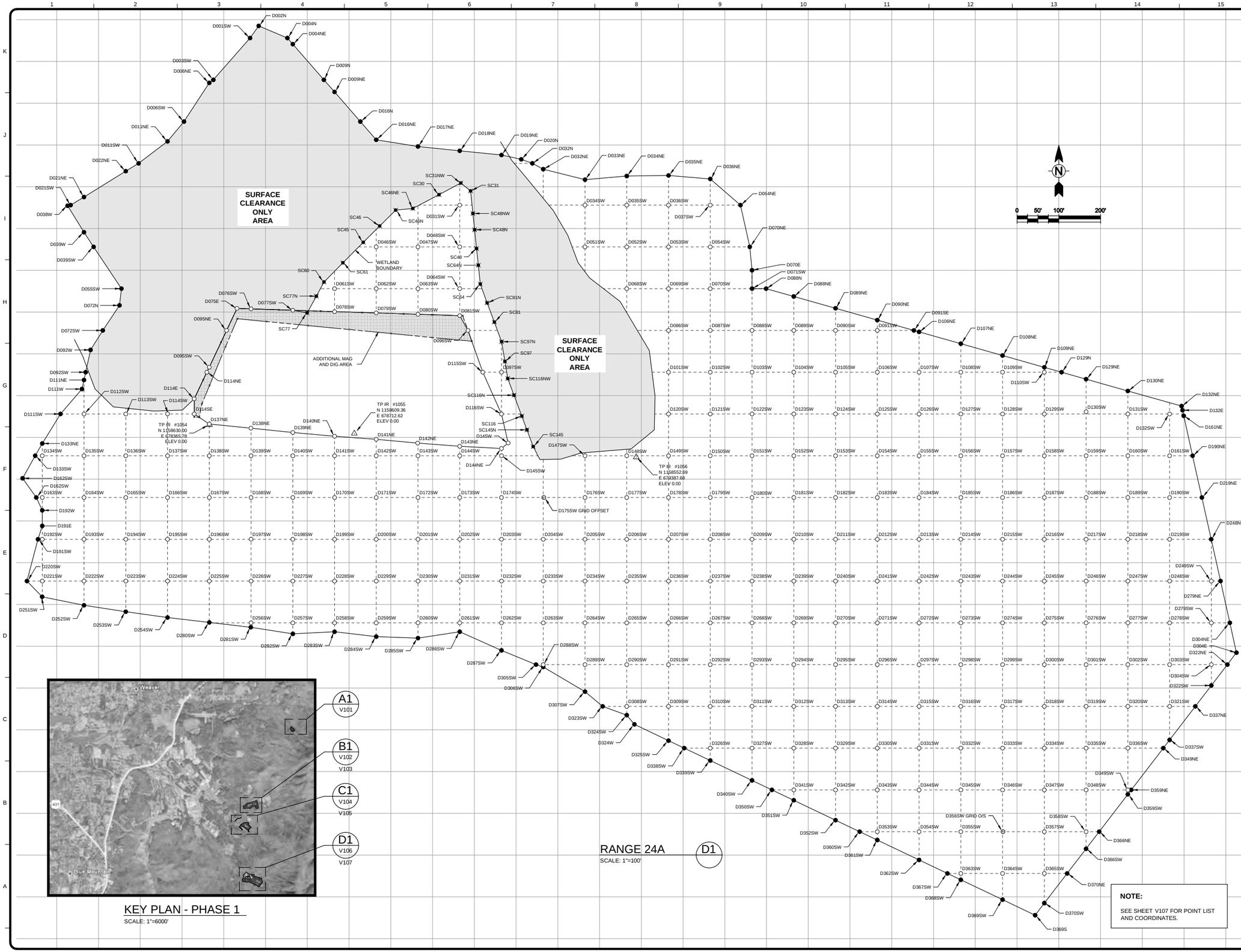
Wednesday, May 05, 2010 9:44:11 AM DRAWING: P:\200-04546-09004 - Ft McClellan\CAD\Survey\Dwg\V-XP Survey\dt1 DWG LAYOUT: V105 USER NAME: SANFORD, CHADWICK



NOTE:

SEE SHEET V107 FOR POINT LIST AND COORDINATES.

KEY PLAN - PHASE 1

SCALE: 1"=6000'

ABBREVIATIONS

JBL	JURISDICTIONAL BOUNDARY LINE	PG	PAGE
(M)	MEASURED	PK	PK NAIL
MB	MAILBOX	RCP	REINFORCED CONC PIPE
MH	MANHOLE	RR	RAILROAD
MW	MONITORING WELL	RW	RECLAIMED WATER
ND	NAIL & DISK	S	SOIL
NL	NAIL	SC	SECTION CORNER
OE	OVERHEAD UTILITY LINES	SH	SPRINKLER HEAD
OR	OFFICIAL RECORDS	SPIG	WATER SPIGOT
P	POST	SS	SANITARY SEWER
(P)	PER PLAT	ST	STORM SEWER
PB	PLAT BOOK	SV	SANITARY SEWER VALVE
		TB	TELEPHONE RISER
		TEL	TELEPHONE
		TP	TRAVERSE POINT
		TSC	TRAFFIC SIGNAL CONTROL
		TSP	TRAFFIC SIGNAL POLE
		TV	CABLE TELVISION
		UE	UNDERGROUND UTILITY LINES
		W	WATER
		WH	WOODEN HUB
		WM	WATER METER
		WV	WATER VALVE
		XC	X CUT

EM	ELECTRIC METER	AMT	ANTENNA
ET	ELECTRIC TRANSFORMER	BM	BENCHMARK
F	FOUND	CO	CLEANOUT
FF	FINISHED FLOOR	CONC	CONCRETE
FH	FIRE HYDRANT	CM	CONCRETE MONUMENT
FO	FIBER OPTIC	CMP	CORRUGATED METAL PIPE
G	GAS	CPP	CORREGATED PLASTIC PIPE
GM	GAS METER	(D)	AS DESCRIBED
GV	GAS VALVE	DI	DRAINAGE INLET
IE	INVERT ELEV	DP	DOWNSPOUT DOWNPIPE
IP	IRON PIPE	DH	DRILL HOLE
IR	IRON ROD	EB	ELECTRIC RISER
IRRV	IRRIGATION VALVE	ELEC	ELECTRIC

LEGEND

CO	CLEANOUT		MAIL BOX
	DECIDUOUS TREE		PALM TREE
	ELECTRIC TRANSFORMER	P	POST
	EVERGREEN TREE		SATELITE DISH
	FIRE HYDRANT		SPIGOT
	FLAG (AS SHOWN)		SPRINKLER HEAD
	GUY ANCHOR		TRAFFIC SIGN
	LIGHT POLE		UTILITY MARKER (AS SHOWN)
	SECTION CORNER		UTILITY MANHOLE (AS SHOWN)
	BENCHMARK		UTILITY METER (AS SHOWN)
	NAIL & DISK		UTILITY RISER (AS SHOWN)
	TRAVERSE POINT		UTILITY VALVE (AS SHOWN)
	SET 60d NAIL (EXTERIOR)		UTILITY POLE (AS SHOWN)
	SET 60d NAIL (INTERIOR)		WELL
	FOUND MONUMENT (TYPE)		
	SET MONUMENT (TYPE)		

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MARK	DATE	DESCRIPTION	BY

Client: U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
Proj. Loc.: FORT McCLELLAN, AL

FORT McCLELLAN
SPECIFIC PURPOSE SURVEY
RANGE 24A
SECTION 26 - T 26 S- R 08 E

Project No.:	200-04546-09004
Designed By:	
Drawn By:	CIS
Checked By:	LEJ

V106

Wednesday, May 05, 2010 3:30:43 PM DRAWING: \\eroffs2\PROJECTS\200-04546-09004 - Ft McClellan\CAD\Survey\Dwg\V-XP SurveyAdd-1 .DWG LAYOUT: V106 USER NAME: SANFORD, CHADWICK

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POINT LIST
RANGE 24A

D1

BOUNDARY POINTS

POINT TABLE			
	DESCRIPTION	NORTHING	EASTING
	D001SW	1159556.0	678462.8
	D002N	1159585.1	678483.6
	D003SW	1159456.0	678375.1
	D004N	1159556.0	678552.4
	D004NE	1159541.3	678565.2
	D006NE	1159448.7	678365.2
	D006SW	1159356.0	678304.7
	D009N	1159456.0	678639.8
	D009NE	1159426.9	678665.2
	D011NE	1159308.6	678265.2
	D011SW	1159256.0	678196.1
	D016N	1159356.0	678727.1
	D016NE	1159312.4	678765.2
	D017NE	1159296.4	678865.2
	D018NE	1159286.1	678965.2
	D019NE	1159275.8	679065.2
	D020N	1159265.5	679112.5
	D021NE	1159175.2	678065.2
	D021SW	1159156.0	678033.3
	D022NE	1159237.3	678165.2
	D032N	1159256.0	679139.0
	D032NE	1159242.0	679165.2
	D033NE	1159216.8	679265.2
	D034NE	1159225.6	679365.2
	D035NE	1159226.8	679465.2
	D036NE	1159218.8	679565.2
	D038W	1159154.4	678025.9
	D039SW	1159056.0	678088.2
	D039W	1159090.9	678065.2
	D054NE	1159156.0	679637.6
	D055SW	1158956.0	678154.9
	D070E	1159000.0	679665.2
	D070NE	1159056.0	679659.8
	D071SW	1158956.0	679665.2
	D072N	1158916.0	678150.2
	D072SW	1158856.0	678110.2
	D088N	1158956.0	679698.9
	D088NE	1158937.3	679765.2
	D089NE	1158909.0	679865.2
	D090NE	1158880.7	679965.2
	D091SE	1158856.0	680052.7
	D092SW	1158756.0	678069.3
	D092W	1158809.2	678080.9
	D106NE	1158852.5	680065.2
	D107NE	1158824.2	680165.2
	D108NE	1158795.9	680265.2
	D109NE	1158767.7	680365.2
	D111NE	1158737.2	678065.2
	D111SW	1158656.0	678008.9
	D111W	1158715.7	678060.5
	D129N	1158756.0	680406.5
	D129NE	1158739.3	680465.2
	D130NE	1158711.0	680565.2
	D132E	1158664.8	680696.1
	D132NE	1158674.8	680693.9
	D133NE	1158585.2	677965.2
	D133SW	1158556.0	677948.4

POINT TABLE			
	DESCRIPTION	NORTHING	EASTING
	D161NE	1158651.5	680699.1
	D162SW	1158456.0	677950.9
	D162SW	1158501.9	677918.3
	D190NE	1158556.0	680720.3
	D191E	1158388.0	677965.2
	D191SW	1158356.0	677955.1
	D192W	1158425.1	677965.2
	D219NE	1158456.0	680742.6
	D220SW	1158256.0	677928.6
	D248NE	1158356.0	680764.9
	D251SW	1158218.2	677965.1
	D252SW	1158197.7	678065.2
	D253SW	1158182.4	678165.2
	D254SW	1158168.7	678265.3
	D279NE	1158256.0	680787.2
	D280SW	1158156.7	678365.2
	D281SW	1158145.3	678464.7
	D282SW	1158129.3	678565.4
	D283SW	1158134.4	678665.2
	D284SW	1158122.7	678765.2
	D285SW	1158119.2	678865.2
	D286SW	1158134.5	678965.2
	D287SW	1158089.9	679065.2
	D304E	1158084.4	680825.4
	D304NE	1158156.0	680809.4
	D305SW	1158056.0	679147.9
	D306SW	1158050.2	679165.2
	D307SW	1157991.1	679265.2
	D322NE	1158056.0	680803.6
	D322SW	1158005.9	680765.2
	D323SW	1157956.0	679307.3
	D324SW	1157934.7	679365.2
	D324W	1157912.8	679383.5
	D325SW	1157873.8	679465.2
	D337NE	1157956.0	680726.9
	D337SW	1157875.6	680665.2
	D338SW	1157856.0	679502.6
	D339SW	1157826.2	679565.2
	D340SW	1157778.6	679665.2
	D349NE	1157856.0	680650.1
	D350SW	1157756.0	679712.8
	D351SW	1157731.0	679765.2
	D352SW	1157683.4	679865.2
	D359NE	1157756.0	680573.4
	D359SW	1157745.3	680565.2
	D360SW	1157656.0	679922.9
	D361SW	1157635.9	679965.2
	D362SW	1157588.3	680065.2
	D366NE	1157656.0	680496.6
	D366SW	1157615.0	680465.2
	D367SW	1157556.0	680133.0
	D368SW	1157540.7	680165.2
	D369S	1157456.0	680343.1
	D369SW	1157493.1	680265.2
	D370NE	1157556.0	680419.9
	D370SW	1157484.7	680365.2

OFFSET POINTS

POINT TABLE			
	DESCRIPTION	NORTHING	EASTING
	D175SW GRID OFFSET	1158456.0	679166.6
	D356SW GRID O/S	1157656.0	680266.1

INTERIOR POINTS

POINT TABLE			
	DESCRIPTION	NORTHING	EASTING
	D031SW	1159156.0	678965.2
	D034SW	1159156.0	679265.2
	D035SW	1159156.0	679365.2
	D036SW	1159156.0	679465.2
	D037SW	1159156.0	679565.2
	D046SW	1159056.0	678765.2
	D047SW	1159056.0	678865.2
	D048SW	1159056.0	678965.2
	D051SW	1159056.0	679265.2
	D052SW	1159056.0	679365.2
	D053SW	1159056.0	679465.2
	D054SW	1159056.0	679565.2
	D061SW	1158956.0	678665.2
	D062SW	1158956.0	678765.2
	D063SW	1158956.0	678865.2
	D064SW	1158956.0	678965.2
	D068SW	1158956.0	679365.2
	D069SW	1158956.0	679465.2
	D070SW	1158956.0	679565.2
	D075E	1158908.6	678431.7
	D076SW	1158907.5	678465.2
	D077SW	1158904.3	678565.2
	D078SW	1158901.0	678665.2
	D079SW	1158897.8	678765.2
	D080SW	1158894.5	678865.2
	D081SW	1158891.3	678965.2
	D086SW	1158856.0	679465.2
	D087SW	1158856.0	679565.2
	D088SW	1158856.0	679665.2
	D089SW	1158856.0	679765.2
	D090SW	1158856.0	679865.2
	D091SW	1158856.0	679965.2
	D095NE	1158856.0	678406.8
	D095SW	1158768.0	678365.2
	D096SW	1158856.0	678984.9
	D097SW	1158756.0	679065.2
	D101SW	1158756.0	679465.2
	D102SW	1158756.0	679565.2
	D103SW	1158756.0	679665.2
	D104SW	1158756.0	679765.2
	D105SW	1158756.0	679865.2
	D106SW	1158756.0	679965.2
	D107SW	1158756.0	680065.2
	D108SW	1158756.0	680165.2
	D109SW	1158756.0	680265.2
	D110SW	1158756.0	680365.2
	D112SW	1158656.0	678065.2
	D113SW	1158656.0	678165.2
	D114E	1158692.3	678329.4
	D114NE	1158756.0	678359.5
	D114SE	1158656.0	678329.4
	D114SW	1158656.1	678265.2
	D115SW	1158756.0	679020.5
	D116SW	1158656.0	679065.2
	D120SW	1158656.0	679465.2
	D121SW	1158656.0	679565.2
	D122SW	1158656.0	679665.2
	D123SW	1158656.0	679765.2
	D124SW	1158656.0	679865.2
	D125SW	1158656.0	679965.2
	D126SW	1158656.0	680065.2
	D127SW	1158656.0	680165.2
	D128SW	1158656.0	680265.2
	D129SW	1158656.0	680365.2
	D130SW	1158661.1	680465.2
	D131SW	1158656.0	680565.2
	D132SW	1158656.0	680665.2
	D134SW	1158556.0	677965.2

POINT TABLE			
	DESCRIPTION	NORTHING	EASTING
	D135SW	1158556.0	678065.2
	D136SW	1158556.0	678165.2
	D137NE	1158631.8	678365.2
	D137SW	1158556.0	678265.2
	D138NE	1158622.0	678465.1
	D138SW	1158556.0	678365.2
	D139NE	1158611.6	678565.2
	D139SW	1158556.0	678465.2
	D140NE	1158602.7	678665.2
	D140SW	1158556.0	678565.2
	D141NE	1158595.4	678765.1
	D141SW	1158556.0	678665.2
	D142NE	1158586.4	678864.3
	D142SW	1158556.0	678765.2
	D143NE	1158578.4	678965.1
	D143SW	1158556.0	678865.2
	D144NE	1158573.1	679065.2
	D144SW	1158556.0	678965.2
	D145SW	1158556.0	679065.2
	D145W	1158586.5	679081.0
	D147SW	1158556.0	679265.2
	D148SW	1158555.9	679365.1
	D149SW	1158556.0	679465.2
	D150SW	1158555.8	679565.2
	D151SW	1158556.0	679665.2
	D152SW	1158556.0	679765.2
	D153SW	1158556.0	679865.2
	D154SW	1158556.0	679965.2
	D155SW	1158556.0	680065.2
	D156SW	1158556.0	680165.2
	D157SW	1158556.0	680265.2
	D158SW	1158556.0	680365.2
	D159SW	1158556.0	680465.2
	D160SW	1158556.0	680565.2
	D161SW	1158556.0	680665.2
	D163SW	1158456.0	677965.2
	D164SW	1158456.0	678065.2
	D165SW	1158456.0	678165.2
	D166SW	1158456.0	678265.2
	D167SW	1158456.0	678365.2
	D168SW	1158456.0	678465.2
	D169SW	1158456.0	678565.2
	D170SW	1158456.0	678665.2
	D171SW	1158456.0	678765.2
	D172SW	1158456.0	678865.2
	D173SW	1158456.0	678965.2
	D174SW	1158456.0	679065.2
	D176SW	1158456.0	679265.2
	D177SW	1158456.0	679365.2
	D178SW	1158456.0	679465.2
	D179SW	1158456.0	679565.2
	D180SW	1158455.9	679665.3
	D181SW	1158456.0	679765.2
	D182SW	1158456.0	679865.2
	D183SW	1158456.0	679965.2
	D184SW	1158456.0	680065.2
	D185SW	1158456.0	680165.2
	D186SW	1158456.0	680265.2
	D187SW	1158456.0	680365.2
	D188SW	1158456.0	680465.2
	D189SW	1158456.0	680565.2
	D190SW	1158456.0	680665.2
	D192SW	1158356.0	677965.2
	D193SW	1158356.0	678065.2
	D194SW	1158356.0	678165.2
	D195SW	1158356.0	678265.2
	D196SW	1158356.0	678365.2
	D197SW	1158356.1	678465.2

POINT TABLE			
	DESCRIPTION	NORTHING	EASTING
	D198SW	1158356.0	678565.2
	D199SW	1158356.0	678665.2
	D200SW	1158356.0	678765.2
	D201SW	1158356.0	678865.2
	D202SW	1158356.0	678965.2
	D203SW	1158356.0	679065.2
	D204SW	1158356.0	679165.2
	D205SW	1158356.0	679265.2
	D206SW	1158356.0	679365.2
	D207SW	1158356.0	679465.2
	D208SW	1158356.0	679565.2
	D209SW	1158356.0	679665.2
	D210SW	1158356.0	679765.2
	D211SW	1158356.0	679865.2
	D212SW	1158356.0	679965.2
	D213SW	1158356.0	680065.2
	D214SW	1158356.0	680165.2
	D215SW	1158356.0	680265.2
	D216SW	1158356.0	680365.2
	D217SW	1158356.0	680465.2
	D218SW	1158356.0	680565.2
	D219SW	1158356.0	680665.2
	D221SW	1158256.0	677965.2
	D222SW	1158256.0	678065.2
	D223SW	1158256.0	678165.2
	D224SW	1158256.0	678265.2
	D225SW	1158256.0	678365.2
	D226SW	1158256.0	678465.2
	D227SW	1158256.0	678565.2
	D228SW	1158256.0	678665.2
	D229SW	1158256.0	678765.2
	D230SW	1158256.0	678865.2
	D231SW	1158256.0	678965.2
	D232SW	1158256.0	679065.2
	D233SW	1158256.0	679165.2
	D234SW	1158256.0	679265.2
	D235SW	1158256.0	679365.2
	D236SW	1158256.0	679465.2
	D237SW	1158256.0	679565.2
	D238SW	1158256.0	679665.2
	D239SW	1158256.0	679765.2
	D240SW	1158256.0	679865.2
	D241SW	1158256.0	679965.2
	D242SW	1158256.0	680065.2
	D243SW	1158256.0	680165.2
	D244SW	1158256.0	680265.2
	D245SW	1158256.0	680365.2
	D246SW	1158256.0	680465.2
	D247SW	1158256.0	680565.2
	D248SW	1158256.0	680665.2
	D249SW	1158256.0	680765.2
	D256SW	1158156.0	678465.2
	D257SW	1158156.0	678565.2
	D258SW	1158156.0	678665.2
	D259SW	1158156.0	678765.2
	D260SW	1158156.0	678865.2
	D261SW	1158156.0	678965.2
	D262SW	1158156.0	679065.2
	D263SW	1158156.0	679165.2
	D264SW	1158156.0	679265.2
	D265SW	1158156.0	679365.2
	D266SW	1158156.0	679465.2
	D267SW	1158156.0	679565.2
	D268SW	1158156.0	679665.2
	D269SW	1158156.0	679765.2
	D270SW	1158156.0	679865.2
	D271SW	1158156.0	679965.2
	D272SW	1158156.0	680065.2

POINT TABLE			
	DESCRIPTION	NORTHING	EASTING
	D273SW	1158156.0	680165.2
	D274SW	1158156.0	680265.2
	D275SW	1158156.0	680365.2
	D276SW	1158156.0	680465.2
	D277SW	1158156.0	680565.2
	D278SW	1158156.0	680665.2
	D279SW	1158156.0	680765.2
	D288SW	1158056.0	679165.2
	D289SW	1158056.0	679265.2
	D290SW	1158056.0	679365.2
	D291SW	1158056.0	679465.2
	D292SW	1158056.0	679565.2
	D293SW	1158056.0	679665.2
	D294SW	1158056.0	679765.2
	D295SW	1158056.0	679865.2
	D296SW	1158056.0	679965.2
	D297SW	1158056.0	680065.2
	D298SW	1158056.0	680165.2
	D299SW	1158056.0	680265.2
	D300SW	1158056.0	680365.2
	D301SW	1158056.0	680465.2
	D302SW	1158056.0	680565.2
	D303SW	1158056.0	680665.2
	D304SW	1158056.0	680765.2
	D308SW	1157956.0	679365.2
	D309SW	1157956.0	679465.2
	D310SW	1157956.0	679565.2
	D311SW	1157956.0	679665.2
	D312SW	1157956.0	679765.2
	D313SW	1157956.0	679865.2
	D314SW	1157956.0	679965.2
	D315SW	1157956.0	680065.2
	D316SW	1157956.0	680165.2
	D317SW	1157956.0	680265.2
	D318SW	1157956.0	680365.2
	D319SW	1157956.0	680465.2
	D320SW	1157956.0	680565.2
	D321SW	1157956.0	680665.2
	D326SW	1157856.0	679565.2
	D327SW	1157856.0	679665.2
	D328SW	1157856.0	679765.2
	D329SW	1157856.0	679865.2
	D330SW	1157856.0	679965.2
	D331SW	1157856.0	680065.2
	D332SW	1157856.0	680165.2
	D333SW	1157856.0	680265.2
	D334SW	1157856.0	680365.2
	D335SW	1157856.0	680465.2
	D336SW	1157856.0	680565.2
	D341SW	1157756.0	679765.2
	D342SW	1157756.0	679865.2
	D343SW	1157756.0	679965.2
	D344SW	1157756.0	680065.2
	D345SW	1157756.0	680165.2
	D346SW	1157756.0	680265.2
	D347SW	1157756.0	680365.2
	D348SW	1157756.0	680465.2
	D349SW	1157756.0	680565.2
	D353SW	1157656.0	679965.2
	D354SW	1157656.0	680065.2
	D355SW	1157656.0	680165.2
	D357SW	1157656.0	680365.2
	D358SW	1157656.0	680465.2
	D363SW	1157556.0	680165.2
	D364SW	1157556.0	680265.2
	D365SW	1157556.0	680365.2

ABBREVIATIONS

EM	ELECTRIC METER	JBL	JURISDICTIONAL BOUNDARY	PG	PAGE	TEL	TELEPHONE
ET	ELECTRIC TRANSFORMER		LINE	PK	PK NAIL	TP	TRAVERSE POINT
F	FOUND	(M)	MEASURED	RCP	REINFORCED CONC PIPE	TSC	TRAFFIC SIGNAL CONTROL
FF	FINISHED FLOOR	MB	MAILBOX	RR	RAILROAD	TSP	TRAFFIC SIGNAL POLE
FH	FIRE HYDRANT	MH	MANHOLE	RW	RECLAIMED WATER	TV	CABLE TELVISION
FO	FIBER OPTIC	MW	MONITORING WELL	S	SEWER	UE	UNDERGROUND UTILITY LINES
G	GAS	ND	NAIL & DISK	SC	SECTION CORNER	W	WATER
GM	GAS METER	NL	NAIL	SH	SPRINKLER HEAD	WH	WOODEN HUB
GV	GAS VALVE	OE	OVERHEAD UTILITY LINES	SPIG	WATER SPIGOT	WM	WATER METER
IGV	IRRIGATION	OR	OF RECORD	SS	SANITARY SEWER	WV	WATER VALVE
IP	IRON PIPE	P	POST	ST	STORM SEWER	XC	X CUT
IR	IRON ROD	(P)	PER PLAT	SV	SANITARY SEWER VALVE		
IRRV	IRRIGATION VALVE	PB	PLAT BOOK	TB	TELEPHONE RISER		

ANT	ANTENNA	UTILITY MARKER (AS SHOWN)
BM	BENCHMARK	UTILITY MANHOLE (AS SHOWN)
CO	CLEANOUT	UTILITY METER (AS SHOWN)
CONC	CONCRETE	UTILITY RISER (AS SHOWN)
CM	CONCRETE MONUMENT	UTILITY VALVE (AS SHOWN)
CMP	CORRUGATED METAL PIPE	UTILITY POLE (AS SHOWN)
CPP	CORREGATED PLASTIC PIPE	WELL
(D)	AS DESCRIBED	
DI	DRAINAGE INLET	
DIP	DUCTILE IRON PIPE	
DH	DRILL HOLE	
EB	ELECTRIC RISER	
ELEC	ELECTRIC	

LEGEND

BM	BENCHMARK	CO	CLEANOUT	MB	MAIL BOX
ND	NAIL & DISK		DECIDUOUS TREE	PT	PALM TREE
TP	TRAVERSE POINT		ELECTRIC TRANSFORMER	P	POST
	SET 60d NAIL (EXTERIOR)		EVERGREEN TREE		SATELITE DISH
	SET 60d NAIL (INTERIOR)		FIRE HYDRANT		SPIGOT
F	FOUND MONUMENT (TYPE)		FLAG (AS SHOWN)		SPRINKLER HEAD
S	SET MONUMENT (TYPE)		GUY ANCHOR		TRAFFIC SIGN
SC	SECTION CORNER		LIGHT POLE		WELL

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NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF AN ALABAMA LICENSED SURVEYOR AND MAPPER

MARK	DATE	DESCRIPTION	BY

Client: U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
Proj. Loc.: FORT McCLELLAN, AL

FORT McCLELLAN
SPECIFIC PURPOSE SURVEY
RANGE 24A
SECTION 26 - T 26 S- R 08 E
POINT LIST

Project No.:	200-04546-09004
Designed By:	
Drawn By:	CIS
Checked By:	LEJ

V107

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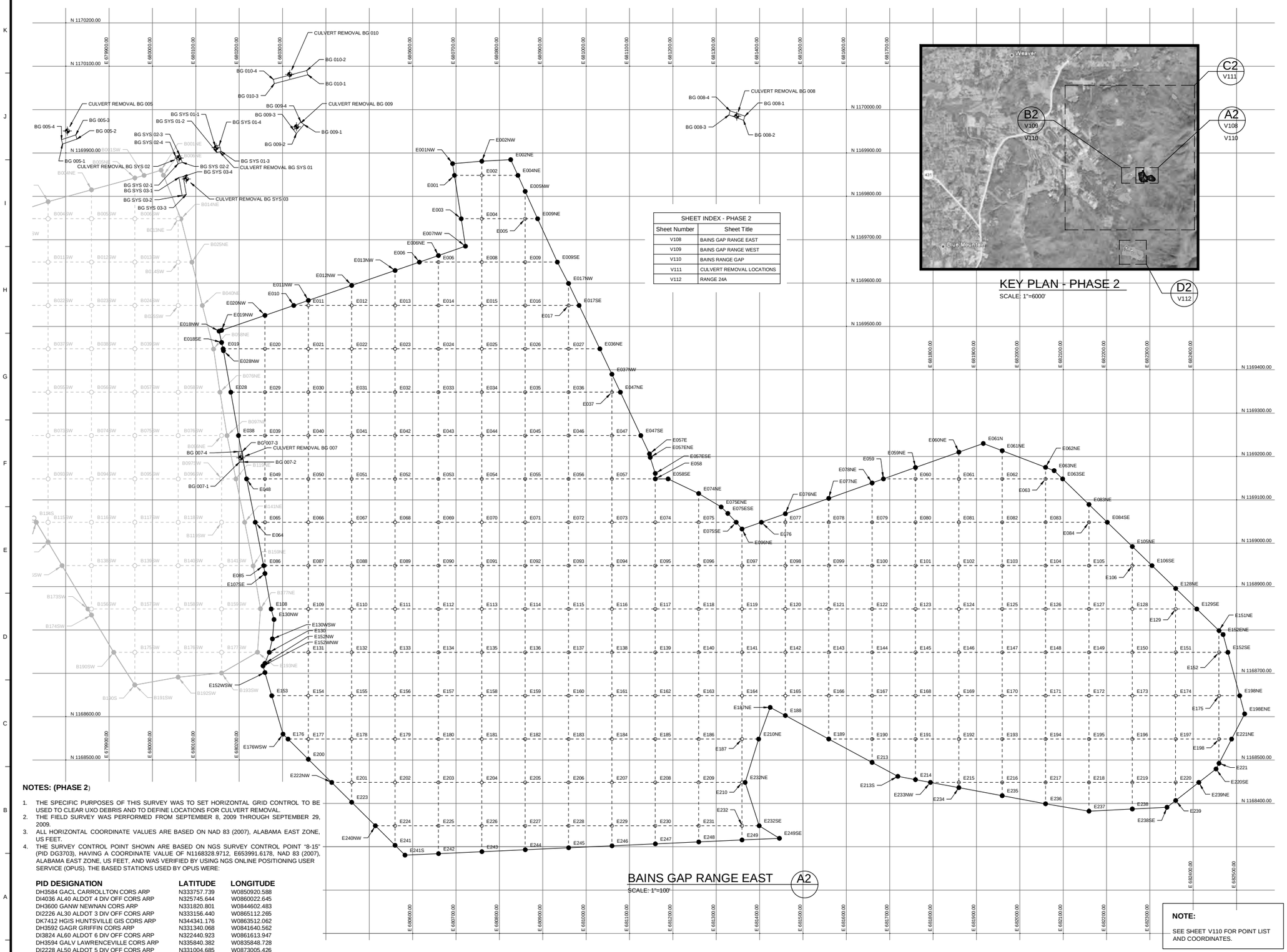

SHEET INDEX - PHASE 2	
Sheet Number	Sheet Title
V108	BAINS GAP RANGE EAST
V109	BAINS GAP RANGE WEST
V110	BAINS RANGE GAP
V111	CULVERT REMOVAL LOCATIONS
V112	RANGE 24A

KEY PLAN - PHASE 2

SCALE: 1"=6000'

NOTES: (PHASE 2)

1. THE SPECIFIC PURPOSES OF THIS SURVEY WAS TO SET HORIZONTAL GRID CONTROL TO BE USED TO CLEAR UXO DEBRIS AND TO DEFINE LOCATIONS FOR CULVERT REMOVAL.
2. THE FIELD SURVEY WAS PERFORMED FROM SEPTEMBER 8, 2009 THROUGH SEPTEMBER 29, 2009.
3. ALL HORIZONTAL COORDINATE VALUES ARE BASED ON NAD 83 (2007), ALABAMA EAST ZONE, US FEET.
4. THE SURVEY CONTROL POINT SHOWN ARE BASED ON NGS SURVEY CONTROL POINT "8-15" (PID DG3703), HAVING A COORDINATE VALUE OF N1168328.9712, E653991.6178, NAD 83 (2007), ALABAMA EAST ZONE, US FEET, AND WAS VERIFIED BY USING NGS ONLINE POSITIONING USER SERVICE (OPUS). THE BASED STATIONS USED BY OPUS WERE:

PID DESIGNATION	LATITUDE	LONGITUDE
DH3584 GACL CARROLLTON CORS ARP	N333757.739	W0850920.588
DI4036 AL40 ALDOT 4 DIV OFF CORS ARP	N325745.644	W0860022.645
DH3600 GANW NEWNAN CORS ARP	N331820.801	W0844602.483
DI2226 AL30 ALDOT 3 DIV OFF CORS ARP	N333156.440	W0865112.265
DK7412 HGIS HUNTSVILLE GIS CORS ARP	N344341.176	W0863512.062
DH3592 GAGR GRIFFIN CORS ARP	N331340.068	W0841640.562
DI3824 AL60 ALDOT 6 DIV OFF CORS ARP	N322440.923	W0861613.947
DH3594 GALV LAWRENCEVILLE CORS ARP	N335840.382	W0835848.728
DI2228 AL50 ALDOT 5 DIV OFF CORS ARP	N331004.685	W0873005.426

NOTE:

SEE SHEET V110 FOR POINT LIST AND COORDINATES.

ABBREVIATIONS

EM	ELECTRIC METER	JBL	JURISDICTIONAL BOUNDARY	PG	PAGE
ET	ELECTRIC TRANSFORMER	LN	LANDLINE	PK	PK NAIL
F	FOUND	(M)	MEASURED	RCP	REINFORCED CONC PIPE
FF	FINISHED FLOOR	MB	MAILBOX	RR	RAILROAD
FH	FIRE HYDRANT	MH	MANHOLE	RW	RECLAIMED WATER
FO	FIBER OPTIC	MW	MONITORING WELL	S	SEWER
G	GAS	ND	NAIL & DISK	SC	SECTION CORNER
GM	GAS METER	NL	NAIL	SH	SPRINKLER HEAD
GV	GAS VALVE	OE	OVERHEAD UTILITY LINES	SPIG	WATER SPIGOT
IGV	IRRIGATION	OR	OFFICIAL RECORDS	SS	SANITARY SEWER
IPV	IRON PIPE	P	POST	ST	STORM SEWER
IR	IRON ROD	(P)	PER PLAT	SV	SANITARY SEWER VALVE
IRRV	IRRIGATION VALVE	PB	PLAT BOOK	TB	TELEPHONE RISER

				TEL	TELEPHONE
				TP	TELEPHONE POINT
				TSC	TRAFFIC SIGNAL CONTROL
				TSP	TRAFFIC SIGNAL POLE
				TV	CABLE TELVISION
				UE	UNDERGROUND UTILITY LINES
				W	WATER
				WH	WOODEN HUB
				WM	WATER METER
				WV	WATER VALVE
				XC	X CUT

ANT	ANTENNA		
BM	BENCHMARK		
CO	CLEANOUT		
CONC	CONCRETE		
CM	CONCRETE MONUMENT		
CPP	CORRUGATED METAL PIPE		
CPP	CORREGATED PLASTIC PIPE		
(D)	AS DESCRIBED		
DI	DRAINAGE INLET		
DIP	DUCTILE IRON PIPE		
DH	DRILL HOLE		
EB	ELECTRIC RISER		
ELEC	ELECTRIC		

LEGEND

BM	BENCHMARK	CO	CLEANOUT	MB	MAIL BOX
ND	NAIL & DISK		DECIDUOUS TREE		PALM TREE
TP	TRAVERSE POINT		ELECTRIC TRANSFORMER	P	POST
	SET 60d NAIL (EXTERIOR)		EVERGREEN TREE		SATELITE DISH
	SET 60d NAIL (INTERIOR)		FIRE HYDRANT		SPIGOT
F	FOUND MONUMENT (TYPE)		FLAG (AS SHOWN)		SPRINKLER HEAD
S	SET MONUMENT (TYPE)		GUY ANCHOR		TRAFFIC SIGN
SC	SECTION CORNER		LIGHT POLE		UTILITY MARKER (AS SHOWN)
					UTILITY MANHOLE (AS SHOWN)
					UTILITY METER (AS SHOWN)
					UTILITY RISER (AS SHOWN)
					UTILITY VALVE (AS SHOWN)
					UTILITY POLE (AS SHOWN)
					WELL

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MARK	DATE	DESCRIPTION	BY

Client:
Proj. Loc.: FORT McCLELLAN, AL

FORT McCLELLAN
SPECIFIC PURPOSE SURVEY
BAINS GAP RANGE EAST
SECTION 23 - T 24 S - R 08 E

Project No.: 200-04546-09004
Designed By:
Drawn By: CIS
Checked By: LEJ

V108

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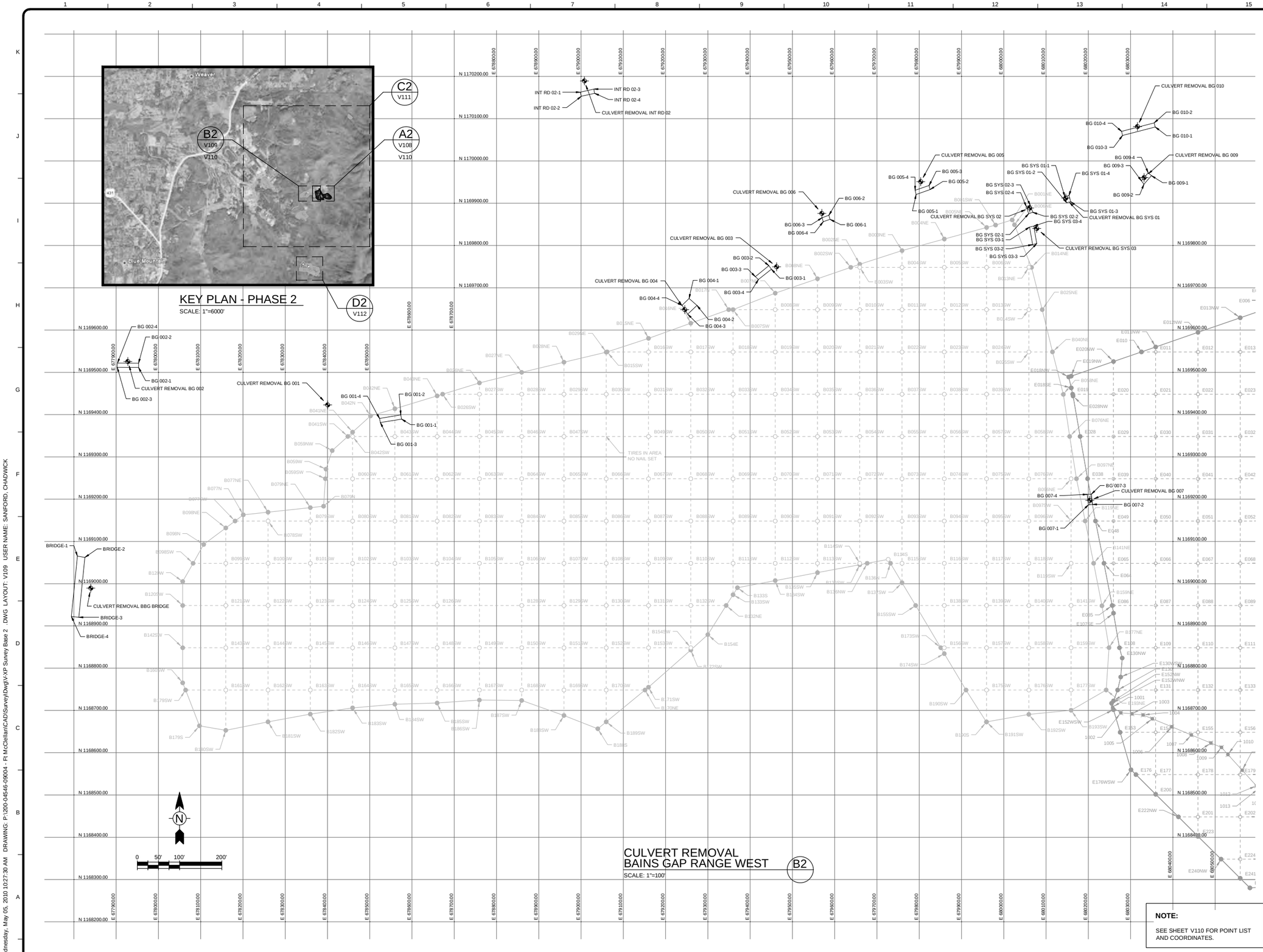

ABBREVIATIONS

ANT	ANTENNA	TEL	TELEPHONE
BM	BENCHMARK	TP	TRAVERSE POINT
CO	CLEANOUT	TSC	TRAFFIC SIGNAL CONTROL
CONC	CONCRETE	TSP	TRAFFIC SIGNAL POLE
CM	CONCRETE MONUMENT	TV	CABLE TELVISION
CMP	CORRUGATED METAL PIPE	UE	UNDERGROUND UTILITY LINES
CPP	CORRUGATED PLASTIC PIPE	W	WATER
(D)	AS DESCRIBED	WH	WOODEN HUB
DI	DRAINAGE INLET	WM	WATER METER
DP	DRAINAGE PIPE/TYPE	WV	WATER VALVE
DH	DRILL HOLE	XC	X CUT
EB	ELECTRIC RISER		
ELEC	ELECTRIC		
EM	ELECTRIC METER	PG	PAGE
ET	ELECTRIC TRANSFORMER	PK	PK NAIL
F	FOUND	RCP	REINFORCED CONC PIPE
FF	FINISHED FLOOR	RR	RAILROAD
FH	FIRE HYDRANT	RW	RECLAIMED WATER
FS	FIBER OPTIC	S	SEWER
G	GAS	SC	SECTION CORNER
GM	GAS METER	SH	SPRINKLER HEAD
GV	GAS VALVE	SPIG	WATER SPIGOT
IV	IRRIGATION	SR	SANITARY SEWER
IP	IRON PIPE	ST	STORM SEWER
IR	IRON ROD	SV	SANITARY SEWER VALVE
IRRV	IRRIGATION VALVE	TB	TELEPHONE RISER
JBL	JURISDICTIONAL BOUNDARY LINE		
(M)	MEASURED		
MB	MAILBOX		
MH	MANHOLE		
MW	MONITORING WELL		
ND	NAIL & DISK		
NL	NAIL		
OE	OVERHEAD UTILITY LINES		
OR	OFFICIAL RECORDS		
P	POST		
(P)	PER PLAT		
PB	PLAT BOOK		

LEGEND

BM BENCHMARK	CO CLEANOUT	MB MAIL BOX	UTILITY MARKER (AS SHOWN)
ND NAIL & DISK	DECIDUOUS TREE	P PALM TREE	UTILITY MANHOLE (AS SHOWN)
TP TRAVERSE POINT	ELECTRIC TRANSFORMER	P POST	UTILITY METER (AS SHOWN)
SET 60d NAIL (EXTERIOR)	EVERGREEN TREE	SATELITE DISH	UTILITY RISER (AS SHOWN)
SET 60d NAIL (INTERIOR)	FIRE HYDRANT	SPIGOT	UTILITY VALVE (AS SHOWN)
F FOUND MONUMENT (TYPE)	FLAG (AS SHOWN)	SPRINKLER HEAD	UTILITY POLE (AS SHOWN)
S SET MONUMENT (TYPE)	GUY ANCHOR	TRAFFIC SIGN	WELL
SC SECTION CORNER	LIGHT POLE		

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MARK	DATE	DESCRIPTION	BY

Client:
Proj. Loc.: FORT McCLELLAN, AL

FORT McCLELLAN
SPECIFIC PURPOSE SURVEY
BAINS GAP RANGE WEST
SECTION 23 - T 24 S - R 08 E

Project No.:	200-04546-09004
Designed By:	
Drawn By:	CIS
Checked By:	LEJ

V109

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POINT LIST
BAINS GAP RANGE EAST (A2)

BOUNDARY POINTS

POINT TABLE

DESCRIPTION	NORTHING	EASTING
E151NE	1168798.4	682459.5
E002NW	1169881.0	680759.5
E047SE	1169248.3	681126.2
E001	1169848.3	680696.4
E128NE	1168895.4	682359.5
E129SE	1168848.3	682408.1
E096NE	1169032.6	681359.5
E152WSW	1168701.7	680259.5
E105NE	1168992.4	682259.5
E106SE	1168948.3	682305.0
E012NW	1169594.4	680459.5
E189	1168548.4	681559.5
E188	1168602.5	681459.5
E058	1169148.3	681159.5
E074NE	1169114.5	681259.5
E075SE	1169048.3	681346.1
E059	1169148.3	681685.6
E221NE	1168548.3	682488.5
E241	1168303.2	680559.5
E242	1168284.0	680659.6
E243	1168288.5	680759.6
E244	1168293.0	680859.6
E245	1168297.5	680959.6
E246	1168302.0	681059.6
E247	1168306.5	681159.6
E248	1168311.0	681259.6
E249	1168315.5	681359.5
E198NE	1168648.3	682507.2
E223	1168402.4	680459.5
E224	1168348.3	680559.5
E202	1168448.3	680559.5
E203	1168448.3	680659.5
E225	1168348.3	680659.5
E204	1168448.3	680759.5
E226	1168348.3	680759.5
E205	1168448.3	680859.5
E227	1168348.3	680859.5
E206	1168448.3	680959.5
E228	1168348.3	680959.5
E207	1168448.3	681059.5
E229	1168348.3	681059.5
E208	1168448.3	681159.5
E230	1168348.3	681159.5
E209	1168448.3	681259.5
E232	1168348.3	681359.5
E231	1168348.3	681259.5
E210	1168448.3	681359.5
E232SE	1168348.3	681399.0
E234	1168436.1	681859.5
E235	1168417.6	681959.5
E236	1168399.0	682059.5
E238	1168386.9	682259.5
E237	1168381.9	682159.6
E239	1168406.5	682359.5
E239NE	1168448.3	682413.0
E200	1168501.7	680359.5
E201	1168448.3	680459.5
E178	1168548.3	680459.5
E179	1168548.3	680559.5
E180	1168548.3	680659.5
E181	1168548.3	680759.5
E182	1168548.3	680859.5
E183	1168548.3	680959.5
E184	1168548.3	681059.5
E185	1168548.3	681159.5
E186	1168548.3	681259.5
E187	1168548.3	681359.5
E213	1168494.3	681659.5
E214	1168454.7	681759.5
E215	1168448.3	681859.5
E192	1168548.3	681859.5
E193	1168548.3	681959.5
E216	1168448.3	681959.5
E194	1168548.3	682059.5
E217	1168448.3	682059.5
E195	1168548.3	682159.5
E218	1168448.3	682159.5
E196	1168548.3	682259.5
E220	1168448.3	682359.5
E219	1168448.3	682259.5

POINT TABLE

DESCRIPTION	NORTHING	EASTING
E152SE	1168748.3	682480.1
E003	1169748.3	680711.9
E004NE	1169848.3	680842.7
E009NE	1169748.3	680888.2
E005NW	1169811.5	680859.5
E006NE	1169663.4	680659.5
E006	1169648.3	680615.5
E010	1169548.3	680325.7
E019	1169448.3	680162.8
E038	1169248.3	680198.2
E048	1169148.3	680216.9
E064	1169048.3	680237.0
E085	1168948.3	680256.4
E107SE	1168930.1	680259.5
E108	1168848.3	680273.7
E130	1168748.3	680269.2
E152NW	1168722.8	680259.5
E153	1168648.3	680275.1
E176	1168548.3	680312.6
E222NW	1168448.3	680413.3
E210NE	1168548.3	681397.9
E232NE	1168448.3	681366.6
E233NW	1168448.3	681793.9
E060NE	1169210.1	681859.5
E059NE	1169174.5	681759.5
E078NE	1169139.0	681659.5
E077NE	1169103.5	681559.5
E076NE	1169067.9	681459.5
E076	1169048.3	681404.3
E240NW	1168348.3	680514.0
E057E	1169206.0	681146.1
E057ENE	1169198.0	681147.9
E075ENE	1169083.6	681311.3
E075ESE	1169068.8	681326.7
E061N	1169230.1	681915.9
E063NE	1169167.4	682079.2
E028NW	1169443.9	680163.8
E018NW	1169488.9	680153.6
E152ENE	1168789.2	682468.9
E198ENE	1168606.3	682518.5
E220SE	1168479.3	682452.7
E238SE	1168390.9	682339.5
E213S	1168462.2	681718.8
E187NE	1168621.1	681424.5
E249SE	1168319.3	681445.8
E241S	1168280.5	680582.3
E176WSW	1168559.7	680301.0
E152WNW	1168717.1	680255.0
E001NW	1169875.4	680692.2
E002NE	1169884.7	680826.2
E007NW	1169684.9	680721.7
E130NW	1168824.0	680280.2
E130WSW	1168779.2	680276.5
E084SE	1169048.3	682201.9
E083NE	1169089.5	682159.5
E011NW	1169559.9	680359.5

CULVERT REMOVAL POINTS
PROVIDED BY CLIENT

POINT TABLE

DESCRIPTION	NORTHING	EASTING
CULVERT REMOVAL BG 002	1169525.5	677927.8
CULVERT REMOVAL BG 004	1169648.3	679245.2
CULVERT REMOVAL BG 005	1169950.8	679803.7
CULVERT REMOVAL BG 006	1169875.9	679569.7
CULVERT REMOVAL BG 007	1169197.1	680203.6
CULVERT REMOVAL BG 009	1169960.5	680332.1
CULVERT REMOVAL BG 010	1170081.2	680316.4
CULVERT REMOVAL BG SYS 01	1169912.1	680146.6
CULVERT REMOVAL BG SYS 02	1169888.4	680061.2
CULVERT REMOVAL BG SYS 03	1169840.1	680078.0
CULVERT REMOVAL INT RD 02	1170189.3	679007.7
CULVERT REMOVAL BG 001	1169422.9	678400.5
CULVERT REMOVAL BG 003	1169749.6	679462.8
CULVERT REMOVAL BG 008	1169985.1	681347.4
CULVERT REMOVAL BBG BRIDGE	1168989.4	677840.3

POINT LIST
BAINS GAP RANGE WEST (B2)

INTERIOR POINTS

POINT TABLE

DESCRIPTION	NORTHING	EASTING
E221NE	1168548.3	682488.5
E241	1168303.2	680559.5
E242	1168284.0	680659.6
E243	1168288.5	680759.6
E244	1168293.0	680859.6
E245	1168297.5	680959.6
E246	1168302.0	681059.6
E247	1168306.5	681159.6
E248	1168311.0	681259.6
E249	1168315.5	681359.5
E198NE	1168648.3	682507.2
E223	1168402.4	680459.5
E224	1168348.3	680559.5
E202	1168448.3	680559.5
E203	1168448.3	680659.5
E225	1168348.3	680659.5
E204	1168448.3	680759.5
E226	1168348.3	680759.5
E205	1168448.3	680859.5
E227	1168348.3	680859.5
E206	1168448.3	680959.5
E228	1168348.3	680959.5
E207	1168448.3	681059.5
E229	1168348.3	681059.5
E208	1168448.3	681159.5
E230	1168348.3	681159.5
E209	1168448.3	681259.5
E232	1168348.3	681359.5
E231	1168348.3	681259.5
E210	1168448.3	681359.5
E232SE	1168348.3	681399.0
E234	1168436.1	681859.5
E235	1168417.6	681959.5
E236	1168399.0	682059.5
E238	1168386.9	682259.5
E237	1168381.9	682159.6
E239	1168406.5	682359.5
E239NE	1168448.3	682413.0
E200	1168501.7	680359.5
E201	1168448.3	680459.5
E178	1168548.3	680459.5
E179	1168548.3	680559.5
E180	1168548.3	680659.5
E181	1168548.3	680759.5
E182	1168548.3	680859.5
E183	1168548.3	680959.5
E184	1168548.3	681059.5
E185	1168548.3	681159.5
E186	1168548.3	681259.5
E187	1168548.3	681359.5
E213	1168494.3	681659.5
E214	1168454.7	681759.5
E215	1168448.3	681859.5
E192	1168548.3	681859.5
E193	1168548.3	681959.5
E216	1168448.3	681959.5
E194	1168548.3	682059.5
E217	1168448.3	682059.5
E195	1168548.3	682159.5
E218	1168448.3	682159.5
E196	1168548.3	682259.5
E220	1168448.3	682359.5
E219	1168448.3	682259.5

POINT TABLE

DESCRIPTION	NORTHING	EASTING
E197	1168548.3	682359.5
E221	1168492.4	682459.5
E152SE	1168748.3	682480.1
E177	1168548.3	680359.5
E154	1168648.3	680359.5
E155	1168648.3	680459.5
E156	1168648.3	680559.5
E157	1168648.3	680659.5
E158	1168648.3	680759.5
E159	1168648.3	680859.5
E160	1168648.3	680959.5
E161	1168648.3	681059.5
E162	1168648.3	681159.5
E163	1168648.3	681259.5
E164	1168648.3	681359.5
E188	1168602.5	681459.5
E189	1168548.4	681559.5
E166	1168648.3	681559.6
E167	1168648.2	681659.5
E191	1168548.3	681759.5
E190	1168548.3	681659.5
E168	1168648.3	681759.5
E169	1168648.3	681859.5
E170	1168648.3	681959.5
E171	1168648.3	682059.5
E172	1168648.3	682159.5
E173	1168648.3	682259.5
E174	1168648.3	682359.5
E175	1168648.3	682459.5
E198	1168548.3	682459.5
E152WSW	1168701.7	680259.5
E131	1168748.3	680359.5
E132	1168748.3	680459.5
E133	1168748.3	680559.5
E134	1168748.3	680659.5
E135	1168748.3	680759.5
E136	1168748.3	680859.5
E137	1168748.3	680959.5
E138	1168748.3	681059.5
E139	1168748.3	681159.5
E140	1168748.3	681259.5
E141	1168748.3	681359.5
E142	1168748.3	681459.5
E165	1168648.3	681459.5
E143	1168748.3	681559.5
E144	1168748.3	681659.5
E145	1168748.3	681759.5
E146	1168748.3	681859.5
E147	1168748.3	681959.5
E148	1168748.3	682059.5
E149	1168748.3	682159.5
E150	1168748.3	682259.5
E151	1168748.3	682359.5
E152	1168748.3	682459.5
E109	1168848.3	680359.5
E110	1168848.3	680459.5
E111	1168848.3	680559.5
E112	1168848.3	680659.5
E113	1168848.3	680759.5
E114	1168848.3	680859.5
E115	1168848.3	680959.5
E116	1168848.3	681059.5
E117	1168848.3	681159.5

POINT TABLE

DESCRIPTION	NORTHING	EASTING
E118	1168848.3	681259.5
E119	1168848.3	681359.5
E120	1168848.3	681459.5
E121	1168848.3	681559.5
E122	1168848.3	681659.5
E123	1168848.3	681759.5
E124	1168848.3	681859.5
E125	1168848.3	681959.5
E126	1168848.3	682059.5
E127	1168848.3	682159.5
E128	1168848.3	682259.5
E129	1168848.3	682359.5
E151NE	1168798.4	682459.5
E087	1168948.3	680359.5
E088	1168948.3	680459.5
E089	1168948.3	680559.5
E090	1168948.3	680659.5
E091	1168948.3	680759.5
E092	1168948.3	680859.5
E093	1168948.3	680959.5
E094	1168948.3	681059.5
E095	1168948.3	681159.5
E096	1168948.3	681259.5
E097	1168948.3	681359.5
E098	1168948.3	681459.5
E099	1168948.3	681559.5
E100	1168948.3	681659.5
E101	1168948.3	681759.5
E102	1168948.3	681859.5
E103	1168948.3	681959.5
E104	1168948.3	682059.5
E105	1168948.3	682159.5
E106	1168948.3	682259.5
E128NE	1168895.4	682359.5
E129SE	1168848.3	682408.1
E086	1168948.3	680259.5
E065	1169048.3	680259.5
E066	1169048.3	680359.5
E067	1169048.3	680459.5
E068	1169048.3	680559.5
E069	1169048.3	680659.5
E070	1169048.3	680759.5
E071	1169048.3	680859.5
E072	1169048.3	680959.5
E073	1169048.3	681059.5
E074	1169048.3	681159.5
E075	1169048.3	681259.5
E096NE	1169032.6	681359.5
E077	1169048.3	681459.5
E078	1169048.3	681559.5
E079	1169048.3	681659.5
E080	1169048.3	681759.5
E081	1169048.3	681859.5
E082	1169048.3	681959.5
E083	1169048.3	682059.5
E084	1169048.3	682159.5
E105NE	1168992.4	682259.5
E106SE	1168948.3	682305.0
E049	1169148.3	680259.5
E050	1169148.3	680359.5
E051	1169148.3	680459.5
E052	1169148.3	680559.5
E053	1169148.3	680659.5

POINT TABLE

DESCRIPTION	NORTHING	EASTING
E054	1169148.3	680759.5
E055	1169148.3	680859.5
E056	1169148.3	680959.5
E057	1169148.3	681059.5
E058	1169148.3	681159.5
E074NE	1169114.5	681259.5
E075SE	1169048.3	681346.1
E059	1169148.3	681685.6
E060	1169148.3	681759.5
E061	1169148.3	681859.5
E062	1169148.3	681959.5
E063	1169148.3	682059.5
E083NE	1169089.5	682159.5
E084SE	1169048.3	682201.9
E039	1169248.3	680259.5
E040	1169248.3	680359.5
E041	1169248.3	680459.5
E042	1169248.3	680559.5
E043	1169248.3	680659.5
E044	1169248.3	680759.5
E045	1169248.3	680859.5
E046	1169248.3	680959.5
E047	1169248.3	681059.5
E057ESE	1169160.9	681159.5
E058SE	1169148.3	681189.0
E061NE	1169213.4	681959.5
E062NE	1169175.0	682059.5
E063SE	1169148.3	682098.9
E028	1169348.3	680180.6
E029	1169348.3	680259.5
E030	1169348.3	680359.5
E031	1169348.3	680459.5
E032	1169348.3	680559.5
E033	1169348.3	680659.5
E034	1169348.3	680759.5
E035	1169348.3	680859.5
E036	1169348.3	680959.5
E037	1169348.3	681059.5
E047SE	1169248.3	681126.2
E020	1169448.3	680259.5
E021	1169448.3	680359.5
E022	1169448.3	680459.5
E023	1169448.3	680559.5
E024	1169448.3	680659.5
E025	1169448.3	680759.5
E026	1169448.3	680859.5
E027	1169448.3	680959.5
E037NW	1169389.6	681059.5
E047NE	1169348.3	681079.0
E019NW	1169490.9	680159.5
E020NW	1169525.4	680259.5
E012	1169548.3	680459.5
E013	1169548.3	680559.5
E015	1169548.3	680759.5
E016	1169548.3	680859.5
E017	1169548.3	680959.5
E036NE	1169448.3	681031.8
E011	1169548.3	680359.5
E011NW	1169559.9	680359.5
E012NW	1169594.4	680459.5
E014	1169548.3	680659.5
E013NW	1169628.9	680559.5
E006	1169648.3	680659.5

POINT TABLE

DESCRIPTION	NORTHING	EASTING
E008	1169648.3	680759.5
E009	1169648.3	680859.5
E017NW	1169599.1	680959.5
E017SE	1169548.3	680983.9
E018SE	1169463.0	680159.5
E004	1169748.3	680759.5
E005	1169748.3	680859.5
E009SE	1169648.3	680933.7
E002	1169848.3	680759.5
E001	1169848.3	680696.4
E002NW	1169881.0	680759.5
E003	1169748.3	680711.9
E004NE	1169848.3	680842.7
E009NE	1169748.3	680888.2
E005NW	1169811.5	680859.5
E006NE	1169663.4	680659.5
E006	1169648.3	680615.5
E010	1169548.3	680325.7
E019	1169448.3	680162.8
E038	1169248.3	680198.2
E048	1169148.3	680216.9
E064	1169048.3	680237.0
E085	1168948.3	680256.4
E107SE	1168930.1	680259.5
E108	1168848.3	680273.7
E130	1168748.3	680269.2
E152NW	1168722.8	680259.5
E153	1168648.3	680275.1
E176	1168548.3	680312.6
E222NW	1168448.3	680413.3
E210NE	1168548.3	681397.9
E232NE	1168448.3	681366.6
E233NW	1168448.3	681793.9
E060NE	1169210.1	681859.5
E059NE	1169174.5	681759.5
E078NE	1169139.0	681659.5
E077NE	1169103.5	681559.5
E076NE	1169067.9	681459.5
E076	1169048.3	681404.3
E240NW	1168348.3	680514.0
E057E	1169206.0	681146.1
E057ENE	1169198.0	681147.9
E075ENE	1169083.6	681311.3
E075ESE	1169068.8	681326.7
E061N	1169230.1	681915.9
E063NE	1169167.4	682079.2
E028NW	1169443.9	680163.8
E018NW	1169488.9	680153.6
E152ENE	1168789.2	682468.9
E198ENE	1168606.3	682518.5
E220SE	1168479.3	682452.7
E238SE	1168390.9	682339.5
E213S	1168462.2	681718.8
E187NE	1168621.1	681424.5
E249SE	1168319.3	681445.8
E241S	1168280.5	680582.3
E176WSW	1168559.7	680301.0
E152WNW	1168717.1	680255.0
E001NW	1169875.4	680692.2
E002NE	1169884.7	680826.2
E007NW	1169684.9	680721.7
E130NW	1168824.0	680280.2
E130WSW	1168779.2	680276.5

CULVERT REMOVAL POINTS
FIELD LOCATED BY TETRATECH

POINT TABLE

DESCRIPTION	NORTHING	EASTING
BG 010-1	1170080.3	680358.3
BG 010-2	1170090.0	680355.8
BG 010-3	1170060.1	680281.1
BG 010-4	1170069.9	680278.6
BG 007-1	1169186.5	680200.2
BG 007-2	1169187.4	680210.1
BG 007-3	1169211.8	680207.3
BG 007-4	1169211.2	680197.3
BG 009-1	1169965.3	680349.3
BG 009-4	1169972.0	680341.9
BG 009-3	1169953.0	680325.6
BG 009-2	1169944.8	680331.7

POINT TABLE

DESCRIPTION	NORTHING	EASTING
BG SYS 01-1	1169915.7	680144.5
BG SYS 01-4	1169918.3	680154.2
BG SYS 01-3	1169903.7	680158.2
BG SYS 01-2	1169901.2	680148.6
BG SYS 02-4	1169892.1	680053.2
BG SYS 02-3	1169895.3	680062.6
BG SYS 02-1	1169875.2	680059.0
BG SYS 02-2	1169878.4	680068.7
BG SYS 03-1	1169843.4	680061.1
BG SYS 03-4	1169845.7	680070.8
BG SYS 03-3	1169804.4	680078.0
BG SYS 03-2	1169802.1	680068.2

POINT TABLE

DESCRIPTION	NORTHING	EASTING
BG 005-1	1169920.7	679792.7
BG 005-2	1169932.1	679825.6
BG 005-3	1169941.9	679823.3
BG 005-4	1169930.6	679790.3
BG 003-3	1169726.2	679412.3
BG 003-4	1169719.6	679419.6
BG 003-1	1169743.9	679450.2
BG 003-2	1169752.1	679444.3
BG 004-2	1169658.1	679274.2
BG 004-3	1169637.4	679252.3
BG 004-4	1169658.4	679238.8
BG 004-1	1169674.5	679255.4

POINT TABLE

DESCRIPTION	NORTHING	EASTING
BG 006-4	1169856.0	679573.0
BG 006-3	1169865.6	679570.3
BG 006-2	1169871.4	679586.3
BG 006-1	1169861.7	679589.0
BG 001-4	1169390.8	678523.1
BG 001-3	1169381.0	678525.1
BG 001-2	1169399.1	678573.6
BG 001-1	1169389.2	678575.6
BG 002-1	1169511.5	677953.0
BG 002-2	1169521.5	677953.3
BG 002-4	1169521.9	677903.3
BG 002-3	1169511.9	677902.6

POINT TABLE

DESCRIPTION	NORTHING	EASTING
BRIDGE-1	1169605.0	677808.4
BRIDGE-2	1169062.3	677826.2
BRIDGE-3	1168920.3	677811.9
BRIDGE-4	1168922.5	677794.1
BG 008-4	1169997.5	681331.6
BG 008-3	1169987.7	681329.4
BG 008-2	1169975.4	681362.9
BG 008-1	1169985.0	681365.9
INT RD 02-1	1170162.5	678998.1
INT RD 02-2	1170152.8	679000.5
INT RD 02-4	1170160.1	679032.0
INT RD 02-3	1170169.9	679030.3

ABBREVIATIONS

EM	ELECTRIC METER	JBL	JURISDICTIONAL BOUNDARY
ET	ELECTRIC TRANSFORMER	LNE	LINE
F	FOUND	(M)	MEASURED
FF	FINISHED FLOOR	MB	MAILBOX
FH	FIRE HYDRANT	MH	MANHOLE
FO	FIBER OPTIC	MW	MONITORING WELL
G	GAS	ND	NAIL & DISK
GM	GAS METER	NL	NAIL
GV	GAS VALVE	OE	OVERHEAD UTILITY LINES
IN	INWARD	OR	OFFICIAL RECORDS
IP	IRON PIPE	P	POST
IR	IRON ROD	(P)	PER PLAT
IRRV	IRRIGATION VALVE	PB	PLAT BOOK
PG	PAGE	TEL	TELEPHONE
PK	PARKER KALON	TF	TRAVERSE POINT
RCP	REINFORCED CONC PIPE	TSC	TRAFFIC SIGNAL CONTROL
RR	RAILROAD	TSP	TRAFFIC SIGNAL POLE
RW	RECLAIMED WATER	TV	CABLE TELVISION
S	SEWER	UE	UNDERGROUND UTILITY LINES
SC	SECTION CORNER	W	WATER
SH	SPRINKLER HEAD	WH	WOODEN HUB
SPIG	WATER SPIGOT	WM	WATER METER
SS	SANITARY SEWER	WV	WATER VALVE
ST	STORM SEWER	XC	X CUT
SV	SANITARY SEWER VALVE		
TB	TELEPHONE RISER		

ANT	ANTENNA		
BM	BENCHMARK		
CO	CLEANOUT		
CONC	CONCRETE		
CM	CONCRETE MONUMENT		
CPP	CORRUGATED METAL PIPE		
CPP	CORREGATED PLASTIC PIPE		
(D)	AS DESCRIBED		
DI	DRAINAGE INLET		
DIP	DUCTILE IRON PIPE		
DH	DRILL HOLE		
EB	ELECTRIC RISER		
ELEC	ELECTRIC		

LEGEND

BM	BENCHMARK	CO	CLEANOUT
ND	NAIL & DISK		DECIDUOUS TREE
TP	TRAVERSE POINT		ELECTRIC TRANSFORMER
	SET 60d NAIL (EXTERIOR)		EVERGREEN TREE
	SET 60d NAIL (INTERIOR)		FIRE HYDRANT
F	FOUND MONUMENT (TYPE)		FLAG (AS SHOWN)
S	SET MONUMENT (TYPE)		GUY ANCHOR
SC	SECTION CORNER		LIGHT POLE
			UTILITY MARKER (AS SHOWN)
			UTILITY MANHOLE (AS SHOWN)
			UTILITY METER (AS SHOWN)
			UTILITY RISER (AS SHOWN)
			UTILITY VALVE (AS SHOWN)
			UTILITY POLE (AS SHOWN)
			WELL
			MAIL BOX
			PALM TREE
		P	POST
			SATELITE DISH
			SPIGOT
			SPRINKLER HEAD
			TRAFFIC SIGN

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PHONE: (407) 839-3955 FAX: (407) 839-3790

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF AN ALABAMA LICENSED SURVEYOR AND MAPPER

MARK	DATE	DESCRIPTION	BY

Client: FORT McCLELLAN, AL
Prog. Loc.: FORT McCLELLAN, AL

FORT McCLELLAN
SPECIFIC PURPOSE SURVEY
BAINS RANGE GAP - POINT LIST
SECTION 23 - T 24 S - R 08 E

Project No.: 200-04546-09004
Designed By:
Drawn By: CIS
Checked By: LEJ

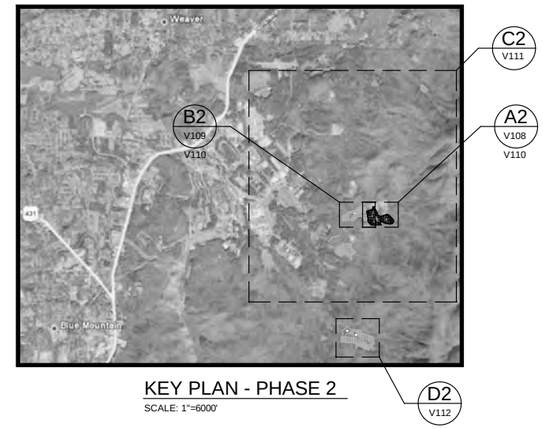
V110

Copyright: Tetra Tech

Wednesday, May 05, 2010 10:27:36 AM DRAWING: P:\200-04546-09004 - Ft McClellan\CAD\Survey\Dwg\V-XP Survey Base 2 DWG LAYOUT: V110 USER NAME: SANFORD, CHADWICK

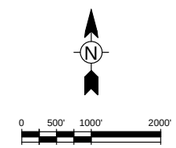
CULVERT REMOVAL C2

SCALE: 1"=1000'



KEY PLAN - PHASE 2

SCALE: 1"=6000'



CULVERT REMOVAL POINTS

PROVIDED BY CLIENT

POINT TABLE			
	DESCRIPTION	NORTHING	EASTING
	CULVERT REMOVAL INT RD 01	1180267.3	680458.6
	CULVERT REMOVAL INT RD 03	1171074.3	678385.5
	CULVERT REMOVAL MOUT RD 01	1178463.1	678079.3
	CULVERT REMOVAL MOUT RD 02	1178907.6	678882.6
	CULVERT REMOVAL W BDY RD 2	1177421.7	676819.3
	CULVERT REMOVAL W BDY RD 5	1170274.8	677162.3
	CULVERT REMOVAL W BDY RD34	1177719.9	676689.2
	CULVERT REMOVAL BBG 001	1166835.6	676884.7

CULVERT REMOVAL POINTS

FIELD LOCATED BY TETRATECH

POINT TABLE			
	DESCRIPTION	NORTHING	EASTING
	INT RD 01-4	1180228.7	680438.0
	W BDY RD 34-4	1177714.2	676695.6
	W BDY RD 34-3	1177704.7	676698.6
	W BDY RD 34-2	1177714.3	676729.6
	W BDY RD 5-1	1170228.4	677149.4
	W BDY RD 5-2	1170218.5	677148.6
	W BDY RD 5-3	1170222.2	677107.8
	W BDY RD 5-4	1170230.7	677102.4
	INT RD 03-3	1171041.9	678419.3
	INT RD 03-4	1171039.7	678409.8
	INT RD 03-1	1171080.5	678407.6
	INT RD 03-2	1171079.3	678417.6
	W BDY RD 2-1	1177433.3	676865.1
	W BDY RD 2-2	1177424.8	676870.4
	W BDY RD 2-3	1177426.2	676839.4
	W BDY RD 2-4	1177435.5	676835.4

POINT TABLE			
	DESCRIPTION	NORTHING	EASTING
	W BDY RD 34-1	1177723.9	676726.6
	BBG 001-1	1166825.9	676864.0
	BBG 001-2	1166817.9	676870.0
	BBG 001-4	1166838.5	676893.1
	BBG 001-3	1166846.4	676887.1
	MOUT RD 01-1	1178529.3	678115.0
	MOUT RD 01-2	1178515.2	678129.2
	MOUT RD 01-3	1178464.3	678075.0
	MOUT RD 01-4	1178480.4	678063.1
	MOUT RD 02-1	1178890.9	678902.1
	MOUT RD 02-2	1178885.6	678893.6
	MOUT RD 02-4	1178917.4	678884.5
	MOUT RD 02-3	1178913.0	678875.5
	INT RD 01-1	1180236.6	680411.4
	INT RD 01-2	1180246.5	680412.7
	INT RD 01-3	1180238.4	680440.5

ABBREVIATIONS

ANT	ANTENNA	EM	ELECTRIC METER	JBL	JURISDICTIONAL BOUNDARY	PG	PAGE
BM	BENCHMARK	ET	ELECTRIC TRANSFORMER	LW	LIVE WATER	PK	PARKING
CO	CLEANOUT	F	FOUND	(M)	MEASURED	RCP	REINFORCED CONC PIPE
CONC	CONCRETE	FF	FINISHED FLOOR	MB	MAILBOX	RR	RAILROAD
CM	CONCRETE MONUMENT	FH	FIRE HYDRANT	MH	MANHOLE	RW	RECLAIMED WATER
CMP	CORRUGATED METAL PIPE	FO	FIBER OPTIC	MW	MONITORING WELL	S	SEWER
CPP	CORREGATED PLASTIC PIPE	G	GAS	ND	NAIL & DISK	SC	SECTION CORNER
(D)	AS DESCRIBED	GM	GAS METER	NL	NAIL	SH	SPRINKLER HEAD
DI	DRAINAGE INLET	GV	GAS VALVE	OE	OVERHEAD UTILITY LINES	SPIG	WATER SPIGOT
EP	DIRECT BURIAL PIPE	IBV	IRRIGATION	OR	OFFICIAL RECORDS	SR	SANITARY SEWER
DH	DRILL HOLE	IP	IRON PIPE	P	POST	ST	STORM SEWER
EB	ELECTRIC RISER	IR	IRON ROD	(P)	PER PLAT	SV	SANITARY SEWER VALVE
ELEC	ELECTRIC	IRRV	IRRIGATION VALVE	PB	PLAT BOOK	TB	TELEPHONE RISER

TEL	TELEPHONE	W	WATER
TF	TELEPHONE FONT	WH	WOODEN HUB
TSC	TRAFFIC SIGNAL CONTROL	WM	WATER METER
TSP	TRAFFIC SIGNAL POLE	WV	WATER VALVE
TV	CABLE TELVISION	XC	X CUT
UE	UNDERGROUND UTILITY LINES		

LEGEND

BM	BENCHMARK	CO	CLEANOUT		MAIL BOX		UTILITY MARKER (AS SHOWN)
ND	NAIL & DISK		DECIDUOUS TREE		PALM TREE		UTILITY MANHOLE (AS SHOWN)
TP	TRAVERSE POINT		ELECTRIC TRANSFORMER	P	POST		UTILITY METER (AS SHOWN)
	SET 60d NAIL (EXTERIOR)		EVERGREEN TREE		SATELITE DISH		UTILITY RISER (AS SHOWN)
	SET 60d NAIL (INTERIOR)		FIRE HYDRANT		SPIGOT		UTILITY VALVE (AS SHOWN)
F	FOUND MONUMENT (TYPE)		FLAG (AS SHOWN)		SPRINKLER HEAD		UTILITY POLE (AS SHOWN)
S	SET MONUMENT (TYPE)		GUY ANCHOR		TRAFFIC SIGN		WELL
SC	SECTION CORNER		LIGHT POLE				

MARK	DATE	DESCRIPTION	BY

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ORLANDO, FLORIDA 32801
PHONE: (407) 839-3955 FAX: (407) 839-3790

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Client:
Proj. Loc.: FORT McCLELLAN, AL

FORT McCLELLAN
SPECIFIC PURPOSE SURVEY

CULVERT REMOVAL LOCATIONS

Project No.: 200-04546-09004
Designed By:
Drawn By: CIS
Checked By: LEJ

V111

Wednesday, May 05, 2010 10:27:48 AM DRAWING: P:\200-04546-09004 - Ft McClellan\CAD\Survey\Dwg\V-XP Survey Base 2 .DWG LAYOUT: V111 USER NAME: SANFORD, CHADWICK

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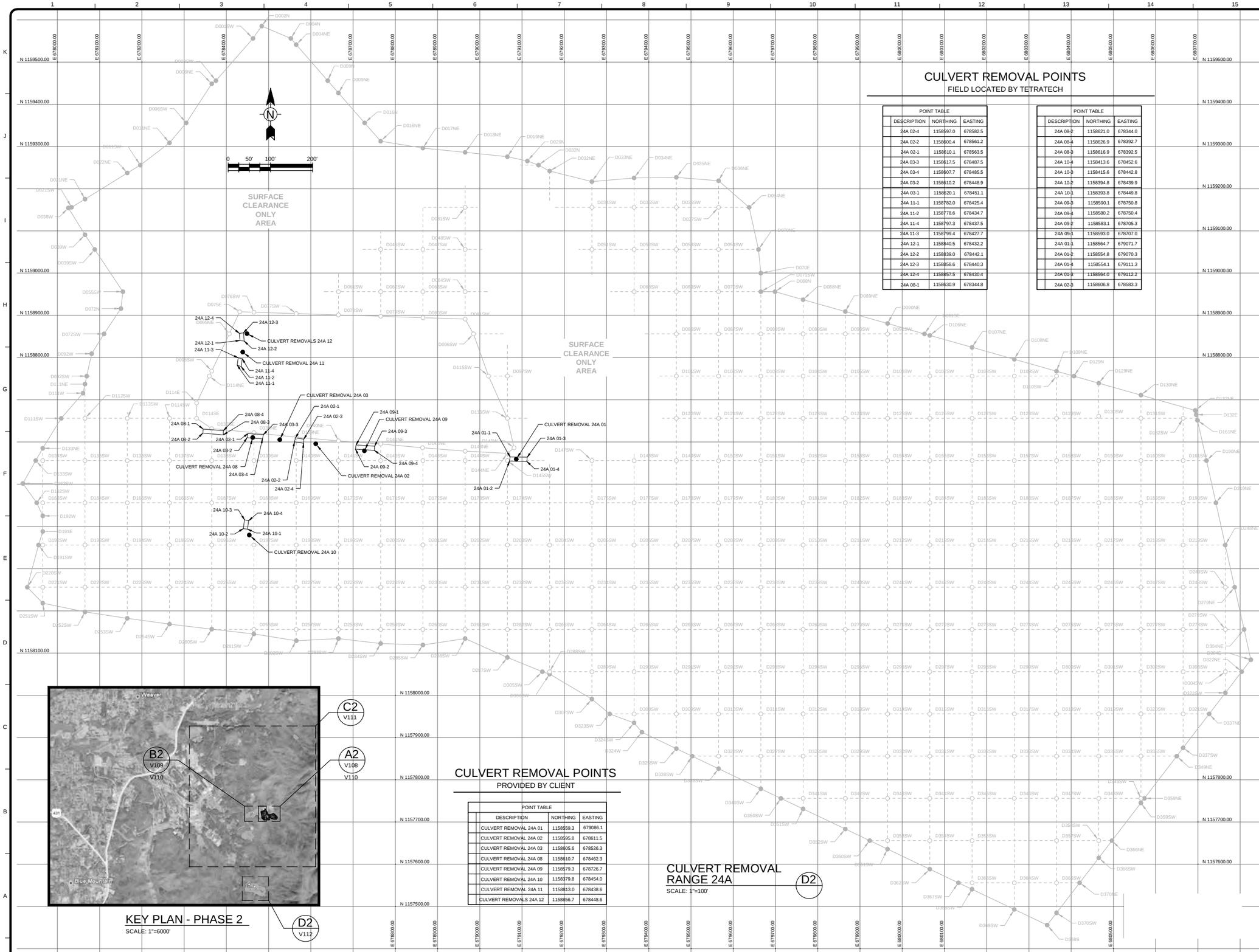

CULVERT REMOVAL POINTS

FIELD LOCATED BY TETRATECH

POINT TABLE

DESCRIPTION	NORTHING	EASTING
24A 02-4	1158597.0	678582.5
24A 02-2	1158600.4	678561.2
24A 02-1	1158610.1	678563.5
24A 03-3	1158617.5	678487.5
24A 03-4	1158607.7	678485.5
24A 03-2	1158610.2	678448.9
24A 03-1	1158620.1	678451.1
24A 11-1	1158782.0	678425.4
24A 11-2	1158778.6	678434.7
24A 11-4	1158797.3	678437.5
24A 11-3	1158799.4	678427.7
24A 12-1	1158840.5	678432.2
24A 12-2	1158839.0	678442.1
24A 12-3	1158858.6	678440.3
24A 12-4	1158857.5	678430.4
24A 08-1	1158630.9	678344.8

POINT TABLE

DESCRIPTION	NORTHING	EASTING
24A 08-2	1158621.0	678344.0
24A 08-4	1158626.9	678392.7
24A 08-3	1158616.9	678392.5
24A 10-4	1158413.6	678452.6
24A 10-3	1158415.6	678442.8
24A 10-2	1158394.8	678439.9
24A 10-1	1158393.8	678449.8
24A 09-3	1158590.1	678750.8
24A 09-4	1158580.2	678750.4
24A 09-2	1158583.1	678705.3
24A 09-1	1158593.0	678707.0
24A 01-1	1158564.7	679071.7
24A 01-2	1158554.8	679070.3
24A 01-4	1158554.1	679111.3
24A 01-3	1158564.0	679112.2
24A 02-3	1158606.8	678583.3

CULVERT REMOVAL POINTS

PROVIDED BY CLIENT

POINT TABLE

DESCRIPTION	NORTHING	EASTING
CULVERT REMOVAL 24A 01	1158559.3	679086.1
CULVERT REMOVAL 24A 02	1158595.8	678611.5
CULVERT REMOVAL 24A 03	1158605.6	678526.3
CULVERT REMOVAL 24A 08	1158610.7	678462.3
CULVERT REMOVAL 24A 09	1158579.3	678726.7
CULVERT REMOVAL 24A 10	1158379.8	678454.0
CULVERT REMOVAL 24A 11	1158813.0	678438.6
CULVERT REMOVALS 24A 12	1158856.7	678448.6

CULVERT REMOVAL RANGE 24A

SCALE: 1"=100'

D2

KEY PLAN - PHASE 2

SCALE: 1"=6000'

ABBREVIATIONS

ANT	ANTENNA	JBL	JURISDICTIONAL BOUNDARY
BM	BENCHMARK	LINES	LINES
CO	CLEANOUT	(M)	MEASURED
CONC	CONCRETE	MB	MAILBOX
CM	CONCRETE MONUMENT	MH	MANHOLE
CMP	CORRUGATED METAL PIPE	MW	MONITORING WELL
CPP	CORREGATED PLASTIC PIPE	ND	NAIL & DISK
(D)	AS DESCRIBED	NL	NAIL
DI	DRAINAGE INLET	OE	OVERHEAD UTILITY LINES
DIP	DUCTILE IRON PIPE	OR	ORIGINAL RECORDS
DH	DRILL HOLE	P	POST
EB	ELECTRIC RISER	(P)	PER PLAT
ELEC	ELECTRIC	PB	PLAT BOOK
EM	ELECTRIC METER	PG	PAGE
ET	ELECTRIC TRANSFORMER	PK	PK NAIL
F	FOUND	RCP	REINFORCED CONC PIPE
FF	FINISHED FLOOR	RR	RAILROAD
FH	FIRE HYDRANT	RW	RECLAIMED WATER
FO	FIBER OPTIC	S	SOUTH
G	GAS	SC	SECTION CORNER
GM	GAS METER	SH	SPRINKLER HEAD
GV	GAS VALVE	SPIG	WATER SPIGOT
IV	IRRIGATION	SS	SANITARY SEWER
IP	IRON PIPE	ST	STORM SEWER
IR	IRON ROD	SV	SANITARY SEWER VALVE
IRRV	IRRIGATION VALVE	TB	TELEPHONE RISER
TEL	TELEPHONE		
TP	TRAVERSE POINT		
TSC	TRAFFIC SIGNAL CONTROL		
TSP	TRAFFIC SIGNAL POLE		
TV	CABLE TELVISION		
UE	UNDERGROUND UTILITY LINES		
W	WATER		
WH	WOODEN HUB		
WM	WATER METER		
WV	WATER VALVE		
XC	X CUT		

LEGEND

BM	BENCHMARK	CO	CLEANOUT
NAIL	NAIL & DISK		DECIDUOUS TREE
TP	TRAVERSE POINT		ELECTRIC TRANSFORMER
	SET 60d NAIL (EXTERIOR)		EVERGREEN TREE
	SET 60d NAIL (INTERIOR)		FIRE HYDRANT
F	FOUND MONUMENT (TYPE)		FLAG (AS SHOWN)
S	SET MONUMENT (TYPE)		GUY ANCHOR
SC	SECTION CORNER		LIGHT POLE
			MAIL BOX
			PALM TREE
		P	POST
			SATELITE DISH
			SPIGOT
			SPRINKLER HEAD
			TRAFFIC SIGN
			UTILITY MARKER (AS SHOWN)
			UTILITY MANHOLE (AS SHOWN)
			UTILITY METER (AS SHOWN)
			UTILITY RISER (AS SHOWN)
			UTILITY VALVE (AS SHOWN)
			UTILITY POLE (AS SHOWN)
			WELL

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MARK	DATE	DESCRIPTION	BY

Client: Proj. Loc.: FORT McCLELLAN, AL

FORT McCLELLAN
SPECIFIC PURPOSE SURVEY
RANGE 24A
SECTION 26 - T 26 S - R 08 E

Project No.:	200-04546-09004
Designed By:	
Drawn By:	CIS
Checked By:	LEJ

V112

Wednesday, May 05, 2010 10:27:56 AM DRAWING: P:\200-04546-09004 - Ft McClellan\CAD\Survey\Dwg\V-XP Survey Base 2 .DWG LAYOUT: V112 USER NAME: SANFORD, CHADWICK

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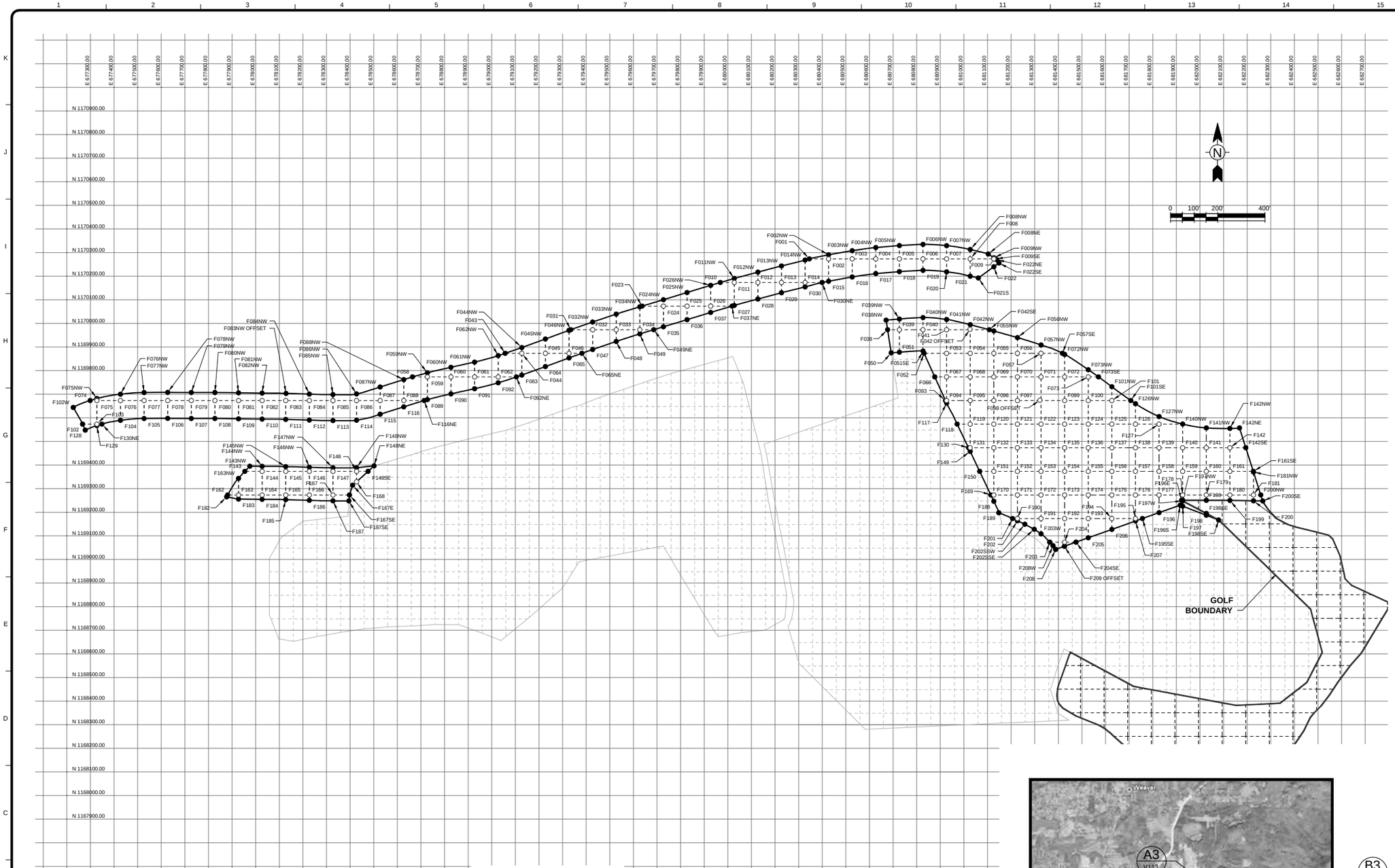


NOTES: (PHASE 3)

1. THE SPECIFIC PURPOSES OF THIS SURVEY WAS TO SET HORIZONTAL GRID CONTROL TO BE USED TO CLEAR UXO DEBRIS AND TO DEFINE LOCATIONS FOR CULVERT REMOVAL.
2. THE FIELD SURVEY WAS PERFORMED FROM JANUARY 5, 2010 THROUGH FEBRUARY 4, 2010.
3. ALL HORIZONTAL COORDINATE VALUES ARE BASED ON NAD 83 (2007), ALABAMA EAST ZONE, US FEET.
4. THE SURVEY CONTROL POINT SHOWN ARE BASED ON NGS SURVEY CONTROL POINT "8-15" (PID DG3703), HAVING A COORDINATE VALUE OF N1168328.9712, E653991.6178, NAD 83 (2007), ALABAMA EAST ZONE, US FEET, AND WAS VERIFIED BY USING NGS ONLINE POSITIONING USER SERVICE (OPUS). THE BASED STATIONS USED BY OPUS WERE:

PID DESIGNATION	LATITUDE	LONGITUDE
DH3584 GACL CARROLLTON CORS ARP	N333757.739	W0850920.588
DI4036 AL40 ALDOT 4 DIV OFF CORS ARP	N325745.644	W0860022.645
DH3600 GANW NEWNAN CORS ARP	N331820.801	W0844602.483
DI2226 AL30 ALDOT 3 DIV OFF CORS ARP	N333156.440	W0865112.265
DK7412 HGIS HUNTSVILLE GIS CORS ARP	N344341.176	W0863512.062
DH3592 GAGR GRIFFIN CORS ARP	N331340.068	W0841640.562
DI3824 AL60 ALDOT 6 DIV OFF CORS ARP	N322440.923	W0861613.947
DH3594 GALV LAWRENCEVILLE CORS ARP	N335840.382	W0835848.728
DI2228 AL50 ALDOT 5 DIV OFF CORS ARP	N331004.685	W0873005.426

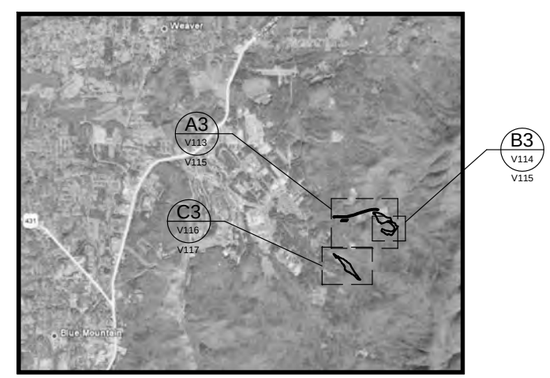
SHEET INDEX - PHASE 3

Sheet Number	Sheet Title
V113	FOXTROT
V114	GOLF
V115	FOXTROT & GOLF POINTS
V116	HOTEL
V117	HOTEL POINTS

NOTE:

SEE SHEET V115 FOR POINT LIST AND COORDINATES.

FOXTROT A3
SCALE: 1"=200'



KEY PLAN - PHASE 3
SCALE: 1"=6000'

ABBREVIATIONS

ANT	ANTENNA	EM	ELECTRIC METER	JBL	JURISDICTIONAL BOUNDARY
BM	BENCHMARK	ET	ELECTRIC TRANSFORMER	LINE	LINE
CO	CLEANOUT	F	FOUND	(M)	MEASURED
CONC	CONCRETE	FF	FINISHED FLOOR	MB	MAILBOX
CMP	CORRUGATED METAL PIPE	FH	FIRE HYDRANT	MH	MANHOLE
CPP	CORREGATED PLASTIC PIPE	FO	FIBER OPTIC	MW	MONITORING WELL
(D)	AS DESCRIBED	G	GAS	ND	NAIL & DISK
DI	DRAINAGE INLET	GM	GAS METER	NL	NAIL
DIP	DUCTILE IRON PIPE	GV	GAS VALVE	OE	OVERHEAD UTILITY LINES
DH	DRILL HOLE	IPV	IRON PIPE	OR	ORIGINAL RECORDS
EB	ELECTRIC RISER	IP	IRON PIPE	POST	POST
ELEC	ELECTRIC	IR	IRON ROD	(P)	PER PLAT
		IRRV	IRRIGATION VALVE	PB	PLAT BOOK

PG	PAGE	TEL	TELEPHONE		
PK	PK NAIL	TP	TELEPHONE POINT		
RCP	REINFORCED CONC PIPE	TSC	TRAFFIC SIGNAL CONTROL		
RR	RAILROAD	TSP	TRAFFIC SIGNAL POLE		
RW	RECLAIMED WATER	TV	CABLE TELVISION		
SET	SET	UE	UNDERGROUND UTILITY LINES		
SC	SECTION CORNER	W	WATER		
SH	SPRINKLER HEAD	WH	WOODEN HUB		
SPIG	WATER SPIGOT	WM	WATER METER		
SR	SANITARY SEWER	WV	WATER VALVE		
ST	STORM SEWER	XC	X CUT		
SV	SANITARY SEWER VALVE				
TB	TELEPHONE RISER				

LEGEND

BM	BENCHMARK	CO	CLEANOUT		MAIL BOX
ND	NAIL & DISK		DECIDUOUS TREE		PALM TREE
TP	TRAVERSE POINT		ELECTRIC TRANSFORMER	P	POST
	SET 60d NAIL (EXTERIOR)		EVERGREEN TREE		SATELITE DISH
	SET 60d NAIL (INTERIOR)		FIRE HYDRANT		SPIGOT
F	FOUND MONUMENT (TYPE)		FLAG (AS SHOWN)		SPRINKLER HEAD
S	SET MONUMENT (TYPE)		GUY ANCHOR		TRAFFIC SIGN
SC	SECTION CORNER		LIGHT POLE		UTILITY MARKER (AS SHOWN)
					UTILITY MANHOLE (AS SHOWN)
					UTILITY METER (AS SHOWN)
					UTILITY RISER (AS SHOWN)
					UTILITY VALVE (AS SHOWN)
					UTILITY POLE (AS SHOWN)
					WELL

MARK	DATE	DESCRIPTION	BY

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Client:
Prog. Loc.: Ft McCLELLAN, AL

FORT McCLELLAN
SPECIFIC PURPOSE SURVEY
FOXTROT
SECTION 24 - T 24 S - R 08 E

Project No.:	200-04546-09004
Designed By:	
Drawn By:	CIS
Checked By:	LEJ

V113

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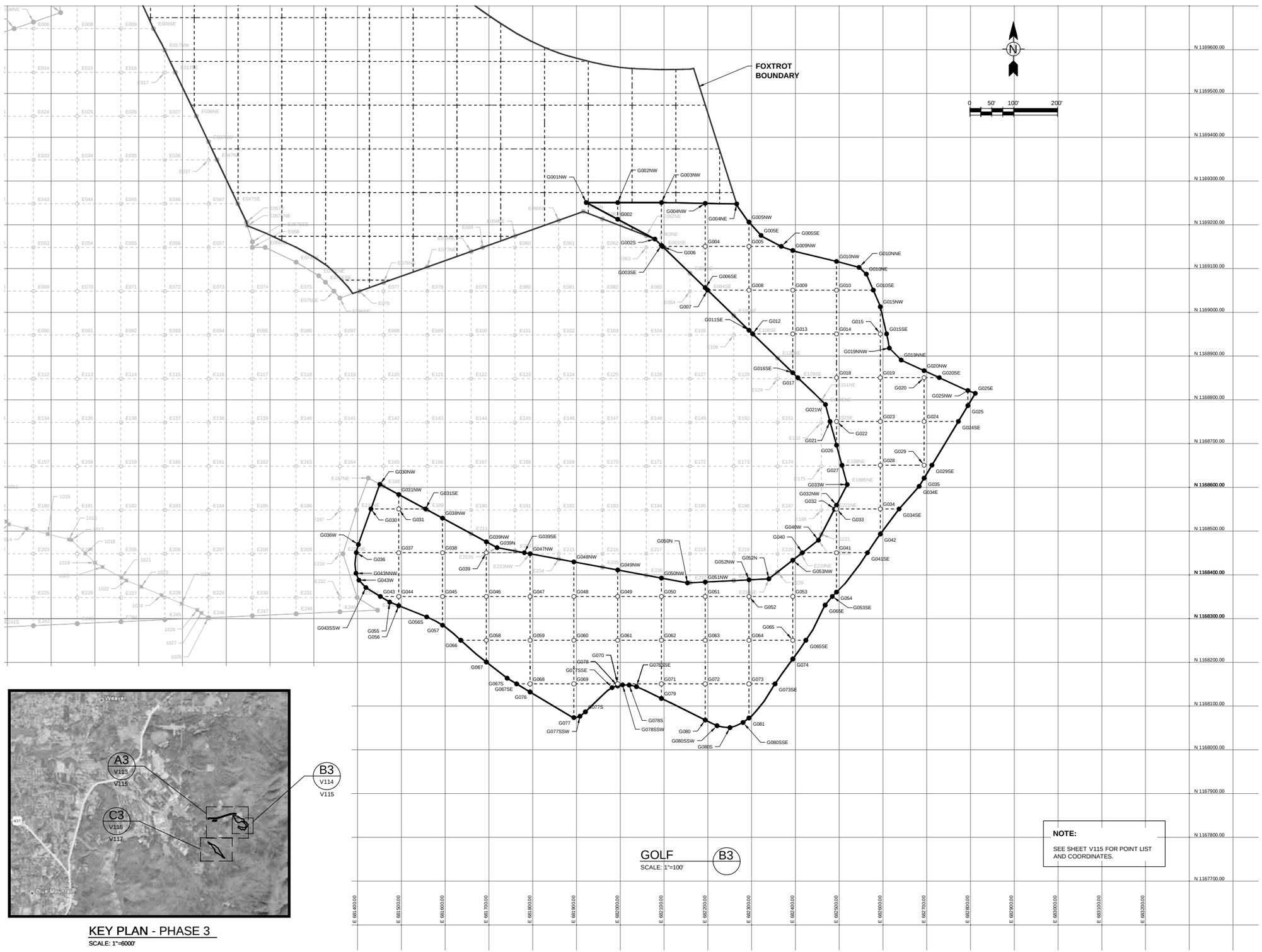

KEY PLAN - PHASE 3

SCALE: 1"=6000'

ABBREVIATIONS

EM	ELECTRIC METER	JBL	JURISDICTIONAL BOUNDARY
ET	ELECTRIC TRANSFORMER	LWL	LAKE
F	FOUND	(M)	MEASURED
FF	FINISHED FLOOR	MB	MAILBOX
FH	FIRE HYDRANT	MH	MANHOLE
FS	FREE STANDING	MW	MONITORING WELL
G	GAS	ND	NAIL & DISK
GM	GAS METER	NL	NAIL
GV	GAS VALVE	OE	OVERHEAD UTILITY LINES
IGV	IRRIGATION	OR	OFFICIAL RECORDS
IP	IRON PIPE	P	POST
IR	IRON ROD	(P)	PER PLAT
IRRV	IRRIGATION VALVE	PB	PLAT BOOK
PG	PAGE	TEL	TELEPHONE
PK	PK NAIL	TP	TELEPHONE POINT
RCP	REINFORCED CONC PIPE	TSC	TRAFFIC SIGNAL CONTROL
RR	RAILROAD	TSP	TRAFFIC SIGNAL POLE
RW	RECLAIMED WATER	TV	CABLE TELVISION
S	SOUTH	UE	UNDERGROUND UTILITY LINES
SC	SECTION CORNER	W	WATER
SH	SPRINKLER HEAD	WH	WOODEN HUB
SPIG	WATER SPIGOT	WM	WATER METER
SS	SANITARY SEWER	WV	WATER VALVE
ST	STORM SEWER	XC	X CUT
SV	SANITARY SEWER VALVE		
TB	TELEPHONE RISER		
ANT	ANTENNA		
BM	BENCHMARK		
CO	CLEANOUT		
CONC	CONCRETE		
CM	CONCRETE MONUMENT		
CMP	CORRUGATED METAL PIPE		
CPP	CORREGATED PLASTIC PIPE		
(D)	AS DESCRIBED		
DI	DRAINAGE INLET		
DIP	DUCTILE IRON PIPE		
DH	DRILL HOLE		
EB	ELECTRIC RISER		
ELEC	ELECTRIC		

LEGEND

BM	BENCHMARK	CO	CLEANOUT		MAIL BOX
ND	NAIL & DISK		DECIDUOUS TREE		PALM TREE
TP	TRAVERSE POINT		ELECTRIC TRANSFORMER	P	POST
F	FOUND IRON (TYPE)		EVERGREEN TREE		SATELITE DISH
S	SET IRON (TYPE)		FIRE HYDRANT		SPIGOT
F	FOUND MONUMENT (TYPE)		FLAG (AS SHOWN)		SPRINKLER HEAD
S	SET MONUMENT (TYPE)		GUY ANCHOR		TRAFFIC SIGN
SC	SECTION CORNER		LIGHT POLE		UTILITY MARKER (AS SHOWN)
					UTILITY MANHOLE (AS SHOWN)
					UTILITY METER (AS SHOWN)
					UTILITY RISER (AS SHOWN)
					UTILITY VALVE (AS SHOWN)
					UTILITY POLE (AS SHOWN)
					WELL

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MARK	DATE	DESCRIPTION	BY

Client: FORT McCLELLAN, AL
Proj. Loc.:

FORT McCLELLAN
SPECIFIC PURPOSE SURVEY
FOXTROT EAST
GOLF NORTH
SECTION 24 - T 24 S - R 08 E

Project No.:	200-04546-09004
Designed By:	
Drawn By:	CIS
Checked By:	LEJ

V114

Wednesday, May 05, 2010 2:05:02 PM DRAWING: P:\200-04546-09004 - Ft McClellan\CAD\Survey\Dwg\V-XP Survey\Add-2 FGH .DWG LAYOUT: V114 USER NAME: SANFORD, CHADWICK

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POINT LIST FOXTROT (A3)

POINT LIST GOLF (B3)

FOXTROT - BOUNDARY POINTS

POINT TABLE

DESCRIPTION	NORTHING	EASTING
F001	1170273.4	680345.2
F002NW	1170290.5	680427.0
F003NW	1170308.3	680527.0
F004NW	1170321.5	680627.0
F005NW	1170329.8	680727.0
F006NW	1170334.9	680827.0
F007NW	1170329.5	680927.0
F008NE	1170294.0	681103.4
F008NW	1170313.2	681027.0
F009NW	1170278.2	681127.0
F009SE	1170273.4	681134.1
F010	1170173.4	679968.1
F011NW	1170190.4	680027.0
F012NW	1170217.1	680127.0
F013NW	1170243.5	680227.0
F014NW	1170268.4	680327.0
F015	1170178.6	680427.0
F016	1170196.7	680527.0
F017	1170211.0	680627.0
F018	1170219.5	680727.0
F019	1170224.8	680827.0
F020	1170218.5	680927.0
F021	1170200.3	681027.0
F021S	1170192.3	681061.3

POINT TABLE

DESCRIPTION	NORTHING	EASTING
F022	1170240.0	681127.0
F022NE	1170270.1	681139.1
F022SE	1170255.7	681148.7
F023	1170073.4	679636.8
F024NW	1170100.5	679727.0
F025NW	1170130.9	679827.0
F026NW	1170161.3	679927.0
F027	1170076.1	680027.0
F028	1170103.2	680127.0
F029	1170129.9	680227.0
F030	1170154.7	680327.0
F030NE	1170173.4	680399.4
F031	1169973.4	679334.8
F032NW	1170005.8	679427.0
F033NW	1170039.4	679527.0
F034NW	1170070.5	679627.0
F035	1169985.7	679727.0
F036	1170015.9	679827.0
F037	1170046.4	679927.0
F037NE	1170073.4	680018.1
F038	1169973.4	680676.9
F038NW	1170013.7	680670.7
F039NW	1170018.6	680727.0
F040NW	1170024.8	680827.0

POINT TABLE

DESCRIPTION	NORTHING	EASTING
F041NW	1170016.8	680927.0
F042NW	1169994.9	681027.0
F042SE	1169973.4	681107.6
F043	1169873.4	679056.6
F044NW	1169897.7	679127.0
F045NW	1169934.2	679227.0
F046NW	1169970.7	679327.0
F047	1169889.6	679427.0
F048	1169923.5	679527.0
F049	1169955.6	679627.0
F049NE	1169973.4	679686.3
F050	1169875.4	680692.2
F051	1169878.3	680727.0
F051SE	1169882.9	680827.0
F052	1169873.4	680831.3
F055NW	1169968.1	681127.0
F056NW	1169939.8	681227.0
F057NW	1169908.7	681327.0
F057SE	1169873.4	681417.5
F058	1169773.4	678664.2
F059NW	1169790.9	678727.0
F060NW	1169814.2	678827.0
F061NW	1169836.1	678927.0
F062NW	1169863.7	679027.0

POINT TABLE

DESCRIPTION	NORTHING	EASTING
F063	1169781.4	679127.0
F064	1169817.1	679227.0
F065	1169853.7	679327.0
F065NE	1169873.4	679381.9
F066	1169773.4	680876.8
F072NW	1169868.7	681427.0
F073NW	1169803.7	681527.0
F073SE	1169773.4	681570.4
F074	1169673.4	677298.8
F075NW	1169682.0	677327.0
F076NW	1169700.2	677427.0
F077NW	1169707.1	677527.0
F078NW	1169707.8	677627.0
F079NW	1169707.4	677727.0
F080NW	1169707.3	677827.0
F081NW	1169705.9	677927.0
F082NW	1169704.8	678027.0
F084NW	1169700.5	678227.0
F085NW	1169698.4	678327.0
F086NW	1169701.5	678427.0
F087NW	1169730.5	678527.0
F088NW	1169761.7	678627.0
F089	1169677.0	678727.0
F090	1169701.6	678827.0

POINT TABLE

DESCRIPTION	NORTHING	EASTING
F091	1169723.3	678927.0
F092	1169748.4	679027.0
F092NE	1169773.4	679104.1
F093	1169673.4	680922.2
F101NW	1169731.8	681627.0
F101SE	1169673.4	681707.0
F102	1169573.4	677266.5
F102W	1169643.9	677227.0
F104	1169589.6	677427.0
F105	1169597.1	677527.0
F106	1169597.8	677627.0
F107	1169597.4	677727.0
F108	1169597.3	677827.0
F109	1169595.8	677927.0
F110	1169594.8	678027.0
F111	1169593.6	678127.0
F112	1169590.5	678227.0
F113	1169588.4	678327.0
F114	1169589.6	678427.0
F115	1169615.3	678527.0
F116	1169646.5	678627.0
F116NE	1169673.4	678713.7
F117	1169662.9	680927.0
F118	1169573.4	680971.8

POINT TABLE

DESCRIPTION	NORTHING	EASTING
F126NW	1169660.0	681727.0
F127NW	1169605.4	681827.0
F128	1169547.9	677278.1
F129	1169567.1	677327.0
F130	1169473.4	681019.7
F130NE	1169573.4	677348.2
F140NW	1169573.7	681927.0
F141NW	1169557.3	682027.0
F142NE	1169557.3	682167.6
F142NW	1169555.0	682127.0
F142SE	1169473.4	682194.3
F143	1169373.4	677954.0
F143NW	1169395.1	677974.8
F144NW	1169394.8	678027.0
F145NW	1169393.4	678127.0
F146NW	1169390.4	678227.0
F147NW	1169388.3	678327.0
F148NE	1169396.5	678501.4
F148NW	1169388.6	678427.0
F148SE	1169373.2	678475.7
F149	1169458.2	681027.0
F150	1169373.4	681067.1
F161SE	1169373.4	682226.1
F162	1169273.4	677880.9

POINT TABLE

DESCRIPTION	NORTHING	EASTING
F163NW	1169343.6	677927.0
F167E	1169314.6	678410.8
F167SE	1169273.2	678397.0
F169	1169273.4	681114.3
F181NW	1169370.6	682227.0
F182	1169265.6	677877.2
F183	1169255.8	677927.0
F184	1169254.8	678027.0
F185	1169253.4	678127.0
F186	1169250.3	678227.0
F187	1169248.3	678327.0
F187SE	1169248.2	678394.6
F188	1169246.5	681127.0
F189	1169198.0	681147.9
F195SE	1169173.4	681756.4
F196	1169198.6	681827.0
F196E	1169250.7	681922.3
F196S	1169230.1	681915.9
F197	1169225.9	681927.0
F197NW	1169250.7	681927.0
F197W	1169248.2	681927.0
F198	1169187.4	682027.0
F198	1169250.7	682027.0
F198SE	1169167.4	682079.2

POINT TABLE

DESCRIPTION	NORTHING	EASTING
F198SE	1169195.1	682027.0
F199	1169250.3	682127.0
F200	1169248.4	682227.0
F200NW	1169273.4	682258.0
F200SE	1169247.7	682266.2
F201	1169173.4	681206.1
F202	1169163.8	681227.0
F202SSE	1169127.7	681298.1
F202SSW	1169149.4	681258.1
F203	1169073.4	681363.6
F203W	1169108.5	681327.0
F204SE	1169073.4	681475.1
F205	1169091.9	681527.0
F206	1169127.5	681627.0
F207	1169163.0	681727.0
F208	1169042.9	681389.1
F208W	1169058.6	681377.7

FOXTROT - INTERIOR POINTS

POINT TABLE

DESCRIPTION	NORTHING	EASTING
F002	1170273.4	680427.0
F003	1170273.4	680527.0
F004	1170273.4	680627.0
F005	1170273.4	680727.0
F006	1170273.4	680827.0
F007	1170273.4	680927.0
F008	1170273.4	681027.0
F009	1170273.4	681127.0
F011	1170173.4	680027.0
F012	1170173.4	680127.0
F013	1170173.4	680227.0
F014	1170173.4	680327.0
F024	1170073.4	679727.0
F025	1170073.4	679827.0
F026	1170073.4	679927.0
F032	1169973.4	679427.0
F033	1169973.4	679527.0
F034	1169973.4	679627.0
F039	1169973.4	680727.0
F040	1169973.4	680827.0
F041	1169973.4	680927.0
F044	1169873.4	679127.0
F045	1169873.4	679227.0
F046	1169873.4	679327.0
F053	1169873.4	680927.0
F054	1169873.4	681027.0
F055	1169873.4	681127.0
F056	1169873.4	681227.0
F057	1169873.4	681327.0
F059	1169773.4	678727.0
F060	1169773.4	678827.0
F061	1169773.4	678927.0
F062	1169773.4	679027.0
F067	1169773.4	680927.0
F068	1169773.4	681027.0
F069	1169773.4	681127.0
F070	1169773.4	681227.0
F071	1169773.4	681327.0
F072	1169773.4	681427.0
F073	1169773.4	681527.0
F075	1169673.4	677327.0
F076	1169673.4	677427.0
F077	1169673.4	677527.0

POINT TABLE

DESCRIPTION	NORTHING	EASTING
F078	1169673.4	677627.0
F079	1169673.4	677727.0
F080	1169673.4	677827.0
F081	1169673.4	677927.0
F082	1169673.4	678027.0
F083	1169673.4	678127.0
F084	1169673.4	678227.0
F085	1169673.4	678327.0
F086	1169673.4	678427.0
F087	1169673.4	678527.0
F088	1169673.4	678627.0
F094	1169673.4	680927.0
F095	1169673.4	681027.0
F096	1169673.4	681127.0
F097	1169673.4	681227.0
F099	1169673.4	681427.0
F100	1169673.4	681527.0
F101	1169673.4	681627.0
F103	1169573.4	677327.0
F119	1169573.4	681027.0
F120	1169573.4	681127.0
F121	1169573.4	681227.0
F122	1169573.4	681327.0
F123	1169573.4	681427.0
F124	1169573.4	681527.0
F125	1169573.4	681627.0
F126	1169573.4	681727.0
F127	1169573.4	681827.0
F131	1169473.4	681027.0
F132	1169473.4	681127.0
F133	1169473.4	681227.0
F134	1169473.4	681327.0
F135	1169473.4	681427.0
F136	1169473.4	681527.0
F137	1169473.4	681627.0
F138	1169473.4	681727.0
F139	1169473.4	681827.0
F140	1169473.4	681927.0
F141	1169473.4	682027.0
F142	1169473.4	682127.0
F144	1169373.4	678027.0
F145	1169373.4	678127.0
F146	1169373.4	678227.0

POINT TABLE

DESCRIPTION	NORTHING	EASTING
F147	1169373.4	678327.0
F148	1169373.4	678427.0
F151	1169373.4	681127.0
F152	1169373.4	681227.0
F153	1169373.4	681327.0
F154	1169373.4	681427.0
F155	1169373.4	681527.0
F156	1169373.4	681627.0
F157	1169373.4	681727.0
F158	1169373.4	681827.0
F159	1169373.4	681927.0
F160	1169373.4	682027.0
F161	1169373.4	682127.0
F163	1169273.4	677927.0
F164	1169273.4	678027.0
F165	1169273.4	678127.0
F166	1169273.4	678227.0
F167	1169273.4	678327.0
F168	1169329.3	678427.0
F170	1169273.4	681127.0
F171	1169273.4	681227.0
F172	1169273.4	681327.0
F173	1169273.4	681427.0
F174	1169273.4	681527.0
F175	1169273.4	681627.0
F176	1169273.4	681727.0
F177	1169273.4	681827.0
F178	1169273.4	681927.0
F179	1169273.4	682027.0
F180	1169273.4	682127.0
F181	1169273.4	682227.0
F190	1169173.4	681227.0
F191	1169173.4	681327.0
F192	1169173.4	681427.0
F193	1169173.4	681527.0
F194	1169173.4	681627.0
F195	1169173.4	681727.0
F204	1169073.4	681427.0

GOLF - BOUNDARY POINTS

POINT TABLE

DESCRIPTION	NORTHING	EASTING
G001NW	1169250.7	681922.3
G002	1169212.6	681994.1
G002NW	1169250.7	681994.1
G002S	1169167.4	682079.2
G003NW	1169250.7	682094.1
G003SE	1169152.8	682094.2
G004NE	1169247.7	682266.2
G004NW	1169249.0	682194.1
G005E	1169175.6	682321.8
G005NW	1169206.2	682294.1
G005SE	1169150.7	682367.9
G006	1169150.6	682096.5
G006SE	1169056.0	682194.1
G007	1169050.8	682199.5
G009NW	1169141.2	682394.1
G010NE	1169087.4	682562.2
G010NNE	1169102.6	682545.7
G010NW	1169116.2	682494.1
G010SE	1169050.7	682578.2
G011SE	1168959.0	682294.2
G012	1168950.8	682302.4
G015NW	1169012.6	682594.1
G015SE	1168950.7	682608.6
G016SE	1168861.8	682394.1
G017	1168850.7	682405.6
G019NNE	1168890.8	682641.9
G019NNW	1168918.2	682614.8
G020NW	1168866.6	682694.1
G020SE	1168850.7	682728.9
G021	1168750.6	682479.3
G021W	1168789.2	682468.9
G024SE	1168750.7	682772.4
G025	1168786.7	682794.1
G025E	1168814.8	682811.1

POINT TABLE

DESCRIPTION	NORTHING	EASTING
G025NW	1168821.4	682794.1
G026	1168696.3	682494.1
G027	1168650.7	682506.5
G029SE	1168650.7	682712.1
G030	1168550.7	681430.6
G030NW	1168607.0	681451.1
G031NW	1168583.8	681494.0
G031SE	1168550.6	681555.3
G032	1168550.7	682489.7
G032NW	1168559.3	682494.1
G033W	1168606.3	682518.5
G034E	1168602.3	682682.9
G034SE	1168550.7	682637.1
G035	1168620.9	682694.1
G036	1168450.7	681397.1
G036W	1168469.3	681401.8
G038NW	1168529.6	681594.1
G039N	1168462.2	681718.8
G039NW	1168475.5	681694.2
G039SE	1168450.7	681781.0
G040	1168450.7	682416.1
G040W	1168479.3	682452.7
G041SE	1168450.7	682564.9
G042	1168493.2	682594.1
G043	1168350.7	681452.0
G043NNW	1168403.7	681396.3
G043SSW	1168370.7	681419.1
G043W	1168387.8	681403.2
G047NW	1168448.2	681794.2
G048NW	1168429.7	681894.1
G049NW	1168411.2	681994.1
G050N	1168381.6	682153.5
G050NW	1168392.6	682094.1
G051NW	1168383.6	682194.1

POINT TABLE

DESCRIPTION	NORTHING	EASTING
G052N	1168390.9	682339.5
G052NW	1168388.6	682294.2
G053NW	1168433.5	682394.1
G053SE	1168350.7	682484.4
G054	1168360.5	682494.1
G055	1168337.7	681473.3
G056	1168329.4	681494.1
G056S	1168303.7	681558.0
G057	1168284.9	681594.1
G065E	1168330.9	682468.1
G065SE	1168250.7	682424.2
G066	1168250.7	681635.7
G067	1168200.7	681694.1
G067S	1168163.6	681741.6
G067SE	1168150.7	681763.3
G073SE	1168150.7	682353.7
G074	1168207.5	682394.1
G076	1168132.2	681794.1
G077	1168073.7	681894.1
G077S	1168086.6	681920.4
G077SSE	1168142.1	681981.6
G077SSW	1168076.8	681908.0
G078	1168146.1	681994.1
G078S	1168148.0	682020.4
G078SSE	1168144.3	682037.0
G078SSW	1168148.4	682005.3
G079	1168117.6	682094.1
G080	1168068.0	682194.1
G080S	1168050.7	682250.7
G080SSE	1168062.5	682280.6
G080SSW	1168055.0	682221.1
G081	1168072.8	682294.1

GOLF - EXTERIOR POINTS

POINT TABLE

DESCRIPTION	NORTHING	EASTING
G004	1169150.7	682194.1
G005	1169150.7	682294.1
G008	1169050.7	682294.1
G009	1169050.7	682394.1
G010	1169050.7	682494.1
G013	1168950.7	682394.1
G014	1168950.7	682494.1
G015	1168950.7	682594.1
G018	1168850.7	682494.1
G019	1168850.7	682594.1
G020	1168850.7	682694.1
G022	1168750.7	682494.1
G023	1168750.7	682594.1
G024	1168750.7	682694.1
G028	1168650.7	682594.1
G029	1168650.7	682694.1
G031	1168550.7	681494.1
G033	1168550.7	682494.1
G034	1168550.7	682594.1
G037	1168450.7	681494.1
G038	1168450.7	681594.1
G039	1168450.7	681694.1
G041	1168450.7	682494.1
G044	1168350.7	681494.1

POINT TABLE

DESCRIPTION	NORTHING	EASTING
G045	1168350.7	681594.1
G046	1168350.7	681694.1
G047	1168350.7	681794.1
G048	1168350.7	681894.1
G049	1168350.7	681994.1
G050	1168350.7	682094.1
G051	1168350.7	682194.1
G052	1168350.7	682294.1
G053	1168350.7	682394.1
G058	1168250.7	681694.1
G059	1168250.7	681794.1
G060	1168250.7	681894.1
G061	1168250.7	681994.1
G062	1168250.7	682094.1
G063	1168250.7	682194.1
G064	1168250.7	682294.1
G065	1168250.7	682394.1
G068	1168150.7	681794.1
G069	1168150.7	681894.1
G070	1168150.7	681994.1
G071	1168150.7	682094.1
G072	1168150.7	682194.1
G073	1168150.7	682294.1

FOXTROT OFFSET POINTS

POINT TABLE

DESCRIPTION	NORTHING	EASTING
F042 OFFSET	1169975.5	681026.3
F083NW OFFSET	1169703.6	678128.3
F098 OFFSET	1169674.4	681322.0
F209 OFFSET	1169056.0	681425.8

ABBREVIATIONS

ANT ANTENNA; BM BENCHMARK; CO CLEANOUT; CONC CONCRETE; CM CONCRETE MONUMENT; CMP CORRUGATED METAL PIPE; CPP CORRUGATED PLASTIC PIPE; (D) AS DESCRIBED; DI DRAINAGE INLET; DIP DUCTILE IRON PIPE; DH DRILL HOLE; ER ELECTRIC RISER; ELEC ELECTRIC; EM ELECTRIC METER; ET ELECTRIC TRANSFORMER; F FOUND; FF FINISHED FLOOR; FH FIRE HYDRANT; FO FIBER OPTIC; G GAS; GM GAS METER; GV GAS VALVE; INV INVERT; IP IRON PIPE; IR IRON ROD; IRRV IRRIGATION VALVE; JBL JURISDICTIONAL BOUNDARY; L LINE; (M) MEASURED; MB MAILBOX; MH MANHOLE; MW MONITORING WELL; ND NAIL & DISK; NL NAIL; OE OVERHEAD UTILITY LINES; OR OFFICIAL RECORDS; P POST; (P) PER PLAT; PB PLAT BOOK; PG PAGE; PK PK NAIL; RCP REINFORCED CONC PIPE; RR RAILROAD; RW RECLAIMED WATER; S SET; SC SECTION CORNER; SH SPRINKLER HEAD; SPIG WATER SPIGOT; SS SANITARY SEWER; ST STORM SEWER; SV SANITARY SEWER VALVE; TB TELEPHONE RISER; TEL TELEPHONE; TP TRAVERSE POINT; TSC TRAFFIC SIGNAL CONTROL; TSP TRAFFIC SIGNAL POLE; TV CABLE TELEVISION; UE UNDERGROUND UTILITY LINES; W WATER; WH WOODEN HUB; WM WATER METER; WV WATER VALVE; XC X CUT

LEGEND

BM BENCHMARK; ND NAIL & DISK; TP TRAVERSE POINT; F FOUND IRON (TYPE); S SET IRON (TYPE); F FOUND MONUMENT (TYPE); S SET MONUMENT (TYPE); SC SECTION CORNER; CO CLEANOUT; DECIDUOUS TREE; ELECTRIC TRANSFORMER; EVERGREEN TREE; FIRE HYDRANT; FLAG (AS SHOWN); GUY ANCHOR; LIGHT POLE; MB MAIL BOX; PALM TREE; P POST; SATELLITE DISH; SPIGOT; SPRINKLER HEAD; TRAFFIC SIGN; UTILITY MARKER (AS SHOWN); UTILITY MANHOLE (AS SHOWN); UTILITY METER (AS SHOWN); UTILITY RISER (AS SHOWN); UTILITY VALVE (AS SHOWN); UTILITY POLE (AS SHOWN); WELL

MARK	DATE	DESCRIPTION	BY

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Client: FORT McCLELLAN
Proj. Loc.: FT McCLELLAN, AL

SPECIFIC PURPOSE SURVEY
FOXTROT POINTS LIST
GOLF POINTS LIST
SECTION 23 - T 24 S - R 08 E

Project No.:	200-04546-09004
Designed By:	
Drawn By:	CIS
Checked By:	LEJ

V115

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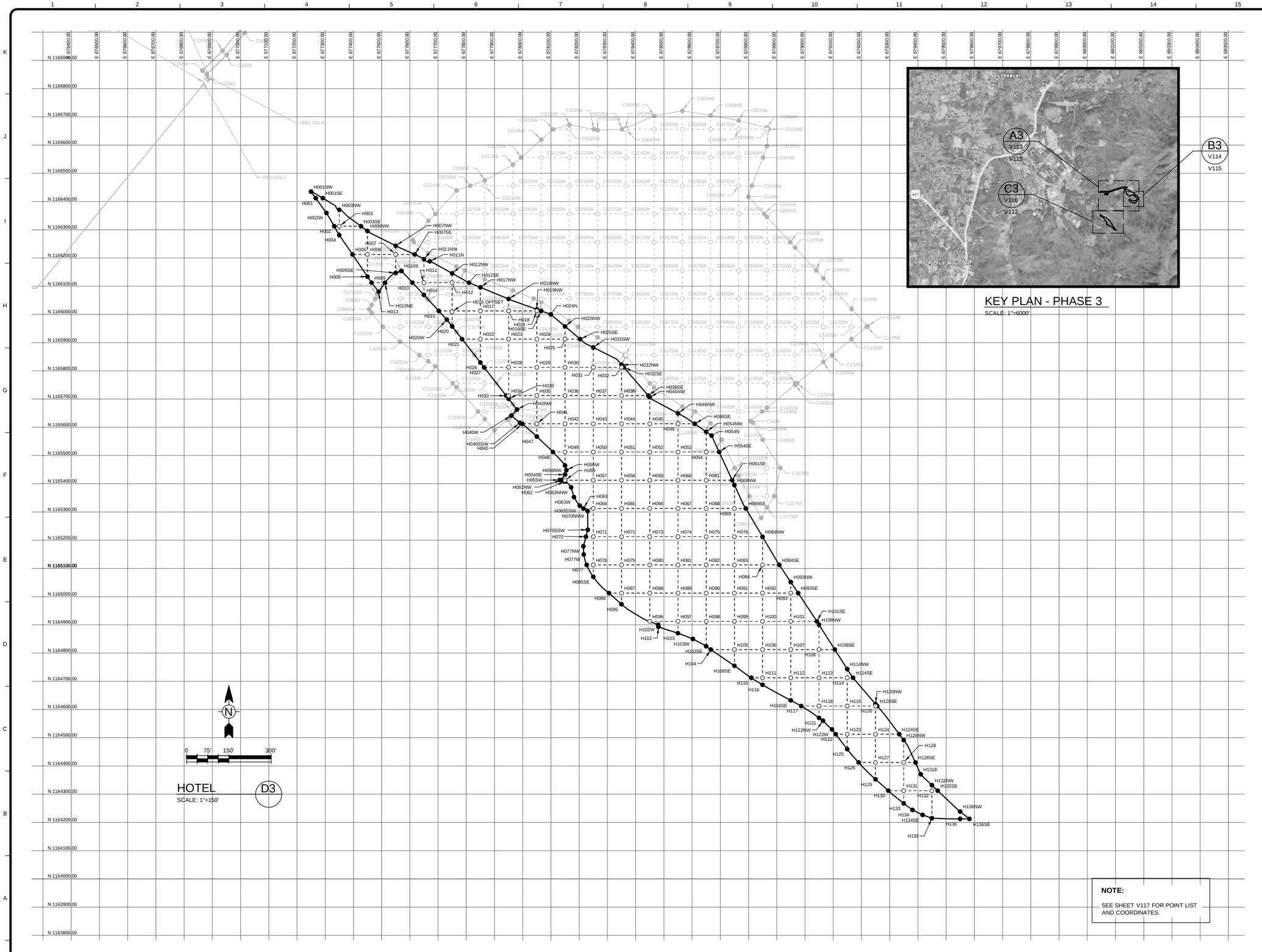
Wednesday, May 05, 2010 2:05:07 PM DRAWING: P:\200-04546-09004 - Ft McClellan\CAD\Survey\Dwg\V-XP SurveyAdd-2 FGH .DWG LAYOUT: V115 USER NAME: SANFORD, CHADWICK



ABBREVIATIONS

EM	ELECTRIC METER	JBL	JURISDICTIONAL BOUNDARY LINE	PG	PAGE
ET	ELECTRIC TRANSFORMER	(M)	MEASURED	PK	PK NAIL
F	FOUND	MB	MAILBOX	RCP	REINFORCED CONC PIPE
FF	FINISHED FLOOR	MH	MANHOLE	RR	RAILROAD
FH	FIRE HYDRANT	MW	MONITORING WELL	RW	RECLAIMED WATER
FO	FIBER OPTIC	ND	NAIL & DISK	S	SOUTH
G	GAS	NL	NAIL	SC	SECTION CORNER
GM	GAS METER	OE	OVERHEAD UTILITY LINES	SH	SPRINKLER HEAD
GV	GAS VALVE	OR	ORIGINAL RECORDS	SPIG	WATER SPIGOT
IV	IRRIGATION	P	POST	ST	STORM SEWER
IP	IRON PIPE	(P)	PER PLAT	SV	SANITARY SEWER VALVE
IR	IRON ROD	PB	PLAT BOOK	TB	TELEPHONE RISER
IRRV	IRRIGATION VALVE				

ANT	ANTENNA			TEL	TELEPHONE
BM	BENCHMARK			TP	TRAVERSE POINT
CO	CLEANOUT			TSC	TRAFFIC SIGNAL CONTROL
CONC	CONCRETE			TSP	TRAFFIC SIGNAL POLE
CMP	CONCRETE MONUMENT			TV	CABLE TELVISION
PCP	CORRUGATED METAL PIPE			UE	UNDERGROUND UTILITY LINES
CPP	CORREGATED PLASTIC PIPE			W	WATER
(D)	AS DESCRIBED			WH	WOODEN HUB
DI	DRAINAGE INLET			WM	WATER METER
DIP	DUCTILE IRON PIPE			WV	WATER VALVE
DH	DRILL HOLE			XC	X CUT
EB	ELECTRIC RISER				
ELEC	ELECTRIC				

LEGEND

BM	BENCHMARK	CO	CLEANOUT		UTILITY MARKER (AS SHOWN)
ND	NAIL & DISK		DECIDUOUS TREE		UTILITY MANHOLE (AS SHOWN)
TP	TRAVERSE POINT		ELECTRIC TRANSFORMER		UTILITY METER (AS SHOWN)
F	FOUND IRON (TYPE)		EVERGREEN TREE		UTILITY RISER (AS SHOWN)
S	SET IRON (TYPE)		FIRE HYDRANT		UTILITY VALVE (AS SHOWN)
F	FOUND MONUMENT (TYPE)		FLAG (AS SHOWN)		UTILITY POLE (AS SHOWN)
S	SET MONUMENT (TYPE)		GUY ANCHOR		WELL
SC	SECTION CORNER		LIGHT POLE		
			MAIL BOX		
			PALM TREE		
			POST		
			SATELITE DISH		
			SPIGOT		
			SPRINKLER HEAD		
			TRAFFIC SIGN		

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MARK	DATE	DESCRIPTION	BY

Client:
Prog. Loc.: Ft McCLELLAN, AL

FORT McCLELLAN
SPECIFIC PURPOSE SURVEY
HOTEL NORTH
SECTION 23 - T 24 S - R 08 E

Project No.: 200-04546-09004
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Checked By: LEJ

V116

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POINT LIST HOTEL (D3)

HOTEL - BOUNDARY POINTS

POINT TABLE

DESCRIPTION	NORTHING	EASTING
H001	1166412.3	677266.3
H001NW	1166435.2	677249.7
H001SE	1166412.3	677291.4
H002	1166312.3	677332.0
H002W	1166359.7	677304.4
H003NW	1166370.6	677349.6
H003SE	1166312.3	677426.9
H004	1166281.1	677349.6
H005	1166212.3	677396.9
H006NW	1166295.6	677449.6
H007NW	1166243.4	677549.6
H007SE	1166212.3	677617.5
H008	1166133.8	677449.6
H009	1166112.3	677464.5
H009SE	1166147.0	677549.6
H010	1166112.3	677609.2
H010S	1166154.1	677570.2
H011N	1166188.2	677670.7
H011NW	1166195.6	677649.6
H012NW	1166145.6	677749.6
H012SE	1166112.4	677809.6
H013	1166080.6	677489.4
H013NE	1166112.3	677511.9
H014	1166068.9	677649.6
H015	1166012.3	677702.4
H017NW	1166095.9	677849.6
H018NW	1166054.7	677949.6
H019NW	1166017.9	678049.6
H019SE	1166012.3	678065.3
H020	1165957.7	677749.6
H020W	1165981.6	677731.0
H021	1165912.3	677785.0
H024N	1166000.1	678099.3
H025NW	1165957.6	678149.6
H025SE	1165912.3	678203.2
H026	1165829.5	677849.6
H027	1165812.3	677863.0
H031NW	1165882.9	678249.6
H032NW	1165821.8	678349.6
H032SE	1165812.3	678357.9

POINT TABLE

DESCRIPTION	NORTHING	EASTING
H033	1165712.3	677941.0
H038SE	1165712.3	678444.6
H039	1165701.2	677949.6
H040	1165612.2	677998.9
H040NW	1165663.0	677979.4
H040SSW	1165615.9	677989.5
H040W	1165641.5	677959.4
H045NW	1165706.5	678449.6
H046NW	1165649.4	678549.6
H046SE	1165612.3	678609.4
H047	1165567.1	678049.6
H048	1165512.3	678107.0
H054N	1165570.7	678668.7
H054NW	1165584.1	678649.6
H054SE	1165432.7	678149.6
H054SE	1165512.3	678695.7
H055W	1165413.4	678131.0
H056NW	1165464.4	678149.6
H056W	1165447.8	678154.4
H061SE	1165412.3	678741.9
H062	1165408.1	678149.6
H062NW	1165412.3	678138.0
H063	1165312.0	678214.7
H063NNW	1165387.1	678171.5
H063SSW	1165322.4	678201.8
H063W	1165352.7	678181.4
H069NW	1165395.5	678749.6
H069SE	1165312.3	678790.2
H070	1165212.3	678223.8
H070NNW	1165303.2	678229.8
H070SSW	1165236.8	678230.4
H077	1165112.3	678226.5
H077NW	1165178.5	678214.7
H077W	1165149.4	678215.8
H084NW	1165211.8	678849.6
H084SE	1165112.3	678909.1
H085SE	1165070.3	678249.6
H086	1165012.3	678305.2
H093NW	1165051.5	678949.6
H093SE	1165012.3	678975.7

POINT TABLE

DESCRIPTION	NORTHING	EASTING
H095	1164972.9	678349.6
H101SE	1164912.3	679042.1
H102	1164893.0	678480.3
H102W	1164900.6	678479.8
H103	1164870.3	678549.6
H103SE	1164823.9	678649.6
H103W	1164849.9	678602.7
H104	1164812.3	678666.5
H108NW	1164900.4	679049.6
H108SE	1164812.3	679105.7
H109SE	1164754.9	678749.6
H110	1164712.3	678810.0
H114NW	1164743.3	679149.6
H114SE	1164712.3	679170.1
H116	1164687.3	678849.6
H116SE	1164632.4	678949.6
H117	1164612.2	678986.7
H120NW	1164619.5	679249.6
H120SE	1164612.3	679255.8
H121	1164570.4	679049.6
H122	1164512.3	679108.8
H122NW	1164560.3	679063.6
H122W	1164529.4	679095.6
H124SE	1164512.3	679333.9
H125	1164459.4	679149.6
H126	1164412.3	679189.9
H128NW	1164491.3	679349.6
H128SE	1164412.3	679391.1
H129	1164352.8	679249.6
H130	1164312.3	679295.1
H131E	1164370.6	679410.0
H132NW	1164331.7	679449.6
H132SE	1164312.3	679470.2
H133	1164267.3	679349.6
H134	1164243.9	679381.1
H134SE	1164226.5	679416.7
H135	1164214.9	679449.6
H136	1164212.4	679549.6
H136NW	1164238.5	679549.6
H136SE	1164212.3	679582.3

HOTEL - INTERIOR POINTS

POINT TABLE

DESCRIPTION	NORTHING	EASTING
H003	1166312.3	677349.6
H006	1166212.3	677449.6
H007	1166212.3	677549.6
H011	1166112.3	677649.6
H012	1166112.3	677749.6
H017	1166012.3	677849.6
H018	1166012.3	677949.6
H019	1166012.3	678049.6
H022	1165912.3	677849.6
H023	1165912.3	677949.6
H024	1165912.3	678049.6
H025	1165912.3	678149.6
H028	1165812.3	677949.6
H029	1165812.3	678049.6
H030	1165812.3	678149.6
H031	1165812.3	678249.6
H032	1165812.3	678349.6
H034	1165712.3	677949.6
H035	1165712.3	678049.6
H036	1165712.3	678149.6
H037	1165712.3	678249.6
H038	1165712.3	678349.6
H041	1165612.3	678049.6
H042	1165612.3	678149.6
H043	1165612.3	678249.6
H044	1165612.3	678349.6
H045	1165612.3	678449.6
H046	1165612.3	678549.6
H049	1165512.3	678149.6
H050	1165512.3	678249.6
H051	1165512.3	678349.6
H052	1165512.3	678449.6
H053	1165512.3	678549.6
H054	1165512.3	678649.6
H056	1165412.3	678149.6
H057	1165412.3	678249.6
H058	1165412.3	678349.6
H059	1165412.3	678449.6
H060	1165412.3	678549.6
H061	1165412.3	678649.6

POINT TABLE

DESCRIPTION	NORTHING	EASTING
H064	1165312.3	678249.6
H065	1165312.3	678349.6
H066	1165312.3	678449.6
H067	1165312.3	678549.6
H068	1165312.3	678649.6
H069	1165312.3	678749.6
H071	1165212.3	678249.6
H072	1165212.3	678349.6
H073	1165212.3	678449.6
H074	1165212.3	678549.6
H075	1165212.3	678649.6
H076	1165212.3	678749.6
H078	1165112.3	678249.6
H079	1165112.3	678349.6
H080	1165112.3	678449.6
H081	1165112.3	678549.6
H082	1165112.3	678649.6
H083	1165112.3	678749.6
H084	1165112.3	678849.6
H087	1165012.3	678349.6
H088	1165012.3	678449.6
H089	1165012.3	678549.6
H090	1165012.3	678649.6
H091	1165012.3	678749.6
H092	1165012.3	678849.6
H093	1165012.3	678949.6
H096	1164912.3	678449.6
H097	1164912.3	678549.6
H098	1164912.3	678649.6
H099	1164912.3	678749.6
H100	1164912.3	678849.6
H101	1164912.3	678949.6
H105	1164812.3	678749.6
H106	1164812.3	678849.6
H107	1164812.3	678949.6
H108	1164812.3	679049.6
H111	1164712.3	678849.6
H112	1164712.3	678949.6
H113	1164712.3	679049.6
H114	1164712.3	679149.6

POINT TABLE

DESCRIPTION	NORTHING	EASTING
H118	1164612.3	679049.6
H119	1164612.3	679149.6
H120	1164612.3	679249.6
H123	1164512.3	679149.6
H124	1164512.3	679249.6
H127	1164412.3	679249.6
H128	1164412.3	679349.6
H131	1164312.3	679349.6
H132	1164312.3	679449.6

HOTEL OFFSET POINTS

POINT TABLE

DESCRIPTION	NORTHING	EASTING
H016 OFFSET	1166009.7	677749.2

LEGEND

BM BENCHMARK
ND NAIL & DISK
TP TRAVERSE POINT
F FOUND IRON (TYPE)
S SET IRON (TYPE)
F FOUND MONUMENT (TYPE)
S SET MONUMENT (TYPE)
SC SECTION CORNER
CO CLEANOUT
DECIDUOUS TREE
ELECTRIC TRANSFORMER
EVERGREEN TREE
FIRE HYDRANT
FLAG (AS SHOWN)
GUY ANCHOR
LIGHT POLE
MB MAIL BOX
PALM TREE
P POST
SATELITE DISH
SPIGOT
SPRINKLER HEAD
TRAFFIC SIGN
UTILITY MARKER (AS SHOWN)
UTILITY MANHOLE (AS SHOWN)
UTILITY METER (AS SHOWN)
UTILITY RISER (AS SHOWN)
UTILITY VALVE (AS SHOWN)
UTILITY POLE (AS SHOWN)
WELL

ABBREVIATIONS

ANT ANTENNA
BM BENCHMARK
CO CLEANOUT
CONC CONCRETE
CM CONCRETE MONUMENT
CMP CORREGATED METAL PIPE
CPP CORREGATED PLASTIC PIPE
(D) AS DESCRIBED
DI DRAINAGE INLET
DIP DUCTILE IRON PIPE
DH DRILL HOLE
EB ELECTRIC RISER
ELEC ELECTRIC
EM ELECTRIC METER
ET ELECTRIC TRANSFORMER
F FOUND
FF FINISHED FLOOR
FH FIRE HYDRANT
FO FIBER OPTIC
G GAS
GM GAS METER
GV GAS VALVE
INV INVERT
IP IRON PIPE
IR IRON ROD
IRRV IRRIGATION VALVE
JBL JURISDICTIONAL BOUNDARY LINE
(M) MEASURED
MB MAILBOX
MH MANHOLE
MW MONITORING WELL
ND NAIL & DISK
NL NAIL
OE OVERHEAD UTILITY LINES
OR OFFICIAL RECORDS
P POST
(P) PER PLAT
PB PLAT BOOK
PG PAGE
PK PK NAIL
RCP REINFORCED CONC PIPE
RR RAILROAD
RW RECLAIMED WATER
S SET
SC SECTION CORNER
SH SPRINKLER HEAD
SPIG WATER SPIGOT
SS SANITARY SEWER
ST STORM SEWER
SV SANITARY SEWER VALVE
TB TELEPHONE RISER
TEL TELEPHONE
TP TRAVERSE POINT
TSC TRAFFIC SIGNAL CONTROL
TSP TRAFFIC SIGNAL POLE
TV CABLE TELVISION
UE UNDERGROUND UTILITY LINES
W WATER
WH WOODEN HUB
WM WATER METER
WV WATER VALVE
XC X CUT

MARK	DATE	DESCRIPTION	BY

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Client:
Proj. Loc.: FT McCLELLAN, AL

FORT McCLELLAN
SPECIFIC PURPOSE SURVEY
HOTEL POINTS LIST
SECTION 23 - T 24 S - R 08 E

Project No.: 200-04546-09004
Designed By:
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V117

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APPENDIX F-2
TIRE HOUSE REMOVAL REPORT

SUMMARY REPORT

Remedial Action in Charlie Area Tire House at Fort McClellan, Alabama

Prepared For:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE

Unrestricted Comprehensive Environmental Contract
Contract Number: W912DY-04-D-0011
Delivery Order 0010

Prepared By:
Tetra Tech EC, Inc.
4960 Corporate Drive, Suite 140
Huntsville, Alabama 35805

September 2009

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List of Appendices

Appendix A Tire House Analytical Report
Appendix B Tire House Manifests For Tire Disposal

1.0 INTRODUCTION

Tetra Tech EC, Inc. prepared this Summary Report for completion of a Remedial Action at the Tire House at Fort McClellan, Alabama for the U.S. Army Engineering and Support Center, Huntsville. This deliverable is submitted in accordance with the payment milestone schedule in Modification 01 of the contract.

1.1 AUTHORIZATION

This project was authorized on October 10, 2008 as Task Order 0010, under Contract, W912DY-04-D-0011, Charlie Area Remedial Action, Fort McClellan, Alabama. The removal of the Tire House has been executed in accordance with the TO, Performance Work Statement, approved Work Plan, technical instructions, and other contract direction.

1.2 PURPOSE AND SCOPE

The purpose of this project is to provide all Munitions Response services necessary to accomplish a Remedial Action at the Tire House site.

The removal scope for this area included removal of a tire house and disposal of all materials related to the structure. Prior to beginning removal of the structure, soil samples were collected from the soil within the tires and analyzed for Total Lead and Toxicity Characteristic Leaching Procedure (TCLP) lead. The samples were submitted to GPL Laboratories in Gaithersburg, Maryland. The TCLP lead results were below the regulatory standard of 5.0 mg/L. The results are outlined in Table 2-1 and the analytical report is contained in Appendix A

Following confirmation that lead levels were below the regulatory limits, TtEC used heavy equipment to collapse the walls of the tire house by pushing the tires towards the center of the facility. UXO Technicians segregated the tires from the soil at the same time they inspected them for MPPEH, prior to placement in roll-off containers. The tires were transported off site to Waste Corporation of Alabama, an ADEM approved vendor for disposal. Since the TCLP lead results were below the regulatory standard of 5.0 mg/L the soil was disposed of on site by spreading it out on the footprint of the tire house. The footprint was then geophysically mapped and any anomalies that met the projects anomaly selection criteria were intrusively investigated and part of the Bains Gap Range MEC removal.

2.0 DOCUMENTATION

2.1 ANALYTICAL DATA

The soil samples were submitted to GPL on May 5, 2009. The samples were prepared and analyzed by GPL as directed on the Chain of Custody. The analytical report of findings is included in Appendix A.

Table 2-1
Tire House Analytical

Sample ID	Parameter	Result	Parameter	Result
SH-001	Lead	59.8 mg/kg	TCLP LEAD	1.87 mg/L
SH-002	Lead	12.2 mg/kg	TCLP LEAD	Below Quantitation Limit
SH-003	Lead	740 mg/kg	TCLP LEAD	4.65 mg/L

2.2 DISPOSAL DATA

Tires were collected and disposed of by Waste Corporation of Alabama. A copy of the manifests for each load of tires is included in Appendix B.

3.0 SUMMARY

The removal action at the Tire House was performed in accordance with accepted industry practices, the Task Order, Performance Work Statement, approved Work Plan, technical instructions, the approved Explosive Safety Submission (ESS), and other contract direction. A total of 173.21 tons or approximately 18,700 tires were sent to the WCA Fines Landfill located in Alpine, AL. The following tables present summaries of the completed work.

Table 3-1
Tire House

Task	Date Completed	Notes
Soil Sampling	05/07/09	Results below regulatory guidelines
Soil Disposal	N/A	Soil backfilled on site
Tire Disposal	07/23/09	Disposed of at WCA Fines Landfill, Fines Landfill an ADEM approved facility

Table 3-2
Tire Disposal Manifest Summary

Date	Tonnage Per Roll off	Disposal Site
7/8/09	8.04	WCA Fines Landfill
7/8/09	8.14	WCA Fines Landfill
7/8/09	4.75	WCA Fines Landfill
7/8/09	8.52	WCA Fines Landfill
7/8/09	9.44	WCA Fines Landfill
7/9/09	6.58	WCA Fines Landfill
7/9/09	4.87	WCA Fines Landfill
7/14/09	6.5	WCA Fines Landfill
7/14/09	6.84	WCA Fines Landfill
7/15/09	6.52	WCA Fines Landfill
7/15/09	5.87	WCA Fines Landfill
7/15/09	10.46	WCA Fines Landfill
7/15/09	9.6	WCA Fines Landfill
7/16/09	7.61	WCA Fines Landfill
7/16/09	6.27	WCA Fines Landfill
7/16/09	6.46	WCA Fines Landfill
7/16/09	6.72	WCA Fines Landfill
7/16/09	6.05	WCA Fines Landfill
7/16/09	7.31	WCA Fines Landfill
7/21/09	7.6	WCA Fines Landfill
7/21/09	8.16	WCA Fines Landfill
7/21/09	8.59	WCA Fines Landfill
7/21/09	7.41	WCA Fines Landfill
7/23/09	4.9	WCA Fines Landfill

APPENDIX A

TIRE HOUSE ANALTICAL REPORT

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Analytical Report For 905075

for

Tetra Tech ECI

Project Manager: Don Welch

Project Name: Ft. McClellan

GPL

Laboratories

GPL Laboratories, LLLP certifies that the test results meet all requirements of the NELAC Standards unless otherwise noted.

Reviewed By,
Project Manager

Approved By,
Laboratory Director

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Sample Analysis Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Three soil samples were received on 05/09/2009. The samples were delivered by Federal Express. Sample receipt conditions and temperatures are documented on the Sample Receipt checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Sample Analysis Summary Report. In some chromatographic analyses, manual integration is used instead of automated integration because it produces more accurate results. All manual integrations are denoted on the sample quantitation report. Analysis results and limits for soil are reported on a dry weight basis unless otherwise specified on the report.

Metals

Three soil samples were analyzed for lead and TCLP lead by EPA SW846 methods.

The total lead and TCLP lead were reported on separate forms.

The matrix spike, matrix spike duplicate, and serial dilutions were performed on sample SH-001 for lead. They were within the control limits.

The matrix spike, matrix spike duplicate, and serial dilutions were performed on sample SH-001 for TCLP lead. They were within the control limits.

Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

All GPL QA/QC criteria were met with the exceptions of those mentioned above.

Reviewed By,
Project Manager

Approved By,
Laboratory Director

GPL Laboratories, LLLP

Sample Summary Report

Tetra Tech ECI

Work Order: 905075

Client Sample ID	Lab Sample ID	Analytical Method	Matrix	Date Sampled	Date Recieved
SH-001	905075-001-001-1/1	SW6010B	SOIL	05/07/2009	05/09/2009
	905075-001-001-1/1	SW6010B_TCLP			
	905075-001-001-1/1	CLP_SOLIDS			
SH-002	905075-002-002-1/1	SW6010B	SOIL	05/07/2009	05/09/2009
	905075-002-002-1/1	SW6010B_TCLP			
	905075-002-002-1/1	CLP_SOLIDS			
SH-003	905075-003-003-1/1	SW6010B	SOIL	05/07/2009	05/09/2009
	905075-003-003-1/1	SW6010B_TCLP			
	905075-003-003-1/1	CLP_SOLIDS			

Analytical Summary Report

Client Name:	Tetra Tech ECI	Sample Matrix:	SOIL
Client Sample ID:	SH-001	Lab Sample ID:	905075-001-001-1/1
Sample Date/Time:	05/07/2009 10:30	Percent Moisture:	.22
Receipt Date/Time:	05/09/2009 11:20	Preparation Method:	SW3050B
Prepared Date/Time:	05/12/2009 10:00	Analytical Method:	SW6010B

#	Parameter	CAS	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Lead**	**7439-92-1**	**59.8**		**0.74**	**1**	**mg/kg**	**05/12/09**	**20:05**

Analytical Summary Report

Client Name:	Tetra Tech ECI	Sample Matrix:	SOIL
Client Sample ID:	SH-001	Lab Sample ID:	905075-001-001-1/1
Sample Date/Time:	05/07/2009 10:30	Percent Moisture:	.22
Receipt Date/Time:	05/09/2009 11:20	Preparation Method:	SW3010A
Prepared Date/Time:	05/13/2009 10:00	Analytical Method:	SW6010B_TCLP

#	Parameter	CAS	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Lead**	**7439-92-1**	**1870**		**100**	**1**	**ug/L**	**05/13/09**	**13:19**

Analytical Summary Report

Client Name:	Tetra Tech ECI	Sample Matrix:	SOIL
Client Sample ID:	SH-001	Lab Sample ID:	905075-001-001-1/1
Sample Date/Time:	05/07/2009 10:30	Percent Moisture:	.22
Receipt Date/Time:	05/09/2009 11:20	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	CAS	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Percent Solids**	**10-02-6**	**100**		**1.0**	**1**	**%**	**05/13/09**	**15:11**

Analytical Summary Report

Client Name:	Tetra Tech ECI	Sample Matrix:	SOIL
Client Sample ID:	SH-002	Lab Sample ID:	905075-002-002-1/1
Sample Date/Time:	05/07/2009 10:40	Percent Moisture:	.41
Receipt Date/Time:	05/09/2009 11:20	Preparation Method:	SW3050B
Prepared Date/Time:	05/12/2009 10:00	Analytical Method:	SW6010B

#	Parameter	CAS	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Lead**	**7439-92-1**	**12.2**		**0.69**	**1**	**mg/kg**	**05/12/09**	**20:29**

Analytical Summary Report

Client Name:	Tetra Tech ECI	Sample Matrix:	SOIL
Client Sample ID:	SH-002	Lab Sample ID:	905075-002-002-1/1
Sample Date/Time:	05/07/2009 10:40	Percent Moisture:	.41
Receipt Date/Time:	05/09/2009 11:20	Preparation Method:	SW3010A
Prepared Date/Time:	05/13/2009 10:00	Analytical Method:	SW6010B_TCLP

#	Parameter	CAS	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Lead	7439-92-1	BQL	U	100	1	ug/L	05/13/09	13:32

Analytical Summary Report

Client Name:	Tetra Tech ECI	Sample Matrix:	SOIL
Client Sample ID:	SH-002	Lab Sample ID:	905075-002-002-1/1
Sample Date/Time:	05/07/2009 10:40	Percent Moisture:	.41
Receipt Date/Time:	05/09/2009 11:20	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	CAS	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Percent Solids**	**10-02-6**	**100**		**1.0**	**1**	**%**	**05/13/09**	**15:11**

Analytical Summary Report

Client Name:	Tetra Tech ECI	Sample Matrix:	SOIL
Client Sample ID:	SH-003	Lab Sample ID:	905075-003-003-1/1
Sample Date/Time:	05/07/2009 10:50	Percent Moisture:	.47
Receipt Date/Time:	05/09/2009 11:20	Preparation Method:	SW3050B
Prepared Date/Time:	05/12/2009 10:00	Analytical Method:	SW6010B

#	Parameter	CAS	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Lead**	**7439-92-1**	**740**		**0.71**	**1**	**mg/kg**	**05/12/09**	**20:32**

Analytical Summary Report

Client Name:	Tetra Tech ECI	Sample Matrix:	SOIL
Client Sample ID:	SH-003	Lab Sample ID:	905075-003-003-1/1
Sample Date/Time:	05/07/2009 10:50	Percent Moisture:	.47
Receipt Date/Time:	05/09/2009 11:20	Preparation Method:	SW3010A
Prepared Date/Time:	05/13/2009 10:00	Analytical Method:	SW6010B_TCLP

#	Parameter	CAS	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Lead**	**7439-92-1**	**4650**		**100**	**1**	**ug/L**	**05/13/09**	**13:35**

Analytical Summary Report

Client Name:	Tetra Tech ECI	Sample Matrix:	SOIL
Client Sample ID:	SH-003	Lab Sample ID:	905075-003-003-1/1
Sample Date/Time:	05/07/2009 10:50	Percent Moisture:	.47
Receipt Date/Time:	05/09/2009 11:20	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	CAS	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Percent Solids**	**10-02-6**	**100**		**1.0**	**1**	**%**	**05/13/09**	**15:11**

Qualifier Definitions

Tetra Tech ECI

Work Order: 905075

All Departments

U	Indicates that the compound was analyzed for but not detected
BQL	Below Quantitation Limit

Organics

B	Indicates that the analyte was found in the associated blank as well as in the sample
D	Indicates that the analyte was reported from a diluted analysis
E	Indicates that the concentration detected exceeded the calibration range of the instrument
J	Value is less than the reporting limit but greater than the MDL
P	Indicates that there is greater than 25% difference for detected pesticide/Arochlor results between the two GC columns

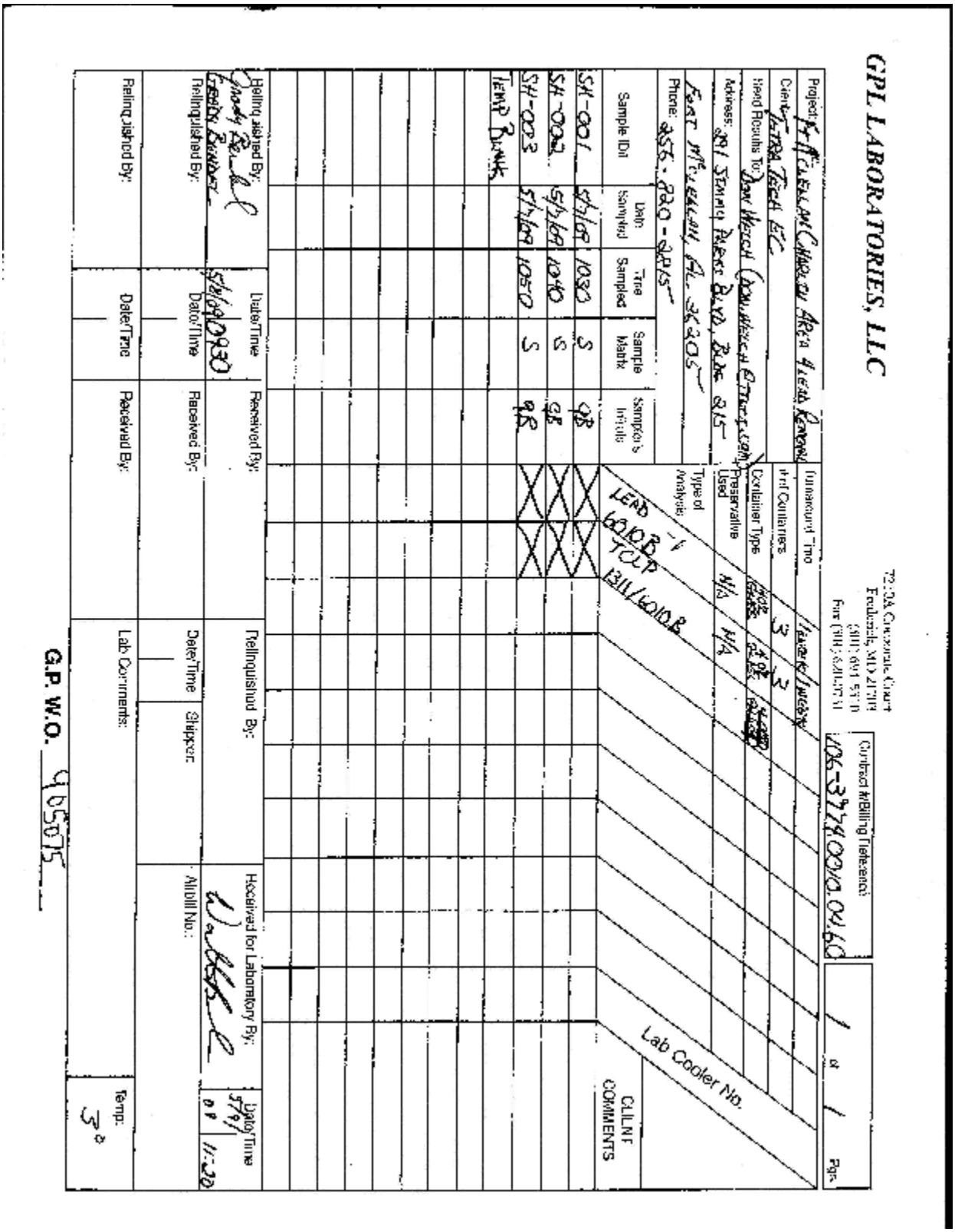
Metals

J	Indicates that the reported value was less than the reporting limit but greater than or equal to the IDL/MDL
E	Indicates that the reported value is estimated because of the possible presence of interference (i.e. the serial dilution not within control limits)
H	Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit
D	Indicates that the analyte was reported from a diluted analysis
N	Spiked sample recovery not within control limits
*	Duplicate analysis not within control limits

Chain of Custody

Tetra Tech ECI

SDG: 905075



GPL LABORATORIES, LLC

7210A Corporate Court
Frederick, MD 21703
(301) 694-5310
Fax (301) 620-0731

Contract #/Billing Reference: 106-37740-03/0.04.60

Project: Fort McClellan Chemical Area Lead Removal
Client: Tetra Tech EC
Send Results To: Jay Wesch (jay.wesch@tetratech.com)
Address: 901 Sesame Place Blvd, Ste 315
Fort McClellan, AL 36205
Phone: 855-830-8815

Turnaround Time: Rush
# of Containers: 3 3
Container Type: 4oz 4oz
Preservative Used: N/A N/A
Type of Analysis: LEAD 6010B TCLP 1311/6010B

Sample ID#	Date Sampled	Time Sampled	Sample Matrix	Sampler's Initials	CLIENT COMMENTS
SH-001	5/14/09	1030	S	JB	
SH-002	5/14/09	1040	S	JB	
SH-003	5/14/09	1050	S	JB	
TEMP BLANK					

Lab Cooler No.

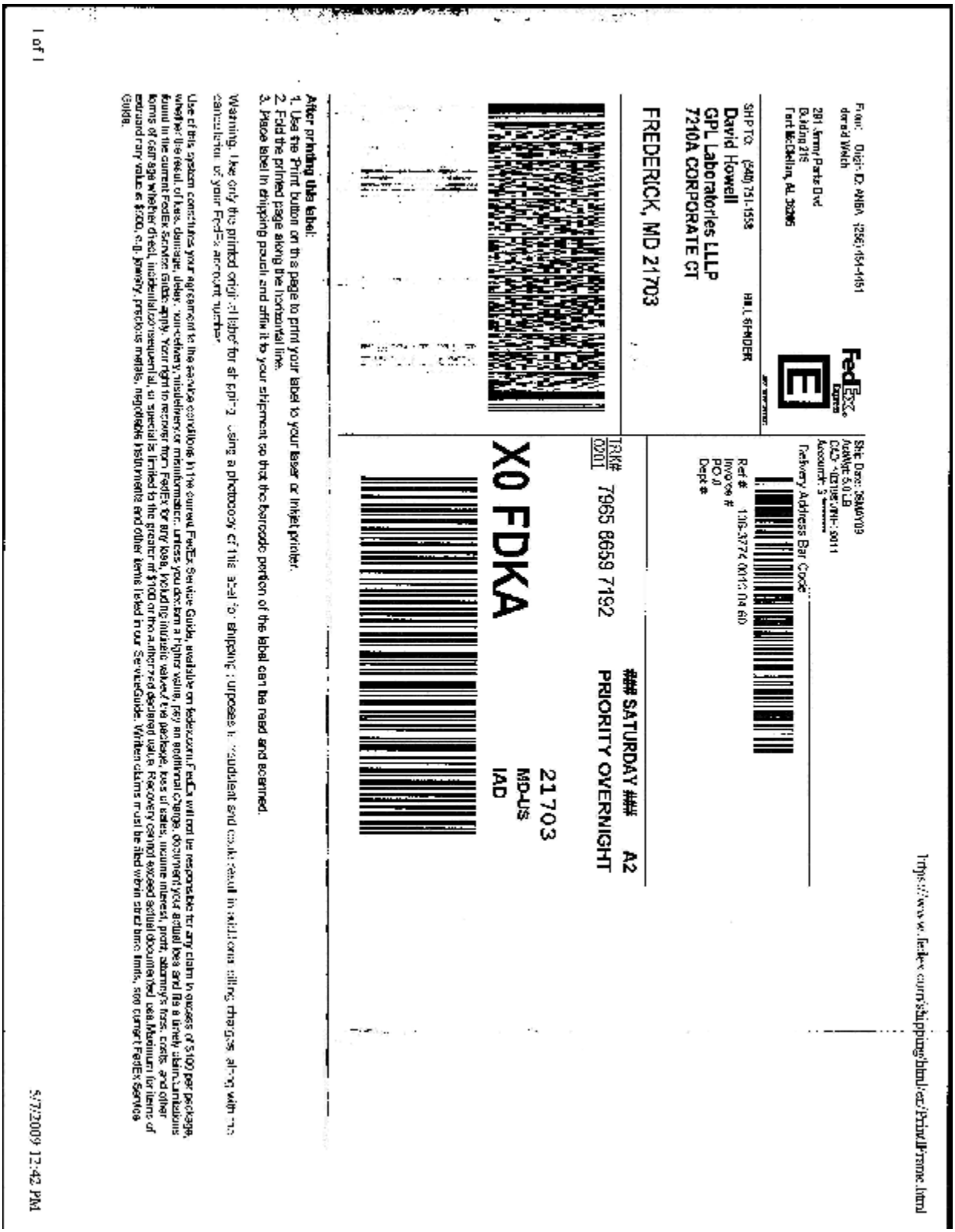
Relinquished By: Jay Wesch — Date/Time: 5/14/09 1030
Received By:
Relinquished By:
Received By:
Relinquished By:
Received By:
Relinquished By:
Received for Laboratory By: — Date/Time: 5/14/09 11:30
Date/Time:
Shipper:
AirBill No.:
Lab Comments:
Temp: 3°

G.P. W.O. 905075

Chain of Custody

Tetra Tech ECI

SDG: 905075



From: Digit. ID: ANBA (256) 454-4151
donald Welch

281 Army Parks Blvd
Building 215
Fort McClellan, AL 36205

Ship Date: 08MAY09
AcctWgt: 5.0 LB
CAD: 4031185/INET3011
Account: 3 ******
Delivery Address Bar Code

SHIP TO: (540) 751-1558 BILL SENDER
David Howell
GPL Laboratories LLLP
7210A CORPORATE CT
FREDERICK, MD 21703

Ref # 116-3772 0013; 04 6D
Invoice #
PO #
Dept #

TRK# 7965 8659 7192
0201

SATURDAY ### A2
PRIORITY OVERNIGHT

X0 FDKA

21703
MD-US
IAD

After printing this label:
1. Use the Print button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether due to loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

https://www.fedex.com/shipping/html/en/PrintIFrame.html

1 of 1

5/7/2009 12:42 PM

GPL Laboratories, LLLP

SAMPLE RECEIPT CHECKLIST

W.O. No: 905075
Client Name: Tetra Tech
Date Received: 5-9-09
Time Received: 11:20
Received By: Walt

Carrier Name: Fed ex
Prepared (Logged In) By: PM / 5-11-09
Project:
Site:
VOA Holding Blank ID No:

	YES	NO
Airbill/Manifest Present? No: 7965 8659 7192	✓	
Shipping Container in Good Condition?	✓	
Custody Seals Present on Shipping Container?	✓	
Condition: Good ✓ Broken		
Chain of Custody Present?	✓	
Chain of Custody Agrees with Sample Labels?	✓	
Chain of Custody Signed?	✓	
Packing Present in Shipping Container?	✓	
Type of Packing bubble wrap		
Custody Seals on Sample Bottles?	✓	
Condition: Good ✓ Broken		
Total Number of Sample Bottles 3	✓	
Total Number of Samples 3	✓	
Samples Intact?	✓	
Sufficient Sample Volume for Indicated Test?	✓	

	YES	NO
Trip Blanks Received?		✓
No. of Sets		
VOA Vials Have Zero Headspace?		✓
Preservatives Added to Sample?		✓
pH Check Required?		✓
Performed By:		
Ice Present in Shipping Container?	✓	

Container #	Temperature
1	3°
	PM

Project Manager Contacted?
Name: Pat
Date Contacted: 5-11-09

Any NO response must be detailed in the comments section below. If items are not applicable to particular samples or contracts, they should be marked N/A.

COMMENTS:

Checklist Completed By: Pat
Date: 5-11-09

APPENDIX B
MANIFESTS FOR TIRE DISPOSAL

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
SCRAP TIRE MANIFEST

Complete this form following instructions on the reverse side.

Certification: By my signature below I Certify under penalty of law that the information contained on this form is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine for willful violations.

PART 1 -- (check one) Receiver: ✓ Transporter 1: ____ Transporter 2: ____ Processor: ____ SWDF: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: TTECT
Address: 591 Jimmy Parks Blvd
City: Anniston State: AL Zip: ____
Registration No. ____

Printed Name: Wayne Madson Signature: [signature] Date: 7/23/09

PART 2 -- (check one) Transporter 1: ✓ Transporter 2: ____ Processor: ____ SWDF: ____ Receiver: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: WCA
Address: 13737 Plant Rd.
City: Alpine State: AL Zip: 35014
Registration No. 61-16 / S0000001887

Printed Name: James Torbert Signature: James Torbert Date: 7/23/09

PART 3 -- (check one) Processor: ____ SWDF: ✓ Receiver: ____ Transporter: ____

Specify Quantities by Count or Tons
Whole Tires: ____
Tons of Tire Materials: 4.90

Company Name: WCA Fines Landfill
Address: ~~1130 County Line Road~~ 13737 Plant Rd.
City: ~~Trafford~~ Alpine State: AL Zip: ~~35172~~ 35014
Registration No. ~~05-08~~ 61-16/S0000001887

Printed Name: Terry Vick Signature: [signature] Date: 7-23-09

ADEM Form 536 1/06 m1

page ____ of ____

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
SCRAP TIRE MANIFEST

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PART 1 -- (check one) Receiver: ✓ Transporter 1: ____ Transporter 2: ____ Processor: ____ SWDF: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: MECI
Address: 291 JIMMY PARKS BLVD
City: ANNISTON State: AL Zip: 36205
Registration No.:
Printed Name: GRADY BENTLEY Signature: Grady Bentley Date: 7/21/09

PART 2 -- (check one) Transporter 1: ✓ Transporter 2: ____ Processor: ____ SWDF: ____ Receiver: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: WCA Fines Landfill
Address: 13737 PLANT ROAD
City: ALPINE State: AL Zip: 35014
Registration No.: 61-16/S0000001887
Printed Name: JOHNNY BATCHELOR Signature: Johnny Batchelor Date: 7-21-09

PART 3 -- (check one) Processor: ____ SWDF: ✓ Receiver: ____ Transporter: ____

Specify Quantities by Count or Tons
Whole Tires:
Tons of Tire Materials: 7.60

Company Name: WCA Fines Landfill
Address: ~~1130 County Line Road~~ 13737 Plant Rd.
City: ~~Trafford~~ Alpine State: AL Zip: ~~35172~~ 35014
Registration No.: ~~05-08~~ 61-16/S0000001887
Printed Name: Terry Vick Signature: Terry Vick Date: 7-21-09

ADEM Form 536 1/06 m1

page ____ of ____

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
SCRAP TIRE MANIFEST

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PART 1 -- (check one) Receiver: ✓ Transporter 1: ____ Transporter 2: ____ Processor: ____ SWDF: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: TECT
Address: 291 JIMMY PARKS BLVD
City: ANNISTON State: AL Zip: 36205
Registration No. ____

Printed Name: GRADY BENDER Signature: Grady Bender Date: 7/21/09

PART 2 -- (check one) Transporter 1: ✓ Transporter 2: ____ Processor: ____ SWDF: ____ Receiver: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: WCA
Address: 13737 Alpine Plant Rd.
City: Alpine State: AL Zip: 35014
Registration No. 61-16/S0000001887

Printed Name: James Torbert Signature: James Torbert Date: 7/21/09

PART 3 -- (check one) Processor: ____ SWDF: ✓ Receiver: ____ Transporter: ____

Specify Quantities by Count or Tons
Whole Tires: ____
Tons of Tire Materials: 8.16

Company Name: WCA Fines Landfill
Address: ~~1130 County Line Road~~ 13737 Plant Rd.
City: ~~Trafford~~ Alpine State: AL Zip: ~~35172~~ 35014
Registration No. ~~05-08~~ 61-16/S0000001887

Printed Name: Terry Vick Signature: Terry Vick Date: 7-21-09

ADEM Form 536 1/06 m1

page ____ of ____

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
SCRAP TIRE MANIFEST

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PART 1 -- (check one) Receiver: ✓ Transporter 1: ____ Transporter 2: ____ Processor: ____ SWDF: ____

Company Name: TTEC I

Address: 291 Jimmy Parks Blvd

City: Anniston State: AL Zip: ____

Registration No. ____

Specify Quantities by Count or Tons

Whole Tires: 500

Tons of Tire Materials: 8

Printed Name: Wayne Madsen Signature: [illegible] Date: 7/21/09

PART 2 -- (check one) Transporter 1: ✓ Transporter 2: ____ Processor: ____ SWDF: ____ Receiver: ____

Company Name: WCA Fines Landfill

Address: 13737 PLANT RD

City: ALPINE State: AL Zip: 35014

Registration No. 61-16 / S00000001887

Specify Quantities by Count or Tons

Whole Tires: 500

Tons of Tire Materials: 8

Printed Name: JOHNNY BATCHELOR Signature: Johnny Batchelor Date: 7-21-09

PART 3 -- (check one) Processor: ____ SWDF: ✓ Receiver: ____ Transporter: ____

Company Name: WCA Fines Landfill

Address: ~~1130 County Line Road~~ 13737 Plant Rd.

City: ~~Trafford~~ Alpine State: AL Zip: ~~35172~~ 35014

Registration No. ~~05-08~~ 61-16 / S00000001887

Specify Quantities by Count or Tons

Whole Tires: ____

Tons of Tire Materials: 7.41

Printed Name: Terry Vick Signature: [illegible] Date: 7-21-09

ADEM Form 536 1/06 m1

page ____ of ____

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
SCRAP TIRE MANIFEST

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PART 1 -- (check one) Receiver: ✓ Transporter 1: ____ Transporter 2: ____ Processor ____ SWDF: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: TTCI
Address: 291 Jimmy Parks BLVD
City: Anniston State: AL Zip: ____
Registration No. ____

Printed Name: Wade Madsen Signature: [signature] Date: 7/21/09

PART 2 -- (check one) Transporter 1: ✓ Transporter 2: ____ Processor: ____ SWDF: ____ Receiver: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: WCA
Address: 13737 Plant Rd
City: Alpine State: AL Zip: 35014
Registration No. 61-16/S0000001887

Printed Name: James Tolbert Signature: [signature] Date 7/21/09

PART 3 -- (check one) Processor: ____ SWDF: ✓ Receiver: ____ Transporter: ____

Specify Quantities by Count or Tons
Whole Tires: ____
Tons of Tire Materials: 8.59

Company Name: WCA Fines Landfill
Address: ~~1130 County Line Road~~ 13737 Plant Rd.
City: ~~Trafford~~ Alpine State: AL Zip: ~~35172~~ 35014
Registration No. ~~05-08~~ 61-16/S0000001887

Printed Name: Terry Vick Signature: [signature] Date: 7-21-09

ADEM Form 536 1/06 m1

page ____ of ____

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
SCRAP TIRE MANIFEST

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PART 1 – (check one) Receiver: ✓ Transporter 1: ____ Transporter 2: ____ Processor: ____ SWDF: ____

Specify Quantities by Count or Tons	
Whole Tires	500
Tons of Tire Materials	8

Company Name: TTEEI
Address: 921 Jimmy Parks BLVD
City: Anniston ST: AL ZIP:
Registration No.
Printed Name: Wayne Marsden Signature: [illegible] Date: 7/16/09

PART 2 – (check one) Transporter 1: ✓ Transporter 2: ____ Processor: ____ SWDF: ____ Receiver: ____

Specify Quantities by Count or Tons	
Whole Tires	500
Tons of Tire Materials	8

Company Name: WCA
Address: 13737 PLANT ROAD
City: ALPINE ST: AL ZIP: 35014.
Registration No. 61-16 / S00000001887
Printed Name: JOHNNY BATCHELOR Signature: Johnny Batchelor Date: 7-16-09

PART 3 – (check one) Processor: ____ SWDF: ✓ Receiver: ____ Transporter: ____

Specify Quantities by Count or Tons	
Whole Tires	
Tons of Tire Materials	7.31

Company Name: WCA Fines Landfill
Address: 13737 Plant Rd.
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S00000001887
Printed Name: Terry Vick Signature: [illegible] Date: 7-16-09

ADEM Form 536 1/06 m1

page __ of __

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
SCRAP TIRE MANIFEST

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PART 1 – (check one) Receiver: ✓ Transporter 1: ____ Transporter 2: ____ Processor: ____ SWDF: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: TTEC
Address: 391 Jimmy Parks Blvd
City: Anniston ST: AL ZIP: ____
Registration No. ____

Printed Name: Wayne Madson Signature: [signature] Date: 7/16/09

PART 2 – (check one) Transporter 1: ✓ Transporter 2: ____ Processor: ____ SWDF: ____ Receiver: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: WCA
Address: 13737 Plant Rd
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S000000 1887

Printed Name: James Torbert Signature: [signature] Date: 7/16/09

PART 3 – (check one) Processor: ____ SWDF: ✓ Receiver: ____ Transporter: ____

Specify Quantities by Count or Tons
Whole Tires: ____
Tons of Tire Materials: 7.61

Company Name: WCA Fines Landfill
Address: 13737 Plant Rd.
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S000000 1887

Printed Name: Tony Kil Signature: [signature] Date: 7-16-09

ADEM Form 536 1/06 m1

page __ of __

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
SCRAP TIRE MANIFEST

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PART 1 – (check one) Receiver: ✓ Transporter 1: ____ Transporter 2: ____ Processor: ____ SWDF: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: TTEI
Address: 391 Jimmy Dykes Blvd
City: Anniston ST: AL ZIP: 36205
Registration No. ____

Printed Name: Wayne Nelson Signature: [illegible] Date: 7/16/09

PART 2 – (check one) Transporter 1: ✓ Transporter 2: ____ Processor: ____ SWDF: ____ Receiver: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: WCA
Address: 13737 PLANT ROAD
City: ALPINE ST: AL ZIP: 35014.
Registration No. 61-16 / S0000001887

Printed Name: JOHNNY BATCHELOR Signature: Johnny Batchelor Date: 7-16-09

PART 3 – (check one) Processor: ____ SWDF: ✓ Receiver: ____ Transporter: ____

Specify Quantities by Count or Tons
Whole Tires: ____
Tons of Tire Materials: 6.27

Company Name: WCA Fines Landfill
Address: 13737 Plant Rd.
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S0000001887

Printed Name: Terry Vick Signature: [illegible] Date: 7-16-09

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
SCRAP TIRE MANIFEST

Complete this form following instructions on the reverse side.

Certification: By my signature below I Certify under penalty of law that the information contained on this form is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine for willful violations.

PART 1 – (check one) Receiver: ✓ Transporter 1: ____ Transporter 2: ____ Processor: ____ SWDF: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: TTECI
Address: 291 JEMMY PARKS BLVD
City: ANNISTON ST: AL ZIP: 36205
Registration No. ____

Printed Name: GRADY BENDLEY Signature: Grady Bendley Date: 7/16/09

PART 2 – (check one) Transporter 1: ✓ Transporter 2: ____ Processor: ____ SWDF: ____ Receiver: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: WCA
Address: 13737 PLANT ROAD
City: ALPINE ST: AL ZIP: 35014,
Registration No. 61-16 / S0000001887

Printed Name: JOHNNY BATCHELOR Signature: Johnny Batchelor Date: 7-16-09

PART 3 – (check one) Processor: ____ SWDF: ✓ Receiver: ____ Transporter: ____

Specify Quantities by Count or Tons
Whole Tires: ____
Tons of Tire Materials: 6.46

Company Name: WCA Fines Landfill
Address: 13737 Plant Rd.
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S0000001887

Printed Name: Terry Vick Signature: [illegible] Date: 7-16-09

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
SCRAP TIRE MANIFEST

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PART 1 – (check one) Receiver: ✓ Transporter 1: _____ Transporter 2: _____ Processor: _____ SWDF: _____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: TTECI
Address: 291 JIMMY PARKS BLVD
City: ANNISTON ST: AL ZIP: 36205
Registration No. _____

Printed Name: GRADY BUNDUK Signature: Grady Bunduk Date: 7/16/09

PART 2 – (check one) Transporter 1: ✓ Transporter 2: _____ Processor: _____ SWDF: _____ Receiver: _____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: WCA
Address: 13737 Plant R
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S0000001887

Printed Name: JAMES TOLBERT Signature: James Tolbert Date: 7/16/09

PART 3 – (check one) Processor: _____ SWDF: ✓ Receiver: _____ Transporter: _____

Specify Quantities by Count or Tons
Whole Tires: _____
Tons of Tire Materials: 6.72

Company Name: WCA Fines Landfill
Address: 13737 Plant Rd.
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S0000001887

Printed Name: Terry Vick Signature: [illegible] Date: 7-16-09

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PART 1 – (check one) Receiver: ✓ Transporter 1: ____ Transporter 2: ____ Processor: ____ SWDF: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: TECI
Address: 291 Jimmy Parks BLVD
City: Anniston ST: AL ZIP: 36205
Registration No. ____

Printed Name: Wayne Madson Signature: WAC Date: 7/16/09

PART 2 – (check one) Transporter 1: ✓ Transporter 2: ____ Processor: ____ SWDF: ____ Receiver: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: WCA
Address: 13737 Plant Rd
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S0000001887

Printed Name: James Torbert Signature: James Torbert Date: 7/16/09

PART 3 – (check one) Processor: ____ SWDF: ✓ Receiver: ____ Transporter: ____

Specify Quantities by Count or Tons
Whole Tires: ____
Tons of Tire Materials: 6.05

Company Name: WCA Fines Landfill
Address: 13737 Plant Rd.
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S0000001887

Printed Name: Terry Vick Signature: TV Date: 7-16-09

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SCRAP TIRE MANIFEST

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PART 1 – (check one) Receiver: ✓ Transporter 1: ____ Transporter 2: ____ Processor: ____ SWDF: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: MCCI
Address: 291 Tommy Parks Blvd
City: Anniston ST: AL ZIP: 36205
Registration No.
Printed Name: Grady Bender Signature: Grady Bender Date: 7/15/09

PART 2 – (check one) Transporter 1: ✓ Transporter 2: ____ Processor: ____ SWDF: ____ Receiver: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: WCA
Address: 13737 Plant Rd
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S00900001887
Printed Name: James Torbert Signature: James Torbert Date: 7/15/09

PART 3 – (check one) Processor: ____ SWDF: ✓ Receiver: ____ Transporter: ____

Specify Quantities by Count or Tons
Whole Tires:
Tons of Tire Materials: 6.52

Company Name: WCA Fines Landfill
Address: 13737 Plant Rd.
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S00900001887
Printed Name: Terry Vick Signature: [illegible] Date: 7-15-09

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SCRAP TIRE MANIFEST

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PART 1 – (check one) Receiver: ✓ Transporter 1: ____ Transporter 2: ____ Processor: ____ SWDF: ____

Specify Quantities by Count or Tons	
Whole Tires	
Tons of Tire Materials	

Company Name: TTUCI
Address: 251 JIMMY PARKS BLVD
City: ANNISTON ST: AL ZIP: 36205
Registration No.
Printed Name: GRADY BENDER Signature: Grady Bender Date: 7/15/09

PART 2 – (check one) Transporter 1: ✓ Transporter 2: ____ Processor: ____ SWDF: ____ Receiver: ____

Specify Quantities by Count or Tons	
Whole Tires	500
Tons of Tire Materials	8

Company Name: WCA
Address: 13737 PLANT RD
City: ALPINE ST: AL ZIP: 35014
Registration No. 61-16 / S0000001887
Printed Name: JOHNNY BATCHELOR Signature: Johnny Batchelor Date: 7-15-09

PART 3 – (check one) Processor: ____ SWDF: ✓ Receiver: ____ Transporter: ____

Specify Quantities by Count or Tons	
Whole Tires	
Tons of Tire Materials	5.87

Company Name: WCA Fines Landfill
Address: 13737 Plant Rd.
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S0000001887
Printed Name: Terry Vick Signature: [illegible] Date: 7-15-09

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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PART 1 – (check one) Receiver: ✓ Transporter 1: ____ Transporter 2: ____ Processor: ____ SWDF: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: TTCI
Address: 291 JIMMY PARKS BLVD
City: ANNISTON ST: AL ZIP: 36205
Registration No.
Printed Name: GRADY BENDEL Signature: Grady Bendel Date: 7/15/09

PART 2 – (check one) Transporter 1: ✓ Transporter 2: ____ Processor: ____ SWDF: ____ Receiver: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: WCA
Address: 13337 PLANT RD.
City: ALPINE ST: AL ZIP: 35014
Registration No. 6116 / S00000001887
Printed Name: JOHNNY BATCHELOR Signature: Johnny Batchelor Date: 7-15-09

PART 3 – (check one) Processor: ____ SWDF: ✓ Receiver: ____ Transporter: ____

Specify Quantities by Count or Tons
Whole Tires:
Tons of Tire Materials: 10.46

Company Name: WCA Fines Landfill
Address: 13737 Plant Rd.
City: Alpine ST: AL ZIP: 35014
Registration No. 6116 / S00000001887
Printed Name: Terry Vick Signature: [illegible] Date: 7-15-09

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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PART 1 – (check one) Receiver: ✓ Transporter 1: ____ Transporter 2: ____ Processor: ____ SWDF: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: TTCCI
Address: 291 Jimmy Parks Blvd
City: Anniston ST: AL ZIP: 36205
Registration No.
Printed Name: Grady Bender Signature: Grady Bender Date: 7/15/09

PART 2 – (check one) Transporter 1: ✓ Transporter 2: ____ Processor: ____ SWDF: ____ Receiver: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: WCA
Address: 13737 Alpine Plant Rd.
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16/S0000001887
Printed Name: James Torbert Signature: James Torbert Date: 7/15/09

PART 3 – (check one) Processor: ____ SWDF: ✓ Receiver: ____ Transporter: ____

Specify Quantities by Count or Tons
Whole Tires:
Tons of Tire Materials: 9.60

Company Name: WCA Fines Landfill
Address: 13737 Plant Rd.
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16/S0000001887
Printed Name: Terry Vick Signature: Terry Vick Date: 7-15-09

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
SCRAP TIRE MANIFEST

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PART 1 – (check one) Receiver: ✓ Transporter 1: _____ Transporter 2: _____ Processor: _____ SWDF: _____

Specify Quantities by Count or Tons
Whole Tires: 5000
Tons of Tire Materials: 8

Company Name: TTECI
Address: 291 JIMMY PARKS BLVD
City: ANNISTON ST: AL ZIP: 36205
Registration No. _____

Printed Name: GRADY BENDER Signature: [signature] Date: 7/14/09

PART 2 – (check one) Transporter 1: ✓ Transporter 2: _____ Processor: _____ SWDF: _____ Receiver: _____

Specify Quantities by Count or Tons
Whole Tires: 80
Tons of Tire Materials: 2 Ton

Company Name: WCA
Address: 13737 Plant Rd
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S0000001887

Printed Name: James Torbert Signature: [signature] Date: 7/14/09

PART 3 – (check one) Processor: _____ SWDF: ✓ Receiver: _____ Transporter: _____

Specify Quantities by Count or Tons
Whole Tires: _____
Tons of Tire Materials: 6.50

Company Name: WCA Fines Landfill
Address: 13737 Plant Rd.
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S0000001887

Printed Name: Terry Vick Signature: [signature] Date: 7-14-09

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
SCRAP TIRE MANIFEST

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PART 1 – (check one) Receiver: ✓ Transporter 1: _____ Transporter 2: _____ Processor: _____ SWDF: _____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: MCT
Address: 291 Jimmy Parks Blvd
City: Anniston ST: AL ZIP: 36205
Registration No.

Printed Name: Grady Bendell Signature: Grady Bendell Date: 7/14/09

PART 2 – (check one) Transporter 1: ✓ Transporter 2: _____ Processor: _____ SWDF: _____ Receiver: _____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: WCA
Address: 13737 PLANT ROAD
City: ALPINE ST: AL ZIP: 35014
Registration No. 61-16 / S0000001887

Printed Name: JOHNNY BATCHELOR Signature: Johnny Batchelor Date: 7-14-09

PART 3 – (check one) Processor: _____ SWDF: ✓ Receiver: _____ Transporter: _____

Specify Quantities by Count or Tons
Whole Tires:
Tons of Tire Materials: 6.84

Company Name: WCA Fines Landfill
Address: 13737 Plant Rd.
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S0000001887

Printed Name: Terry Vick Signature: [illegible] Date: 7-14-09

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
SCRAP TIRE MANIFEST

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PART 1 – (check one) Receiver: ✓ Transporter 1: ____ Transporter 2: ____ Processor: ____ SWDF: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: TTECI
Address: 291 Gimm
City: Anniston ST: AL ZIP: 36205
Registration No. ____

Printed Name: Grady Bender Signature: Grady Bender Date: 07/08/09

PART 2 – (check one) Transporter 1: ✓ Transporter 2: ____ Processor: ____ SWDF: ____ Receiver: ____

Specify Quantities by Count or Tons
Whole Tires: 5000
Tons of Tire Materials: 8

Company Name: WCA
Address: 13737 PIANT RD.
City: ALPINE ST: AL ZIP: 35014
Registration No. 61-16 / S0000001887

Printed Name: JOHNNY BATCHELOR Signature: Johnny Batchelor Date: 7-9-09

PART 3 – (check one) Processor: ____ SWDF: ✓ Receiver: ____ Transporter: ____

Specify Quantities by Count or Tons
Whole Tires: ____
Tons of Tire Materials: 6.58

Company Name: WCA Fines Landfill
Address: 13737 Plant Rd.
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S0000001887

Printed Name: Terry Vick Signature: Terry Vick Date: 7-9-09

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SCRAP TIRE MANIFEST

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PART 1 – (check one) Receiver: ✓ Transporter 1: ____ Transporter 2: ____ Processor: ____ SWDF: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: TTECI
Address: 291 JIMMY PARKS BLVD
City: ANNISTON ST: AL ZIP: 36205
Registration No.

Printed Name: GRADY BONDER Signature: Grady Bonder Date:

PART 2 – (check one) Transporter 1: ✓ Transporter 2: ____ Processor: ____ SWDF: ____ Receiver: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 8

Company Name: WCA
Address: 13737
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S0000001887

Printed Name: JAMES TALBERT Signature: James Talbert Date: 7/9/09

PART 3 – (check one) Processor: ____ SWDF: ✓ Receiver: ____ Transporter: ____

Specify Quantities by Count or Tons
Whole Tires:
Tons of Tire Materials: 4.87

Company Name: WCA Fines Landfill
Address: 13737 Plant Rd.
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S0000001887

Printed Name: Terry Vick Signature: Terry Vick Date: 7-9-09

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
SCRAP TIRE MANIFEST

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PART 1 – (check one) Receiver: ✓ Transporter 1: ____ Transporter 2: ____ Processor: ____ SWDF: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: ~~8000~~

Company Name: TTCI
Address: 291 JIMMY PARKS BLVD
City: ANNISTON ST: AL ZIP: 36205
Registration No.
Printed Name: GRADY BENDEZ Signature: Grady Bendez Date: 07/09/09

PART 2 – (check one) Transporter 1: ✓ Transporter 2: ____ Processor: ____ SWDF: ____ Receiver: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: ~~8000~~

Company Name: WCA
Address: 13737 PLANT RD
City: ALPINE ST: AL ZIP: 35014
Registration No. 61-16 / S00000001887
Printed Name: Johnny Batchelor Signature: Johnny Batchelor Date: 7-9-09

PART 3 – (check one) Processor: ____ SWDF: ✓ Receiver: ____ Transporter: ____

Specify Quantities by Count or Tons
Whole Tires:
Tons of Tire Materials: 8.04

Company Name: WCA Fines Landfill
Address: 13737 Plant Rd.
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S00000001887
Printed Name: Terry Vick Signature: Terry Vick Date: 7-9-09

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SCRAP TIRE MANIFEST

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PART 1 – (check one) Receiver: ✓ Transporter 1: ____ Transporter 2: ____ Processor: ____ SWDF: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 4000

Company Name: TTECI
Address: 291 JIMMY PARKS BLVD
City: ANNISTON ST: AL ZIP: 36205
Registration No. ____

Printed Name: GRADY BENDEL Signature: Grady Bendel Date: 7/8/2009

PART 2 – (check one) Transporter 1: ✓ Transporter 2: ____ Processor: ____ SWDF: ____ Receiver: ____

Specify Quantities by Count or Tons
Whole Tires: 50
Tons of Tire Materials: 4000

Company Name: WCA
Address: 13737 Plant Rd
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S0000001887

Printed Name: James Torbert Signature: James Torbert Date: 7/8/09

PART 3 – (check one) Processor: ____ SWDF: ✓ Receiver: ____ Transporter: ____

Specify Quantities by Count or Tons
Whole Tires: ____
Tons of Tire Materials: 8.14

Company Name: WCA Fines Landfill
Address: 13737 Plant Rd.
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S0000001887

Printed Name: Terry Vick Signature: Terry Vick Date: 7-8-09

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PART 1 – (check one) Receiver: ✓ Transporter 1: ____ Transporter 2: ____ Processor: ____ SWDF: ____

Specify Quantities by Count or Tons
Whole Tires: 500 lbs
Tons of Tire Materials: 4000

Company Name: TETRA TECH ECI
Address: 291 JIMMY PARKS BLVD
City: ANNISTON ST: AL ZIP: 36205
Registration No.
Printed Name: GRADY BENDEZ Signature: Grady Bendez Date: 7/8/09

PART 2 – (check one) Transporter 1: ✓ Transporter 2: ____ Processor: ____ SWDF: ____ Receiver: ____

Specify Quantities by Count or Tons
Whole Tires: 500 lbs
Tons of Tire Materials: 4000

Company Name: WCA
Address: 13737 Plant Rd
City: Alpine AL ST: AL ZIP: 35014
Registration No. 61-16/S0000001887
Printed Name: JAMES Tarbert Signature: James Tarbert Date: 7/8/09

PART 3 – (check one) Processor: ____ SWDF: ✓ Receiver: ____ Transporter: ____

Specify Quantities by Count or Tons
Whole Tires:
Tons of Tire Materials: 4.75

Company Name: WCA Fines Landfill
Address: 13737 Plant Rd.
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16/S0000001887
Printed Name: Terry Rick Signature: Terry Rick Date: 7-8-09

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PART 1 – (check one) Receiver: ✓ Transporter 1: ____ Transporter 2: ____ Processor: ____ SWDF: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 4000

Company Name: TTECI
Address: 291 JEMMY PARKS BLVD
City: ANNISTON ST: AL ZIP: 36205
Registration No.:

Printed Name: GRADY BENDEL Signature: Grady Bendel Date: 7/8/2009

PART 2 – (check one) Transporter 1: ✓ Transporter 2: ____ Processor: ____ SWDF: ____ Receiver: ____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 4000 lbs

Company Name: WCA
Address: 13737 PLANT RD
City: ALPINE ST: AL ZIP: 35014
Registration No: 61-16 / S0000001887

Printed Name: JOHNNY BATCHELOR Signature: Johnny Batchelor Date: 7-8-09

PART 3 – (check one) Processor: ____ SWDF: ✓ Receiver: ____ Transporter: ____

Specify Quantities by Count or Tons
Whole Tires:
Tons of Tire Materials: 8.52

Company Name: WCA Fines Landfill
Address: 13737 Plant Rd.
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S0000001887

Printed Name: Terry Rick Signature: [illegible] Date: 7-8-09

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PART 1 – (check one) Receiver: ✓ Transporter 1: _____ Transporter 2: _____ Processor: _____ SWDF: _____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 4000 LBS

Company Name: TETRA TECH ECI
Address: 291 JIMMY PARKS BLVD
City: ANNISTON ST: AL ZIP: 36205
Registration No. _____

Printed Name: GRADY BENDEL Signature: Grady Bendel Date: 7/8/09

PART 2 – (check one) Transporter 1: ✓ Transporter 2: _____ Processor: _____ SWDF: _____ Receiver: _____

Specify Quantities by Count or Tons
Whole Tires: 500
Tons of Tire Materials: 4000 lbs

Company Name: WCA
Address: 13737 PLANT RD.
City: ALPINE ST: AL ZIP: 35014
Registration No. 61-16 / S0000001887

Printed Name: JOHNNY BATCHELOR Signature: Johnny Batchelor Date: 7-8-09

PART 3 – (check one) Processor: _____ SWDF: ✓ Receiver: _____ Transporter: _____

Specify Quantities by Count or Tons
Whole Tires: _____
Tons of Tire Materials: 9.44

Company Name: WCA Fines Landfill
Address: 13737 Plant Rd.
City: Alpine ST: AL ZIP: 35014
Registration No. 61-16 / S0000001887

Printed Name: Terry Vick Signature: [illegible] Date: 7-8-09

ADEM Form 536 1/06 m1

APPENDIX F-3
RANGE 24a SURFACE CLEARANCE REPORT

CLEARANCE REPORT

Remedial Action in Charlie Area
Range 24a Surface Clearance Only Area
at Fort McClellan, Alabama

Prepared For:

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE

Unrestricted Comprehensive Environmental Contract
Contract Number: W912DY-04-D-0011
Delivery Order 0010

Prepared By:
Tetra Tech EC, Inc.
4960 Corporate Drive, Suite 140
Huntsville, Alabama 35805

September 2009

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Appendix A Range 24a Surface Clearance Only Area Map
Appendix B UXO Grid Clearance Forms
Appendix C Summary of Recovered Items
Appendix D QC Documentation
Appendix E QA Documentation

1.0 INTRODUCTION

Tetra Tech EC, Inc. prepared this Clearance Report for completion of Surface Clearance Operations in the Range 24a Surface Clearance Only Area at Fort McClellan, Alabama for the U.S. Army Engineering and Support Center, Huntsville. This deliverable is submitted in accordance with the payment milestone schedule in Modification 01 of the contract. A map of the Range 24a Surface Clearance Only Area is located in Appendix A.

1.1 AUTHORIZATION

This project was authorized on October 10, 2008 as Task Order 0010, under Contract, W912DY-04-D-0011, Charlie Area Remedial Action, Fort McClellan, Alabama. Modification 01 was issued on October 10, 2008 to incorporate the payment milestone schedule. The surface clearance of the Range 24a Surface Clearance Only Area has been executed in accordance with the TO, Performance Work Statement, approved Work Plan, technical instructions, and other contract direction.

1.2 PURPOSE AND SCOPE

The purpose of this project is to provide all Munitions Response services necessary to accomplish a Remedial Action in Range 24a Surface Clearance Only Area. Surface clearance activities were conducted in the 12 acre portion of Range 24A, identified as a sensitive area by U.S. Fish and Wildlife Service. Only surface clearance activities were performed in this part of Range 24A due to the presence of wetlands, seeps, and springs located in the area.

Personnel searched each grid using standard detector-aided visual surface clearance procedures. The surface clearance teams used the line abreast method, removing all metallic objects located. This method involves team members walking side by side, separated by a distance that does not exceed visual coverage of the adjoining person's field of view, visually scanning the surface terrain. Each team member used a hand-held magnetometer to assist in finding metallic items. Pin Flags were placed at the ends of the surface clearance teams line to aid the team in walking a straight line, and the person on the end of the sweep line used the pin flags as a guide until the team reached the edge of the grid, then the pin flags were moved over to be used on the next pass. In areas where this approach did not work or adequate coverage could not be maintained, the grid was then subdivided into lanes or sub-grids using rope (or other method, as directed by the SUXOS) to ensure complete coverage. This procedure was repeated until the entire grid had been searched.

All cultural and target debris within the defined project area was removed. All material removed was inspected and verified to be free of explosive hazards. Surface clearance personnel did not perform intrusive activities. No intrusive efforts were made to remove suspect items entirely below the ground surface.

2.0 DOCUMENTATION

2.1 SURFACE CLEARANCE DATA SHEETS

Surface Clearance Data Sheets were prepared for each of the 89 grids in the Range 24a Surface Clearance Only Area. These are included in Appendix B.

2.2 SUMMARY OF RECOVERED ITEMS

A table listing pounds of scrap removed per grid is included in Appendix C.

2.3 QUALITY CONTROL DOCUMENTATION

Refer to Appendix D for copies of the Quality Control Acceptance Inspection forms documenting TtEC's final acceptance inspection activities within the surface clearance only area.

2.4 QUALITY ASSURANCE DOCUMENTATION

Refer to Appendix E for copies of the Form 948's documenting USAESCH's Quality Assurance activities within the surface clearance only area.

3.0 SUMMARY

The surface clearance of the Range 24a Area was performed in accordance with accepted industry practices, the Task Order, Performance Work Statement, approved Work Plan, technical instructions, the approved Explosive Safety Submission (ESS), and other contract direction. Compliance with the above standards cannot guarantee that all surface MEC items were discovered and removed and TtEC makes no such representation. The Table 3-1 presents a summary of the completed work.

Table 3-1
Range 24a Statistics

	Project Total	Notes
Number of UXO/MEC Recovered	0	
Number of MPPEH Recovered	0	
Amount/Quantity of MC	0	
Amount of Munitions Debris (lbs)	150	
Amount of Range Related Debris (lbs)	0	
Amount of other Scrap (lbs)	5,830	

APPENDIX A

RANGE 24a

SURFACE CLEARENCE ONLY AREA MAP

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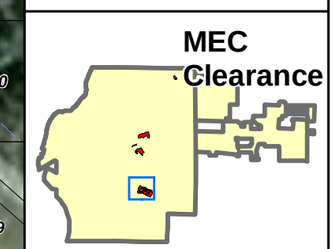
Range 24A

Legend

- Roads
- Streams
- Lakes
- Surface Clearance Area
- 100' x 100' Grid

N
W E
S

0 25 50 100
Feet



File: R:\projects_2007\Fort_McClellan\maps\24_a_range_sca.mxd
Printing Date: Wednesday, June 03, 2009

APPENDIX B
UXO GRID CLEARANCE FORMS

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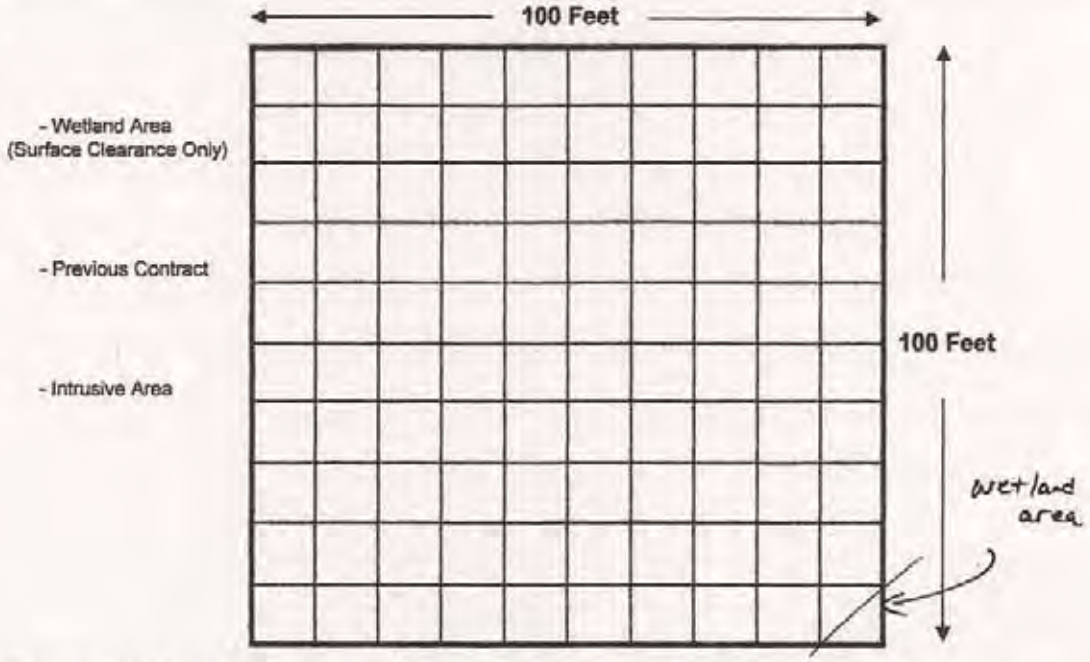
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D001 | Date Started 14 APR 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 29 APR 2009 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
					Ø
					Total #
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 20 APR 2009

SUXOS Signature: [signature] Date 29 APR 2009

UXOQCS Signature: [signature] Date 30 Apr 09

Ft. McClellan 'Charlie Area Remediation Anniston, AL

Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: ~~D001~~ Row ~~D001~~ XRG D002

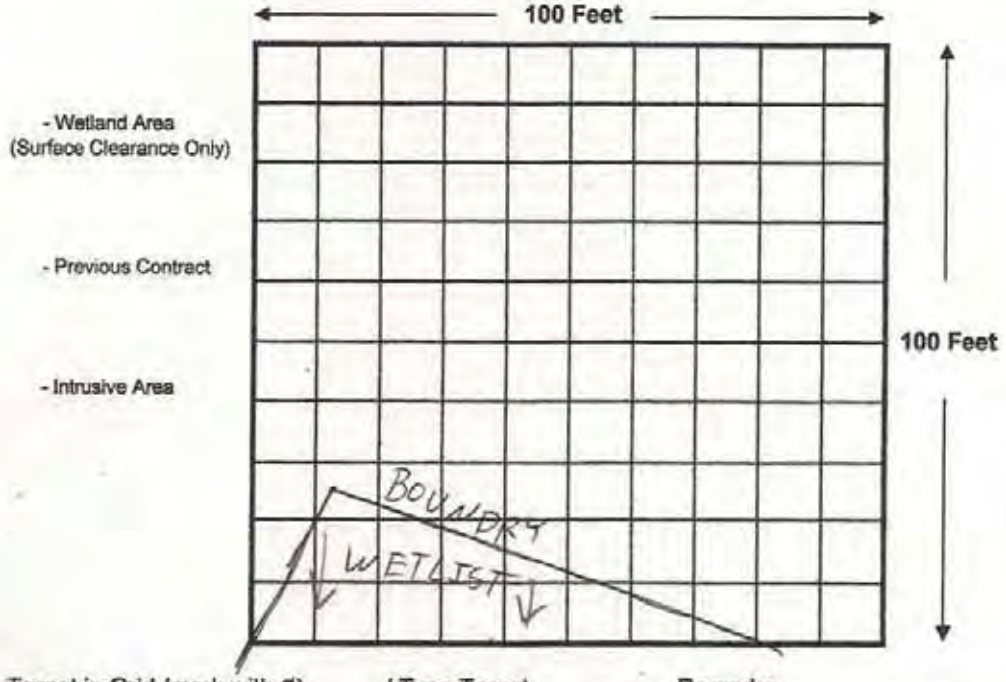
Date Started: 14 APRIL 2009

Task: Surface Clearance Only

Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APRIL 2009

UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
					0
					Total #
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

Ft. McClellan 'Charlie Area Remediation Anniston, AL

Tetra-Tech, ECI

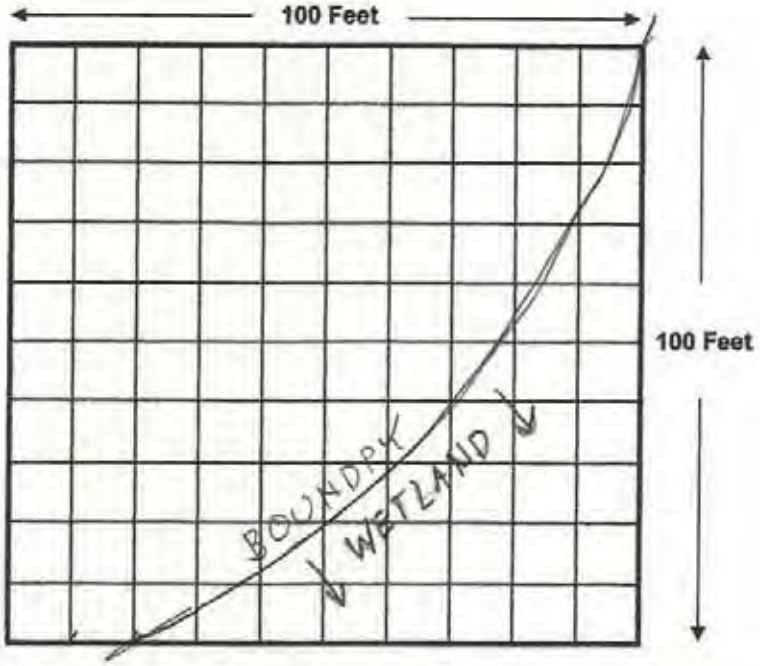
UXO Grid Clearance Form

Grid Number: D003 | Date Staked: 14 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 09 | UXO Remediation Completion Date: _____

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

				Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
				0

		Total #
■ Date:_____	Surface contacts:_____	_____
■ Date:_____	Surface contacts:_____	_____
■ Date:_____	Surface contacts:_____	_____
		_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

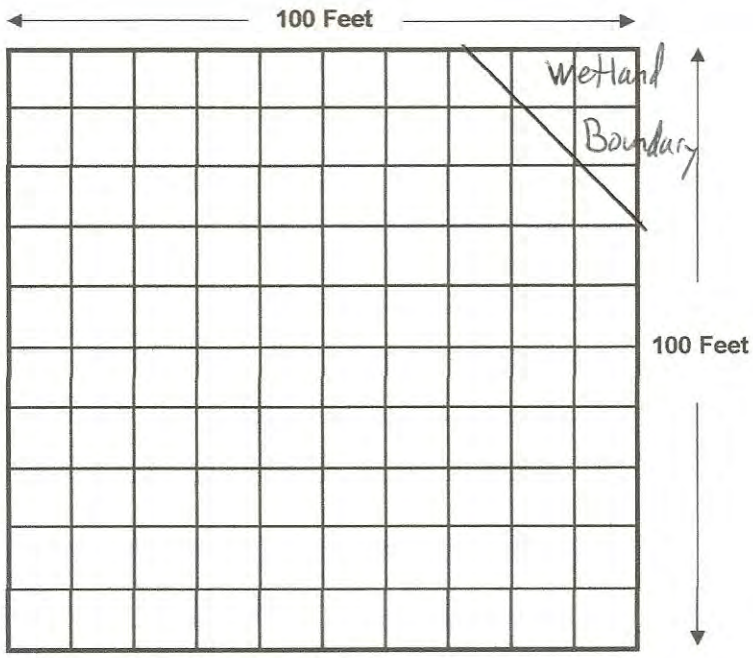
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D004 Date Started 14 APRIL 2009

Task: Surface Clearance Range: 24A (Wetland Area)

Surface Clearance Completion Date 21 April '09



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

				Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
				Total #
■ Date:_____	Number of Excavations:_____	Surface contacts:	_____	_____
		Sub-surface contacts:	_____	_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) **Team Leader Signature:** [signature] **Date:** 21 APR 09

UXOQCS Signature: [signature] Date 30 Apr 09

SUXOS Signature: [signature] Date 23 APR 09

Ft. McClellan "Charlie Area Remediation" Annisont, AL

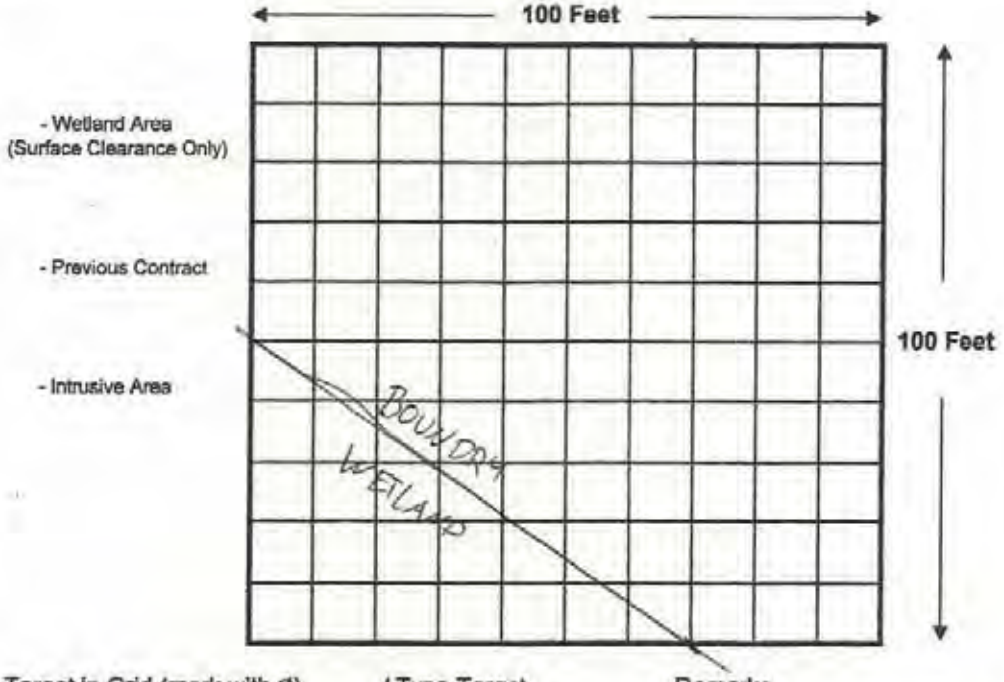
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: D005 Date Started: 14 APR 2009

Task: Surface Clearance Only Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR '09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

				Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
				0
				Total #
■ Date:_____	Surface contacts:_____			_____
■ Date:_____	Surface contacts:_____			_____
■ Date:_____	Surface contacts:_____			_____
				_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** Team Leader Signature: [signature] Date: 21 APR '09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

Ft. McClellan 'Charlie Area Remediation Anniston, AL

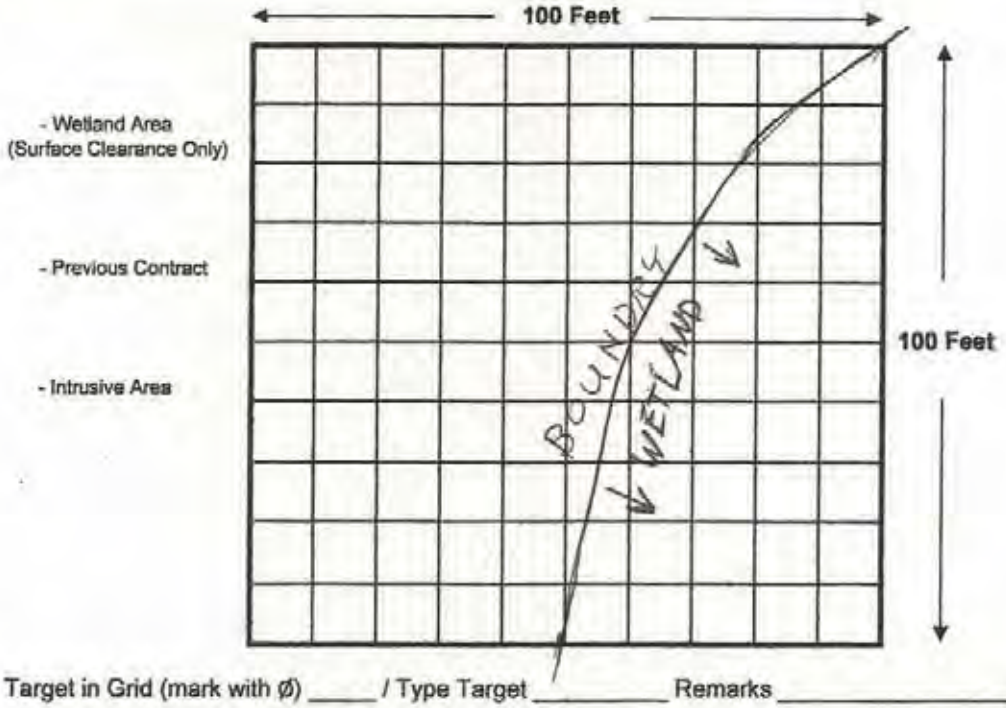
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: DØØ6 | Date Started: ~~21 APRIL 2009~~ 14 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR '09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

				Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
				Total #
■ Date:_____	Surface contacts:_____			_____
■ Date:_____	Surface contacts:_____			_____
■ Date:_____	Surface contacts:_____			_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR Ø9

SUXOS Signature: [signature] Date 4/25/09

UXOQCS Signature: [signature] Date 30 Apr 09

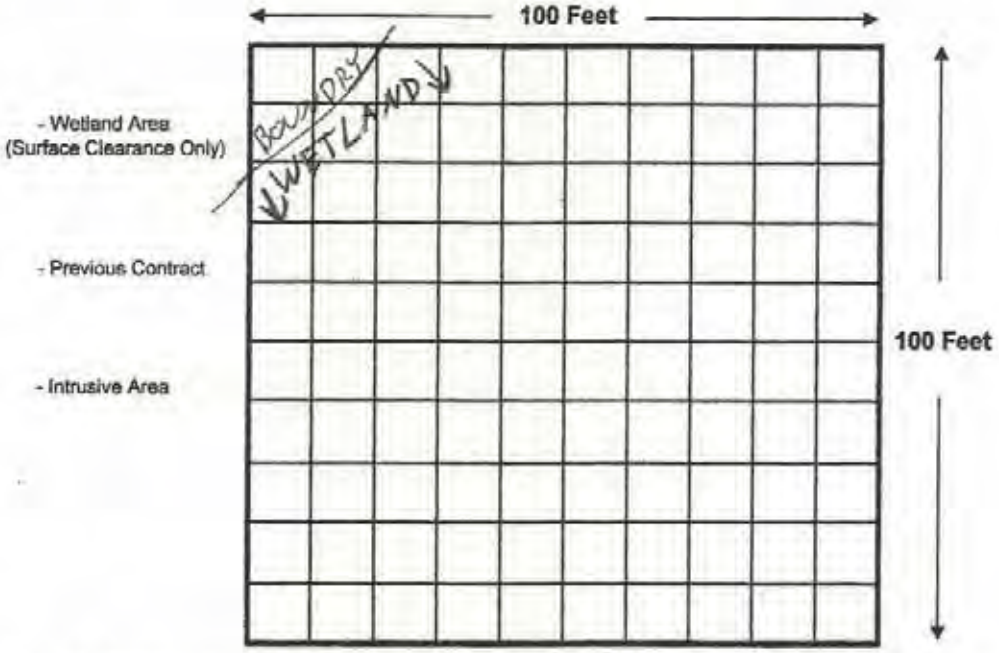
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: D007 | Date Started: 14 APR '09

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR '09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 14 APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 50 Lbs.		50
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
					50
					Total #
■ Date: _____	Surface contacts: _____				_____
■ Date: _____	Surface contacts: _____				_____
■ Date: _____	Surface contacts: _____				_____
					_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

Tetra-Tech, ECI

UXO Grid Clearance Form

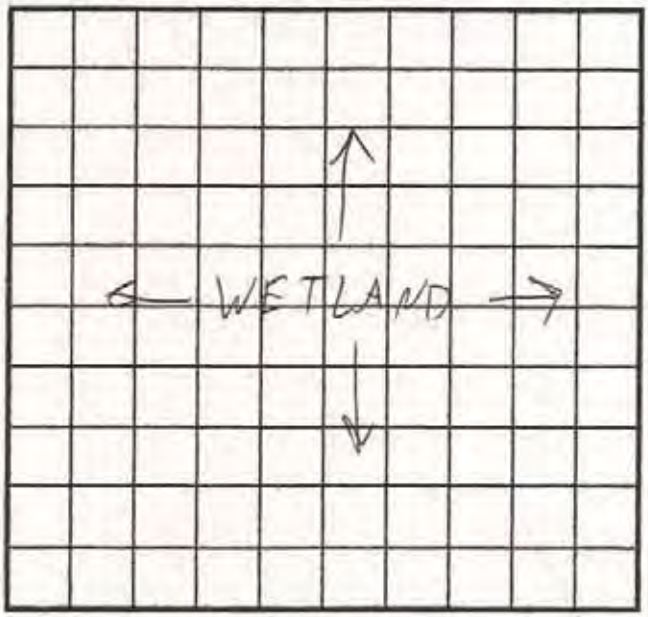
Grid Number D008 | Date Started 14 APR 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APRIL 2009 | UXO Remediation Completion Date _____

100 Feet

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



100 Feet

Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 14 APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 100 Lbs.		100
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					100
					Total #
■ Date: _____	Surface contacts: _____				
■ Date: _____	Surface contacts: _____				
■ Date: _____	Surface contacts: _____				

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR '09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 April 09

Tetra-Tech, ECI

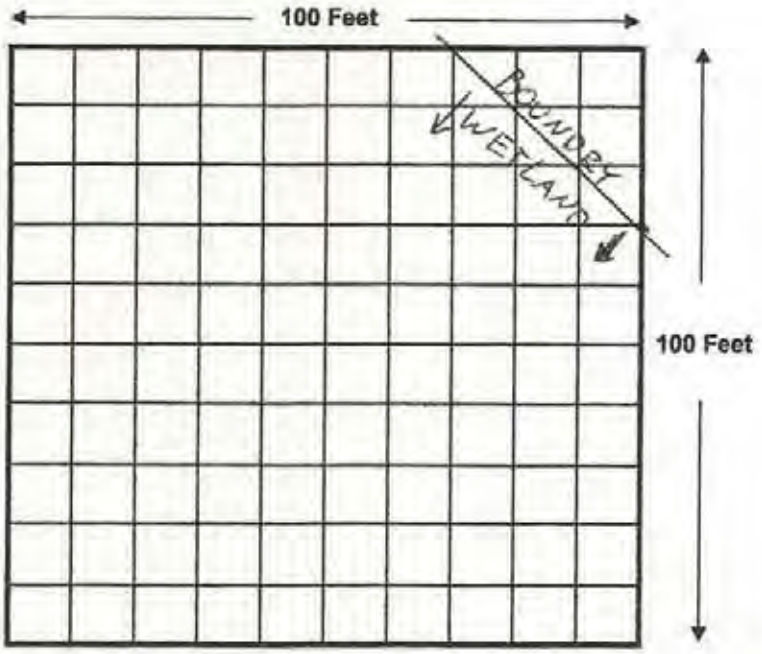
UXO Grid Clearance Form

Grid Number: DØØ9 | Date Started: 14 APR 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR Ø9 | UXO Remediation Completion Date: _____

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

						Total Lbs.
■ Date: 14APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 50 Lbs.			50
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.			
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.			
						50
						Total #
■ Date: _____	Surface contacts: _____					
■ Date: _____	Surface contacts: _____					
■ Date: _____	Surface contacts: _____					

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR Ø9

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

Tetra-Tech, ECI

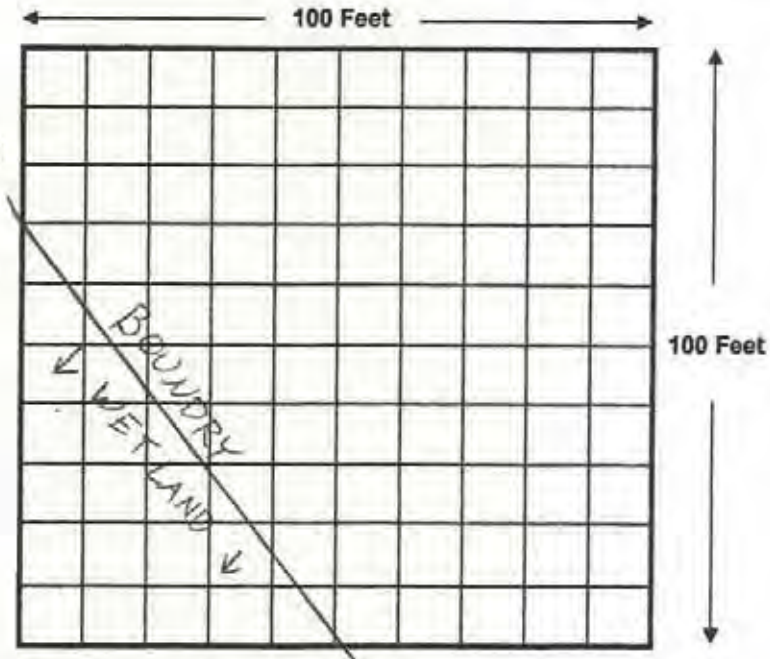
UXO Grid Clearance Form

Grid Number: D010 Date Started: 14 APR 2009

Task: Surface Clearance Only Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 2009 | UXO Remediation Completion Date: _____

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



Target in Grid (mark with ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
					0
					Total #
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

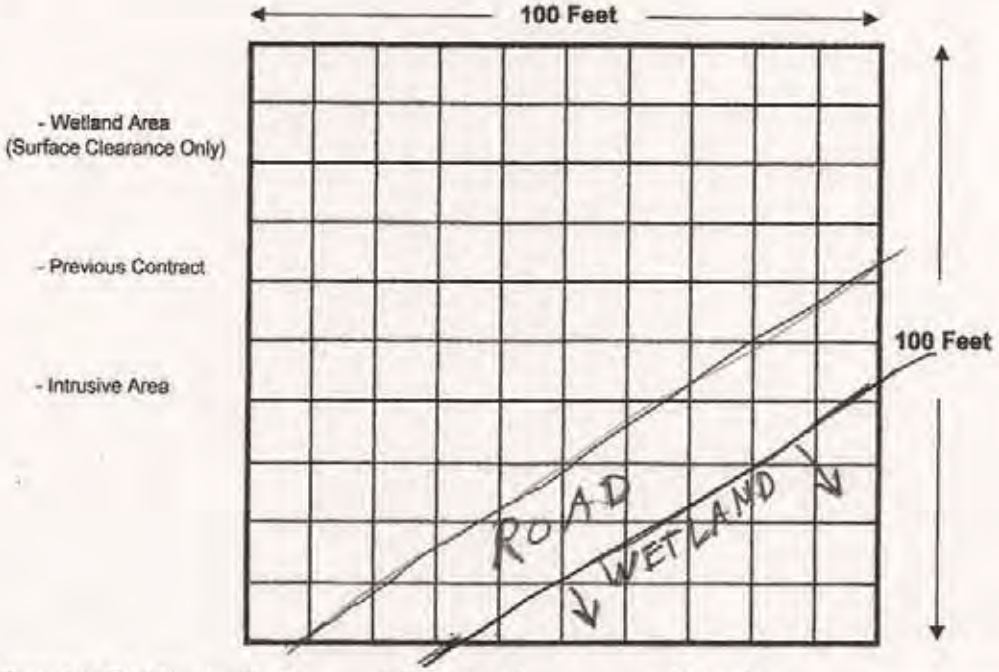
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: DØ11 Date Started: 14 APR 2009

Task: Surface Clearance Only Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR'09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

				Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
				Ø
				Total #
■ Date:_____	Surface contacts:_____			_____
■ Date:_____	Surface contacts:_____			_____
■ Date:_____	Surface contacts:_____			_____
				_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

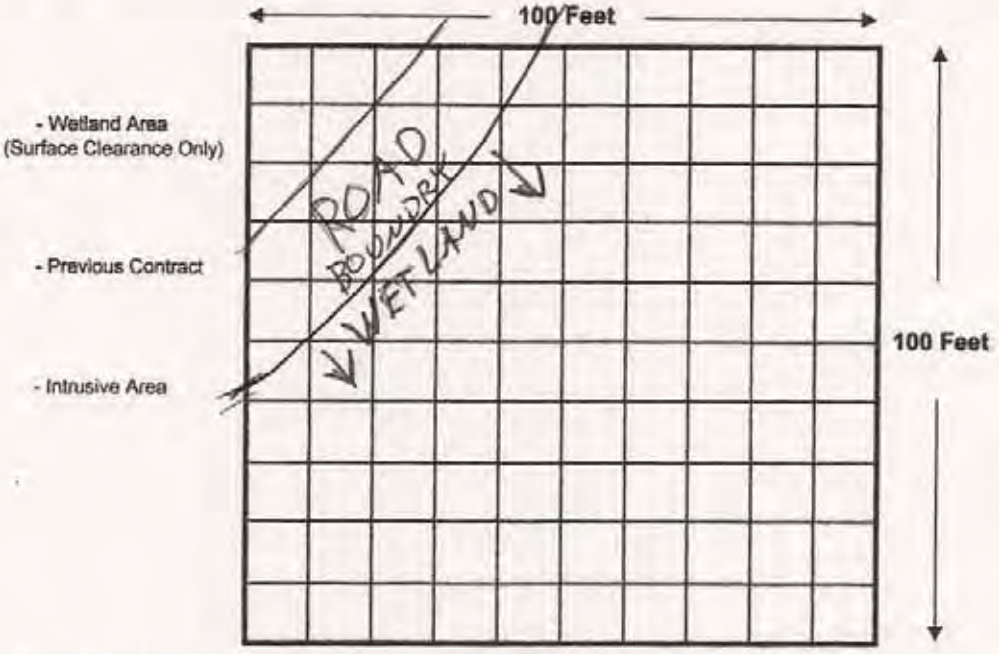
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: D012 | Date Started: 14 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 14 APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 50 Lbs.		50
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					50
					Total #

■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D013 Date Started 14 APRIL 2009

Task: Surface Clearance Only Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APRIL 09 UXO Remediation Completion Date _____

100 Feet

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area

WETLAND

100 Feet

Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					0
					Total #
■ Date:_____	Surface contacts:_____				
■ Date:_____	Surface contacts:_____				
■ Date:_____	Surface contacts:_____				

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

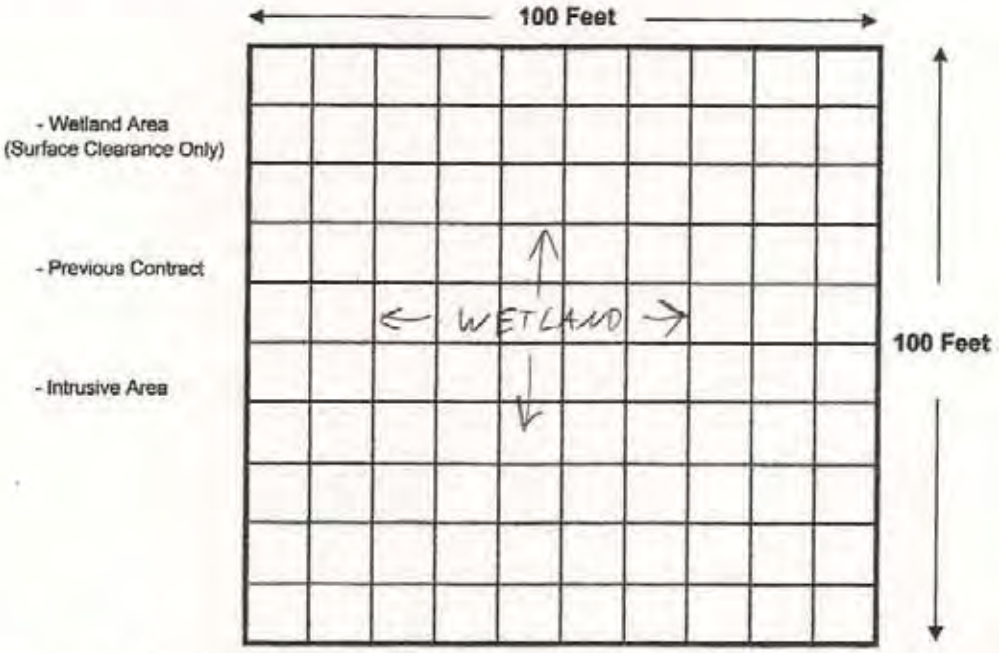
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D014 | Date Started 14 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

				Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
				0

		Total #
■ Date:_____	Surface contacts:_____	_____
■ Date:_____	Surface contacts:_____	_____
■ Date:_____	Surface contacts:_____	_____
		_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

Tetra-Tech, ECI

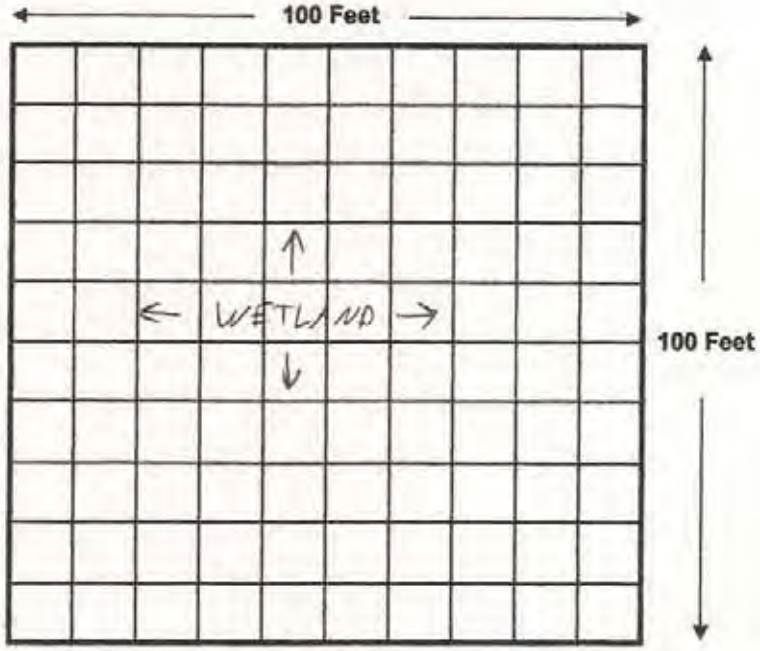
UXO Grid Clearance Form

Grid Number: D015 | Date Started: 14 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR '09 | UXO Remediation Completion Date: _____

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
					Total #
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR '09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

Tetra-Tech, ECI

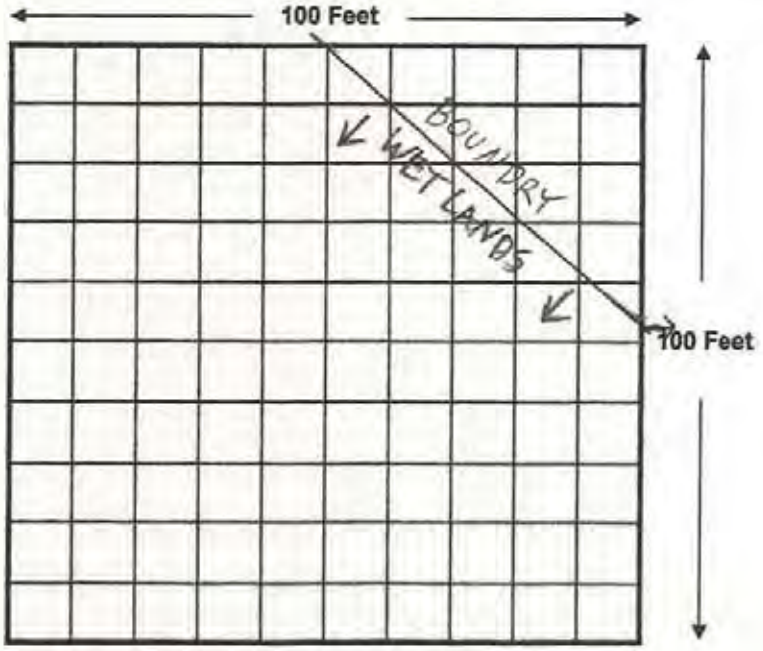
UXO Grid Clearance Form

Grid Number: D016 | Date Started: 14 APR 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 09 | UXO Remediation Completion Date: _____

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

				Total Lbs.
■ Date: 4/21/09	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	0
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	
				Total #
■ Date: _____	Surface contacts: _____			
■ Date: _____	Surface contacts: _____			
■ Date: _____	Surface contacts: _____			

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

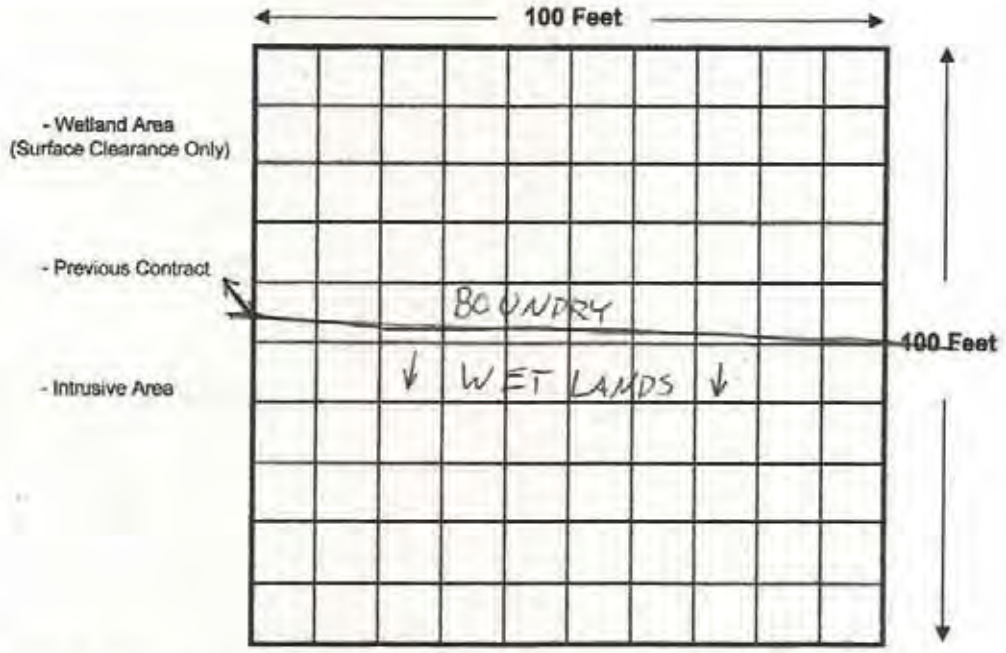
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: D017 | Date Started: 15 APR 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Cleared Completion Date: 21 APR '09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 15 APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 15 Lbs.		15
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					15
					Total #

■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR '09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

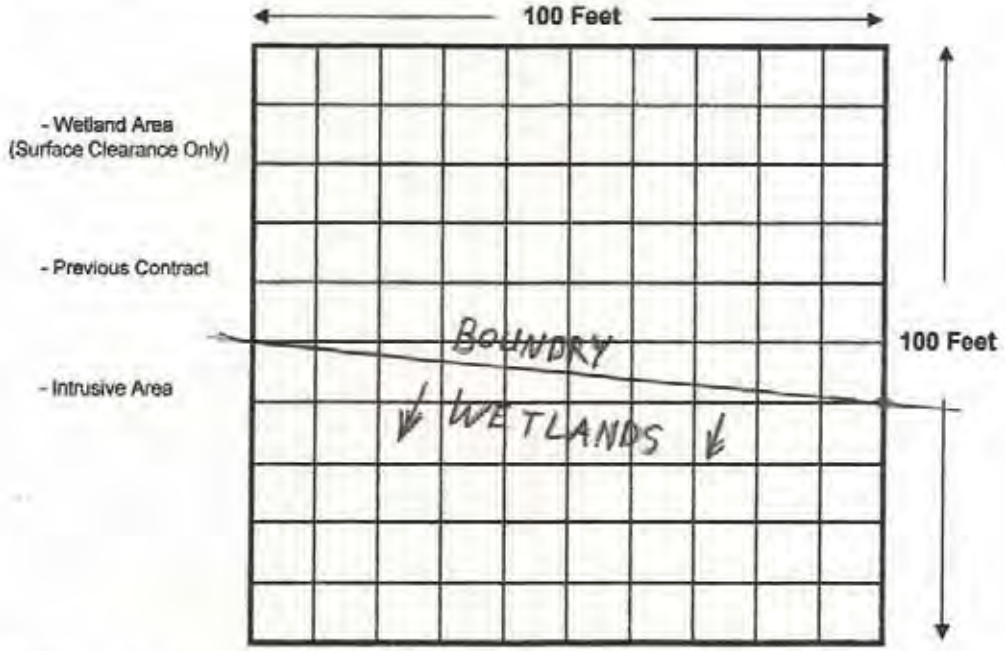
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: D018 | Date Started: 15 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

				Total Lbs.
■ Date: 4/21/09	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	0
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	
				0 Total #
■ Date: _____	Surface contacts: _____			
■ Date: _____	Surface contacts: _____			
■ Date: _____	Surface contacts: _____			

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

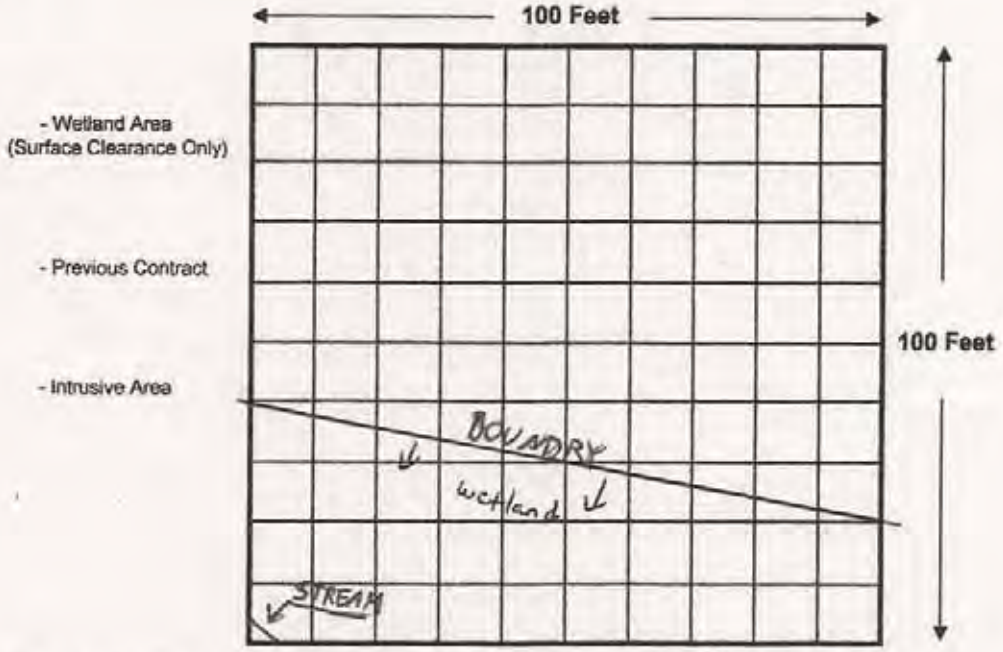
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: D019 | Date Started: 15 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR '09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 4/21/09	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		0
■ Date: / /	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					0

		Total #
■ Date: _____	Surface contacts: _____	
■ Date: _____	Surface contacts: _____	
■ Date: _____	Surface contacts: _____	

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) **Team Leader Signature:** [signature] **Date:** 21 APR 09

SUXOS Signature: [signature] Date 4/29/09

UXOQCS Signature: [signature] Date 4/30/09

Ft. McClellan 'Charlie Area Remediation Anniston, AL

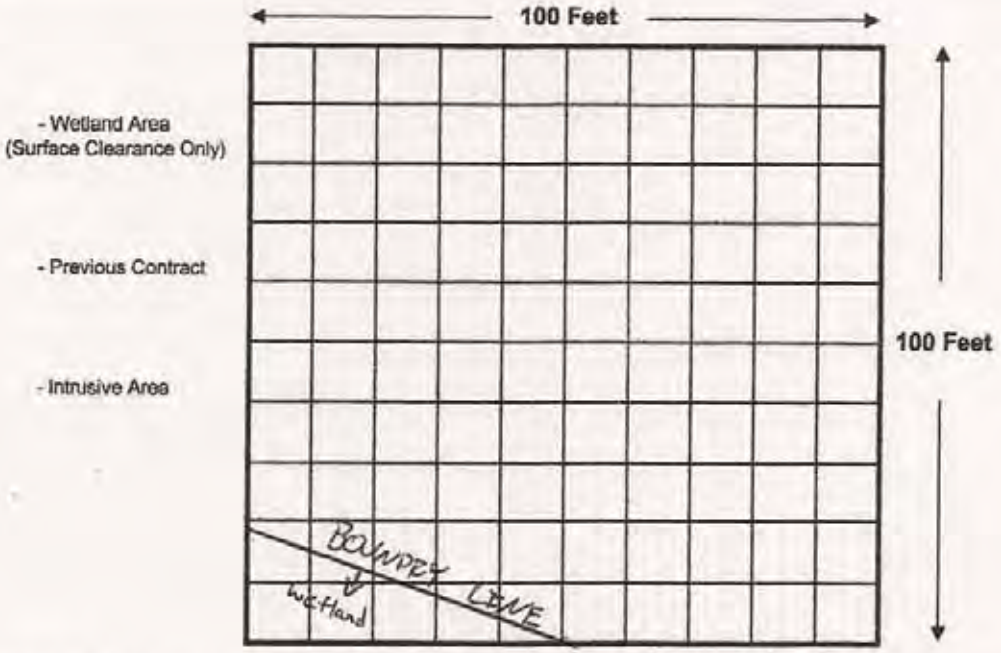
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D Ø2Ø Date Started 15 APRIL 2009

Task: Surface Clearance Only Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 09 | UXO Remediation Completion Date _____



Target In Grid (mark with Ø) _____ / Type Target _____ Remarks _____

				Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
				Ø

		Total #
■ Date:_____	Surface contacts:_____	_____
■ Date:_____	Surface contacts:_____	_____
■ Date:_____	Surface contacts:_____	_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR Ø9

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

Ft. McClellan 'Charlie Area Remediation Anniston, AL

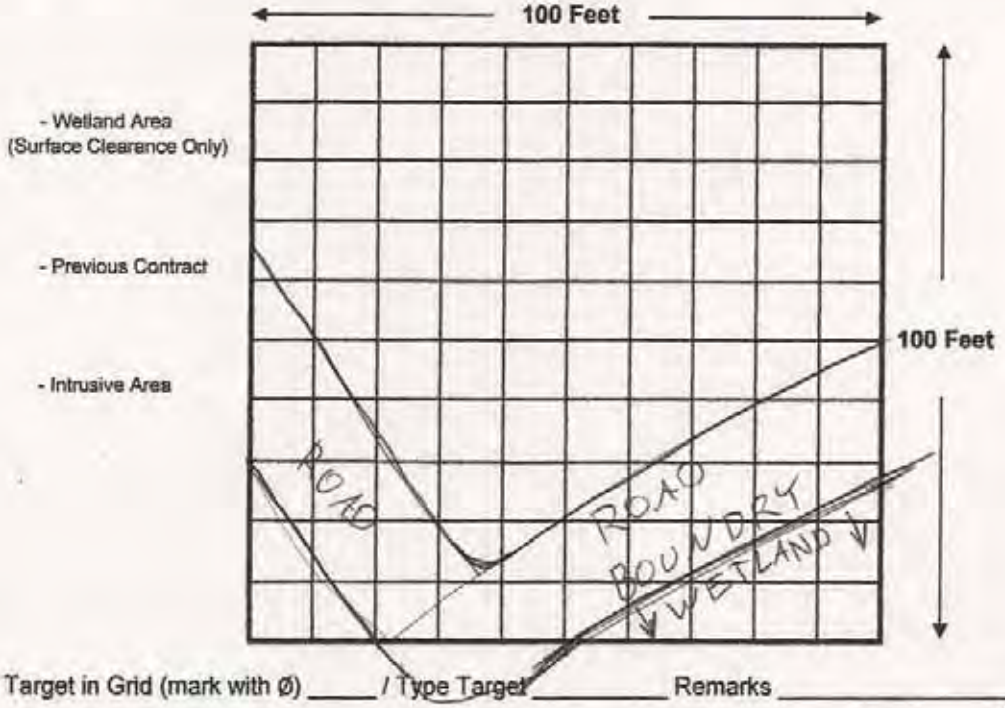
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number DØZ1 Date Started 14 APR EC 2009

Task: Surface Clearance Only Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR Ø9 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 14 APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 50 Lbs.		50
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					50 Total #

■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) **Team Leader Signature:** [signature] **Date:** 21 APR Ø9

SUXOS Signature: [signature] Date 4/03/09

UXOQCS Signature: [signature] Date 4/30/09

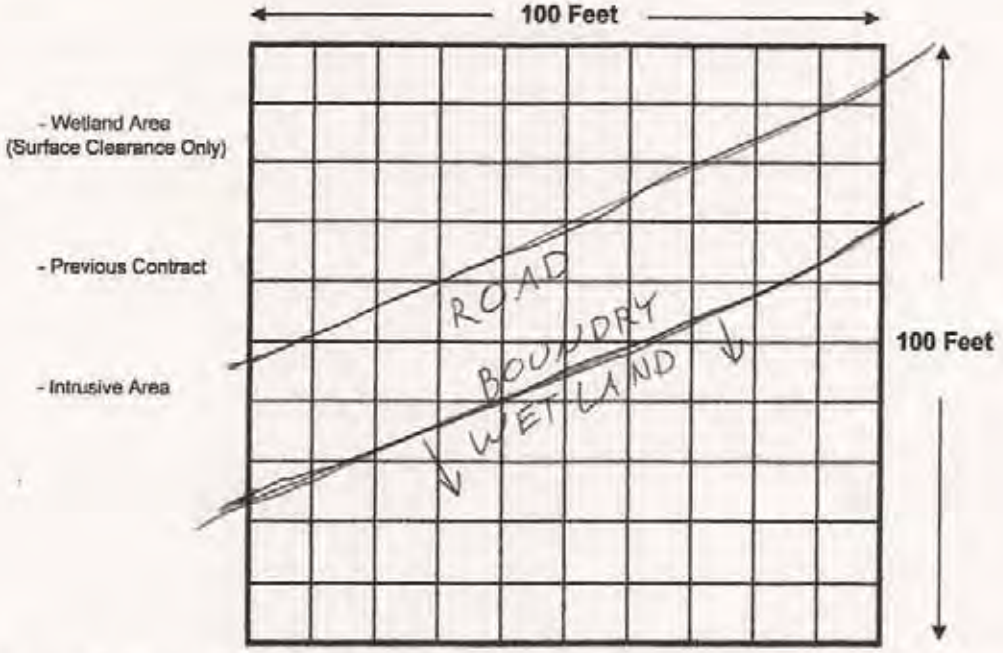
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D022 | Date Started 14 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

				Total Lbs.
■ Date: 14 APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 40 Lbs.	40
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	
				40
				Total #

■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR '09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

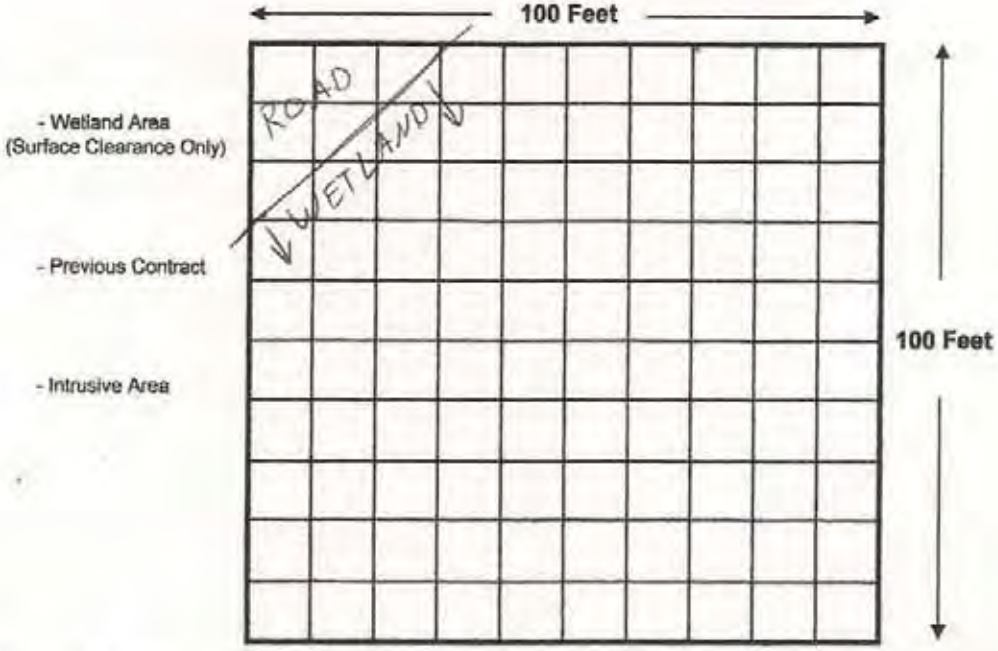
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: DØ23 | Date Started: 14 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR Ø9 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 14 APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 5 Lbs.		5
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
					5
					Total #
■ Date: _____	Surface contacts: _____				_____
■ Date: _____	Surface contacts: _____				_____
■ Date: _____	Surface contacts: _____				_____
					_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) **Team Leader Signature:** [signature] **Date:** 21 APR Ø9

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

Tetra-Tech, ECI

UXO Grid Clearance Form

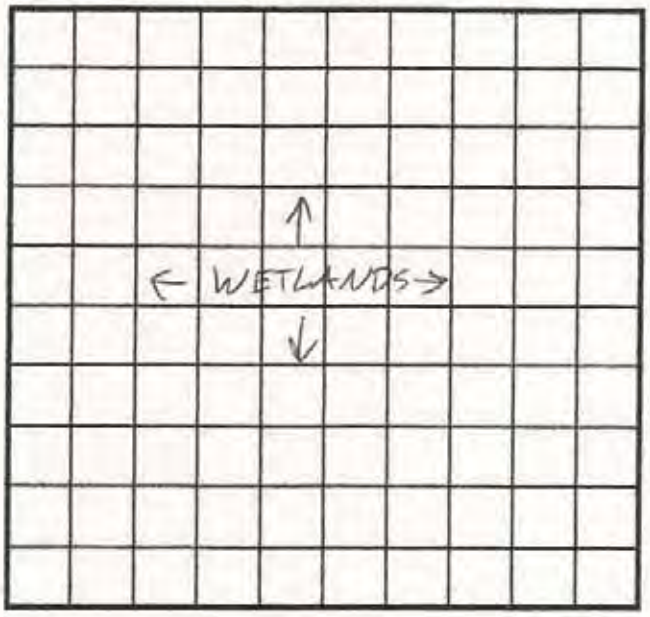
Grid Number D024 | Date Started 14 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR '09 | UXO Remediation Completion Date _____

100 Feet

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



100 Feet

Target in Grid (mark with Ø) ____ / Type Target _____ Remarks _____

				Total Lbs.
■ Date: 4/21/09	Scrap: MD ____ Lbs.	Target Material: ____ Lbs.	CD: ____ Lbs.	Ø
■ Date: ____	Scrap: MD ____ Lbs.	Target Material: ____ Lbs.	CD: ____ Lbs.	
■ Date: ____	Scrap: MD ____ Lbs.	Target Material: ____ Lbs.	CD: ____ Lbs.	Ø

		Total #
■ Date: ____	Surface contacts: ____	
■ Date: ____	Surface contacts: ____	
■ Date: ____	Surface contacts: ____	

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR '09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

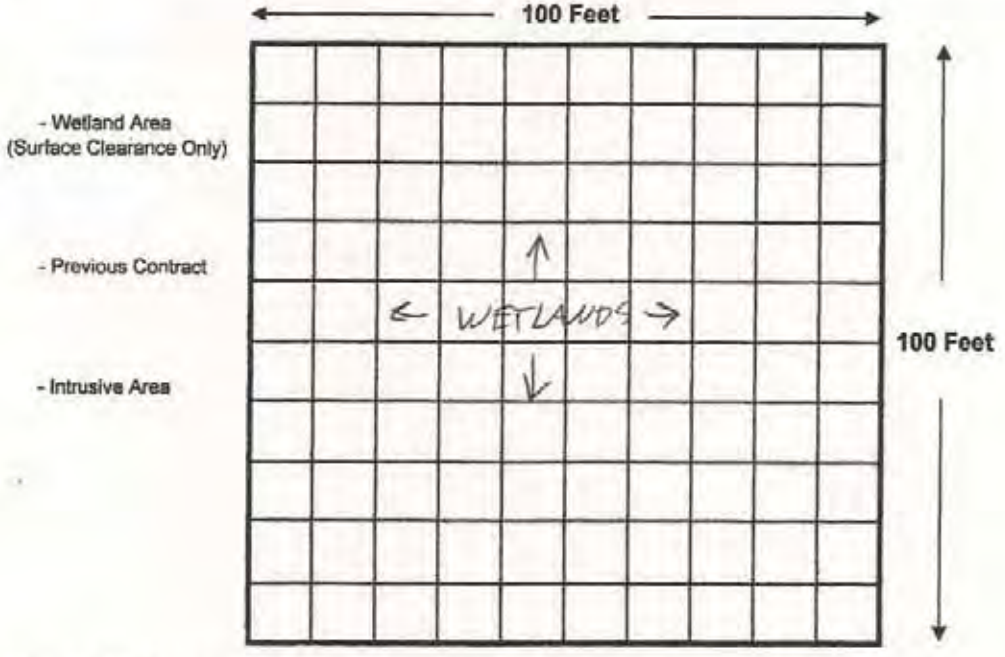
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D025 | Date Started 14 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR '09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
					Ø
					Total #

■ Date:_____	Surface contacts:_____	_____
■ Date:_____	Surface contacts:_____	_____
■ Date:_____	Surface contacts:_____	_____
		_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

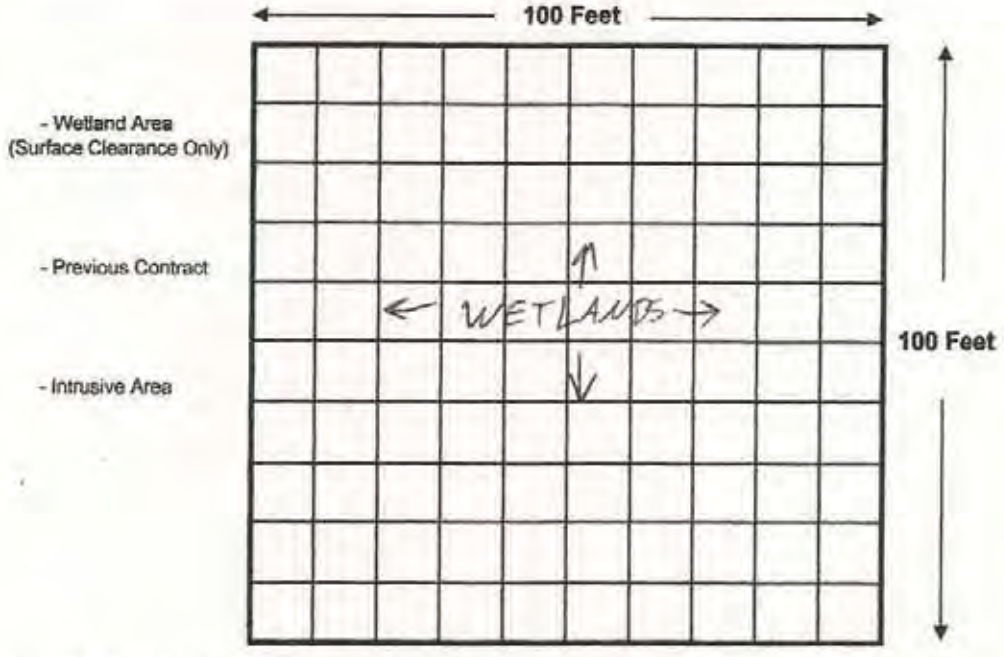
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D026 | Date Started 14 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR '09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) ____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: ____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: ____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: ____ Lbs.		_____
					Ø
					Total #
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____
					_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) **Team Leader Signature:** [signature] **Date:** 21 APR '09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

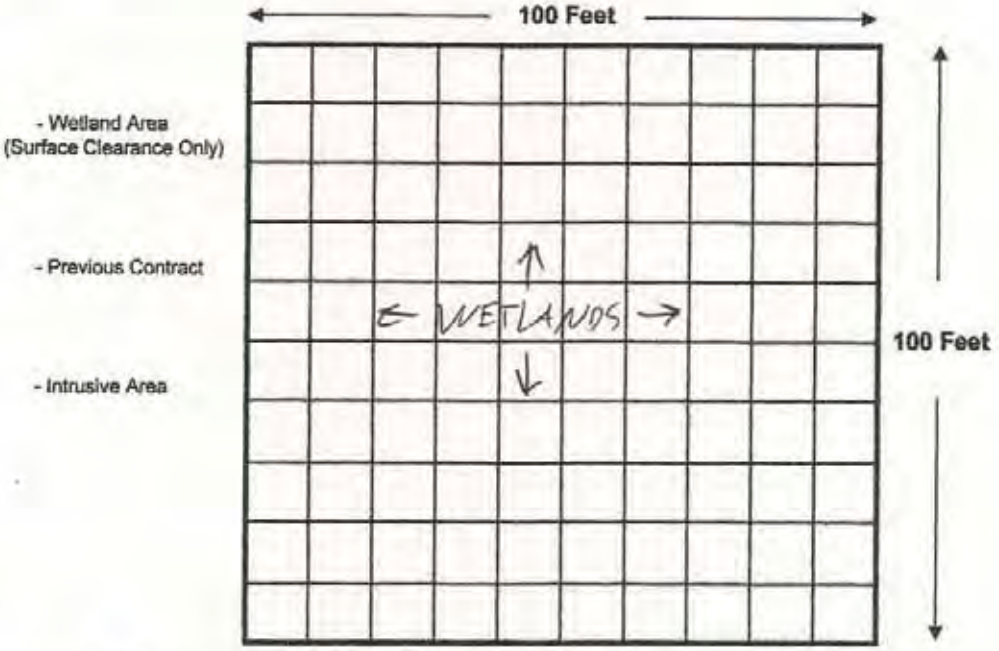
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: D027 | Date Started: 15 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21APR09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
					0
					Total #
■ Date: _____	Surface contacts: _____				_____
■ Date: _____	Surface contacts: _____				_____
■ Date: _____	Surface contacts: _____				_____
					_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR 2009

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

Tetra-Tech, ECI

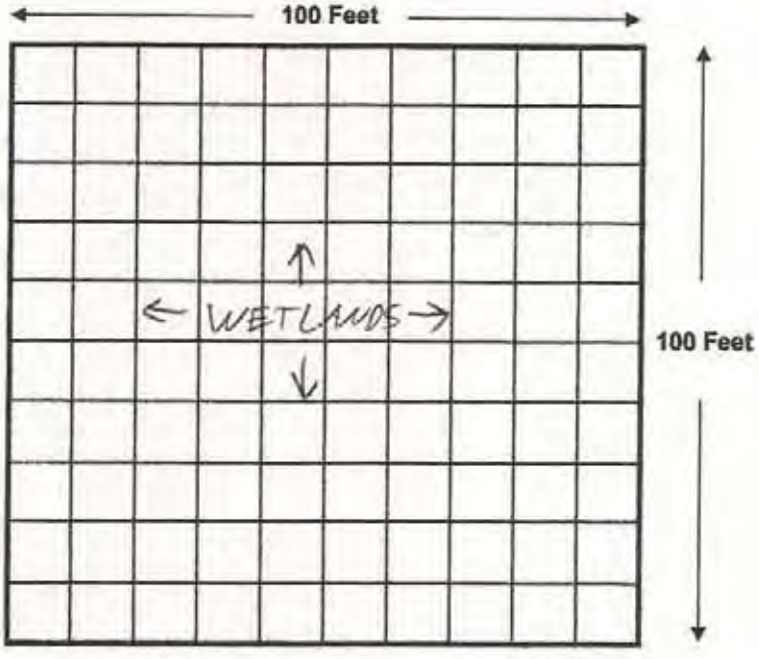
UXO Grid Clearance Form

Grid Number: D028 | Date Started: 15 APRIL

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 09 | UXO Remediation Completion Date: _____

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

				Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
				0
				Total #
■ Date:_____	Surface contacts:_____			_____
■ Date:_____	Surface contacts:_____			_____
■ Date:_____	Surface contacts:_____			_____
				_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) **Team Leader Signature:** [signature] **Date:** 22 APR '09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

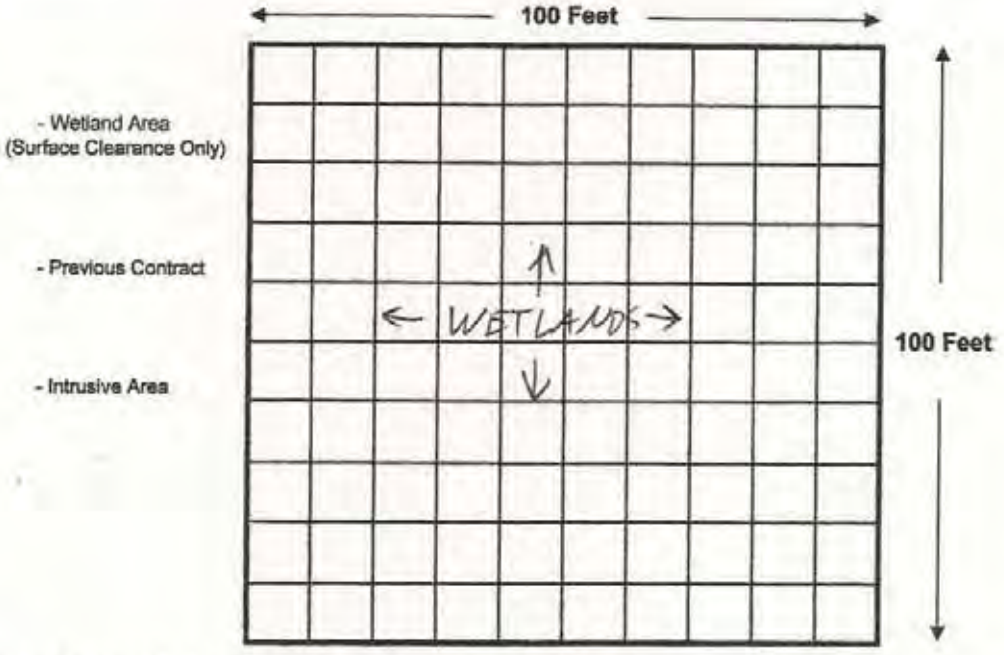
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D029 | Date Started 15 APRIL

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____

		Total #
■ Date:_____	Surface contacts:_____	_____
■ Date:_____	Surface contacts:_____	_____
■ Date:_____	Surface contacts:_____	_____
		_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 22 APR 2009

SUXOS Signature: [signature] Date 4/25/09

UXOQCS Signature: [signature] Date 4/30/09

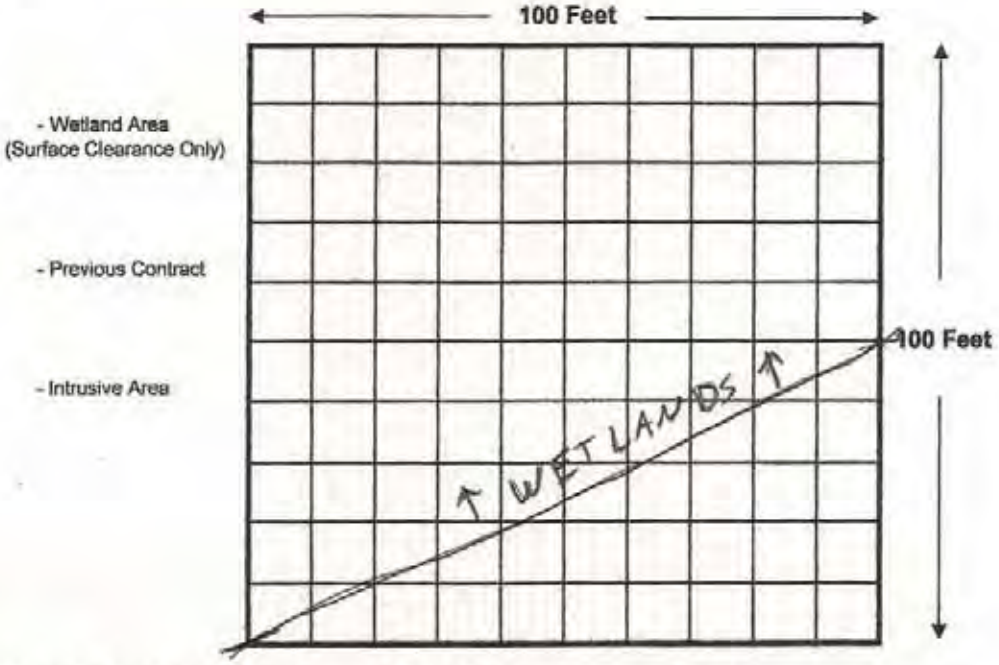
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D030 Date Started 15 APRIL 2009

Task: Surface Clearance Only Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR '09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 15 APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 200 Lbs.		200
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
					200
					Total #

■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 22 APR '09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

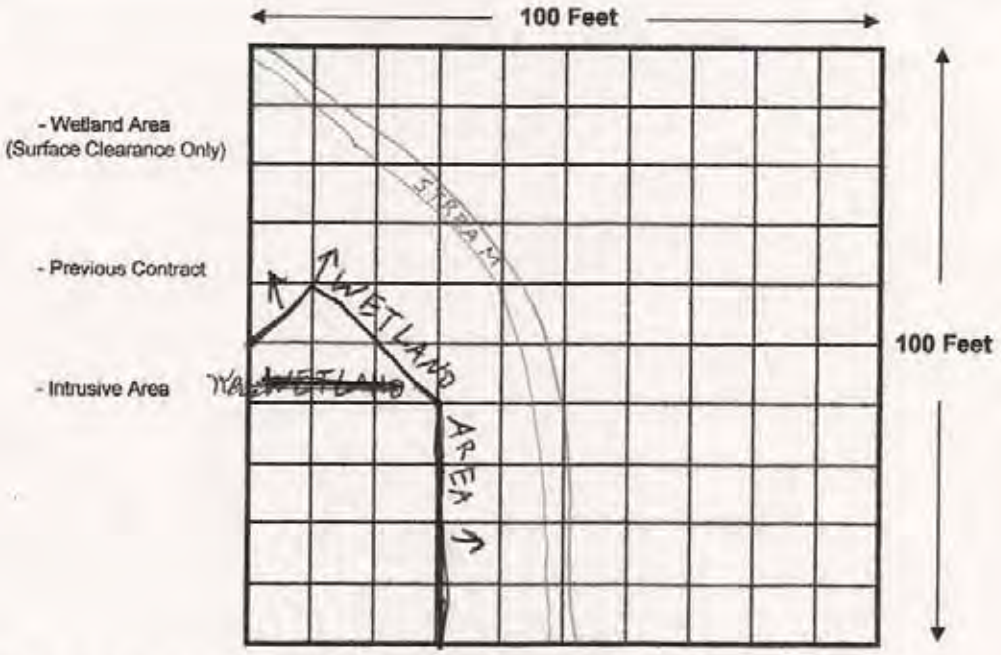
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D031 | Date Started 15 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21APR09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
					0
					Total #
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) **Team Leader Signature:** [signature] **Date:** 21 APR '09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: _____ Date _____

Tetra-Tech, ECI

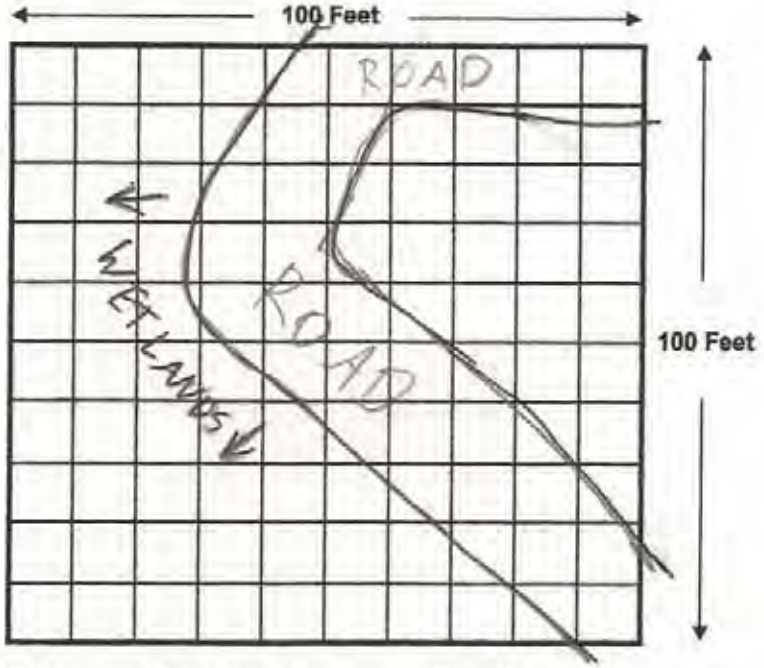
UXO Grid Clearance Form

Grid Number: DØ32 Date Started: 15 APRIL 2009

Task: Surface Clearance Only Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21APR09 | UXO Remediation Completion Date: _____

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
					Ø
					Total #
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____

UXO Located (mark with #): Y / N Type:_____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 22 APR '09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

Tetra-Tech, ECI

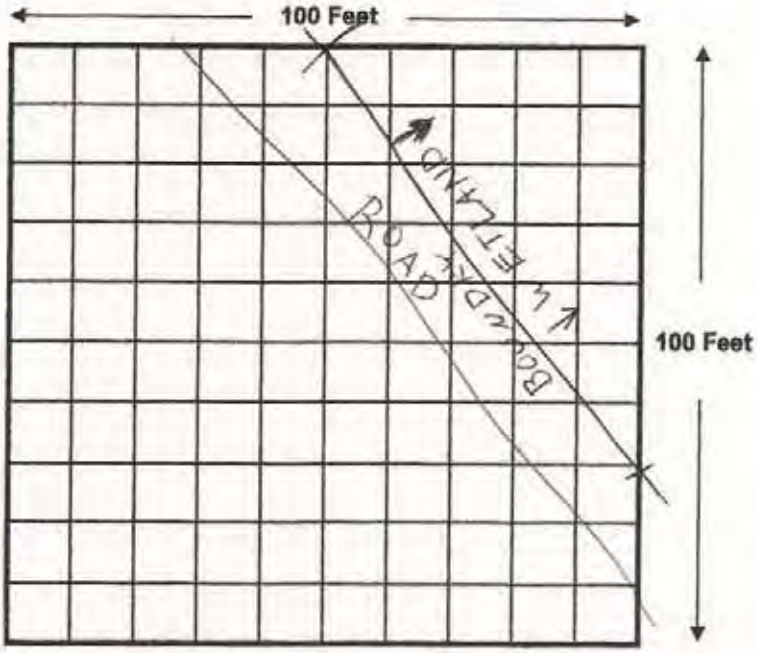
UXO Grid Clearance Form

Grid Number D038 | Date Started 14 APR 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 09 | UXO Remediation Completion Date _____

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

				Total Lbs.
■ Date: ~~15 APR~~ XB2	Scrap: MD ~~1000~~ XB2 Lbs.	Target Material: _____ Lbs.	CD: ~~500~~ XB2 Lbs.	~~1540~~ XB2
■ Date: 14 APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 10 Lbs.	10
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	
				~~1500~~ XB2
				Total # 19

■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: ~~CONCRETE DUMPS 1000 Lbs MD~~ XB2

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

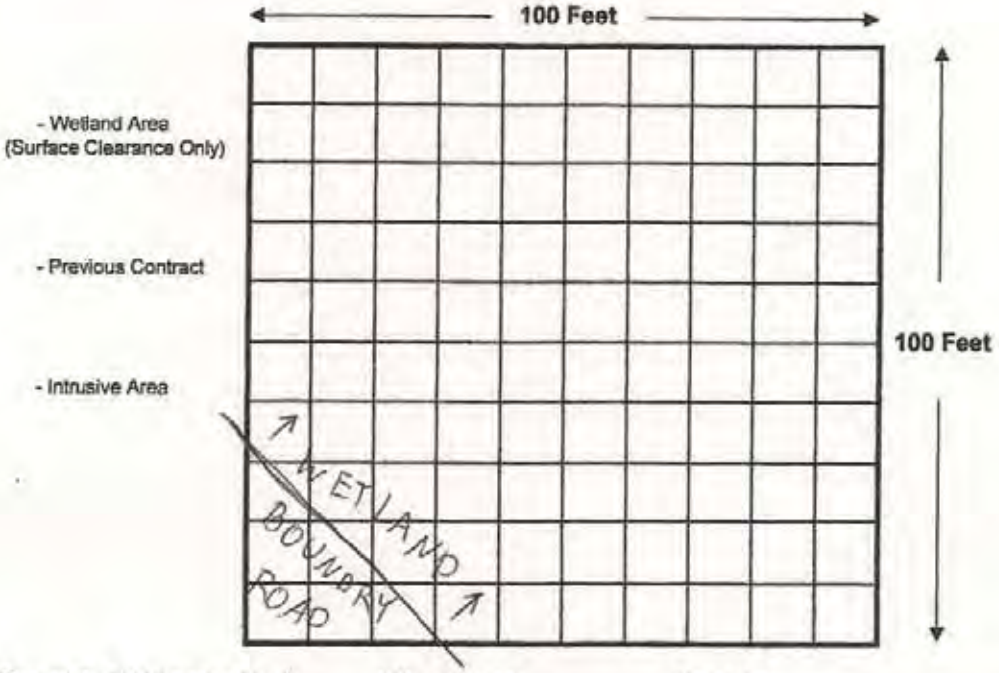
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D039 | Date Started 14APR2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21APR'09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

				Total Lbs.
■ Date: 14 APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 40 Lbs.	40
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	
				40
				Total #

■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 22APR'09

SUXOS Signature: [signature] Date: 4/23/09

UXOQCS Signature: [signature] Date: 30 Apr 09

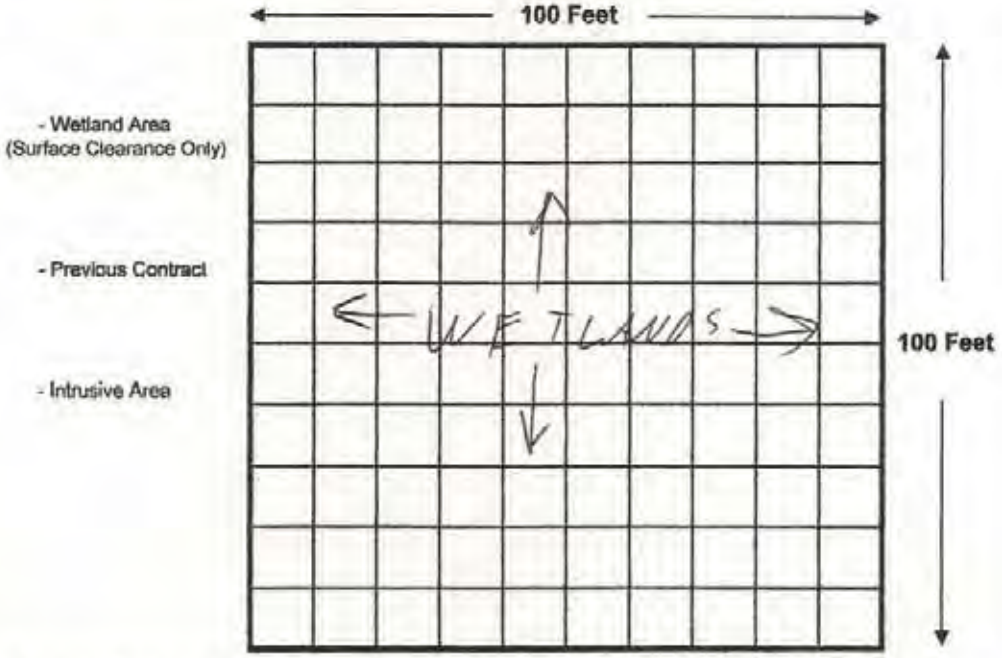
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D040 | Date Started 14 APR 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR '09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) ____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD ____ Lbs.	Target Material: ____ Lbs.	CD: ____ Lbs.		
■ Date:_____	Scrap: MD ____ Lbs.	Target Material: ____ Lbs.	CD: ____ Lbs.		
■ Date:_____	Scrap: MD ____ Lbs.	Target Material: ____ Lbs.	CD: ____ Lbs.		

	Total #
■ Date:_____ Surface contacts:_____	
■ Date:_____ Surface contacts:_____	
■ Date:_____ Surface contacts:_____	

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** _____ **Date:** 22 APR 09

SUXOS Signature: _____ Date 4/23/09

UXOQCS Signature: _____ Date 30 Apr 09

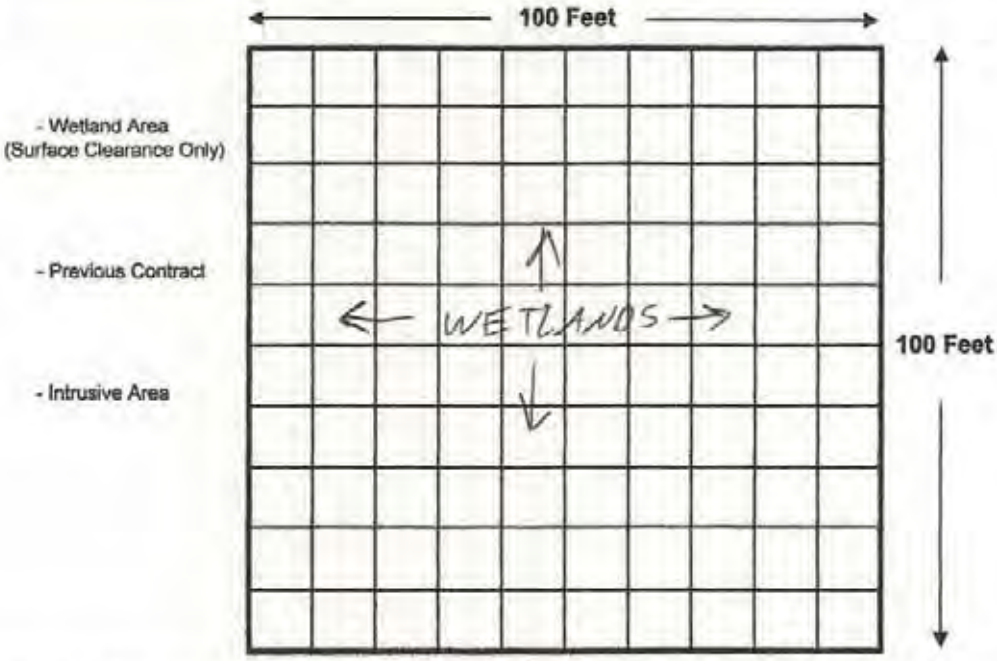
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: DØ41 Date Started: 14 APR 2009

Team: Surface Clearance Only Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR '09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
					0
					Total #

■ Date: _____ Surface contacts: _____ _____
■ Date: _____ Surface contacts: _____ _____
■ Date: _____ Surface contacts: _____ _____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** Team Leader Signature: [signature] Date: 23 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

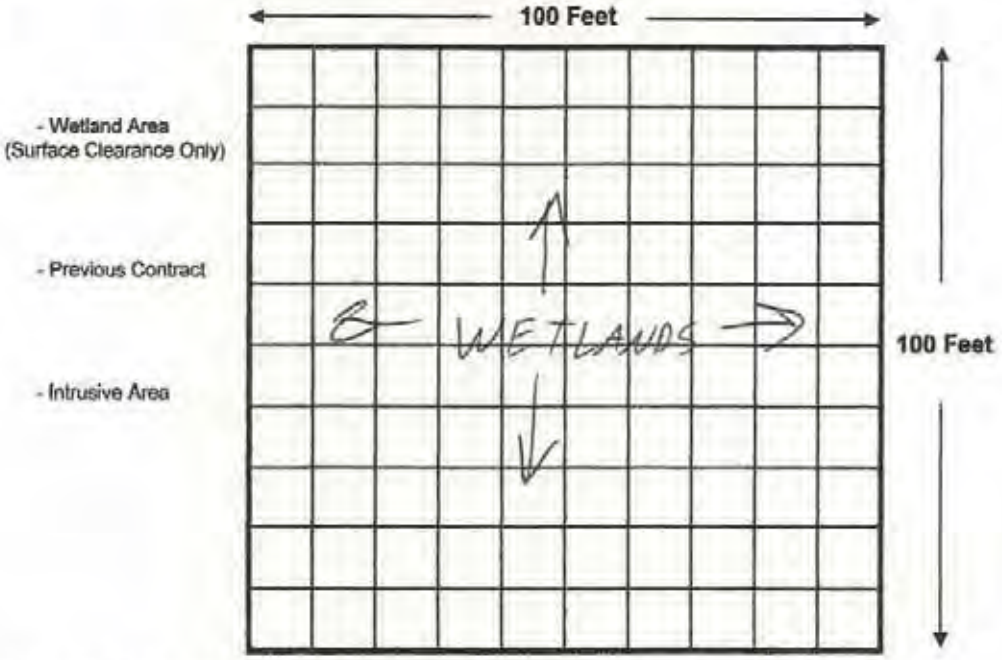
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: D042 | Date Started: 14 APR 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
					0
					Total #

■ Date:_____ Surface contacts:_____

■ Date:_____ Surface contacts:_____

■ Date:_____ Surface contacts:_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 22 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

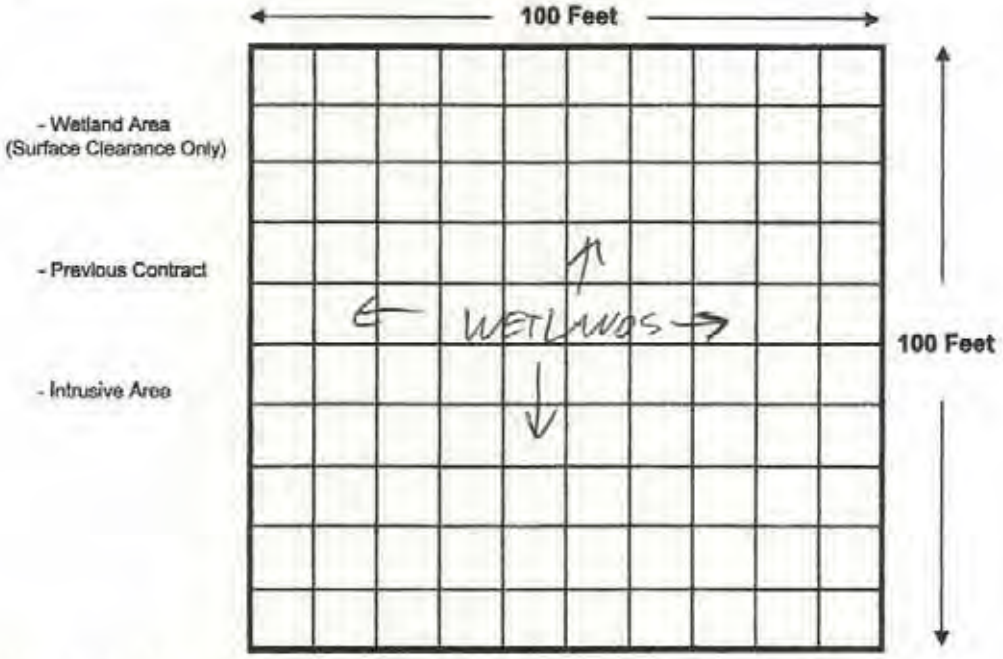
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: D043 Date Started: 15 APR 2009

Task: Surface Clearance Only Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 09 | UXO Remediation Completion Date: _____



Target in Grid (mark with ø) _____ / Type Target _____ Remarks _____

				Total Lbs.
■ Date: 14 APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 10 Lbs.	10
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	
				10 Total #

■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 22 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

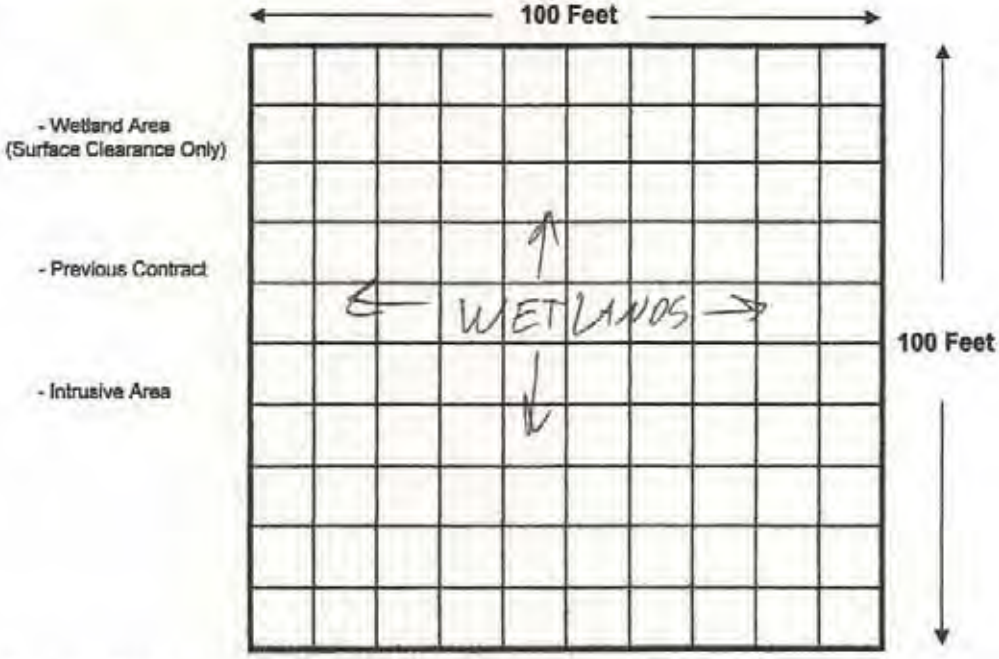
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: D044 | Date Started: 15 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 15AP	Scrap: MD ~~50~~ Lbs.	Target Material: _____ Lbs.	CD: ~~100~~ 150 Lbs.		150
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					150
					Total #

■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: CONCRETE BOMBS

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 22 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

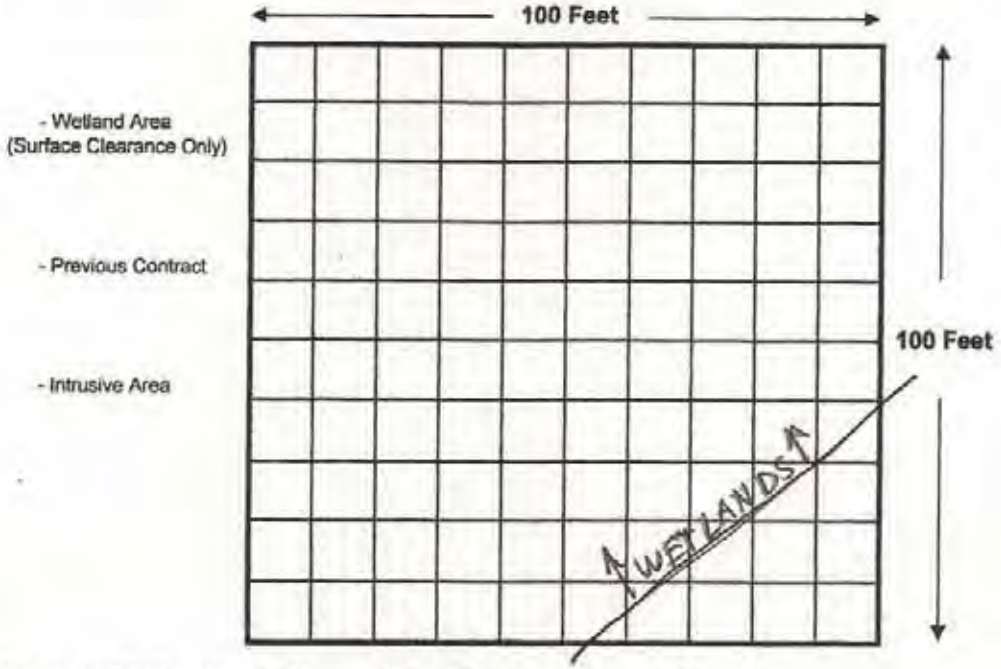
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D045 | Date Started 15 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

				Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
				0
				Total #
■ Date:_____	Surface contacts:_____			_____
■ Date:_____	Surface contacts:_____			_____
■ Date:_____	Surface contacts:_____			_____
				_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 22 APR '09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

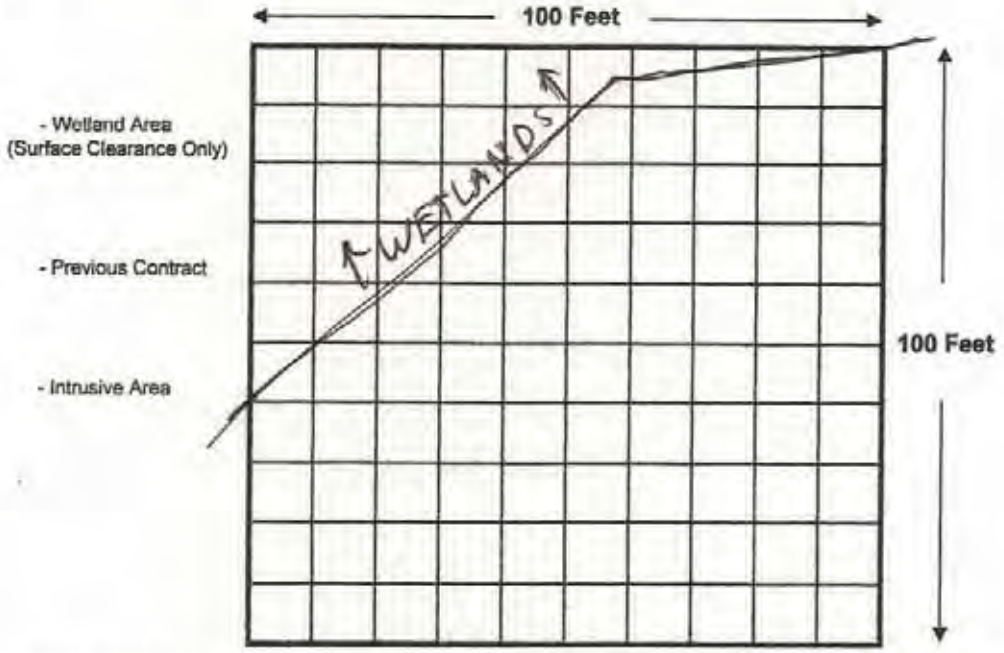
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: D046 | Date Started: 15 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

				Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
				0
				Total #

■ Date:_____	Surface contacts:_____	_____
■ Date:_____	Surface contacts:_____	_____
■ Date:_____	Surface contacts:_____	_____
		_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** Team Leader Signature: [signature] Date: 22 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

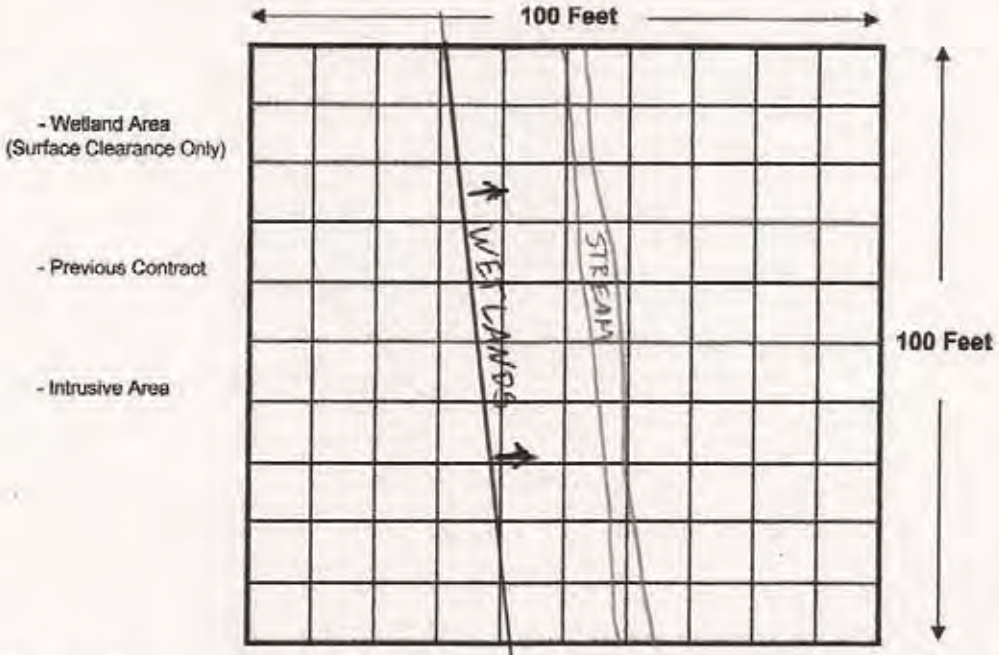
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D048 | Date Started 15 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
					0
					Total #
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 22 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: _____ Date _____

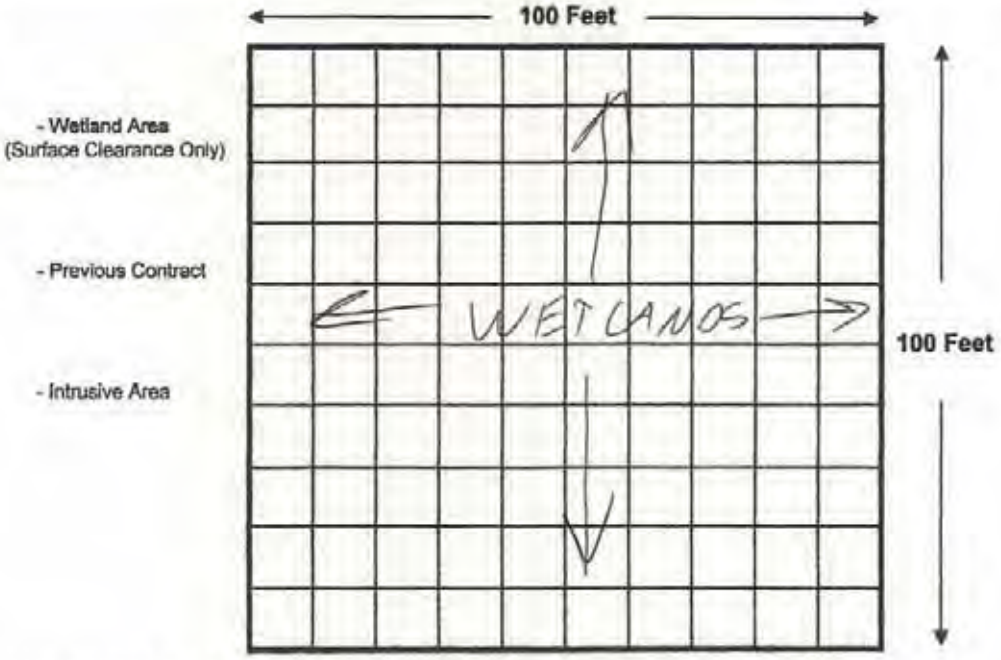
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D049 | Date Started 15 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 50 Lbs.		50
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					50
					Total #
■ Date:_____	Surface contacts:_____				
■ Date:_____	Surface contacts:_____				
■ Date:_____	Surface contacts:_____				

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** Team Leader Signature: [signature] Date: 22 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

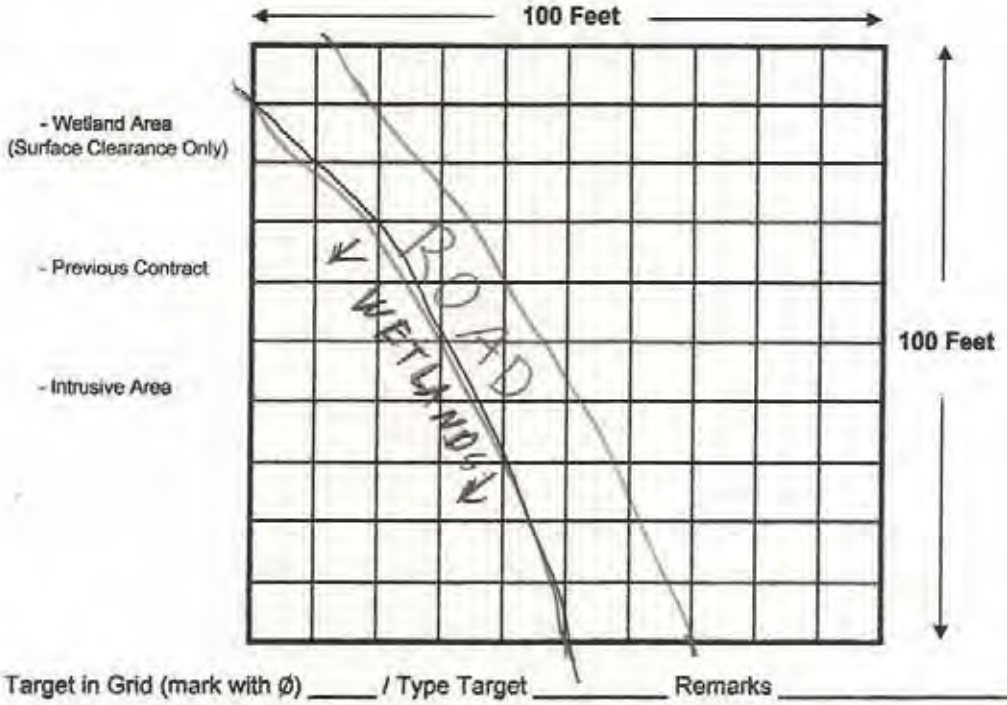
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: D050 | Date Started: 15 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
					Ø
					Total #
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____
					_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 22 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

Tetra-Tech, ECI

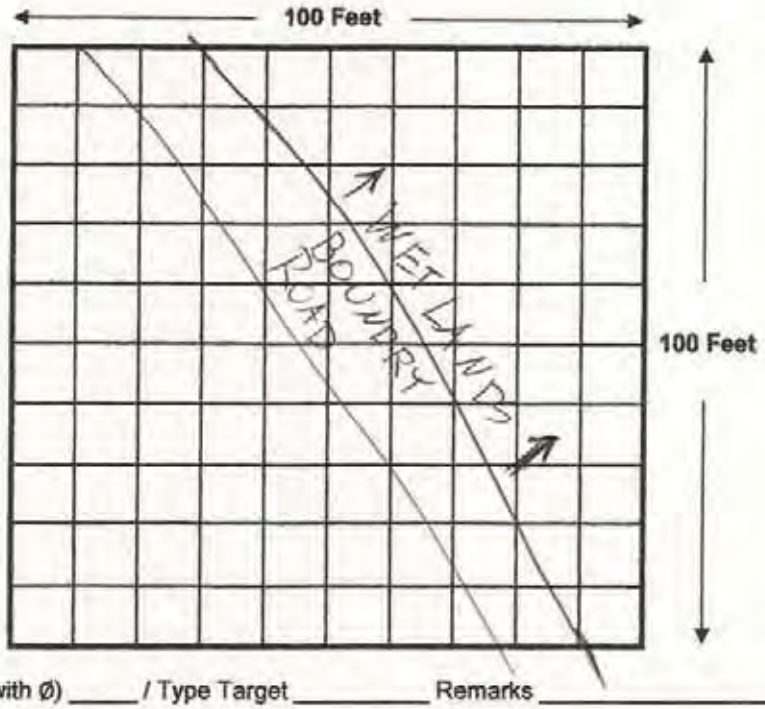
UXO Grid Clearance Form

Grid Number D055 | Date Started 14 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR '09 | UXO Remediation Completion Date _____

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____

		Total #
■ Date:_____	Surface contacts:_____	_____
■ Date:_____	Surface contacts:_____	_____
■ Date:_____	Surface contacts:_____	_____
		_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR '09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

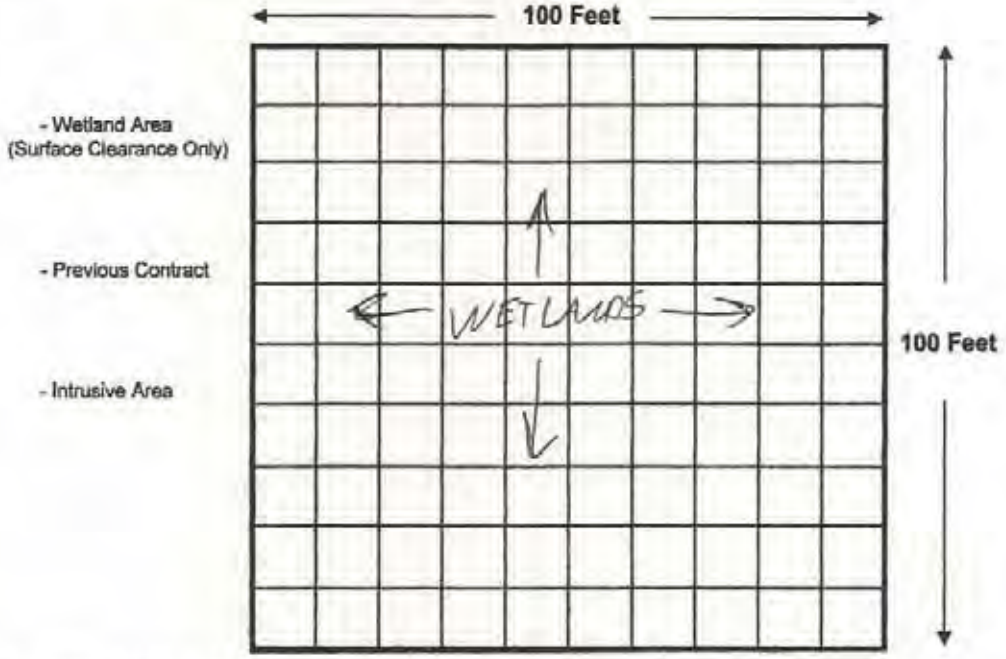
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: D056 | Date Started: 14 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR '09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 15 APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 100 Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		

		Total #
■ Date: _____	Surface contacts: _____	
■ Date: _____	Surface contacts: _____	
■ Date: _____	Surface contacts: _____	

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

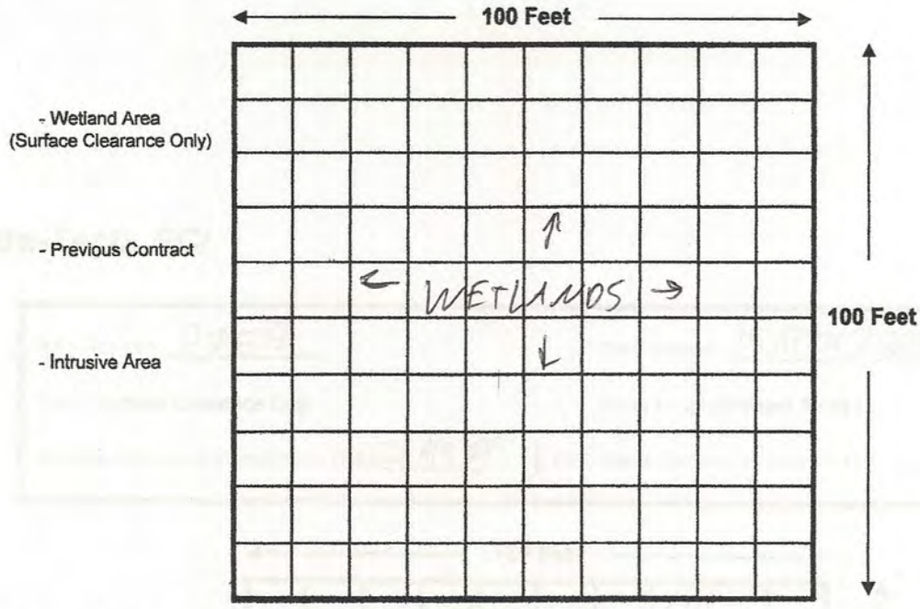
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D057 | Date Started 14 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 15 APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 400 Lbs.		400
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					400
					Total #

■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

Ft. McClellan 'Charlie Area Remediation Anniston, AL

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

Ft. McClellan 'Charlie Area Remediation Anniston, AL

Tetra-Tech, ECI

UXO Grid Clearance Form

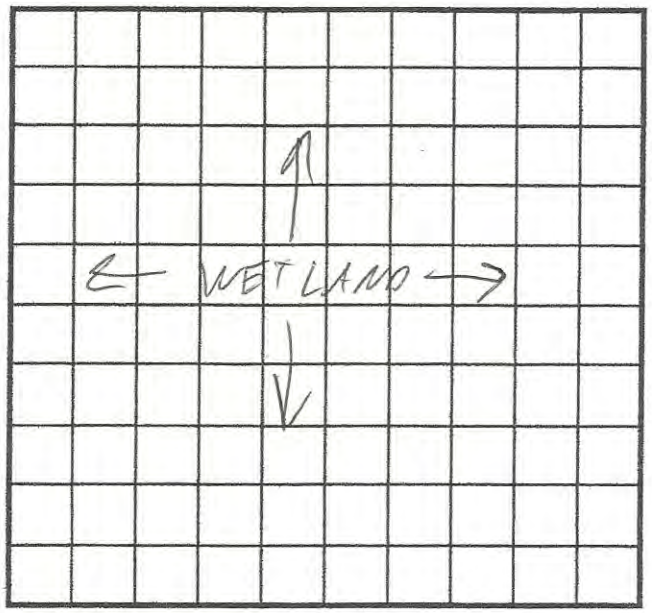
Grid Number D058 | Date Started 15 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR '09 | UXO Remediation Completion Date _____

100 Feet

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



100 Feet

Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 15 APR	Scrap: MD ~~300~~ KGW Lbs.	Target Material: _____ Lbs.	CD: ~~300~~ 500 Lbs.		500
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					500
					Total #
■ Date: _____	Surface contacts: _____				
■ Date: _____	Surface contacts: _____				
■ Date: _____	Surface contacts: _____				

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: CONCRETE BOMBS

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

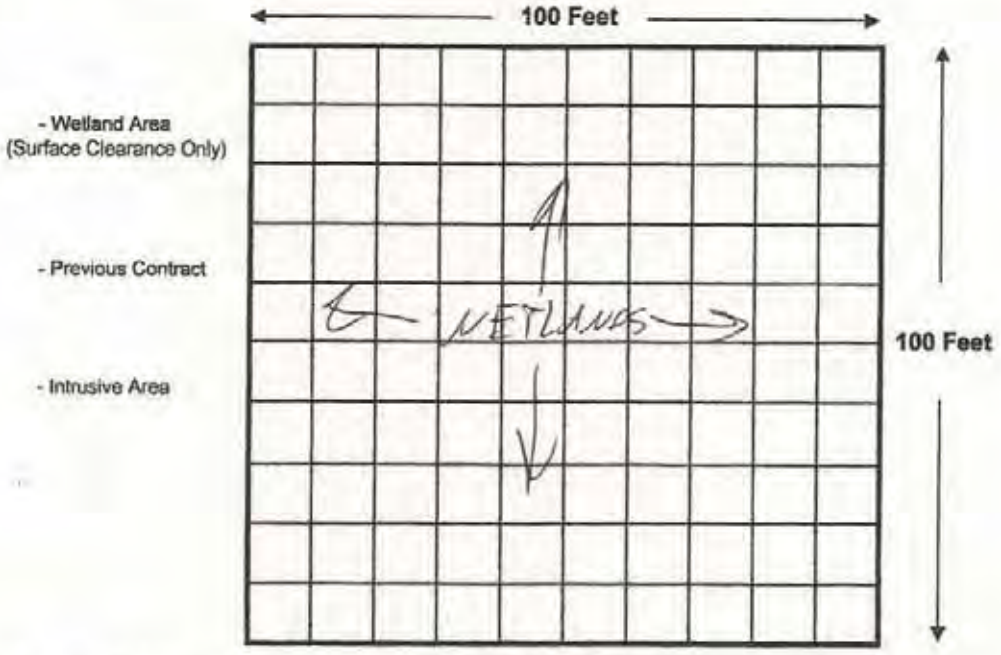
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D059 | Date Started 15 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APRIL '09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

				Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____

		Total #
■ Date:_____	Surface contacts:_____	_____
■ Date:_____	Surface contacts:_____	_____
■ Date:_____	Surface contacts:_____	_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APRIL '09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

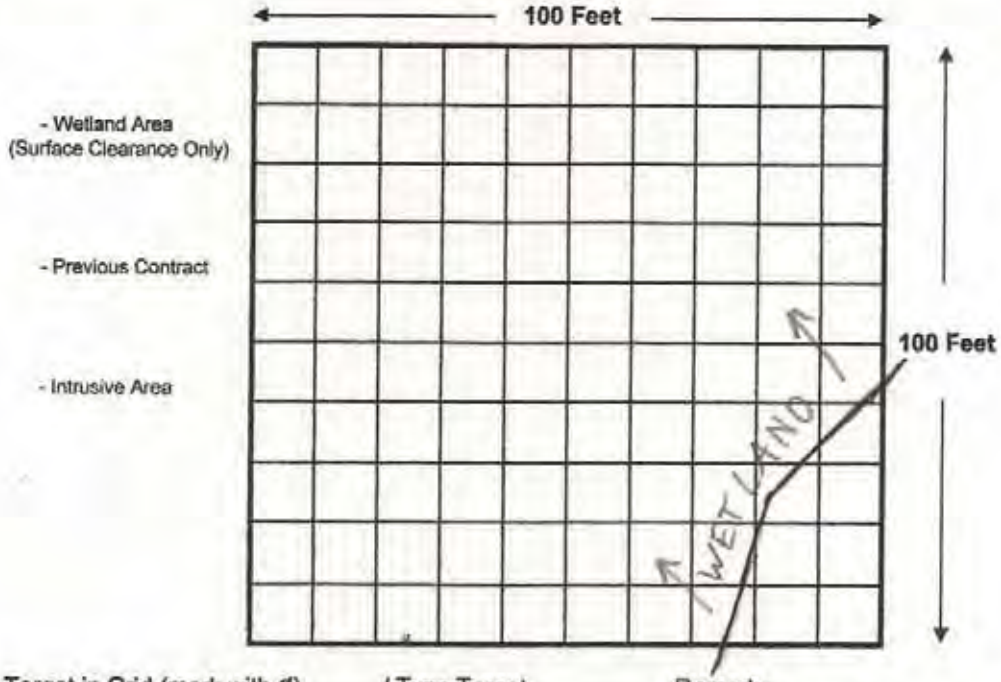
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D060 | Date Started 15 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR '09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 15 APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 300 Lbs.		300
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					300
					Total #
■ Date: _____	Surface contacts: _____				
■ Date: _____	Surface contacts: _____				
■ Date: _____	Surface contacts: _____				

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

Tetra-Tech, ECI

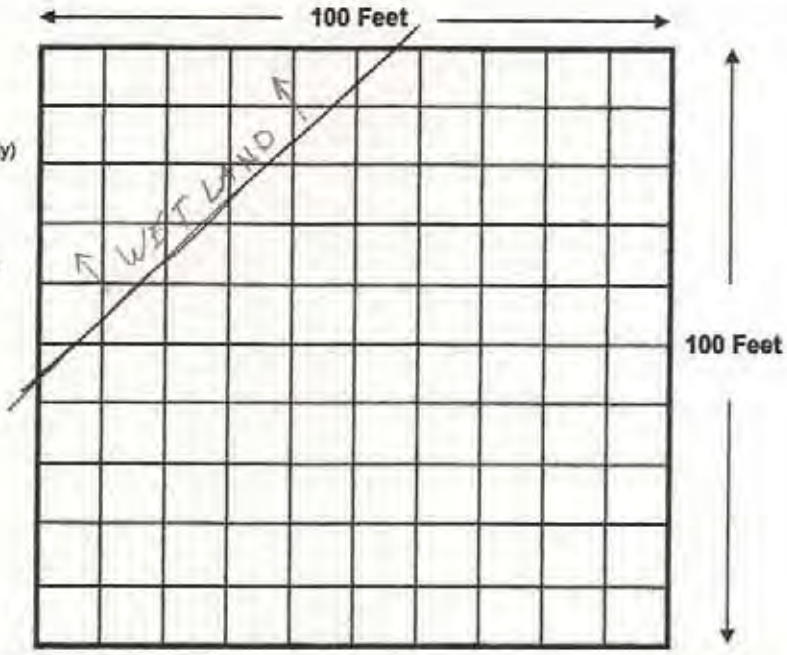
UXO Grid Clearance Form

Grid Number D061 | Date Started 15 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR '09 | UXO Remediation Completion Date _____

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

				Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
				Ø
				Total #
■ Date:_____	Surface contacts:_____			_____
■ Date:_____	Surface contacts:_____			_____
■ Date:_____	Surface contacts:_____			_____
				_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

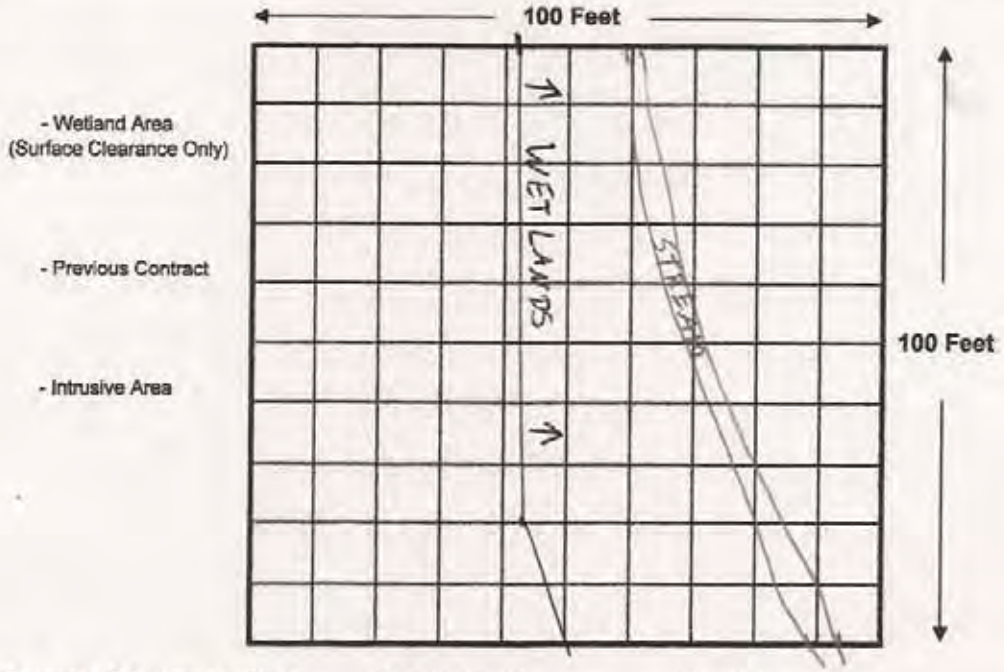
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D064 | Date Started 15 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 2009 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

						Total Lbs.
■ Date: 15 APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 100 Lbs.			100
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.			
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.			
						100
						Total #
■ Date: _____	Surface contacts: _____					
■ Date: _____	Surface contacts: _____					
■ Date: _____	Surface contacts: _____					

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR '09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: _____ Date _____

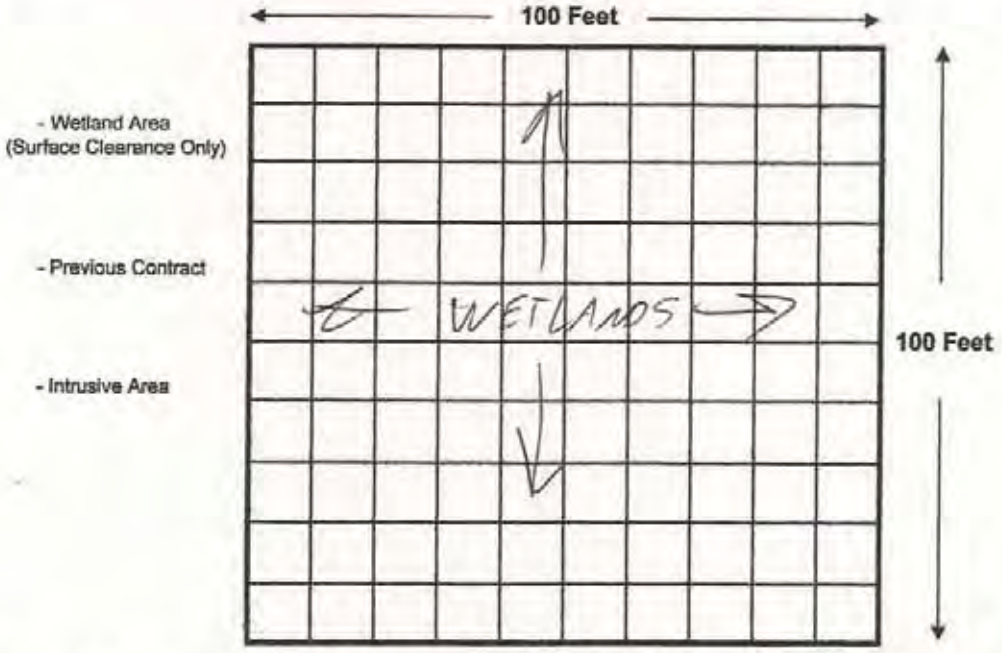
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: D065 Date Started: 15 APRIL 2009

Task: Surface Clearance Only Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 15 APR 09	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 80 Lbs.		80
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					80
					Total #
■ Date: _____	Surface contacts: _____				
■ Date: _____	Surface contacts: _____				
■ Date: _____	Surface contacts: _____				

UXO Located (mark with Ø): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR 2009

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

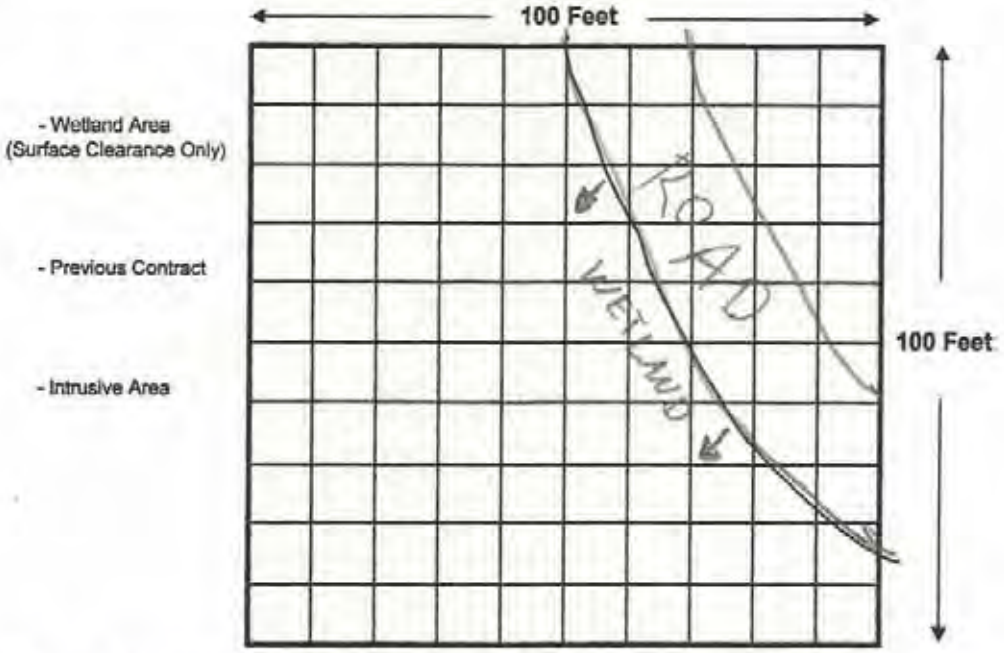
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: D066 | Date Started: 15 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 15 APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 50 Lbs.		50
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					50
					Total #

■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

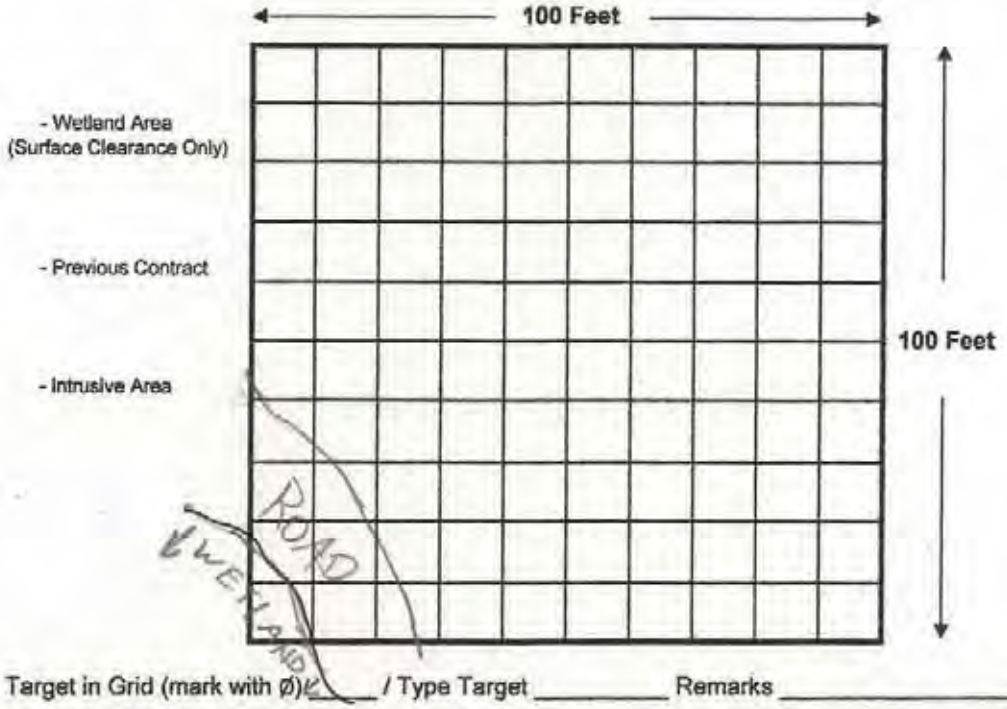
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D067 Date Started 15 APRIL 2009

Task: Surface Clearance Only Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) ✓ / Type Target _____ Remarks _____

								Total Lbs.
■ Date:	Scrap: MD	Lbs.	Target Material:	Lbs.	CD:	Lbs.		
■ Date:	Scrap: MD	Lbs.	Target Material:	Lbs.	CD:	Lbs.		
■ Date:	Scrap: MD	Lbs.	Target Material:	Lbs.	CD:	Lbs.		
								Ø
								Total #
■ Date:	Surface contacts:							
■ Date:	Surface contacts:							
■ Date:	Surface contacts:							

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

Tetra-Tech, ECI

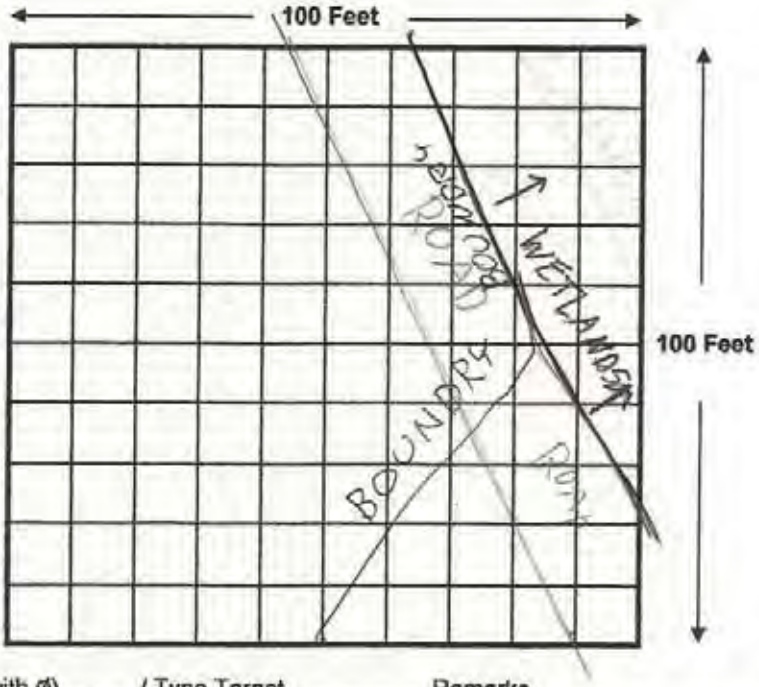
UXO Grid Clearance Form

Grid Number D072 | Date Started 15 APRIL 2009

Track: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 09 | UXO Remediation Completion Date _____

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____

		Total #
■ Date:_____	Surface contacts:_____	_____
■ Date:_____	Surface contacts:_____	_____
■ Date:_____	Surface contacts:_____	_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) **Team Leader Signature:** [signature] **Date:** 21 APR Ø9

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

Tetra-Tech, ECI

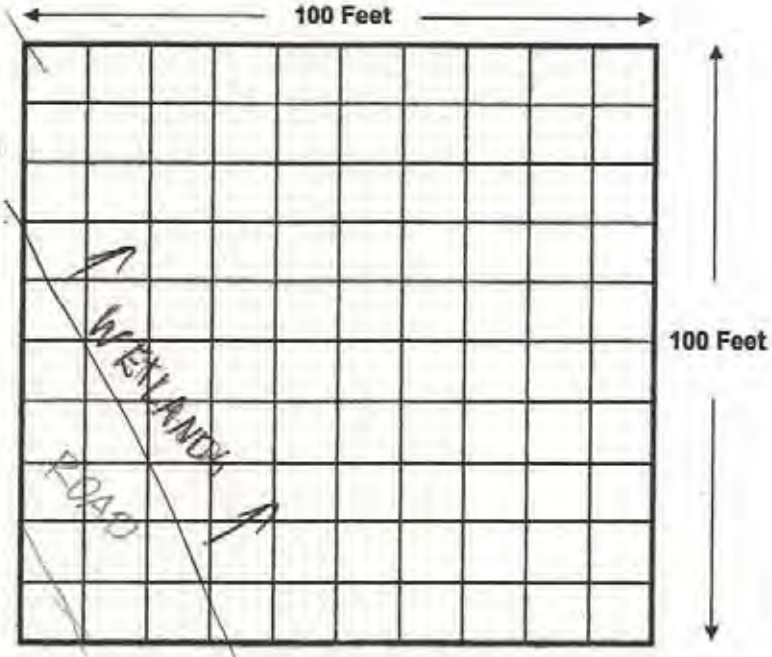
UXO Grid Clearance Form

Grid Number: D073 | Date Started: 15 APRIL 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 09 | UXO Remediation Completion Date: _____

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 15 APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 20 Lbs.		20
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					20
					Total #

■ Date: _____	Surface contacts: _____	
■ Date: _____	Surface contacts: _____	
■ Date: _____	Surface contacts: _____	

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

Tetra-Tech, ECI

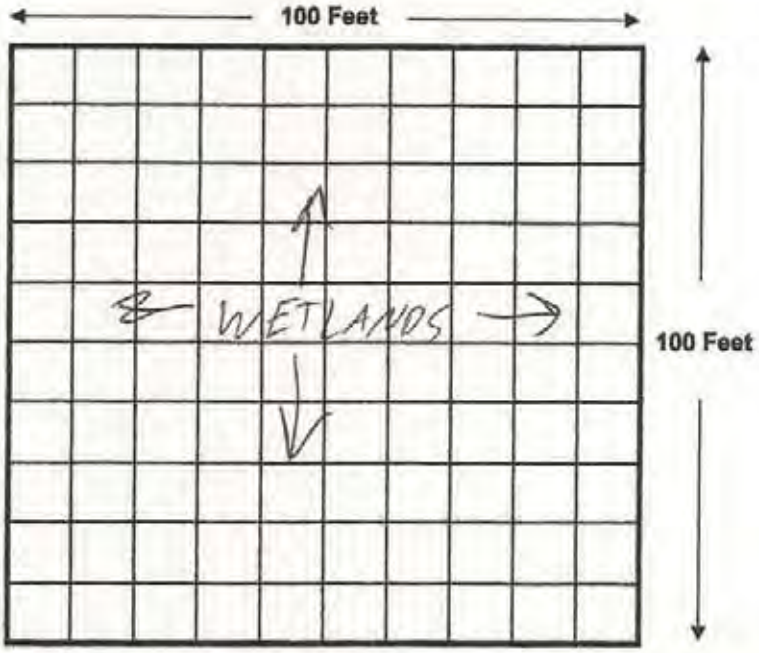
UXO Grid Clearance Form

Grid Number: D074 | Date Started: 15 APR 09

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 09 | UXO Remediation Completion Date: _____

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
					0
					Total #
■ Date: _____	Surface contacts: _____				_____
■ Date: _____	Surface contacts: _____				_____
■ Date: _____	Surface contacts: _____				_____
					_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

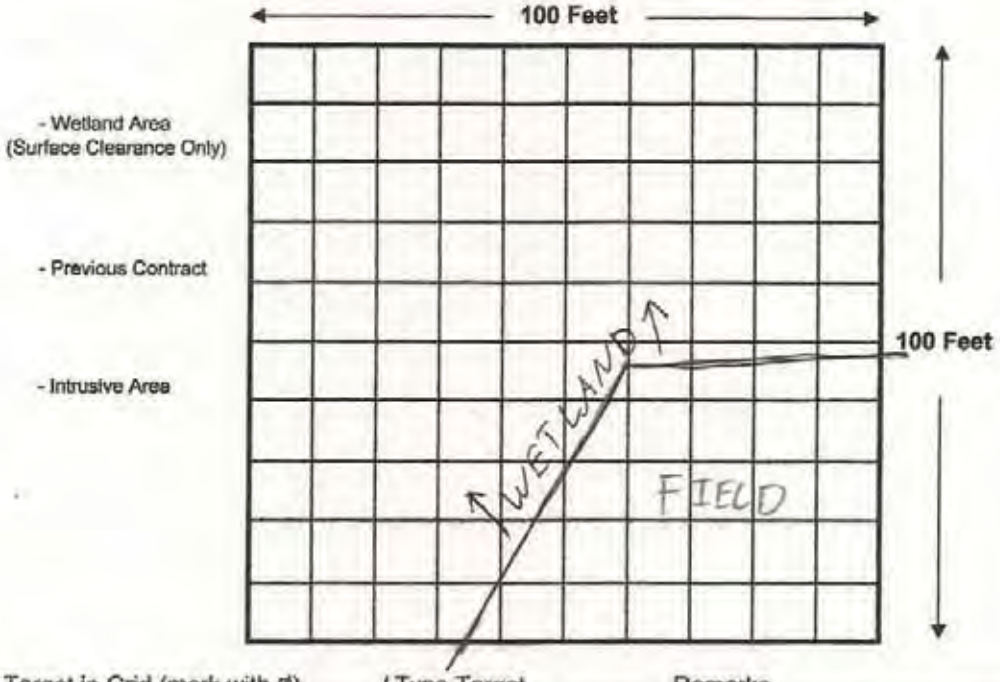
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: D075 | Date Started: 15 APR '09

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 2009 | UXO Remediation Completion Date: _____



Target in Grid (mark with ∅) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 15 APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 200 Lbs.		200
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					200
					Total #

■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature: [signature] Date 4/25/09

UXOQCS Signature: [signature] Date 30 Apr 09

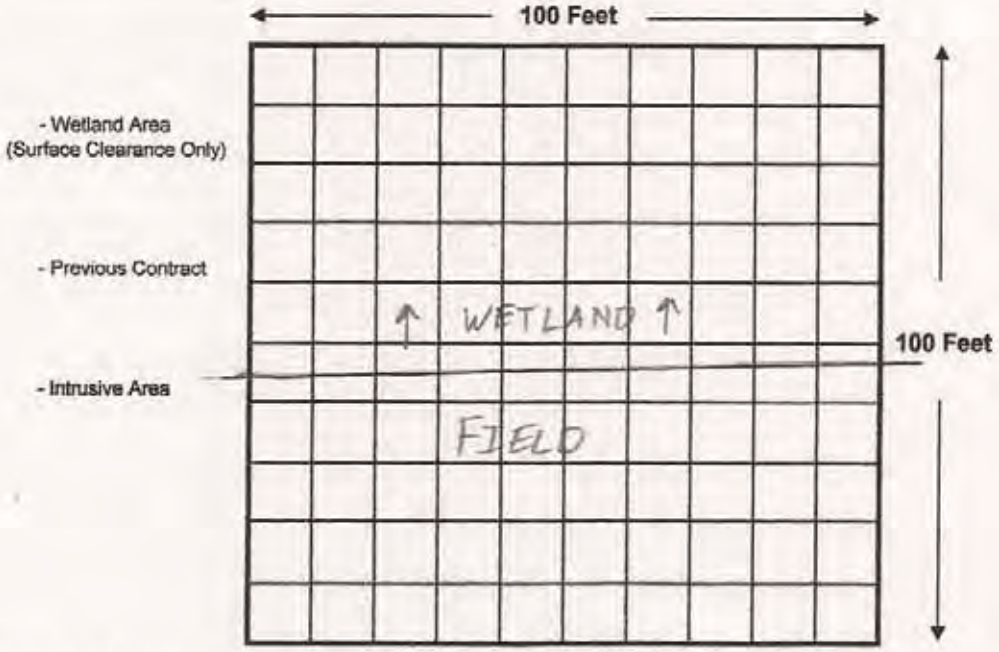
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D076 Date Started 15 APR '09

Task: Surface Clearance Only Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) ____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 15 APR	Scrap: MD ____ Lbs.	Target Material: ____ Lbs.	CD: 100 Lbs.		100
■ Date: ____	Scrap: MD ____ Lbs.	Target Material: ____ Lbs.	CD: ____ Lbs.		
■ Date: ____	Scrap: MD ____ Lbs.	Target Material: ____ Lbs.	CD: ____ Lbs.		
					100
					Total #

■ Date: ____ Surface contacts: _____
■ Date: ____ Surface contacts: _____
■ Date: ____ Surface contacts: _____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature: [signature] Date 4/25/09

UXOQCS Signature: [signature] Date 4/30/09

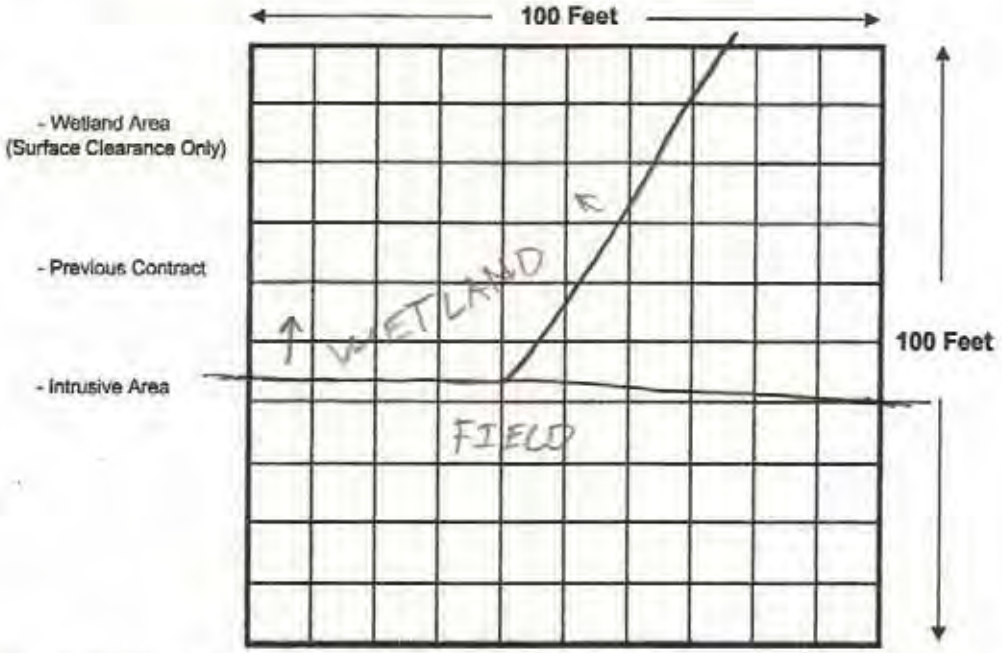
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: D077 | Date Started: 15 APR '09

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

				Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	_____
				Ø
				Total #
■ Date:_____	Surface contacts:_____			_____
■ Date:_____	Surface contacts:_____			_____
■ Date:_____	Surface contacts:_____			_____
				_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) **Team Leader Signature:** [signature] **Date:** 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

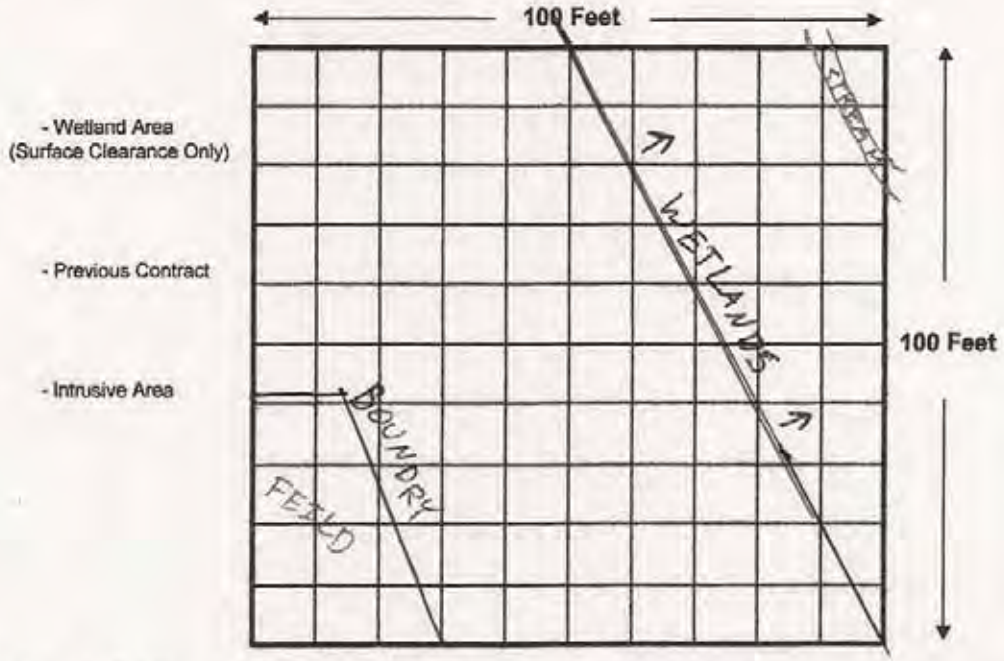
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D081 | Date Started 15 APR '09

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 15AM	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 100 Lbs.		100
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					100 Total #

■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: _____ Date _____

Tetra-Tech, ECI

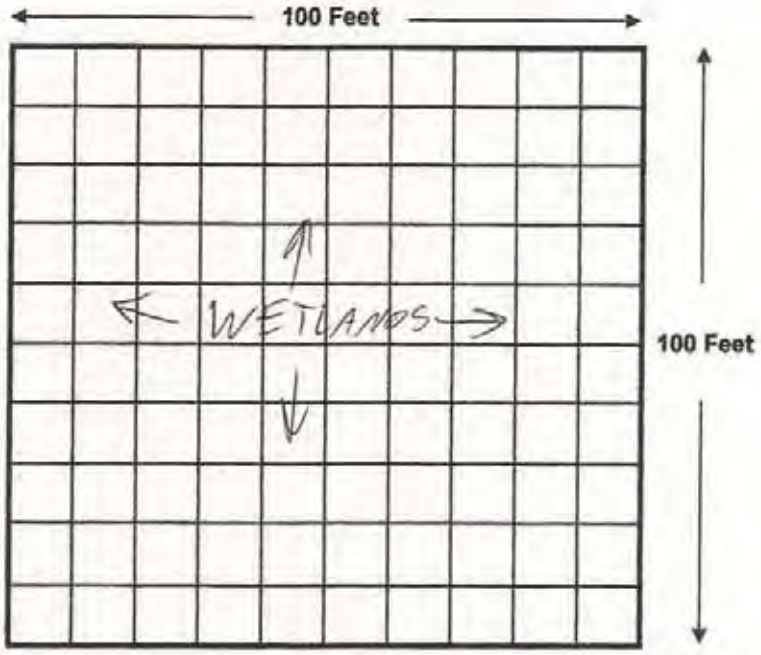
UXO Grid Clearance Form

Grid Number: D082 | Date Started: 15 APR '09

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR '09 | UXO Remediation Completion Date: _____

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____

		Total #
■ Date: _____	Surface contacts: _____	_____
■ Date: _____	Surface contacts: _____	_____
■ Date: _____	Surface contacts: _____	_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: _____ Date _____

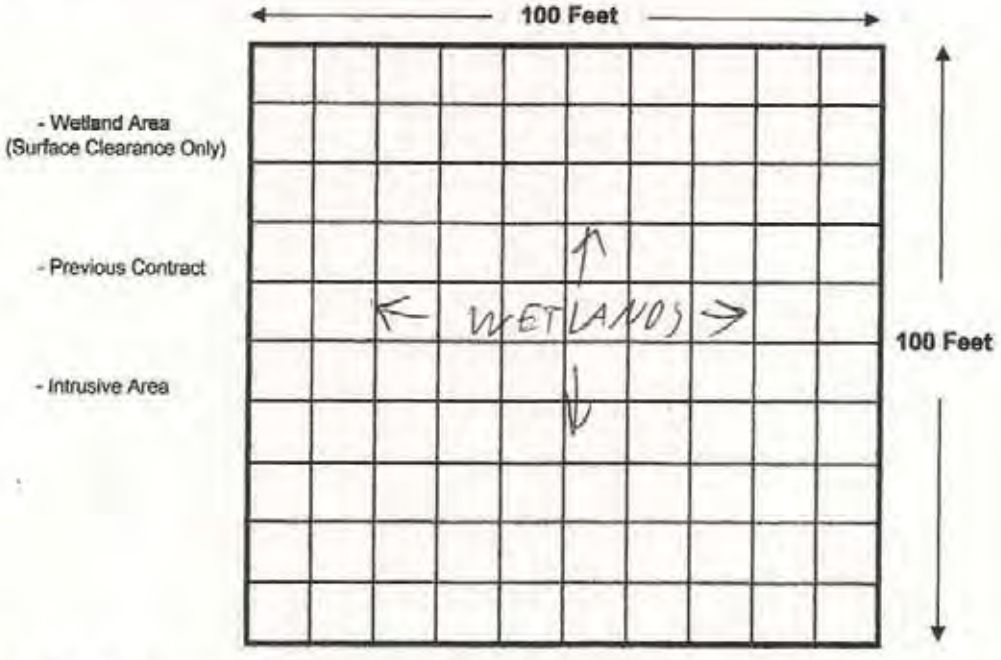
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D083 | Date Started 15 APR '09

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 15 APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 100 Lbs.		100
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					100
					Total #
■ Date: _____	Surface contacts: _____				
■ Date: _____	Surface contacts: _____				
■ Date: _____	Surface contacts: _____				

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/30/09

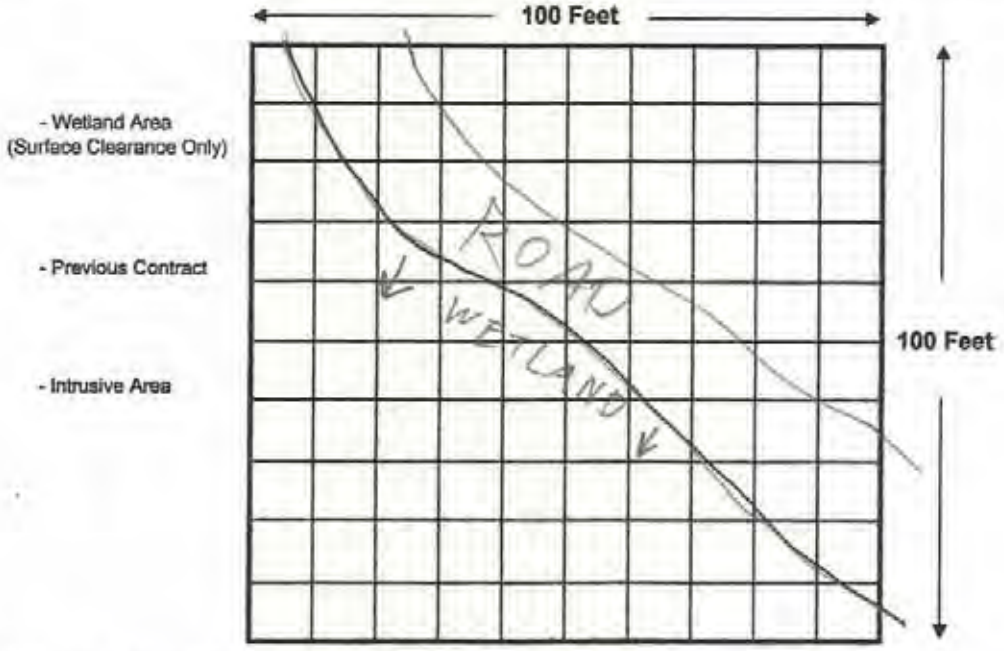
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: D084 | Date Started: 15 APR '09

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR '09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) ____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:	Scrap: MD ____ Lbs.	Target Material: ____ Lbs.	CD: 100 Lbs.		
■ Date:	Scrap: MD ____ Lbs.	Target Material: ____ Lbs.	CD: ____ Lbs.		
■ Date:	Scrap: MD ____ Lbs.	Target Material: ____ Lbs.	CD: ____ Lbs.		
					100
					Total #
■ Date:	Surface contacts:				
■ Date:	Surface contacts:				
■ Date:	Surface contacts:				

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 4/20/09

Tetra-Tech, ECI

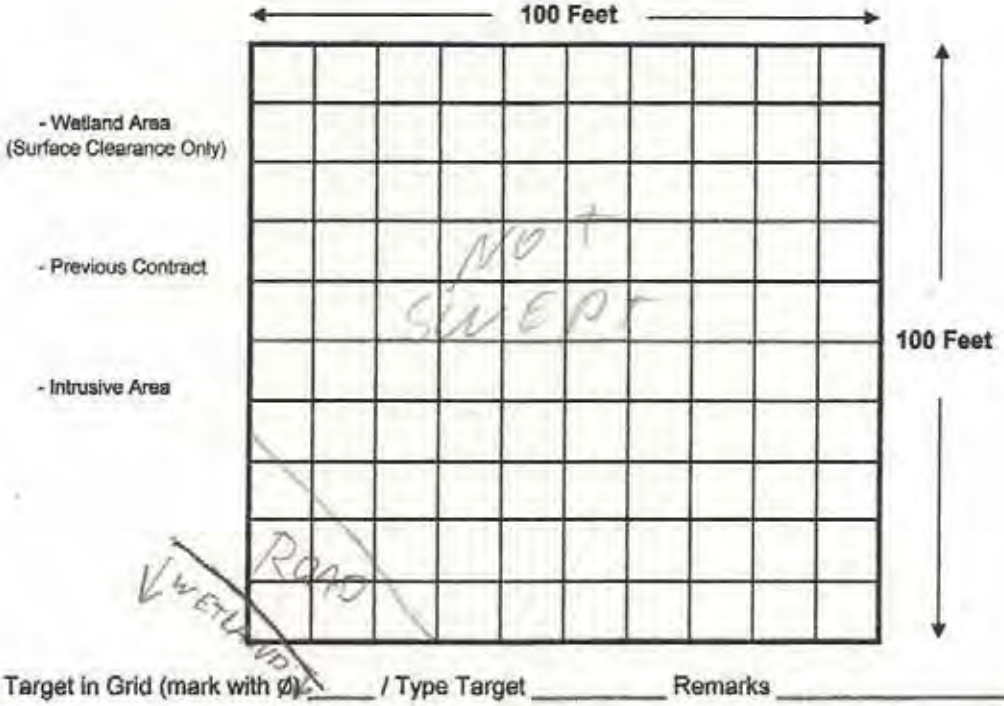
UXO Grid Clearance Form

Grid Number: D085 Date Started: 15 APR '09

Task: Surface Clearance Only Range: 24 (Wetland Area)

WETLAND AREA SURFACE CLEARANCE COMPLETE 21 APR 09

Surface Clearance Completion Date _____ | UXO Remediation Completion Date _____



Target in Grid (mark with Ø): ____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
					Ø
					Total #
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____
					_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** _____ **Date:** _____

SUXOS Signature: _____ Date 4/23/09

UXOQCS Signature: _____ Date 4/30/09

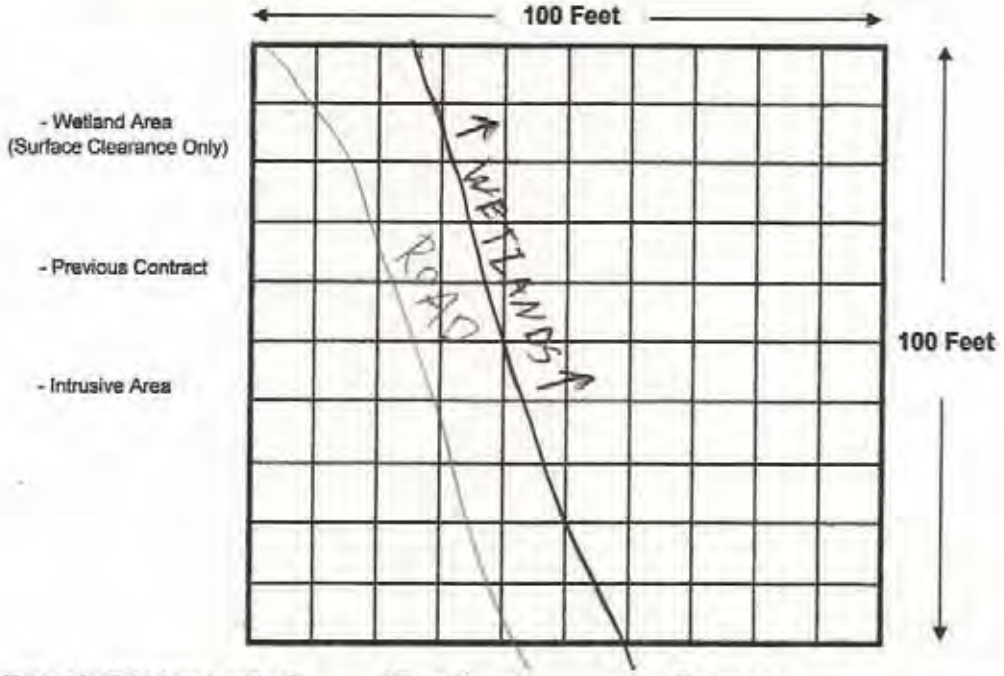
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: D093 | Date Started: 15 APR '09

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 15 APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 10 Lbs.		10
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					Total # 10

■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____
■ Date: _____ Surface contacts: _____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

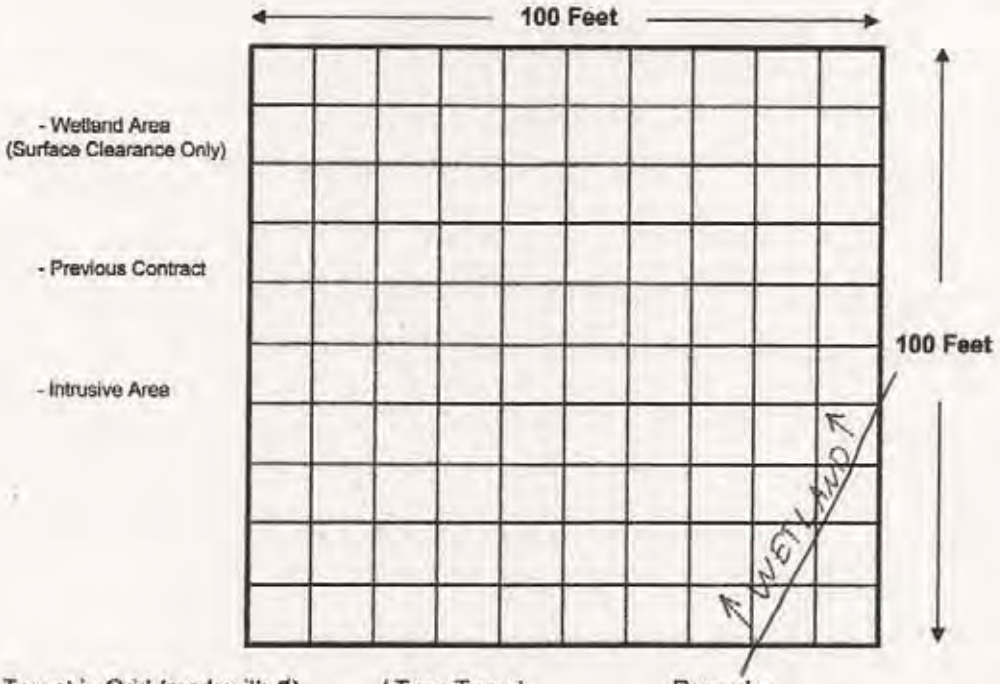
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D094 | Date Started 15 APR '09

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 540 Lbs.		540
■ Date:	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date:	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					540
					Total #
■ Date:	Surface contacts:				
■ Date:	Surface contacts:				
■ Date:	Surface contacts:				

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: CONCRETE BOMBS

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

Ft. McClellan 'Charlie Area Remediation Anniston, AL

Tetra-Tech, ECI

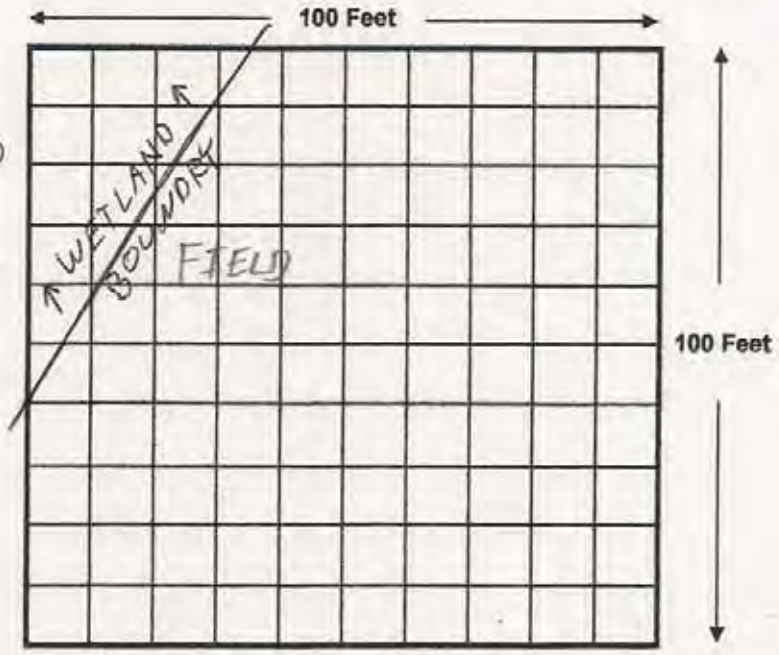
UXO Grid Clearance Form

Grid Number D095 | Date Started 15 APR '09

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 09 | UXO Remediation Completion Date _____

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
					0
					Total #
■ Date: _____	Surface contacts: _____				_____
■ Date: _____	Surface contacts: _____				_____
■ Date: _____	Surface contacts: _____				_____
					_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

Tetra-Tech, ECI

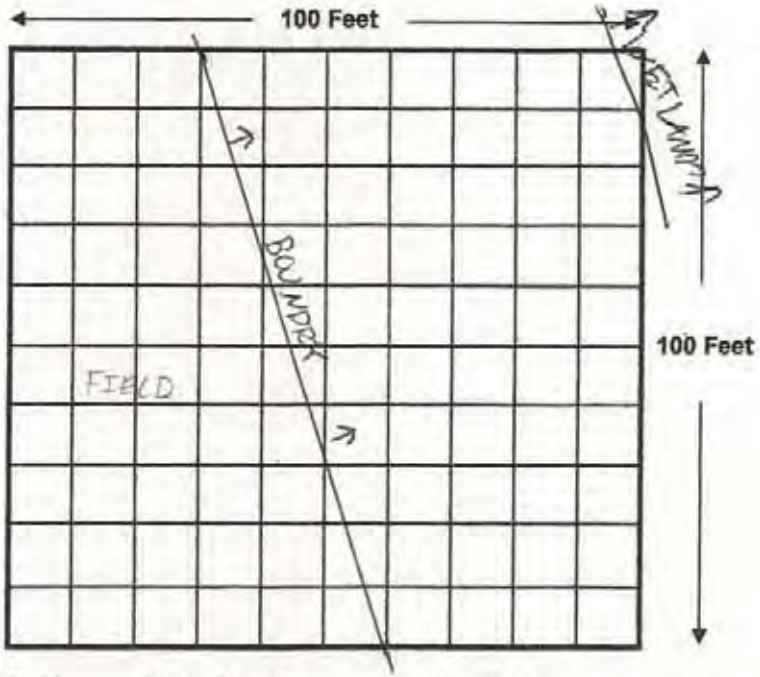
UXO Grid Clearance Form

Grid Number: D096 | Date Started: 15 APR '09

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 09 | UXO Remediation Completion Date: _____

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
					0
					Total #
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: _____ Date _____

Tetra-Tech, ECI

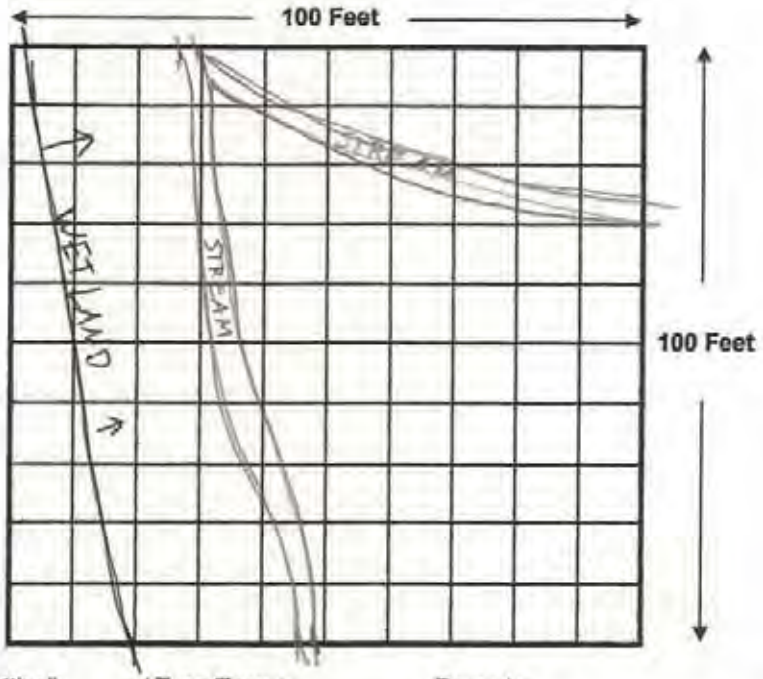
UXO Grid Clearance Form

Grid Number: D097 | Date Started: 15 APR '04

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR '04 | UXO Remediation Completion Date: _____

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
					Ø
					Total #
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____
■ Date:_____	Surface contacts:_____				_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR 04

SUXOS Signature: [signature] Date 4/23/04

UXOQCS Signature: _____ Date _____

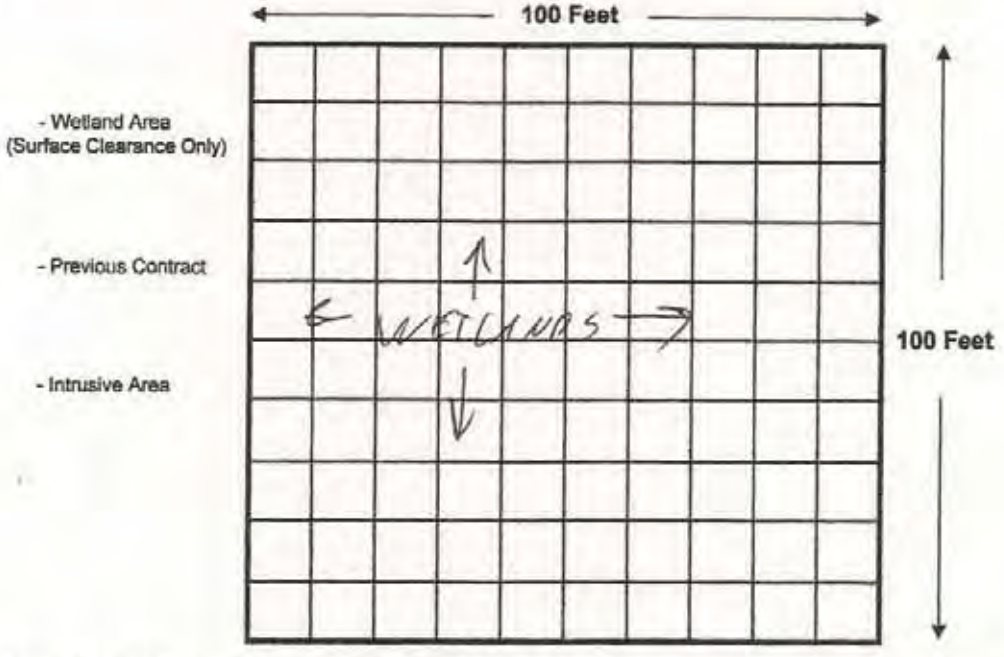
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D098 | Date Started 15 APR '09

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR '05 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 15 APR	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 100 Lbs.		100
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					100
					Total #
■ Date: _____	Surface contacts: _____				
■ Date: _____	Surface contacts: _____				
■ Date: _____	Surface contacts: _____				

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) **Team Leader Signature:** [signature] **Date:** 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: _____ Date _____

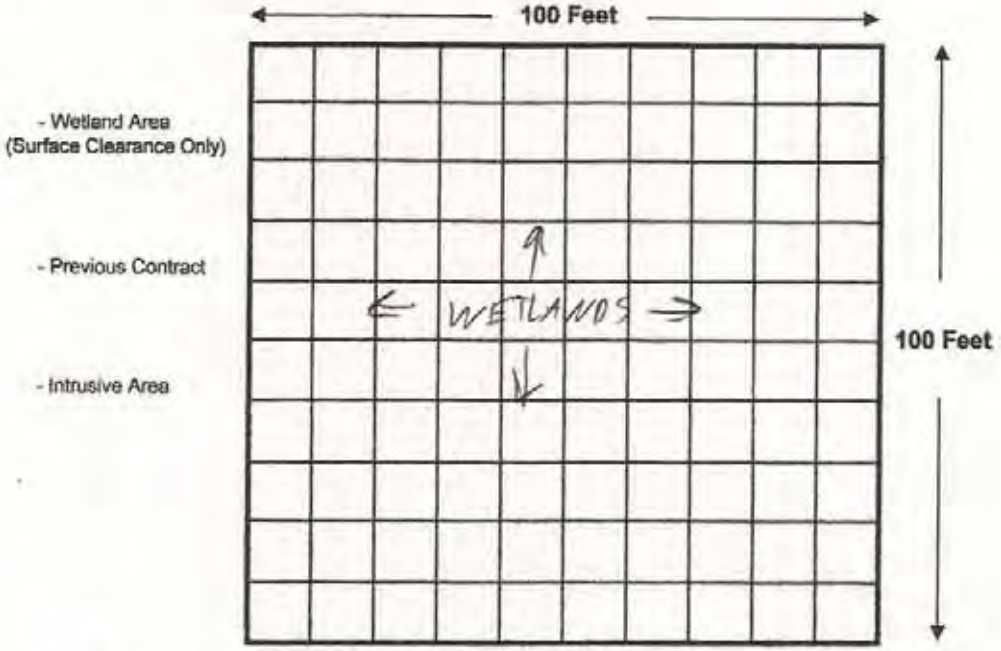
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D099 | Date Started 15 APR '09

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 240 Lbs.		240
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					240
					Total #
■ Date:_____	Surface contacts:_____				
■ Date:_____	Surface contacts:_____				
■ Date:_____	Surface contacts:_____				

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: _____ Date _____

Tetra-Tech, ECI

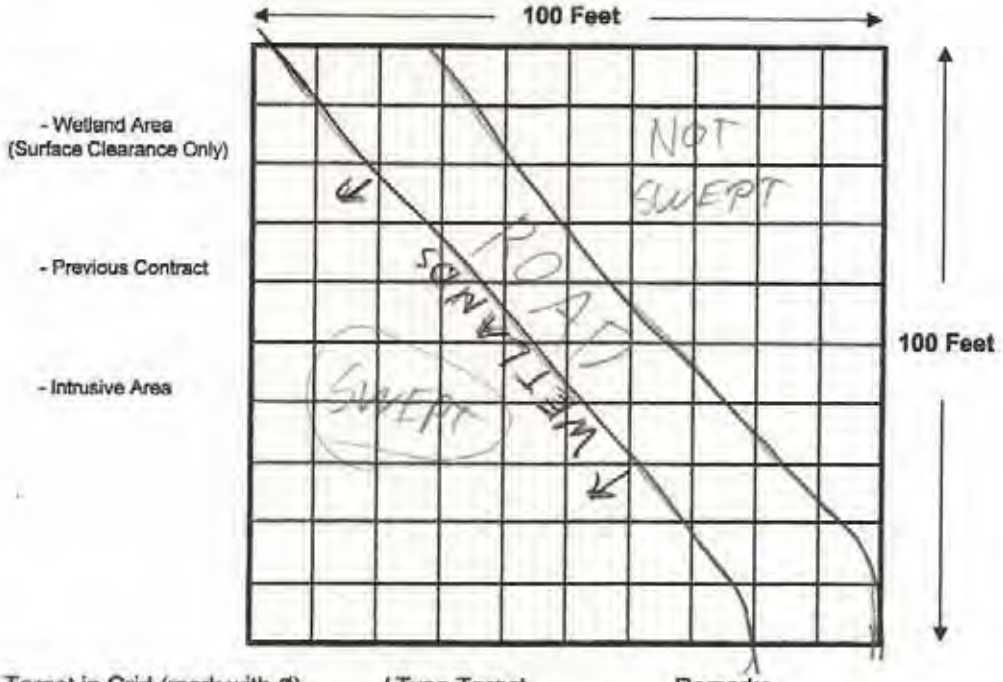
UXO Grid Clearance Form

Grid Number D100 Date Started 15 APR '09

Task: Surface Clearance Only Range: 24 (Wetland Area)

WETLAND AREA SURFACE CLEARANCE COMPLETE 21 APR '09

Surface Clearance Completion Date _____ | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 100 Lbs.		100
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					~~100~~ NAL
					Total #
■ Date:_____	Surface contacts:_____				
■ Date:_____	Surface contacts:_____				
■ Date:_____	Surface contacts:_____				

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: WETLAND AREA SURFACE SWEPT COMPLETE 21 APR '09

■ **Ready For QC (Circle)** **Team Leader Signature:** _____ **Date:** _____

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: _____ Date _____

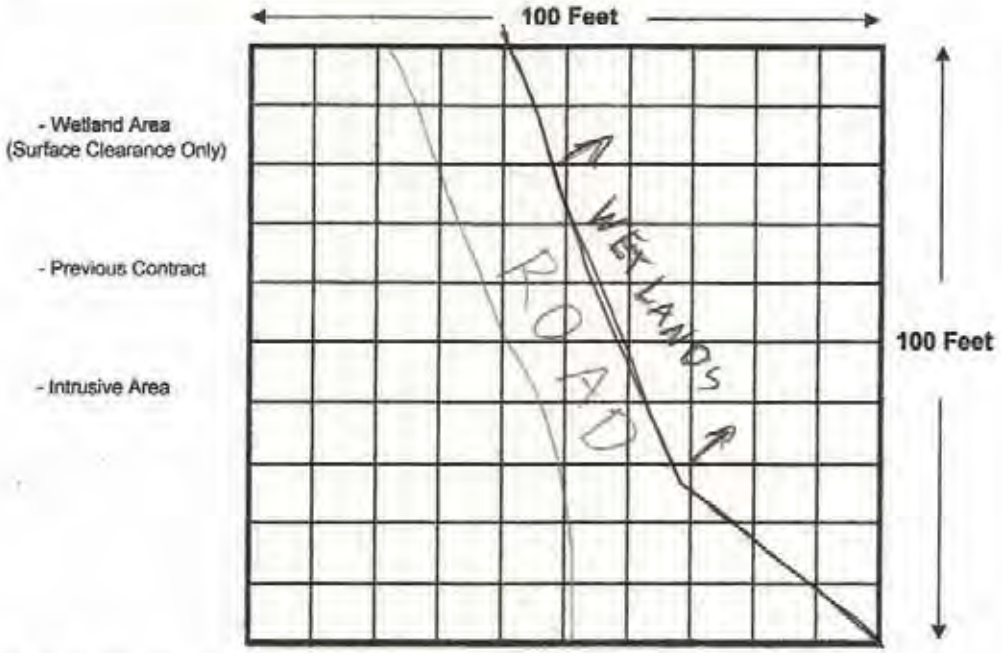
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D113 | Date Started 15 APR '09

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

				Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 10 Lbs.	10
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.	
				10 Total #

■ Date:_____ Surface contacts:_____

■ Date:_____ Surface contacts:_____

■ Date:_____ Surface contacts:_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

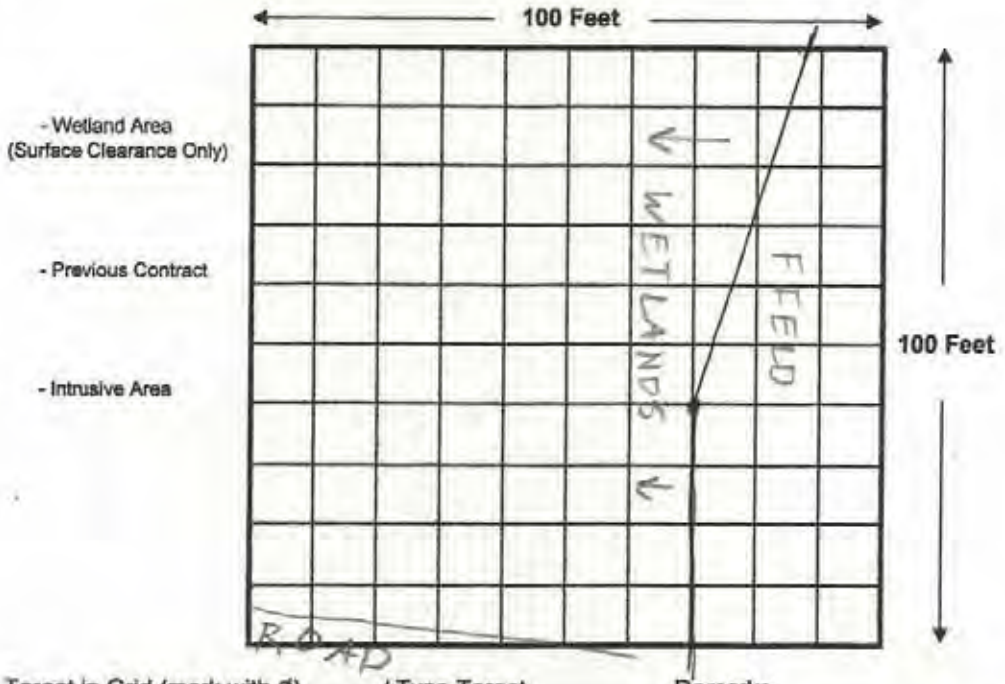
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D114 | Date Started 15 APR '09

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:	Scrap: MD ____ Lbs.	Target Material: ____ Lbs.	CD: 300 Lbs.		300
■ Date:	Scrap: MD ____ Lbs.	Target Material: ____ Lbs.	CD: ____ Lbs.		
■ Date:	Scrap: MD ____ Lbs.	Target Material: ____ Lbs.	CD: ____ Lbs.		
					300
					Total #
■ Date:	Surface contacts:				
■ Date:	Surface contacts:				
■ Date:	Surface contacts:				

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: CONCRETE BOXES

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: [signature] Date 30 Apr 09

Tetra-Tech, ECI

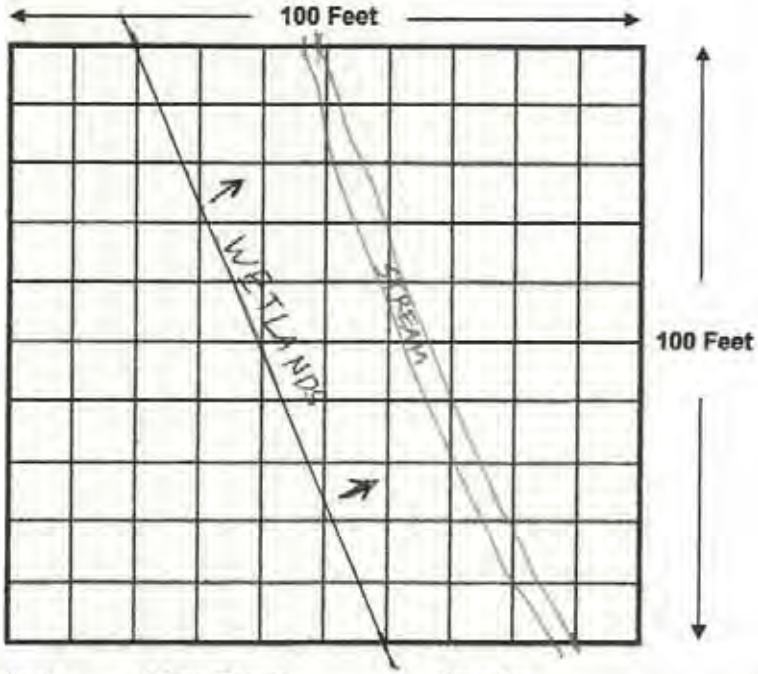
UXO Grid Clearance Form

Grid Number: D116 | Date Started: 15 APR '09

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 09 | UXO Remediation Completion Date: _____

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____

		Total #
■ Date: _____	Surface contacts: _____	_____
■ Date: _____	Surface contacts: _____	_____
■ Date: _____	Surface contacts: _____	_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** [signature] **Date:** 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: _____ Date _____

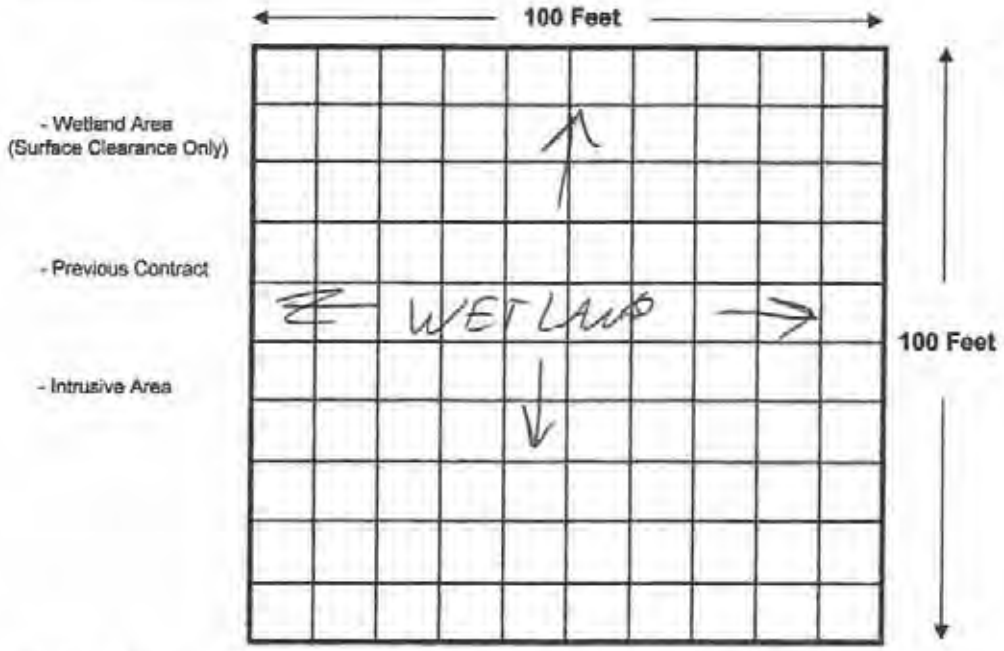
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: D117 | Date Started: 15 APR 2009

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date:_____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____

		Total #
■ Date:_____	Surface contacts:_____	_____
■ Date:_____	Surface contacts:_____	_____
■ Date:_____	Surface contacts:_____	_____

UXO Located (mark with Ø): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) **Team Leader Signature:** [signature] **Date:** 21 APR 2009

SUXOS Signature: [signature] Date _____

UXOQCS Signature: _____ Date _____

Tetra-Tech, ECI

UXO Grid Clearance Form

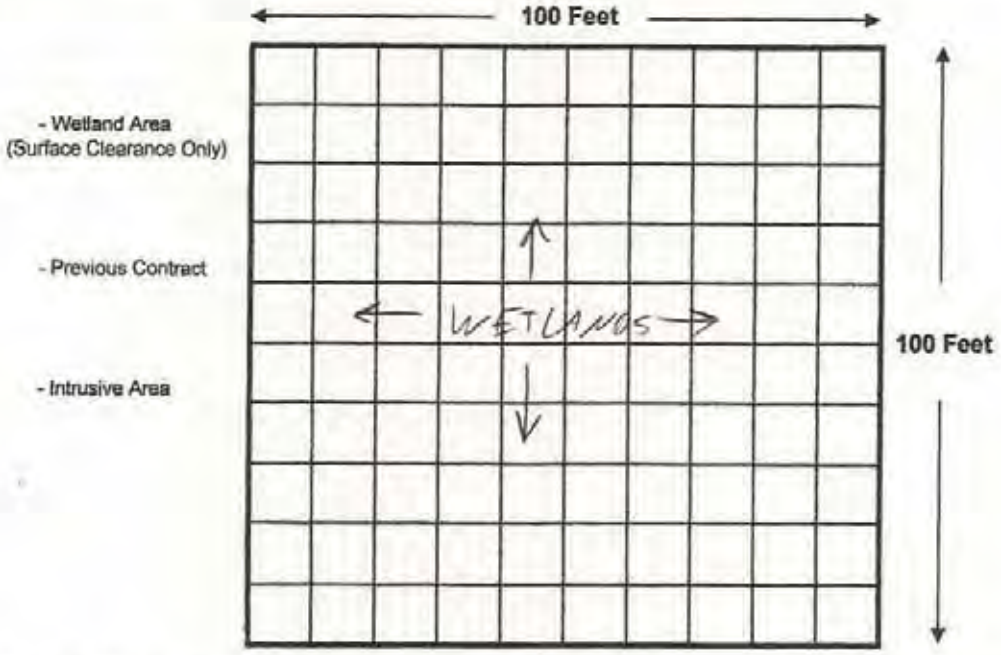
Grid Number: D11B

Date Started: 15 APR '09

Task: Surface Clearance Only

Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 21 APR 09	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 550 Lbs.		550
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					550
					Total #
■ Date: _____	Surface contacts: _____				
■ Date: _____	Surface contacts: _____				
■ Date: _____	Surface contacts: _____				

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature: [signature] Date 4/25/09

UXOQCS Signature: _____ Date _____

Tetra-Tech, ECI

UXO Grid Clearance Form

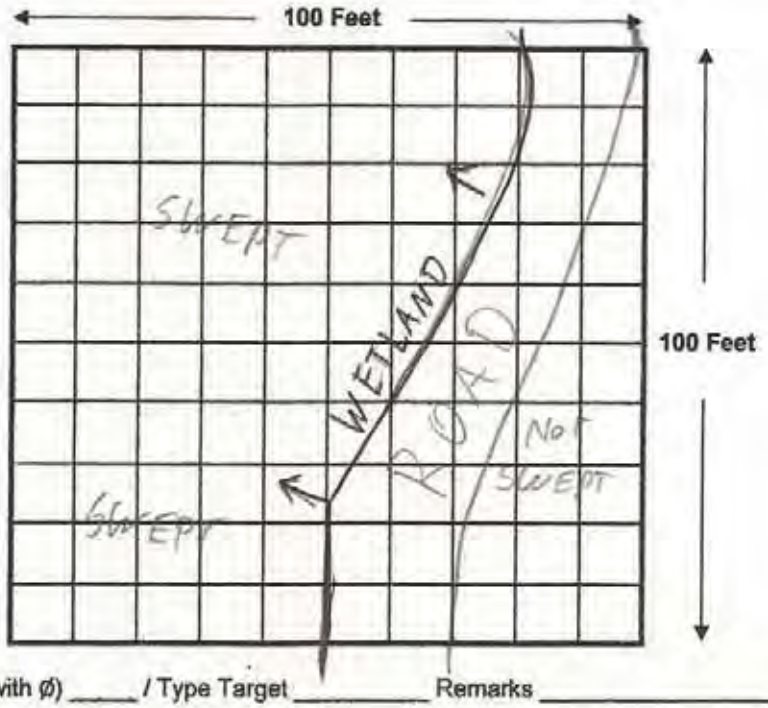
Grid Number D 119 Date Started 15 APR '09

Task: Surface Clearance Only Range: 24 (Wetland Area)

WETLAND SURFACE CLEARANCE COMPLETE 21APR09

Surface Clearance Completion Date _____ | UXO Remediation Completion Date _____

- Wetland Area (Surface Clearance Only)
- Previous Contract
- Intrusive Area



Target in Grid (mark with Ø) ____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 15 APR	Scrap: MD ____ Lbs.	Target Material: ____ Lbs.	CD: 150 Lbs.		150
■ Date: ____	Scrap: MD ____ Lbs.	Target Material: ____ Lbs.	CD: ____ Lbs.		
■ Date: ____	Scrap: MD ____ Lbs.	Target Material: ____ Lbs.	CD: ____ Lbs.		
					150 Total #

- Date: ____ Surface contacts: _____
- Date: ____ Surface contacts: _____
- Date: ____ Surface contacts: _____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** _____ **Date:** _____

SUXOS Signature: _____ Date 4/23/09

UXOQCS Signature: _____ Date _____

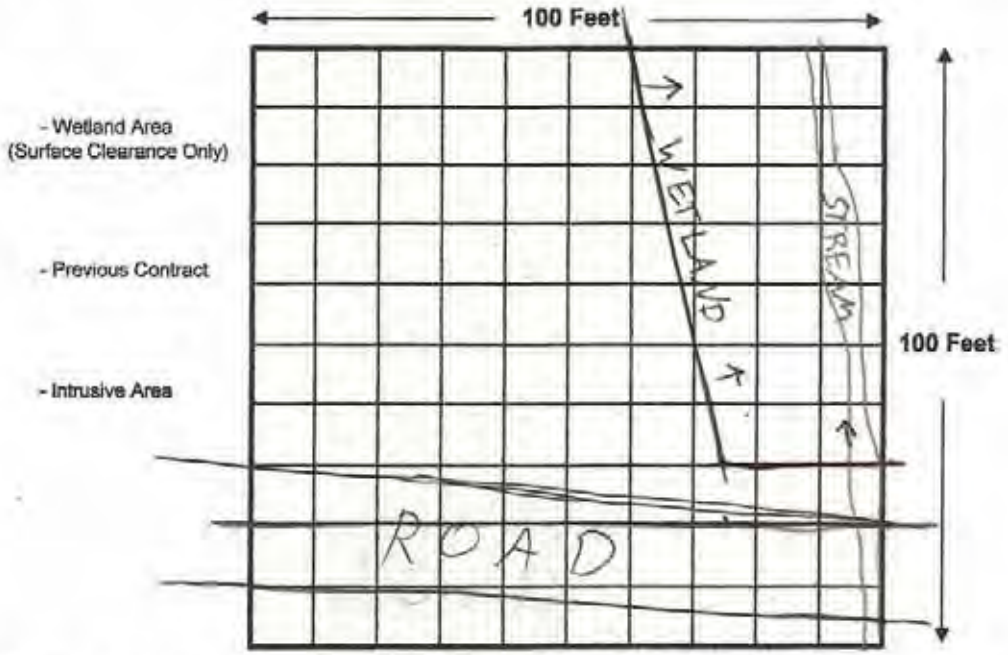
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D145 | Date Started 15 APR '09

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		_____
					Ø
					Total #
■ Date: _____	Surface contacts: _____				_____
■ Date: _____	Surface contacts: _____				_____
■ Date: _____	Surface contacts: _____				_____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ Ready For QC (Circle) Team Leader Signature: [signature] Date: 21 APR 09

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: _____ Date _____

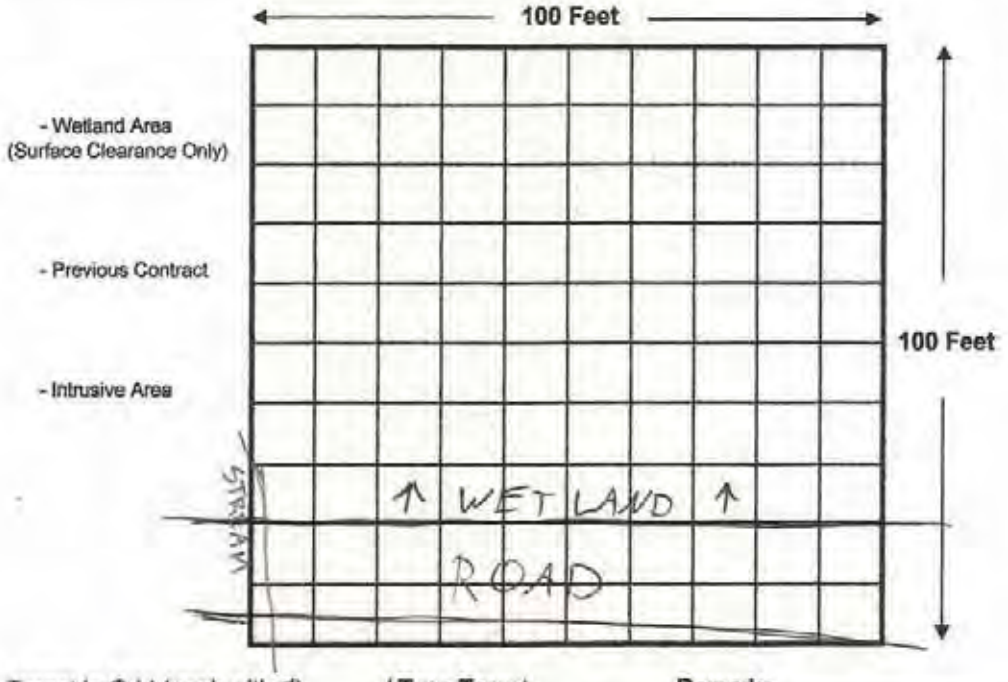
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number D146 | Date Started 15 APR '09

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date 21 APR 09 | UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 15 APR '09	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 400 Lbs.		400
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		

		Total #
■ Date: _____	Surface contacts: _____	
■ Date: _____	Surface contacts: _____	
■ Date: _____	Surface contacts: _____	

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** **Team Leader Signature:** _____ **Date:** _____

SUXOS Signature: _____ Date 4/23/09

UXOQCS Signature: _____ Date _____

Ft. McClellan 'Charlie Area Remediation Anniston, AL

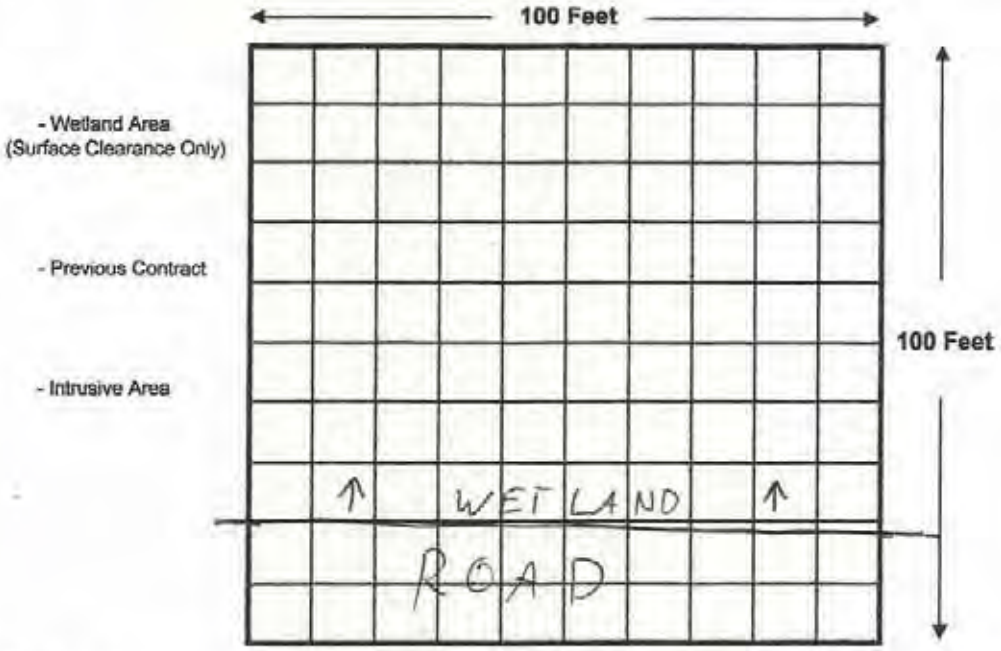
Tetra-Tech, ECI

UXO Grid Clearance Form

Grid Number: D147 | Date Started: 15 APR '09

Task: Surface Clearance Only | Range: 24 (Wetland Area)

Surface Clearance Completion Date: 21 APR 09 | UXO Remediation Completion Date: _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: 500 Lbs.		500lbs
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					500lbs
					Total #
■ Date: _____	Surface contacts: _____				
■ Date: _____	Surface contacts: _____				
■ Date: _____	Surface contacts: _____				

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: _____

■ **Ready For QC (Circle)** Team Leader Signature: [signature] Date: 21 APR 2009

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: _____ Date _____

Ft. McClellan 'Charlie Area Remediation Anniston, AL

Tetra-Tech, ECI

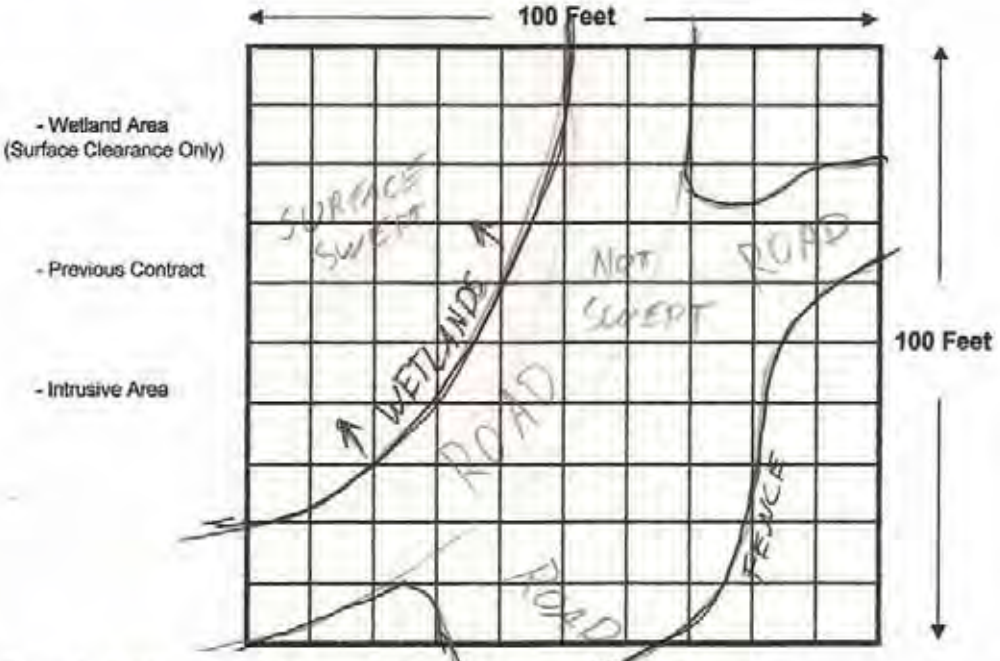
UXO Grid Clearance Form

Grid Number D148 Date Started 15 APR '09

Task: Surface Clearance Only Range: 24 (Wetland Area)

WETLAND AREA CLEARANCE COMPLETE 21 APR '09

Surface Clearance Completion Date ~~[illegible]~~ UXO Remediation Completion Date _____



Target in Grid (mark with Ø) _____ / Type Target _____ Remarks _____

					Total Lbs.
■ Date: 15 APR	Scrap: MD 100 Lbs.	Target Material: _____ Lbs.	CD: 500 Lbs.		600 lbs
■ Date: 16 APR	Scrap: MD 50 Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		50 lbs
■ Date: _____	Scrap: MD _____ Lbs.	Target Material: _____ Lbs.	CD: _____ Lbs.		
					650
					Total #

■ Date: _____ Surface contacts: _____

■ Date: _____ Surface contacts: _____

■ Date: _____ Surface contacts: _____

UXO Located (mark with #): Y / N Type: _____ Nomenclature: _____

Remarks: WETLANDS AREA SWEPT, 21 APR '09, REST OF GRID NOT SWEPT YET CHAINLINK FENCED AREA.

■ **Ready For QC (Circle)** **Team Leader Signature:** _____ **Date:** _____

SUXOS Signature: [signature] Date 4/23/09

UXOQCS Signature: _____ Date _____

Ft. McClellan 'Charlie Area Remediation Anniston, AL

APPENDIX C

SUMMARY OF RECOVERD ITEMS

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Summary of Scrap Removal in Range 24a Surface Clearance Area			
Grid	**Munition Debris**	**Range Debris**	**Cultural Debris**
D001	0	0	0
D002	0	0	0
D003	0	0	0
D004	0	0	0
D005	0	0	0
D006	0	0	0
D007	0	0	50
D008	0	0	100
D009	0	0	50
D010	0	0	0
D011	0	0	0
D012	0	0	50
D013	0	0	0
D014	0	0	0
D015	0	0	0
D016	0	0	0
D017	0	0	15
D018	0	0	0
D019	0	0	0
D020	0	0	0
D021	0	0	50
D022	0	0	40
D023	0	0	5
D024	0	0	0
D025	0	0	0
D026	0	0	0
D027	0	0	0
D028	0	0	0
D029	0	0	0
D030	0	0	200
D031	0	0	0
D032	0	0	0
D033	0	0	0
D034	0	0	0
D035	0	0	0
D036	0	0	0
D037	0	0	0
D038	0	0	10
D039	0	0	40
D040	0	0	0
D041	0	0	0
D042	0	0	0
D043	0	0	10
D044	0	0	150
D045	0	0	0
D046	0	0	0
D048	0	0	0
D049	0	0	50
D050	0	0	0
D055	0	0	0
D056	0	0	100
D057	0	0	400
D059	0	0	0
D060	0	0	300

Summary of Scrap Removal in Range 24a Surface Clearance Area			
Grid	**Munition Debris**	**Range Debris**	**Cultural Debris**
D061	0	0	0
D064	0	0	100
D065	0	0	80
D066	0	0	50
D067	0	0	0
D072	0	0	0
D073	0	0	20
D074	0	0	0
D075	0	0	200
D076	0	0	100
D077	0	0	0
D081	0	0	100
D082	0	0	0
D083	0	0	100
D084	0	0	100
D085	0	0	0
D093	0	0	10
D094	0	0	500
D095	0	0	0
D096	0	0	0
D097	0	0	0
D098	0	0	100
D099	0	0	240
D100	0	0	100
D113	0	0	10
D114	0	0	300
D116	0	0	0
D117	0	0	0
D118	0	0	550
D119	0	0	150
D145	0	0	0
D146	0	0	400
D147	0	0	500
D148	150	0	500
TOTALS	**150**	**0**	**5830**

APPENDIX D

QUALITY CONTROL DOCUMENTATION

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TETRA TECH EC, INC.

FOLLOW-UP INSPECTION/SURVEILLANCE REPORT

Project Name: Remedial Action in Charlie Area for Four Lead Removal Sites Report No: SI-McClellan-051809-2

Project No: W912DY-04-D-0011 DO 0010 Location: Ft. McClellan, Alabama Date: 04/18/09

I. Definable Feature of Work

☐ Project Management	☐ Geophysical Mapping	☐ Data Management	☐ Brush Clearing
☐ Intrusive Investigation	☐ UXO Avoidance	☐ Demolition	☐ Survey
☐ Surface Clearance	☐ Anomaly Reacquisition	☐ Transect Activity	☐ Scrap Processing
☐ GIS Management	☐ Mobilization/Demobilization	☒ Acceptance Sampling	☐ Other:

II. Type of Inspection

☐ Follow-up ☒ Surveillance

II. References (USACE DIDs, Corporate references, SOPs, etc.):

APP, SS and H Plan, WP Section 2.7.2/10.13.2 Table 10, Section 2.6.1.2, Section 2.6.1.2, Section 2.6.1.2.1/ 2.6.3.8 SOP5, Section 2.6.1.2/ 2.7.2/ 10.7.9

III. Activities/Conditions Observed

Process:
Daily instrument checks at test strip are performed which has each operator locating all items in the test strip. Battery Strength Tests are performed 2 times/day in order to receive audio response over ferrous metal object. Team leaders have the team members line up with spacing dictated according to thickness of vegetation. Each team member has a schonstedt magnetometer to assist through the vegetation in order to detect surface anomalies. If any items are found that need verified, the line halts and the Team Leaders verify if the item is safe to move or not and mark it appropriately if needed. The scrap that is found is placed in buckets after verifying as non-hazardous and then segregated later and painted white. The scrap is relocated to the scrap yard for security. The sweep teams use the boundary markers for stop points which allow them to shift over and continued back ensuring 100% coverage of the assigned area. All personnel wear appropriate PPE to include snake chaps, coveralls, sturdy boots, safety glasses, and gloves. Team Leaders record all MEC items found on the MEC Accountability Form. The Teal Leaders also record the quantity in pounds of scrap removed from each grid and general comments on the type of scrap.
QC inspection performed on 18 Grids. All passed QC acceptance.
18 Grids passed
D031, D048, D064, D081, D082, D096, D097, D098, D099, D100, D116, D117, D118, D119, D145, D146, D147, and D148
These verified areas are SURFACE CLEARANCE ONLY areas that have been designated as the Wetland Area of Range 24 on Ft. McClellan.

Conducted By: Samuel 'Keith' Rivera	Signature: Samuel Keith Rivera	Date: 05/18/09

X. UXOQC Review

☒ Acceptable ☐ Unacceptable NCR #:

Comments:
Grids on Range 24 with areas that are designated as part "Wetland Surface Clearance Only" and part "Intrusive" will still have work done to close out the grid completely.

Name: Samuel 'Keith' Rivera	Signature: Samuel Keith Rivera	Date: 05/18/09

XI. Distribution

☒ PM ☒ SUXOS ☒ UXOSO ☒ UXO Quality Manager ☒ Client Rep

UXO-05 Version 3 4/27/2005

TETRA TECH EC, INC.

FOLLOW-UP INSPECTION/SURVEILLANCE REPORT

Project Name: Remedial Action in Charlie Area for Four Lead Removal Sites Report No: SI-McClellan-042909-3

Project No: W912DY-04-D-0011 DO 0010 Location: Ft. McClellan, Alabama Date: 04/29/09

I. Definable Feature of Work

☐ Project Management	☐ Geophysical Mapping	☐ Data Management	☐ Brush Clearing
☐ Intrusive Investigation	☐ UXO Avoidance	☐ Demolition	☐ Survey
☐ Surface Clearance	☐ Anomaly Reacquisition	☐ Transect Activity	☐ Scrap Processing
☐ GIS Management	☐ Mobilization/Demobilization	☒ Acceptance Sampling	☐ Other:

II. Type of Inspection

☐ Follow-up ☒ Surveillance

II. References (USACE DIDs, Corporate references, SOPs, etc.):

APP, SS and H Plan, WP Section 2.7.2/10.13.2 Table 10, Section 2.6.1.2, Section 2.6.1.2, Section 2.6.1.2.1/ 2.6.3.8 SOP5, Section 2.6.1.2/ 2.7.2/ 10.7.9

III. Activities/Conditions Observed

Process:
Daily instrument checks at test strip are performed which has each operator locating all items in the test strip. Battery Strength Tests are performed 2 times/day in order to receive audio response over ferrous metal object. Team leaders have the team members line up with spacing dictated according to thickness of vegetation. Each team member has a schonstedt magnetometer to assist through the vegetation in order to detect surface anomalies. If any items are found that need verified, the line halts and the Team Leaders verify if the item is safe to move or not and mark it appropriately if needed. The scrap that is found is placed in buckets after verifying as non-hazardous and then segregated later and painted white. The scrap is relocated to the scrap yard for security. The sweep team uses designated start and stop positions which allows them to shift over and continued back ensuring 100% coverage of the assigned area. All personnel wear appropriate PPE to include snake chaps, coveralls, sturdy boots, safety glasses, and gloves. Team Leaders record all MEC items found on the MEC Accountability Form. The Teal Leaders also record the quantity in pounds of scrap removed from each grid and general comments on the type of scrap.
QC inspection performed on 38 Grids. All features passed QC acceptance.
Please refer to map and grid sheets provided.
38 Grids
D001-D015, D022-D026, D038-D042, D055-D058, D072-D075, D093-D095, and D113-D114
These verified areas are SURFACE CLEARANCE ONLY areas that have been designated as the Wetland Area of Range 24 on Ft. McClellan.
All Grids correlate to the accompanied Tetra-Tech Ft. McClellan Grid Sheets and provided area designation map.

Conducted By: Samuel 'Keith' Rivera	Signature: Samuel Keith Rivera	Date: 04/29/09

X. UXOQC Review

☒ Acceptable ☐ Unacceptable NCR #:

Comments:
Grids on Range 24 with areas that are designated as part "Wetland Surface Clearance Only" and part "Intrusive" will still have work done to close out the grid completely.

Name: Samuel 'Keith' Rivera	Signature: Samuel Keith Rivera	Date: 04/29/09

XI. Distribution

☒ PM ☒ SUXOS ☒ UXOSO ☒ UXO Quality Manager ☒ Client Rep

UXO-05 Version 3 4/27/2005

TETRA TECH EC, INC.

FOLLOW-UP INSPECTION/SURVEILLANCE REPORT

Project Name: Remedial Action in Charlie Area for Four Lead Removal Sites Report No: SI-McClellan-043009-1

Project No: W912DY-04-D-0011 DO 0010 Location: Ft. McClellan, Alabama Date: 04/30/09

I. Definable Feature of Work

☐ Project Management	☐ Geophysical Mapping	☐ Data Management	☐ Brush Clearing
☐ Intrusive Investigation	☐ UXO Avoidance	☐ Demolition	☐ Survey
☐ Surface Clearance	☐ Anomaly Reacquisition	☐ Transect Activity	☐ Scrap Processing
☐ GIS Management	☐ Mobilization/Demobilization	☒ Acceptance Sampling	☐ Other:

II. Type of Inspection

☐ Follow-up ☒ Surveillance

II. References (USACE DIDs, Corporate references, SOPs, etc.):

APP, SS and H Plan, WP Section 2.7.2/10.13.2 Table 10, Section 2.6.1.2, Section 2.6.1.2, Section 2.6.1.2.1/ 2.6.3.8 SOP5, Section 2.6.1.2/ 2.7.2/ 10.7.9

III. Activities/Conditions Observed

Process:
Daily instrument checks at test strip are performed which has each operator locating all items in the test strip. Battery Strength Tests are performed 2 times/day in order to receive audio response over ferrous metal object. Team leaders have the team members line up with spacing dictated according to thickness of vegetation. Each team member has a schonstedt magnetometer to assist through the vegetation in order to detect surface anomalies. If any items are found that need verified, the line halts and the Team Leaders verify if the item is safe to move or not and mark it appropriately if needed. The scrap that is found is placed in buckets after verifying as non-hazardous and then segregated later and painted white. The scrap is relocated to the scrap yard for security. The sweep teams use the boundary markers for stop points which allow them to shift over and continued back ensuring 100% coverage of the assigned area. All personnel wear appropriate PPE to include snake chaps, coveralls, sturdy boots, safety glasses, and gloves. Team Leaders record all MEC items found on the MEC Accountability Form. The Teal Leaders also record the quantity in pounds of scrap removed from each grid and general comments on the type of scrap.
QC inspection performed on 46 Grids. 28 Grids passed QC acceptance.
28 Grids passed
D016-D021, D027-D030, D032, D043-D046,D049-D050, D059-D061,D065-D067, D076-D077, and D083-D085
These verified areas are SURFACE CLEARANCE ONLY areas that have been designated as the Wetland Area of Range 24 on Ft. McClellan.

Conducted By: Samuel 'Keith' Rivera	Signature: Samuel Keith Rivera	Date: 04/30/09

X. UXOQC Review

☒ Acceptable ☐ Unacceptable NCR #:

Comments:
Grids on Range 24 with areas that are designated as part "Wetland Surface Clearance Only" and part "Intrusive" will still have work done to close out the grid completely.

Name: Samuel 'Keith' Rivera	Signature: Samuel Keith Rivera	Date: 04/30/09

XI. Distribution

☒ PM ☒ SUXOS ☒ UXOSO ☒ UXO Quality Manager ☒ Client Rep

UXO-05 Version 3 4/27/2005

APPENDIX E

QUALITY ASSURANCE ACCEPTANCE DOCUMENTATION

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003

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
ORDNANCE AND EXPLOSIVE GROUP
MEMO

TO:	DATE:	TIME:
TTEC Inc	5 May 09	17:00

CONTRACT NUMBER:	PROJECT LOCATION:
W912DY-04-D-0011	RA, Charlie Area lead Removal sites. FT, McCellan, Al
DO #: 0010	

SUBJECT ITEM(S) (Check all that apply):

- ☐ Work Plan
- ☐ Safety Violation
- ☐ Safety Comments
- ☒ Quality Control
- ☐ Other

DESCRIPTION: I have performed a Quality Assurance inspection on the below listed grids for the surface clearance only portion of Range 24. All grids passed and are ready for government acceptance; D001, D002, D003, D004, D005, D006, D007, D008, D009, D010, D011, D012, D013, D014, D015, D016.

☐ Prompt correction or compliance with contract specifications is requested.

Randell King
USACE Site Representative

RECEIPT ACKNOWLEDGED: Samuel Rivera
Contractor's Representative

ACTION TAKEN:

CEHNC FORM 948 (Revised)
1 APR 96

COPY 1 - Contractor's Representative

004

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
ORDNANCE AND EXPLOSIVE GROUP
MEMO

TO:	DATE:	TIME:
TTEC Inc	5 May 09	17:00

CONTRACT NUMBER:	PROJECT LOCATION:
W912 DY-04-D-0011	RA, Charlie Area lead Removal sites FT McClellan, Al
DO #: 0010	

SUBJECT ITEM(S) (Check all that apply):

- ☐ Work Plan
- ☐ Safety Violation
- ☐ Safety Comments
- ☒ Quality Control
- ☐ Other

DESCRIPTION: I have performed a Quality Assurance inspection on the below listed grids for the surface Clearance only portion of Range 24. All grids passed QA inspection and are Ready for government acceptance; D017, D021, D022, D023, D024, D025, D026, D027, D028, D038, D039, D040, D041, & D042

☐ Prompt correction or compliance with contract specifications is requested.

Randall King
USACE Site Representative

RECEIPT ACKNOWLEDGED: Saul Rivera
Contractor's Representative

ACTION TAKEN:

CEHNC FORM 948 (Revised) 1 APR 96 — **COPY 1 - Contractor's Representative**

005

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
ORDNANCE AND EXPLOSIVE GROUP
MEMO

TO:	DATE:	TIME:
TTEC Inc	5 May 09	17:00

CONTRACT NUMBER:	PROJECT LOCATION:
W912DY-04-D-0011	RA, Charlie Area lead Removal sites
DO #: 0010	FT. McClellan, Al

SUBJECT ITEM(S) (Check all that apply):

- ☐ Work Plan
- ☐ Safety Violation
- ☐ Safety Comments
- ☒ Quality Control
- ☐ Other

DESCRIPTION: I have performed a Quality assurance inspection on the below listed grid for the surface clearance only portion of Range 24. All grids passed QA inspection and are ready for government acceptance; D043, D044, D055, D056, D057, D058, D059, D072, D073, D074, D075, D093, D094, D113 & D114.

☐ Prompt correction or compliance with contract specifications is requested.

Randall King
USACE Site Representative

RECEIPT ACKNOWLEDGED: [illegible]
Contractor's Representative

ACTION TAKEN:

CEHNC FORM 948 (Revised) 1 APR 96 **COPY 1 - Contractor's Representative**

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
ORDNANCE AND EXPLOSIVE GROUP
MEMO

TO:	DATE:	TIME:
TTEC Inc	7 May 09	16:30

CONTRACT NUMBER:	PROJECT LOCATION:
W912DY-04-D-0011	RA, Charlie Area lead Removal sites. Ft. McClellan, Al
DO #: 0010	

SUBJECT ITEM(S) (Check all that apply):

- ☐ Work Plan
- ☐ Safety Violation
- ☐ Safety Comments
- ☒ Quality Control
- ☐ Other

DESCRIPTION: I have performed a Quality assurance inspection on the below listed grids for the surface Clearance only portion of Range 24. All grids passed QA inspection and are Ready for government acceptance; D018, D019, D020, D030, D045, D046, D060, D061 + D077

☐ Prompt correction or compliance with contract specifications is requested.

Randall King
USACE Site Representative

RECEIPT ACKNOWLEDGED: Grady Bondel
Contractor's Representative

ACTION TAKEN:

CEHNC FORM 948 (Revised)
1 APR 96

COPY 1 - Contractor's Representative

APPENDIX F-4
MAGAZINE TESTING DOCUMENTATION

ACKER ELECTRIC COMPANY INC
AEC
POST OFFICE BOX 157 - ANNISTON, ALABAMA 36202-0157
4265 HILL STREET - ANNISTON, ALABAMA 36206-2168
OFFICE 256.236.8100 - FAX 256.237.1102
WWW.ACKERELECTRIC.COM

GROUND RESISTANCE TEST

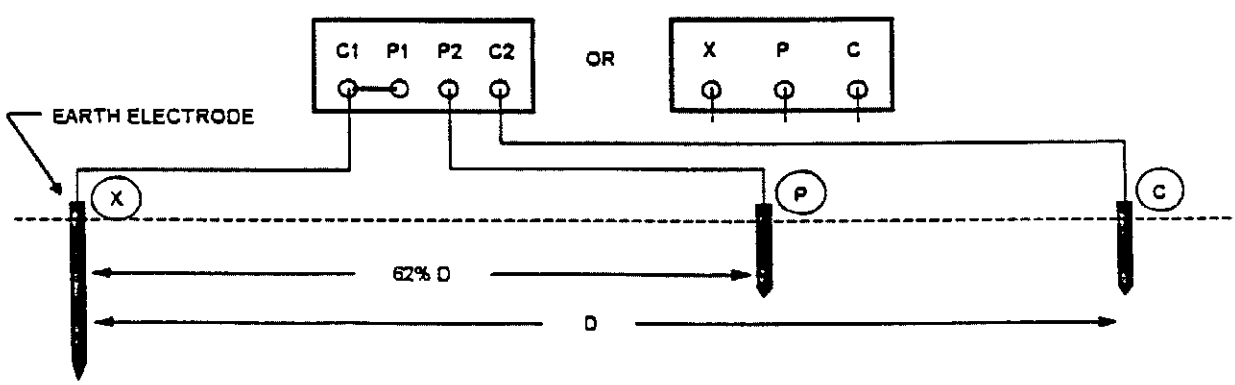
DATE 4-24-09 **AREA** MAGAZINE 1+2 PERIMETER

DRAWING NO. **INSTRUMENT TYPE** BIDDLE

PART TESTED Ground Grid **CALIBRATION DATE** NEW

LOCATION McCrillan / Bains Gap

FALL OF POTENTIAL METHOD: With a four terminal tester, P1 and C1 terminals on the instrument are jumpered and connected to the earth electrode under test. With a three terminal instrument, connect X to the earth electrode. The driven reference rod C should be placed as far from the earth electrode as practical. The potential reference rod P is driven in at a number of points roughly on a straight line between the earth electrode and C. Resistance readings are logged for each of the points. A curve of resistance Vs distance is then drawn. Correct earth resistance is read from the curve for the distance that is about 62% of the total distance from the earth electrode to C.



TEST RESULTS 12 Ohms

PERSON PERFORMING TEST: Danny Smith

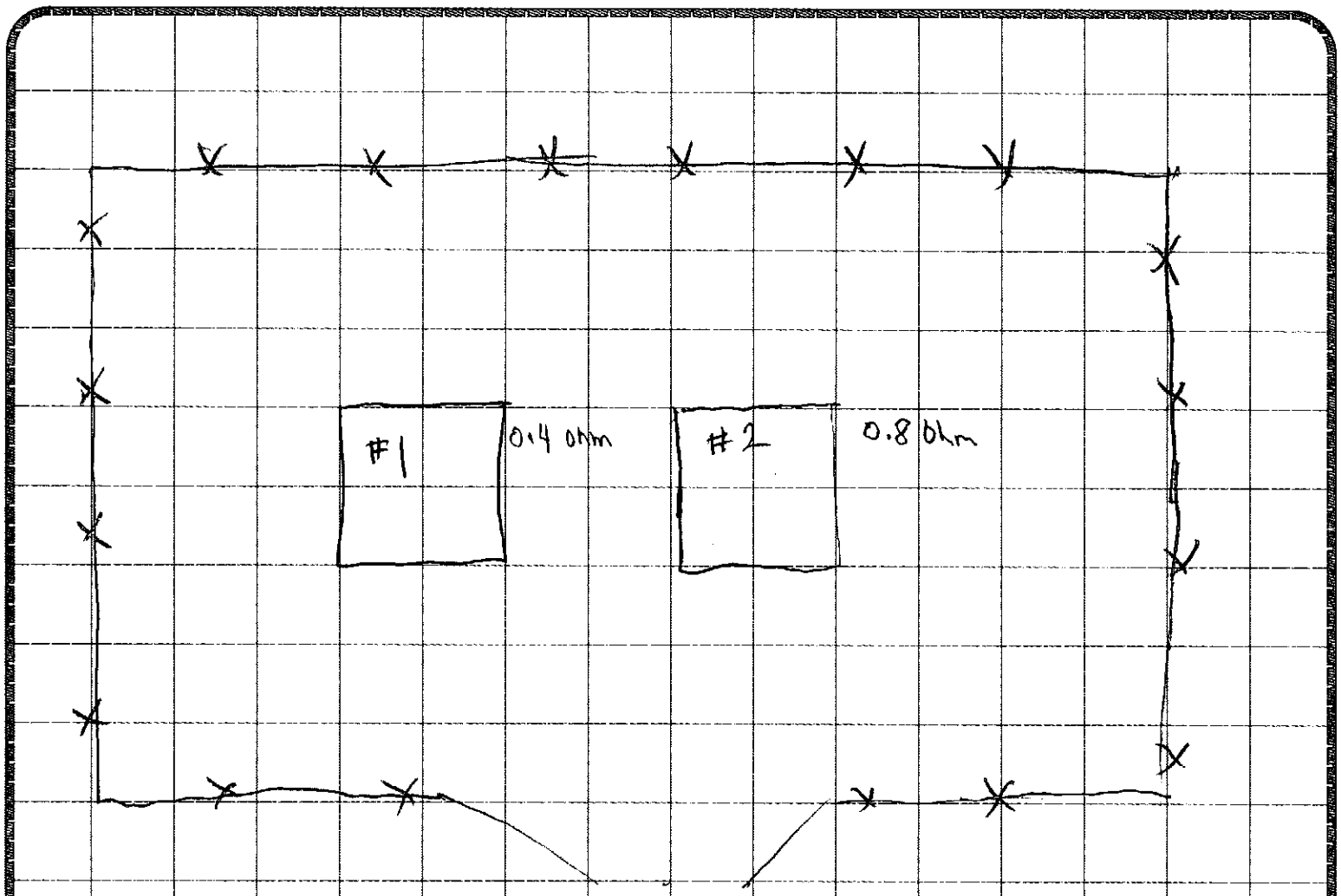
COMPANY NAME: Acker Electric Company, Inc.

WITNESS: D.S. **COMPANY** Acker Electric Company, Inc.

WITNESS: Jeffrey Bendel **COMPANY** (TTECI) TETRA TECH ECI

ACKER ELECTRIC COMPANY INC
AEC
BOX 157, ANNISTON, AL 36202
Post Office Box 157 | 4265 Hill Street | Anniston, Alabama 36206
Voice (256) 236-8100 | Fax (256) 237-1102 | www.ackerelectric.com

Project: Continuity Test McCrillan/Bains Gap MAGAZINES 1 & 2

Date: 4-24-09 Project No.: Sheet No.:

Author: Danny Smith