DRAFT SITE-SPECIFIC FINAL REPORT

Open Burn/Open Detonation (OB/OD) Unit Kickout Investigation

Fort Wingate Depot Activity

McKinley County, New Mexico

PREPARED FOR:

U.S. ARMY ENGINEER DISTRICT, FT WORTH PO BOX 17300 FORT WORTH, TX 76102-0300



Contract W912BV-04-D-2016 Delivery Order DY02

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The views, opinions, and/or findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy, or decision, unless so designated by other documentation.



1 TABLE OF CONTENTS

2	ACRONYMS AND ABBREVIATIONSIV					
3	EXEC	CUTIVE SUMMARYES-1				
4	1.0	INTRODUCTION				
5		1.1 Project Authorization1-1				
6		1.2 Site Location				
7		1.3 Site History				
8		1.4 Objectives and Scope 1-2				
9	2.0	TECHNICAL EFFORT2-1				
10		2.1 Equipment				
11		2.1.1 Hand-Held Analog Geophysical Equipment				
12		2.1.2 Digital Geophysical Mapping (Quality Control)				
13		2.2 Site Preparation				
14		2.3 Site Removal Action				
15		2.4 Planned Transects not Investigated				
16		2.5 Storage of Removed Items				
17		2.6 Waste Management				
18		2.7 Explosives Accountability 2-5				
19	3.0	SAFETY3-1				
20		3.1 Emergency Response Training				
21		3.2 Supervisor/Employee Safety Meetings				
22		3.3 Safety and Health Inspections				
23		3.4 Exposure Data 3-2				
24	4.0	QUALITY CONTROL				
25		4.1 UXO Quality Control Specialist (UXOQCS)				
26		4.2 Three-Phase Inspection Process				
27		<i>4.2.1 Preparatory Phase Inspection</i>				
28		4.2.2 Initial Phase Inspection				
29		4.2.3 Follow-up Phase Inspection				
30		4.3 Digital Geophysical Mapping (DGM)				
31		<i>4.3.1 DGM Objectives</i>				
32		<i>4.3.2 DGM Equipment</i>				
33		4.3.3 Data Coverage				



34		4.3.4	Geophysical Proveout (GPO)	
35		4.3.5	EM61-MK2 Data Collection	
36		4.3.6	Global Positioning System (GPS)	
37		4.3.7	Data Processing and Target Selection	
38		4.3.8	Target Reacquisition and Anomaly Investigation	
39		4.3.9	DGM Results	
40			entation and Document Control	
41			anagement	
42			uality Objectives	
43			ent Calibration and Testing	
44		4.7.1		
45		4.7.2	ЕМ61-МК2	
46		4.7.3	5 1 5 1 1	
47		4.7.4	5 5	
48		4.8 Audits .		4-16
49	5.0	SUMMARY	OF FIELD OPERATIONS	5-1
50	6.0	REFERENC	ES	6-1
51				
52	TAB	LES		
		_	Data Cavaraga	A A
53 54	4-1 4-2		Data Coverage Point Coordinates	
54 55	4-2 4-3			
55 56	4-3 4-4		Results estigation of 9/16/08 Targets	
	4-4	Second mile		
57				
58	APP	ENDICES		
59	А	Figures		
60		Figure 1-1.	Regional Location of FWDA	
61		Figure 1-2.	Location of Parcel 3	
62		Figure 2-1.	Planned Transect Locations	
63		Figure 2-2.	Transect Investigation Map	
64		Figure 4-2.	GPO Transect	
65		Figure 4-3.	EM61-MK2 Metal Detector in Litter Mode	
66		Figure 4-4.	EM61-MK2 Survey, North Area	
67		Figure 4-5.	EM61-MK2 Survey, East Area	
68		Figure 4-6.	EM61-MK2 Survey, West Area	
69		Figure 4-7.	EM61-MK2 Survey, South Area	

Figure 4-7. EM61-MK2 Survey, South Area



70 APPENDICES (Continued)

- 71 B Transect Sheets
- 72 C List of Planned Transects Not Investigated
- 73 D Explosives Accountability Documentation
- 74 E QC Target List
- 75 F Daily Reports
- 76 G Weekly Reports
- 77 H Reserved Arroyo TCRA (Not Included)



78 ACRONYMS AND ABBREVIATIONS

79 Activity Hazard Analysis AHA APP 80 **Accident Prevention Plan** Bureau of Indian Affairs 81 BIA 82 BRAC Base Realignment and Closure 83 CAHA Certification of Activity Hazard Analysis 84 CAMU **Corrective Action Management Unit** CAR 85 **Corrective Action Request** CE 86 conditional exemption 87 CESWF U.S. Army Corps of Engineers, Fort Worth District 88 centimeter(s) cm 89 DGM digital geophysical mapping 90 DGPS **Digital Global Positioning System** 91 DID data item description 92 DoD Department of Defense 93 DOO data quality objective 94 ECM earth covered magazine 95 ΕM electromagnetic EΡ 96 Engineering Pamphlet 97 EPA Environmental Protection Agency 98 ft foot or feet 99 FWDA Fort Wingate Depot Activity 100 GPO geophysical proveout **Global Positioning System** 101 GPS 102 IAW in accordance with 103 lb pound 104 MD munitions debris 105 MEC munitions and explosives of concern 106 MKM MKM Engineers, Inc.



107 ACRONYMS AND ABBREVIATIONS (continued)

108 mm millimeter(s) 109 MR **Munitions Rule** 110 mV millivolt 111 NC no contact 112 NMED New Mexico Environment Department 113 OB/OD open burn/open detonation 114 OESS Ordnance and Explosives Safety Specialist 115 OSHA Occupational Safety and Health Administration 116 PA **Programmatic Agreement** 117 ΡΙΚΑ PIKA International, Inc. 118 ΡM **Project Manager** 119 QAM Quality Assurance Manager 120 QC quality control 121 RCRA Resource Conservation and Recovery Act 122 RTK real-time kinematic 123 SOW Statement of Work 124 SSHP Site Safety and Health Plan 125 SUXOS Senior UXO Supervisor 126 TCS thermal convection system 127 USACE United States Army Corp of Engineers 128 UTM Universal Transverse Mercator 129 UXO unexploded ordnance 130 UXOQCS UXO Quality Control Specialist 131 UXOSO **UXO Safety Officer** 132 WMM waste military munitions 133 WP Work Plan 134 **WSMR** White Sands Missile Range 135 XI T White's Spectrum XLT 136



137 EXECUTIVE SUMMARY

PIKA International, Inc. conducted a survey to delineate the extent of the open 138 139 burn/open detonation (OB/OD) Unit Kickout Area at Fort Wingate Depot Activity 140 (FWDA). The primary objective of this project was to confirm and define the 141 outer boundary of the kickout from operations at the OB/OD area located in 142 Parcel 3 of FWDA. This was accomplished by using analog geophysical 143 equipment to survey transect lines and identify the locations of surface and 144 subsurface anomalies that may represent munitions and explosives of concern 145 (MEC) or munitions debris (MD) associated with the former activities at the 146 OB/OD area. Quality control was conducted using EM61-MK2 digital geophysical 147 mapping (DGM). The survey was conducted from August 17 to September 25, 148 2008.

149 The work was performed on behalf of the U.S. Army Corps of Engineers 150 (USACE), Fort Worth District, under Contract No. W912BV-04-D-2016, Delivery 151 Order DY02. All work was accomplished in accordance with the Statement of 152 Work, USACE Safety Manual (EM 385-1-1), 29 CFR1910.120, the Approved Site-153 Specific Work Plan with its integral Accident Prevention Plan (APP), Engineering 154 Pamphlet (EP) 385-1-95a, Basic Concepts and Considerations for Ordnance and 155 Explosive Operations, Data Item Descriptions (DIDs), and other USACE guidance 156 documents.

Exactly 726 transects were investigated, totaling 140,863 linear feet, with DGM
evaluation totaling 14,098 linear feet. Exactly 1,466 targets were dug, resulting
in removal of approximately 503 pounds of MD and 206 pounds of scrap metal;
no MEC was encountered. Over 3,300 man-hours were recorded with no losttime accidents or property damage.



162 **1.0 INTRODUCTION**

163 This site-specific final report was prepared by PIKA International, Inc. (PIKA) to 164 describe the activities conducted to delineate the extent of the open burn/open 165 detonation (OB/OD) Unit Kickout Area at Fort Wingate Depot Activity (FWDA). 166 The primary objective of this project was to delineate the outer boundaries of 167 the OB/OD Unit Kickout Area in accordance with Resource Conservation and 168 Recovery Act (RCRA) Permit No. NM 6213820974. The permit was issued by the 169 New Mexico Environment Department (NMED), for the FWDA facility (the 170 "Permit"), and support by the Programmatic Agreement (PA) among the United 171 States Army, the Navajo Nation, the Pueblo of Zuni, the New Mexico State 172 Historic Preservation Officer, and the Advisory Council for Historic Preservation 173 for Environmental Restoration Activities to be undertaken at FWDA and 174 Associated Project Lands. All work was performed in accordance with the 175 requirements outlined in the Final Kickout Delineation Work Plan (WP), MKM 176 Engineers, Inc. (MKM), May 2008, and the statement of work (SOW).

177 **1.1 Project Authorization**

The work was performed on behalf of USACE, Fort Worth District (CESWF).
Authorization for performance is contained in Contract No. W912BV-04-D-2016,
Delivery Order DY02, issued to MKM by USACE, CESWF on May 30, 2006. The
contract was novated to PIKA in May 2008.

182 This work was accomplished in accordance with (IAW) the guidelines set forth in 183 the SOW and applicable Department of Defense (DoD) guidance for MEC 184 clearance operations. All work was accomplished IAW the SOW, USACE Safety 185 Manual (EM 385-1-1, USACE 2003), 29 CFR1910.120, the Approved Site-Specific 186 WP (MKM 2008) with its integral Accident Prevention Plan (APP), Engineering 187 Pamphlet (EP) 385-1-95a, Basic Concepts and Considerations for Ordnance and 188 Explosive Operations (USACE 2003), DIDs, and other USACE guidance 189 documents.



190 **1.2 Site Location**

FWDA is located in northwestern New Mexico in McKinley County, approximately
8 miles east of Gallup, New Mexico. The terrain is best described as gently hilly
to steep inaccessible terrain that has mixed pine and hardwood forests.
Appendix A contains Figure 1-1, a generalized map of the project location, and
Figure 1-2, illustrating the location of Parcel 3.

196 **1.3 Site History**

197 FWDA is an inactive U. S. Army depot whose former mission was to store, ship, 198 and receive material and to dispose of obsolete or deteriorated explosives and 199 military munitions. Fort Wingate was established in 1860. In 1941, the Fort 200 underwent major construction and expansion of the administration and igloo 201 areas. In 1971, the depot was placed in reserve status and renamed Fort 202 Wingate Depot Activity. From 1975 to 2008, the installation was under the 203 administrative command of the Tooele Army Depot in Tooele, Utah. The active mission of FWDA ceased and the installation closed in January 1993, as a result 204 205 of the Defense Authorization Amendments and Base Realignment and Closure 206 (BRAC) Act of 1988. The installation is now under the administrative command 207 of White Sands Missile Range (WSMR).

208 The installation is almost entirely surrounded by federally owned or administered 209 lands, including both national forest and tribal lands. North and west of FWDA 210 are Navajo tribal trust and allotted lands. The Bureau of Indian Affairs (BIA) 211 administers the land east and south of Parcel 3 (Parcel 1). The land to the west 212 is mostly undeveloped and is tribal trust and allotment land administered by the 213 BIA, Navajo Nation, and individual Native American allottees. FWDA currently 214 occupies approximately 24 square miles (15,273 acres) of land with facilities 215 formerly used to operate a reserve storage facility providing for the care, 216 preservation, and minor maintenance of assigned commodities—primarily 217 conventional military munitions.

218 **1.4 Objectives and Scope**

The primary objective of this project was to confirm and define the outer boundary of the kickout from operations at the OB/OD area. This was



accomplished by using analog geophysical equipment to survey transect lines
and identify the locations of surface and subsurface anomalies that may
represent MEC or MD associated with the former activities at the OB/OD Unit.



224 **2.0 TECHNICAL EFFORT**

PIKA established two boundaries around the site to investigate and define thekickout area in Parcel 3:

- Fence line or the farthest known anomalies (MEC/MD) and;
- A parallel transect line 275 feet (ft) away from that line, as required by
 the RCRA permit. This line became the outer transect boundary for this
 investigation.
- This outer transect line was the first of two investigation transects used to determine the kickout boundary.

Second transects were established every 100 ft from the outer transect boundary outward away from the OB/OD area. The 100-ft line spacing was chosen based upon the USACE Engineering Manual 1110-1-4009, Military Munitions Response Actions (USACE 2007). Table 7-1 in Engineering Manual 1110-1-4009 recommends that the area for investigation for sector sizes greater than 1,000 acres is 0.50% to 0.75% of the total area. With transects every 100 ft, the investigation conducted exceeded these requirements.

Then, using hand-held analog geophysical equipment, PIKA conducted a survey of the transects to locate and identify the surface and subsurface metallic anomalies that potentially represented MEC/MD items. Figure 2-1 (Appendix A) shows where the kickout boundary and the transects were established during the investigation.

When a potential MEC/MD item was detected in the investigation area, the transect was extended 275 ft out from that location. This procedure was followed until no MEC/MD items were detected in the area. All anomalies identified using geophysical survey methods were investigated and/or reacquired for intrusive characterization to determine whether the anomaly was a MEC/MD item associated with the OB/OD area activities.

PIKA utilized a Trimble 5700 RTK global positioning system (GPS) to place thetransect locations accurately along the Parcel 3 boundary. GPS coordinates were



253 generated for the start and finish of each transect as well as the position of 254 MEC/MD items discovered and recovered during the kickout delineation task.

Exactly 140,863 ft (almost 27 miles) of transects were investigated.

Given property access issues, terrain, and archaeological concerns, not all transects could be investigated as planned. Figures 2-2 (Appendix A) illustrates the transects that were investigated during the field effort. Transect Sheets were completed and identify the length of each transect investigated, the location of anomalies detected, and the number and type of each anomaly identified. Transect Sheets are included in Appendix B.

262 **2.1 Equipment**

In compliance with the RCRA permit requirements (Section IV.A), the kickout area geophysical survey included the use of the best-available technology based on a site-specific geophysical proveout. PIKA adopted a two-pronged approach to investigate the transects: using hand-held analog geophysical equipment as the primary investigation tool, and using EM61 DGM for quality control (QC) in areas where feasible.

269 2.1.1 Hand-Held Analog Geophysical Equipment

Unexploded ordnance (UXO) personnel used the Schonstedt GA-52Cx Heliflux magnetometer (52 CX) to locate ferrous anomalies and the Whites Spectrum XLT (XLT) to locate non-ferrous anomalies. The depth of detection for a given item depends on the size and orientation of the target item, as well as the characteristics of the soil. Prior to the use of both the 52 CX and the XLT at the FWDA facility, a test plot was established for testing these instruments.

276 2.1.2 Digital Geophysical Mapping (Quality Control)

DGM was used for QC purposes. The area that underwent the DGM QC covered approximately 14,098 linear feet (2.7 miles). The Geonics EM61 MK2 time domain metal detector was used to collect geophysical data at the site. This instrument was chosen based on its ability to detect both ferrous and nonferrous metal items. In addition, it was successful at detecting 100% of known seed items during the geophysical proveout (GPO).



Navigation was provided using the Trimble Real-Time Kinematic (RTK) GPS. The
manufacturer's specified accuracy for the RTK system is ±10 millimeters (mm)
horizontal. The geophysical mapping system captured all positional and
instrumental data digitally for subsequent analysis and evaluation. The field
geophysicist queried the Web-based almanac to monitor satellite availability.
The DGM activities are discussed in more detail in Section 4.3.

289 2.2 Site Preparation

290 PIKA conducted limited tree and brush clearing before geophysical data 291 collection began. Whenever possible, the transects were diverted around trees 292 to avoid tree or brush removal. For this investigation, the term "clearance" was 293 defined as removal of obstructing branches, limbs, stalks, leaves, or other above-294 ground growth; no plant roots or root zone soils were removed. The vegetative 295 clearance for this investigation included removing obstructing branches, limbs, or 296 stalks because they impeded equipment being utilized in this investigation. All 297 brush clearing was done in coordination with the Zuni and Navajo cultural and 298 archeological subcontractors.

299 2.3 Site Removal Action

300 PIKA performed the investigations using hand-held analog geophysical 301 equipment to complete the removal of all detected anomalies in the investigation 302 area. To ensure positional control of the mag, flag, and dig operation, 3-ft-wide 303 transects were delineated along the perimeter of the site boundary and on 275-ft 304 lengths around the parameter of Parcel 3. These transects were investigated to 305 find surface and subsurface anomalies that potentially represented MEC/MD 306 items. Hand-held detectors were used to process each search lane 307 systematically and mark anomaly locations. The floor of each transect was 308 cleared to the detection limit of the instruments described in Section 2.1 of this 309 document. Follow-up DGM and visual inspections were used to verify the 310 removal actions from 10% of the area to meet QC requirements.

Initial and daily instrument tests were performed in accordance with MR-005-05,
Geophysical Investigation Plan (USACE 2003). Suspected MEC/MD items
detected on or near the surface or the subsurface during the investigations were



314 marked with two crossed pin flags. Suspected MEC was then inspected by the 315 Unexploded Ordnance Technician III (UXO Tech III) Team Leader to determine 316 the nature of the items. If a suspected item was identified as MEC/MD, a digital 317 photo was taken and the position was recorded by using the established transect 318 numbers and GPS. Transect measurements were collected in feet and originated 319 from the boundary line to record MEC/MD locations.

All of the items removed were determined to be either MD or scrap metal; no MEC was encountered. Items were excavated and removed by a two-person UXO team, and the hole was checked with a magnetometer. If no more anomalies were detected, the hole was refilled and tamped. All items were stored in earth covered magazines (ECMs), as described in Section 2.5.

325 **2.4 Planned Transects not Investigated**

Given the terrain, a number of the planned transects could not be investigated.
Figure 2-2 in Appendix A also illustrates the transects that were not investigated,
and these are listed in Appendix C.

329 **2.5 Storage of Removed Items**

All MD removed from the investigation area was stored under the "Conditional Exemption" (CE) provision in the Munitions Rule (MR) (62 FR 96621) promulgated by the Environmental Protection Agency (EPA). The State of New Mexico has adopted the MR and 40 CFR Part 266 (NMAC 20.4.1.700) that sets forth two approaches for the storage of waste military munitions (WMM): CE Storage and Permitted Storage.

Eight (8) ECMs ("igloos") within the explosive storage area B have been designated for CE Storage of WMM. MD and scrap metal removed from the investigation area were stored within these CE igloos. Final disposition of MD and scrap metal will be performed IAW the final Kickout Investigation WP (MKM 2008).



341 **2.6 Waste Management**

342 Items removed from the transects were separated by type (MD or scrap metal, 343 no MEC was encountered) and placed within the CE igloos (see Section 2.5). It 344 is planned to treat MEC within the Corrective Action Management Unit (CAMU) at 345 a later date. The CAMU is included in a Class III permit modification that is 346 currently being reviewed by NMED. Following treatment of MEC within the 347 CAMU, the MEC and MD will be processed through a thermal convection system 348 (TCS) to enhance the recycle value of the metal. The TCS is a non-permitted 349 activity. All of the metal (MEC, MD, and scrap) will then be shipped off-site to an 350 approved off-site metals recycling facility.

351 **2.7 Explosives Accountability**

Explosives were received and stored within the CE igloos for the duration of the project. Because no items were required to be blown in place, the explosives were unused and were sent to another project site at the end of field activities. Explosive accountability records and shipment documentation are included in Appendix D.



357 **3.0 SAFETY**

The APP was developed for the USACE/CESWF as part of the WP (MKM 2008) generated in support of the SOW for this project.

During the course of work, PIKA personnel were involved with activities that exposed them to chemical, physical, and biological hazards, which PIKA controlled through the use of engineering, administrative, and personal protective equipment controls. Additionally, because the operations conducted during this project were governed by the Occupational Safety and Health Administration (OSHA) hazardous waste standard in 29 CFR 1910.120 and 1926.65, MKM developed a Site Safety and Health Plan (SSHP) for this project.

367 During the SSHP development, MKM conducted an activity hazard analysis (AHA)368 of the tasks outlined below:

- Mobilization, site set-up;
- Location surveying and transect layout;
- Brush clearance;
- Geophysical surveying;
- Anomaly investigation;
- Quality control inspections;
- Demolition of MEC items;
- Inspection/handling of MD and non-MD scrap; and
- Site tear-down and demobilization.

The results of the AHA were expressed in the MKM Certification of Activity Hazard Analysis (CAHA) forms presented in an attachment to the APP. Additional information on the activity hazard assessment process and the hazards associated with the tasks presented below were presented in Section 3.0 of the FWDA SSHP. As required by OSHA in 29 CFR 1910.120(i) and 1926.65(i), PIKA provided all site personnel with hazard information training prior to their



participation in site operations. The content of this and all required site-specifictraining was outlined in detail in Section 5.2 of the SSHP.

386 **3.1 Emergency Response Training**

All PIKA personnel potentially involved with responding to an on-site emergency were briefed on their roles and responsibilities as part of the initial indoctrination training. During this training, PIKA personnel were briefed on the procedures in the emergency response and contingency plan presented in Section 15.0 of the SSHP.

392 **3.2** Supervisor/Employee Safety Meetings

393 PIKA conducted a Site and Task Hazard Briefing prior to the deployment of 394 personnel each day. This briefing was conducted by the Senior UXO Supervisor 395 (SUXOS) and augmented by the UXO Safety Officer (UXOSO). During this 396 briefing, all PIKA and subcontractor personnel were briefed on the tasks to be 397 conducted that day, the hazards associated with the tasks, and the mitigation 398 methods that would be employed by site personnel to reduce or eliminate their 399 risk of exposure.

400 **3.3 Safety and Health Inspections**

401 Daily inspections were conducted by both the SUXOS and the UXOSO to ensure
402 that site operations and personnel were complying with the APP, SSHP, and
403 other regulatory requirements.

404 **3.4 Exposure Data**

As required by MR-080, Monthly Status Report (USACE 2003), the PIKA Project Manager (PM) coordinated with the PIKA Corporate Environmental Safety and Health Manager on a monthly basis to ensure the acquisition and presentation of the exposure data. This included the number of man-hours expended on the contract, any reportable accidents that occurred during the month, and any reportable accidents that may have accumulated since the project start. The exposure data for this project are as follows:



412	•	Man-Hours Recorded in Direct Support for project: 3,337
413	٠	Number of Lost Workday Accidents: 0
111		

- Number of Lost Workdays Due to On-the-Job Accidents: 0
- Number of Property Damage Accidents with Property Value of >\$2,000: 0

416



417 **4.0 QUALITY CONTROL**

418 **4.1 UXO Quality Control Specialist (UXOQCS)**

The UXO Quality Control Specialist (UXOQCS) was responsible for verifying that all project activities complied with the approved plans and procedures. The following QC-related monitoring responsibilities for the definable features of work for the project were conducted by the project UXOQCS:

- Coordinated with the CESWF and Ordnance and Explosives Safety
 Specialist (OESS) to ensure that QC objectives appropriate to the project
 were set and all personnel were aware of these objectives;
- Maintained a QC log to document details for field activities during QC
 monitoring activities to serve as a memory aid in preparation of the Daily
 QC Report;
- Coordinated with PIKA's Quality Assurance Manager (QAM) to ensure that
 QC procedures were being followed and were appropriate for achieving
 data validity sufficient to meet QC objectives;
- Conducted periodic QC surveillances of all site activities using a three phase inspection process and recorded the findings in the Daily QC Report
 for the Preparatory, Initial, and Follow-up QC Report;
- Reported noncompliance with QC criteria to PIKA's QAM, PM, and SUXOS,
 identified the root cause of the nonconformance, and documented these
 nonconformances on the PIKA Nonconformance Report;
- Initiated a Rework Items List on nonconformance areas that had to be reaccomplished to meet quality specifications;
- 440 Conducted QC meetings as required by the CESWF and recorded meeting
 441 outcomes in the Daily QC Report;
- Coordinated with the responsible parties to initiate the proper corrective
 actions to be taken in the event of a QC deviation and documenting these
 actions on the Corrective Action Request (CAR); and
- Ensured that lessons learned were documented and forwarded to the
 PIKA QAM for analysis.



447 **4.2** Three-Phase Inspection Process

The UXOQCS ensured that a three-phase control process was implemented for each definable feature of work. Each control phase was important for obtaining a quality product; however, the preparatory and initial inspections were particularly invaluable in preventing problems. Production work was not performed on a definable feature of work until a successful preparatory and initial phase inspection had been completed.

454 *4.2.1 Preparatory Phase Inspection*

A preparatory phase inspection was performed before beginning each definable
feature of work. The purpose of this inspection was to review applicable
specifications and verify that the necessary resources, conditions, and controls
were in place and compliant before the start of work activities.

The UXOQCS verified with the client that all pre-requisite submittals had been delivered and approved. The UXOQCS met with the SUXOS and the staff responsible for the definable features of work. He then generated and used a Preparatory Phase Inspection Checklist customized to fit the specific feature of work and site conditions.

464 *4.2.2 Initial Phase Inspection*

An initial phase inspection was performed the first time a definable feature of work was performed. The purpose of the inspection was to:

- 467 Check the preliminary work for compliance with established procedures
 468 and contract specifications;
- Verify inspection and testing and establish the acceptable level of workmanship;
- 471 Check safety compliance and review minutes of the preparatory phase
 472 meeting; and
- Check for omissions and resolve differences of interpretation.



The UXOQCS was responsible for ensuring that all discrepancies between site practices and approved specifications were identified and resolved. The UXOQCS also monitored the MEC operations and any response actions conducted at the worksite.

478 *4.2.3 Follow-up Phase Inspection*

479 A follow-up phase inspection was performed each day a definable feature of 480 project work was performed. The purpose of the inspection was to ensure 481 continuous compliance and a high level of workmanship. The UXOQCS was 482 responsible for on-site monitoring of the practices and operations taking place 483 and verifying continued compliance with the specifications and requirements of 484 the contract and approved project plans and procedures. The UXOQCS was also 485 responsible for verifying that a daily health and safety inspection was performed 486 and documented as prescribed in the SSHP.

487 **4.3 Digital Geophysical Mapping (DGM)**

488 *4.3.1 DGM Objectives*

DGM was conducted with digital geophysical equipment to confirm the absence
of MEC/MD outside the kickout boundary. The DGM activities consisted of
collecting transect and meandering path data inside the buffer zone following
completion of the transect survey. Approximately 14,098 linear feet (2.7 miles)
were covered during the DGM activities.

494 *4.3.2 DGM Equipment*

Digital geophysical data was collected with the Geonics[®] EM61-MK2 time-domain metal detector. The EM61 system was employed because of its ability to detect both ferrous and non-ferrous metals and its success at detecting 100% of known seed items in the GPO test plot. In addition, this system is sensitive to buried metal, relatively insensitive to magnetic rocks and soils, and collects data quickly and efficiently.

501 The EM61-MK2 (Figure 4-1, Appendix A) consists of a single set of 0.5-meter by 502 1.0-meter coils. The transmitter coil generates a pulsed primary magnetic field in 503 the earth which induces eddy currents in nearby metallic objects. The eddy



504 current decay produces a secondary magnetic field measured by the receiver 505 coils. The responses are recorded and displayed by an integrated data logger.

506 Navigational control was achieved with the Trimble GPS Total Station 507 5700/5800[®]. This system provides RTK positioning with an accuracy of about 1 508 centimeters (cm) for stationary positions and about 6 inches for moving 509 platforms. The GPS 5700 base station was set up on a known survey point and 510 the GPS 5800 rover antenna was integrated with the EM61 mapping platform as 511 shown in Figure 4-2 (Appendix A).

512 *4.3.3 Data Coverage*

Approximately 14,098 linear feet (3.6 miles) of digital data were collected during QC mapping as shown in Figure 1-2 (Appendix A). QC data coverage was designed to ensure portions of the north, south, east, and west areas of the buffer zone were traversed during the survey. A breakdown of data coverage is shown in Table 4-1 below.

518 519

Table 4-1

EM61-MK2 Data Coverage

Area	Linear Feet
North	3,772
East	5,245
West	4,106
South	975
Total	14,098

520

521 Because dense ground vegetation and tree coverage hindered EM61 access to 522 the survey area, QC mapping operations were not able to adhere to the 523 established transect lines as planned. As a result, digital data coverage consisted 524 of a combination of transect lines and meandering paths.



525 *4.3.4 Geophysical Proveout (GPO)*

A GPO was conducted prior to commencement of the digital geophysical survey.
Details concerning the GPO can be found in the GPO report dated February
2007. Results of the GPO were used to determine the optimum survey logistics
and mapping quality objectives for the geophysical survey.

A survey transect was established at the GPO test plot and was mapped before beginning QC mapping. The transect was mapped twice more during the QC survey – once with the instrument in wheel mode and once in the litter mode configuration (Figure 4-2, Appendix A). The results were used to aid in data interpretation and to ensure data consistency among the different instrument configurations.

As detailed in the GPO report, all seed items that were detected in the original EM61 data were also detected in each subsequent data set. The data collected in wheel mode show lower magnitude responses than the original over some of the seed items because the survey path was located slightly further west than the original path. Similarly, data collected in litter mode show slightly lower magnitude readings because this mode requires the EM61 coils to be located at a greater distance from the ground.

543 4.3.5 EM61-MK2 Data Collection

544 EM61-MK2 data were collected in the wheel configuration in the north buffer 545 area where the terrain is relatively flat and open. However, access to the east, 546 west, and south areas with the wheeled cart was severely limited owing to dense 547 ground vegetation and tree cover. To maximize data coverage in these areas, 548 the EM61 system was converted to litter mode as shown in Figure 4-3 (Appendix 549 A).

EM61 data collection occurred at a rate of 10 readings per second. The EM61
array was pulled or carried at an average speed of about 2.5 miles per hour,
resulting in an average data point spacing of less than 0.4 ft along survey lines.
Positional data were recorded at 5 samples per second utilizing an integrated
Trimble 5800 GPS rover. All data were stored in a hand-held computer carried
by the instrument operator.



556 4.3.6 Global Positioning System (GPS)

557 A GPS base point was established in November 2006 as part of the GPO process. 558 This was accomplished by collecting satellite location information at a single 559 point for a period of 2.5 hours. This point was utilized as survey control for all 560 data discussed in this report. The accuracy of the base point was checked 561 before beginning data collection in September 2008 by mounting the GPS base 562 receiver over the point and using the GPS rover to measure the coordinates of 563 the previously established GPO corner stakes. The level of accuracy was 564 determined to be within 1.0 inch for all checked points. GPS accuracy was 565 checked on a daily basis throughout the survey, as discussed in section 4.6.2.

566 The base point was marked in the field with a wooden stake, flagging, and metal 567 rebar. It is recommended that this point be used as a reference for all future 568 investigations involving the relocation of the data presented in this report. The 569 coordinates utilized for this point during QC mapping are listed in Table 4-2.

570

571

Table 4-2

Base Station Point Coordinates

Point	Universal Transverse Mercator Easting	Universal Transverse Mercator Northing	State Plane Easting	State Plane Northing
Base	716274.49	3926571.86	2489793.20	1623350.67
	NAD83, UTM Z	one 12N, Meters	NAD83, State Plane New	Mexico West, US Feet

572

573 *4.3.7 Data Processing and Target Selection*

574 Geophysical data were processed and analyzed with Geosoft's UX-Detect 575 application for the Oasis montaj[©] mapping software. During data processing, the 576 following steps were adhered to:

- The EM61 and GPS data were merged into a single data stream with
 DAT61MK2 software using the time stamp to interpolate electromagnetic
 (EM) measurements between GPS locations.
- All data files were checked for correctness and completeness.



- 581 Bad data points, such as spikes, were removed from the EM data. 582 GPS points indicating a low level of positioning accuracy were removed • 583 from the data files. The level of accuracy is determined by the quality 584 indicator, which is included in the GPS data string. For the EM61, a 585 quality index of 4 is necessary to ensure centimeter-level accuracy. 586 • A latency correction was applied to the combined data to account for the 587 time lag between EM and GPS data streams. 588 All data files were warped into NAD83 State Plane Coordinates, U.S. 589 Survey Feet. 590 • Data were evaluated for optimum data collection variables, including 591 speed of data collection and data collection frequency along survey lines.
- Data profiles were reviewed for anomalous responses by the project
 geophysicist. The Oasis montaj UX-Detect software was used to select
 target anomalies.
- EM61 target anomalies were displayed on the geophysical maps.
 Anomalies picked from the EM61 data were tabulated in the dig sheets
 and provided to the dig teams for reacquisition and intrusive investigation.

598 *4.3.8 Target Reacquisition and Anomaly Investigation*

All target anomalies were reacquired and investigated. Anomaly investigations were led by a qualified UXO technician. The positions of target anomalies were verified with a Schonstedt GA-52CX and then dug by hand. The results of each dig are documented in the QC Target Lists (Appendix E). No MEC/MD were uncovered during anomaly acquisition and reacquisition.

604 *4.3.9 DGM Results*

Approximately 14,098 linear feet were geophysically mapped during the DGM activities. Color maps of the EM61 data are shown in Figures 4-4 through 4-7. The figures depict Channel 2 of the EM61 data in New Mexico State Plane coordinates. The locations of target anomalies have been superimposed on the maps. A total of 76 anomalies were reacquired and investigated based on the



- 610 results of the QC survey. No MEC/MD were uncovered during the investigation.
- 611 The results of the QC mapping are summarized in Table 4-3.
- 612
- 613

Table 4-3 QC Mapping Results

Collection Date	EM61 Mode	Coverage (linear feet)	Target Anomalies	Number of MEC/MD	Number of NC	
9/16/2008	Wheel	3,772	18	0	10	
9/17/2008	Litter	5,245	31	0	2	
9/22/2008	Litter	4,106	27	0	2	
9/23/2008	Litter	975	0	N/A	N/A	
Total		14,098	76	0	14	

The no-contact (NC) rate for data collected on 9/16/08 was significantly higher than for data collected on the remaining field days. Because of this, all NC points for the 9/16/08 data set were reacquired and investigated a second time. The findings are shown in Table 4-4 on the following page and reported in the target list located in Appendix E.

Three different metal detectors were used to reacquire target anomalies during
the second investigation – an EM61-MK2, a White's Metal Detector, and a
Schonstedt. This course of action resulted in eliminating two of the NC findings,
but did not significantly reduce the overall NC rate.

- 623
- 624

Table 4-4

Second Investigation of 9/16/08 Targets

Target ID	Original Reading (Channel 2 millivolts)	Reacquisition Reading (Channel 2 millivolts)	Schonstedt	Whites
4	6.3	>1	NC	NC
5	2.5	1' wire		
6	2.5	0.8	NC	NC
7	2.9	Spam can key		
8	3.5	1.5	NC	NC
9	2.7	>1	NC	NC



Table 4-4 (Continued)

Second Investigation of 9/16/08 Targets

625

626 627

Target ID	Original Reading (Channel 2 millivolts)	Reacquisition Reading (Channel 2 millivolts)	Schonstedt	Whites
10	4.9	>1	NC	NC
11	2.2	>1	NC	NC
13	3.3	1.1	NC	NC
14	6.4	Nail		
16	2.7	>1	NC	NC
17	4.7	1.5	NC	NC
18	4.1	1.5	NC	NC

628

After completion of the second investigation, a root cause analysis was
conducted to determine the cause of the high NC rate for the 9/16/08 data set.
QC test data for all field days were reviewed to confirm equipment functionality
and GPS location accuracy. In addition, data profiles and target locations were
reviewed and evaluated for inconsistencies.

634 During this process, it was recognized that the 9/16/08 data set was the only 635 one in which the EM61 was operated in its wheeled configuration. When 636 compared to operating the unit in litter mode, wheel mode has two distinct 637 differences. First, the coils are located closer to the ground. Proximity to ground 638 surface and associated metal influences EM61 coils, causing overall higher 639 readings. Second, the equipment is in contact with the ground surface via the 640 wheels. This can cause increased system noise from wheel motion. Both of 641 these factors can increase the chances of EM61 readings being influenced by 642 site-specific terrain issues, such as uneven ground, vegetation, and magnetic 643 rocks and soils.

These influences are typical for EM61 wheel-assembly operation and may be
accounted for during data analysis depending on data collection procedures. For
example, when data are collected in grids with multiple parallel lines, motional



647 noise often results in anomaly signatures that are noticeably different than those 648 caused by buried metal. However, the data discussed in this report were 649 collected along transects with only a single line of EM61 data. For this type of 650 data, the full extent of each anomaly cannot be resolved, so the ability to 651 eliminate anomalies caused by motional or terrain noise is reduced.

652 In fact, no attempt was made to discriminate anomalies caused by noise from 653 those associated with buried metal. A conservative approach was used during 654 data interpretation because of the limited amount of information contained in the 655 EM61 data profiles. Anomalies with magnitudes higher than background were 656 selected for investigation. Anomaly size was not considered as a discrimination 657 factor given the possibility of metal items lying some distance from the path 658 traversed with the EM61. All data sets were evaluated in the same manner, 659 regardless of wheel or litter-mode operation.

To summarize this root cause analysis, all equipment functionality and operational checks passed QC. Furthermore, the re-investigation of NC targets for the 9/16/08 data set did not result in significant changes to the overall results. After careful review of the geophysical data, it has been determined that the high number of NC targets is attributable to a combination of factors that disproportionately influence the EM61 system when it is used in wheel mode versus litter mode. These differences are as follows:

- Higher readings for data collected in wheel mode compared with litter
 mode were attributable to increased proximity to the ground.
- Wheel motion caused system noise.
- Increased terrain noise was caused by a decrease in the distance from
 magnetic rocks and soils compared with litter mode.
- Increased terrain influence was caused by equipment contact with uneven ground and low-lying scrub brush.
- Incomplete anomaly signatures, resulting from single-profile datat
 collection, produced discrimination options.
- 676 Conservative interpretations were applied all data sets, regardless of
 677 system configuration.



678 **4.4 Documentation and Document Control**

Documents for this project were prepared, reviewed, approved, and issued IAW
the PIKA Corporate Quality Control Plan. A master project file included plans,
drawings, specifications, calculations, procedures, daily and weekly field reports,
audits, and telephone records.

Daily SUXOS reports are included as Appendix F. Weekly reports, includingphoto documentation, are included in Appendix G.

685 4.5 Data Management

686 All data were managed IAW the PIKA Corporate Quality Control Program. Hard 687 copies and electronic copies of the data were maintained at the field office.

688 **4.6 Data Quality Objectives**

Data quality objectives (DQOs) were based on the concept that different data
uses require different quality metrics. Data quality was defined as the degree of
certainty with respect to precision, accuracy, representativeness, completeness,
and comparability required of a data set.

693 DQOs are both qualitative and quantitative statements specifying the data 694 standards required to support the project. The DQOs developed during project 695 planning served as standards against which project objectives were measured. 696 This approach helped to ensure that data of sufficient type, quality, and quantity 697 were collected to document and facilitate appropriate response actions that 698 addressed safety, public health, and the environment.

699 The DQOs for the 52 CX and XLT included the following:

 Prior to use, all hand-held analog geophysical equipment will be checked and calibrated against a known ferrous and non-ferrous anomalies. These instruments will be checked using the established geophysical test plot. The purpose of this test/calibration is to ensure that the instruments are operating properly and to appropriately adjust the sensitivity level of the instruments.



- Analog geophysical equipment items will be checked against the known source to ensure they are operational and capable of detecting ferrous and non-ferrous objects. Each day the operator will perform this test before placing the instrument into operation. Detectors that fail to detect the simulators or metallic sources in the field will be considered to have failed QC and will be removed from service until repaired.
- 712 The DQOs for DGM activities included:
- Instrument latency DQO: Instrument latency was corrected based on the lags or time differences observed in anomaly peak positions. Corrections were applied using an appropriate correction routine that accounts for instrument latency time and sensor velocity. "Zig-zag" or "chevron" effects should not be visible in the data maps when plotted at the scales used to detect the smallest amplitude signal for a given UXO item.
- Navigation: The sum of all data positioning errors in the final datasets did not exceed ±1.0 ft. This DQO was specific to the reported positions of the State Plane coordinates for each data point in the final version of geophysical data. Many factors affect differential global positioning system (DGPS) accuracies, including position dilution of precision, base-station geodetic coordinate accuracies, carrier phase ambiguity resolution, and the like.
- EM61 drift correction DQO statement: For any given set of EM data, all
 data channels were leveled using the same routines and parameters.
- Processing DQO statement: All drift corrections and/or filtering routines
 that are applied to data sets were evaluated independently to confirm that
 those routines did not alter the nature of the original measured response.
- Sampling density DQOs: Along-track sampling densities should not exceed
 0.5 ft. The across-track line spacing should not exceed 3.0 ft.
- Anomaly selection DQO: All anomaly selections were reviewed by the senior geophysicist, or one of his/her designees, to ensure they were reasonable for the intended purpose of the project.
- Survey navigation DQO: The positioning data shall not exceed the DQO metric of 1.0 ft. This was measured daily as part of the latency loop test,



where the navigation tracks were compared to the precise coordinates of
a known point on the surface. This offset of the tracks with the known
location was recorded in the daily processing notes.

741 **4.7 Equipment Calibration and Testing**

All instrumentation used on site was response-checked IAW the manufacturer's specifications before and after use each day. All equipment used at the OB/OD Unit Kickout Area Delineation was dedicated solely to the project until the project was completed or until it was no longer needed. If equipment field checks indicated that any piece of equipment was not operating correctly, and field repair could not be made, the equipment was tagged and removed from service until it was repaired IAW manufacturer's specifications.

749 *4.7.1 Communication Equipment*

Before commencing operations each morning, radios and cellular phones were checked. Radios were function checked to ensure batteries were charged and the radios were operational. Cellular phones were checked to ensure they were operational. If communications were lost, either between teams and the command post or off-site to emergency services, work ceased until communications were restored.

756 *4.7.2 EM61-MK2*

The EM61-MK2 was allowed to warm up before operation to minimize sensor
drift caused by thermal stabilization. Data readings were monitored until they
stabilized.

A six-line test was conducted as part of the initial instrument tests on the first day of the geophysical investigation to optimize data quality: The six-line test consisted of acquiring six passes of data over a single line with each geophysical instrument used at the site.



764 Personnel Test

765 Personnel tests were conducted to ensure that survey personnel had removed all 766 potential interference sources from their bodies. Common interference sources, 767 such as ballpoint pens, steel-toed boots, or large metallic belt buckles, could 768 produce data anomalies similar to MEC targets. Instrument operators and 769 personnel who were coming within close proximity to geophysical sensors during 770 survey operations moved around the stationary operating instrument to scan for 771 any effects by remaining metal on their person. The acceptance criterion of the 772 EM61 MK2 is ± 2 millivolts (mV).

773 Measure and Record Sensor Position

The position of the geophysical sensors were measured over a known survey point. The measured position was recorded and compared with the known position. Acceptance criterion of ± 1.0 inch (2.54 cm) was used.

777 Cable Shake Test

The purpose of this test was to identify and replace shorting cables and broken pin-outs on connectors. The cable shake test consisted of running the instrument in static mode and shaking all cables while monitoring instrument response. If a short was found, the cable was marked and replaced.

782 Null Instrument

The EM61 MK2 was nulled before performing static tests, instrument response
tests, or data collection. The EM61 MK2 utilizes software to perform nulling,
zeroing all channels simultaneously.

786 Static (Background) and Instrument Response Test

The static and instrument response test was performed in an area that was free of metal and sufficiently far from power lines, transmitters, or other sources of electromagnetic noise. The test location was clearly marked with survey lathe that was used throughout the duration of the project. The static (background) response was used to ensure that stable readings are collected by all geophysical



instrumentation. The instrument response was used to determine the
repeatability of the instruments to a standard test item. The test item consisted
of a standard 2-inch-diameter steel trailer ball.

Before performing this test, the instrument was sufficiently warmed up and nulled. The instrument was placed at its normal operating height, and static background readings were collected for a minimum of 3 minutes. The test item was placed below the sensors, and data were collected for 1 minute. The test item was then removed and data were collected for an additional minute. The operator reviewed the readings to confirm their stability before continuing with the geophysical survey. This test was conducted in the morning and evening.

802 Acceptance criteria were:

- Static background test: ±2.5 mV
- Static spike test: ±20% of standard item response, after background
 correction.

806 4.7.3 Analog Geophysical Equipment

Prior to use, all hand-held analog geophysical instruments were checked and calibrated against known ferrous and non-ferrous anomalies. These instruments were checked using the established geophysical test plot. The purpose of this test/calibration was to ensure that the instruments were operating properly and that the sensitivity levels were appropriately adjusted.

The detectors were checked against the known source to ensure they were operational and capable of detecting ferrous and non-ferrous objects. Each day the operator performed this test before placing the instrument into operation. Detectors that failed to detect the ferrous and non-ferrous sources in the field were considered to have failed QC and were removed from service until repaired.

817 Personnel Test

818 Personnel tests were conducted to ensure that survey personnel had removed all 819 potential interference sources from their bodies. Common interference sources,



such as ballpoint pens, steel-toed boots, or large metallic belt buckles, whichcould produce data anomalies similar to MEC targets, were removed.

822 Cable Shake Test

The purpose of this test was to identify and replace shorting cables and broken pin-outs on connectors. The cable shake test consisted of running the instrument in static mode and shaking all cables while monitoring instrument response. If a short was found, the cable was marked and replaced.

827 *4.7.4 Global Positioning System*

Each unit was checked for adequate battery voltage, correct configuration, and receipt of sufficient data to compute three-dimensional positions. Hand-held GPS units must provide ± 10 ft accuracy. Hand-held GPSs that did not meet this standard were considered to have failed QC and were removed from service until they met the standard.

833 **4.8 Audits**

A UXOQCS was on site full time to conduct daily audits of MEC activities and documentation.

Audits were performed by the QC specialists who provided information on
multiple project tasks, identification of items not initially in the project WP,
lessons learned, and/or practices to consider as the project moved forward.

As part of the QC process, PIKA conducted audits and surveillance at the site to ensure that all procedures and protocols were being followed and that the resulting data were accurate and defensible. Field audits concentrated on both surface and subsurface sweep procedures, mapping operations, proper documentation, and checks of resulting data for completeness and accuracy within established QC limits.



845 **5.0 SUMMARY OF FIELD OPERATIONS**

PIKA mobilized teams at the site on August 17, 2008. The personnel finalized
logistics and met with key personnel in charge of range operations to coordinate
field work, enabling the teams to commence field operations on August 18.
Exactly 726 transects were investigated, totaling 140,863 linear feet, with PIKA
QC evaluation totaling 14,098 linear feet. Direct support of field operations
ended on September 25, 2008.

- 852 During the project, the following data were recorded:
- Linear Feet of Transects Cleared 140,863
- Linear Feet of DGM 14,098
- Number of Targets Dug 1,466
- MEC Items Recovered 0
- MD Recovered (lb estimated) 503
- Scrap Metal Recovered (lb estimated) 206
- 859



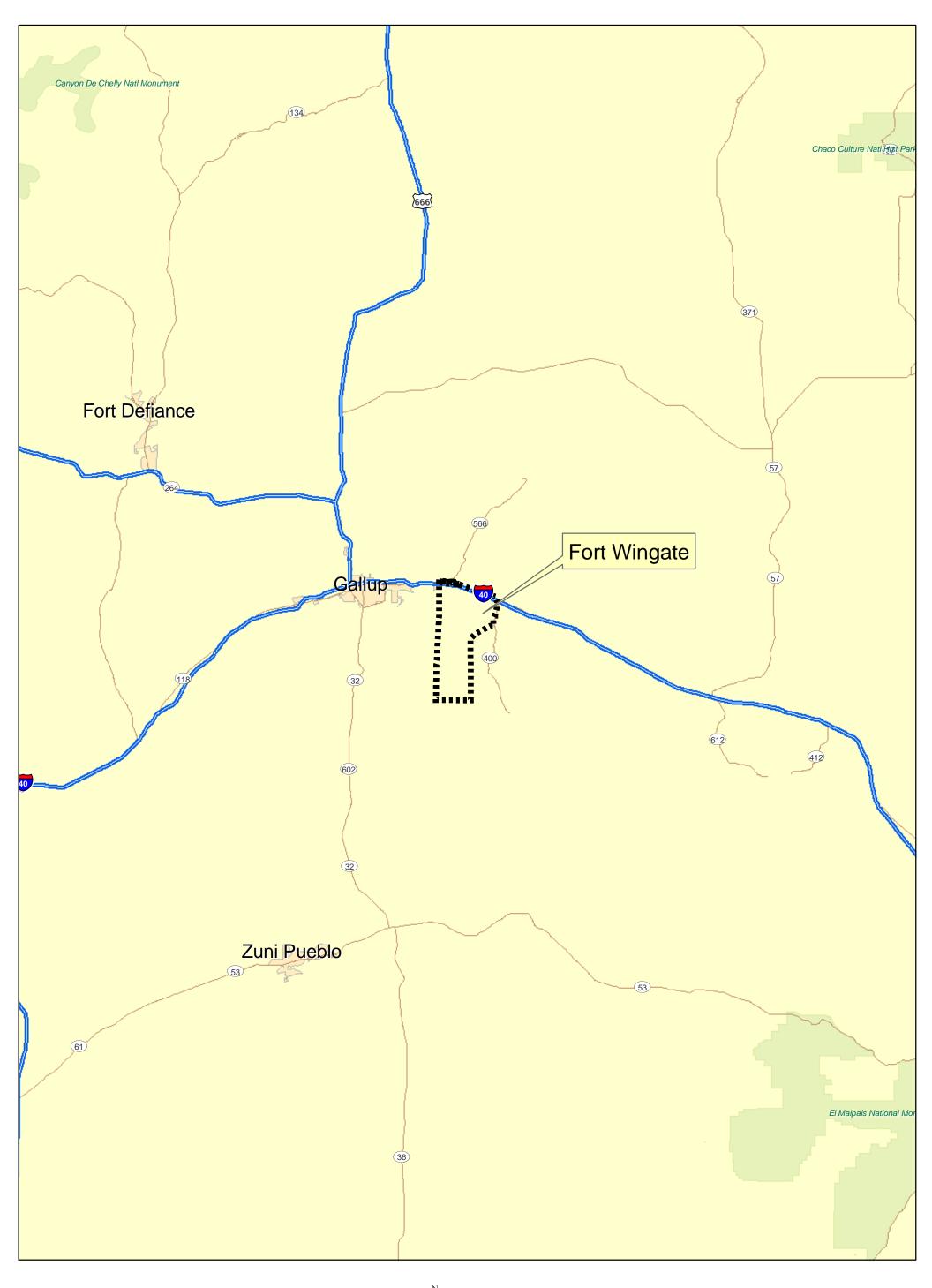
860 6.0 REFERENCES

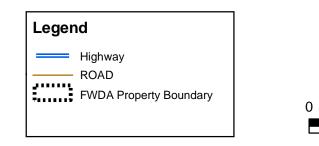
- 861 MKM Engineers, Inc., Final Kickout Investigation Work Plan, Fort Wingate Depot
- 862 *Activity, McKinley County, New Mexico*, May 2008.
- USACE, *Safety and Health Requirements*, EM 385-1-1, November 2003.
- 864 USACE, Basic Safety Concepts and Considerations for Munitions and Explosives of
- 865 *Concern (MEC) Response Action Operations*, EP 385-1-95a, August 2004.
- USACE, *Military Munitions Response Actions*, EM 1110-1-4009, June 2007.
- USACE, *Geophysical Investigation Plan*, MR-005-05, December 2003.
- 868 USACE, *Monthly Status Report*, MR-080, December 2003.

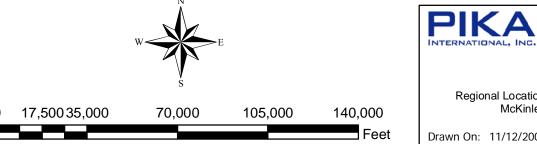
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APPENDIX A Figures



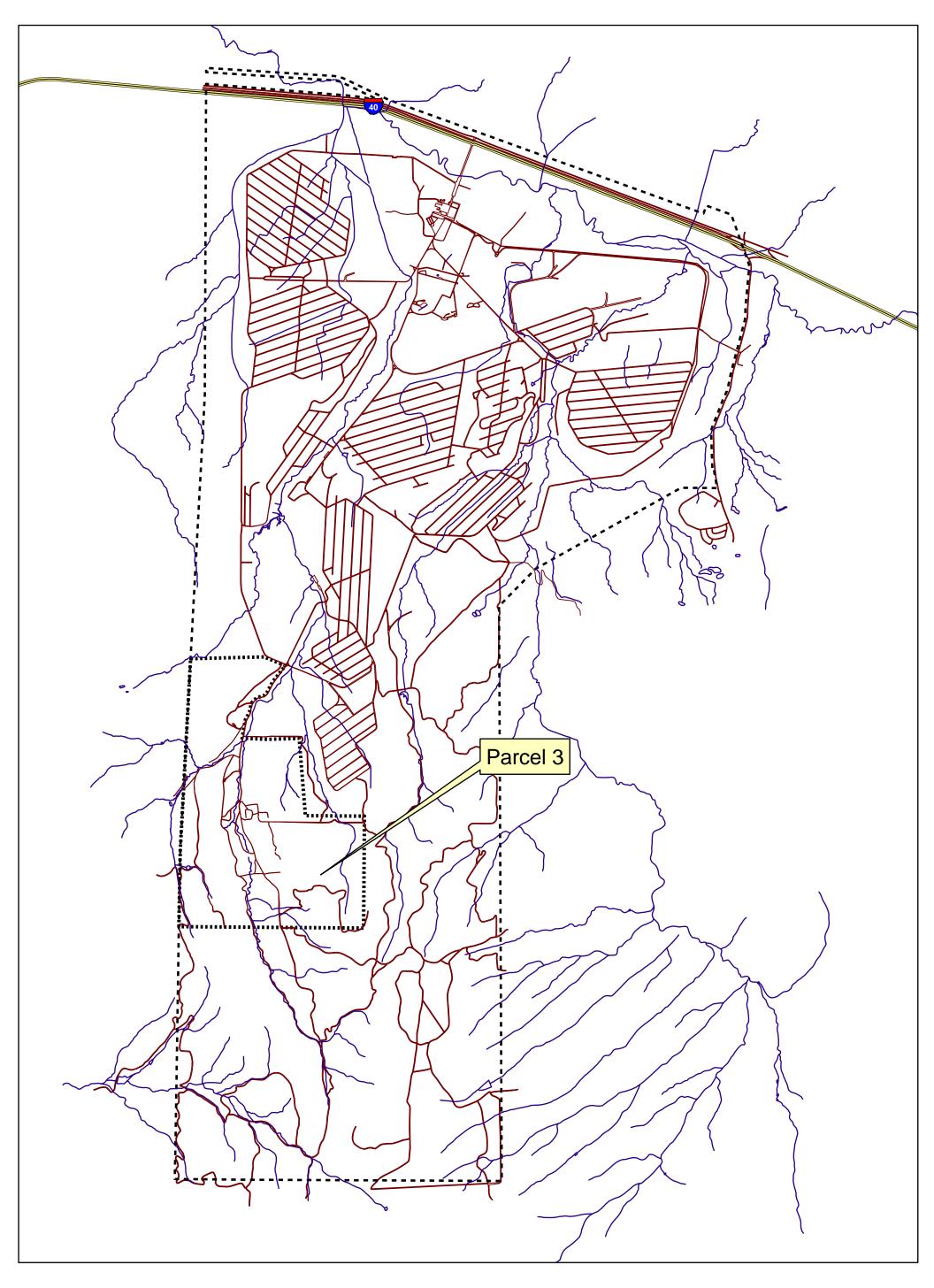


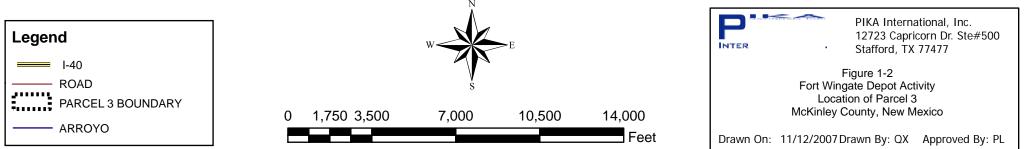


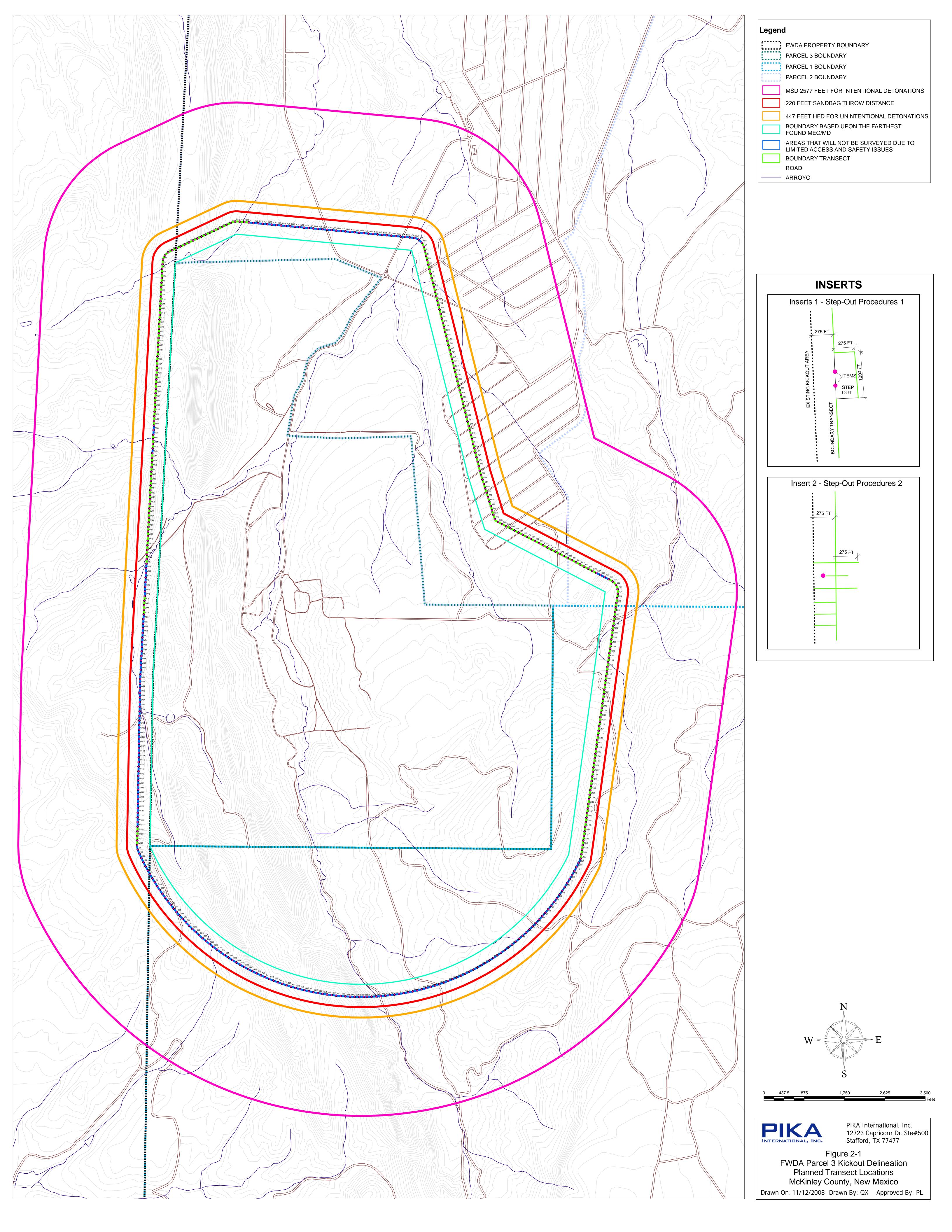
PIKA International, Inc. 12723 Capricorn Dr. Ste#500 Stafford, TX 77477

Figure 1-1 Regional Location of Fort Wingate Depot Activity McKinley County, New Mexico

Drawn On: 11/12/2007 Drawn By: QX Approved By: PL







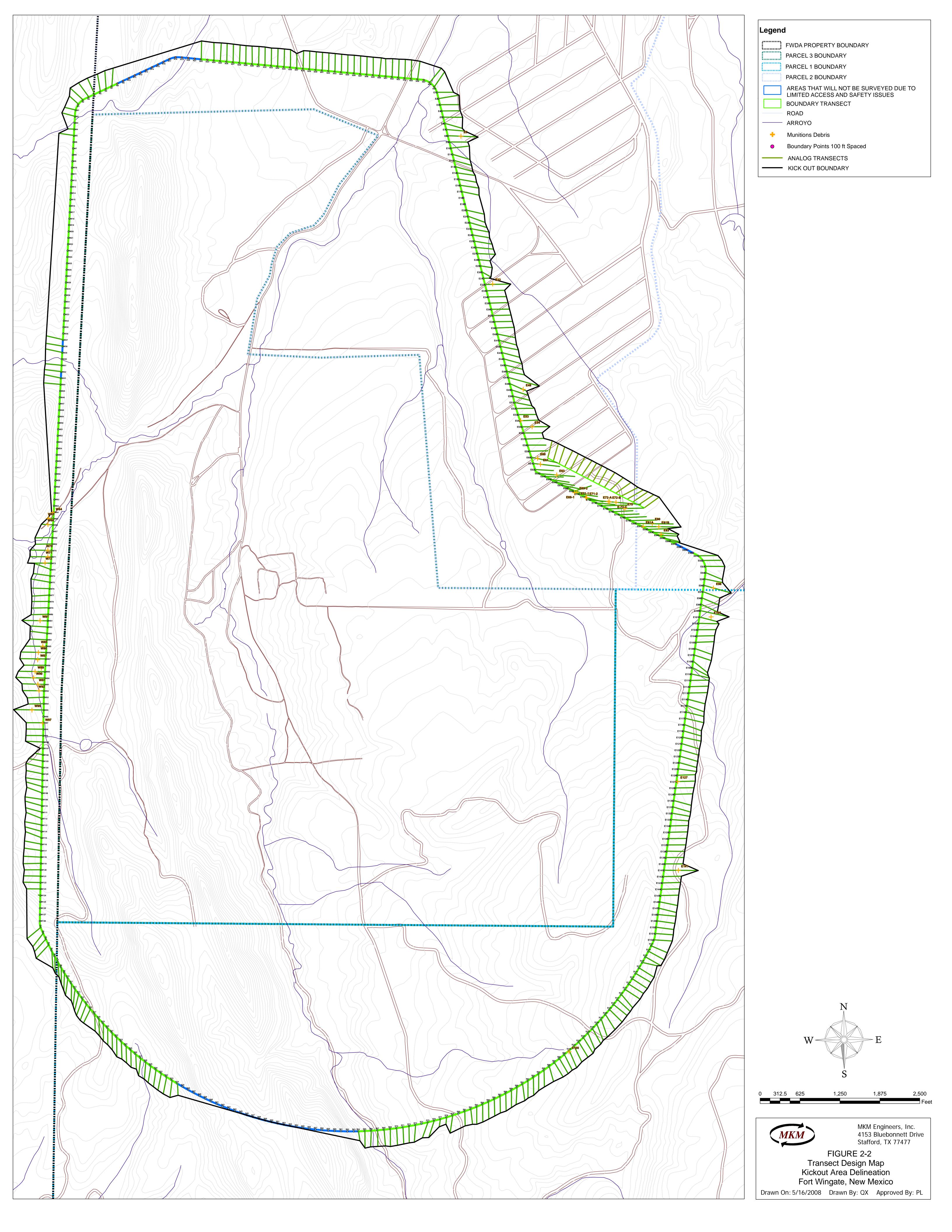






Figure 4-1 EM61-MK2 Metal Detector

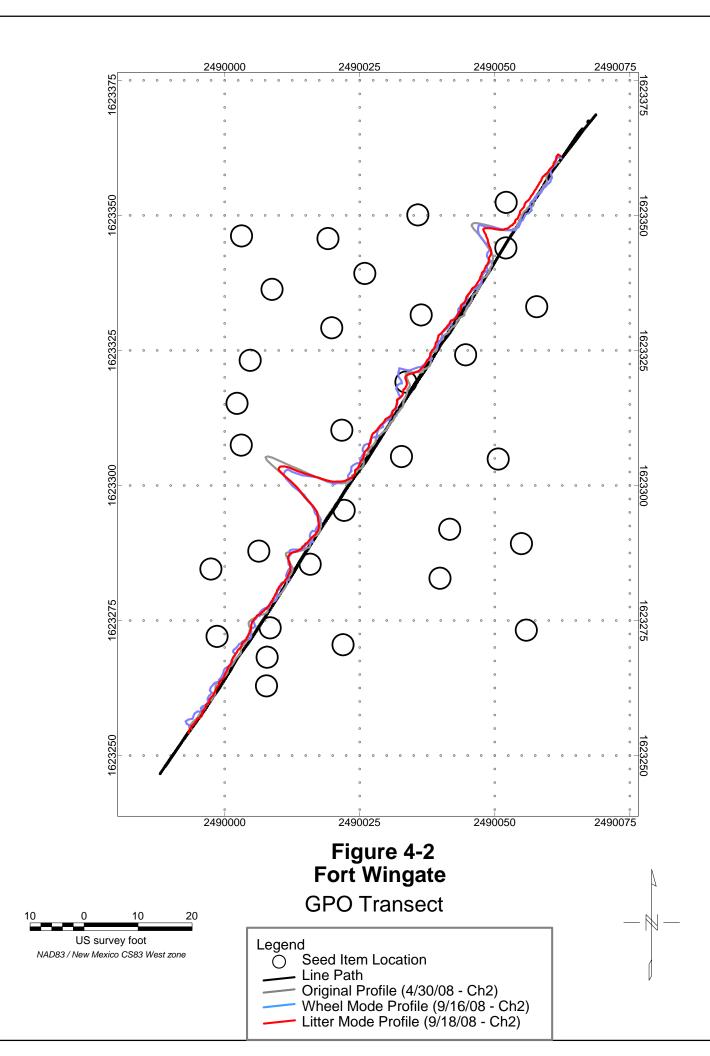
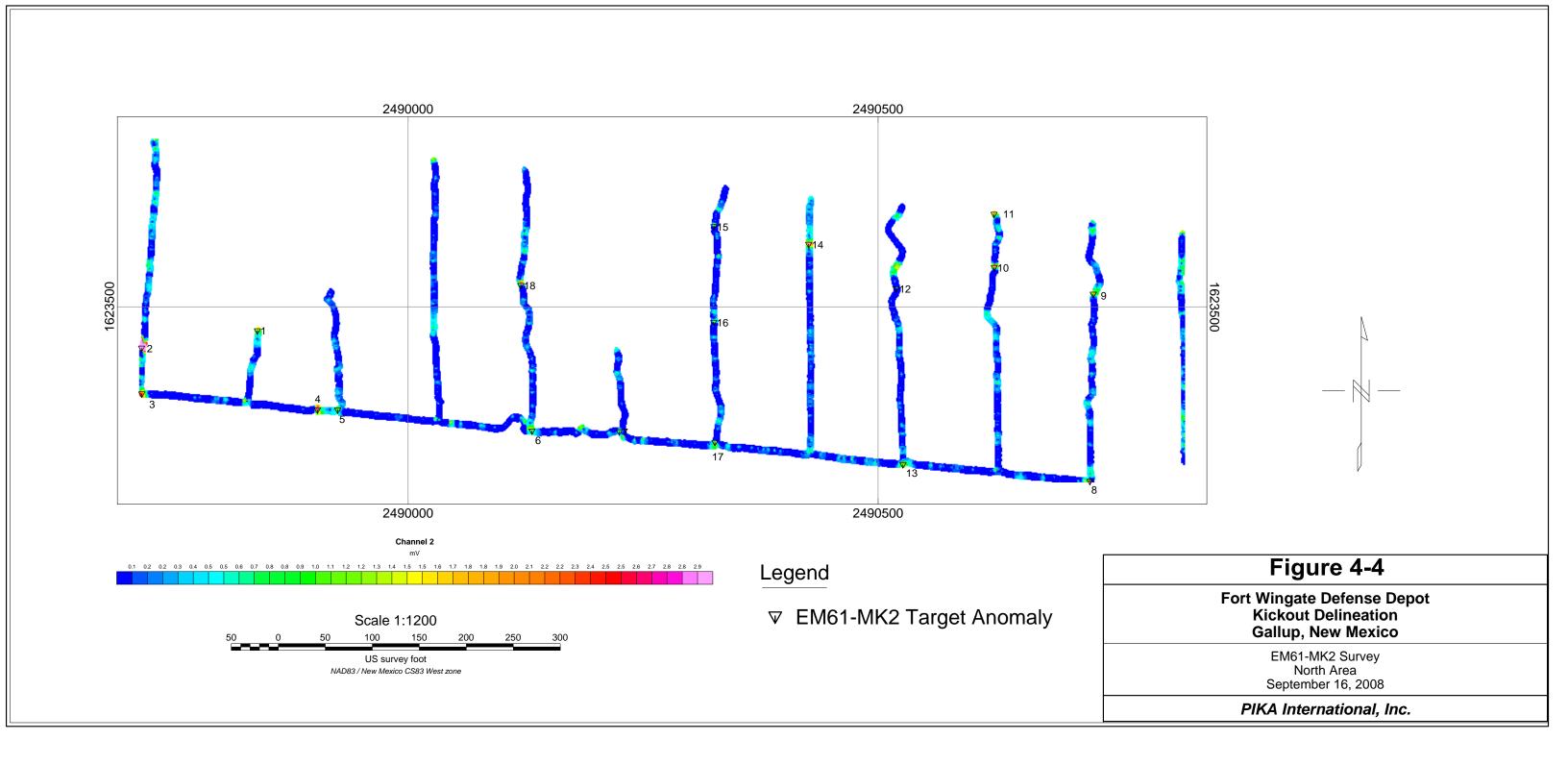






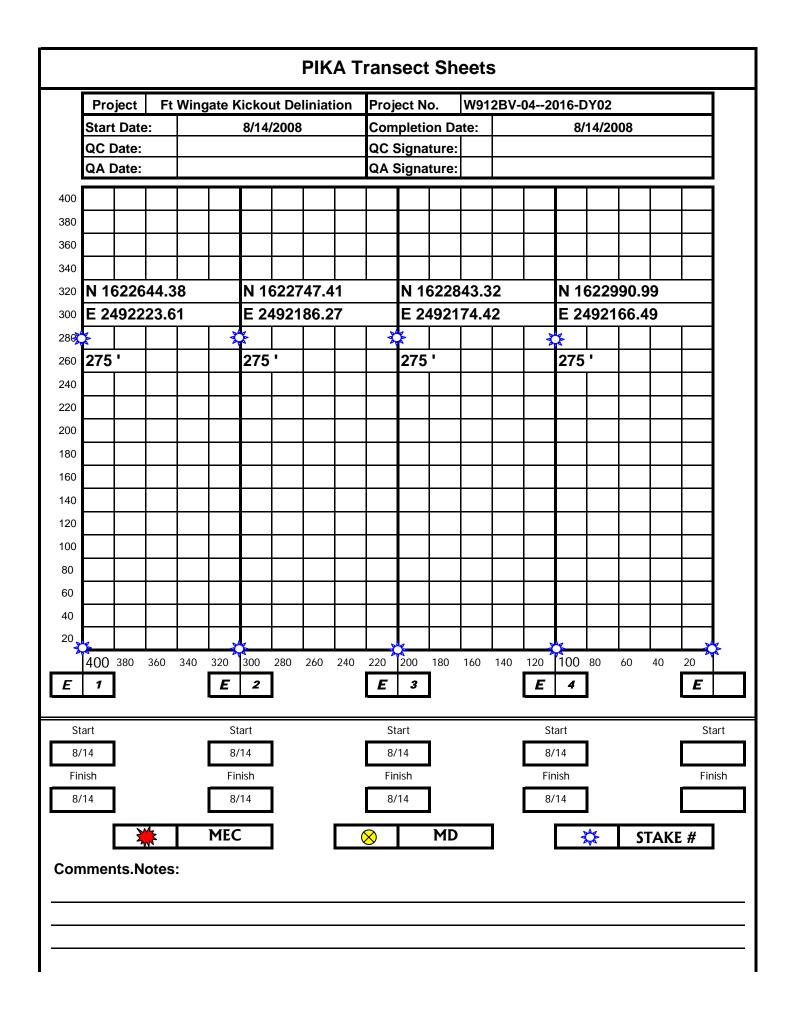
Figure 4-3 EM61-MK2 Metal Detector in Litter Mode

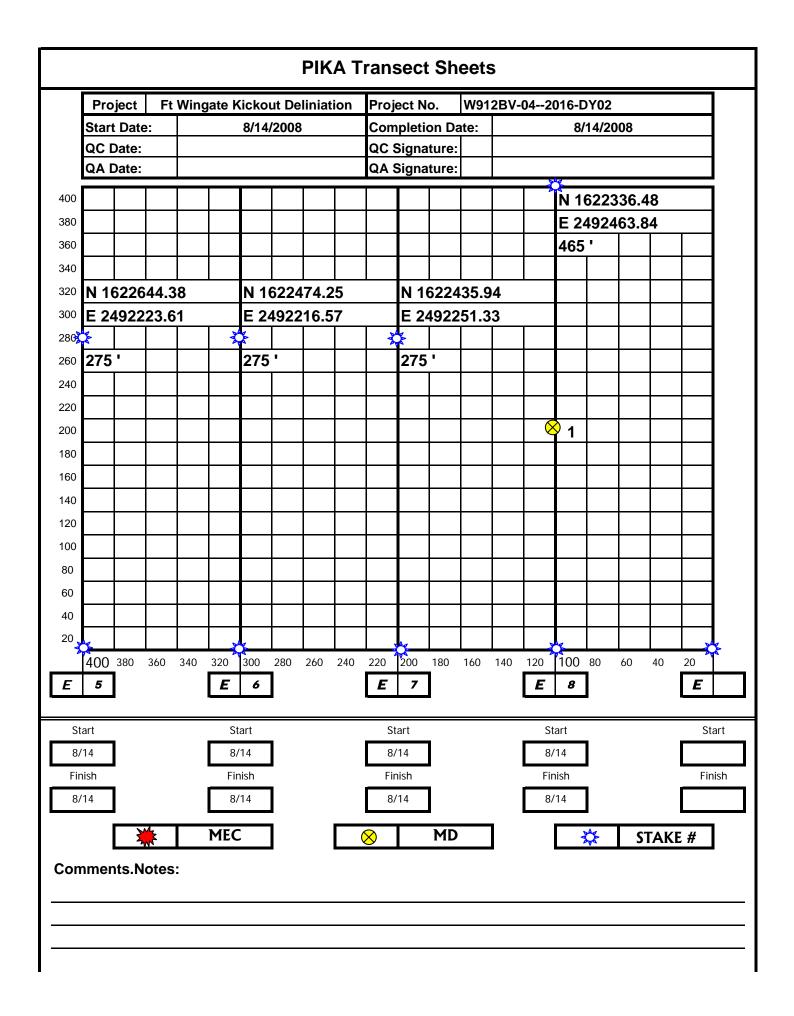




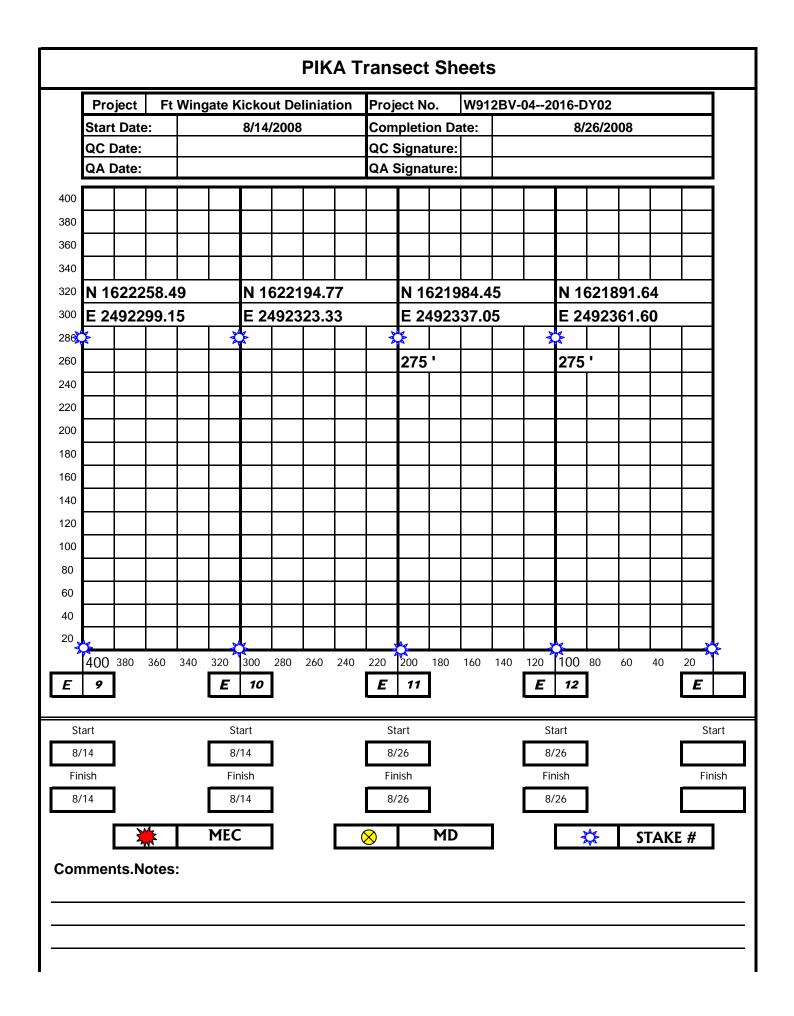
APPENDIX B

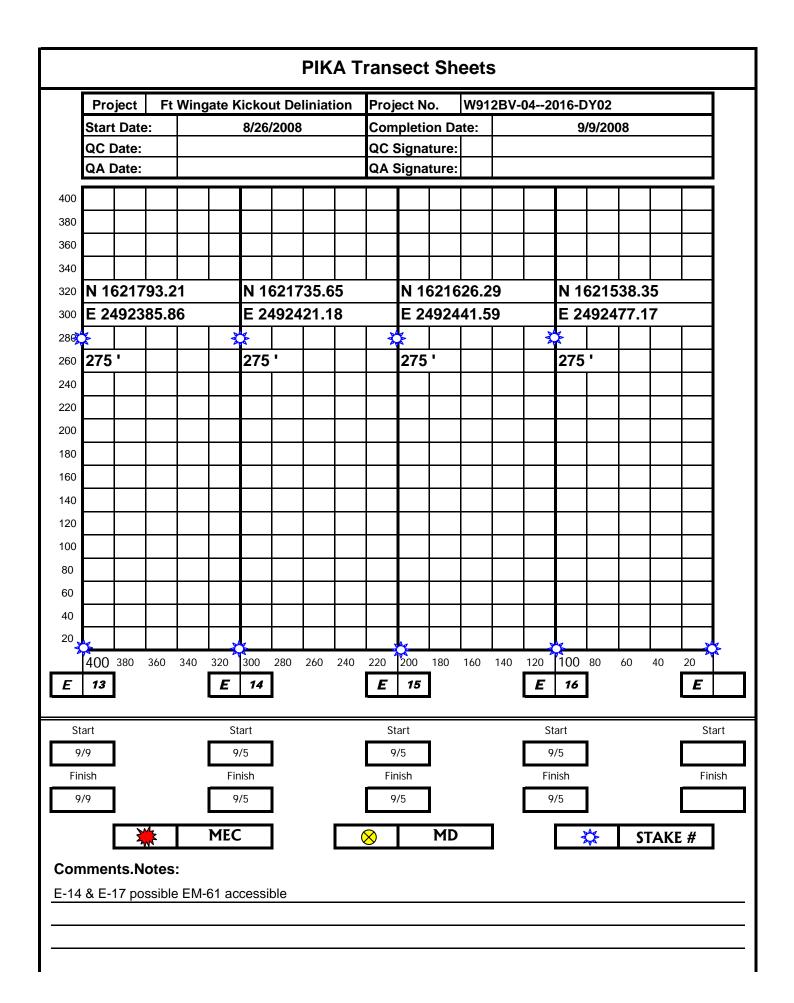
Transect Sheets

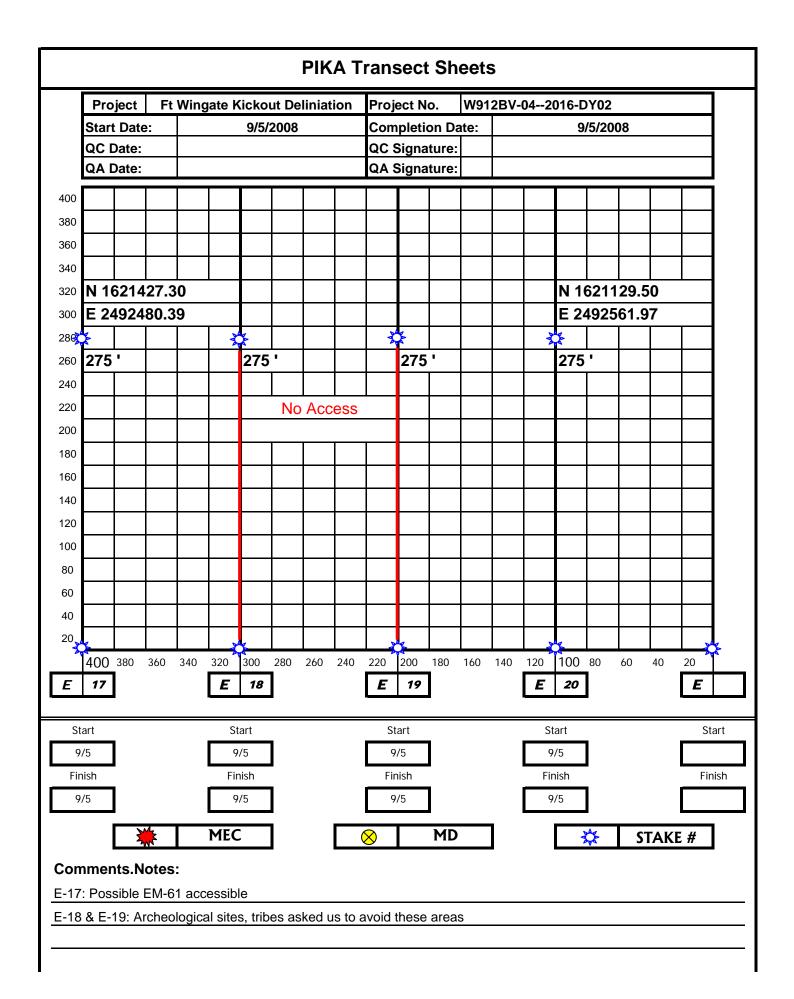


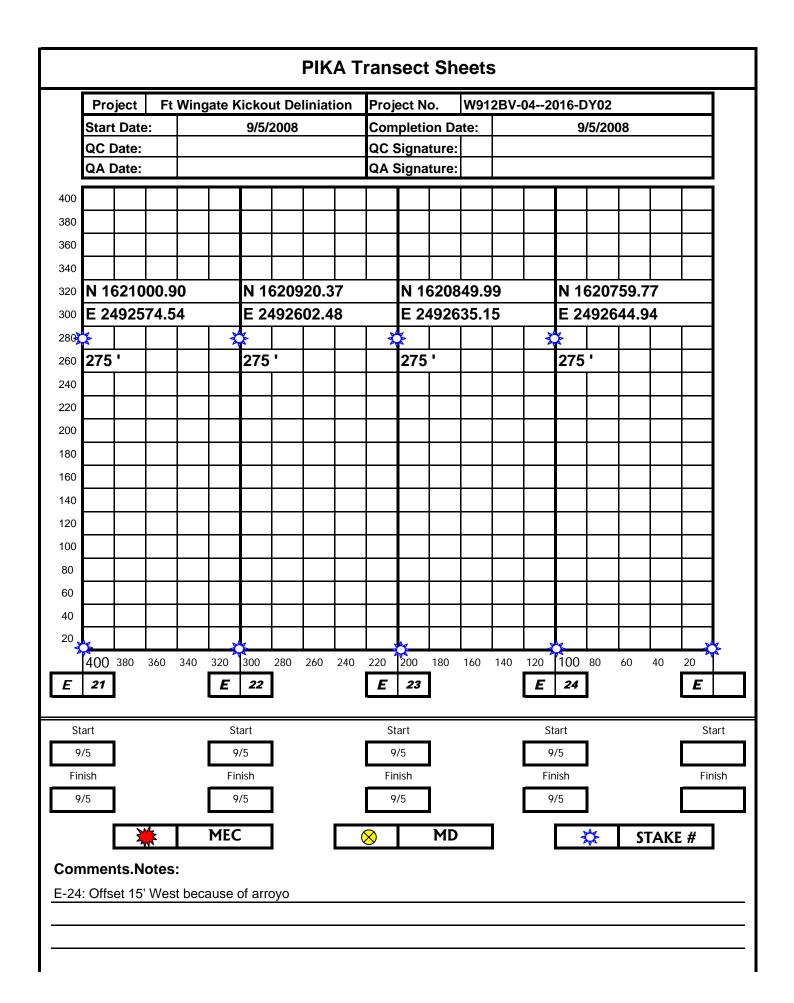


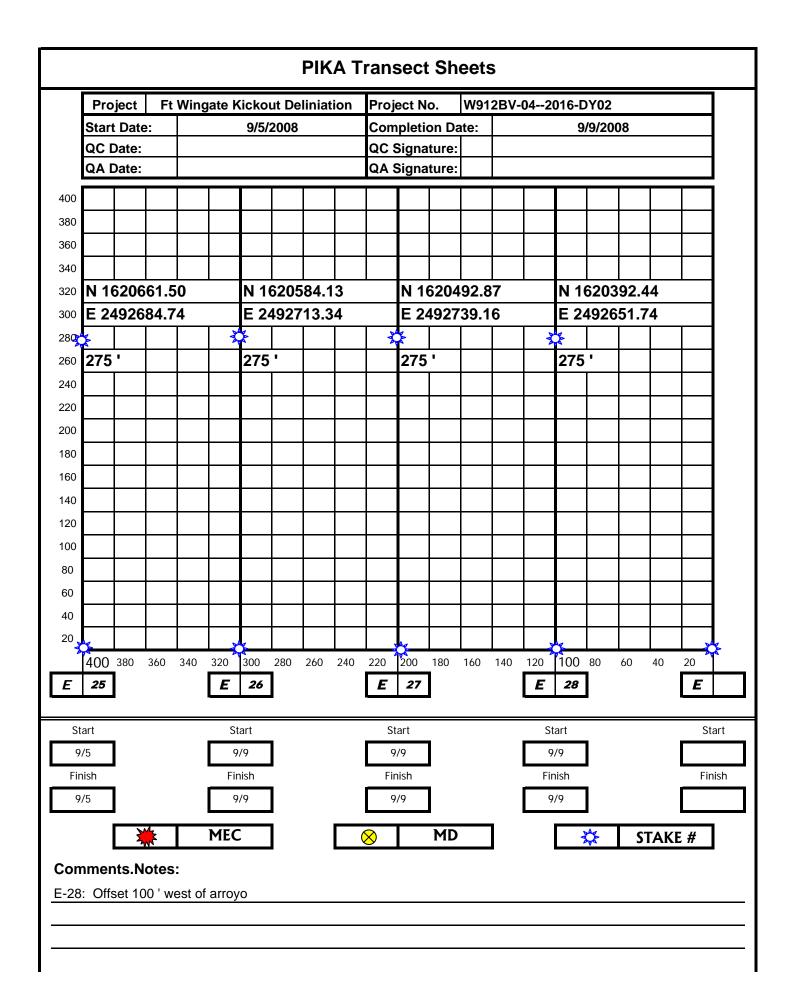
Anomalies					
#	ID	Northing	Easting	Comments	
1	E 8A	1622365.25	2492191.7	MD Frag	
2					
3					
4 5					
6					
7					
8					
9					
10					
11 12					
13					
14					
15					
16					
17					
18 19					
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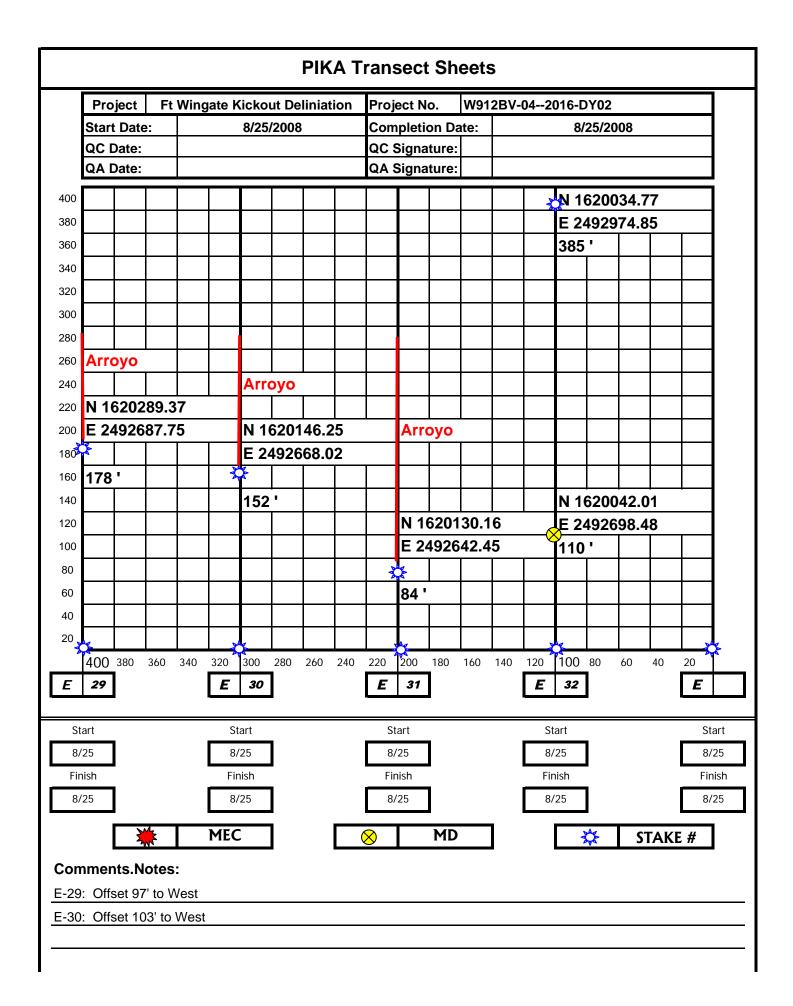


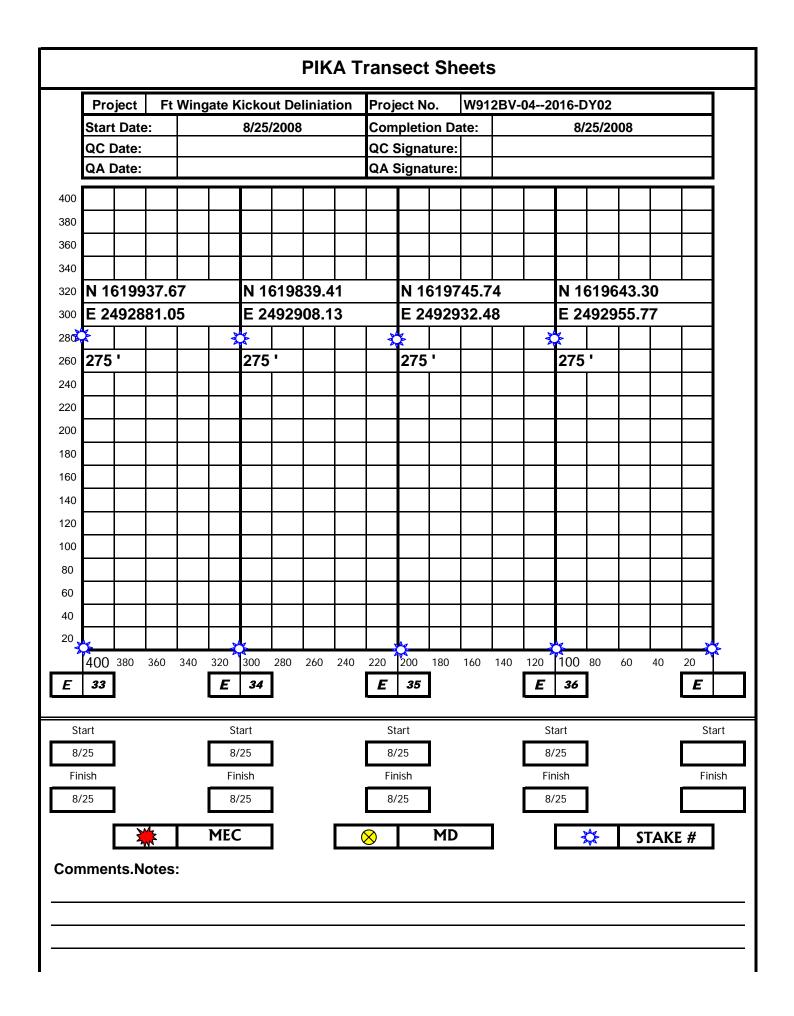


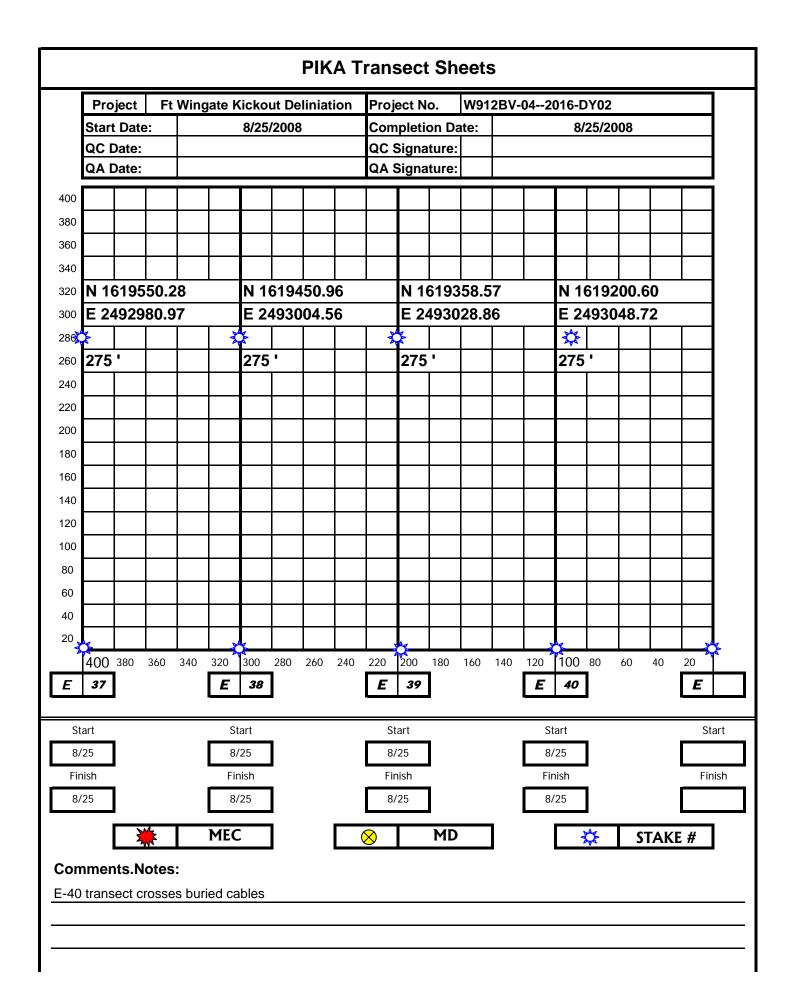


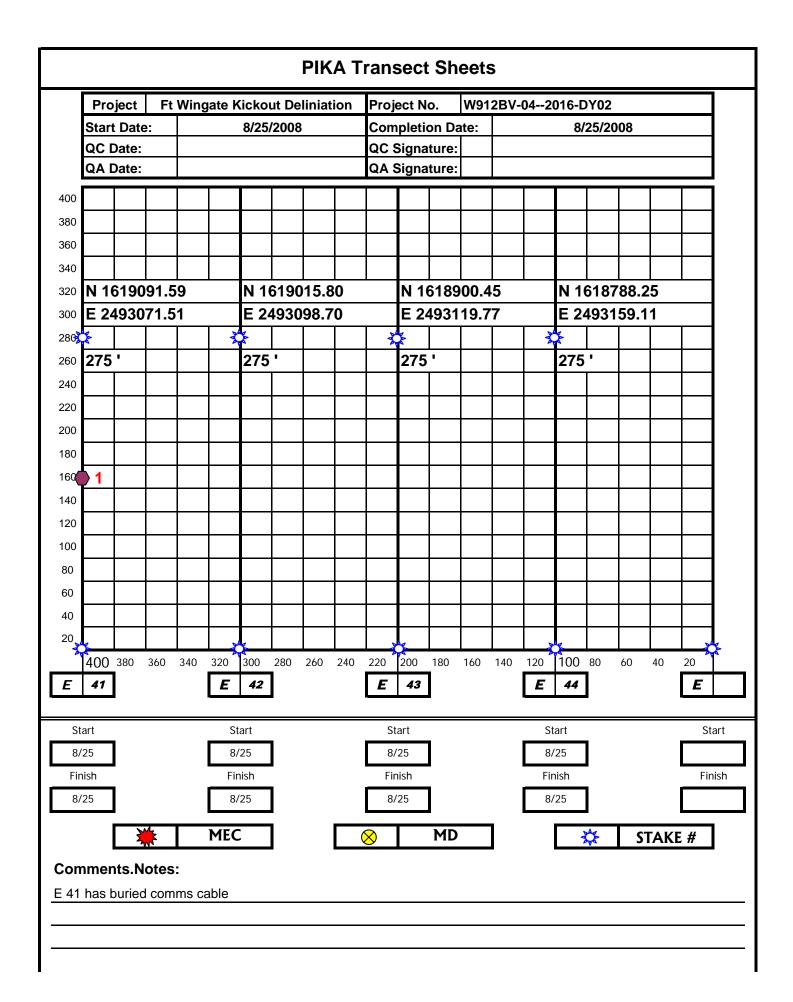




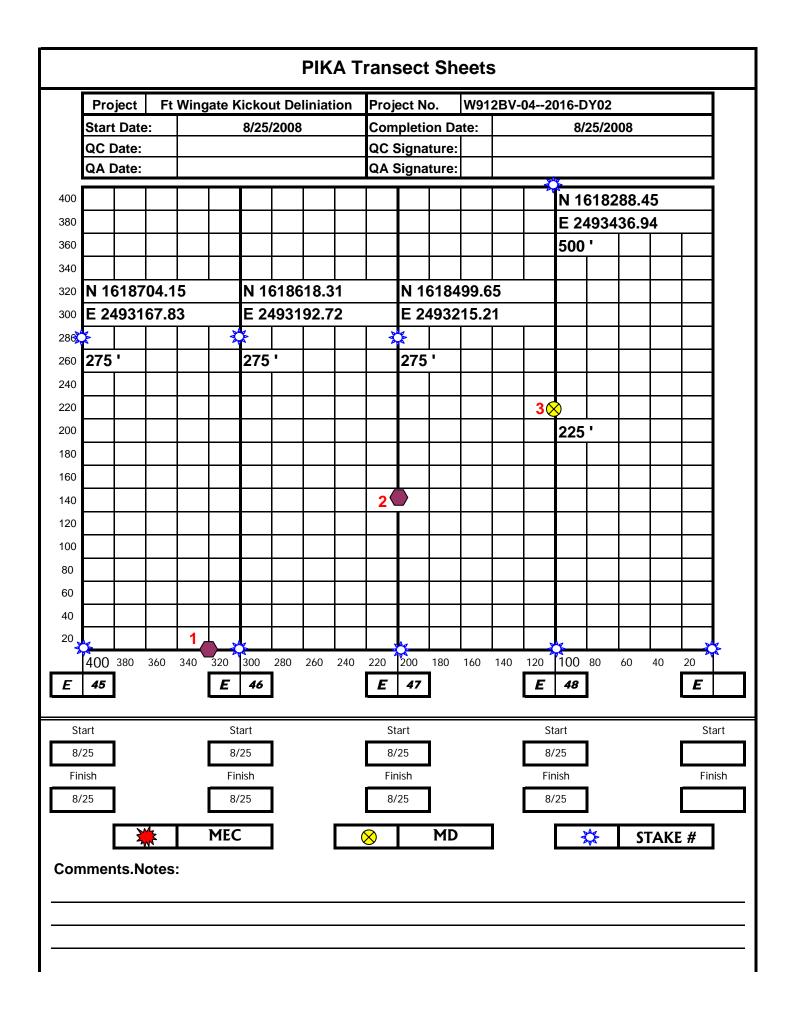




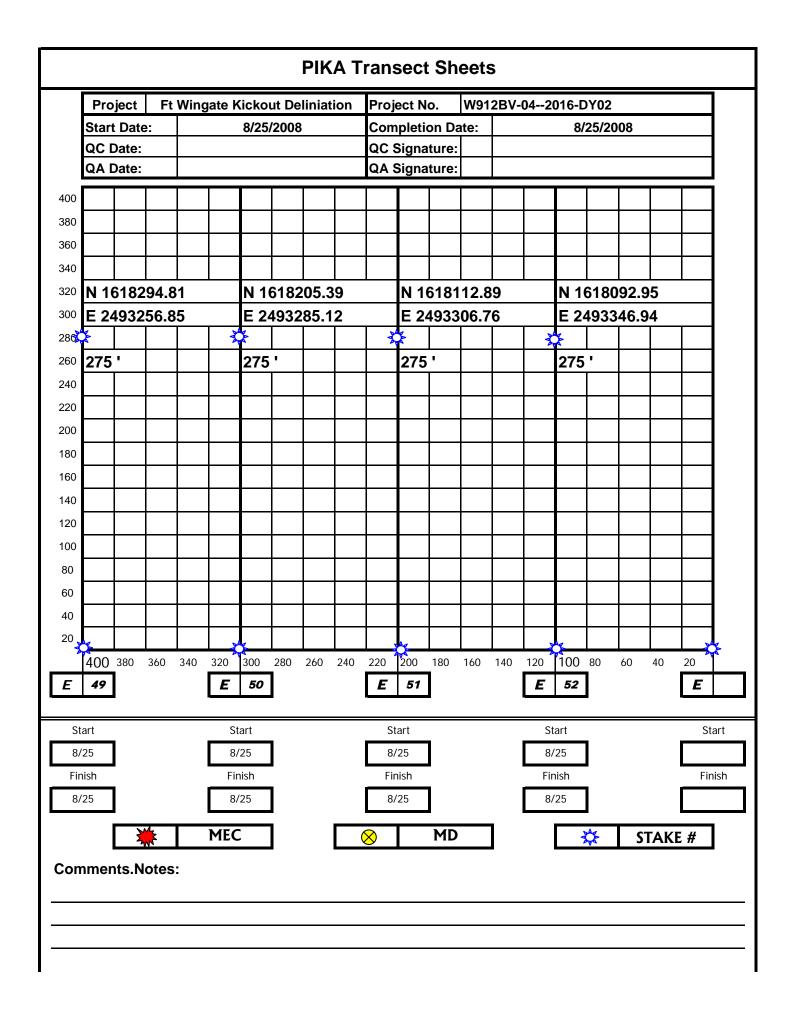


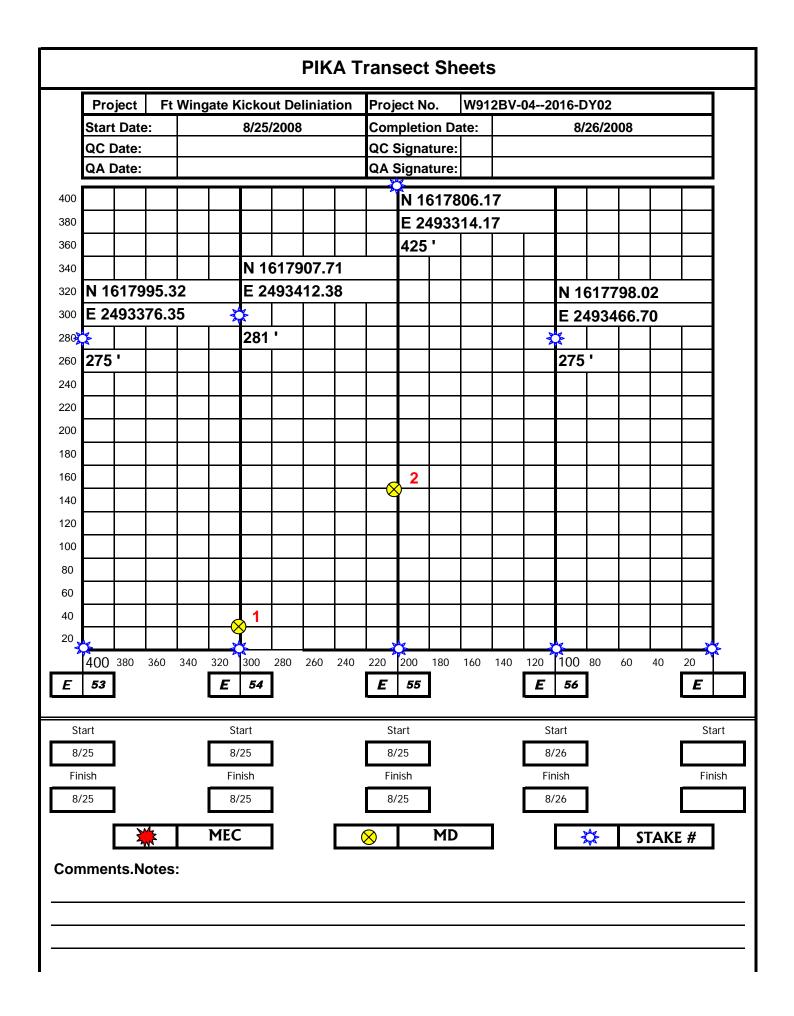


			Ar	nomalies		
	Base Line Data					
#	ID	Northing	Easting	Comments		
1	1	1619133.58	2492890.02	Buried rebar		
2						
3						
4						
5 6						
о 7						
8						
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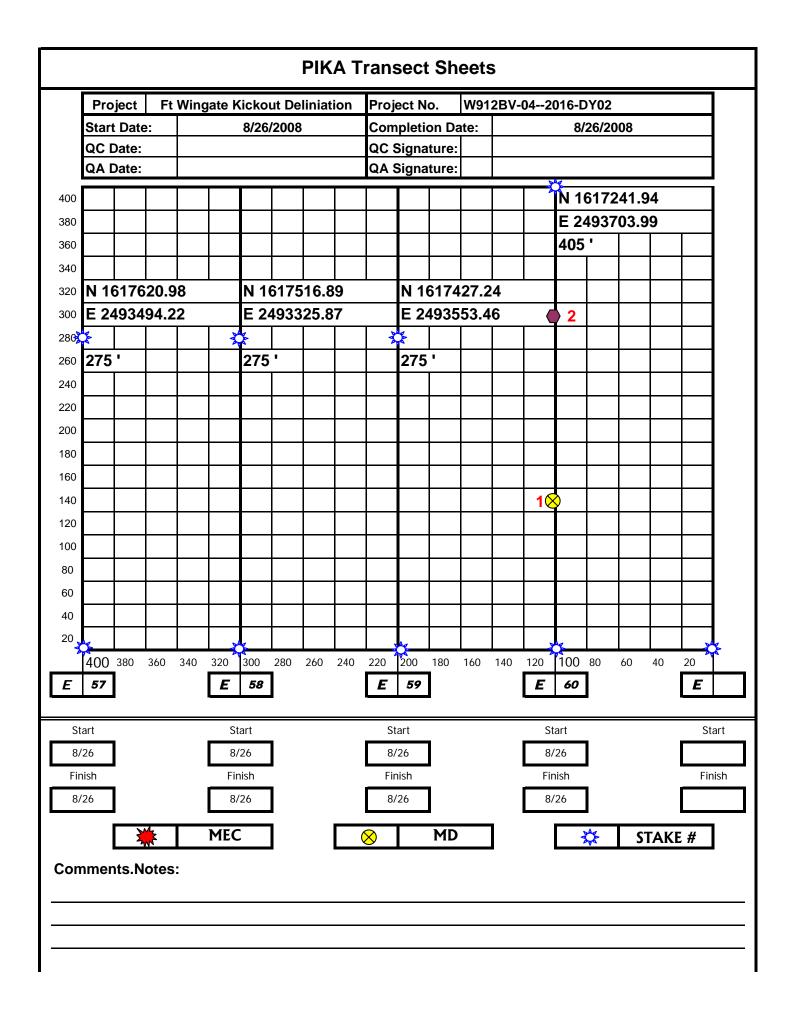


	Anomalies				
#	ID	Northing	Easting	Comments	
1	1	1618686.72	2492910.98	Wire rope left in place	
2	2	1618559.03	2493029.87	Chicken wire left in place	
3	3	1618390.51	2493176.35	MD Frag	
4					
5					
6					
7					
8					
9					
10					
11					
12					
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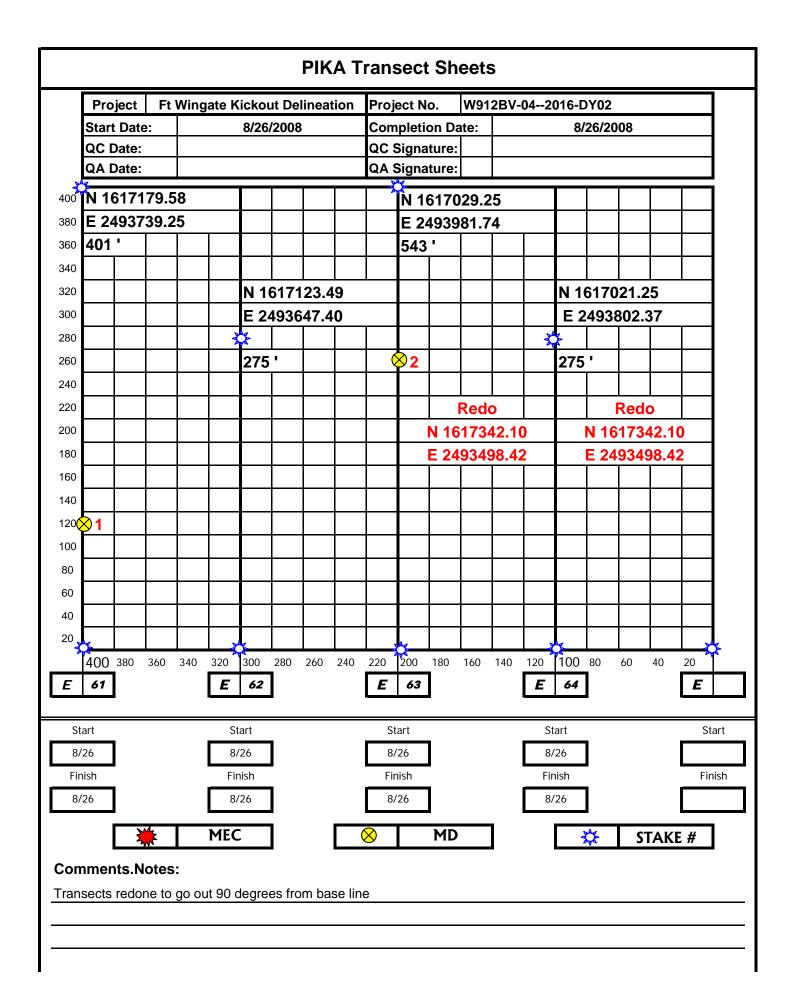




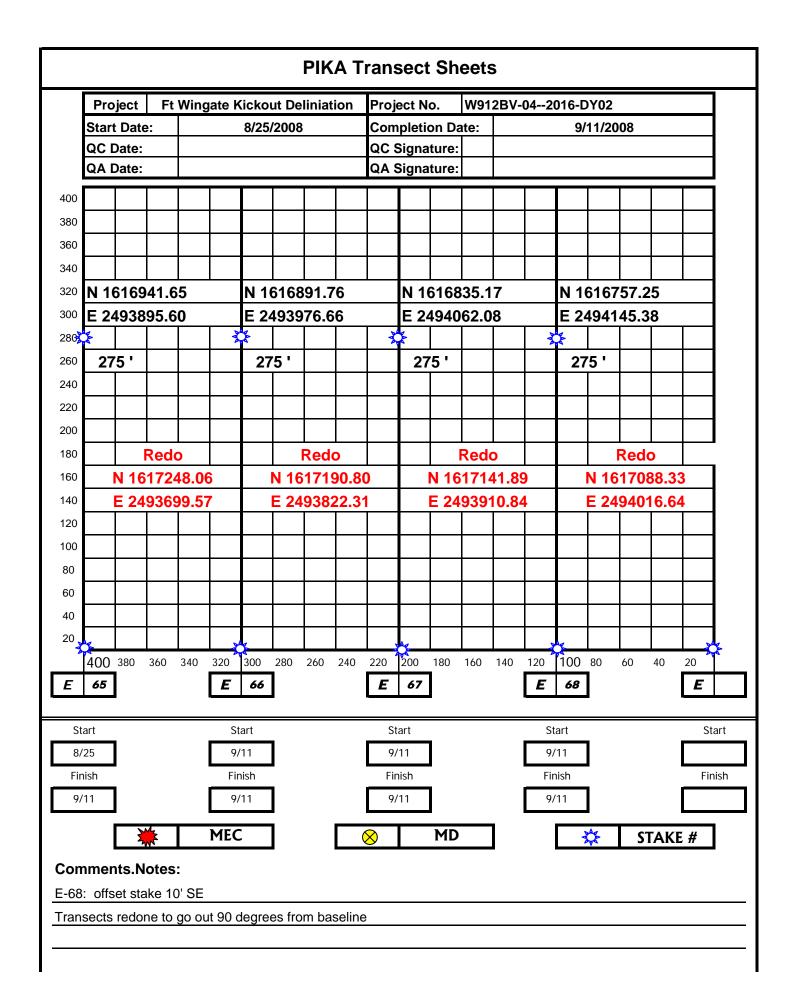
	Anomalies				
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2	E 55A	1617806.89	2493314.17	MD frag	
3					
4					
5 6					
7					
8					
9					
10					
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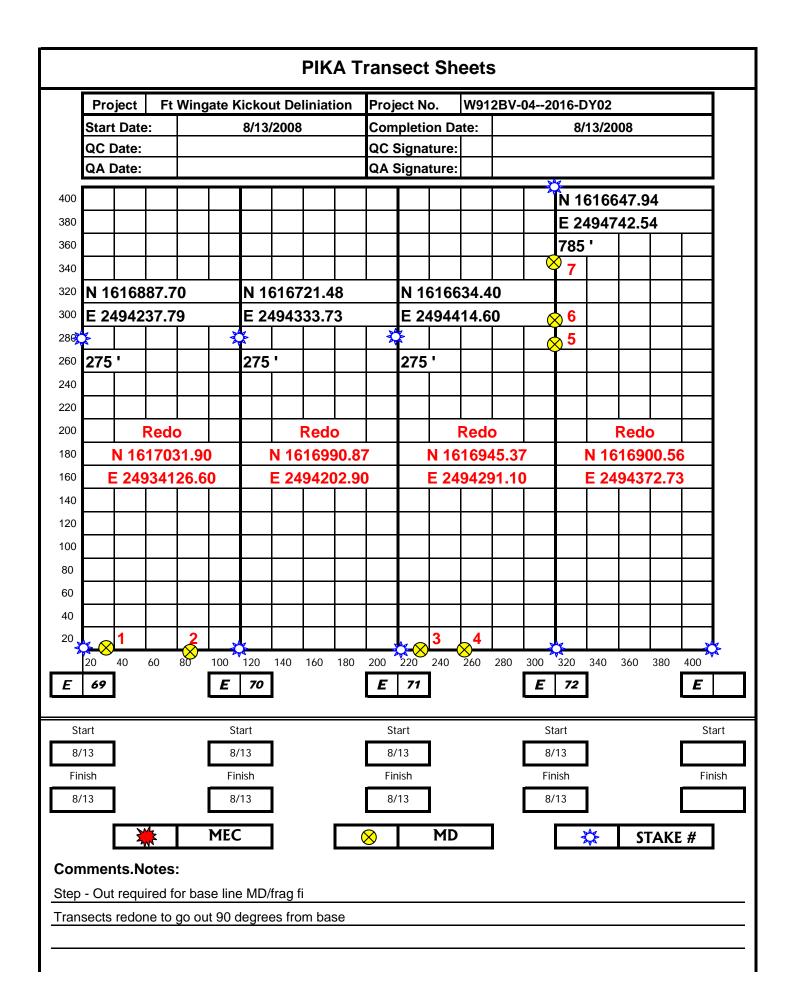


	Anomalies				
#	ID	Northing	Easting	Comments	
1	1	1617312.18	2493434.33	MD Frag	
2	2	1617323.12	2493401.16	Metal wire left in place	
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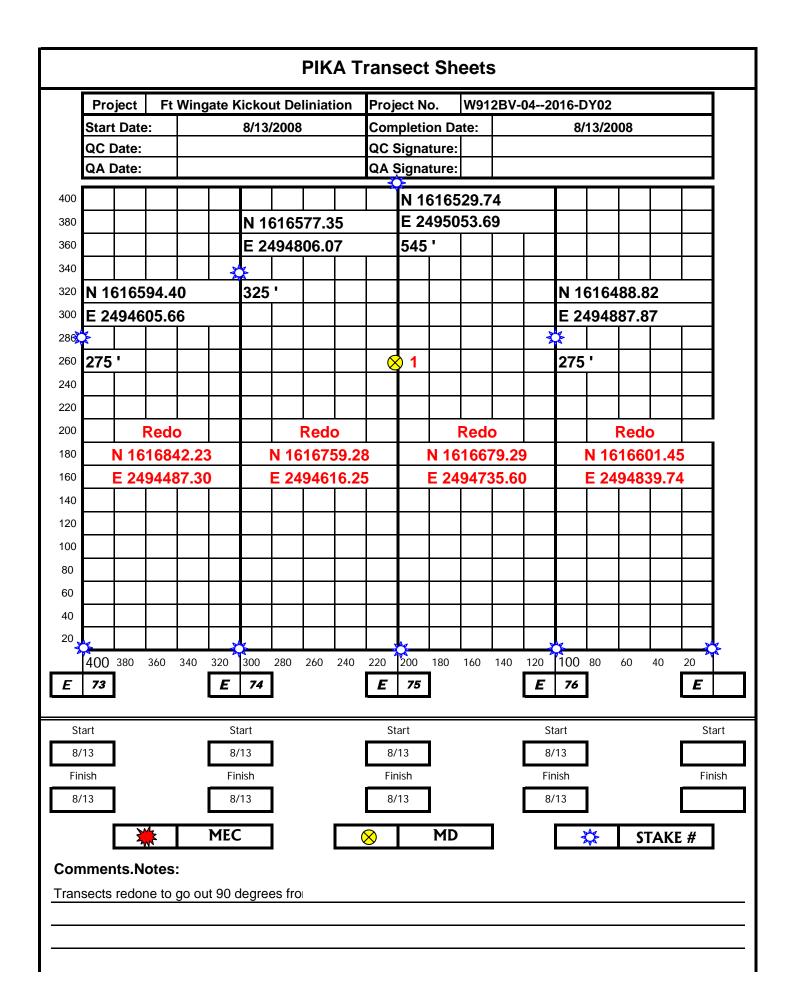


	Anomalies					
#	ID	Northing	Easting	Comments		
1	63a	1617062.47	2493708.04	MD frag		
2	63b	1617214.07	2493465.53	MD frag		
3						
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5						
6						
7						
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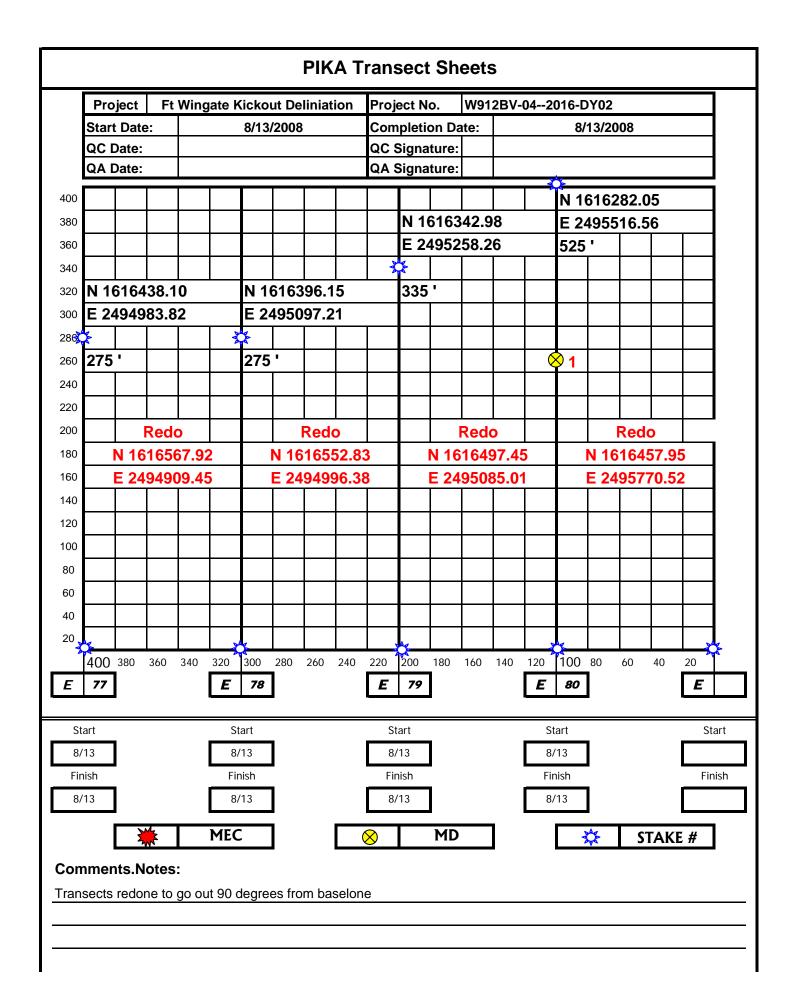




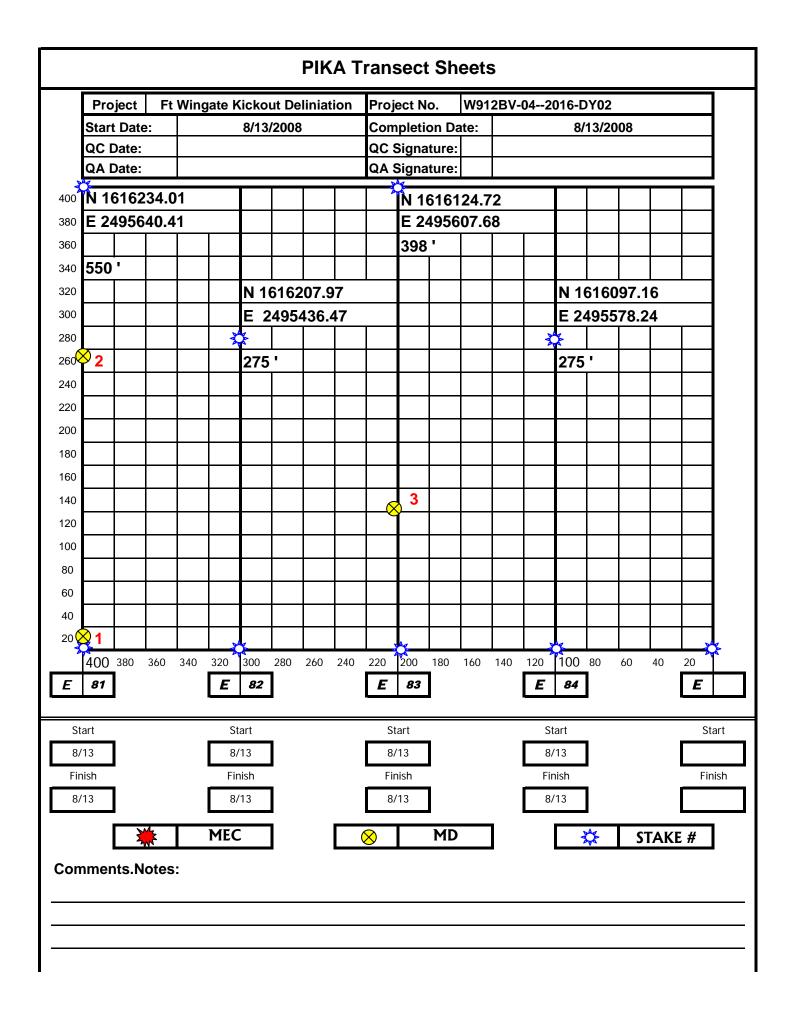
	Anomalies					
#	ID	Northing	Easting	Comments		
1	E 69.1	1616775.18	2493979.35	MD frag		
2	E 69.2	1616779.26	2494012.7	MD frag		
3	E 71.1	1616697.8	2494157.02	MD frag		
4	E 71.2	1616695.5	2494170.27	MD frag		
5	E 73 A	1616674.36	2494475.9	MD frag		
6	E 73 B	1616684.11	2494510.59	MD frag		
7	E 73 C	1616676.17	2494663.54	MD frag		
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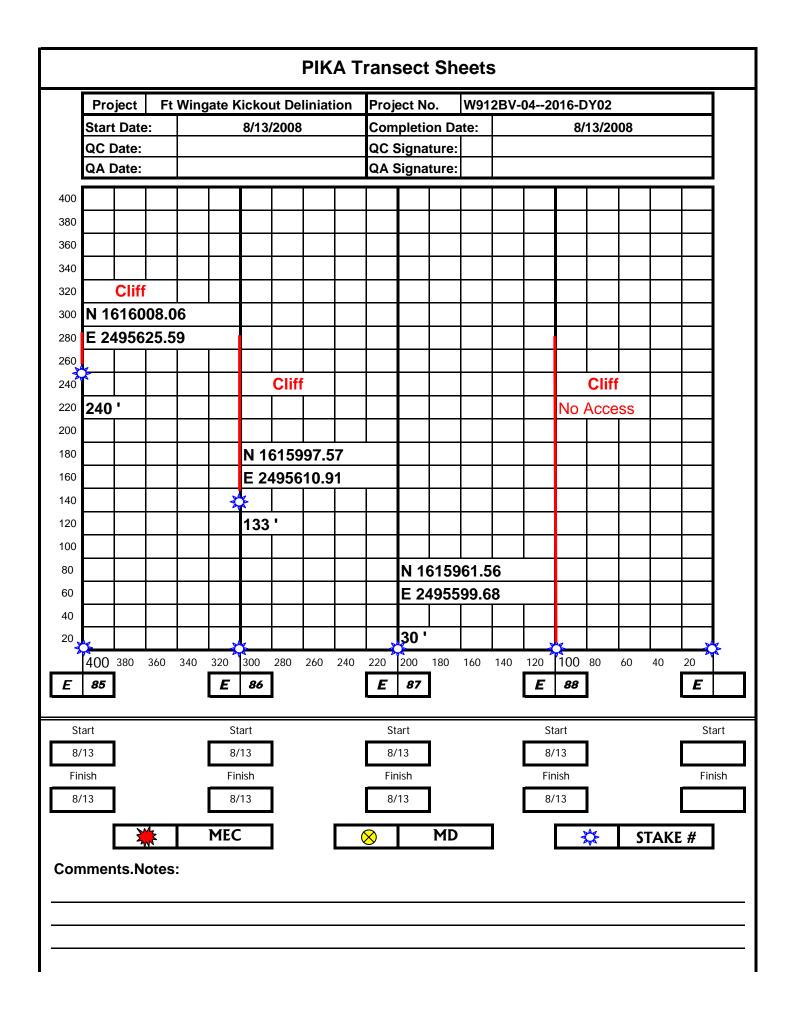
	Anomalies											
#	ID	Northing	Easting	Comments								
1	E 75A	1616521.63	2494774.42	MD frag								
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5 6												
7												
8												
9												
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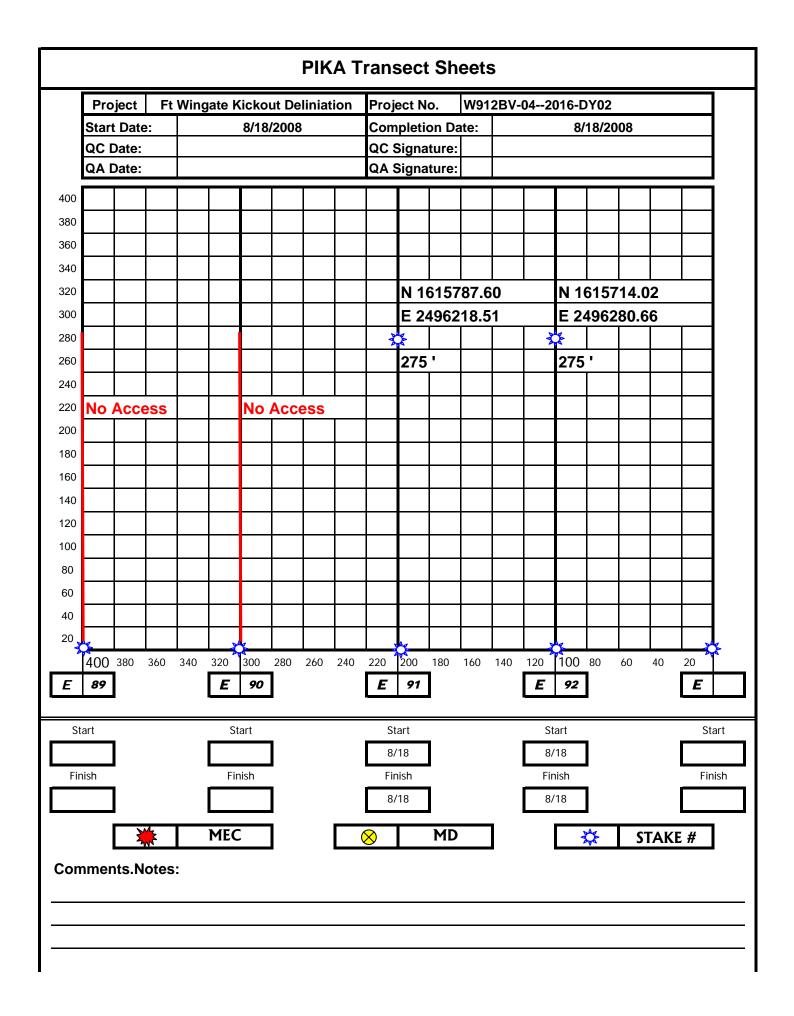


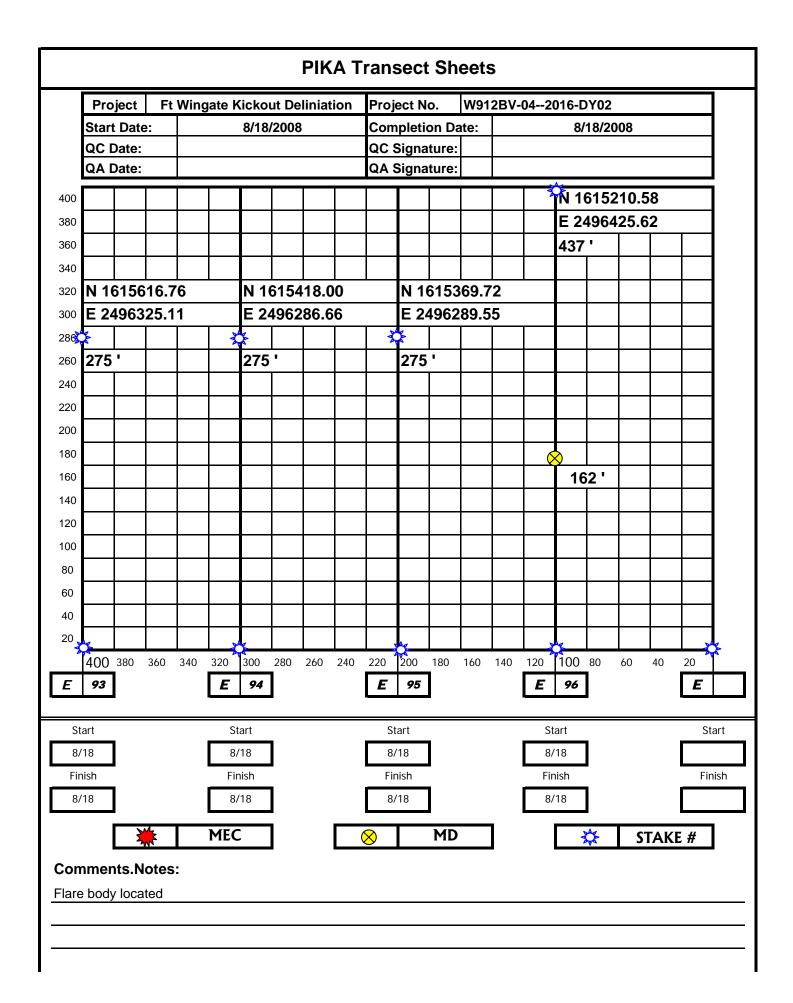
	Anomalies											
#	ID	Northing	Easting	Comments								
1	E 79A	1616296.41	2495195.29	Spent AP 57mm projectile case								
2												
3												
4 5												
6												
7												
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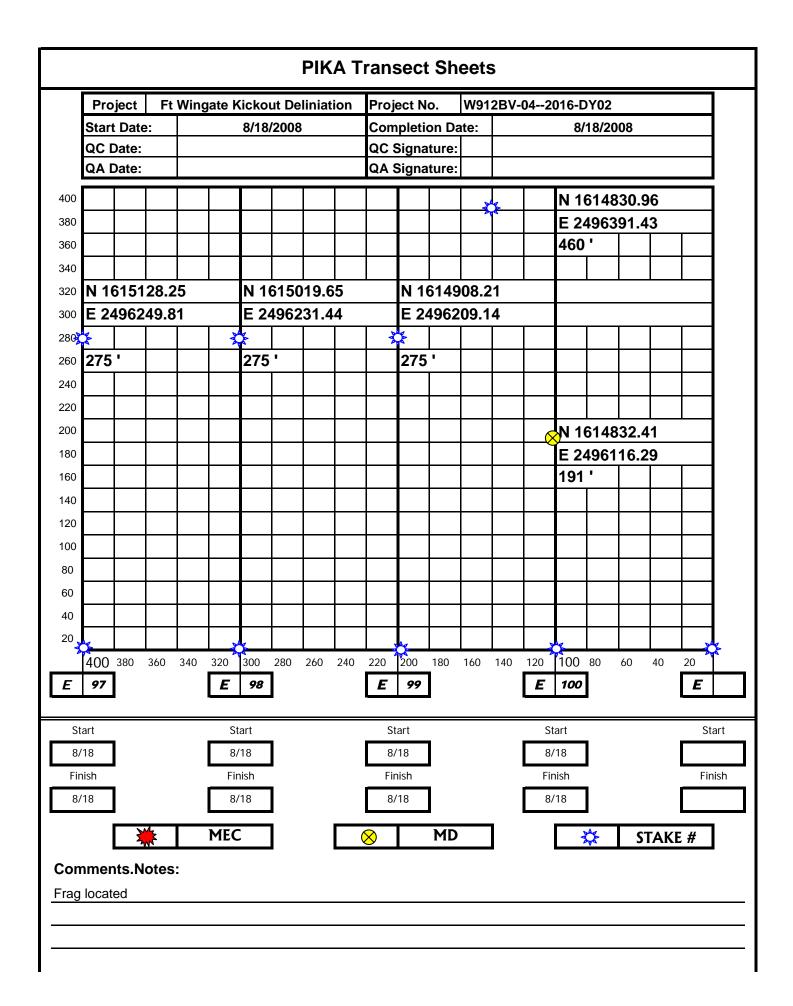
	Anomalies											
#	ID	Northing	Easting	Comments								
1	E 81A	1616250.33	2495049.64	MD frag								
2	E 81B	1616249.89	2495294.86	MD frag								
3	E 83A	1616120.9	2495331.96	MD frag								
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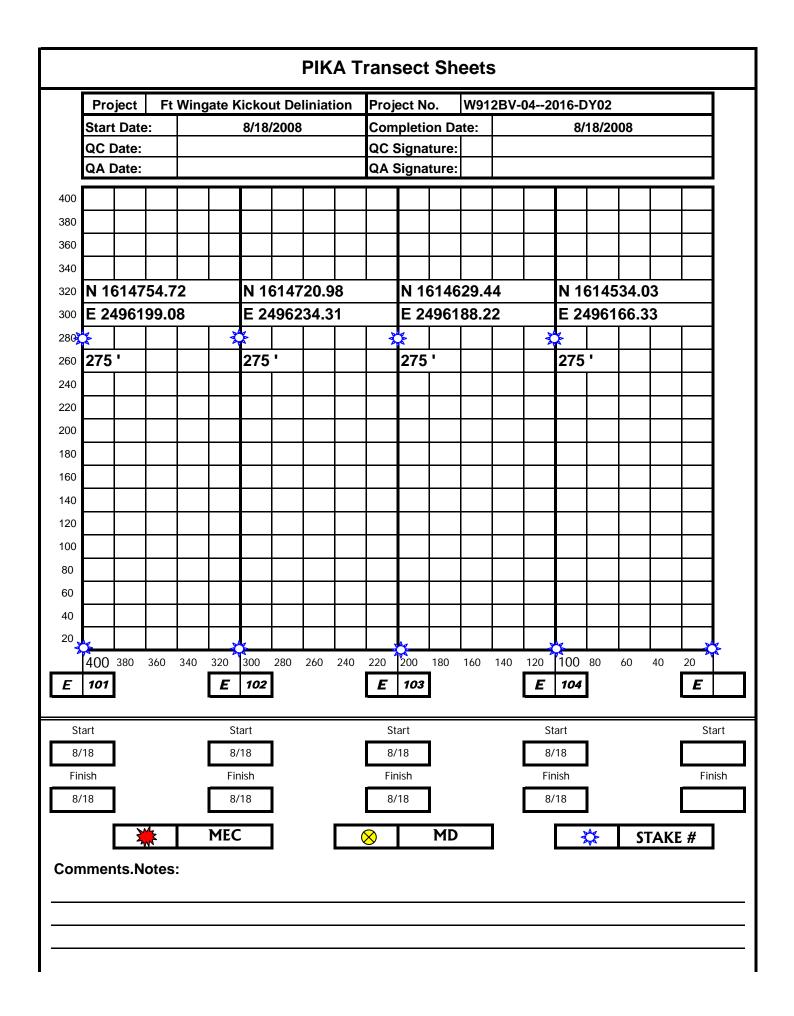


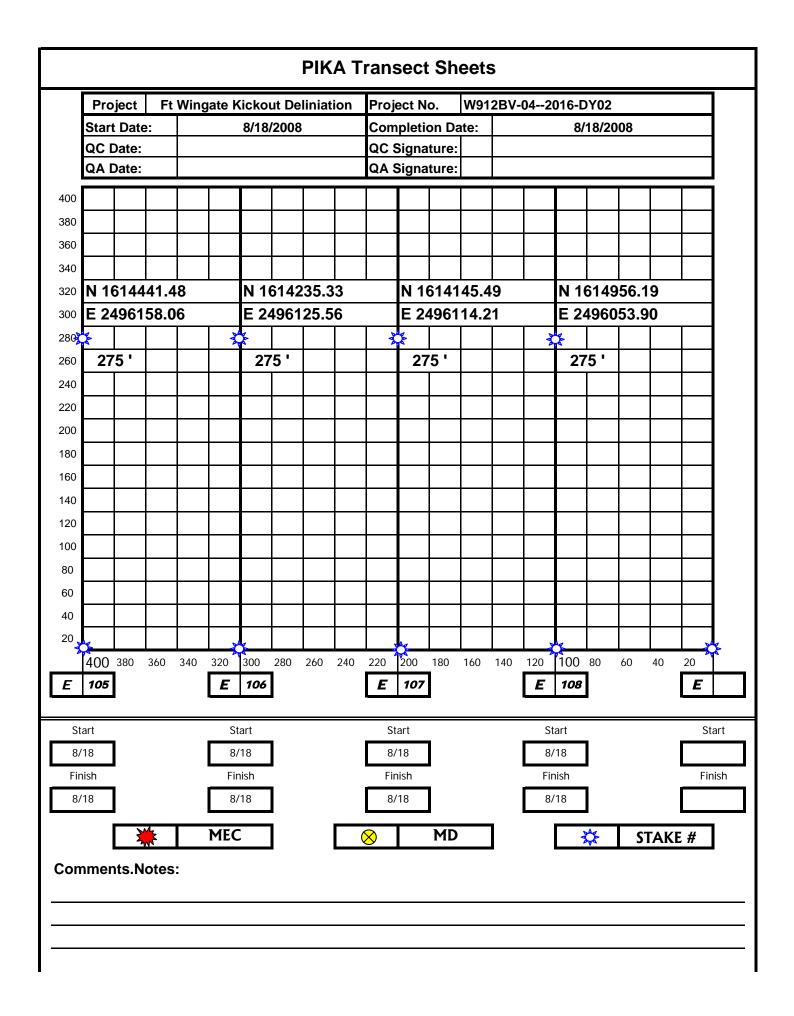


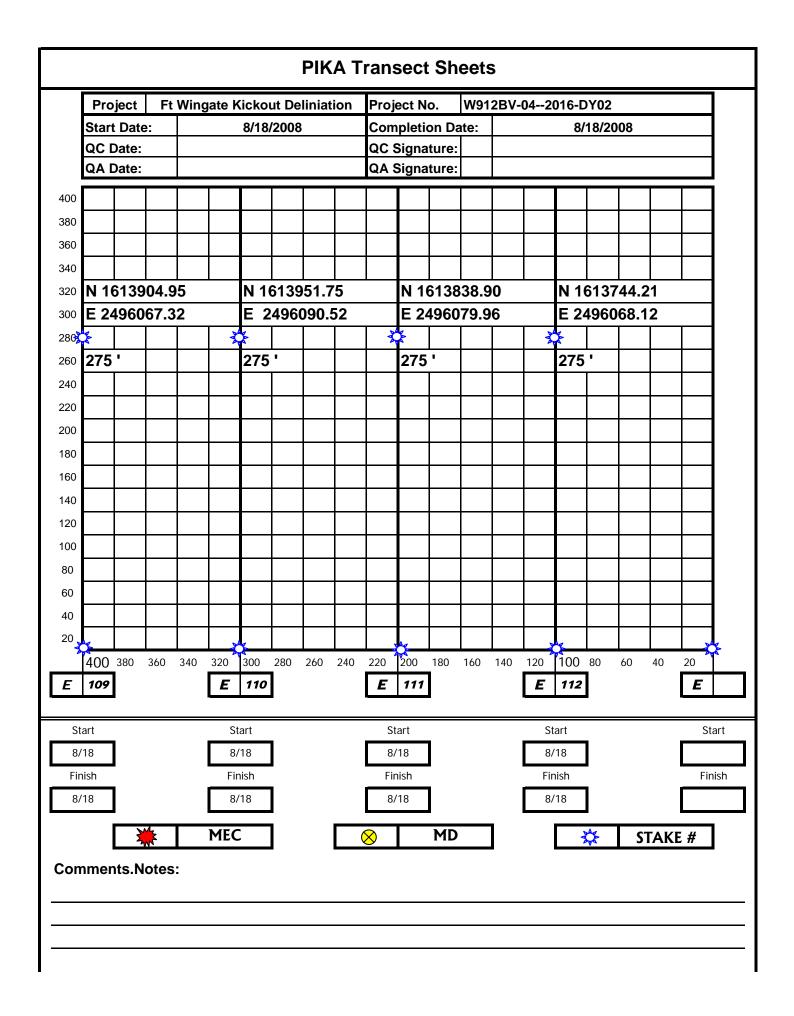
	Anomalies										
#	ID	Northing	Easting	Comments							
1	E 96	1615210.58	2496425.62	Empty flare body							
2											
3											
4											
5 6											
7											
8											
9											
10											
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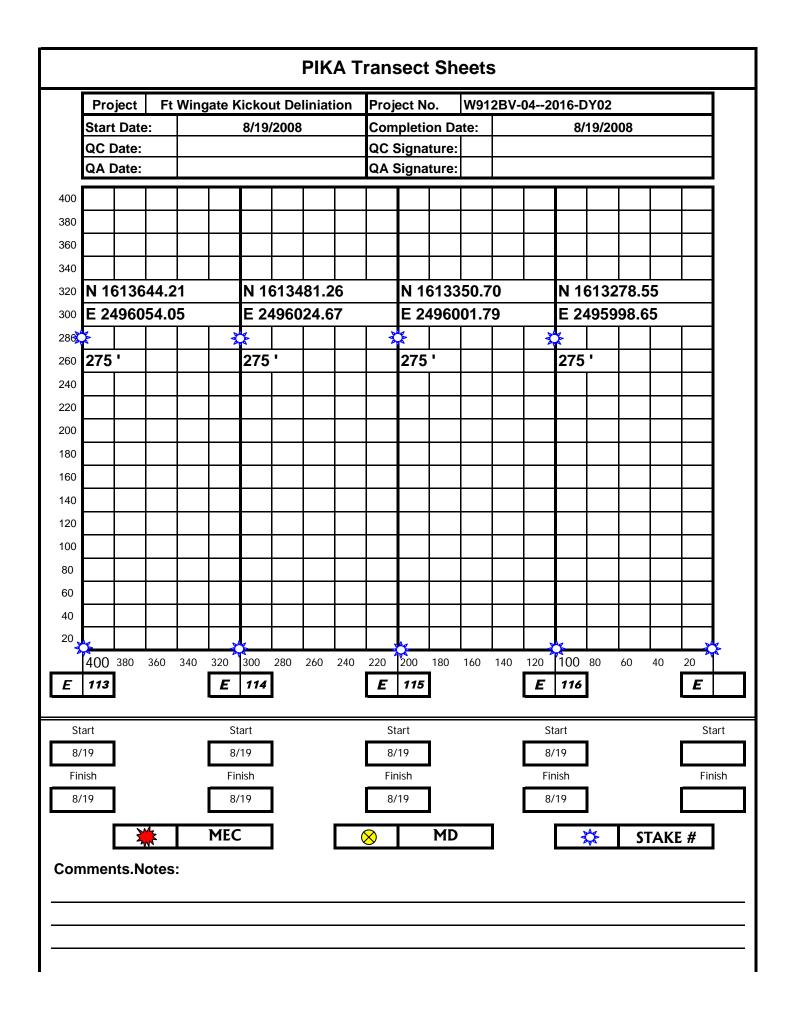


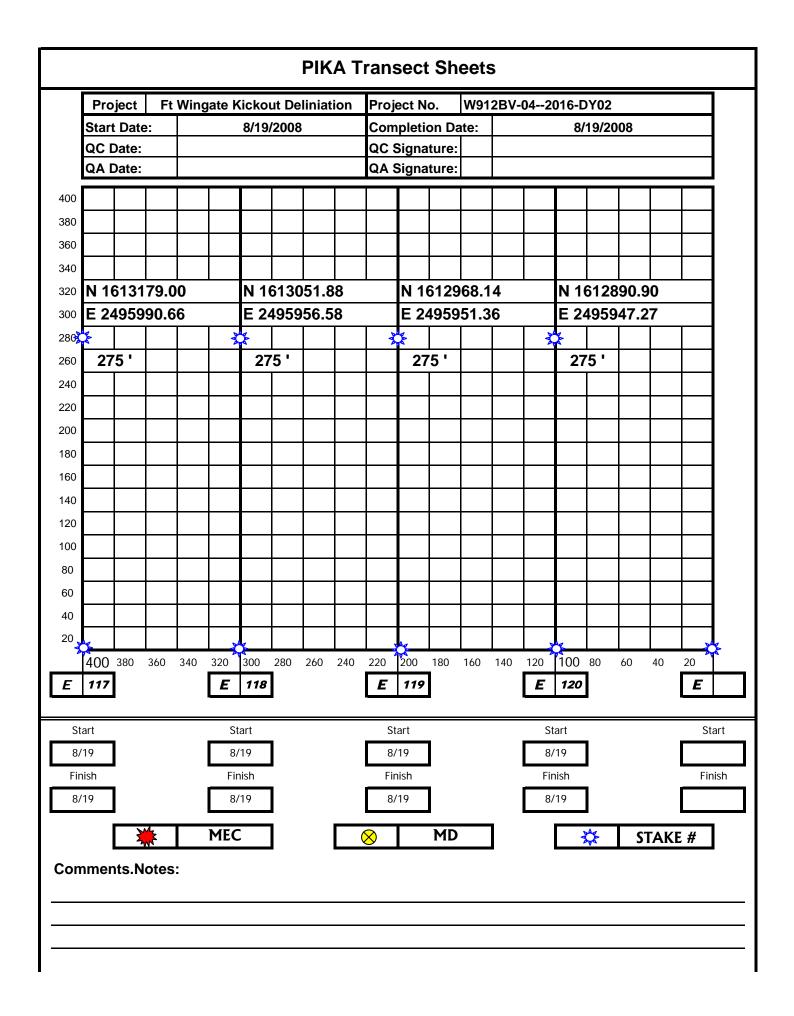
	Anomalies										
#	ID	Northing	Easting	Comments							
1	E 100	1614832.41	2496116.29	Fragmentation							
2											
3											
4											
5											
6											
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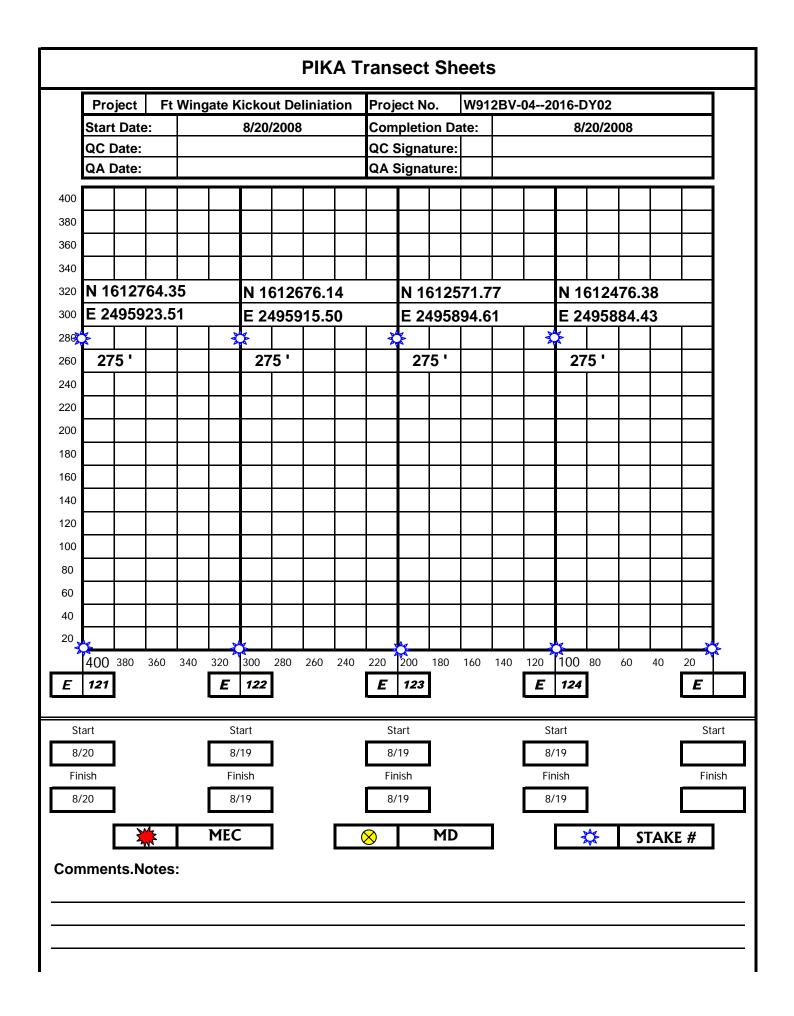


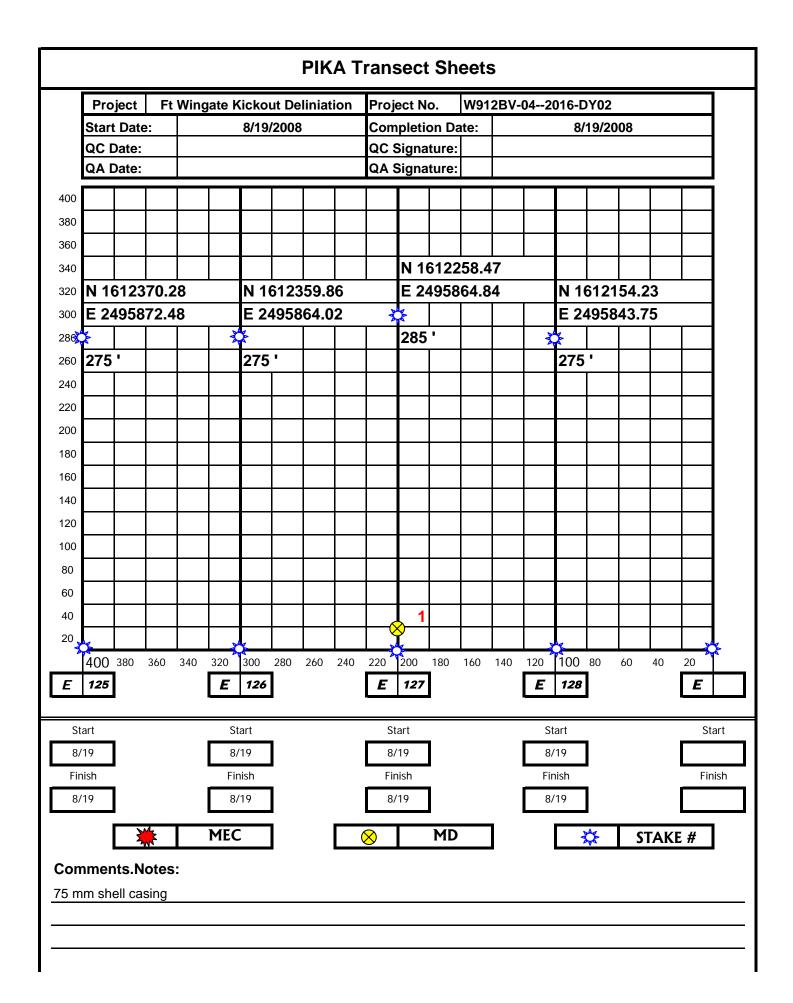




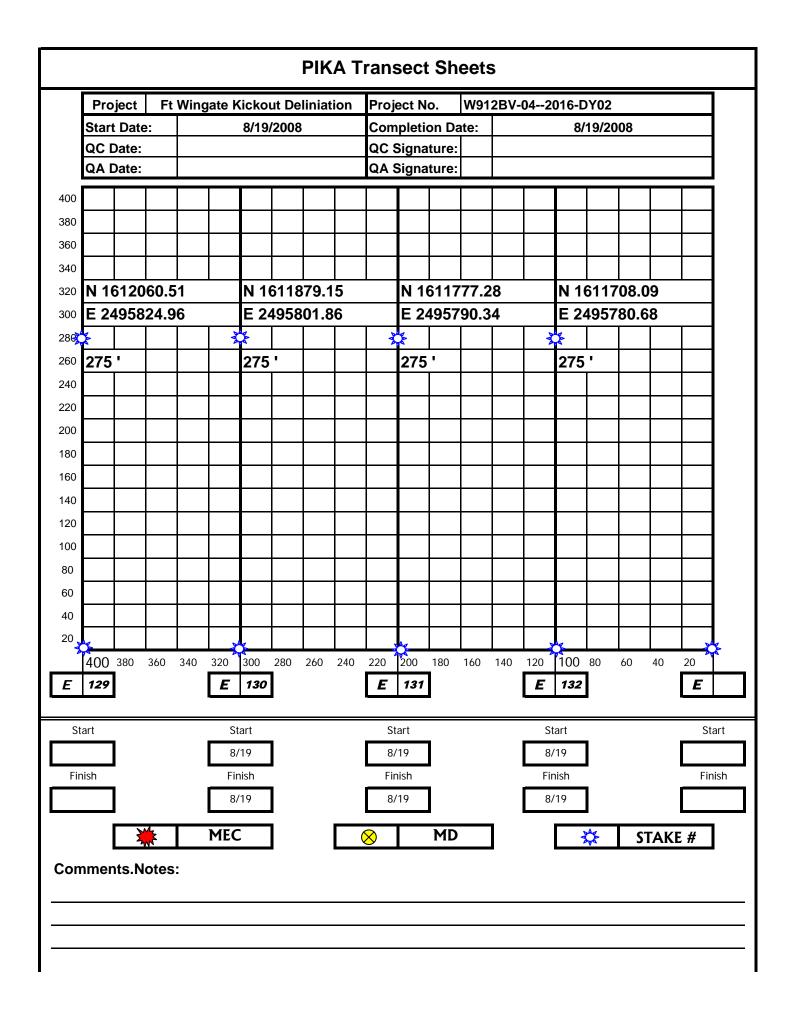


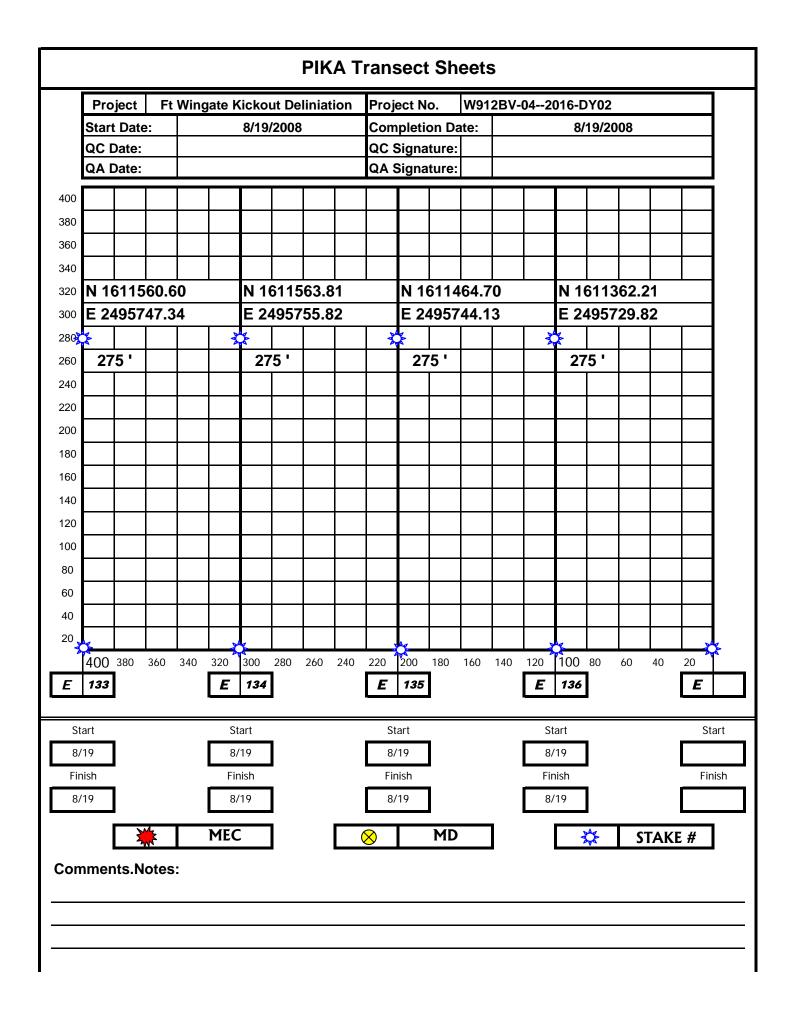


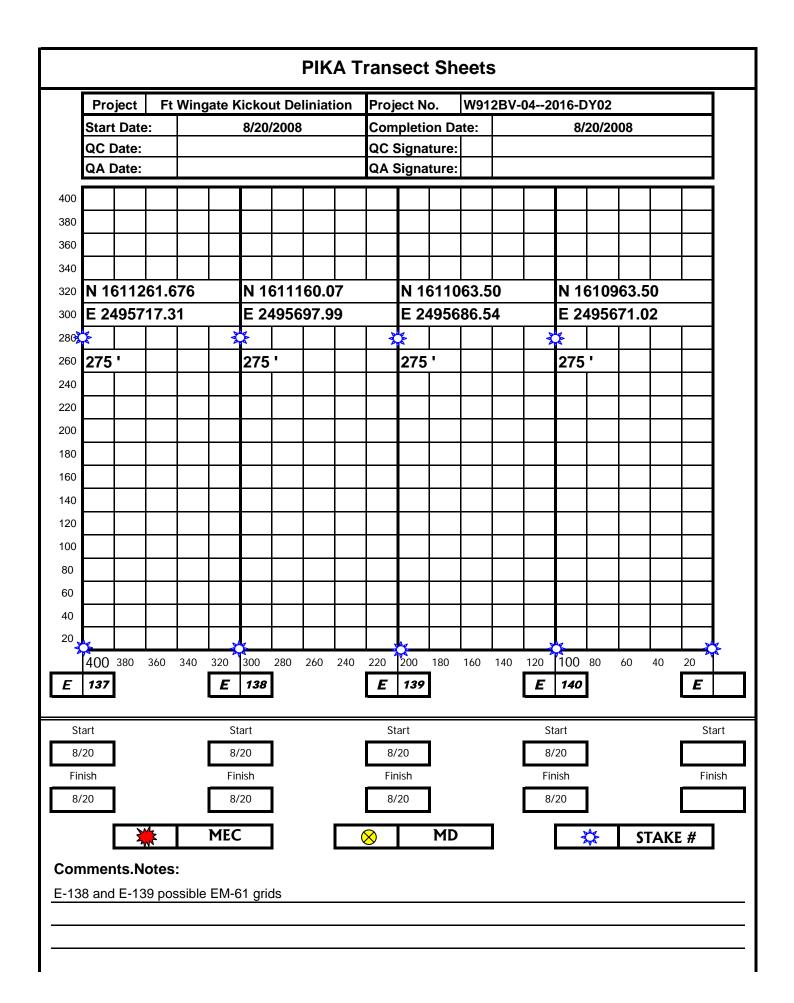


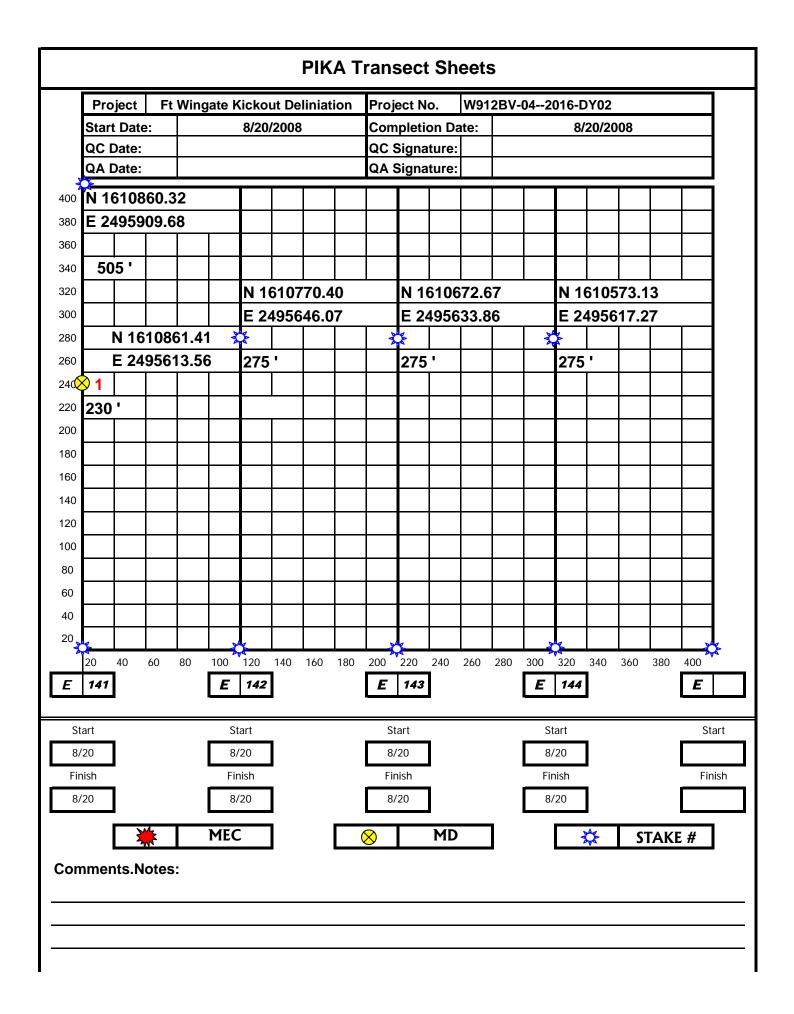


	Anomalies										
#	ID	Northing	Easting	Comments							
1	E 127	1612258.47	2495864.84	Empty 75mm shell casing							
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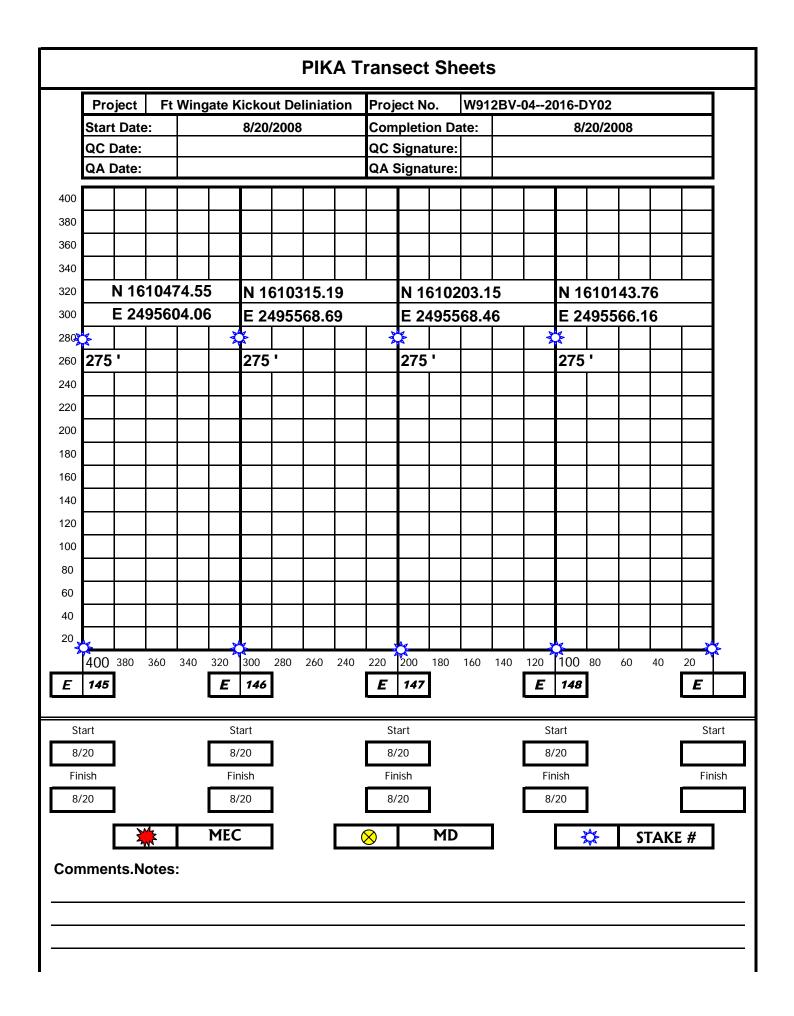


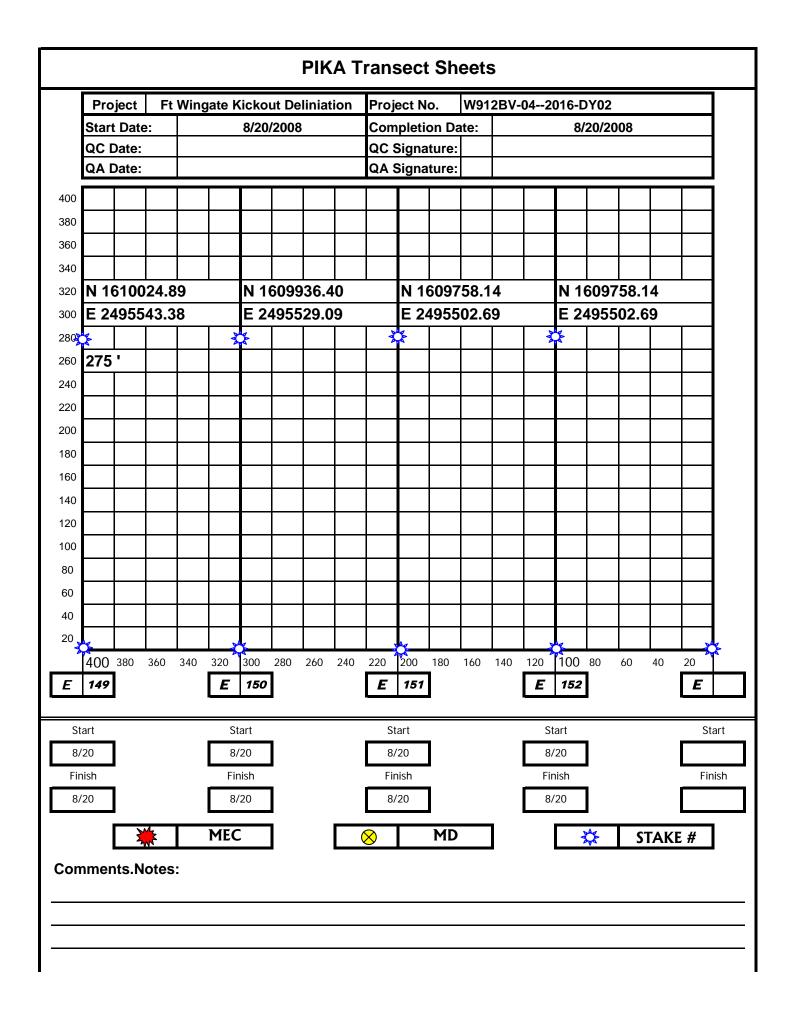






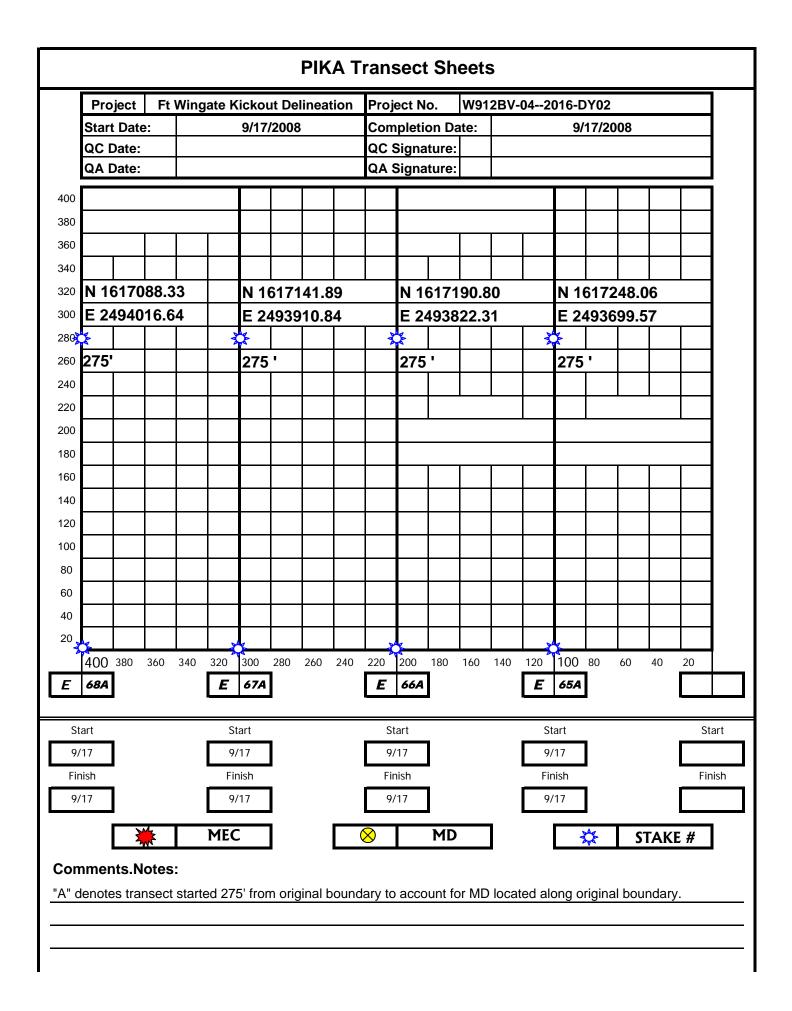
	Anomalies											
#	ID	Northing	Easting	Comments								
1	E-141	1620861.41	2495613.56	Frag								
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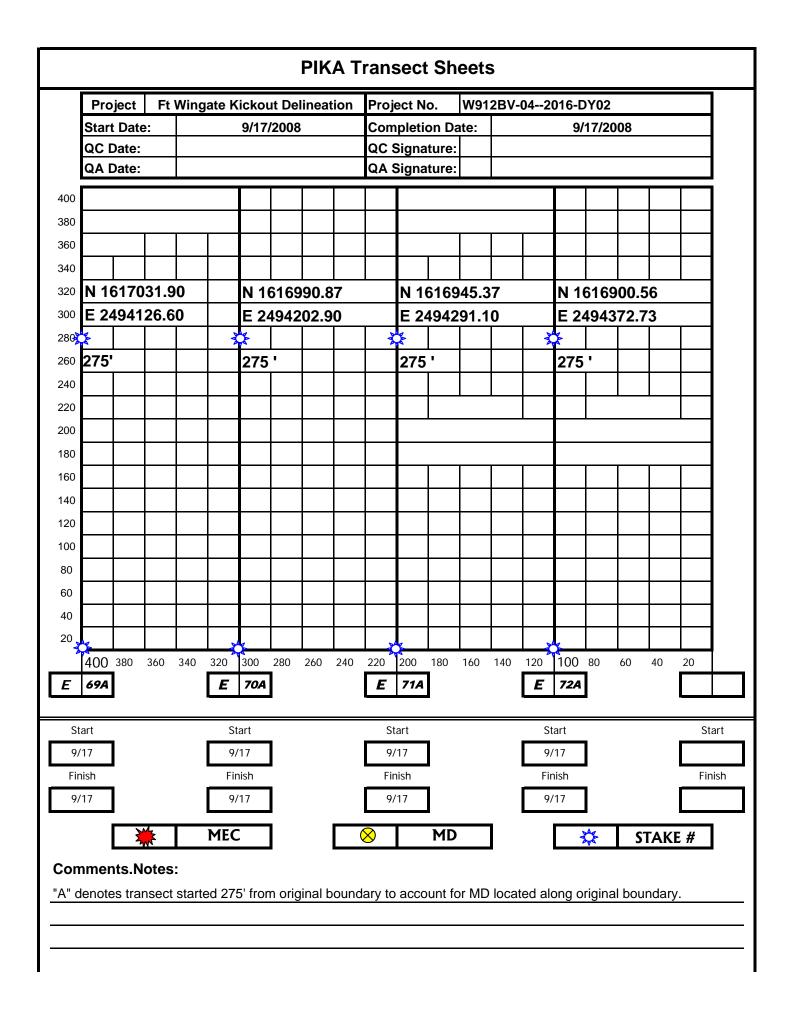


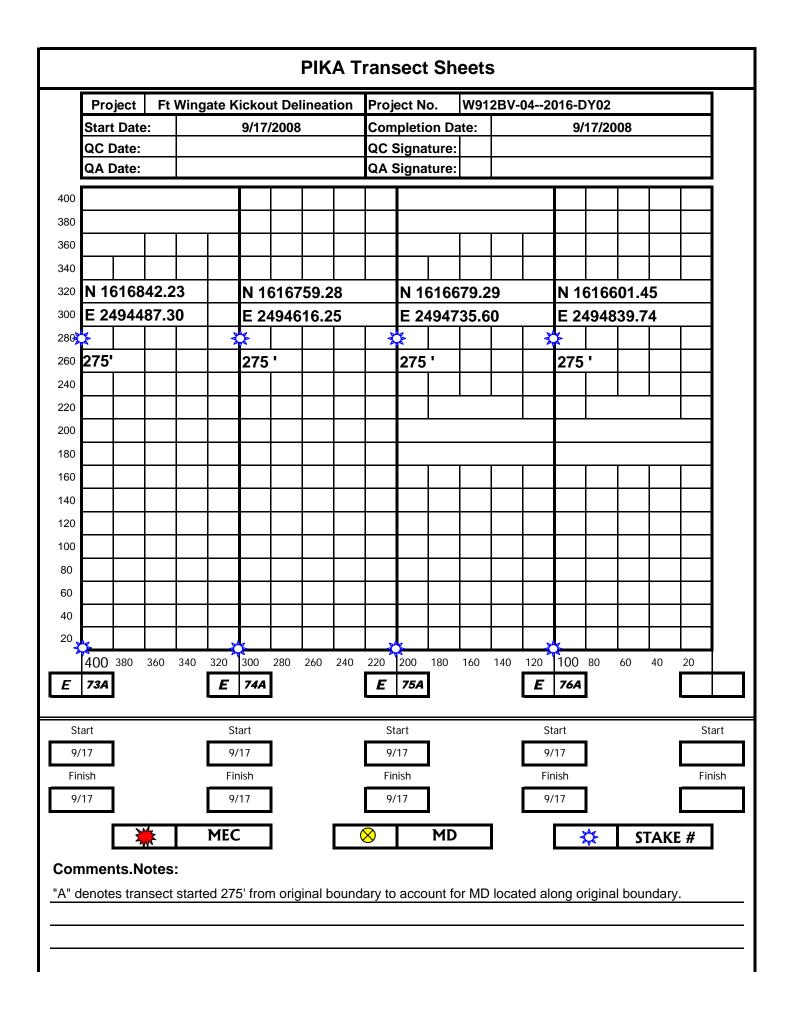


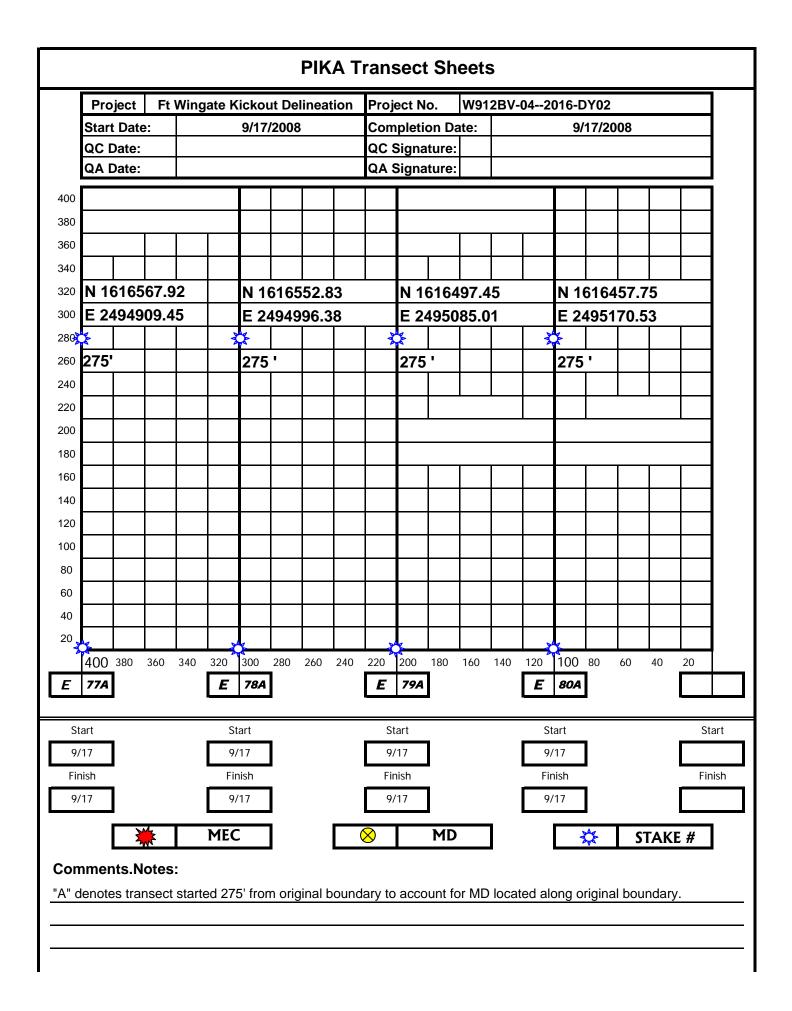
Project Ft Wingate Kickout Deliniation Project No. W912BV-042016-DY02	
Start Date: 9/11/2008 Completion Date: 9/11/2008	
QC Date: QC Signature:	
QA Date: QA Signature:	
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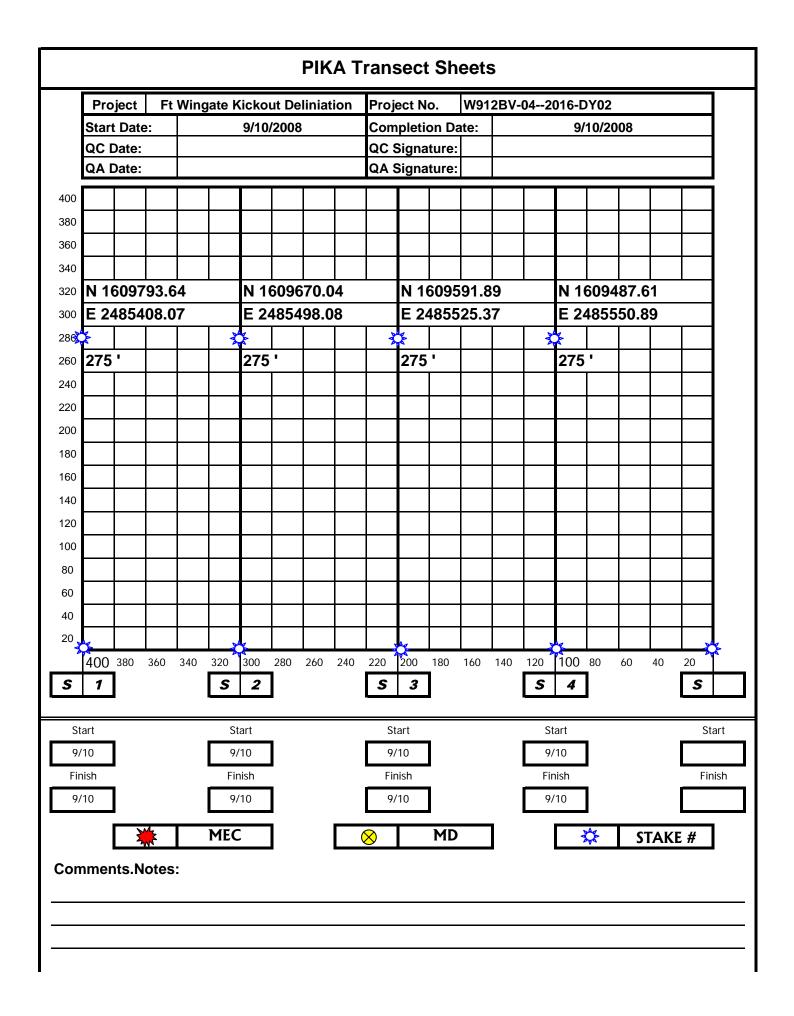
	PIKA Transect Sheets																				
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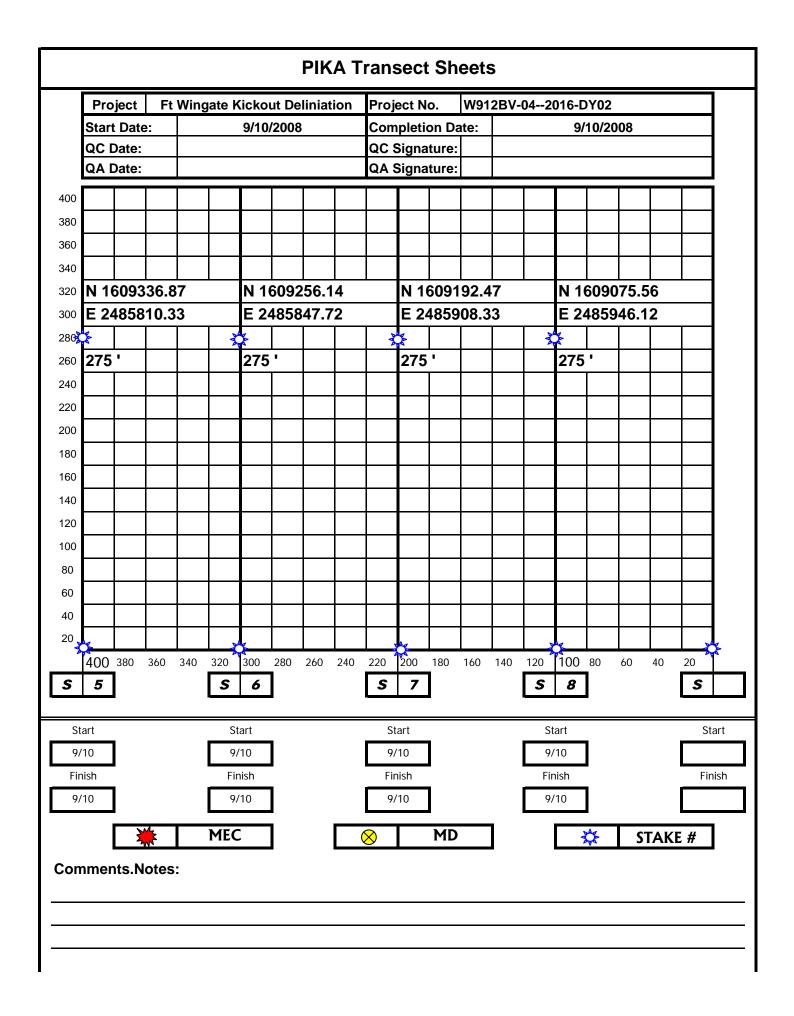


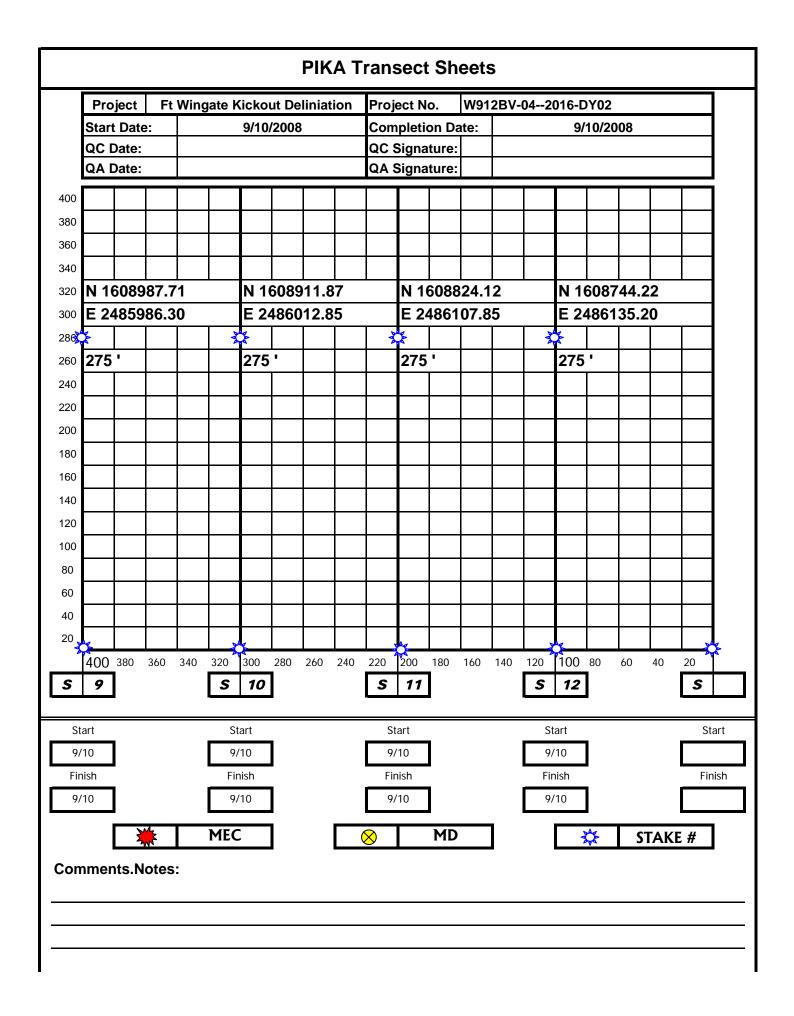


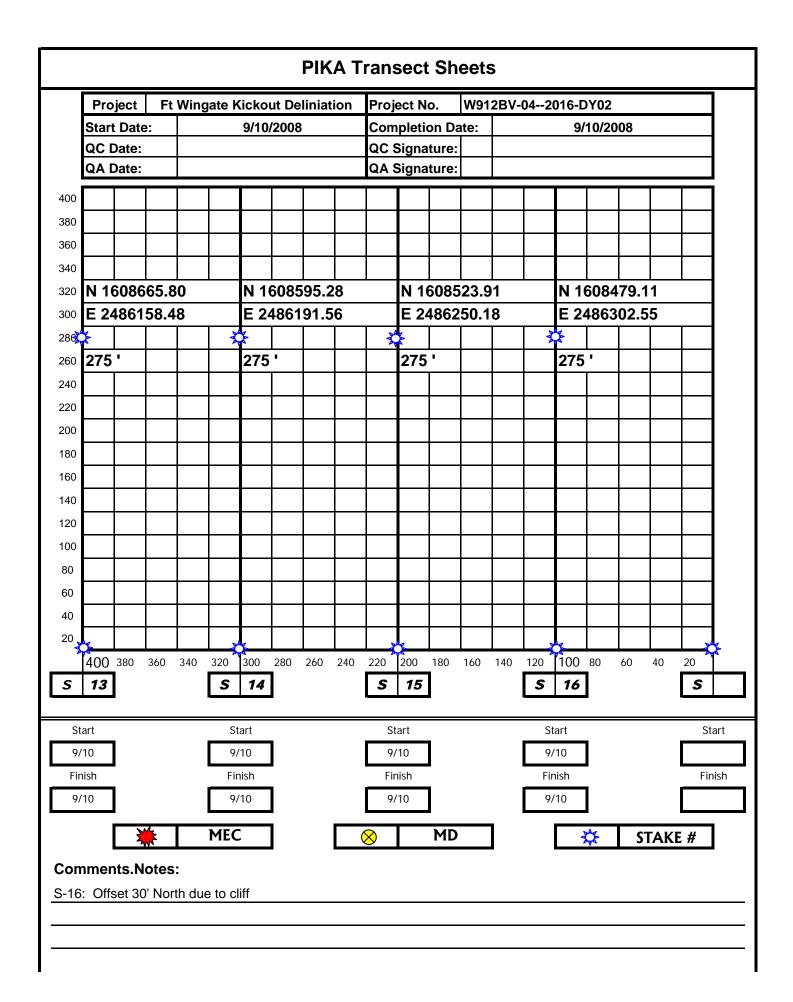


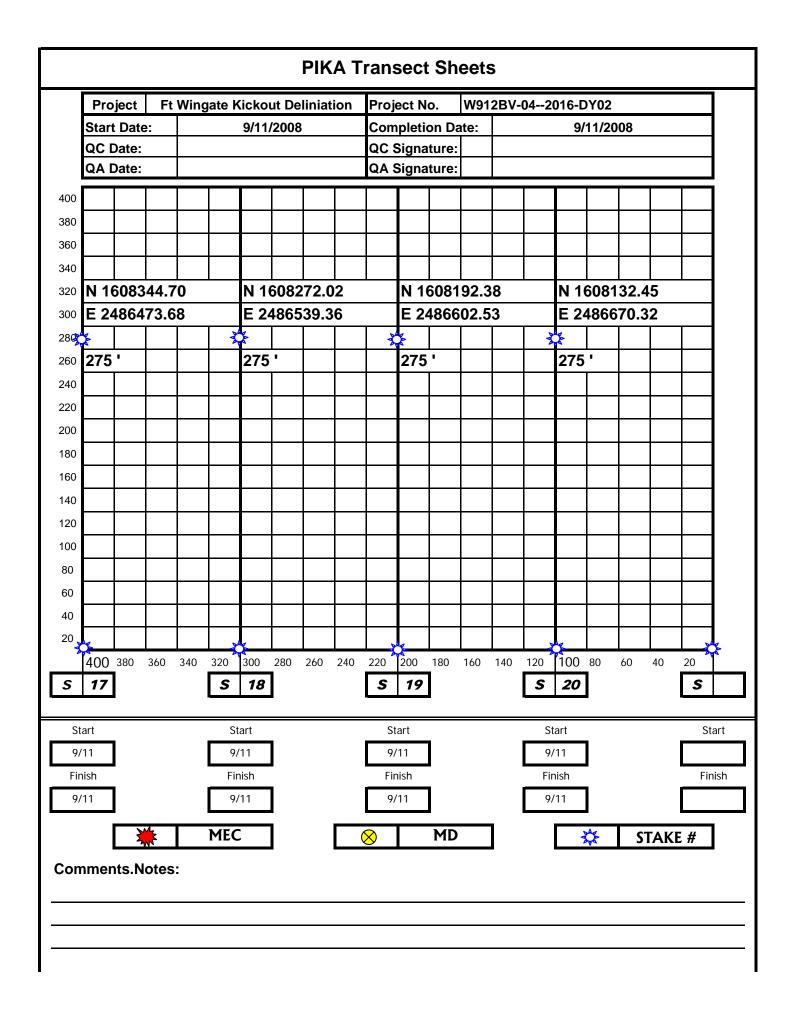


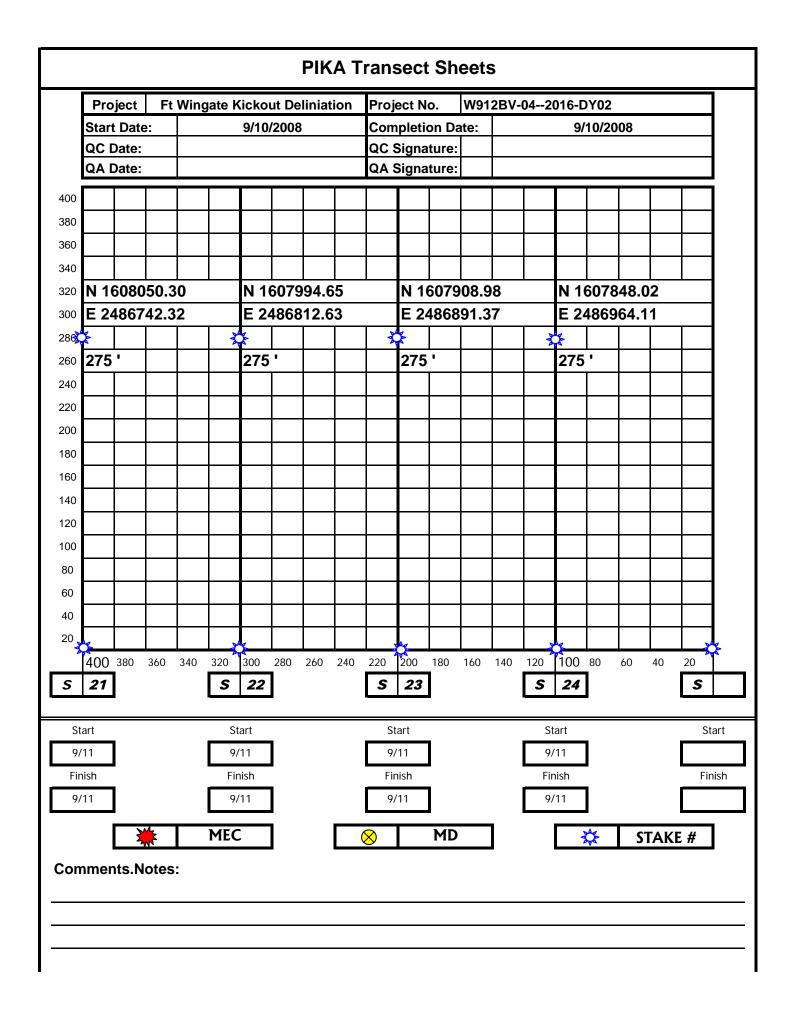


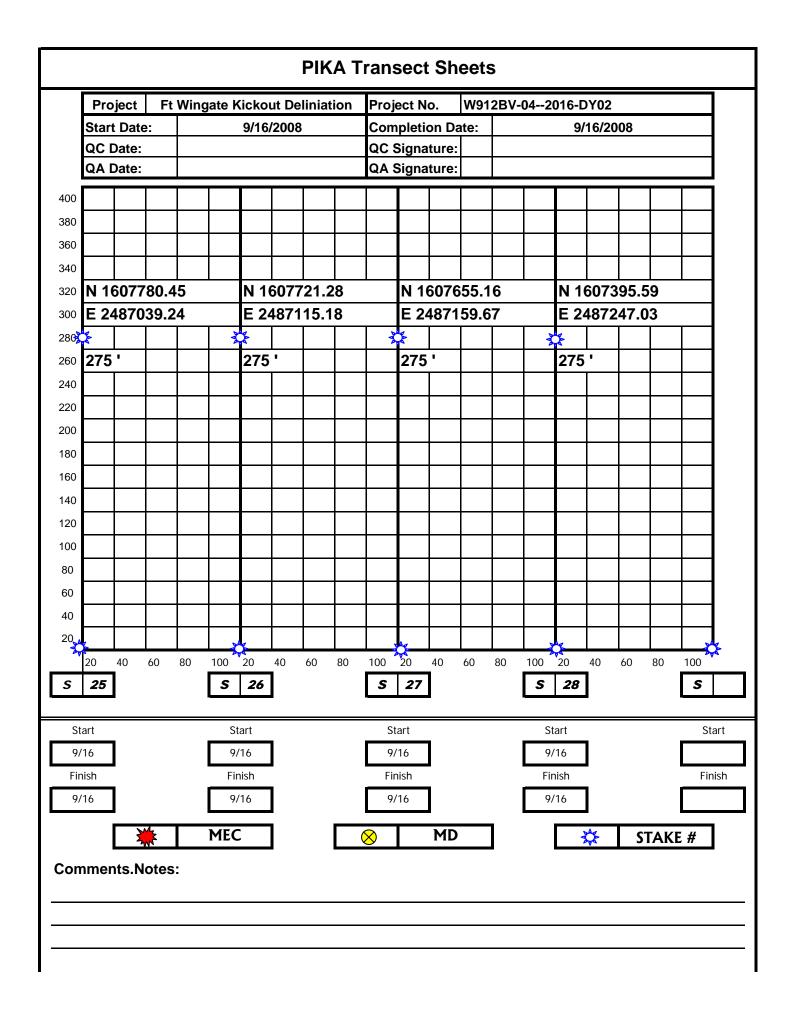


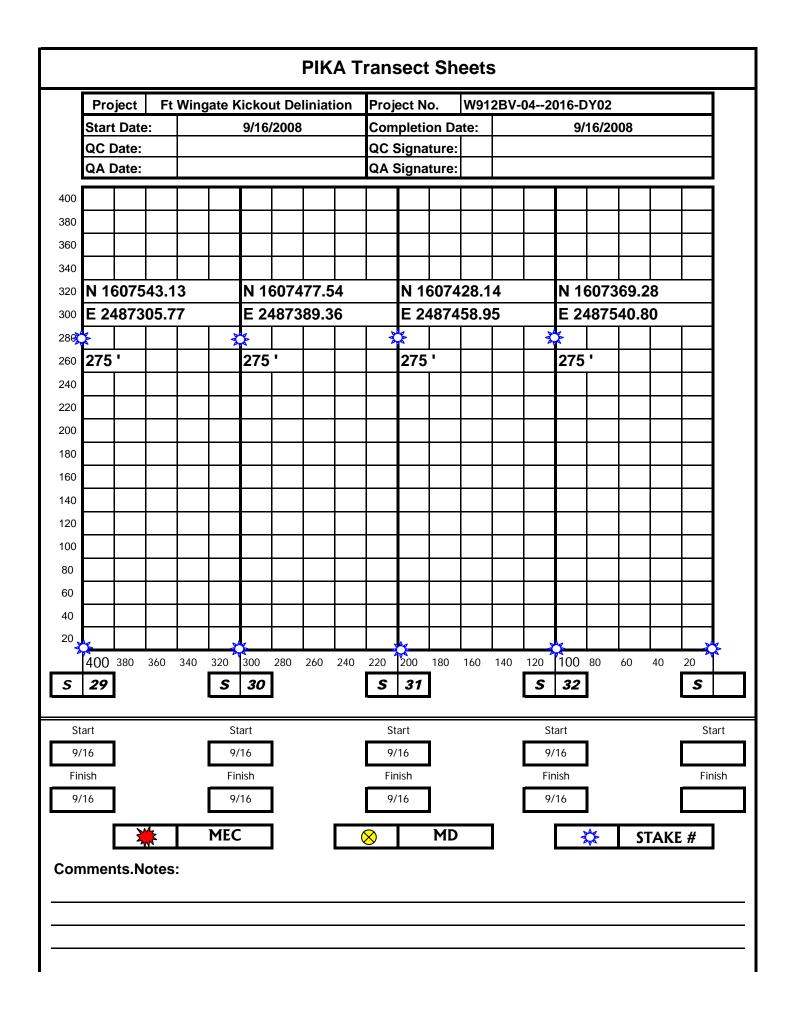


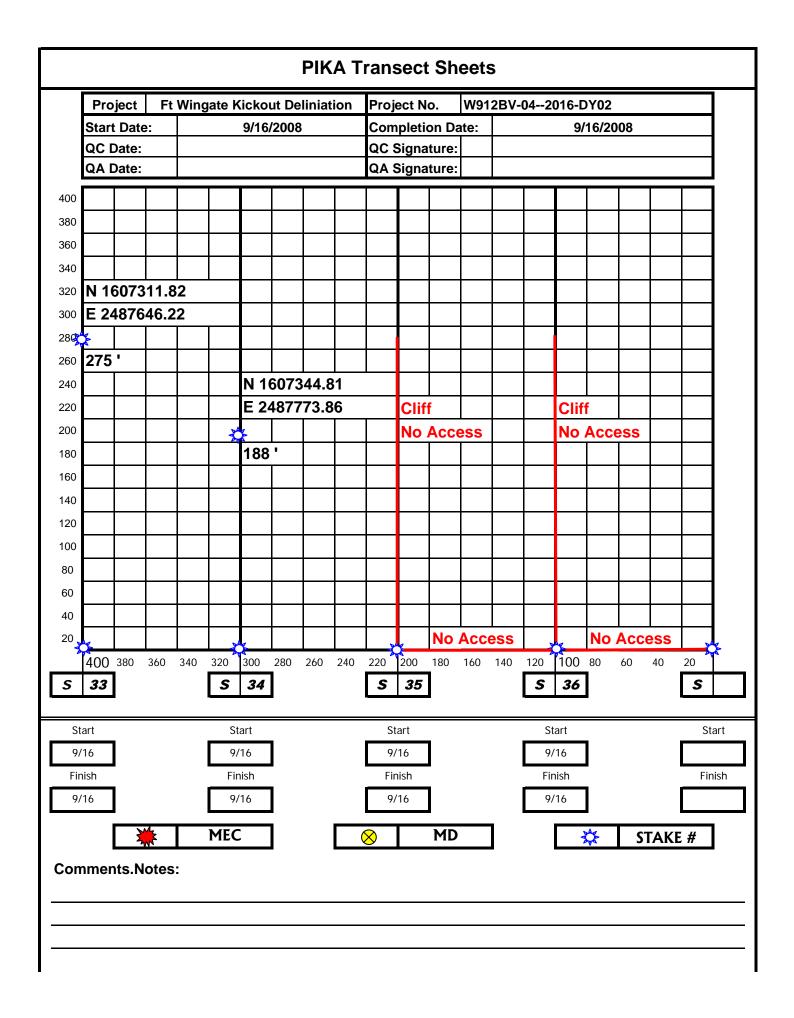


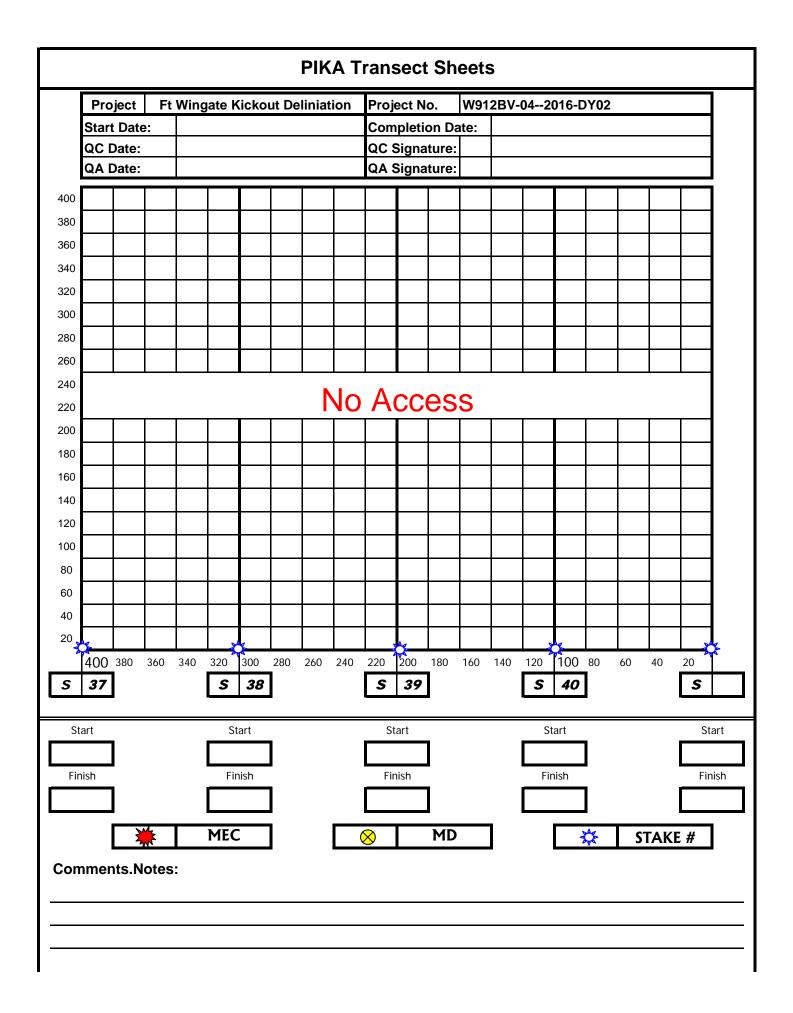


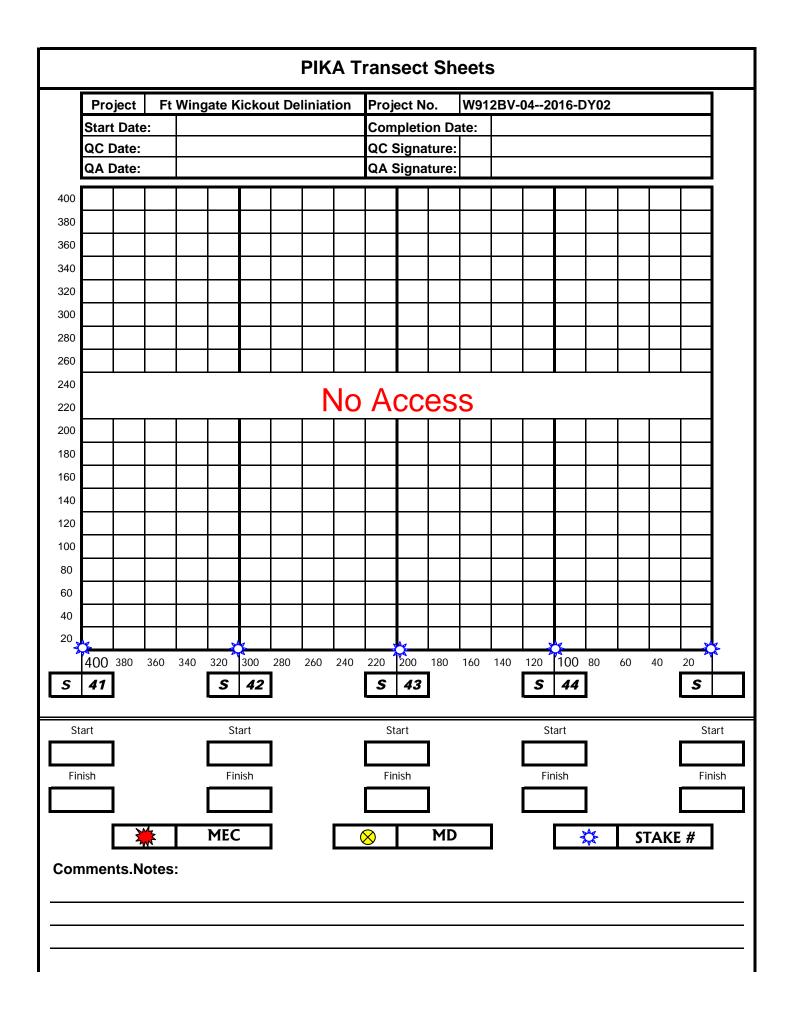


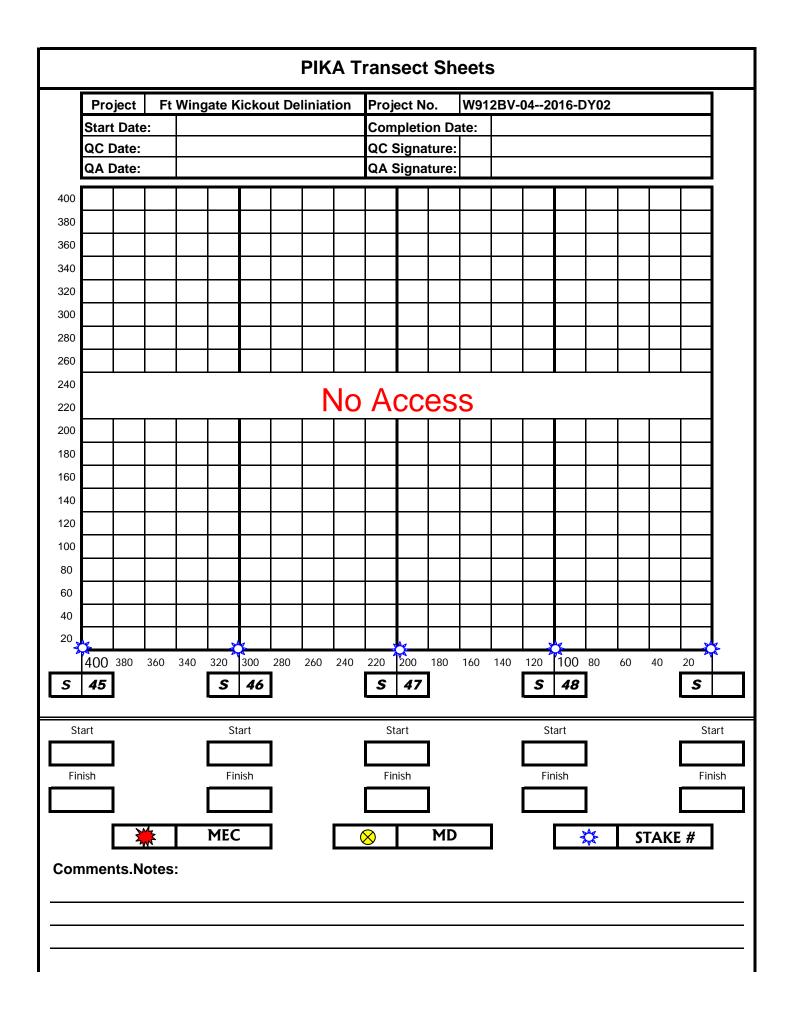


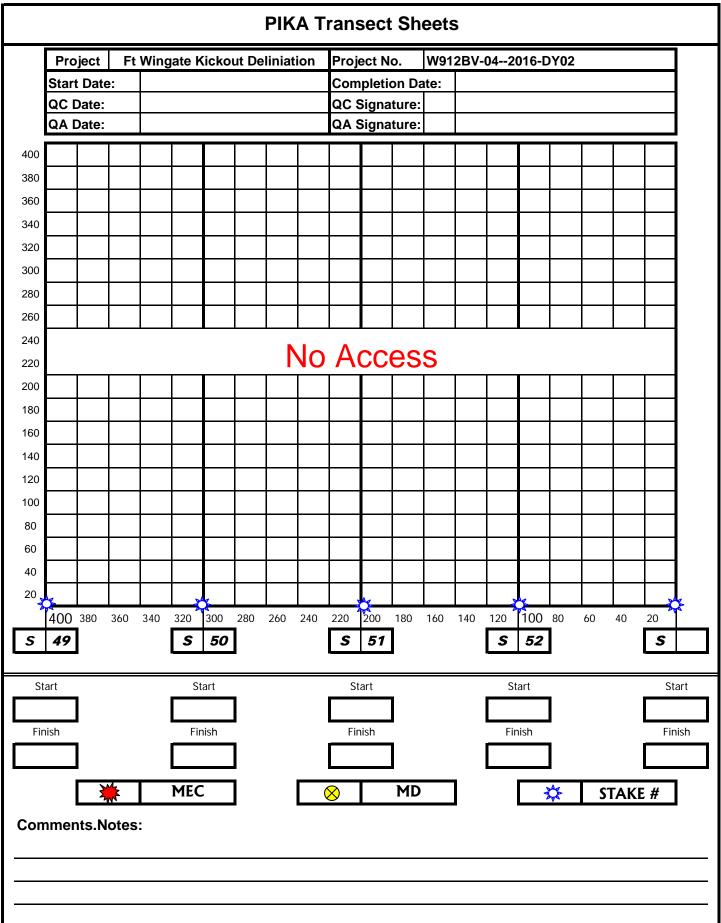


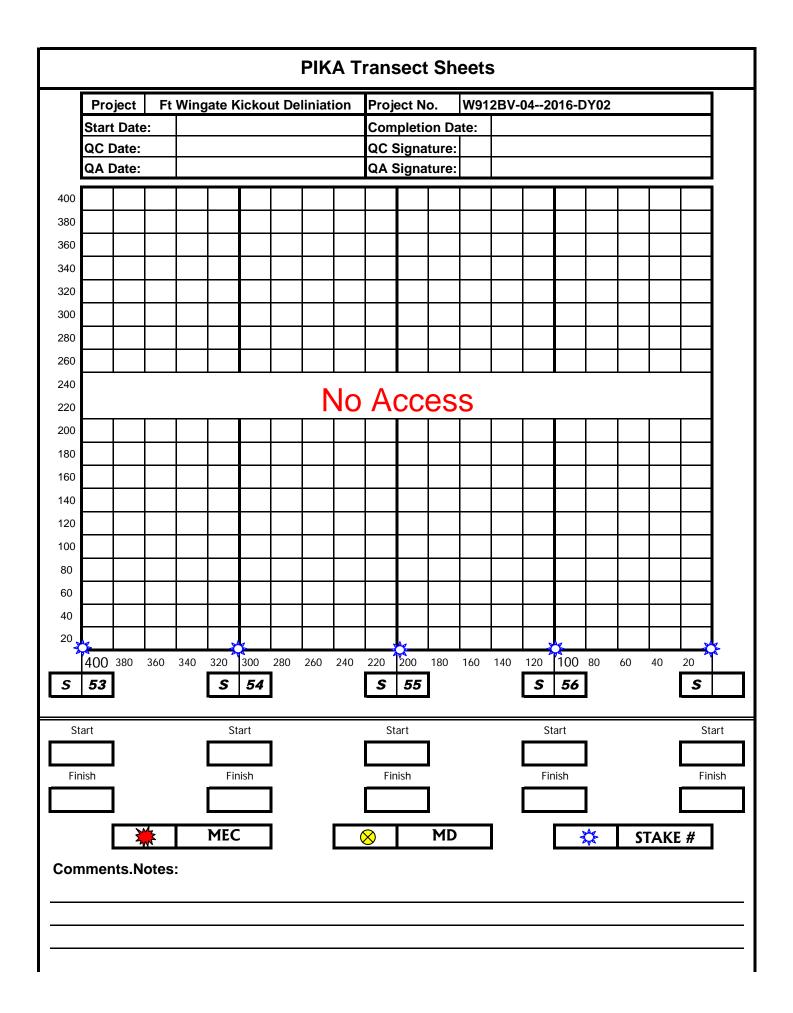


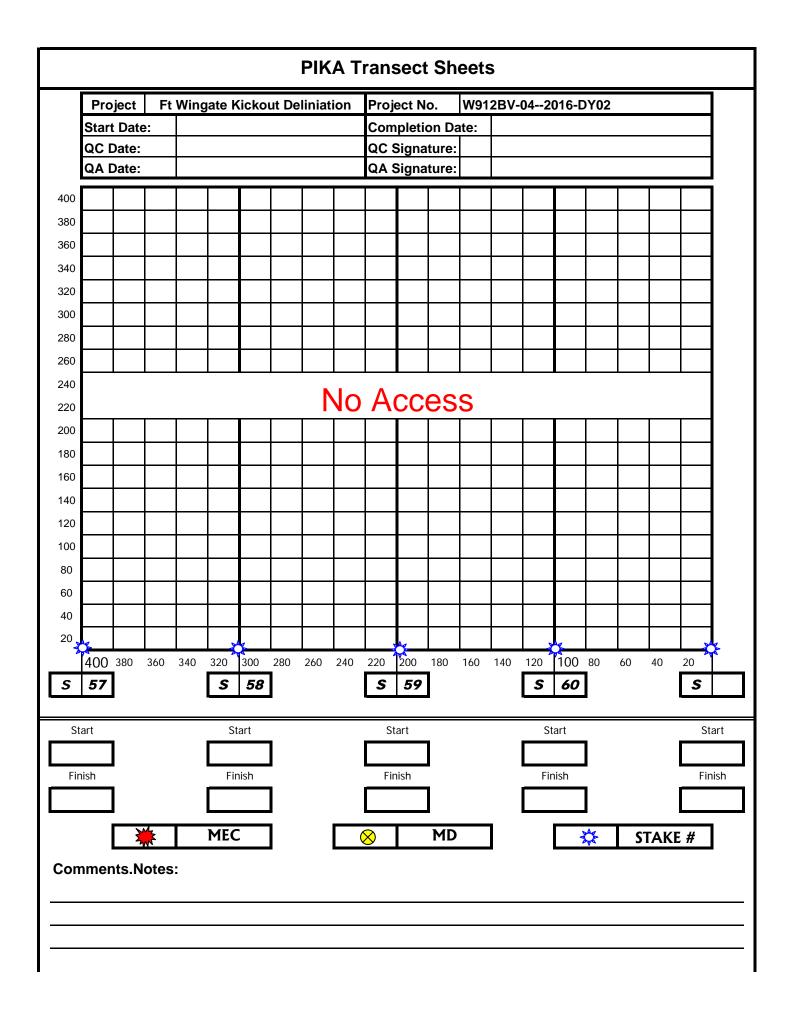


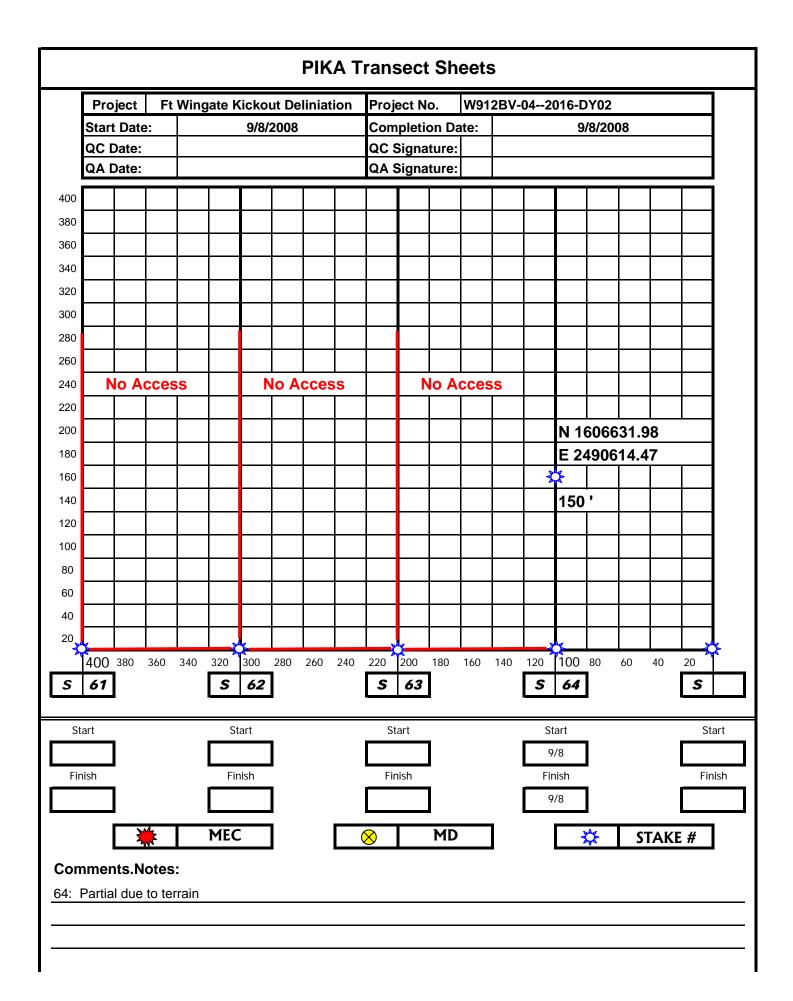


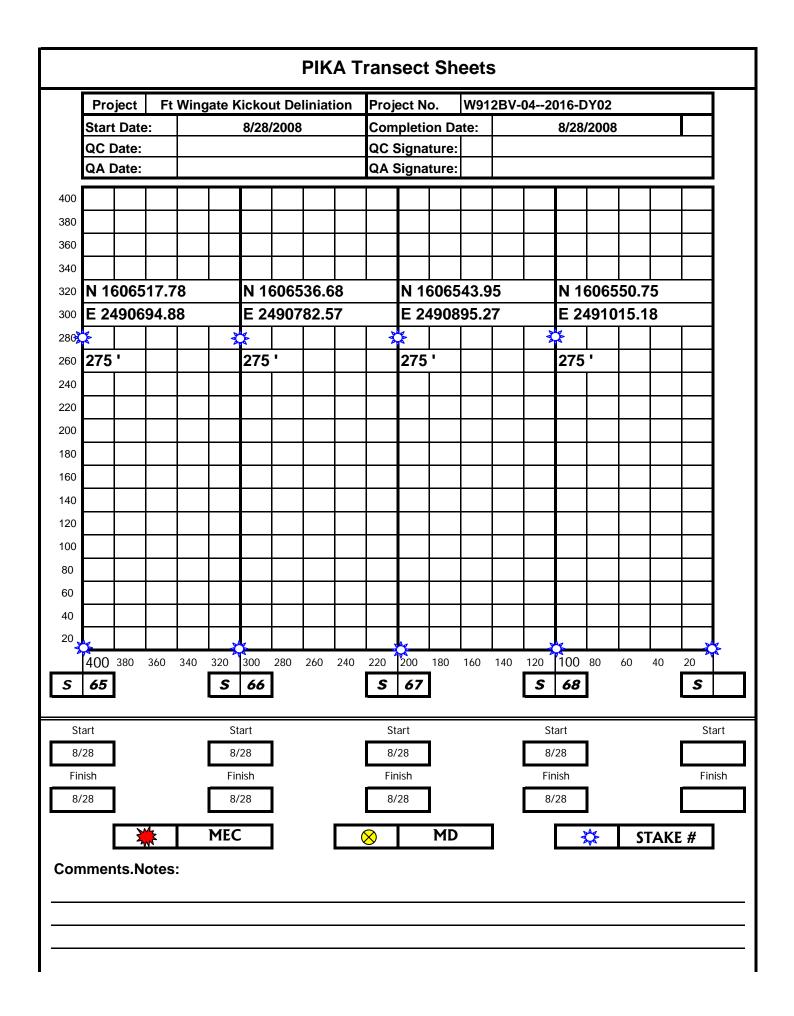


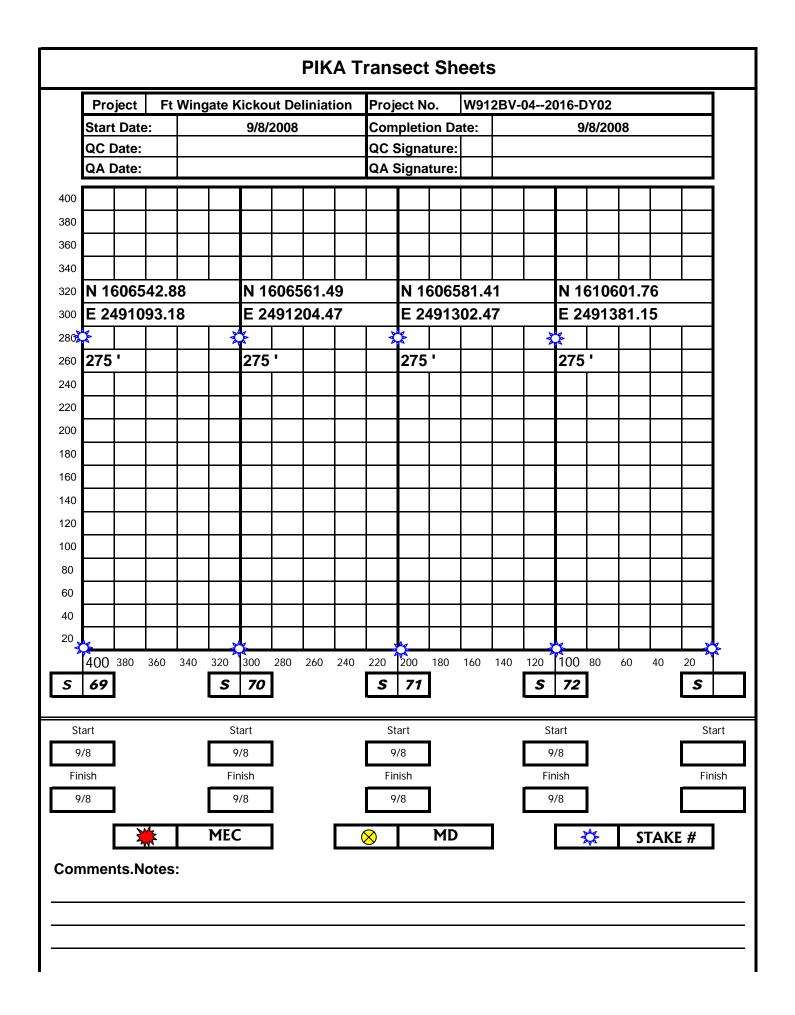


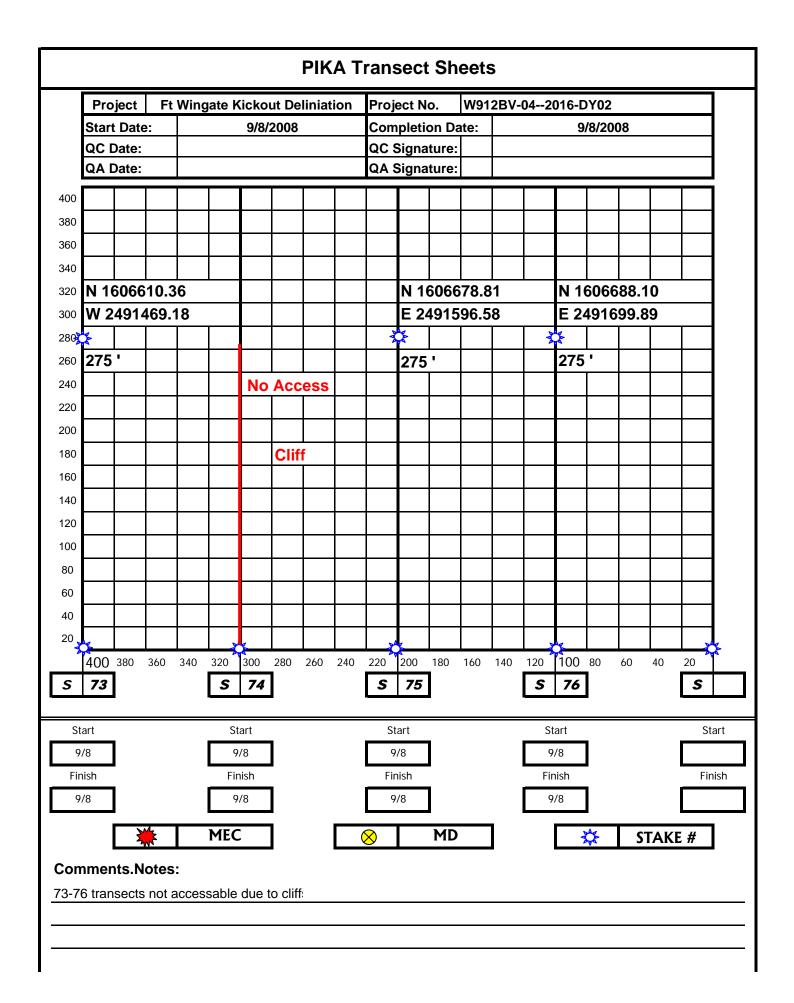




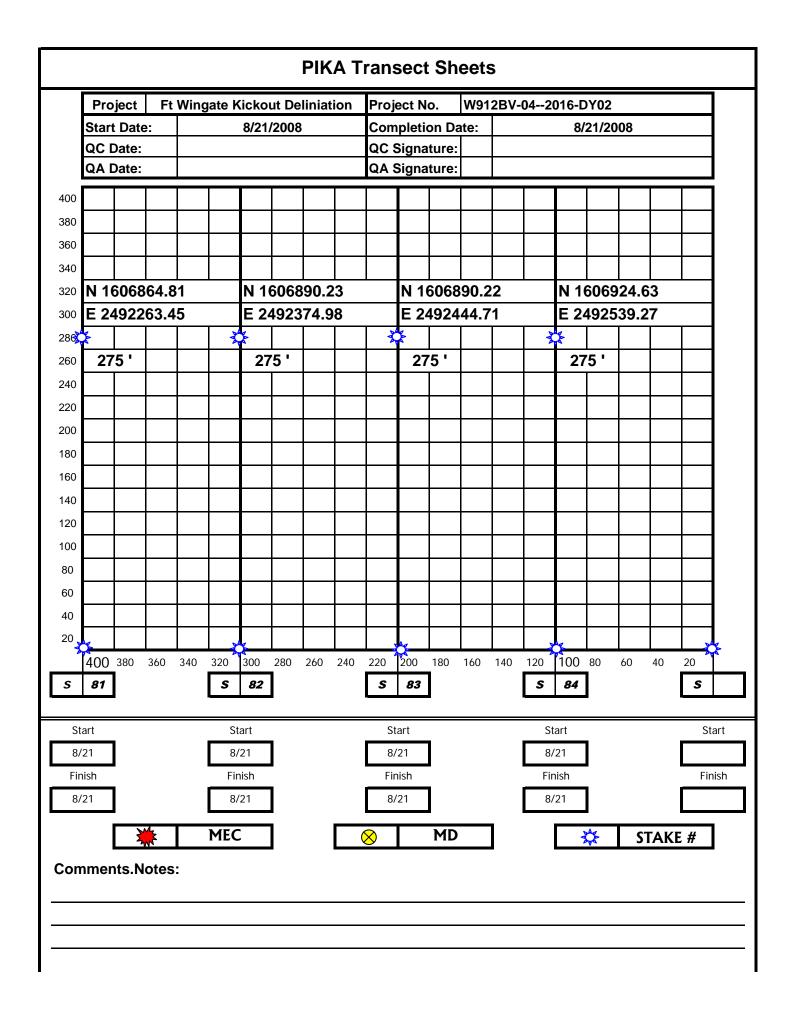


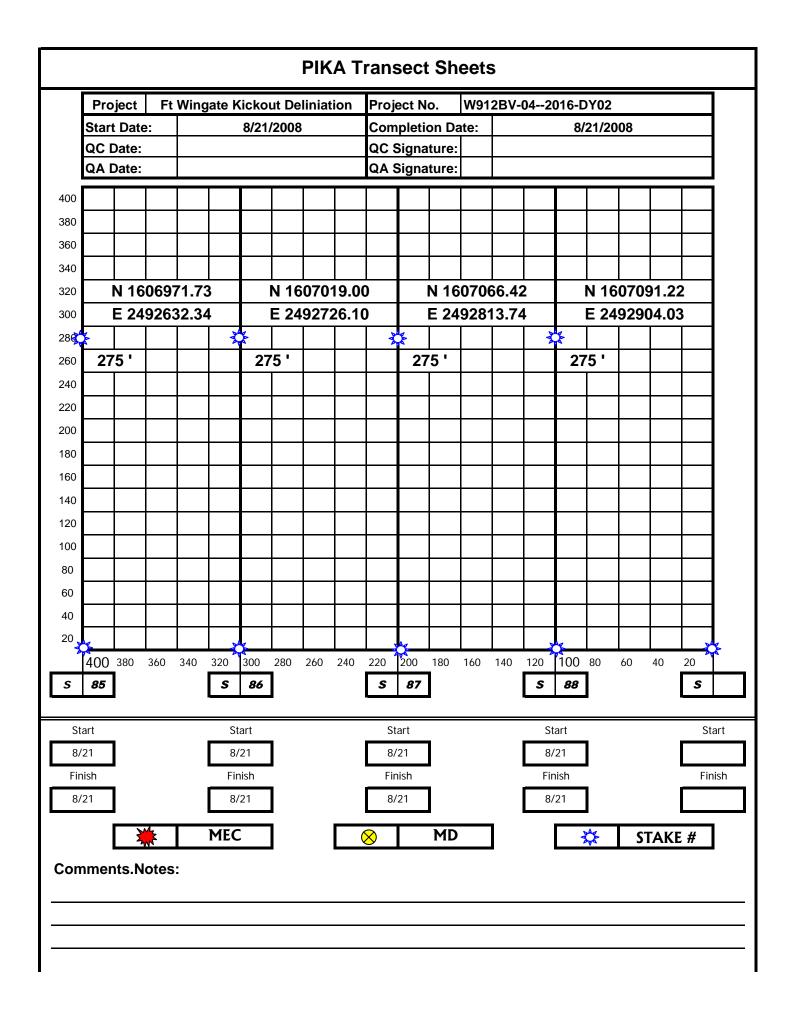


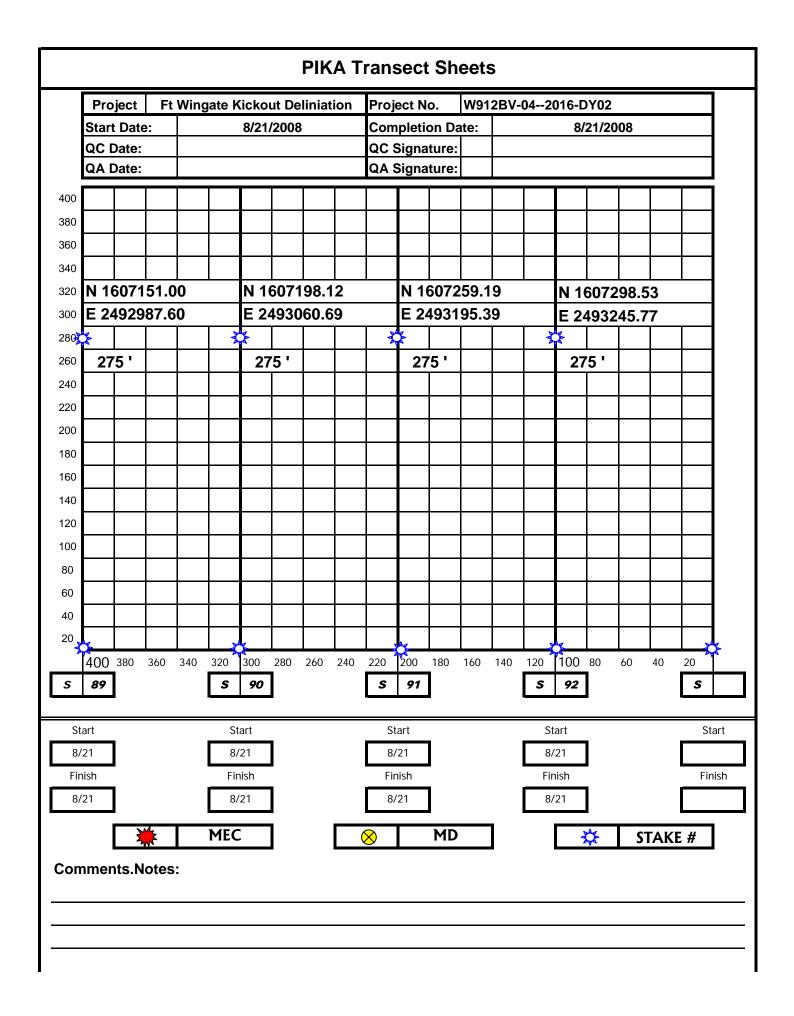


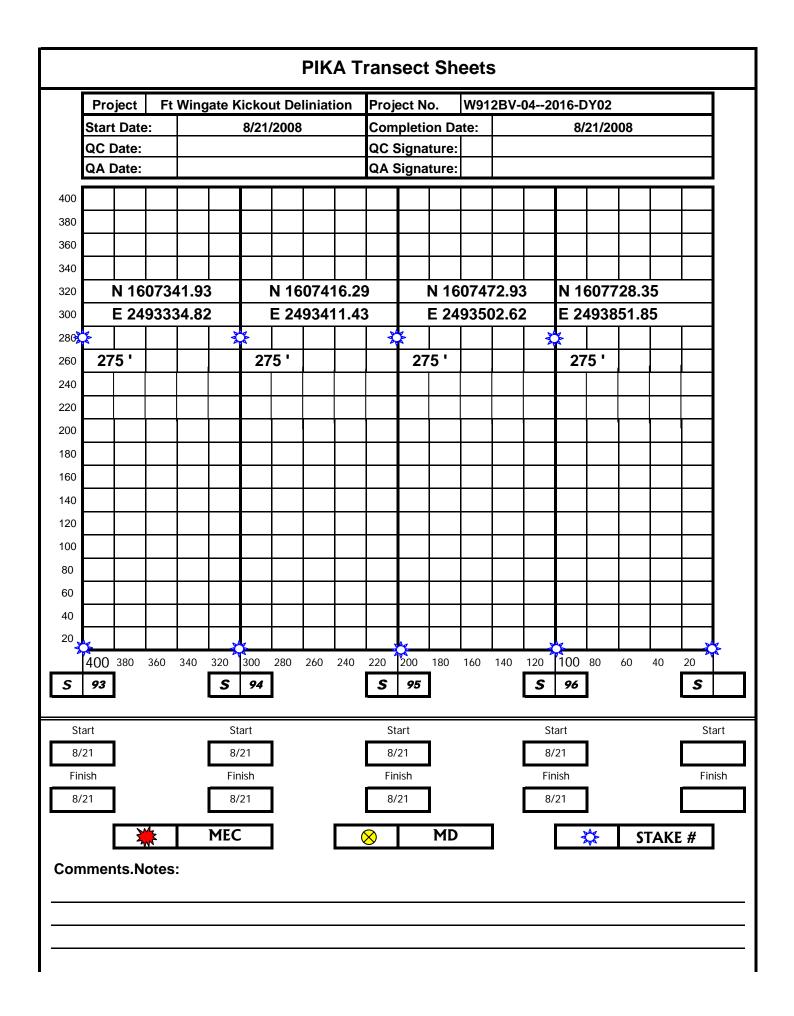


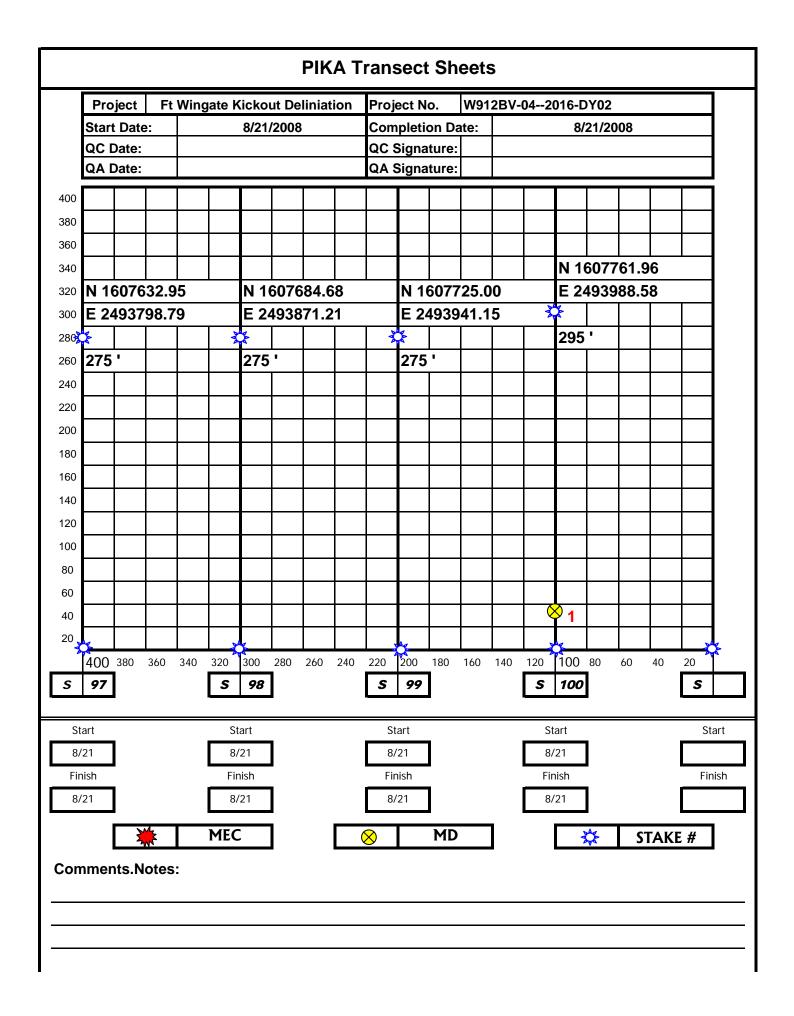
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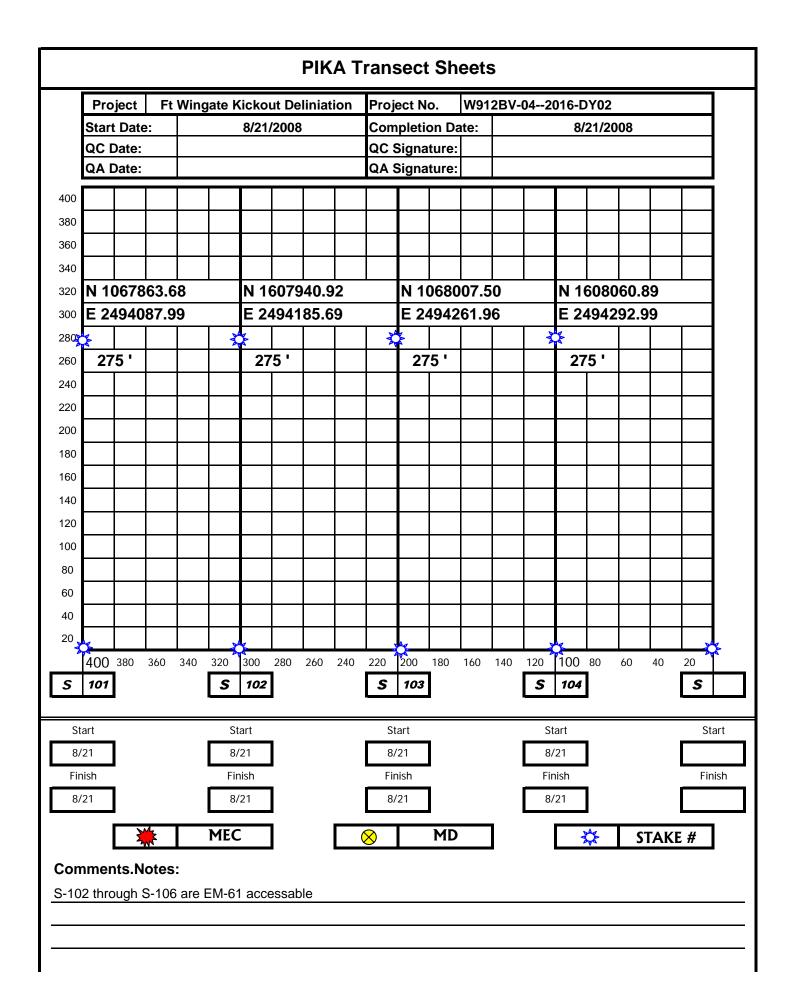


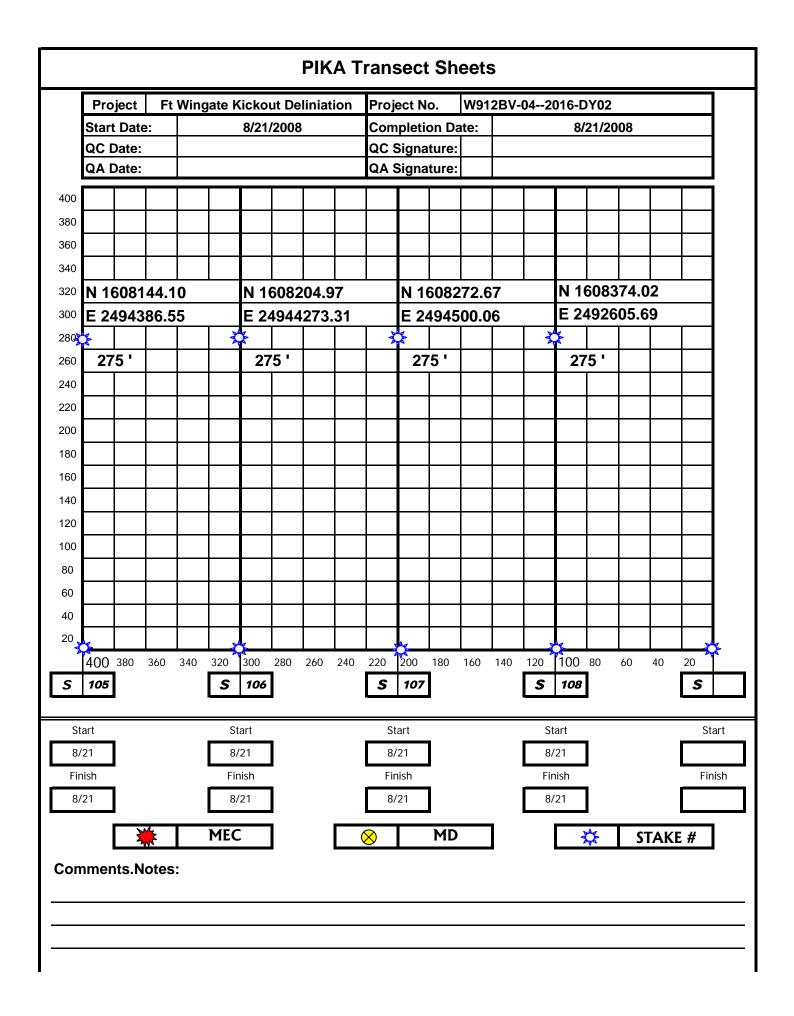


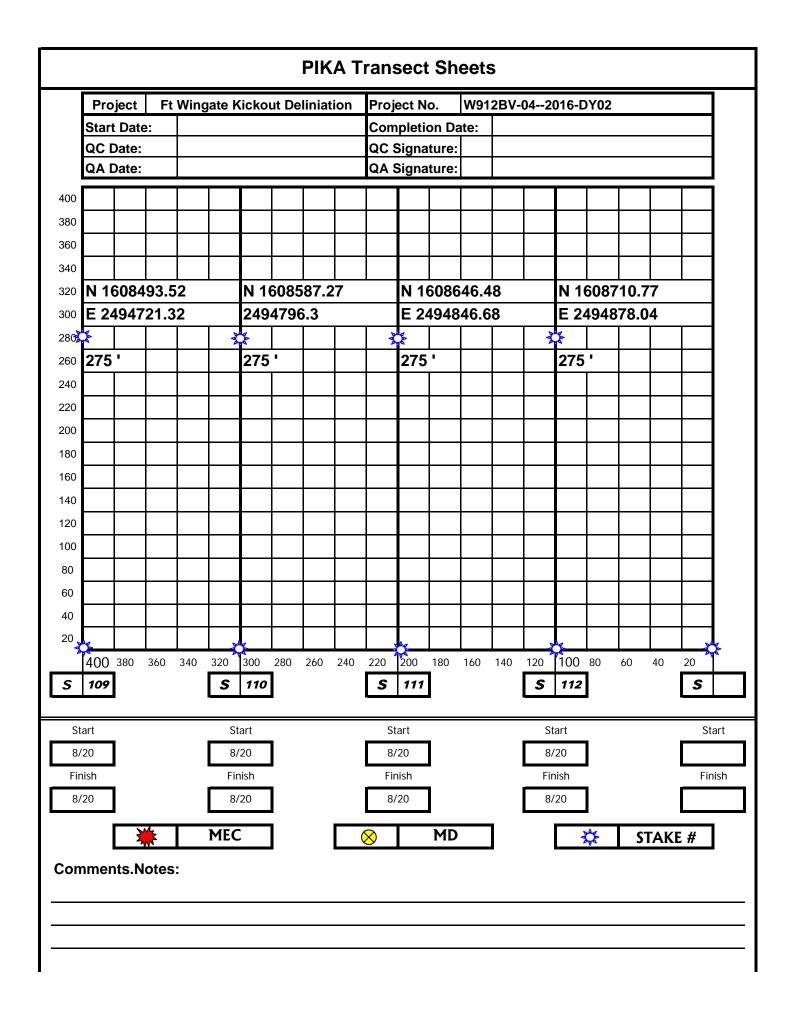


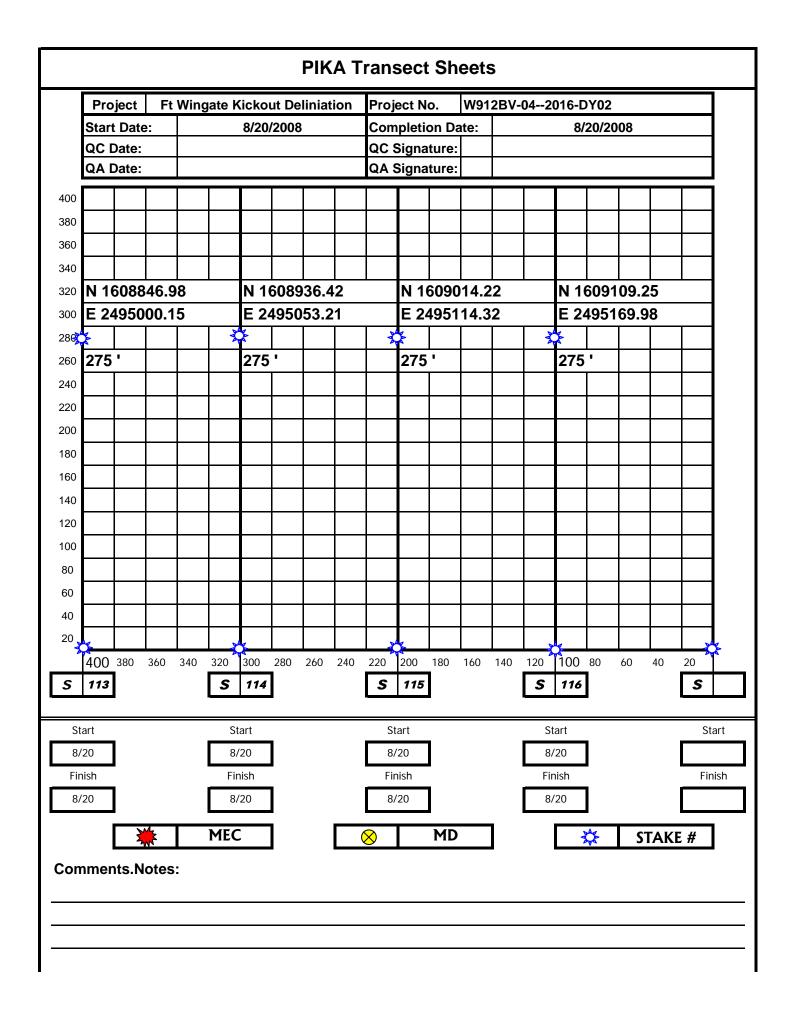


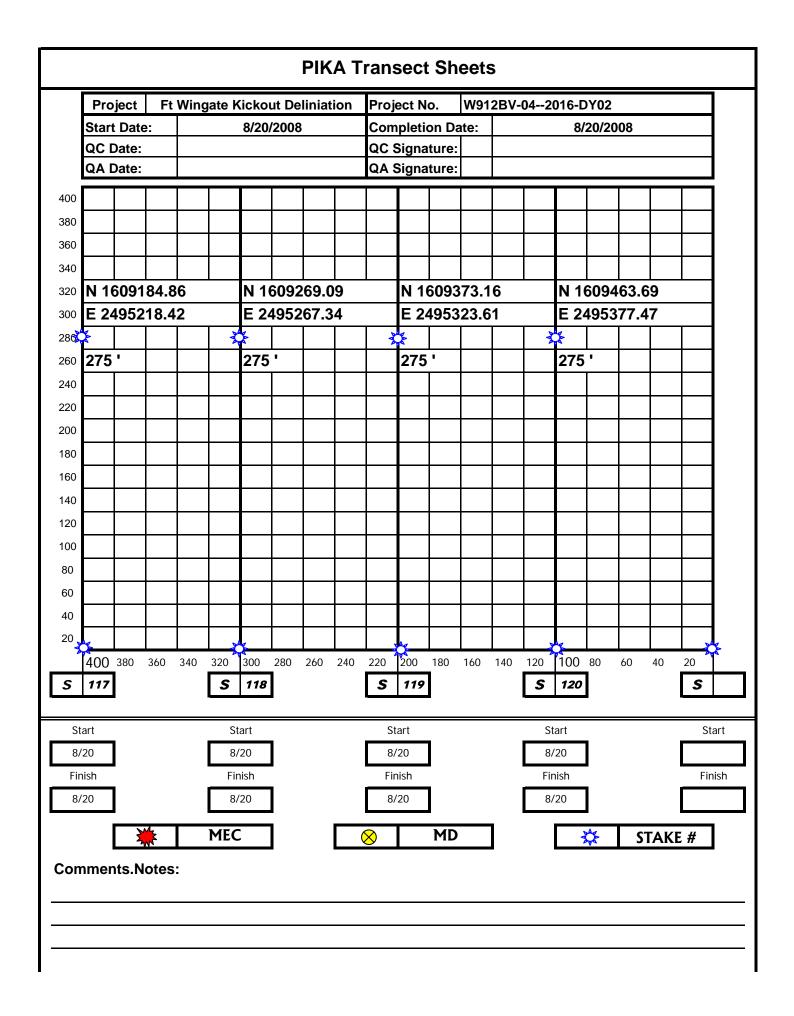
	Anomalies								
#	ID	Northing	Easting	Comments					
1	S100-A	1608026.56	2493893.07	Base plate					
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37 38									
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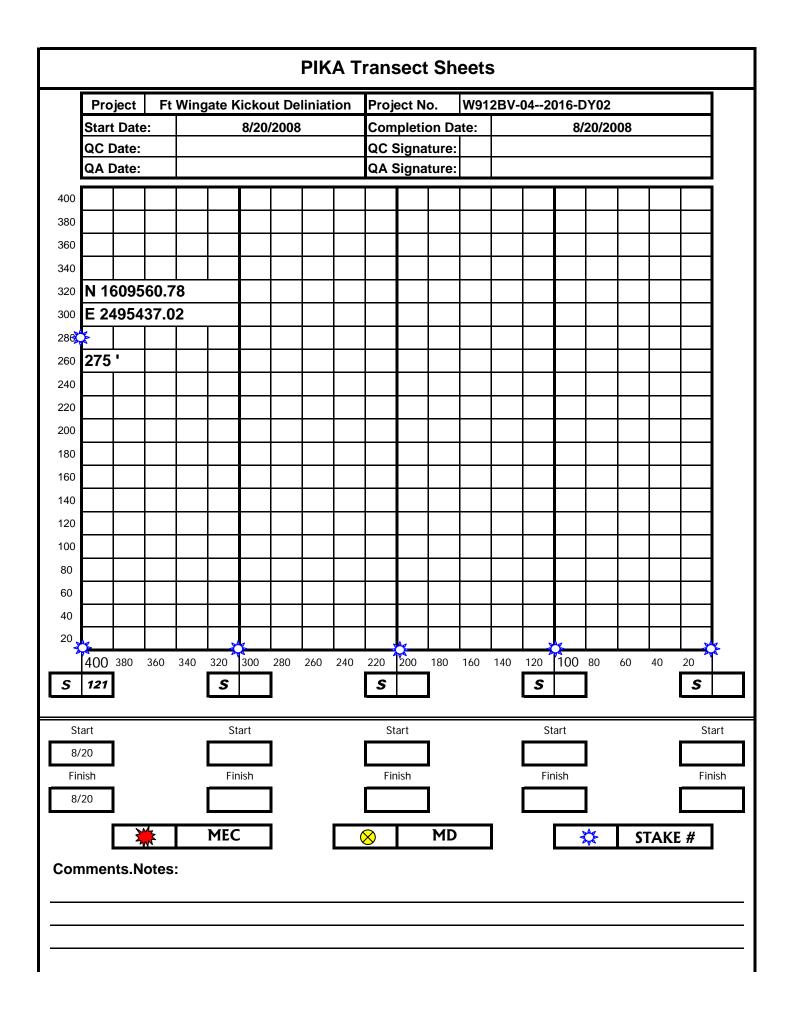


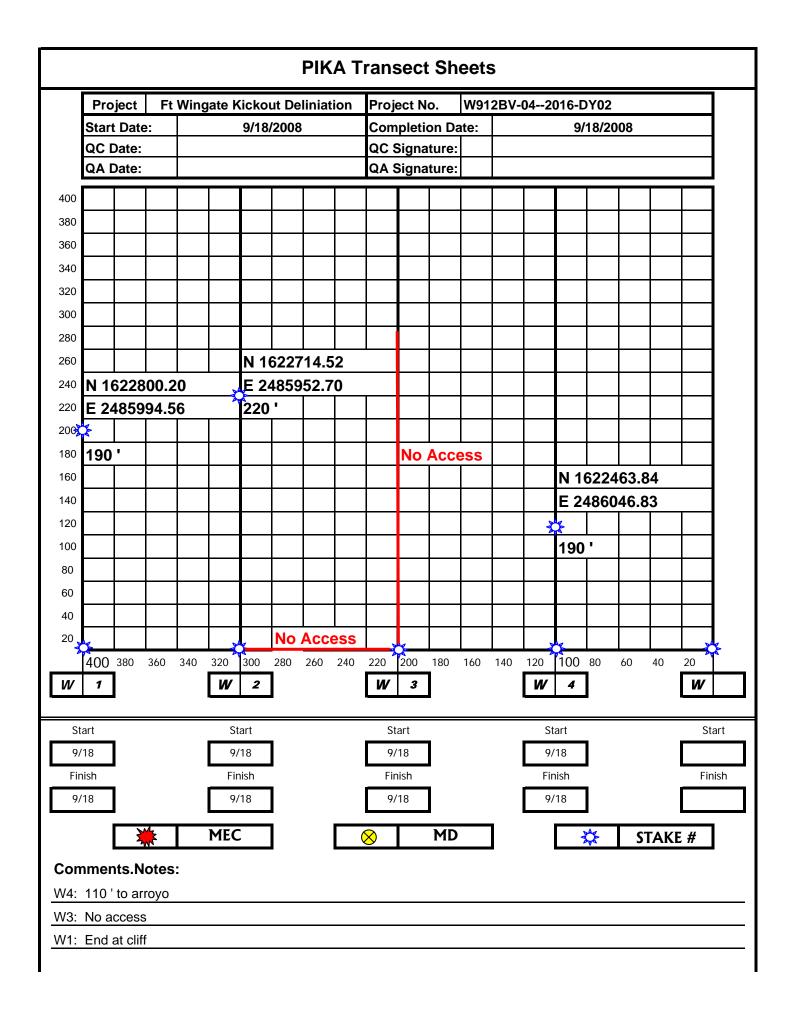


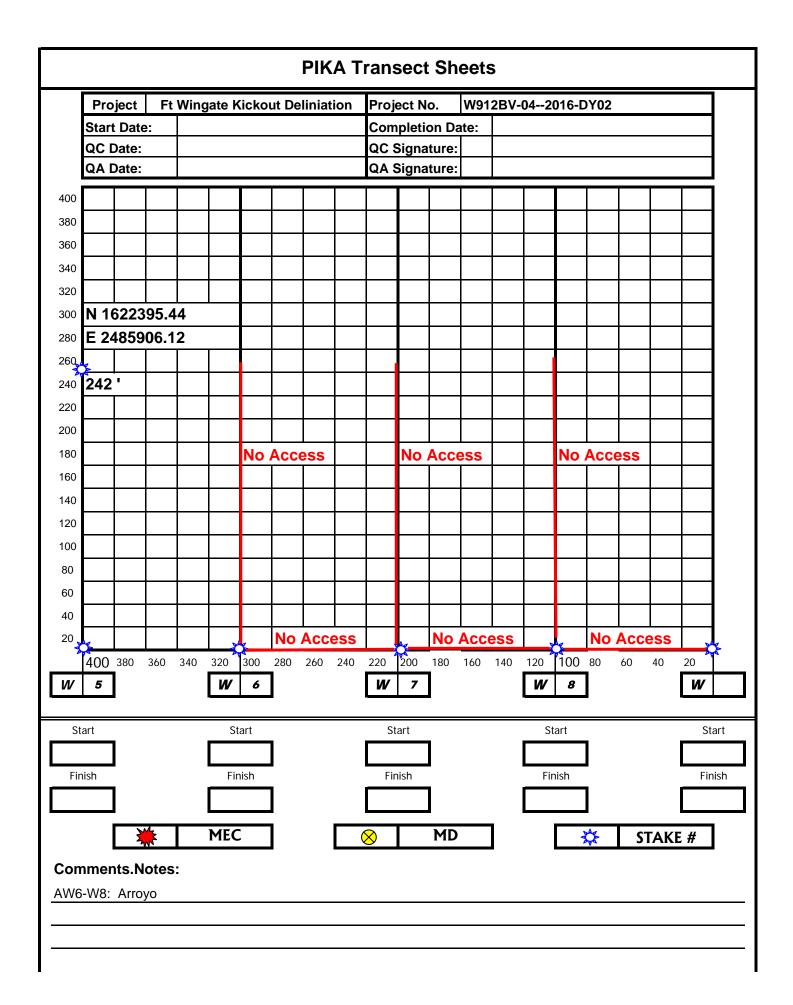


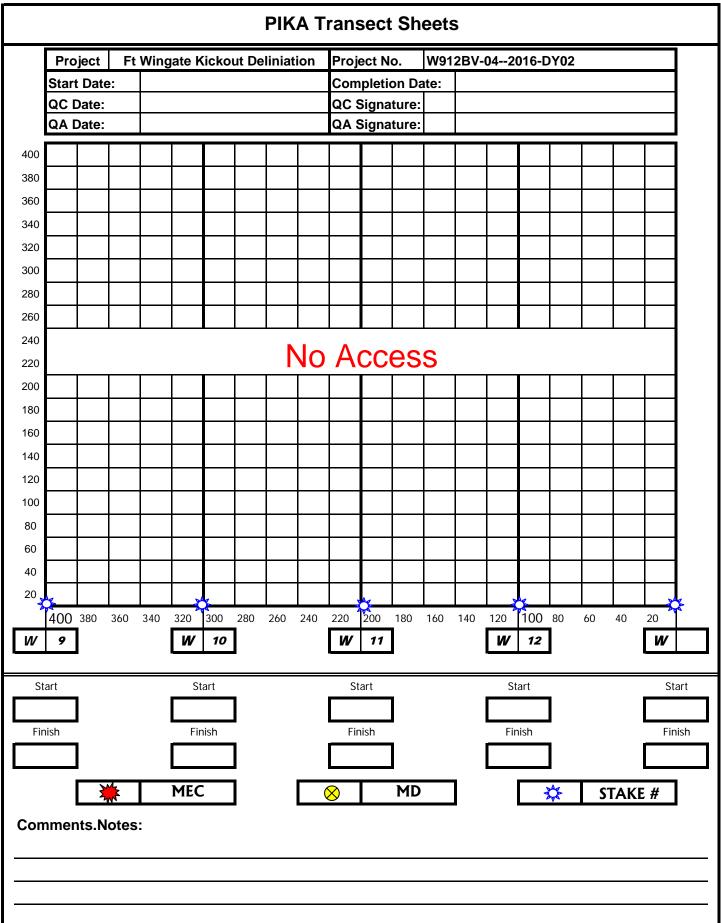


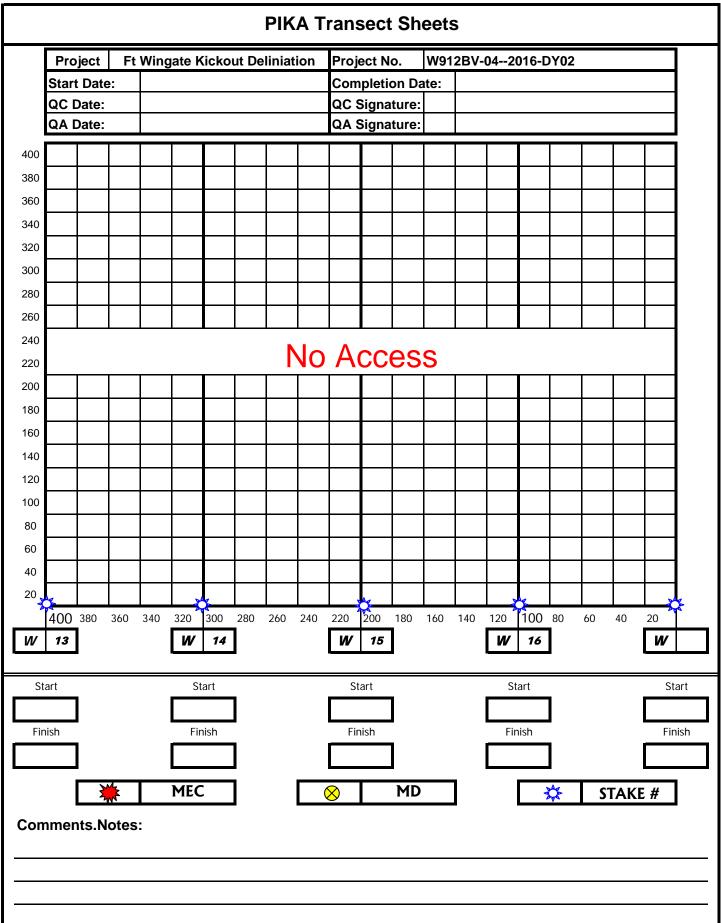


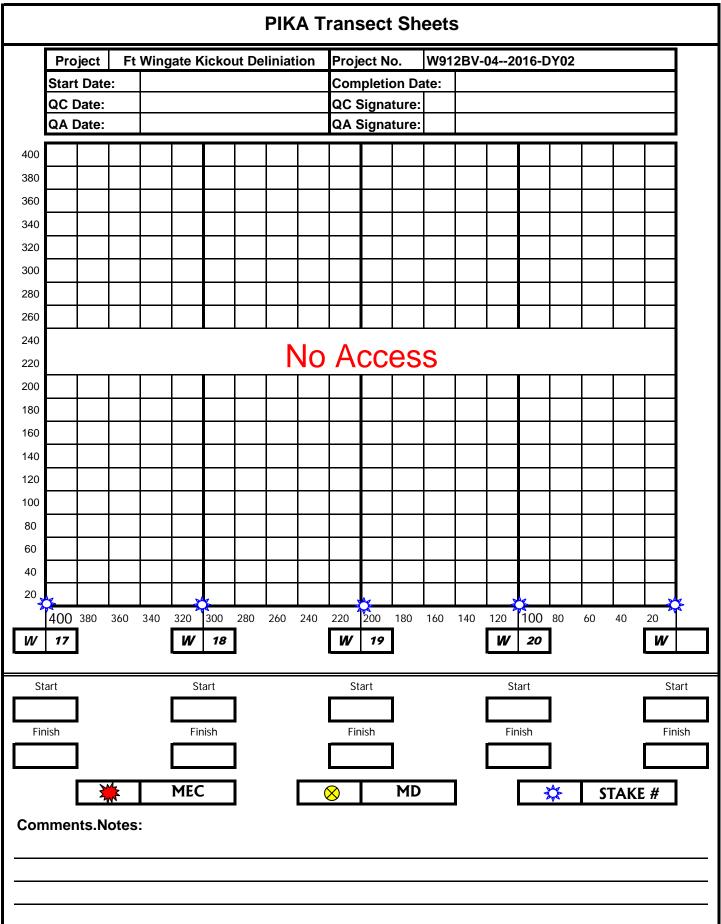


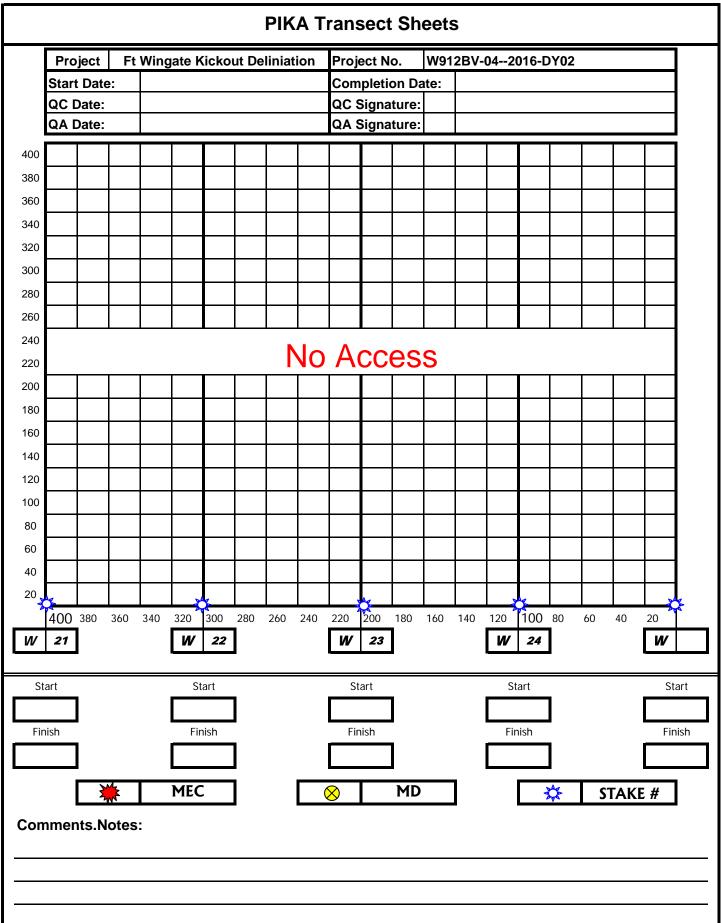


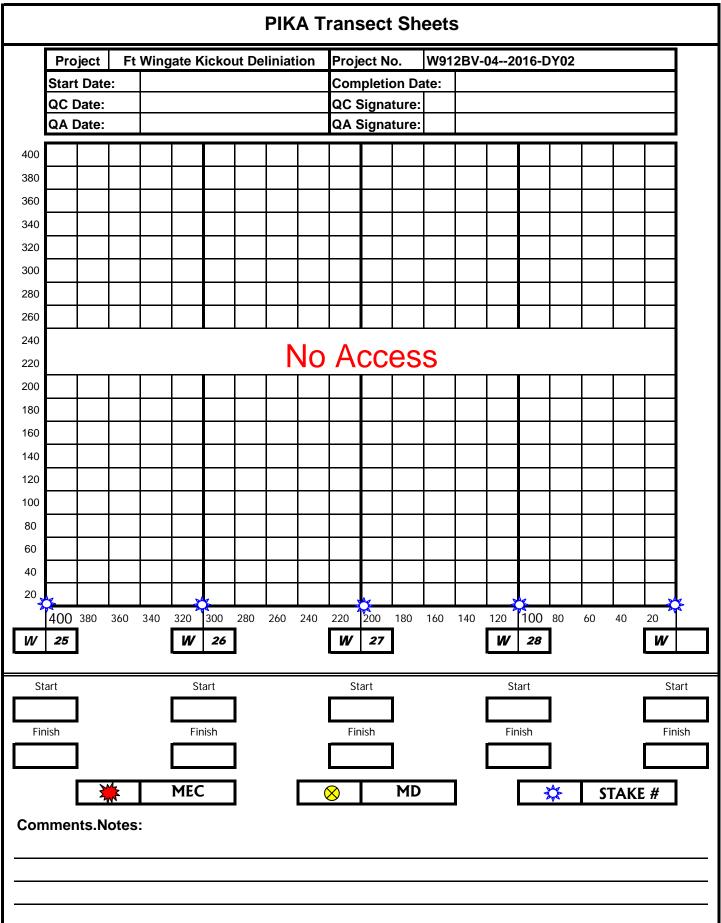


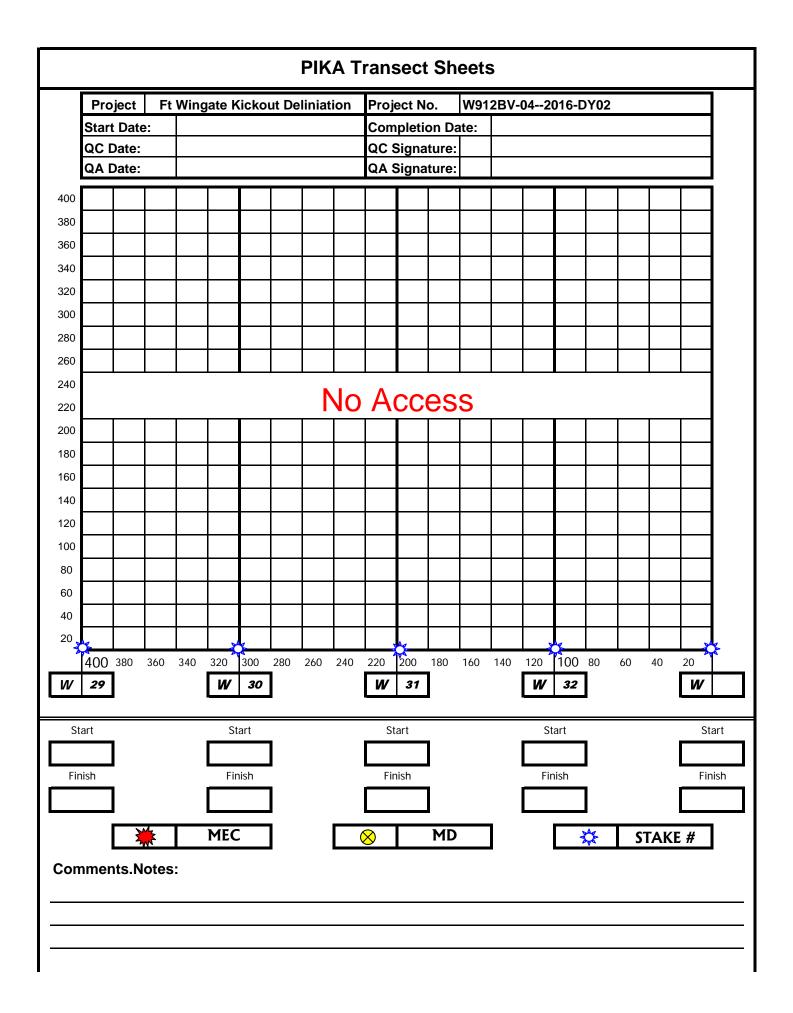


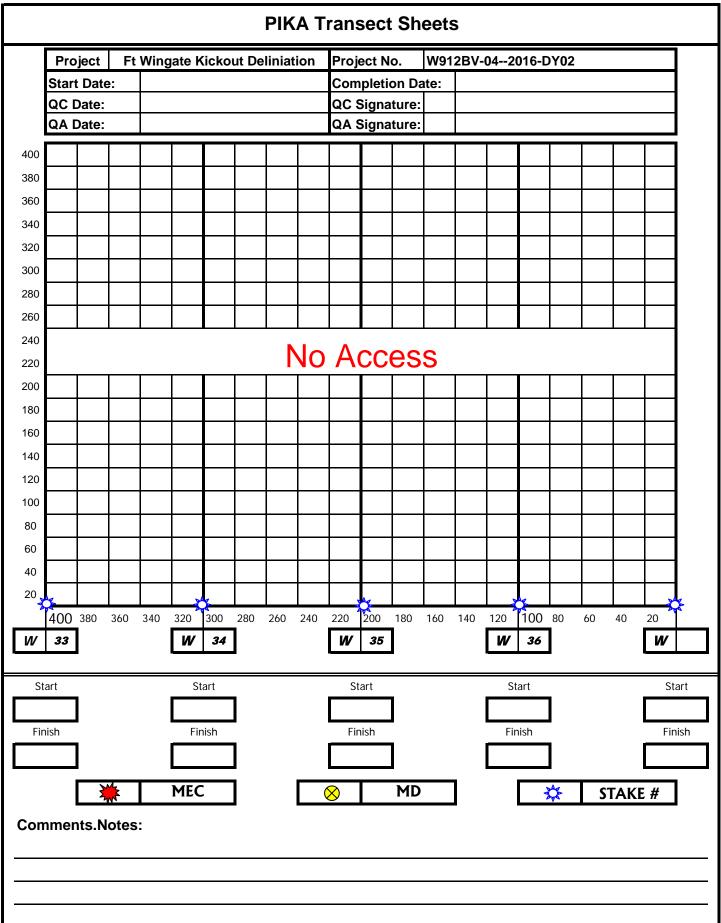


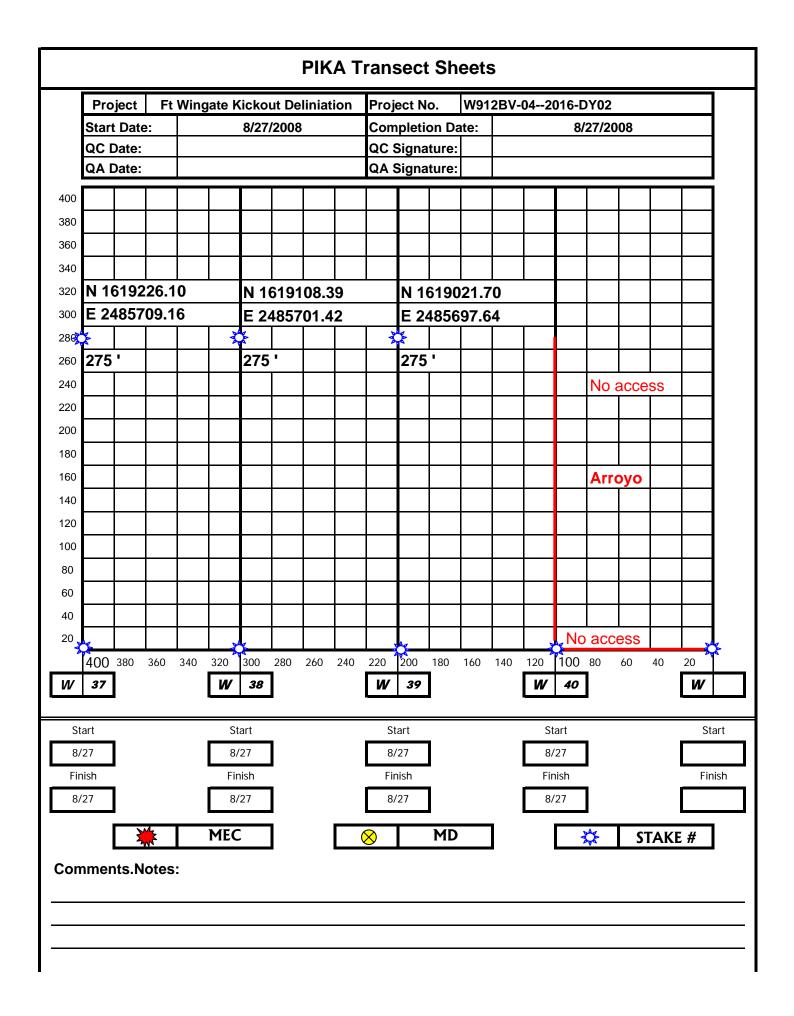


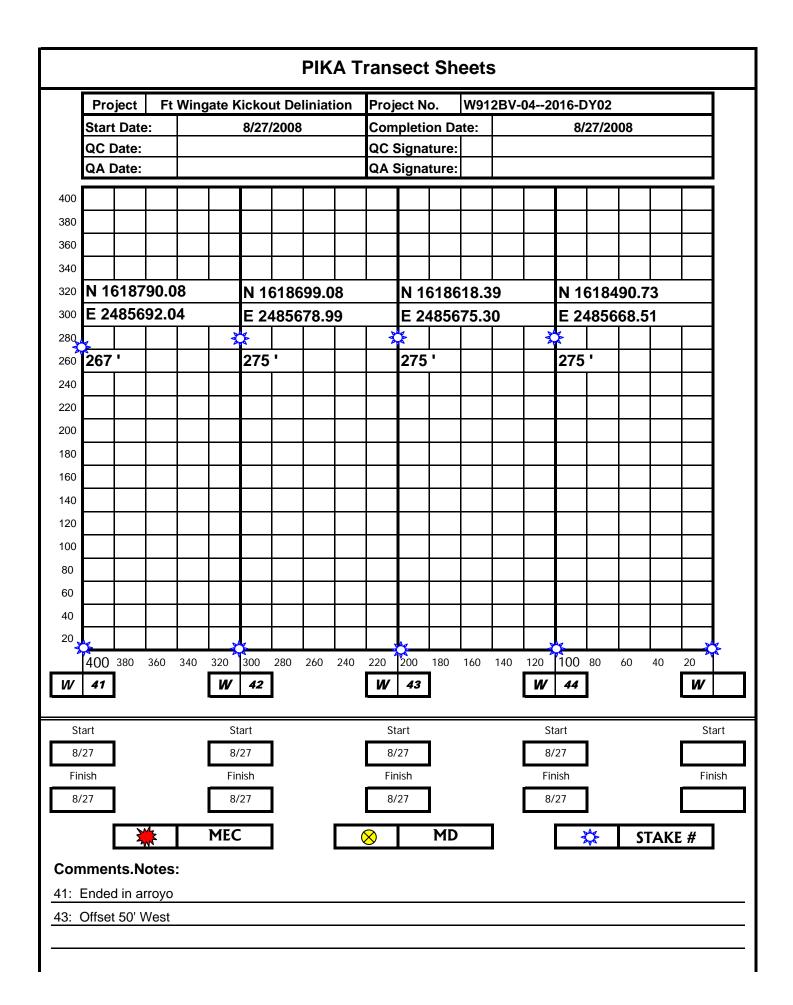


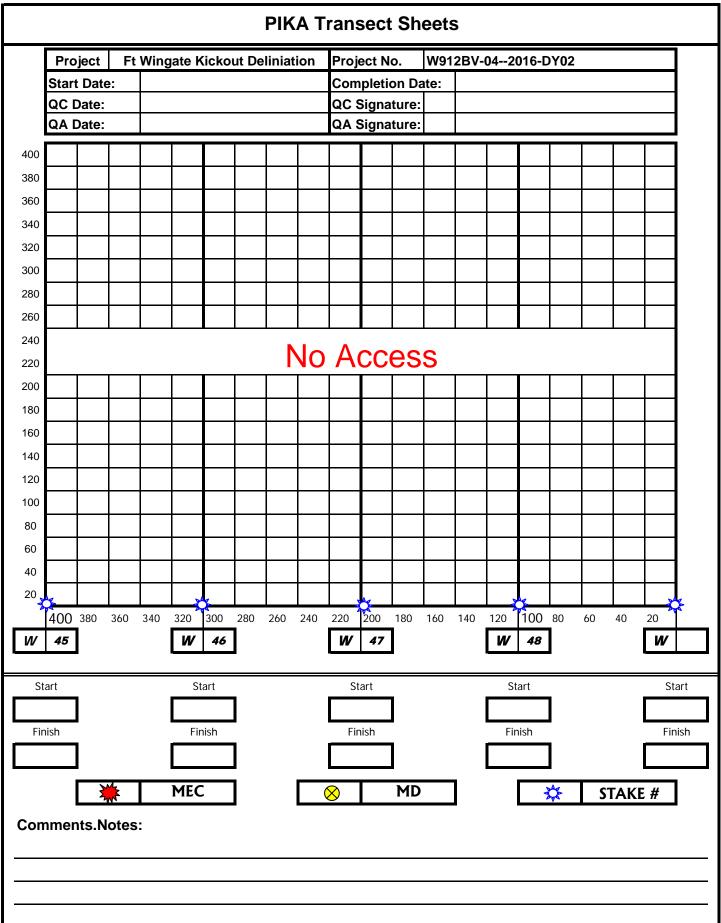


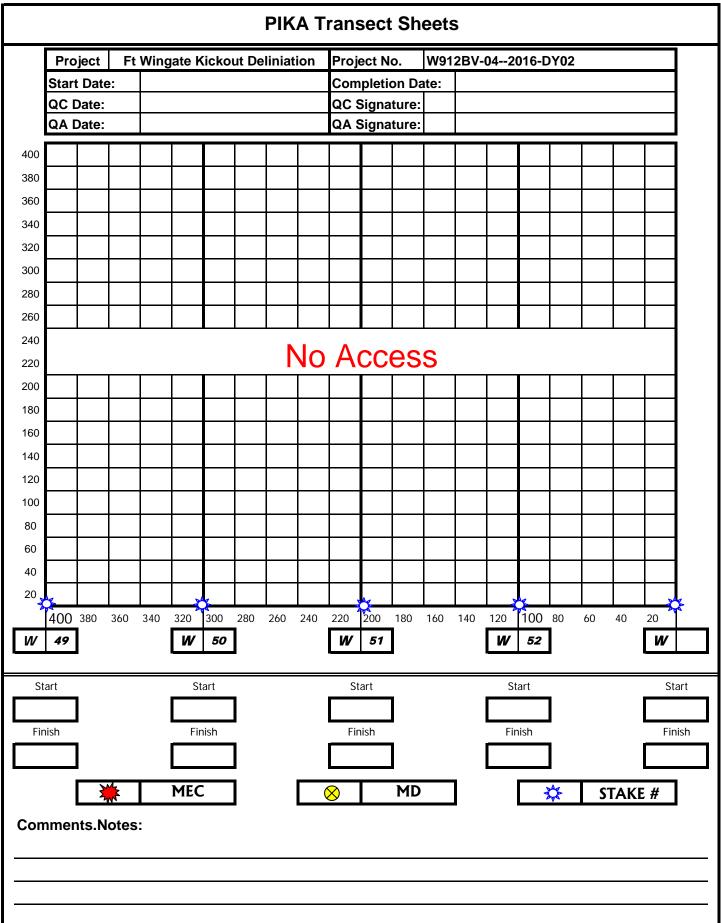


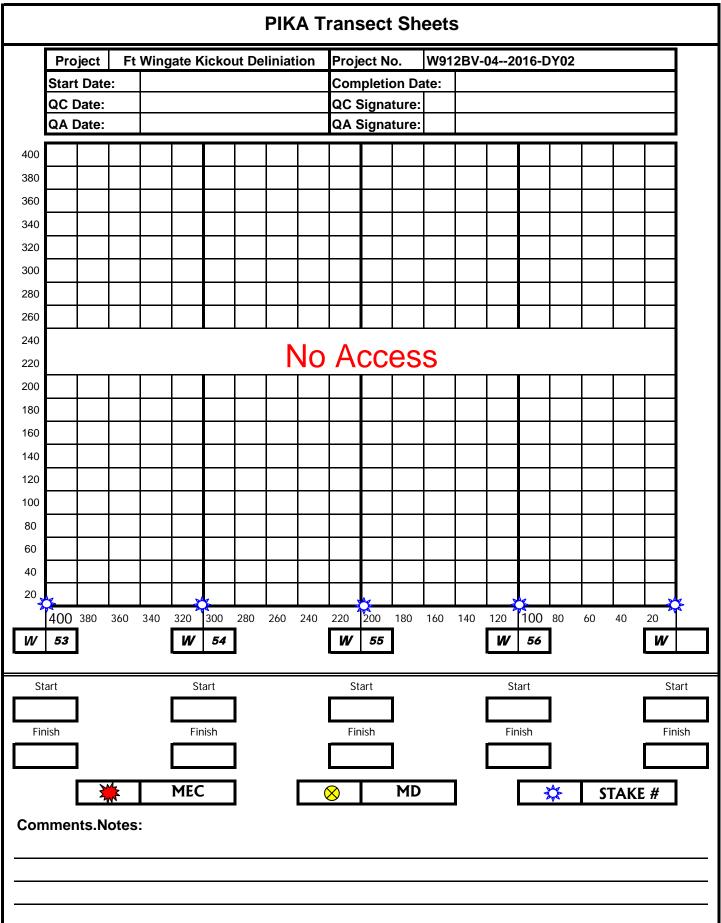


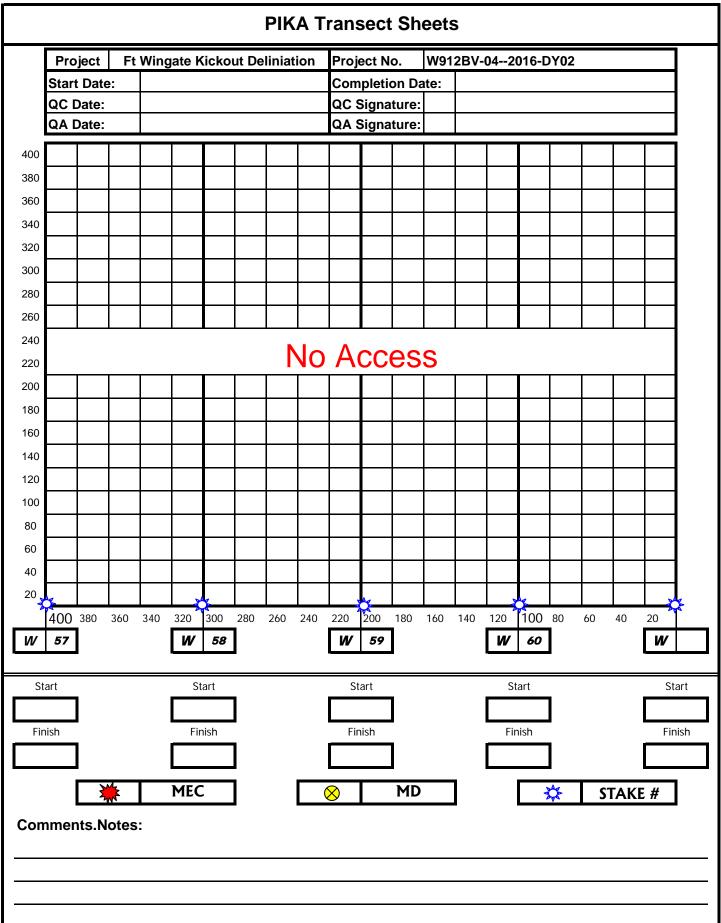


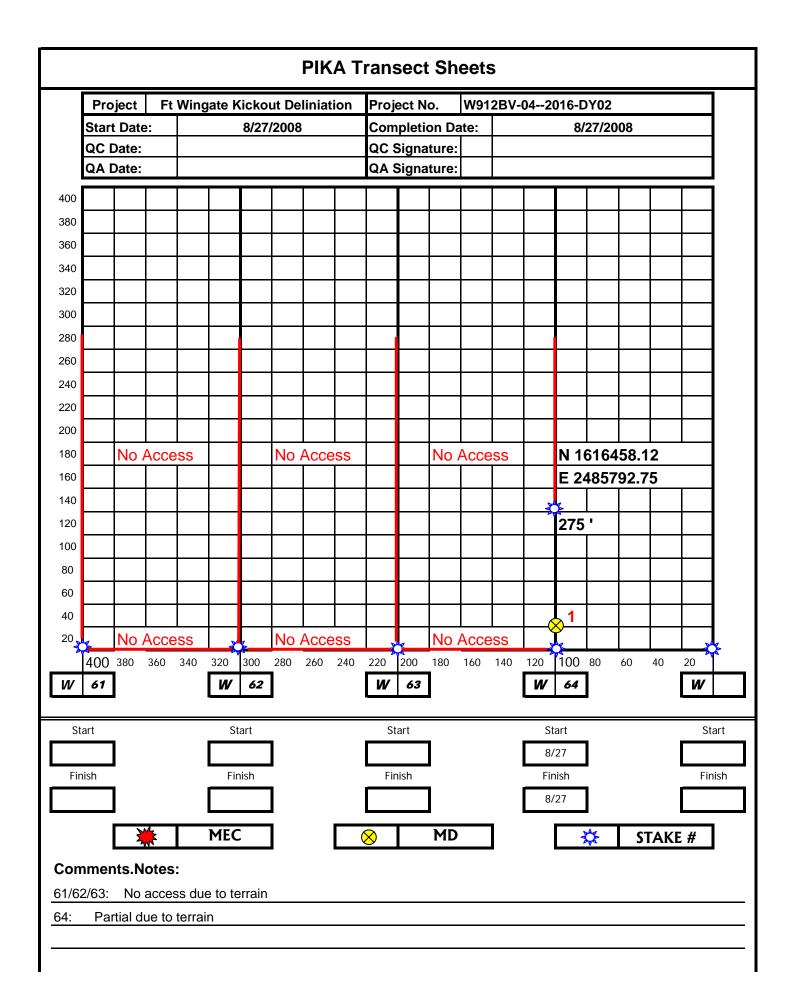




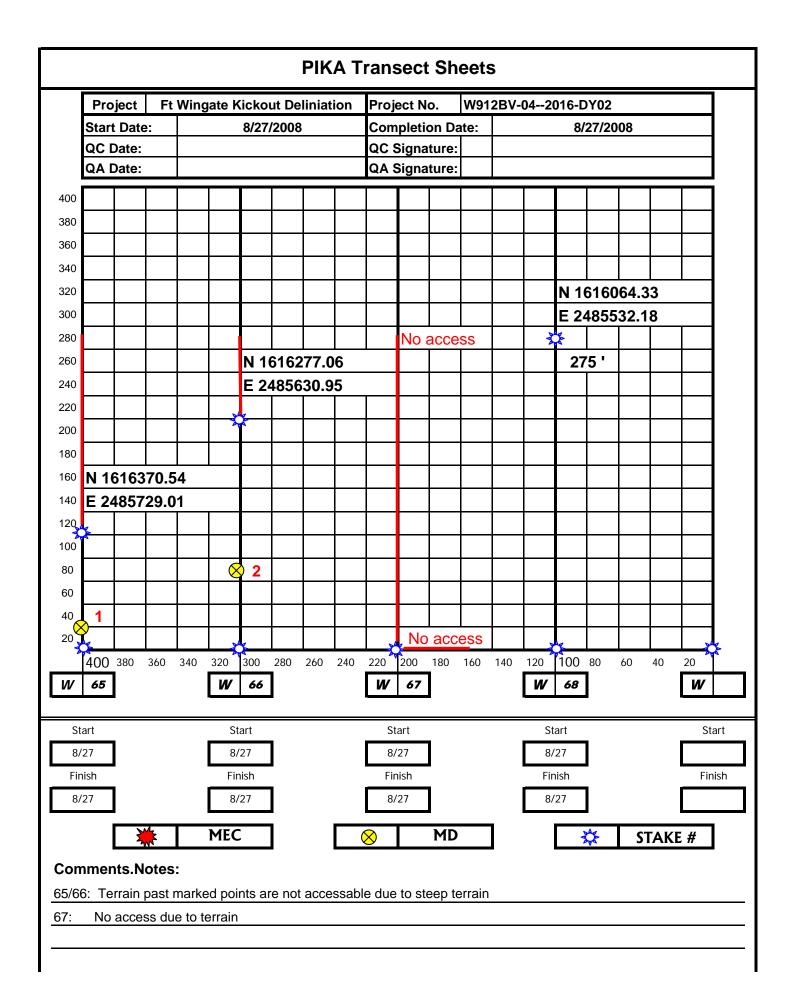




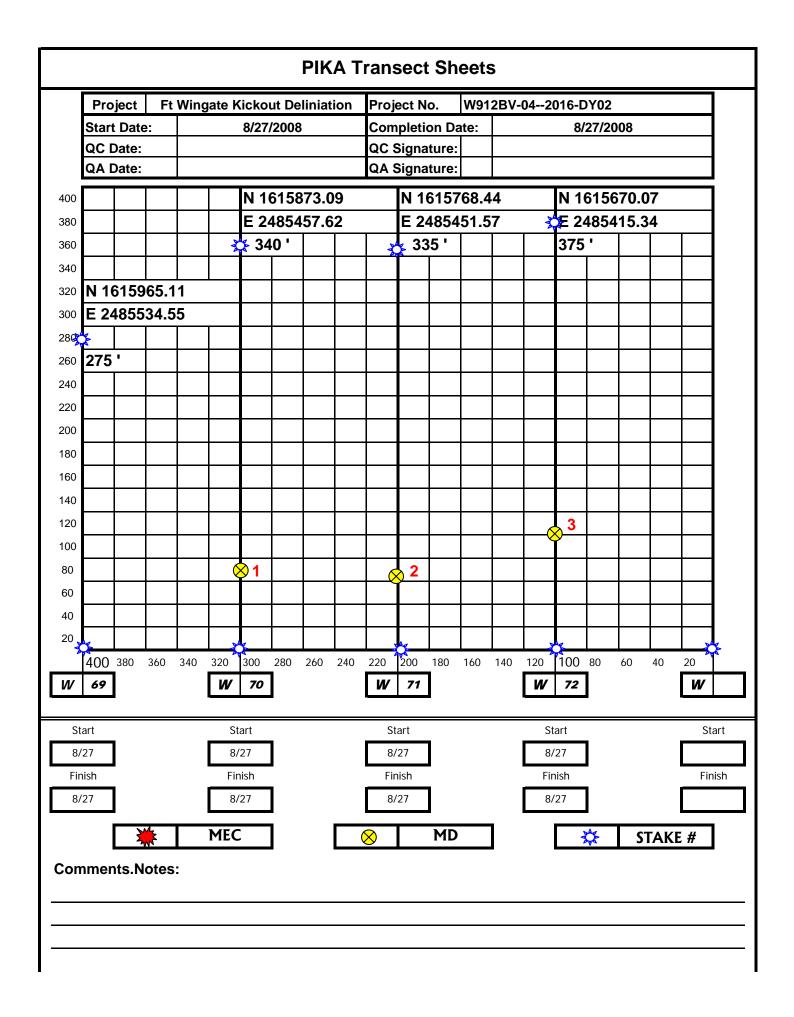




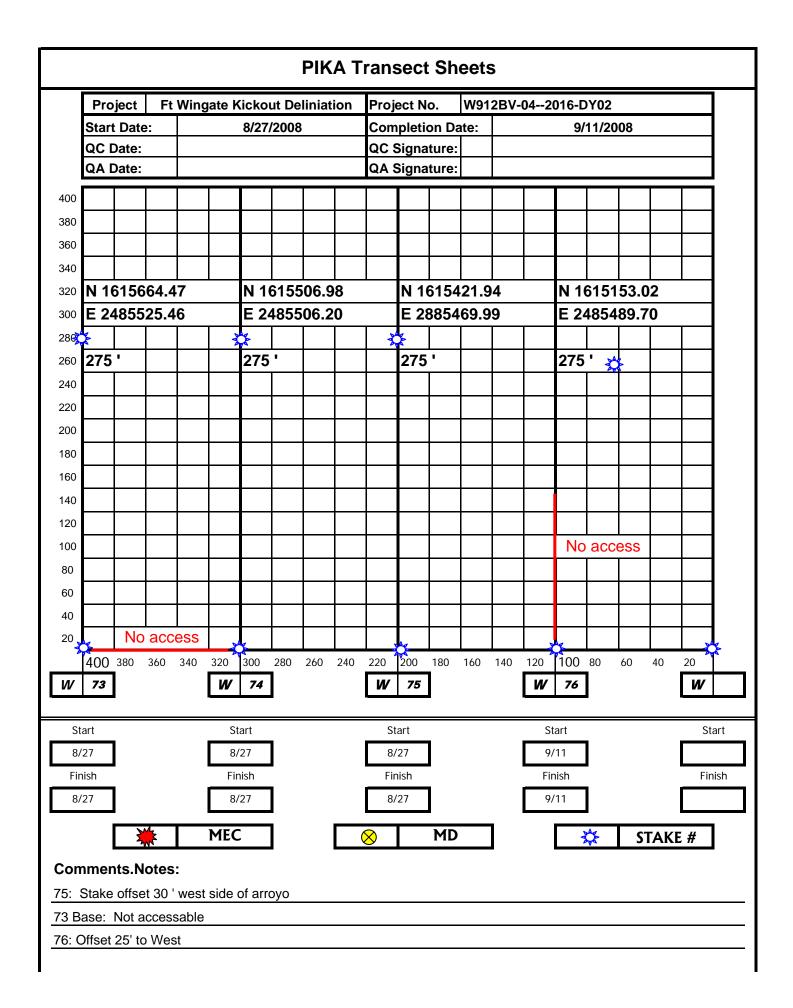
	Anomalies					
#	ID	Northing	Easting	Comments		
1	64 A	1616465.51	2485819.33	Empty projo		
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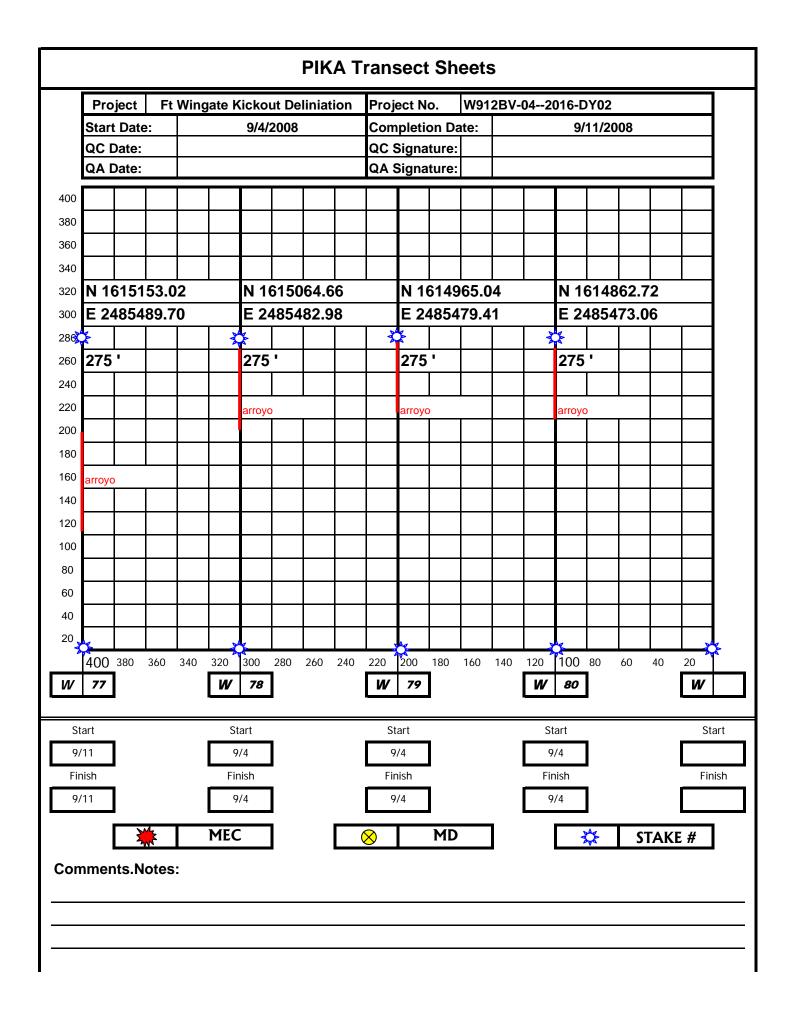


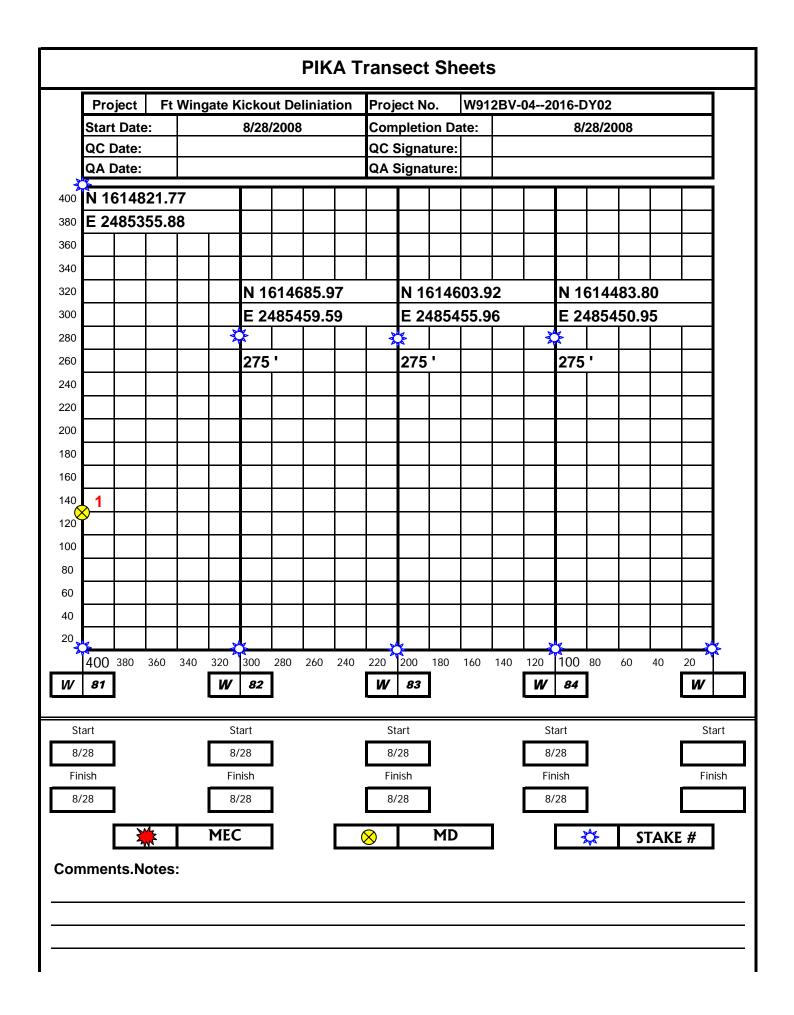
	Anomalies					
#	ID	Northing	Easting	Comments		
1	65 A	1616364.72	249500.22	MD frag		
2	66 A	1616279	2485738.5	MD frag		
3						
4						
5						
6						
7						
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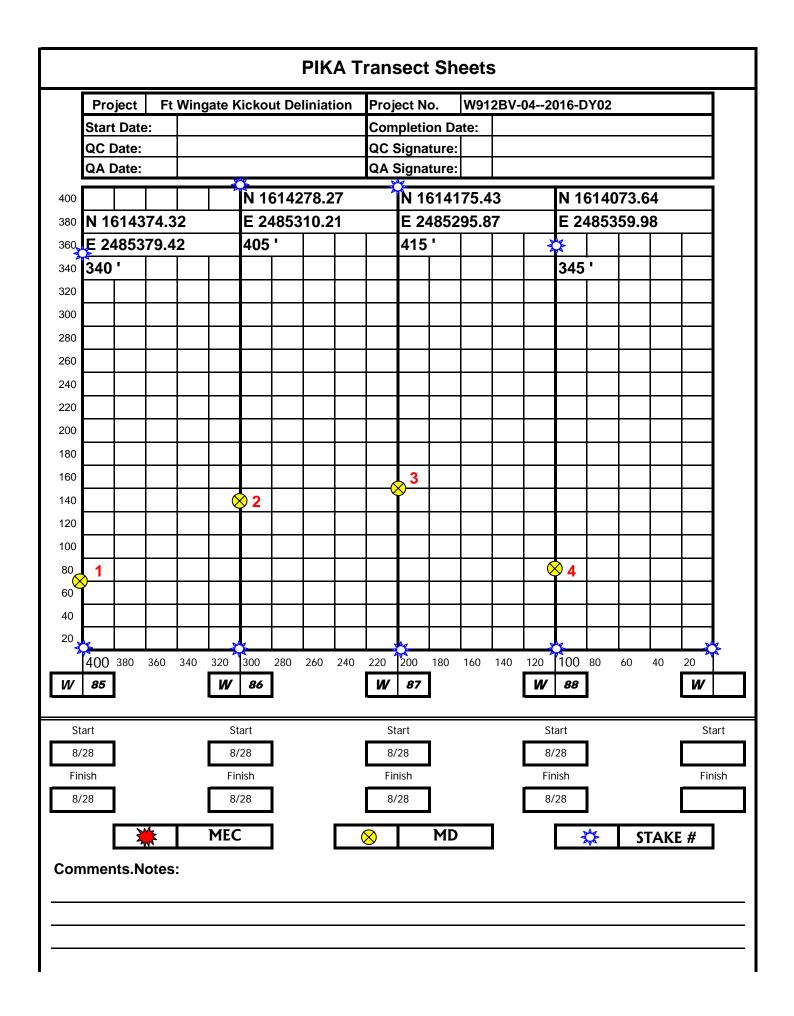
	Anomalies					
#	ID	Northing	Easting	Comments		
1	70 A	1615874.03	2485737.1	MD frag		
2	71 A	1615768.44	2485451.57	MD frag		
3	72 A	1615679.26	2485692.99	MD frag		
4						
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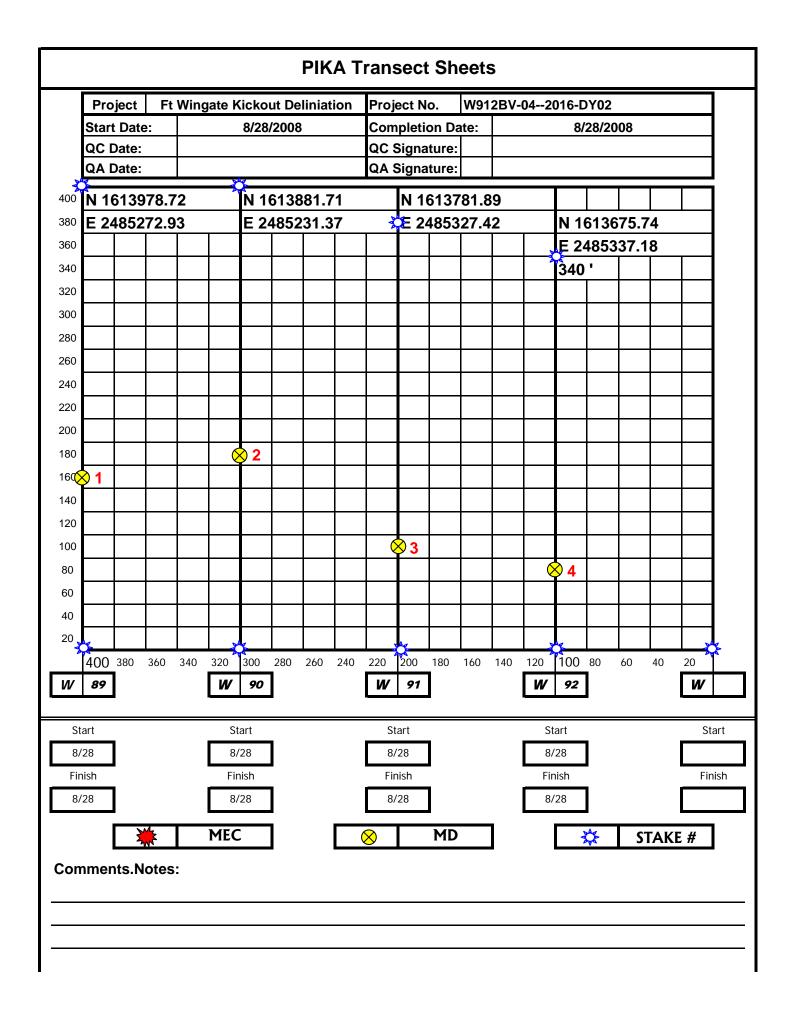




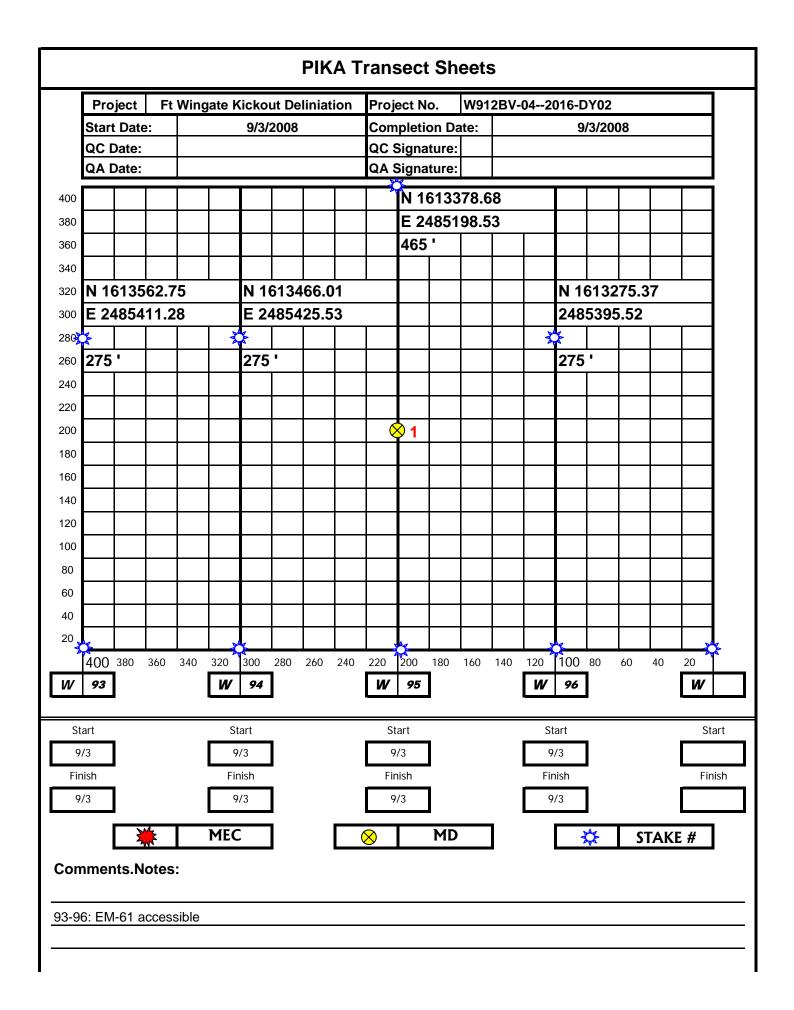
	Anomalies					
#	ID	Northing	Easting	Comments		
1	W 81.1	1614800.9	2485604.8	MD frag		
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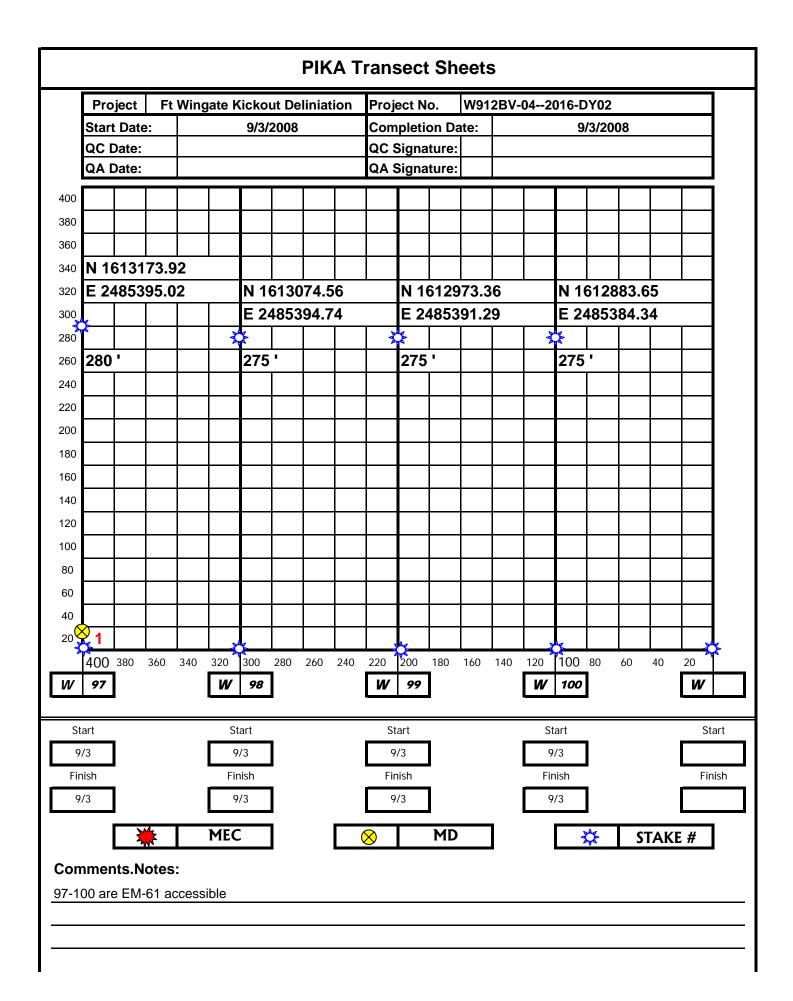
	Anomalies					
#	ID	Northing	Easting	Comments		
1	85 A	1614374.08	2485657.68	MD frag		
2	86 A	1614275.12	2485587.97	MD frag		
3	87 A	1614160.96	2485578.71	MD frag		
4	88 A	1614027.81	2485635.25	MD frag		
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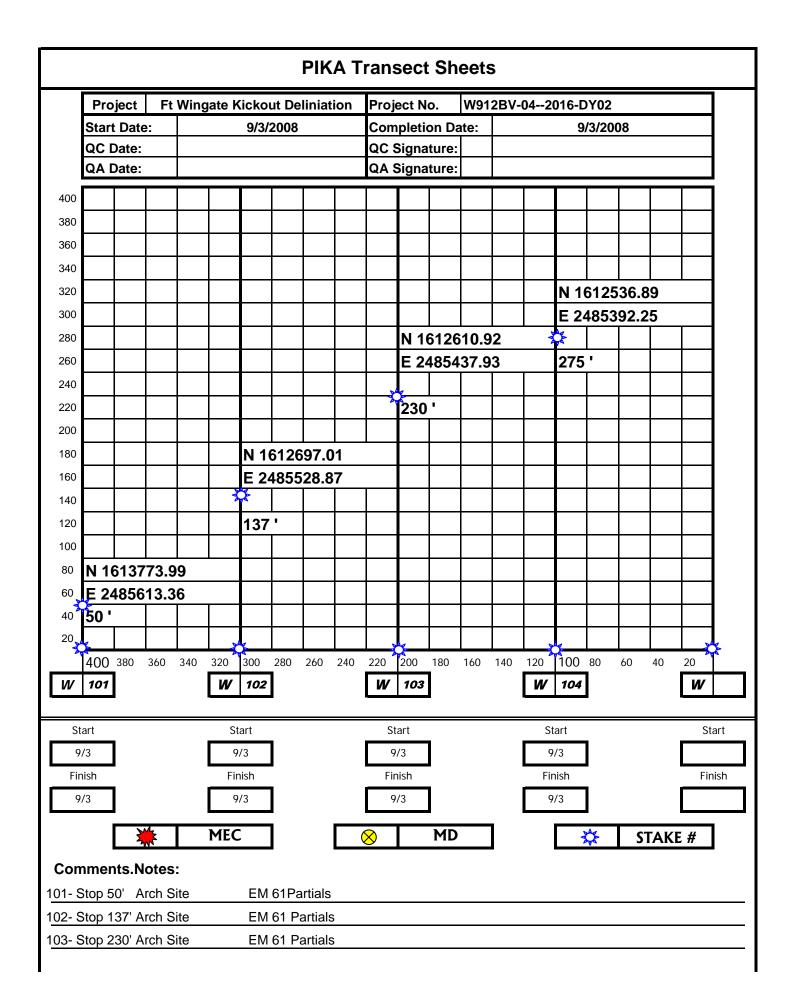
	Anomalies					
#	ID	Northing	Easting	Comments		
1	89 A	1613973.89	2485557.21	MD frag		
2	90 A	1613871.41	2485523.7	MD frag		
3	91 A	1613775.82	2485595.9	MD frag		
4	92 A	1613674.59	2485616.78	MD frag		
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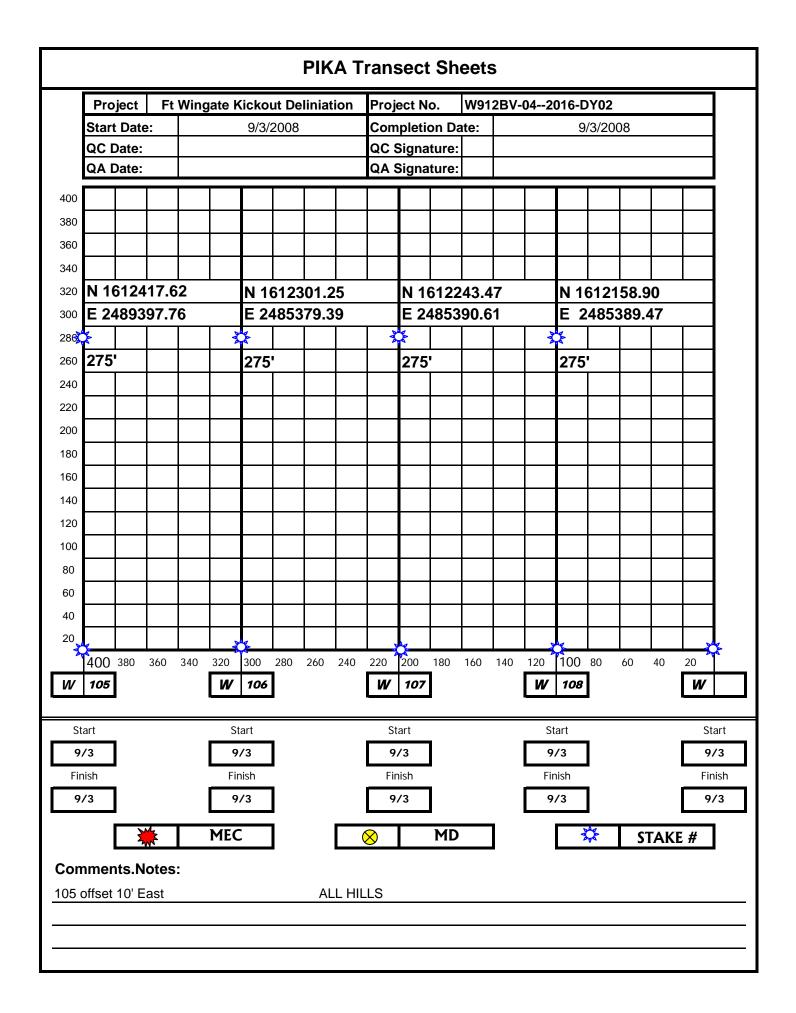


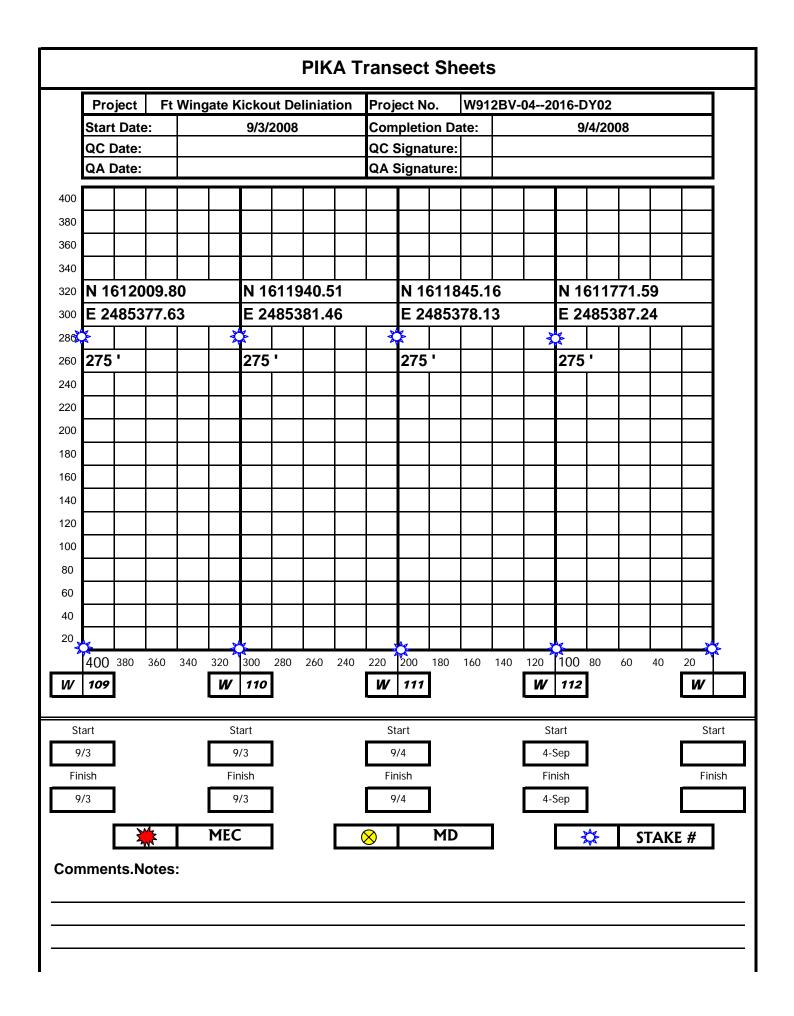
	Anomalies					
#	ID	Northing	Easting	Comments		
1	95 A	1613373.41	2485488.26	MD frag		
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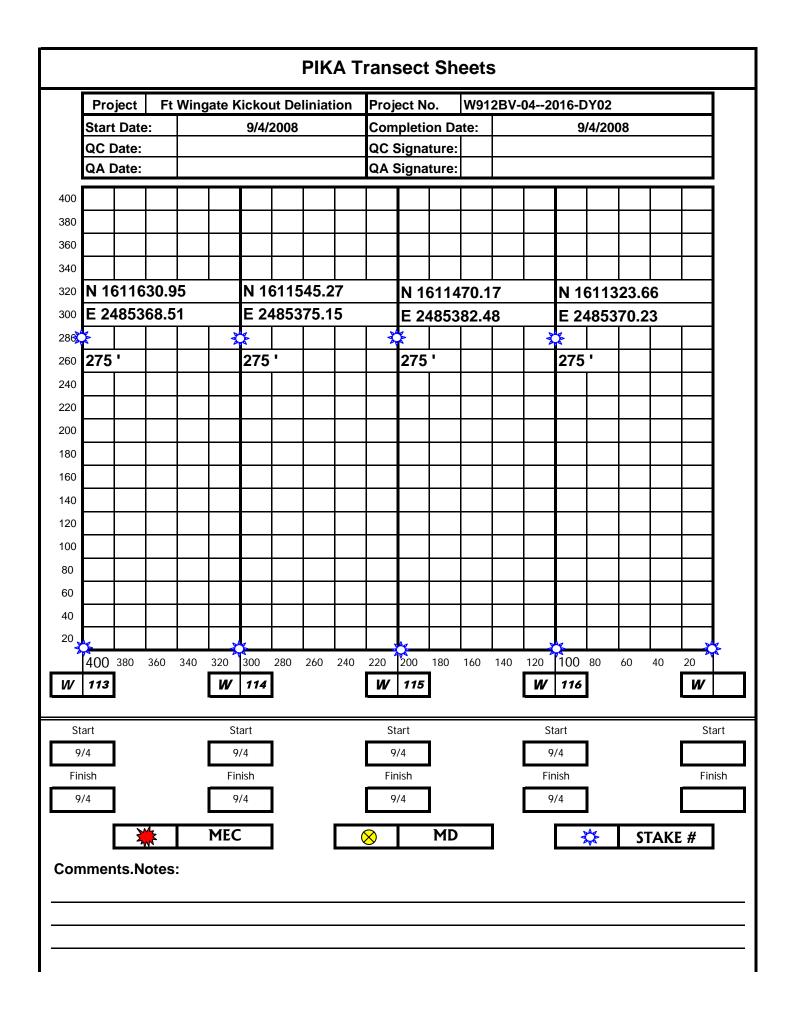


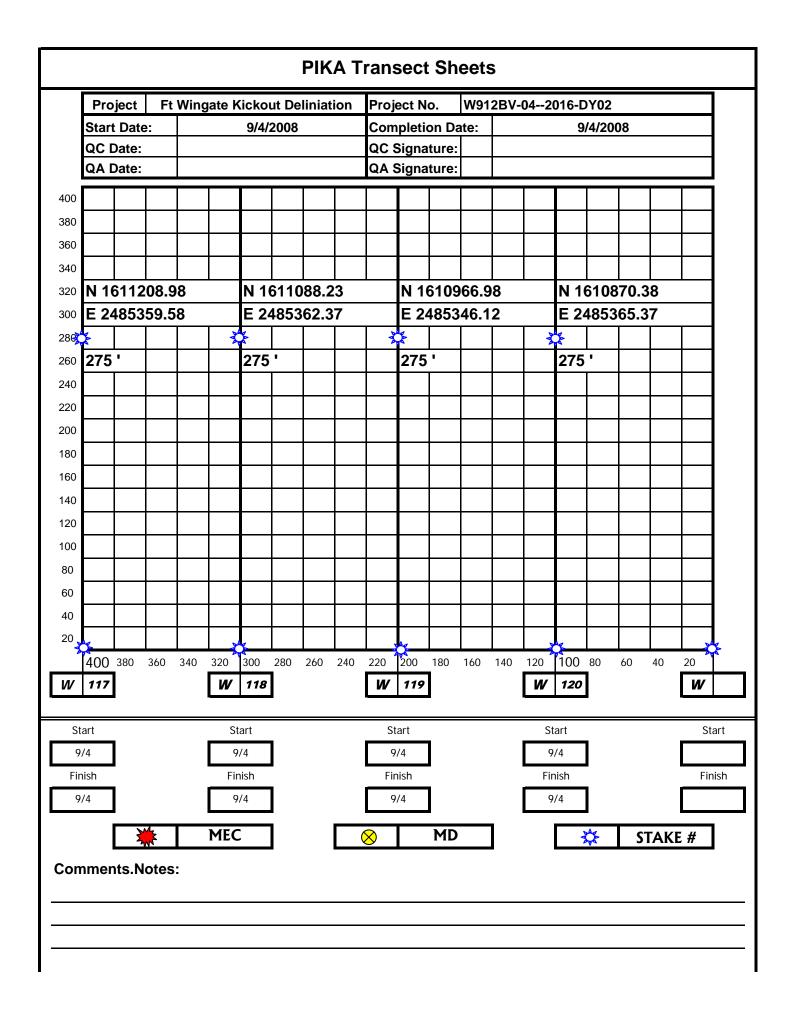
	Anomalies					
#	ID	Northing	Easting	Comments		
1	97 A	1613168.35	2485654.42	MD frag		
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7						
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9						
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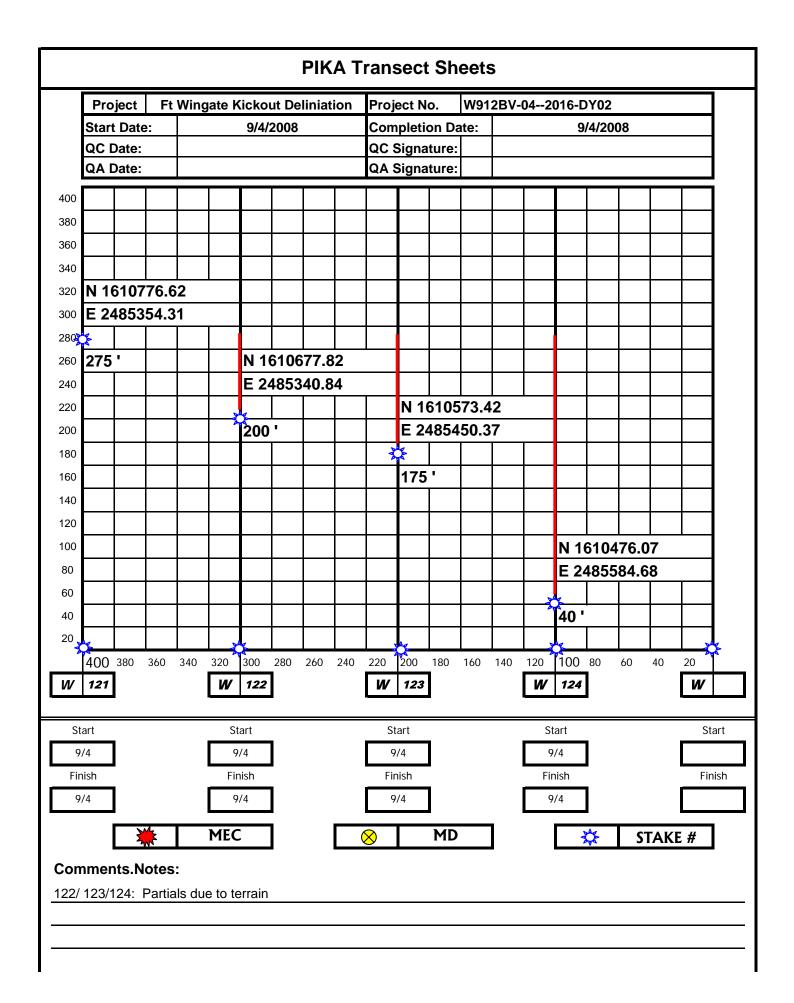


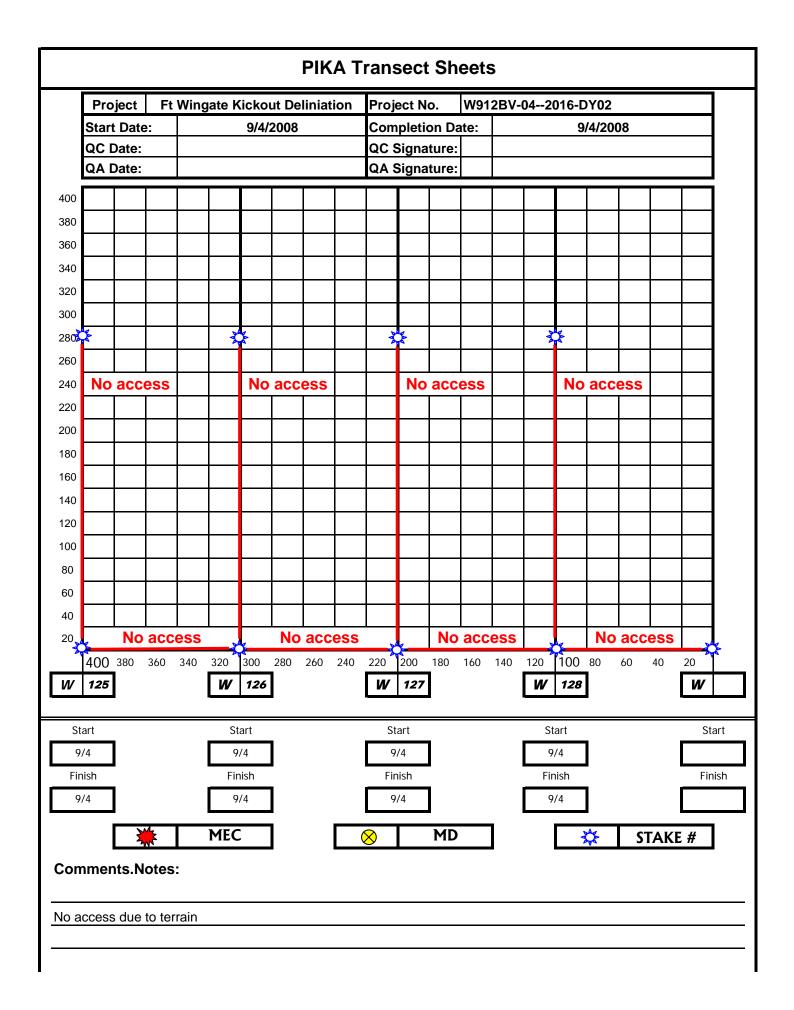


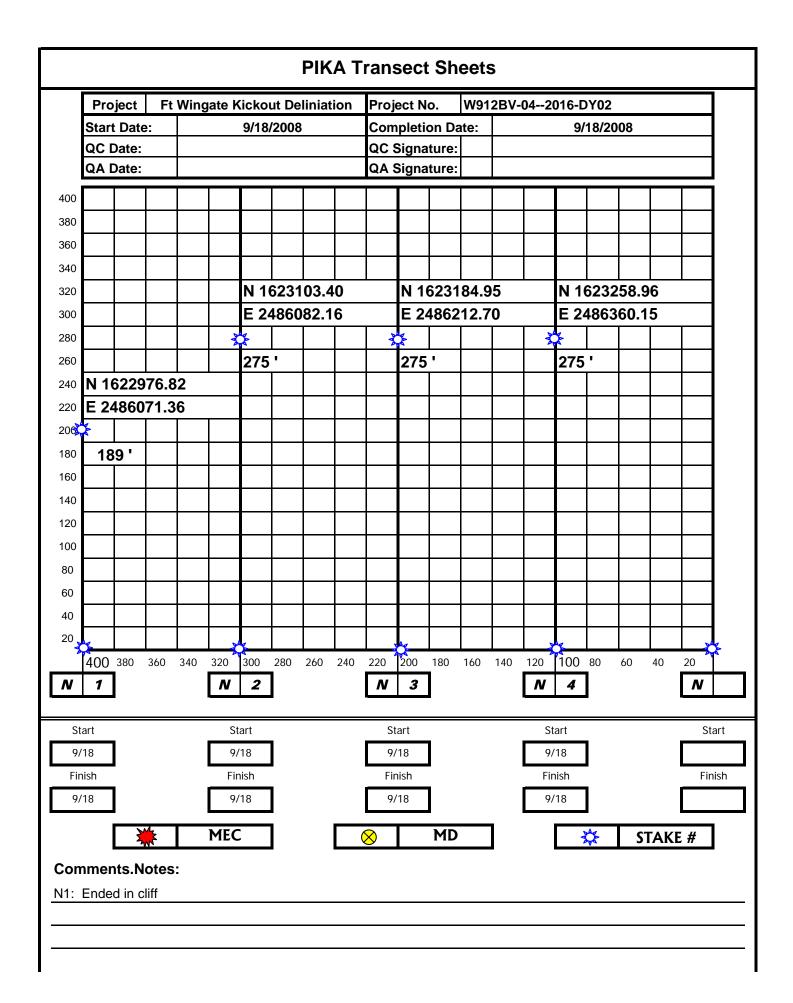


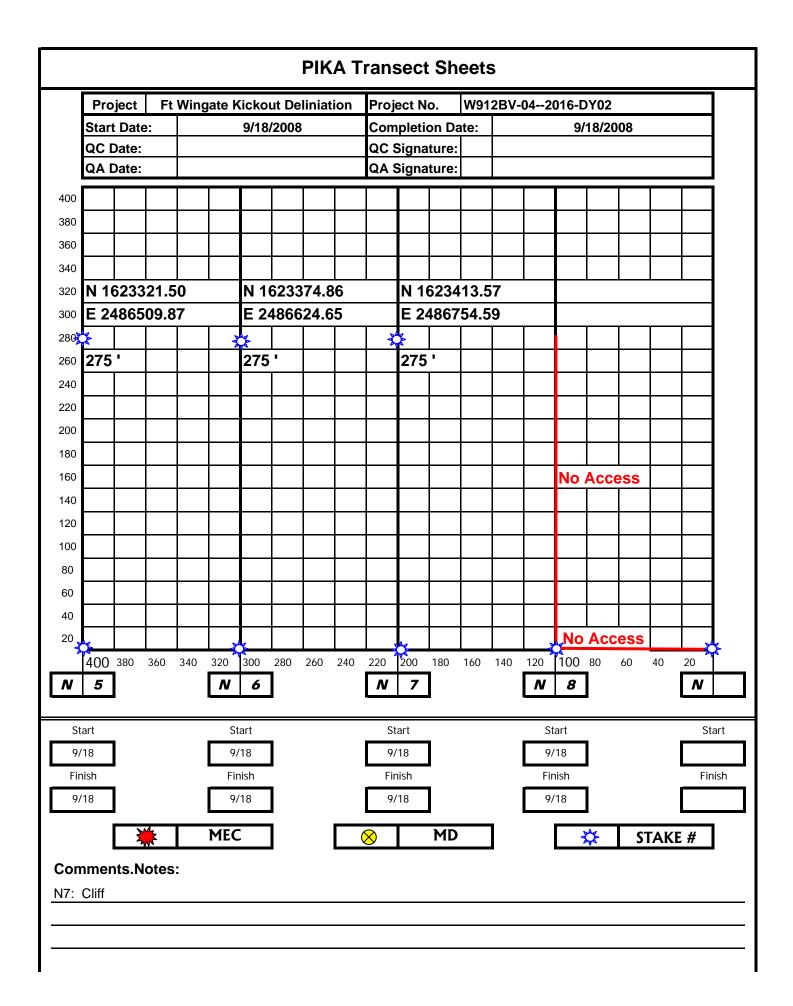


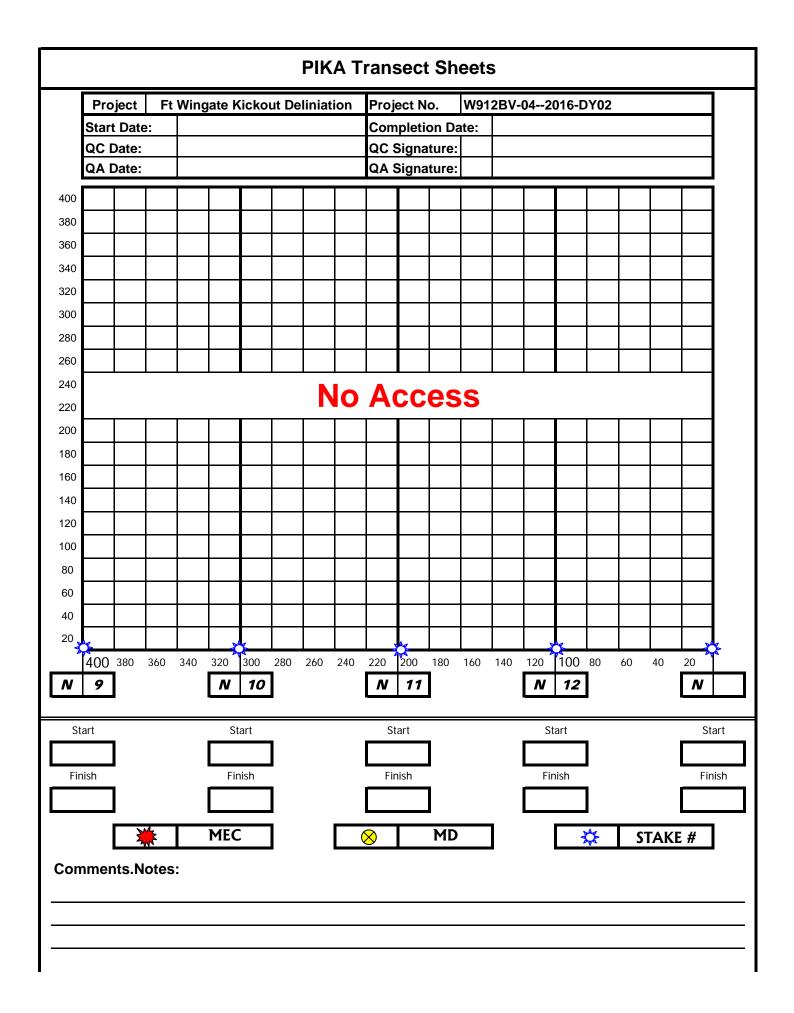


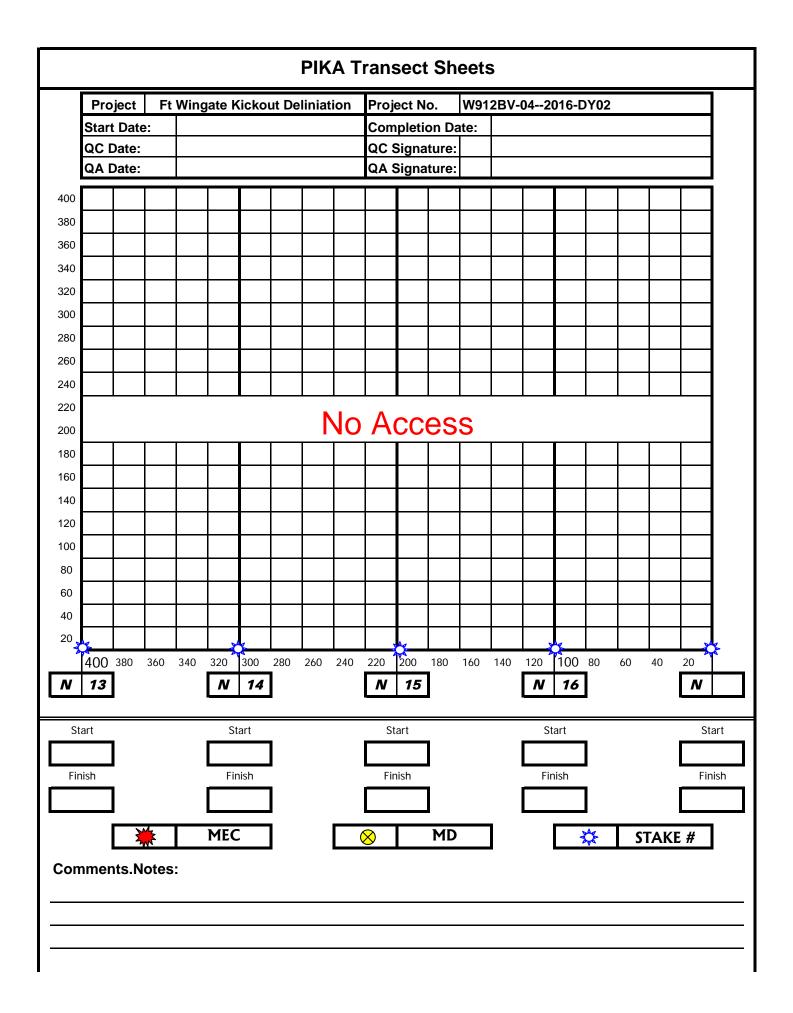


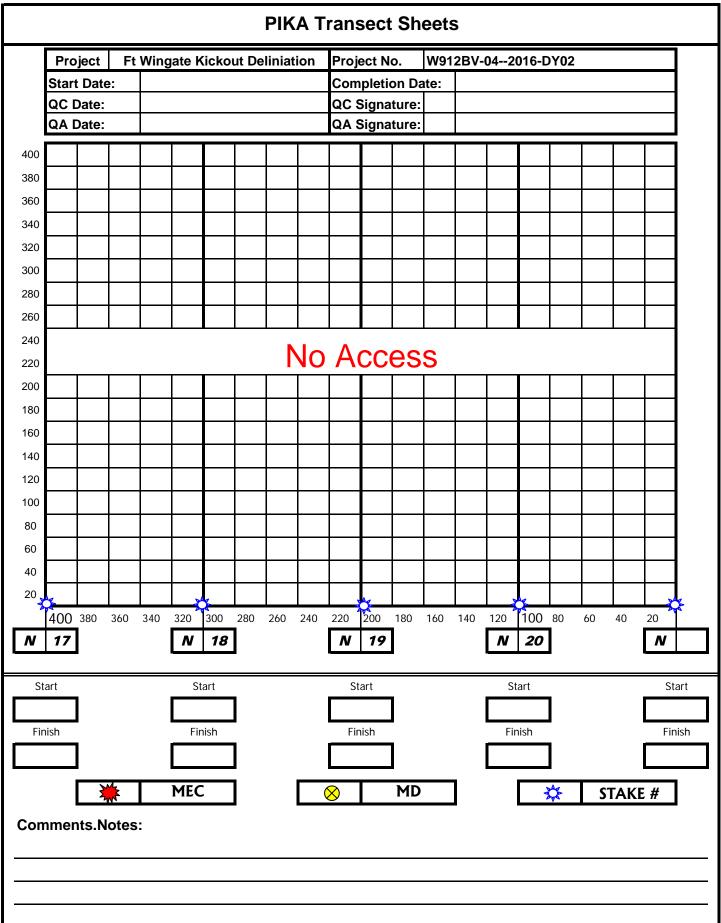


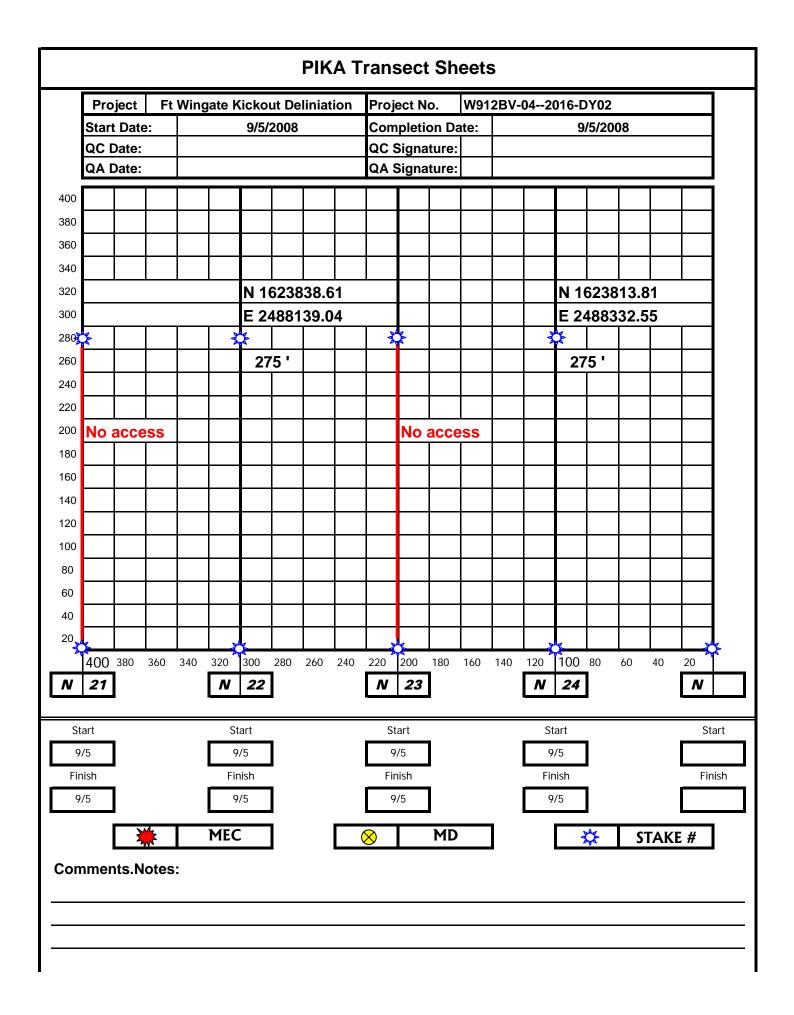


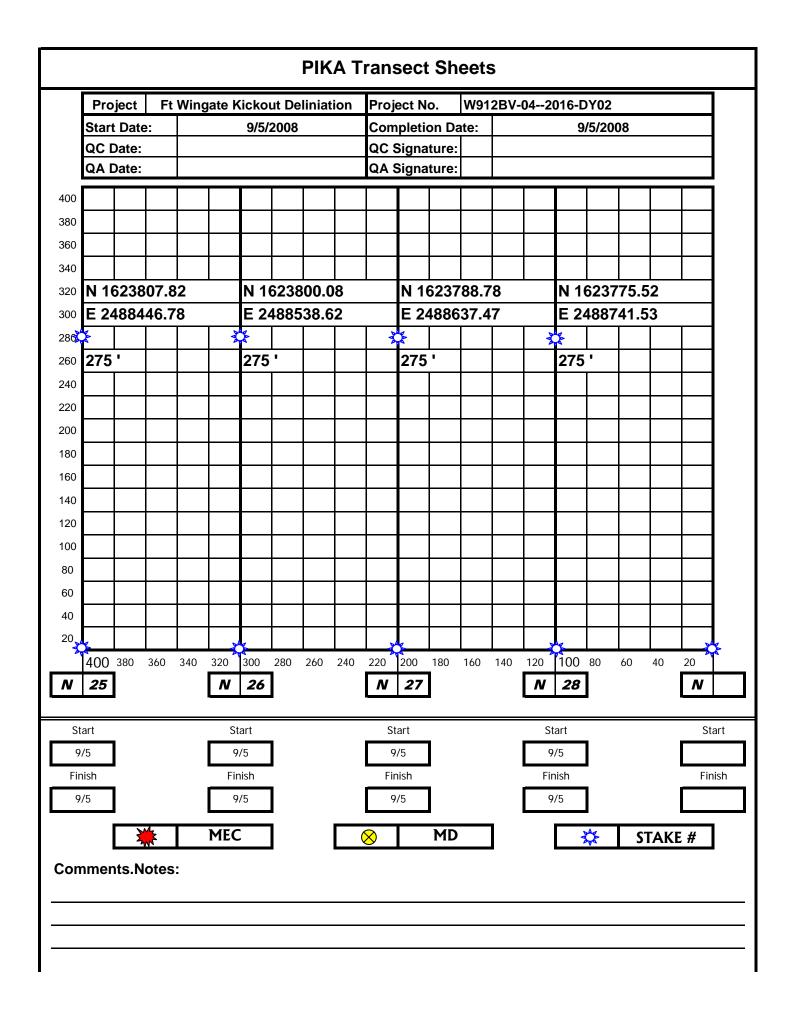


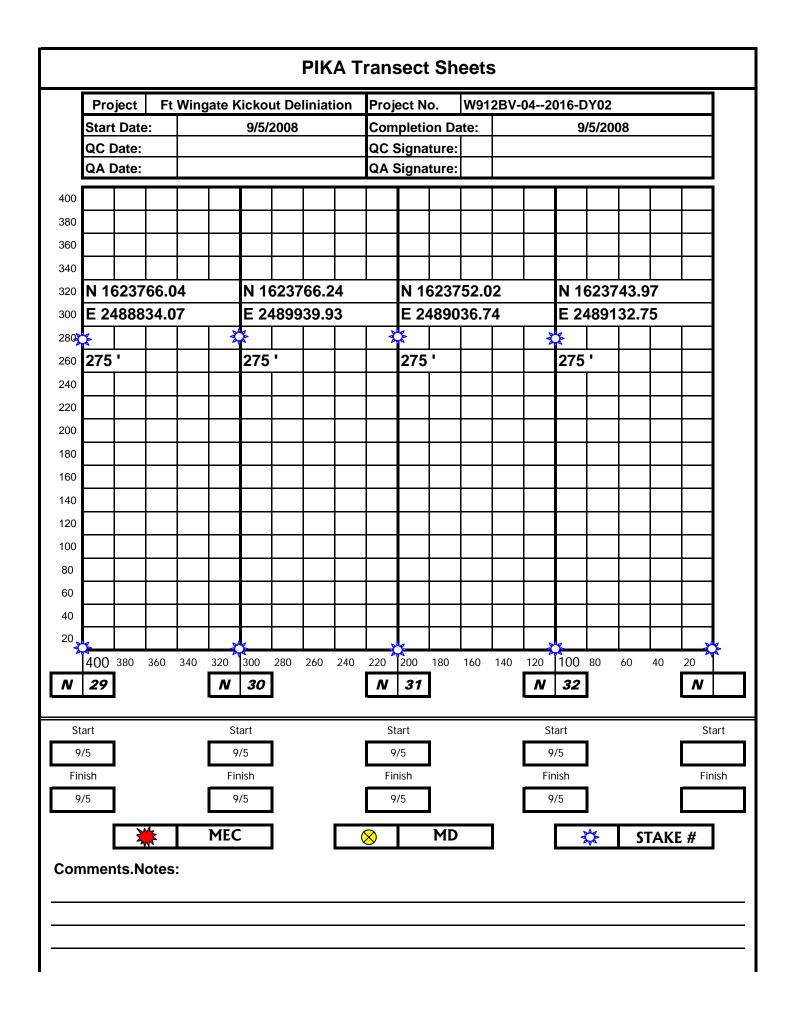


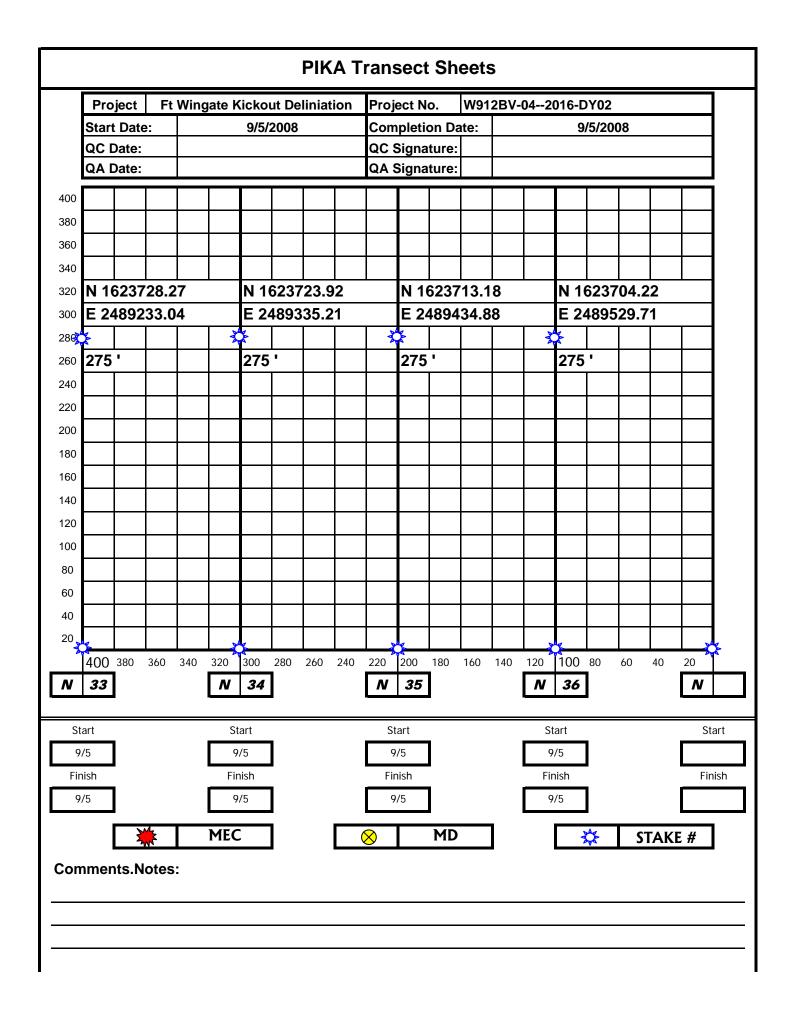


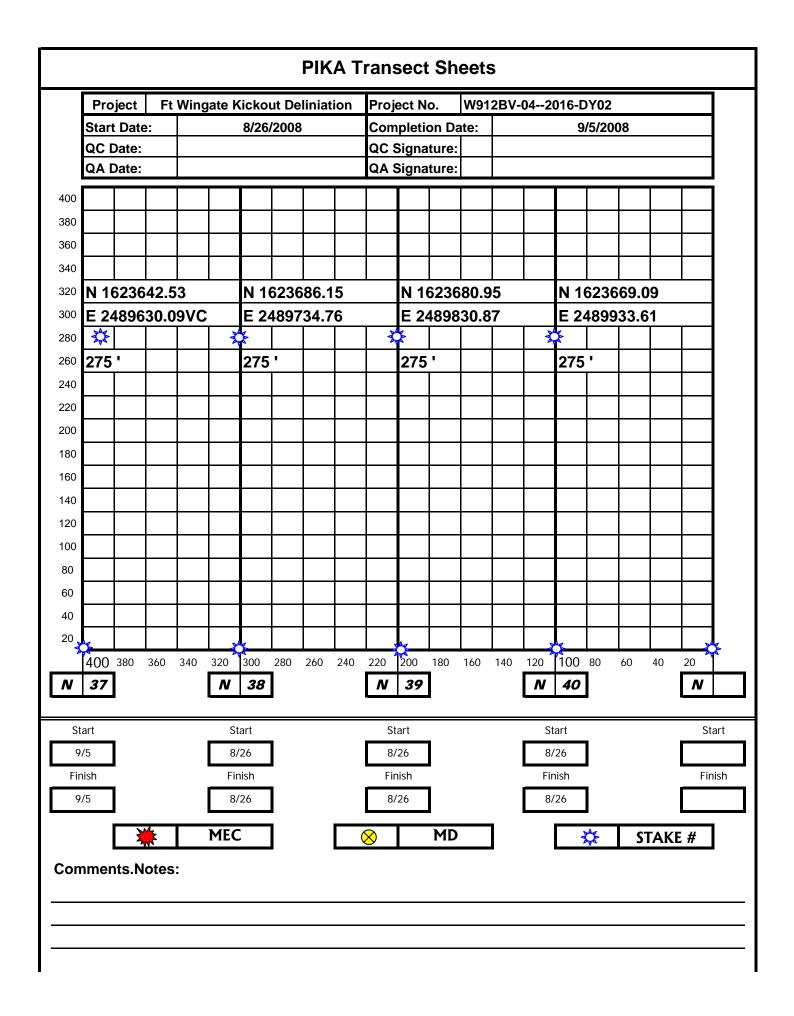


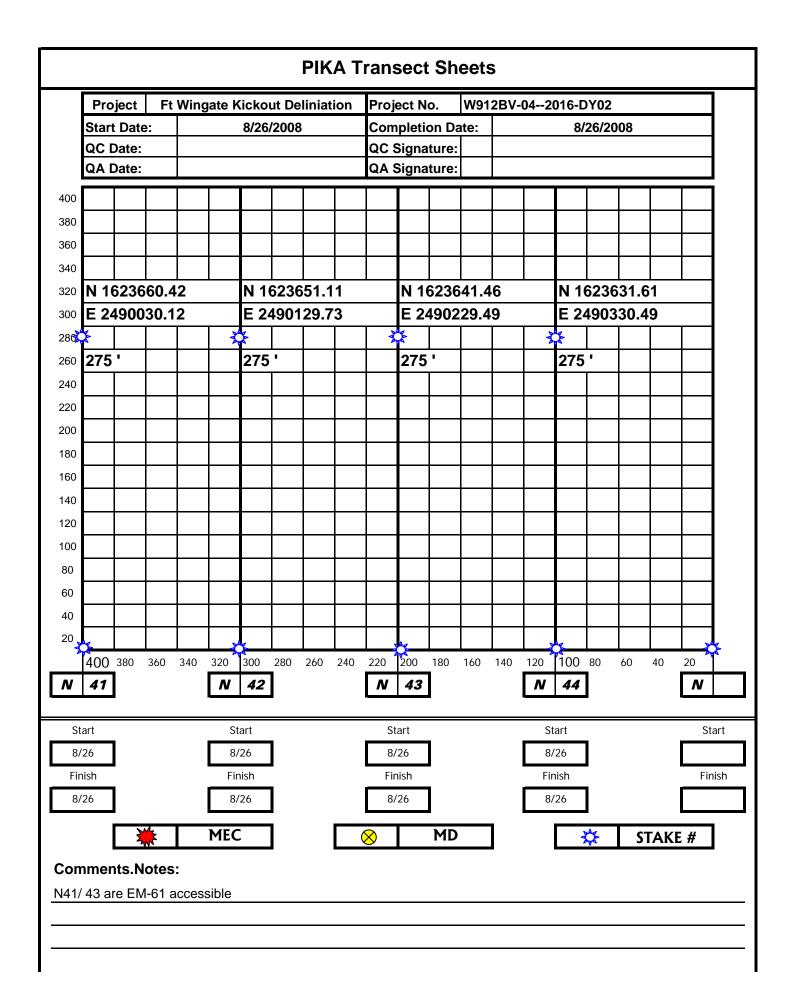


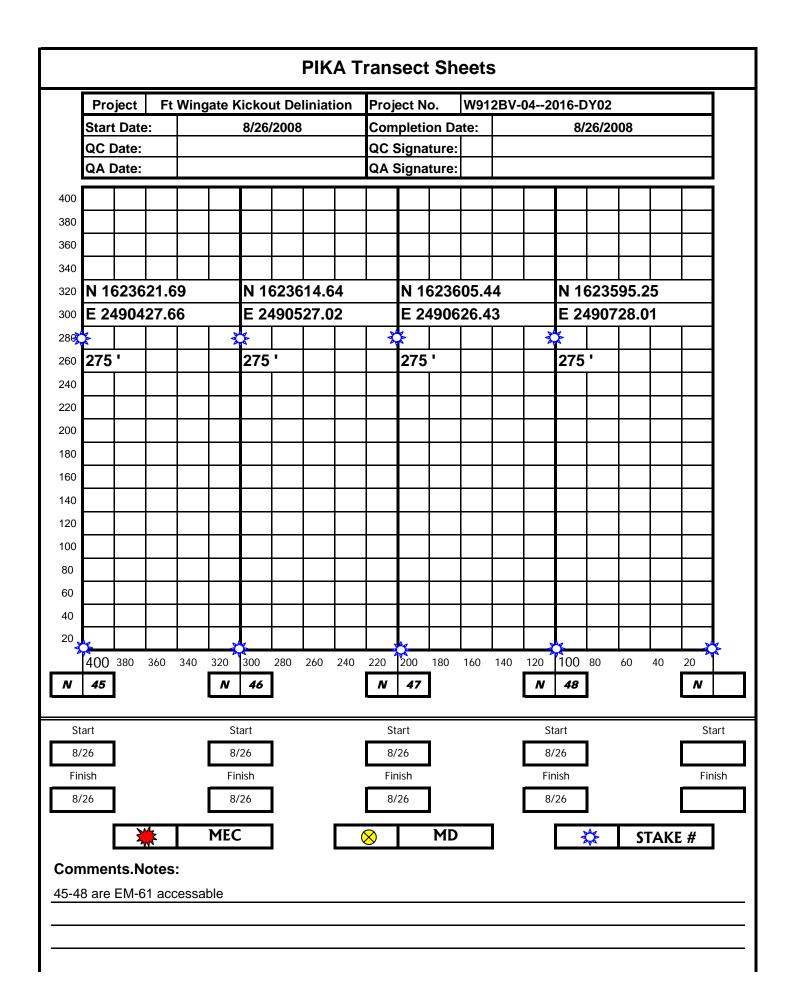


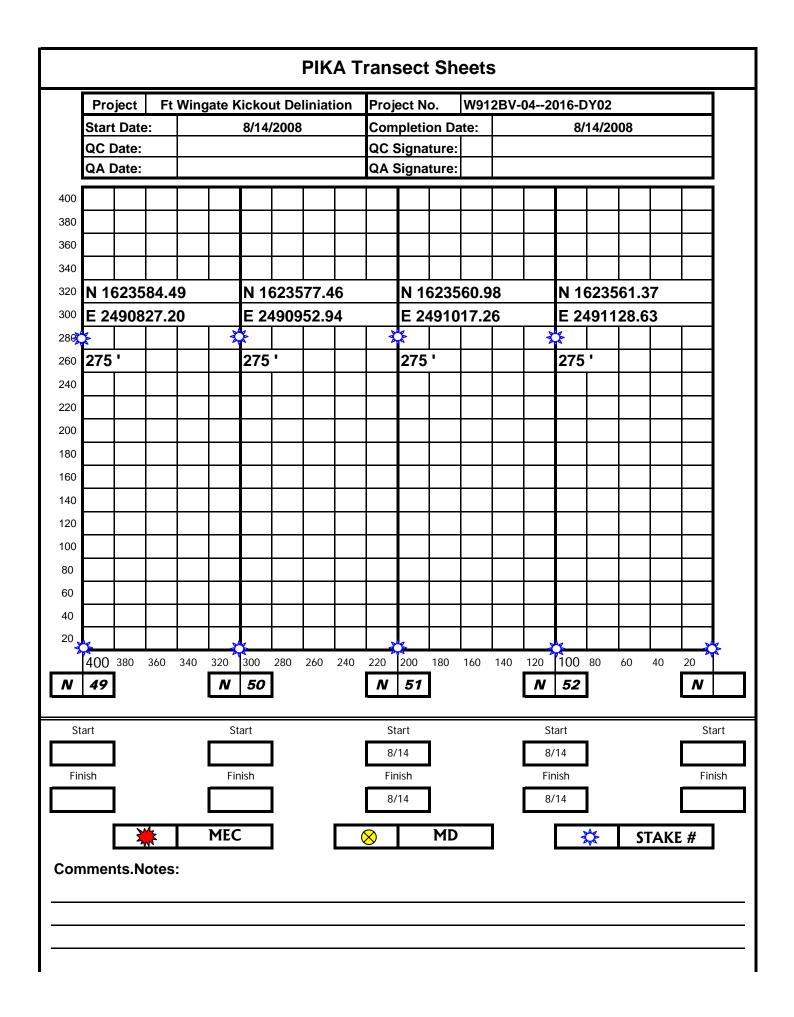


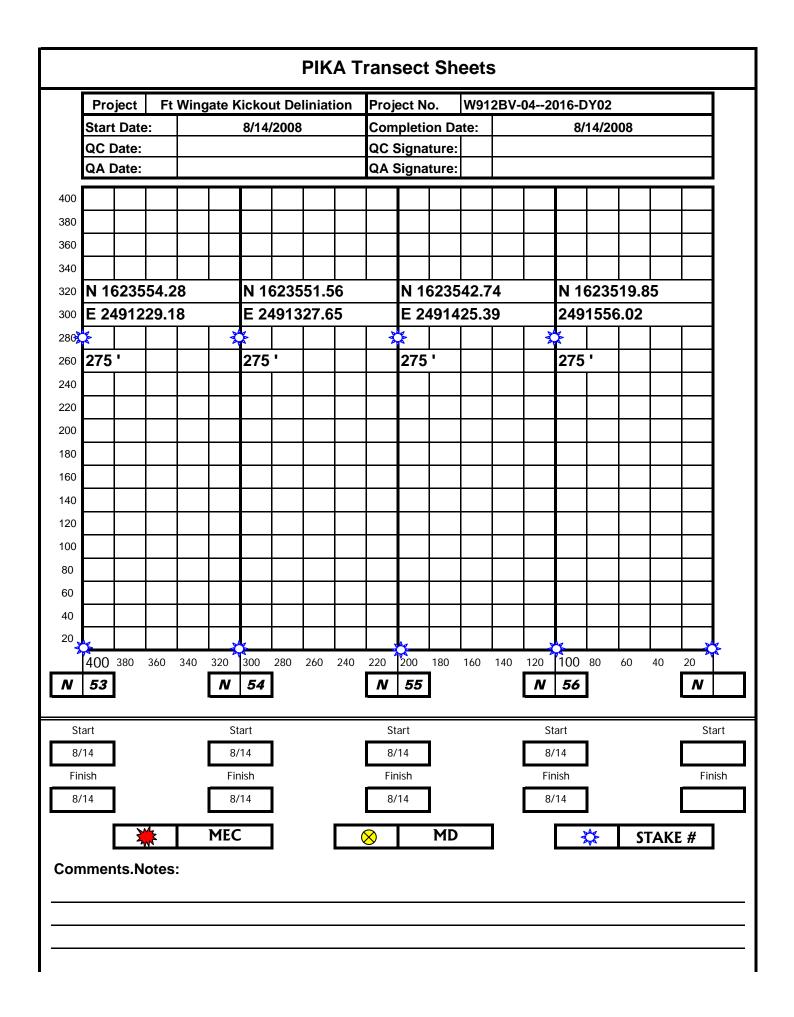


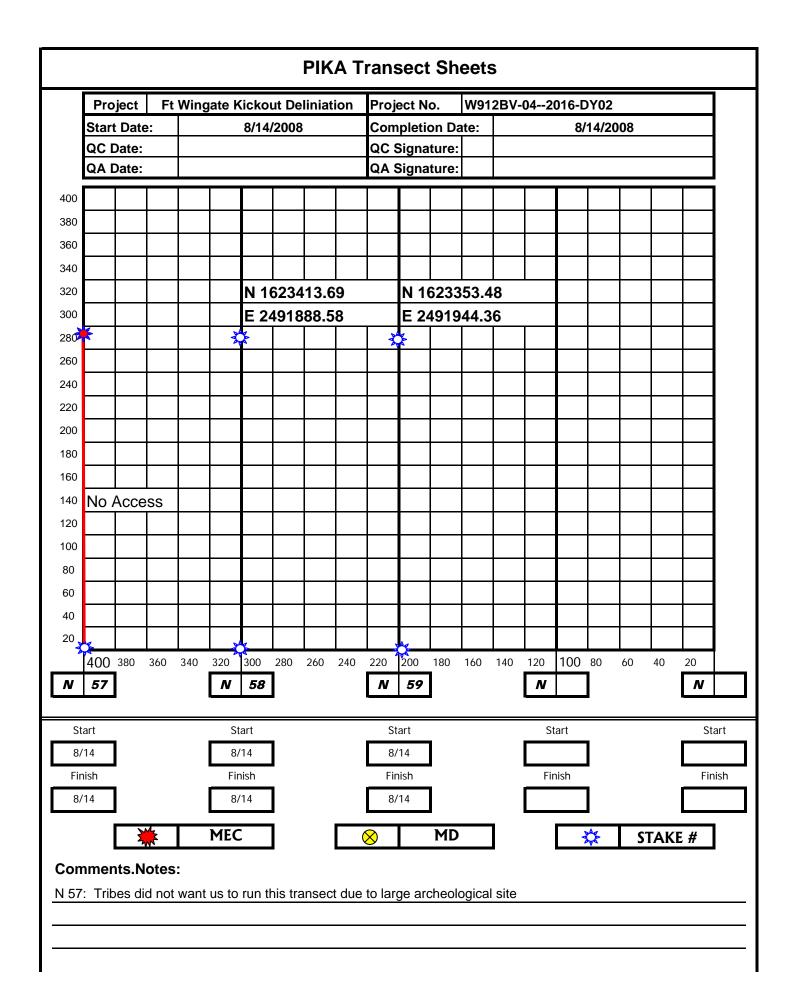














APPENDIX C

List of Planned Transects not Investigated

List of Transects Not Investigated

Transect Number
E-18
E-19
E-88
E-89
E-90
S-35
S-36
S-30
S-37
S-38 S-39
S-40
S-41
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S-59
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S-61
S-62
S-63
S-74
W-3
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W-7
W-8
W-11
W-12
W-13
W-14
W-15
W-16
W-17

List of Transects Not Investigated (Cont'd)

Transect NumberW-18W-19W-20
W-19
VV-20
W-21
W-21 W-22
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W-25 W-26
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W-62
W-63
W-67
W-125
W-126
W-127
W-128
N-8
N-9
N-10
N-11

List of Transects Not Investigated (Cont'd)

Transect Number
N-12
N-13
N-14
N-15
N-16
N-17
N-18
N-19
N-20
N-21
N-23
N-57



APPENDIX D

Explosives Accountability Documentation

M-		DER, INC 8L-00163 /08	HOE	0. BOX 2062 - 51 3BS, NEW MEXI 3-0166 or 393-40 FAX 505-393-6	CO 88240 107 or 1-800-713-6	321		<u>CY CONTAC</u> -800-255-392
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"			Cord, Dentonating, 1.4D, UN0289,	,				
	Cs	ft.	PGII, Explosive 1.4D, Ex #9202035	- tot	50			
				Ship "				
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		(100M Rolls)	Fuse, Igniter, 1.4G, UN0103		- at GALL	In VII:	TO PAR	1 1 2
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-			Fuse, Safety, 1.4S, UN0105	FORT	WINGATE	Ne.M.	\$ 7316	
	Cs	ft.	Fuse, Safety, 1.4S, UN0105 PGII, Explosive 1.4S, Ex #9201092		v >			
				Atta:	Dewer Ti	ed For	d	
	Bx.		Detonators, Non Electric, For Blasting, 1.4B, UN0267, Explosive 1.4 B, Ex #8511062 (Mantespo #8 Fuse C	PGII		1000		
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		(1)	Fibreboard Box	<u>X 6</u>	proper har	ndling and use of the expli	chaser hereby states that purch sives listed above and agrees to Powder, Inc. and suppliers from	p hold harmless and absolve
		(P	01 01001) 17 H V	12 11 V	C SI custody.	and handling of above s	xplosive products being release	and to purchasers care and
-			ox size:) 12" X	$\sum \Lambda$	This	is to certify that the above to labeled and are in pro	named articles are properly clas per condition for transportation	silied, described, packaged
On	book <u>i</u>				regulations	s of the Department of Tr	ansportation.	
On	card <u></u>		1		In	case of an Eme	rgency Call: 1-800	-255-3924
M.S	D.S Enc		/		Consignee	X		
OICE	S PAYABLE 1		NIE'S EXPLOSIVES, INC.	A	1000			
			Box 2062	100	prove,			
		HODD	s, NM 88240	-30-08				

JUBOURD Shipment TO FT WINGATE 7.9-18 Received by SWARDLE + D TheDFERD BUQUTITY is conrect

RECEIVES BY SILVANDIE & D. MEDFORD FT / WINGSTE copy in Bourd shy news to DUANTY is CORREROT

6-25-08

1029

Consignee PIKA INTERNATIONAL FORT WINGATE ARMY DEPOT HISTOCIRC RT 66 BLDG 1 FORT WINGATE 0S 001 T 200 FORT WINGATE 0S 001 FORT WINGATE 0S 001 FORT 0S 05 0 T 200 T 200	hipper OWEN OIL TOOL 12001 GODLEY TX 76044-3141 US		
PIECES HIU HIM DESCRIPTION	WGT(LBS) NMFC PCF	PCF CLASS RATE	TOTAL CHARGES
1 X 1-817-396-4570 :SHIP PHONE # 1 X CTN, CHARGES SHAPED, COMMERCIAL 1 X, UN0441, PGII CHARGES SHAPED, COMMERCIAL 1 ARGESC COMMERCIAL CHARGES 1 ARGESC COMMERCIAL COMMERCIAL 1 ARGESC CONTACT: EMERGENCY 1 BO0 424 930 MATERIAL CHARGE FUEL SURCHG LTL SHPT23.50% FUEL SURCHG LTL SHPT23.50%	31 20	082	
1 /1 PREPAID - WILL INVOICE	51		
SERVICES MAY RESULT IN ADDITIONAL CHARGES*	Bill of Lading Number 1303128	128	00.00
Delv. Driver & #: 1-07 - Arrive: (1) Depart:	P.O. Number		Page 1 of
# of Skids: # of Pcs: OS&D #: Shipment received in apparent good order with wrap intact unless otherwise noted.		P.O. BOX 649002 SAN JOSE, CA 95164 Forlex com 1 868 393 4585	303 4585
mage Exceptions:			

FOR CHEMICAL EMERGENCY Spill, Leak, Fire, Exposure or Accident CALL CHEMTREC 900-424-9300		(801	E, UT	AH 840				W	-560
CALL CHEMTREC		(801			47		VVESUU		
and a second			MIDVALE, UTAH 84047 (801) 484-6557					ground bi	reaking service.
		(801) 884-6871					A Dyno Nobel		0.2/970
1 Clarkdale BATF 9-AZ-019-20-7D-11321	1						WEGG		0:3693
		gate BATF 5-N			2063		WESC	0	6310
1 Rillitto BATF 9-AZ-019-20-7D-00205	1 P&M BATF 5-NM-031-20-5L-12061								
10.	Shipping date: 07 01-08 Customer P.O. NO. 08/2/37 003								
PIKA	ROUTE	DLANI			Contraction Brown			7-00	12
11/211	HOULE	7 1.7	4	40	WEST	70	EX11		
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FROM:	RETURI	N ROUTE I	PLAN	1:					
WESPO GRANTS MILAN									
SHIPPING DESCRIPTION	1			Colorest.	Shipped		Returned		
				NO PKG	NET EXPL S. CONTENT	NO PROS	NET EXPL.	TYPE	IDENT. NO. EXEM
Explosive, blasting, type A	1.1D	UN 0081	11			110.1105	DUNIENI	PKGS.	DOT-E
Boosters	1.1D	UN 0042	П	1					
Explosive, blasting, type E	1.1D	UN 0241	11						
Cord, detonating	1.1D	UN 0065	11	1					1
Detonators, electric	1.1B	UN 0030	11						
Detonators, non-electric	1.1B	UN 0029	П						1
Detonator assemblies, non-electric	1.1B	UN 0360	11						
Detonators, electric	1.4B	UN 0255	11				1		
Detonator assemblies, non-electric	1.4B	UN 0361	П						1
Articles, explosives, N.O.S.	1.4S	UN 0349	11						
Explosives, blasting, type B	1.5D	UN 0331	11						
xplosives, blasting, type E	1.5D	UN 0332	11						
mmonium nitrate-fuel oil mixture	1.5D	NA0331	11						-
Oxidizing, liquid, N.O.S. (Ammonium nitrate)	5.1	UN 3139	111						
Diesel Fuel	3	UN 1202	III						
Ammonium nitrate	5.1	UN 1942	111						1
This is to certify that the above named materials are properly	classified, desc	cribed, package	d, mar	ked and la	beled and are in pro	oper condition	for transportation	n according	to the
applicable regulation of the department of transportation	//		[This sh	ipment is with	nin limitations pr	escribed fo	r cargo aircraft.
SHIPPER'S SIGNATURE Mule Muy /	10								
Buyer assumes all risk and liability for results obtained by t	he use of the m	aterial covered	by this	s order. B	uyer acknowledges	that there m	ay be federal, a	nd/or state	
aws regulating the use and/or possession of the material	covered by this	order and buy	erassu	umes full	responsibility for co	mpliance wit	h said laws.		
WESCO CODE COMPANY PRODUCT DES	CRIPTION	CODE			QTY SHIPPED	A CONTRACTOR	RETURNED	1000	QTY SOLD
Austin Chite Chy Bu	15/215	OPAN	008	>	50				50
PRIMALINE 21 100 9	154	165E			1606'				1600'
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21 21 21 21 21 21 21 21 21 21 21 21 21 2									
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The state of the s									
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1. E.)		~							
Mileage 50 marty.	101	Standby		1.17					
Ve certify that the above articles were received in good con	antion. I will hee	d the IME reco	mmen	dations a	nd warnings on the i	use and hand		es. 08	
	COSIGNE	E-RECEIV	/ER				DATE		

Copy INBOUND Shipment to FT WINGTE 7-1-08 Received By S. Notedle 4 D. Thedrond QUANTITY is CORRECT



Date:

Magazine B-1028

7/3/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand		
Detonators, Electric, Non-delay	80	80	0	0	80		
			-	-			
Inventories This Month:							
07/03/08 Scott Wardell							
	-	Clifford					

bast begrand 2

Dewey Thedford Site Manager, FWADA



Date:

Magazine B-1028

7/11/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonators, Electric, Non-delay	0	80	0	0	80
Inventories This Month:	·		1	1	
Date Pe	ersonnel				

Date		Personnel	
07/03/08	Dewey Thedford	Scott Wardell	
07/11/08	Scott Wardell	John Clifford	

2 bapt begrand

Dewey Thedford Site Manager, FWADA



Date:

Magazine B-1028

7/17/2008

Magazine D-1020								
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand			
Detenstora Electric Nen delay	0	80	0	0	80			
Detonators, Electric, Non-delay	0	00	0	0	00			
Inventories This Month:	-1	1	1	1				

Invent	tories This Month:	
Date		Personnel
07/09/08	Dewey Thedford	Scott Wardell
07/11/08	Scott Wardell	John Clifford
07/17/08	John Reott	Dewey Thedford

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Dewey Thedford Site Manager, FWADA



Date:

Magazine B-1028

7/24/2008

Magazine D-1020							
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand		
Detonators, Electric, Non-delay	0	80	0	0	80		
Detonators, Electric, Non-delay			0	0			
Inventories This Month							

Inven	tories This Month:	
Date		Personnel
07/09/08	Dewey Thedford	Scott Wardell
07/11/08	Scott Wardell	John Clifford
07/17/08	John Reott	Dewey Thedford
07/24/08	John Reott	Tom Knapp/USACOE

bapt begrand 2

Dewey Thedford Site Manager, FWADA



Date:

Fort Wingate Weekly Explosive Inventory Magazine B-1028

7/31/2008

Materials	Received This	Received to	Used This	Used to Date	Quantity on
	Week	Date	Week		Hand
Detonators, Electric, Non-delay	0	80	0	0	80

Invent	ories This Month:	
Date		Personnel
07/09/08	Dewey Thedford	Scott Wardell
07/11/08	Scott Wardell	John Clifford
07/17/08	John Reott	Dewey Thedford
07/24/08	John Reott	Tom Knapp/USACOE
07/31/08	John Reott	Cameron Wenzel

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Dewey Thedford Site Manager, FWADA



Date:

Magazine B-1028

8/7/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonators, Electric, Non-delay	0	80	0	0	80
Detonators, Electric, Non-delay	0	00	0	0	80
Inventories This Month:	1				

Date Personnel 08/07/08 Dewey Thedford John Reott

2 16 Jacquard

Dewey Thedford Site Manager, FWADA



Date:

Magazine B-1028

8/14/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonators, Electric, Non-delay	0	80	0	0	80
			I	I	
Inventories This Month: Date P	= ersonnel				
08/07/08 Dewey Thedford	John Reott		•		
08/14/08 Dewey Thedford	John Reott				
			- -		
Copert segard	_				
Dewey Thedford Site Manager, FWADA					



Date:

Fort Wingate Weekly Explosive Inventory Magazine B-1028

8/21/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonators, Electric, Non-delay	0	80	0	0	80

Invent	ories This Month:		
Date		Personnel	
08/07/08	Dewey Thedford	John Reott	
08/14/08	Dewey Thedford	John Reott	
08/21/08	Dewey Thedford	John Reott	
33/21/00		Com Room	

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Г

Dewey Thedford Site Manager, FWADA



Date:

Fort Wingate Weekly Explosive Inventory Magazine B-1028

8/28/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
	vveek	Date	week		Hano
Detonators, Electric, Non-delay	0	80	0	0	80
L					

tories This Month:		
	Personnel	
Dewey Thedford	John Reott	
	Dewey Thedford Dewey Thedford Dewey Thedford	Personnel Dewey Thedford John Reott Dewey Thedford John Reott Dewey Thedford John Reott

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Dewey Thedford Site Manager, FWADA



Date:

Magazine B-1028

9/5/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonators, Electric, Non-delay	0	80	0	0	80
	0	00	0	0	00
Inventories This Month	1			I	

Invent			
Date		Personnel	
09/05/08	Dewey Thedford	John Reott	

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Dewey Thedford Site Manager, FWADA



Date:

Magazine B-1028

9/11/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonators, Electric, Non-delay	0	80	0	0	80
Inventories This Month:					

Invent	Inventories This Month:				
Date		Personnel			
09/05/08	Dewey Thedford	John Reott			
09/11/08	Dewey Thedford	John Reott			

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Dewey Thedford Site Manager, FWADA



Fort Wingate

Date:

Weekly Explosive Inventory Magazine B-1028

9/18/2008

Magazine B-1028					
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonators, Electric, Non-delay	0	80	0	0	80
	I				
Inventories This Month:					
Date	Personnel				

Date		Personnel	
09/05/08	Dewey Thedford	John Reott	
09/11/08	Dewey Thedford	John Reott	
09/18/08	Dewey Thedford	John Reott	
	-		

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Dewey Thedford Site Manager, FWADA



Fort Wingate

Date:

TERNATIONAL, INC		Weekly Explosive Inventory Magazine B-1028				
	Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
etonators, Elect	ric, Non-delay	0	80	0	0	80
						0
					-	
	ltems st	hipped to Camp Bo	nneville hv R	&R Trucking		
		hipped to Camp BC				
Invento	ories This Month:					
Date		Personnel				
09/05/08	Dewey Thedford	John Reott				
09/11/08	Dewey Thedford	John Reott				
09/18/08	Dewey Thedford	John Reott				
09/25/08	Dewey Thedford	John Reott				

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Dewey Thedford Site Manager, FWADA



Date:

Magazine B-1029

6/26/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Charges, Shaped, Commercial 19Gr	50	50	0	0	50
Inventories This Month:			1	1	
	ersonnel				
06/26/08 Dewey Thedford	Scott Wardle				
2					
Coffee Mercard					
Dewey Thedford Site Manager, FWADA					



Date:

Magazine B-1029

7/3/2008

		Ine B-1029			
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity or Hand
Detonating Cord, 100 Gr	1600	1600'	0	0	1600'
Boosters, 3/4 Lb, Black Cap	50	50	0	0	50
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50
Inventories This Month:					
Date	Personnel		<u>.</u>		
07/03/08 Dewey Thedford	Scott V	Vardell			
			-		

bast begrand 2

Dewey Thedford Site Manager, FWADA



Fort Wingate Weekly Explosive Inventory Magazine B-1029

7/11/2008

	magaz	IIIe D-1029					
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand		
Detonating Cord, 100 Gr	0	1600'	0	0	1600'		
Boosters, 3/4 Lb, Black Cap	0	50	0	0	50		
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50		
Inventories This Month:	=						
	ersonnel						
07/03/08 Dewey Thedford	Scott V	Vardell					

John Clifford

2 bapt begrand

07/11/08

Scott wardell

Dewey Thedford Site Manager, FWADA



Fort Wingate Weekly Explosive Inventory Magazine B-1029

7/17/2008

	- 3-				
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonating Cord, 100 Gr	0	1600'	0	0	1600'
	0	1000	0	0	1000
Boosters, 3/4 Lb, Black Cap	0	50	0	0	50
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50
Inventories This Month:					

Inven		
Date		Personnel
07/01/08	Dewey Thedford	Scott Wardell
07/11/08	Scott Wardell	John Clifford
07/17/08	John Reott	Dewey Thedford

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Dewey Thedford Site Manager, FWADA



Fort Wingate Weekly Explosive Inventory Magazine B-1029

7/24/2008

	- 5-				
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonating Cord, 100 Gr	0	1600'	0	0	1600'
Boosters, 3/4 Lb, Black Cap	0	50	0	0	50
	0	50	0	0	
Charges Shaped Commercial 10 Cr	0	50	0	0	50
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50
Inventories This Month:					

Inve	ntories This Month:	
Date		Personnel
07/01/08	Dewey Thedford	Scott Wardell
07/11/08	Scott Wardell	John Clifford
07/17/08	John Reott	Dewey Thedford
07/24/08	John Reott	Tom Knapp/USACOE

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Dewey Thedford Site Manager, FWADA



Fort Wingate Weekly Explosive Inventory Magazine B-1029

7/31/2008

Received This Received to Used This Used This Quantity on						
Materials	Week	Received to Date	Week	Used to Date	Quantity on Hand	
Detenation Cond. 400 Cr	0	1000	0	0	4000	
Detonating Cord, 100 Gr	0	1600'	0	0	1600'	
Boosters, 3/4 Lb, Black Cap	0	50	0	0	50	
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50	
	1					

Invent	ories This Month:	
Date		Personnel
07/01/08	Dewey Thedford	Scott Wardell
07/11/08	Scott Wardell	John Clifford
07/17/08	John Reott	Dewey Thedford
07/24/08	John Reott	Tom Knapp/USACOE
07/31/08	John Reott	Cameron Wenzel

bapt segrand 2

Dewey Thedford Site Manager, FWADA



Fort Wingate Weekly Explosive Inventory Magazine B-1029

8/7/2008

		IIIE D-1029				
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand	
Detonating Cord, 100 Gr	0	1600'	0	0	1600'	
Boosters, 3/4 Lb, Black Cap	0	50	0	0	50	
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50	
Inventories This Month:						
	- ersonnel					
08/07/08 Dewey Thedford	John Reott					

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Dewey Thedford Site Manager, FWADA



Date:

Magazine B-1029

8/14/2008

	wagaz	Ine B-1029			
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonating Cord, 100 Gr	0	1600'	0	0	1600'
<u> </u>					
Boosters, 3/4 Lb, Black Cap	0	50	0	0	50
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50
			<u> </u>		
Inventories This Month:					
Date	Personnel		<u>.</u>		
08/07/08 Dewey Thedford	John Reott				
08/14/08 Dewey Thedford	John Reott		-		
2					
Captord segand					
Dewey Thedford Site Manager, FWADA					
one managel, i when					



Fort Wingate Weekly Explosive Inventory Magazine B-1029

8/21/2008

	magaz				
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonating Cord, 100 Gr	0	1600'	0	0	1600'
Boosters, 3/4 Lb, Black Cap	0	50	0	0	50
	Ŭ		Ŭ		00
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50
	<u>I</u>		1	1	

Invent	tories This Month:		
Date		Personnel	
08/07/08	Dewey Thedford	John Reott	
08/14/08	Dewey Thedford	John Reott	
08/21/08	Dewey Thedford	John Reott	
	-		

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Dewey Thedford Site Manager, FWADA



Fort Wingate Weekly Explosive Inventory Magazine B-1029

8/28/2008

	Magaz				
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonating Cord, 100 Gr	0	1600'	0	0	1600'
Boosters, 3/4 Lb, Black Cap	0	50	0	0	50
				0	50
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50
Charges, Shaped, Commercial 19 St	0	50	0	0	
	1		I		

Invent	tories This Month:		
Date		Personnel	
08/07/08	Dewey Thedford	John Reott	
08/14/08	Dewey Thedford	John Reott	
08/21/08	Dewey Thedford	John Reott	
08/28/08	Dewey Thedford	John Reott	
	•		

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Dewey Thedford Site Manager, FWADA



Fort Wingate Weekly Explosive Inventory Magazine B-1029

9/5/2008

Wagazine B-1029							
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand		
Detonating Cord, 100 Gr	0	1600'	0	0	1600'		
Boosters, 3/4 Lb, Black Cap	0	50	0	0	50		
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50		
Inventories This Month:	=						
	ersonnel				l		
09/05/08 Dewey Thedford	John Reott						

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Dewey Thedford Site Manager, FWADA



Fort Wingate Weekly Explosive Inventory Magazine B-1029

9/11/2008

	5										
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand						
Detonating Cord, 100 Gr	0	1600'	0	0	1600'						
	0	1000			1000						
		50	0	0	50						
Boosters, 3/4 Lb, Black Cap	0	50	0	0	50						
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50						
Inventories This Month:	=			Inventories This Month:							

Date		Personnel	
09/05/08	Dewey Thedford	John Reott	
09/11/08	Dewey Thedford	John Reott	

2 bapt begrand

Dewey Thedford Site Manager, FWADA



Fort Wingate

Date:

Weekly Explosive Inventory Magazine B-1029

9/18/2008

	Received This	Received to			
Materials	Week	Date	Used This Week	Used to Date	Quantity on Hand
Detonating Cord, 100 Gr	0	1600'	0	0	1600'
Boosters, 3/4 Lb, Black Cap	0	50	0	0	50
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50
Inventories This Month:					
	= ersonnel				
09/05/08 Dewey Thedford	John Reott				
09/11/08 Dewey Thedford	John Reott				

bapt begrand 1

Dewey Thedford

John Reott

09/18/08

Dewey Thedford Site Manager, FWADA



Fort Wingate

Date:

Weekly Explosive Inventory Magazine B-1029

9/25/2008

Magazine B-1029						
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand	
Detonating Cord, 100 Gr	0	1600'	0	0	0	
Boosters, 3/4 Lb, Black Cap	0	50	0	0	0	
Charges, Shaped, Commercial 19 Gr	0	50	0	0	0	
Itome shir	ped to Camp B					
Inventories This Month:						

invent	ones mis wonth.		
Date		Personnel	
09/05/08	Dewey Thedford	John Reott	
09/11/08	Dewey Thedford	John Reott	
09/18/08	Dewey Thedford	John Reott	
09/25/08	Dewey Thedford	John Reott	

Lafter Aspand

Dewey Thedford Site Manager, FWADA



Date:

Magazine B-1038

6/26/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Pistol Flare	1	1	0	0	1
M-9 Smoke Cannisters	1	1	0	0	1
Grenade Fuse	2	2	0	0	2
M-120 Fuse	3	3	0	0	3
Inventories This Month:					
	ersonnel		_		
06/26/08 Dewey Thedford	Scott Wardel		-		
			-		
			-		
			-		
Coffee He Hegand	_				
Dewey Thedford Site Manager, FWADA					



Date:

Magazine B-1038

7/3/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Pistol Flare	0	1	0	0	1
M-9 Smoke Cannisters	1	2	0	0	2
Grenade Fuse	0	2	0	0	2
M-120 Fuse	4	7	0	0	7
Inventories This Month:	<u>-</u>		1	I	
Date P 07/03/08 Dewey Thedford	ersonnel Scott \	Wardel	-		
			-		
			-		
Caftrage His grand					
Dewey Thedford Site Manager, FWADA	-				



Date:

Magazine B-1038

7/11/2008

	Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Pistol Flare		0	1	0	0	1
M-9 Smoke Canis	sters	1	3	0	0	3
Grenade Fuse		0	2	0	0	2
M-120 Fuse		5	12	0	0	12
	ories This Month:	Personnel				
Date 07/03/08	Dewey Thedford		Vardell	-		
07/11/08	Scott Wardell	John (-		
				-		
				-		
	0			-		
	Lafter May					
	ewey Thedford Ianager, FWADA					



Fort Wingate

Date:

Weekly Explosive Inventory Magazine B-1038

7/17/2008

Magazine B-1038						
Π	Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Pistol Flare		0	1	0	0	1
M-9 Smoke Canist	ore	13	16	0	0	16
		10	10		0	10
Grenade Fuse		0	2	0	0	2
Brenade Fuse		0	2	0	0	2
				_		
I-120 Fuse		11	23	0	0	23
mpact Nose Fuse		1	1	0	0	1
					I	
Inventor	ries This Month:					
Date		Personnel				
07/03/08	Dewey Thedford		Vardell			
07/11/08	Scott Wardell					
07/17/08	Dewey Thedford	Scott V	Vardell			
	~					
	9					

Lafter Asgrand

Dewey Thedford Site Manager, FWADA



Fort Wingate

Date:

Weekly Explosive Inventory Magazine B-1038

7/24/2008

Magazine B-1038						
Mate	rials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Pistol Flare		0	1	0	0	1
M-9 Smoke Canisters		0	16	0	0	16
Grenade Fuse		0	2	0	0	2
M-120 Fuse		3	26	0	0	26
Impact Nose Fuse		1	2	0	0	2
Booster		1	1	0	0	1
Inventories	This Month:					
Date		Personnel				
	ewey Thedford	Scott Wardell				
07/11/08 Sc	cott Wardell	John Clifford				

Dewey Thedford

Tom Knapp

bapt begrand 1

John Reott

John Reott

07/17/08

07/24/08

Dewey Thedford Site Manager, FWADA



Date:

Magazine B-1038

7/31/2008

		Magaz	ine B-1038			
	Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Pistol Flare		0	1	0	0	1
M-9 Smoke Can	ictore	0	16	0	0	16
M-5 Onloke Can	131013	0	10	0	0	10
			0	0	0	0
Grenade Fuse		1	3	0	0	3
M-120 Fuse		2	28	0	0	28
Impact Nose Fus	se	1	3	0	0	3
Booster		0	1	0	0	1
					-	
Ia ,	torios This Marth.					
Date	tories This Month:	Personnel				
07/03/08	Dewey Thedford	Scott Wardell				
07/03/08	Scott Wardell	John Clifford				
07/17/08	John Reott	Dewey Thedford	1			
07/24/08	John Reott	Tom Knapp				
07/31/08	John Reott	Cameron Wenze	el			

best begand 1

Dewey Thedford Site Manager, FWADA



Date:

Magazine B-1038

8/7/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Pistol Flare	0	1	0	0	1
M-9 Smoke Canisters	0	16	0	0	16
Grenade Fuse	0	3	0	0	3
M-120 Fuse	3	31	0	0	31
Impact Nose Fuse	2	5	0	0	5
Booster	0	1	0	0	1
Inventories This Month:	=				
Date Point Dewey Thedford	ersonnel John Reott				
Captron Asqual					
Dewey Thedford Site Manager, FWADA					



Date:

Magazine B-1038

8/14/2008

Magazine B-1038										
	Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand				
Pistol Flare		0	1	0	0	1				
M-9 Smoke Can	isters	0	16	0	0	16				
Grenade Fuse		0	3	0	0	3				
M-120 Fuse		0	31	0	0	31				
101-120 T 030		0	51	0	0	51				
Import Naco Fu		0	F	0	0	F				
Impact Nose Fus	se	0	5	0	0	5				
Deceter				_	<u> </u>	4				
Booster		0	1	0	0	1				
Inven	tories This Month:									
Date		Personnel		-						
08/07/08	Dewey Thedford	John Reott		-						
08/14/08	Dewey Thedford	John Reott		-						
				-						
				_						
	0									
	Inghast bes									
	ewey Thedford Manager, FWADA									
Sile I	vialiayer, i WADA									



Fort Wingate

Date:

Weekly Explosive Inventory Magazine B-1038

8/21/2008

Magazine B-1038										
	Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand				
Pistol Flare		0	1	0	0	1				
M-9 Smoke Cani	isters	0	16	0	0	16				
Grenade Fuse		0	3	0	0	3				
M-120 Fuse		0	31	0	0	31				
Impact Nose Fus	se	0	5	0	0	5				
Booster		0	1	0	0	1				
Invent	ories This Month:									
Date		Personnel								
08/07/08	Dewey Thedford	John Reott								
08/14/08	Dewey Thedford	John Reott								

bapt begrand 1

Dewey Thedford

John Reott

08/21/08

Dewey Thedford Site Manager, FWADA



Date:

Magazine B-1038

8/28/2008

Magazine B-1038										
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand					
Pistol Flare	0	1	0	0	1					
M-9 Smoke Canisters	0	16	0	0	16					
Grenade Fuse	0	3	0	0	3					
M-120 Fuse	0	31	0	0	31					
M-120 Fuse	0	31	0	0	31					
Impact Nose Fuse	0	5	0	0	5					
Booster	0	1	0	0	1					
	I									
Inventories This Month:										

Date		Personnel	
08/07/08	Dewey Thedford	John Reott	
08/14/08	Dewey Thedford	John Reott	
08/21/08	Dewey Thedford	John Reott	
08/28/08	Dewey Thedford	John Reott	

happende 2

Dewey Thedford Site Manager, FWADA



Date:

Magazine B-1038

9/5/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Pistol Flare	0	1	0	0	1
M-9 Smoke Canisters	0	16	0	0	16
Grenade Fuse	0	3	0	0	3
M-120 Fuse	0	31	0	0	31
Impact Nose Fuse	0	5	0	0	5
	Ŭ			Ŭ	
Booster	0	1	0	0	1
Inventories This Month:	_				
	ersonnel		-		
09/05/08 Dewey Thedford	John Reott		-		
			-		
			-		
Captor As youd	-				
Dewey Thedford Site Manager, FWADA					



Date:

Magazine B-1038

9/11/2008

	Iviayaz	IIIe D-1030			
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Pistol Flare	0	1	0	0	1
M-9 Smoke Canisters	0	16	0	0	16
Grenade Fuse	0	3	0	0	3
M-120 Fuse	0	31	0	0	31
Impact Nose Fuse	0	5	0	0	5
			0	0	
Booster	0	1	0	0	1
Doostel	0	I	0	0	
Inventories This Month:					
Date	Personnel				
09/05/08 Dewey Thedford	John Reott				
09/11/08 Dewey Thedford	John Reott				
			<u>.</u>		
2					
Captrast segrand					
Dewey Thedford					
Site Manager, FWADA					



Fort Wingate

Date:

Weekly Explosive Inventory Magazine B-1038

9/18/2008

Magazine B-1038										
	Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand				
Pistol Flare		0	1	0	0	1				
M-9 Smoke Can	isters	0	16	0	0	16				
Grenade Fuse		0	3	0	0	3				
M-120 Fuse		0	31	0	0	31				
Impact Nose Fus	se	0	5	0	0	5				
Booster		0	1	0	0	1				
Invent	ories This Month:									
Date		Personnel								
09/05/08	Dewey Thedford	John Reott								
09/11/08	Dewey Thedford	John Reott								
	Discourse The address of	Labor David								

1 best begrand

Dewey Thedford

John Reott

09/18/08

Dewey Thedford Site Manager, FWADA

P	KA
INTERNA	TIONAL, INC.

Fort Wingate Weekly Explosive Inventory Magazine B-1038

9/25/2008

		Magaz	ine B-1038			9/25/2008
	Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
			T			
Pistol Flare		0	1	0	0	1
M-9 Smoke Can	isters	0	16	0	0	16
Grenade Fuse		0	3	0	0	3
		0	24	0	0	24
M-120 Fuse		0	31	0	0	31
Impact Nose Fu	20	0	5	0	0	5
				Ű	Ŭ	
Booster		0	1	0	0	1
		Items turned	over to FWDA			
Invent	ories This Month:					
Date		Personnel		_		
09/05/08	Dewey Thedford	John Reott		-		
09/11/08	Dewey Thedford	John Reott		-		
09/18/08	Dewey Thedford	John Reott		-		
09/25/08	Dewey Thedford	John Reott		-		
	Coperlines			-		
	ewey Thedford Manager, FWADA	_		FWAD/Mike Scoville	9	
				FWAD/Mike Chee		

11.2		intended solely for filing or record.	perty named herein, and	lis	Snipper No.		
om 706		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			Carrier No		
ge/ o	t /	RAR TAV			Date	9/2	6/08
<u> </u>		(Name of c	carrier)	(SCAC)			
:		00° must appear before consignee's name or as otherwise provided in Item 430, Sec.1.	Shipper FORT	WINGATE	ARMY	Dipo	+
nsignee Am	D Bo	VALEVILLE (PIKA INTERNETIONA)		ES FAST of			
eet 2320	01 NI	E pluss ROAD, BLIG T- 4366	City FORT	WINGSTE "	State NM	Zip Code	8-1316
1 VANCO	JUFR	State, WA Zip Code 98682 566 - 6985		ontact Tel. No			
ute	360)	566 - 678C	much ach	a hand a shared	Vehicle	Э	
No. of Units Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class UN or NA Number, Pro- UN or NA Number, Packing Group or Hazard Class, f	per Shipping Name,	TOTAL QUANTITY (Weight, Volume, Gattons, etc.)	WEIGHT (Subject to Correction)	RATE	(For Carrie Use Only)
		DETONTORS, NON-ECECTRIC	acking Group		Correction)		Use Only)
1 2	<u>×</u>	1.4B, UN0267, PGIL (6 LA			
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		18.4 NEW LBS. 16"	a 47		1. 2. 11. 11.	1	Que -
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1	×	CTN (WARSES, SWAPED, CO. 1.45, WALGHUI, PGT (F		31 LBS			10.00
1		2.09 NEW LOS 50	A.P.				- 0
	1	Poc's:			en aver	1	5.76
		FUNT WINSATE: CAMPAN WIENER	6	- Second			Par St.
115-12-1		CFLL 281-383-8237				1	and the
and the second sec	The second s	NDERED: YES - NO -	C.O.D. 10:	Mary Comments		123	1070
pecifically in writing the	agreed or deci of the property i	ant on value, shippers are required to state and value of the property, as follows. The shereby specifically stated by the shipper to per	COD	Amt: \$	C.O.D. PREPA	FEE:	
release or a value dec	claration by the	sects a limitation of the carrier's liability absent marked and labelled/placarded, and a ling and the shipper does not release in all respects in proper condition in carrier's liability shall be limited to the extent in 172.	e Subject to Section 7 of the c consignee without recourse c	conditions, if this shipment is to be de on the consignor, the consignor s	ECOLLE Nevered to the hall sign the CHARG	INSTRUM TH	
 Commodities requiring nust be so marked and per em 360, Bills of Lading. 	special or addi ackaged as to e Freight Bills an	Ional care or attention in handling or stowing regulations. Issure safe transportation. See Section 2(e) of 5 Statements of Charges and Section 1(e) of	The carrier shall not make freight and all other lawful char	II. Martin State	payment of FR FREIGHT except who	EIGHT CHAP	are to be
the	ECEIVED, subjection property describ	t to the classifications and tariffs in effect on the date of the issue of this Bill of Lading. ed above in apparent good order, except as noted (contents and condition of con-	tination and as to each performed hereunder s	signature of Consignor) n party at any time interested in all o hall be subject to all the bill of tadin		every service to	
tent (the pos nati	s of packages u word carrier be session of the pr on, if on its route	nknown), marked, consigned, and destined as indicated above which said carrier ing understood throughout this contract as meaning any person or corporation in openy under the contract) agrees to carry to its usual place of delivery at said destin- it, otherwise to deliver to another carrier on the route to said destination. It is mutu-	sification on the date of Shipper hereby	shipment. certifies that he is familiar with a on and the said terms and condition	all the lading terms and	conditions in	the
		ch carrier of all or any of, said property over all or any portion of said route to des-		111.2	1- 1 1	N STORY	
ER Laur	KA -	IN TEXNOTIONAL, INC.	PER	e Walpor /	all Kish	el	- 6
Non	al M	- nikertbuck	DATE			MOUNT	_ c
Permanent post-offi	ce address	of shipper.	Salaran and a second	2003 LABELMASTER® (80	20) 621 5908	Inholmenter	000



APPENDIX E

QC Target List



APPENDIX E QC Target List



	Easting	Northing	Ch 2 Drift	Anomaly Description	
1	2489839.60	1623474.70	2.35	Barbed wire 3' East	
2	2489716.40	1623456.20	17.53	Multiple hot rocks and asphalt, side of road	
3	2489716.60	1623407.50	3.38	Hot rock, edge of road 5' North	
4*	2489903.50	1623390.50	6.27	No contact	
5*	2489925.00	1623390.50	2.53	1' wire	
6*	2490131.90	1623368.00	2.50	No contact	
7*	2490224.70	1623367.30	2.90	Spam can key	
8*	2490725.30	1623314.50	3.48	No contact	
9*	2490728.90	1623513.60	2.67	No contact	
10*	2490623.50	1623542.00	4.94	No contact	
11*	2490623.40	1623598.60	2.23	No contact	
12	2490519.20	1623519.30	2.34	Benchmark 6' South	
13*	2490526.40	1623332.30	3.35	No contact	
14*	2490426.20	1623566.60	6.40	Nail	
15	2490325.30	1623585.40	5.63	Metal scrap 6' East	
16*	2490325.20	1623483.60	2.70	No contact	
17*	2490326.30	1623356.00	4.69	No contact	
18*	2490119.90	1623522.80	4.10	No contact	
19	2492075.79	1622646.71	7.39	Wire 3' East	
20	2492134.82	1622745.52	2.81	Cable 1' East	
21	2492120.47	1622745.30	8.76	Cable 1' West	
22	2492164.42	1622935.35	8.14	Cable	
23	2492801.48	1620015.04	6.82	4" wire, 1' West	
24	2492997.72	1618600.27	2.56	Banding 6' NW	
25	2493045.64	1618484.49	2.59	Banding 3' East	
26	2493052.47	1618482.67	3.59	Wire 1' East	
27	2493155.13	1618360.43	2.13	No contact	
28	2493141.97	1618264.07	5.83	Middle of asphalt road	
29	2493132.72	1618257.54	30.31	Rebar 3' North	
30	2493082.34	1618162.82	1745.08	Culvert 4' North	
31	2493220.20	1617918.38	3.60	Nail 1' East	

QC Target List



				- /	
	Easting	Northing	Ch 2 Drift	Anomaly Description	
32	2493208.79	1617855.37	10.09	Wire 1' West	
33	2493217.22	1617845.31	3.05	Wire 2' West	
34	2493394.98	1617633.73	4.66	Small metal 3' North	
35	2493360.93	1617538.77	2.74	Barbed wire 3' East	
36	2493407.26	1617394.18	4.78	Wire 1' West	
37	2493562.54	1617147.02	7.66	Soda can 2' North	
38	2492840.54	1620030.29	3.08	Tin lid, 1' North	
39	2492850.56	1619224.15	2.26	No contact	
40	2492777.72	1619934.64	2.48	Nail 3' East	
41	2492889.06	1619813.09	2.58	Nail 1' South	
42	2492885.63	1619804.59	3.55	Banding 1' North	
43	2492842.06	1619826.03	6.53	Rebar 2' East	
44	2492830.62	1619831.92	81.72	Small metal 4' South	
45	2492766.82	1619828.53	2.80	Wire 1' West	
46	2492728.14	1619829.40	5.48	Wire 1' West	
47	2492635.04	1619750.24	10.76	Metal can 2' NW	
48	2492672.94	1619614.27	3.44	4" nail	
49	2492987.60	1619438.49	7.43	Banding	
50	2485485.67	1615739.96	3.07	Bolt, 5' South	
51	2485472.62	1615672.25	2.67	Screw 1' North	
52	2485409.71	1615291.92	3.46	Tin lid, 1' North	
53	2485441.66	1614996.53	4.73	Pop top 1' North	
54	2485443.02	1614983.01	2.71	Barbed wire 2' North	
55	2485429.94	1614664.86	4.01	Piece of chain link, 2' East	
56	2485427.66	1614403.03	2.35	No contact	
57	2485312.23	1614150.86	3.72	Barbed wire	
58	2485179.17	1614044.42	4.09	Nail 3' NW	
59	2485157.90	1613970.37	2.48	No contact	
60	2485191.92	1613968.27	3.91	Barbed wire	
61	2485263.57	1613990.89	2.60	Nail	
62	2485272.66	1613993.83	2.91	Barbed wire, 2' North	

QC Target List (Continued)



	Easting	Northing	Ch 2 Drift	Anomaly Description	
63	2485331.30	1613996.01	4.03	Soda can 2' West	
64	2485368.77	1613994.86	12.79	Sardine can 2' North	
65	2485552.70	1613728.67	29.25	Rebar	
66	2485546.70	1613694.87	4.80	Nail 1' West	
67	2485577.02	1613584.35	2.91	Staple, 4' West	
68	2485536.50	1613437.78	2.88	Stable, 4' West	
69	2485520.29	1613402.67	96.56	Paint can, 2' South	
70	2485559.44	1613295.42	20.16	Soup can, 1' North	
71	2485567.22	1613263.52	11.39	Hot rock, 2' South	
72	2485556.45	1613211.63	47.05	Hand trowel, 1' West	
73	2485535.15	1613190.61	10.66	Chain link, 2' West	
74	2485540.53	1613009.24	2.99	pop top, 2' West	
75	2485569.72	1612714.55	2.95	Staple, 1' West	
76	2485528.42	1612682.47	2.66	Drill bit	

QC Target List (Continued)

Note – All coordinates are in NAD83 New Mexico State Plane West, U.S. Survey Feet * These points were re-investigated due to the high rate of no contacts, see Section 4.3.9.



APPENDIX F Daily Reports



PIKA International, Inc. Daily Field Activity Report

Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

PIKA Project Manager: Corey Woods			Date:	Date: 8/11/08			
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott			
WEATHER: Partly cloudy			ТЕМ	TEMPERATURE: High: 79 Low: 51			
SITE CONDITIONS: Good			Healt specif	Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site.			
GENERAL R	EMARKS – Plan of the Day (PC)D):					
Commence	Kick out /Transect Investig	ation					
		,					
PERSONN	EL ON-SITE						
Number	Name	Position	Hours	EMPLOYER	DATE		
1	Dewey Thedford	SUXOS	10	PIKA	8/11/08		
2	John Reott	SSHO/QC	10	PIKA	8/11/08		
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	8/11/08		
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	8/11/08		
5	John Clifford	Tech 2	10	PIKA	8/11/08		
6	Joel Pullem	Tech 2	10	PIKA	8/11/08		
7	Thomas Holland	Tech 1	10	PIKA	8/11/08		
8	Dennis Anaya	Tech 1	10	PIKA	8/11/08		
9	Michael Bradford	Tech 1	10	PIKA	8/11/08		
10							
11							
12							
13							
14							
15							
16							
17 18							
18							
20							
20							
Total work hou	urs on this job this date	I	90	Were there any loss time accidents this dat	te?		
	tal of work hours from previous re	port	2290	Yes No			
Total work hou	urs from start of project		2380	If yes, attach summary of incident or OSHA report			
HEAVY E	QUIPMENT ON-SITE: (t	ype, model, source [rental	l/own], su	bcontractor owned/operated)			
1	N/A						



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

0630 – Task Order and safety meeting at office 0700 – Gear set-up for Kick-out Investigation 0730 – Teams investigating routes into work areas
0900 – Downloaded data into Trimble Handhelds 1200 – Break for lunch 1230 – Return to work 1300 – Kickoff meeting at Bldg 31 with Zuni and Navaho Tribal representatives, Cory Woods, Paul Hanneman 1530 – Meeting adjourned 1600 – Team meeting for pre-operational issues 1700 – Secure for the day Transects Completed: <u>00</u> Transects to Date: <u>00</u>
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Grids QC checked: 00 Grids QA checked: 00
Total Grids: 00 Total Grids: 00
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope:
Proposed Change(s):
Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Start Kick out investigations
NOTES/COMMENTS
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)
STIL VISITORS. (Ivalle, The, Reason for Visit, Trained on HST.)



PIKA International, Inc. Daily Field Activity Report

Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

OTHER REMARKS

USACOE Safety/Slappy Harmon on site

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

(happend)

SIGNATURE:

DATE:8/11/08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods			Date:	Date: 8/12/08				
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott				
WEATHER: Partly cloudy			TEM	TEMPERATURE: High: 83 Low: 53				
SITE CONDITIONS: Good				Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site.				
GENERAL R	GENERAL REMARKS – Plan of the Day (POD):							
Commence Kick out /Transect Investigation								
PERSONN	EL ON-SITE	Γ		L	1			
Number	Name	Position	Hours	EMPLOYER	DATE			
1	Dewey Thedford	SUXOS	10	PIKA	8/12/08			
2	John Reott	SSHO/QC	10	PIKA	8/12/08			
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	8/12/08			
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	8/12/08			
5	John Clifford	Tech 2	10	PIKA	8/12/08			
6	Joel Pullem	Tech 2	10	PIKA	8/12/08			
7	Thomas Holland	Tech 1	10	PIKA	8/12/08			
8	Dennis Anaya	Tech 1	10	PIKA	8/12/08			
9	Michael Bradford	Tech 1	10	PIKA	8/12/08			
10	Genevieve Pino	Archaeologist	10	Navaho Tribes	8/12/08			
11	Eugene Bowkaty	Archaeologist	10	Zuni Tribes	8/12/08			
12								
13								
14								
15								
16								
17								
18								
19								
20								
Total work hours on this job this date 110 Were there any loss time accidents this date?					e?			
-			2380	Yes No				
	ars from start of project		2490					
HEAVY E	A V	e, model, source [renta		bcontractor owned/operated)				



Project Name: Kick out Investigation

WORK PERFORMED TODAY							
0630 – Task Order and safety meeting at office							
0645 – Checking instruments							
0700 – Teams departing for field							
0800 – Start Kick-out investigations							
1200 – Break for lunch							
1230 – Return to work							
1300 – Kickoff meeting at Bldg 31 with Zuni and Navaho Tribal representatives, Cory Woods, Paul Hanneman							
1530 – Meeting adjourned							
1600 – Team meeting for pre-operational issues							
1700 – Secure for the day							
Transects Completed: 00							
Transects to Date: 00							
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED							
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS							
UNFORESEEN SITE CONDITIONS AND/OR TOTENTIAL I ROBLEMIS							
QA/QC INSPECTION RESULTS AND COMMENTS							
Grids QC checked: $\underline{00}$ Grids QA checked: $\underline{00}$							
Total Grids: 00 Total Grids: 00							
SAFETY INSPECTION RESULTS AND COMMENTS							
SAFETTINSLECTION RESULTS AND COMMENTS							
CHANGE ORDER(S): NA							
Original Scope:							
Proposed Change(s):							
Rational for Change(s):							
Approved by:							
COMING WORK PREPARATIONS AND ARRANGEMENTS							
Start Kick out investigations							
NOTES/COMMENTS							
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)							
Gerald Stone/PIKA PM							



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

OTHER REMARKS

USACOE Safety/Slappy Harmon on site

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

(happend)

SIGNATURE:

DATE:8/12/08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods			Date:	Date: 8/13/08			
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott			
WEATHER: Partly cloudy			TEM	TEMPERATURE: High: 84 Low: 50			
SITE CONDITIONS: Good				Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site.			
GENERAL REMARKS – Plan of the Day (POD):							
Continue K	ick out /Transect Investigation						
Continue IX	lek out/ mulseet myesuguton						
PERSONN	EL ON-SITE						
Number	Name	Position	Hours	EMPLOYER	DATE		
Number 1	Dewey Thedford	SUXOS	10	PIKA	8/13/08		
2	John Reott	SSHO/QC	10	PIKA	8/13/08		
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	8/13/08		
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	8/13/08		
5	John Clifford	Tech 2	10	PIKA	8/13/08		
6	Joel Pullem	Tech 2	10	PIKA	8/13/08		
7	Thomas Holland	Tech 1	10	PIKA	8/13/08		
8	Dennis Anaya	Tech 1	10	PIKA	8/13/08		
9	Michael Bradford	Tech 1	10	PIKA	8/13/08		
10	Geneneve Pino	Archeologist	10	Navaho Tribes	8/13/08		
10	Eugene Bowekaty	Archeologist	10	Zuni Tribes	8/13/08		
12			-				
13							
14							
15							
16							
17							
18							
19							
20							
			110				
·				Were there any loss time accidents this date?			
	Cumulative total of work hours from previous report			Yes No			
Total work hours from start of project 260 HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own				If yes, attach summary of incident or OSHA report			
	-	, model, source [renta	vownj, su	incontractor owned/operated)			
1	N/A						



WORK PERFORMED TODAY
0630 – Task Order and safety meeting at office 0645 – Checking instruments 0700 – Teams departing for field 0800 – Start Kick-out investigations 0830 – Start Igloo/ATF pre- Audit 0930 – Complete Audit 1200 – Break for lunch 1230 – Return to work 1700 – Secure for the day Transects Completed: 22 Transects to Date: 22
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Grids QC checked: 00 Grids QA checked: 00
Total Grids: 00 Total Grids: 00
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope:
Proposed Change(s):
Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out investigations
NOTES/COMMENTS
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)
Gerald Stone/PIKA PM
Rick Holthouser/PIKA Ammo Mgr



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

OTHER REMARKS

USACOE Safety/Slappy Harmon on site

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

(happend)

SIGNATURE:

DATE:8/13/08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods			Date:	Date: 8/14/08				
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott				
WEATHER: Partly cloudy			TEM	TEMPERATURE: High: 84 Low: 51				
SITE CONDITIONS: Good				Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site.				
GENERAL R	GENERAL REMARKS – Plan of the Day (POD):							
Continue K	tick out /Transect Investigation							
Continue II	lick out / Hunseet myesugaton	·						
PERSONN	EL ON-SITE							
Number	Name	Position	Hours	EMPLOYER	DATE			
1	Dewey Thedford	SUXOS	10	PIKA	8/14/08			
2	John Reott	SSHO/QC	10	PIKA	8/14/08			
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	8/14/08			
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	8/14/08			
5	John Clifford	Tech 2	10	PIKA	8/14/08			
6	Joel Pullem	Tech 2	10	PIKA	8/14/08			
7	Thomas Holland	Tech 1	10	PIKA	8/14/08			
8	Dennis Anaya	Tech 1	10	PIKA	8/14/08			
9	Michael Bradford	Tech 1	10	PIKA	8/14/08			
10	Geneneve Pino	Archeologist	10	Navaho Tribes	8/14/08			
11	Eugene Bowekaty	Archeologist	10	Zuni Tribes	8/14/08			
12								
13								
14								
15								
16								
17								
18								
19								
20								
			110					
· · · · · · · · · · · · · · · · · · ·				Were there any loss time accidents this date?				
	Cumulative total of work hours from previous report			Yes No				
	urs from start of project QUIPMENT ON-SITE: (type	e, model, source [renta	2710 [/own], su	If yes, attach summary of incident or OSHA bcontractor owned/operated)	а тероп			
1	N/A							



WORK PERFORMED TODAY						
0630 – Task Order and safety meeting at office						
0645 – Checking instruments						
0700 – Teams departing for field						
0800 – Start Kick-out investigations						
0830 – Start Igloo/ATF pre- Audit						
0930 – Complete Audit						
1200 – Break for lunch						
1230 – Return to work						
1530 – Return to office						
1600 – Start vehicle/equipment maintenance						
1700 – Secure for the day						
Transects Completed: <u>41</u>						
Transects to Date: $\overline{63}$						
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED						
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS						
QA/QC INSPECTION RESULTS AND COMMENTS						
Grids QC checked: 00 Grids QA checked: 00						
Total Grids: 00 Total Grids: 00						
SAFETY INSPECTION RESULTS AND COMMENTS						
CHANGE ORDER(S): NA						
Original Scope:						
Proposed Change(s):						
Rational for Change(s):						
Approved by:						
COMING WORK PREPARATIONS AND ARRANGEMENTS						
Continue Kick out investigations						
NOTES/COMMENTS						
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)						



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

OTHER REMARKS

USACOE Safety/Slappy Harmon on site

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

(happend)

SIGNATURE:

DATE:8/14/08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods			Date:	Date: 8/18/08			
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott			
WEATHER: Partly cloudy			TEM	TEMPERATURE: High: 81 Low: 47			
SITE CONDITIONS: Good				Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site.			
GENERAL REMARKS – Plan of the Day (POD):							
Continue K	tick out /Transect Investigation	1					
Continue II	lick out / Hunseet myesugaton						
PERSONN	EL ON-SITE						
		D 11					
Number 1	Name Dewey Thedford	Position SUXOS	Hours 10	EMPLOYER PIKA	DATE 8/18/08		
2	John Reott	SUXUS SSHO/QC	10	PIKA PIKA	8/18/08		
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA PIKA	8/18/08		
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	8/18/08		
5	John Clifford	Tech 2	10	PIKA	8/18/08		
6	Joel Pullem	Tech 2	10	PIKA	8/18/08		
7	Thomas Holland	Tech 1	10	PIKA	8/18/08		
8	Dennis Anaya	Tech 1	10	PIKA	8/18/08		
9	Michael Bradford	Tech 1	10	PIKA	8/18/08		
9 10	Geneneve Pino	Archeologist	10	Navaho Tribes	8/18/08		
10	Eugene Bowekaty	Archeologist	10	Zuni Tribes	8/18/08		
12					0,20,00		
13							
14							
15							
16							
17							
18							
19							
20							
			110	Were there any loss time accidents this date?			
· · ·			2710 2820	Yes No			
Total work hours from start of project 2 HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/ow				If yes, attach summary of incident or OSHA	A report		
		e, model, source [renta	vownj, su	idcontractor owned/operated)			
1	N/A						



WORK PERFORMED TODAY
WORK PERFORMED TODAY 0630 – Task Order and safety meeting at office 0645 – Checking instruments 0700 – Teams departing for field 0800 – Start Kick-out investigations 1200 – Break for lunch 1230 – Return to work 1600 – Return to Office 1700 – Secure for the day Transects Completed: 46 Transects to Date: 109
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Grids QC checked: $\underline{00}$ Grids QA checked: $\underline{00}$
Total Grids:00Total Grids:00
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope: Proposed Change(s):
Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out investigations
Continue Rick out investigations
NOTES/COMMENTS
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

OTHER REMARKS

USACOE Safety/Slappy Harmon on site

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

(happend)

SIGNATURE:

DATE:8/18/08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods			Date:	Date: 8/19/08				
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott				
WEATHER: Sunny			TEM	TEMPERATURE: High: 83 Low: 51				
SITE CONDITIONS: Good				Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site.				
GENERAL R	GENERAL REMARKS – Plan of the Day (POD):							
Continue K	Tick out /Transect Investigation	1						
continue n	liek out / Hunseet Investigation	1						
PERSONN	EL ON-SITE							
Number	Name	Position	Hours	EMPLOYER	DATE			
1	Dewey Thedford	SUXOS	10	PIKA	8/19/08			
2	John Reott	SSHO/QC	10	PIKA	8/19/08			
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	8/19/08			
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	8/19/08			
5	John Clifford	Tech 2	10	PIKA	8/19/08			
6	Joel Pullem	Tech 2	10	PIKA	8/19/08			
7	Thomas Holland	Tech 1	10	PIKA	8/19/08			
8	Dennis Anaya	Tech 1	10	PIKA	8/19/08			
9	Michael Bradford	Tech 1	10	PIKA	8/19/08			
10	Geneneve Pino	Archeologist	10	Navaho Tribes	8/19/08			
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Total work boy	I urs on this ioh this data		100	Were there any loss time accidents this date	.9			
			2820	Yes No				
* *			2020					
	HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own], subcontractor owned/operated)							
N/A								



	DDAY							
0630 - Task Order and sa	fety meeting at office							
0645 – Checking instrume								
0700 – Teams departing for field								
0800 – Start Kick-out investigations								
0900 – Depauli Surveyors onsite to walk arroyo								
	1130 – Surveyors completed arroyo walk							
1200 – Break for lunch	ica arroyo waik							
1230 - Return to work								
1230 = Return to Work 1600 – Return to Office								
1700 – Secure for the day								
Turnet Complete I								
1								
Transects to Date: 14	<u>49</u>							
VERBAL OR WRITTE	IN INSTRUCTIONS GIVEN OR RECEIVED							
UNFORESEEN SITE C	CONDITIONS AND/OR POTENTIAL PROBLEMS							
OA/OC INSPECTION I	RESULTS AND COMMENTS							
Grids QC checked: $\underline{00}$								
Total Grids: <u>00</u>	Total Grids: <u>00</u>							
SAFETY INSPECTION	NRESULTS AND COMMENTS							
CHANGE ORDER(S):	NA							
Original Scope:								
Proposed Change(s):								
Rational for Change(s):								
Approved by:								
COMING WORK PRF	PARATILINN AND ARRANCHIMENTS							
	PARATIONS AND ARRANGEMENTS							
COMING WORK PREI Continue Kick out investi								
Continue Kick out investi								
Continue Kick out investi NOTES/COMMENTS	igations							
Continue Kick out investi	igations							
Continue Kick out investi NOTES/COMMENTS	igations							
Continue Kick out investi NOTES/COMMENTS Eugene Bowekaty not on	igations site today.							
Continue Kick out investi NOTES/COMMENTS Eugene Bowekaty not on SITE VISITORS: (Nam	igations site today. re, Title, Reason for visit, Trained on HSP?)							
Continue Kick out investi NOTES/COMMENTS Eugene Bowekaty not on	igations site today. re, Title, Reason for visit, Trained on HSP?)							
Continue Kick out investi NOTES/COMMENTS Eugene Bowekaty not on SITE VISITORS: (Nam	igations site today. re, Title, Reason for visit, Trained on HSP?)							
Continue Kick out investi NOTES/COMMENTS Eugene Bowekaty not on SITE VISITORS: (Nam	igations site today. re, Title, Reason for visit, Trained on HSP?)							



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

OTHER REMARKS

USACOE Safety/Slappy Harmon on site

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

(happend)

SIGNATURE:

DATE:8/19/08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods			Date:	Date: 8/20/08			
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott			
WEATHER: Partly Cloudy			TEM	TEMPERATURE: High: 81 Low: 51			
SITE CONDITIONS: Good				Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site.			
GENERAL R	GENERAL REMARKS – Plan of the Day (POD):						
Continue K	tick out /Transect Investigation	N					
Continue N	liek out / Hanseet investigation	L					
PERSONN	EL ON-SITE						
Number	Name	Position	Hours	EMPLOYER	DATE		
1	Dewey Thedford	SUXOS	10	PIKA	8/20/08		
2	John Reott	SSHO/QC	10	PIKA	8/20/08		
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	8/20/08		
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	8/20/08		
5	John Clifford	Tech 2	10	PIKA	8/20/08		
6	Joel Pullem	Tech 2	10	PIKA	8/20/08		
7	Thomas Holland	Tech 1	10	PIKA	8/20/08		
8	Dennis Anaya	Tech 1	10	PIKA	8/20/08		
9	Michael Bradford	Tech 1	10	PIKA	8/20/08		
10	Geneneve Pino	Archeologist	10	Navaho Tribes	8/20/08		
11		U					
12							
13							
14							
15							
16							
17							
18							
19							
20							
T 1 11			100		0		
Y			100	Were there any loss time accidents this date? Yes No			
	al of work hours from previous report		2920 3020				
HEAVY E	urs from start of project QUIPMENT ON-SITE: (type V/A	e, model, source [renta		If yes, attach summary of incident or OSHA bcontractor owned/operated)	τιεροπ		
1	VA						



WORK PERFORMED TODAY				
 0630 - Task Order and safety meeting at office 0645 - Checking instruments 0700 - Teams departed for field 1200 - Break for lunch 1230 - Return to work 1630 - Teams return to Office 1700 - Secure for the day Transects Completed: <u>64</u> Transects to Date: <u>213</u>				
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED				
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS				
QA/QC INSPECTION RESULTS AND COMMENTS				
Grids QC checked: $\underline{00}$ Grids QA checked: $\underline{00}$				
Total Grids:00Total Grids:00				
SAFETY INSPECTION RESULTS AND COMMENTS				
CHANGE ORDER(S): NA				
Original Scope:				
Proposed Change(s):				
Rational for Change(s):				
Approved by:				
COMING WORK PREPARATIONS AND ARRANGEMENTS				
Continue Kick out investigations				
NOTES/COMMENTS				
Eugene Bowekaty not on site today. He did not call or show up.				
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)				
OTHER REMARKS				
USACOE Safety/Slappy Harmon on site				



Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

ball acrow

SIGNATURE:

DATE:8/20/08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods			Date:	Date: 8/21/08		
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER: Partly Cloudy			TEM	PERATURE: High: 81 Low	: 51	
SITE CONDITIONS: Good				th & Safety: Detailed safety brief before fic task/hazardous review at the site.	re leaving office, site	
GENERAL R	EMARKS – Plan of the Day (POD)	:				
Continue K	Lick out /Transect Investigatio	n				
PERSONN	EL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	8/21/08	
2	John Reott	SSHO/QC	10	PIKA	8/21/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	8/21/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	8/21/08	
5	John Clifford	Tech 2	10	PIKA	8/21/08	
6	Joel Pullem	Tech 2	10	PIKA	8/21/08	
7	Thomas Holland	Tech 1	10	PIKA	8/21/08	
8	Dennis Anaya	Tech 1	10	PIKA	8/21/08	
9	Michael Bradford	Tech 1	10	PIKA	8/21/08	
10	Geneneve Pino	Archeologist	10	Navaho Tribes	8/21/08	
10	Eugene Bowekaty	Archeologist	10	Zuni Tribes	8/21/08	
12						
13						
14						
15						
16						
17						
18						
19						
20						
Total work hours on this job this date 110 Were there any loss time accidents this date?					te?	
			3020	Yes No		
	ars from start of project		3130			
HEAVY E	1 7	e, model, source [renta]		bcontractor owned/operated)	•	



WORK PERFORMED TODAY
0630 – Task Order and safety meeting at office
0645 – Checking instruments
0700 – Teams departed for field
1200 – Break for lunch
1230 – Return to work
1600 – Teams return to Office
1605 – Teams conducting vehicle/equipment maintenance
1700 – Secure for the day
Transects Completed: <u>56</u>
Transects to Date: <u>269</u>
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Grids QC checked: $\underline{00}$ Grids QA checked: $\underline{00}$
Total Grids:00Total Grids:00
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope:
Proposed Change(s):
Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out investigations
NOTES/COMMENTS
Eugene Bowekaty returned to work today.
Eugene Dowekaty fetunied to work today.
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)
OTHER REMARKS



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

USACOE Safety/Slappy Harmon on site

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

Abert Segard

SIGNATURE:

DATE:8/21/08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods			Date:	Date: 8/27/08		
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER: Partly Cloudy			TEM	PERATURE: High: 79 Low	: 50	
SITE CONDITIONS: Good				th & Safety: Detailed safety brief before fic task/hazardous review at the site.	re leaving office, site	
GENERAL R	EMARKS – Plan of the Day (POD):				
* Continue	Kick out /Transect Investiga	tion				
PERSONN	EL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	8/27/08	
2	John Reott	SSHO/QC	10	PIKA	8/27/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	8/27/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	8/27/08	
5	John Clifford	Tech 2	10	PIKA	8/27/08	
6	Joel Pullem	Tech 2	10	PIKA	8/27/08	
7	Thomas Holland	Tech 1	10	PIKA	8/27/08	
8	Dennis Anaya	Tech 1	10	PIKA	8/27/08	
9	Michael Bradford	Tech 1	10	PIKA	8/27/08	
10	Michael Ahmu	Tech 1	10	PIKA	8/27/08	
11	Geneneve Pino	Archeologist	10	Navaho Tribes	8/27/08	
12	Eugene Bowekaty	Archeologist	10	Zuni Tribes	8/27/08	
13						
14						
15						
16						
17						
18						
19						
20						
Total work hours on this job this date				Were there any loss time accidents this dat	e?	
			120 3370	Yes No		
			3490			
HEAVY E	* *	pe, model, source [renta		bcontractor owned/operated)		



WORK PERFORMED TODAY					
 0630 - Task Order and safety meeting at office 0645 - Checking instruments 0700 - Teams departed for field 0845 - DePauli Surveyors on site to survey arroyo for grid system 1200 - Break for lunch 1230 - Return to work 1530 - DePauli Surveyors completed arroyo survey. Will have data for review after Labor Day. 1630 - Teams return to Office 1700 - Secure for the day Transects Completed: <u>34</u> Transects to Date: <u>410</u> 					
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED					
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS					
QA/QC INSPECTION RESULTS AND COMMENTS					
$\begin{array}{c} \text{Grids QC checked:} \underline{00} \qquad \qquad \text{Grids QA checked:} \underline{00} \end{array}$					
Total Grids: 00 Total Grids: 00					
SAFETY INSPECTION RESULTS AND COMMENTS					
CHANGE ORDER(S): NA					
Original Scope:					
Proposed Change(s):					
Rational for Change(s):					
Approved by:					
COMING WORK PREPARATIONS AND ARRANGEMENTS					
Continue Kick out investigations					
NOTES/COMMENTS					
NOTES/COMMENTS					
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?) Marc DePauli/Surveyor/ Arroyo Survey/Yes					
Jason Irvine/Surveyor/Arroyo survey/Yes					
Virgil Hudson/Surveyor/Arroyo survey/Yes					



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

OTHER REMARKS

USACOE Safety/Slappy Harmon on site

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

(happend)

SIGNATURE:

DATE:8/27/08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods			Date:	Date: 8/28/08			
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott			
WEATHER: Partly Cloudy			TEM	PERATURE: High: 79 Low	:: 50		
SITE CONDITIONS: Good				th & Safety: Detailed safety brief befo fic task/hazardous review at the site.	re leaving office, site		
GENERAL R	EMARKS – Plan of the Day (POI	D):					
* Continue	Kick out /Transect Investiga	tion					
PERSONN	EL ON-SITE						
Number	Name	Position	Hours	EMPLOYER	DATE		
Number 1	Dewey Thedford	SUXOS	10	PIKA	8/28/08		
2	John Reott	SSHO/QC	10	PIKA	8/28/08		
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	8/28/08		
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	8/28/08		
5	John Clifford	Tech 2	10	PIKA	8/28/08		
6	Joel Pullem	Tech 2	10	PIKA	8/28/08		
7	Thomas Holland	Tech 1	10	PIKA	8/28/08		
8	Dennis Anaya	Tech 1	10	PIKA	8/28/08		
9	Michael Bradford	Tech 1	10	PIKA	8/28/08		
10	Michael Ahmu	Tech 1	10	PIKA	8/28/08		
10	Geneneve Pino	Archeologist	10	Navaho Tribes	8/28/08		
12	Eugene Bowekaty	Archeologist	10	Zuni Tribes	8/28/08		
13		Ũ					
14							
15							
16							
17							
w18							
19							
20							
Total work hours on this job this date 120 Were there any loss t				Were there any loss time accidents this da	te?		
			3490	Yes No			
				3610 If yes, attach summary of incident or OSHA report			
HEAVY E		pe, model, source [renta		bcontractor owned/operated)			



WORK PERFORMED TODAY
0630 - Task Order and safety meeting at office0645 - Checking instruments0700 - Teams departed for field1200 - Break for lunch1230 - Return to work1530 - Return to the office1600 - Teams return to Office1615 - Teams conducting maintenance on vehicles and equipment1700 - Secure for the dayTransects Completed:24Transects to Date:434
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Grids QC checked: 00 Grids QA checked: 00
Total Grids: <u>00</u> Total Grids: <u>00</u>
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope:
Proposed Change(s):
Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out investigations
NOTES/COMMENTS
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)
SITE VISITORS: (IVallie, Thie, Reason for Visit, Trailieu oli HSP?)



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

OTHER REMARKS

USACOE Safety/Slappy Harmon on site

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

(happend)

SIGNATURE:

DATE:8/28/08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods			Date:	Date: 9/3/2008		
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER: Partly Cloudy			TEM	PERATURE: High: 779 Low	v: 48	
SITE CONDITIONS: Good				th & Safety: Detailed safety brief before fic task/hazardous review at the site.	re leaving office, site	
GENERAL R	EMARKS – Plan of the Day (POI	D):				
* Continue	Kick out /Transect Investiga	tion				
PERSONN	EL ON-SITE	-				
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	9/3/08	
2	John Reott	SSHO/QC	10	PIKA	9/3/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/3/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/3/08	
5	John Clifford	Tech 2	10	PIKA	9/3/08	
6	Joel Pullem	Tech 2	10	PIKA	9/3/08	
7	Thomas Holland	Tech 1	10	PIKA	9/3/08	
8	Dennis Anaya	Tech 1	10	PIKA	9/3/08	
9	Michael Bradford	Tech 1	10	PIKA	9/3/08	
10	Michael Ahmu	Tech 1	10	PIKA	9/3/08	
11	Geneneve Pino	Archeologist	10	Navaho Tribes	9/3/08	
12	Eugene Bowekaty	Archeologist	10	Zuni Tribes	9/3/08	
13						
14						
15						
16						
17						
w18						
19						
20						
Total work hou	urs on this job this date	1	120	Were there any loss time accidents this dat	e?	
			3610	Yes No		
			3730	If yes, attach summary of incident or OSH		
HEAVY E		pe, model, source [renta	l/own], su	bcontractor owned/operated)		



WORK PERFORMED TODAY
0630 - Task Order and safety meeting at office $0645 - Checking instruments$ $0700 - Teams$ departed for field $1200 - Break$ for lunch $1230 - Return to work$ $1630 - Return to the office$ $1700 - Secure$ for the dayTransects Completed: 36 Transects to Date: 470
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Grids QC checked: 00 Grids QA checked: 00
Total Grids: 00 Total Grids: 00
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope:
Proposed Change(s):
Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out investigations
NOTES/COMMENTS
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

(happend)

SIGNATURE:

DATE:9/3//08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods			Date:	Date: 9/4/2008		
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER: Sunny			TEM	PERATURE: High: 79 Low	: 50	
SITE CONDITIONS: Good				th & Safety: Detailed safety brief before fic task/hazardous review at the site.	re leaving office, site	
GENERAL R	EMARKS – Plan of the Day (PO	D):				
* Continue	Kick out /Transect Investiga	ation				
PERSONN	EL ON-SITE			-		
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	9/4/08	
2	John Reott	SSHO/QC	10	PIKA	9/4/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/4/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/4/08	
5	John Clifford	Tech 2	10	PIKA	9/4/08	
6	Joel Pullem	Tech 2	10	PIKA	9/4/08	
7	Thomas Holland	Tech 1	10	PIKA	9/4/08	
8	Dennis Anaya	Tech 1	10	PIKA	9/4/08	
9	Michael Bradford	Tech 1	10	PIKA	9/4/08	
10	Michael Ahmu	Tech 1	10	PIKA	9/4/08	
11	Geneneve Pino	Archeologist	10	Navaho Tribes	9/4/08	
12	Eugene Bowekaty	Archeologist	10	Zuni Tribes	9/4/08	
13						
14						
15						
16						
17						
w18						
19						
20						
Total work hours on this job this date				Were there any loss time accidents this date?		
	al of work hours from previous rep	ort	3730	Yes No		
Total work hou				0 If yes, attach summary of incident or OSHA report		
HEAVY E	HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own], subcontractor owned/operated) N/A					



WORK PERFORMED TODAY
0630 – Task Order and safety meeting at office0645 – Checking instruments0700 – Teams departed for field1200 – Break for lunch1230 – Return to work1630 – Return to the office1700 – Secure for the dayTransects Completed:38Transects to Date:508
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
$\begin{array}{c} \text{Grids QC checked:} \underline{00} \\ \text{Grids QA checked:} \underline{00} \\ \end{array}$
Total Grids: <u>00</u> Total Grids:
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope:
Proposed Change(s):
Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out investigations
NOTES/COMMENTS
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

(happend)

SIGNATURE:

DATE:9/4//08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods			Date:	Date: 9/4/2008			
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott			
WEATHER: Sunny			TEM	TEMPERATURE: High: 81 Low: 49			
SITE CONDITIONS: Good				th & Safety: Detailed safety brief before fic task/hazardous review at the site.	re leaving office, site		
GENERAL R	EMARKS – Plan of the Day (POI	D):					
* Continue	Kick out /Transect Investiga	tion					
PERSONN	EL ON-SITE						
Number	Name	Position	Hours	EMPLOYER	DATE		
1	Dewey Thedford	SUXOS	10	PIKA	9/5/08		
2	John Reott	SSHO/QC	10	PIKA	9/5/08		
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/5/08		
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/5/08		
5	John Clifford	Tech 2	10	PIKA	9/5/08		
6	Joel Pullem	Tech 2	10	PIKA	9/5/08		
7	Thomas Holland	Tech 1	10	PIKA	9/5/08		
8	Dennis Anaya	Tech 1	10	PIKA	9/5/08		
9	Michael Bradford	Tech 1	10	PIKA	9/5/08		
10	Michael Ahmu	Tech 1	10	PIKA	9/5/08		
11	Geneneve Pino	Archeologist	10	Navaho Tribes	9/5/08		
12	Eugene Bowekaty	Archeologist	10	Zuni Tribes	9/5/08		
13							
14							
15							
16							
17							
w18							
19							
20							
Total work hours on this job this date				Were there any loss time accidents this dat	e?		
ř – – – – – – – – – – – – – – – – – – –			3850	Yes No			
Total work hou	ars from start of project		3970				
HEAVY E		pe, model, source [renta	l/own], su	bcontractor owned/operated)			



WORK PERFORMED TODAY
 0630 - Task Order and safety meeting at office 0645 - Checking instruments 0700 - Teams departed for field 1200 - Break for lunch 1230 - Return to work 1630 - Return to the office 1700 - Secure for the day Transects Completed: <u>53</u>
Transects to Date: <u>561</u>
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
$\begin{array}{c} Grids QC checked: \underline{00} \\ Grids QA checked: \underline{00} \\ \end{array}$
Total Grids: 00 Total Grids: 00
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA Original Scope:
Proposed Change(s):
Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out investigations
NOTES/COMMENTS
SITE VISITODS: (Nome Title Desson for visit Trained on USP9)
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

(happend)

SIGNATURE:

DATE:9/5//08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods			Date:	Date: 9/8/2008			
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott			
WEATHER: Sunny			TEM	TEMPERATURE: High: 80 Low: 51			
SITE CONDITIONS: Good				Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site.			
GENERAL R	GENERAL REMARKS – Plan of the Day (POD):						
* Continue	Kick out /Transect Investiga	ation					
PERSONN	EL ON-SITE						
Number	Name	Position	Hours	EMPLOYER	DATE		
1	Dewey Thedford	SUXOS	10	PIKA	9/8/08		
2	John Reott	SSHO/QC	10	PIKA	9/8/08		
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/8/08		
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/8/08		
5	John Clifford	Tech 2	10	PIKA	9/8/08		
6	Joel Pullem	Tech 2	10	PIKA	9/8/08		
7	Thomas Holland	Tech 1	10	PIKA	9/8/08		
8	Dennis Anaya	Tech 1	10	PIKA	9/8/08		
9	Michael Bradford	Tech 1	10	PIKA	9/8/08		
10	Michael Ahmu	Tech 1	10	PIKA	9/8/08		
11	Geneneve Pino	Archeologist	10	Navaho Tribes	9/8/08		
12	Eugene Bowekaty	Archeologist	0	Zuni Tribes	9/8/08		
13							
14							
15							
16							
17							
w18							
19							
20							
Total work hours on this job this date 110 Were there any loss time accidents this date?					e?		
÷			3970	Yes No			
Total work hours from start of project 4080 If yes, attach summary of incident or OSHA report							
HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own], subcontractor owned/operated) N/A							



0630 - Task Order and safety meeting at office 0645 - Checking instruments 0700 - Teams departed for field 1200 - Break for lunch 1230 - Return to work 1530 - Return to the office 1700 - Secure for the day Transects Completed: 32 Transects to Date: 593 VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS QA/QC INSPECTION RESULTS AND COMMENTS Grids QC checked: 00 Grids QC checked: 00 Grids QC checked: 00 Total Grids: 00 SAFETY INSPECTION RESULTS AND COMMENTS CILANGE ORDER(S): NA Original Scope: Proposed Change(s): Rational for Change(s): Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS Continue Kick out investigations NOTES/COMMENTS USACOE Safety Representative/Harmon Slappy not on site. Will return tomorrow.				
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS QA/QC INSPECTION RESULTS AND COMMENTS Grids QC checked: 00 Grids QA checked: 00 Total Grids: 00 Total Grids: 00 Total Grids: 00 Total Grids: 00 COMMENTS SAFETY INSPECTION RESULTS AND COMMENTS CHANGE ORDER(S): NA Original Scope: Proposed Change(s): Rational for Change(s): Rational for Change(s): Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS Continue Kick out investigations NOTES/COMMENTS				
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS QA/QC INSPECTION RESULTS AND COMMENTS Grids QC checked: 00 Grids QA checked: 00 Total Grids: 00 Total Grids: 00 SAFETY INSPECTION RESULTS AND COMMENTS CHANGE ORDER(S): NA Original Scope: Proposed Change(s): Rational for Change(s): Rational for Change(s): Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS Continue Kick out investigations NOTES/COMMENTS				
QA/QC INSPECTION RESULTS AND COMMENTS Grids QC checked: <u>00</u> Total Grids: <u>00</u> Total Grids: <u>00</u> SAFETY INSPECTION RESULTS AND COMMENTS CHANGE ORDER(S): NA Original Scope: Proposed Change(s): Rational for Change(s): Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS NOTES/COMMENTS				
QA/QC INSPECTION RESULTS AND COMMENTS Grids QC checked: <u>00</u> Total Grids: <u>00</u> Total Grids: <u>00</u> SAFETY INSPECTION RESULTS AND COMMENTS CHANGE ORDER(S): NA Original Scope: Proposed Change(s): Rational for Change(s): Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS Continue Kick out investigations MOTES/COMMENTS				
Grids QC checked: 00 Grids QA checked: 00 Total Grids: 00 Total Grids: 00 SAFETY INSPECTION RESULTS AND COMMENTS CHANGE ORDER(S): NA Original Scope: Proposed Change(s): Rational for Change(s): Rational for Change(s): Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS Continue Kick out investigations NOTES/COMMENTS				
Grids QC checked: 00 Grids QA checked: 00 Total Grids: 00 Total Grids: 00 SAFETY INSPECTION RESULTS AND COMMENTS CHANGE ORDER(S): NA Original Scope: Proposed Change(s): Rational for Change(s): Rational for Change(s): Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS Continue Kick out investigations NOTES/COMMENTS				
Grids QC checked: 00 Grids QA checked: 00 Total Grids: 00 Total Grids: 00 SAFETY INSPECTION RESULTS AND COMMENTS CHANGE ORDER(S): NA Original Scope: Proposed Change(s): Rational for Change(s): Rational for Change(s): Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS Continue Kick out investigations NOTES/COMMENTS				
Total Grids: 00 Total Grids: 00 SAFETY INSPECTION RESULTS AND COMMENTS SAFETY INSPECTION RESULTS AND COMMENTS CHANGE ORDER(S): NA Original Scope: Proposed Change(s): Rational for Change(s): Rational for Change(s): Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS Continue Kick out investigations NOTES/COMMENTS				
CHANGE ORDER(S): NA Original Scope: Proposed Change(s): Rational for Change(s): Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS Continue Kick out investigations NOTES/COMMENTS				
CHANGE ORDER(S): NA Original Scope: Proposed Change(s): Rational for Change(s): Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS Continue Kick out investigations NOTES/COMMENTS				
CHANGE ORDER(S): NA Original Scope: Proposed Change(s): Rational for Change(s): Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS Continue Kick out investigations NOTES/COMMENTS				
Original Scope: Proposed Change(s): Rational for Change(s): Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS Continue Kick out investigations NOTES/COMMENTS				
Original Scope: Proposed Change(s): Rational for Change(s): Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS Continue Kick out investigations NOTES/COMMENTS				
Proposed Change(s): Rational for Change(s): Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS Continue Kick out investigations NOTES/COMMENTS				
Rational for Change(s): Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS Continue Kick out investigations NOTES/COMMENTS				
Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS Continue Kick out investigations NOTES/COMMENTS				
Continue Kick out investigations NOTES/COMMENTS				
Continue Kick out investigations NOTES/COMMENTS				
NOTES/COMMENTS				
USACOE Safety Representative/Harmon Slappy not on site. Will return tomorrow.				
Eugene Bowekaty not on site today. He did not notify us that he would not be here today.				
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)				



Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

(happend)

SIGNATURE:

DATE:9/8//08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods			Date:	Date: 9/9/2008		
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER: Sunny			TEM	TEMPERATURE: High: 72 Low: 45		
SITE CONDITIONS: Good				Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site.		
GENERAL R	EMARKS – Plan of the Day (POI	D):				
* Continue	Kick out /Transect Investiga	ution				
PERSONN	EL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	9/9/08	
2	John Reott	SSHO/QC	10	PIKA	9/9/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/9/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/9/08	
5	John Clifford	Tech 2	10	PIKA	9/9/08	
6	Joel Pullem	Tech 2	10	PIKA	9/9/08	
7	Thomas Holland	Tech 1	10	PIKA	9/9/08	
8	Dennis Anaya	Tech 1	10	PIKA	9/9/08	
9	Michael Bradford	Tech 1	10	PIKA	9/9/08	
10	Michael Ahmu	Tech 1	10	PIKA	9/9/08	
11	Geneneve Pino	Archeologist	10	Navaho Tribes	9/9/08	
12	Eugene Bowekaty	Archeologist	10	Zuni Tribes	9/9/08	
13						
14						
15						
16						
17						
w18						
19						
20						
Total work hours on this job this date 120 Were there any loss time accidents this date?						
*			4080	Yes No		
			4000			
HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own], subcontractor owned/operated)						
1	***					



WORK PERFORMED TODAY				
 0630 – Task Order and safety meeting at office 0645 – Checking instruments 0700 – Teams departed for field 1200 – Break for lunch 1230 – Return to work 1630 – Return to the office 1700 – Secure for the day 				
Transects Completed: <u>26</u>				
Transects to Date: <u>619</u>				
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED				
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS				
CAPORESEEN SITE CONDITIONS AND/OK TOTENTIAL TROBLEMS				
QA/QC INSPECTION RESULTS AND COMMENTS				
Grids QC checked: 00 Grids QA checked: 00				
Total Grids:00Total Grids:00				
SAFETY INSPECTION RESULTS AND COMMENTS				
CHANGE ORDER(S): NA				
Original Scope:				
Proposed Change(s):				
Rational for Change(s):				
Approved by:				
COMING WORK PREPARATIONS AND ARRANGEMENTS				
Continue Kick out investigations				
NOTES/COMMENTS				
USACOE Safety Representative/Harmon Slappy on site.				
Eugene Bowekaty returned to work .				
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)				



Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

(happend)

SIGNATURE:

DATE:9/9//08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods			Date:	Date: 9/10/2008		
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER: Sunny			TEM	TEMPERATURE: High: 70 Low: 46		
SITE CONDITIONS: Good				Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site.		
GENERAL R	EMARKS – Plan of the Day (POD):				
* Continue	Kick out /Transect Investiga	tion				
PERSONN	EL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	9/10/08	
2	John Reott	SSHO/QC	10	PIKA	9/10/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/10/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/10/08	
5	John Clifford	Tech 2	10	PIKA	9/10/08	
6	Joel Pullem	Tech 2	10	PIKA	9/10/08	
7	Thomas Holland	Tech 1	10	PIKA	9/10/08	
8	Dennis Anaya	Tech 1	10	PIKA	9/10/08	
9	Michael Bradford	Tech 1	10	PIKA	9/10/08	
10	Michael Ahmu	Tech 1	10	PIKA	9/10/08	
11	Geneneve Pino	Archeologist	10	Navaho Tribes	9/10/08	
12	Eugene Bowekaty	Archeologist	10	Zuni Tribes	9/10/08	
13						
14						
15						
16						
17						
w18						
19						
20						
Total work hours on this job this date 1				Were there any loss time accidents this date?		
*			4200	Yes No		
	ars from start of project		4320	If yes, attach summary of incident or OSH		
HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own], subcontractor owned/operated) N/A						



WORK PERFORMED TODAY
0630 – Task Order and safety meeting at office 0645 – Checking instruments 0700 – Teams departed for field 1200 – Break for lunch 1230 – Return to work 1630 – Return to the office 1700 – Secure for the day Transects Completed: <u>37</u> Transects to Date: <u>656</u>
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Grids QC checked:00Grids QA checked:00Total Grids:00Total Grids:00
SAFETY INSPECTION RESULTS AND COMMENTS
SAFETT INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope:
Proposed Change(s):
Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out investigations
NOTES/COMMENTS
USACOE Safety Representative/Harmon Slappy on site.
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

(happend)

SIGNATURE:

DATE:9/10//08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods			Date:	Date: 9/11/2008		
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER: Sunny			TEM	TEMPERATURE: High: 70 Low: 48		
SITE CONDITIONS: Good				Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site.		
GENERAL R	EMARKS – Plan of the Day (PO	D):				
* Continue	Kick out /Transect Investig	ation				
DEDSONN	EL ON-SITE					
		D :::				
Number	Name Dewey Thedford	Position SUXOS	Hours 10	EMPLOYER PIKA	DATE 9/11/08	
1 2	John Reott		10	PIKA PIKA	9/11/08	
3	Mike Fiedler	SSHO/QC Tech 3/Team Leader	10	PIKA	9/11/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/11/08	
4 5	John Clifford	Tech 2	10	PIKA	9/11/08	
6	Joel Pullem	Tech 2	10	PIKA	9/11/08	
-	Thomas Holland	Tech 1	10	PIKA	9/11/08	
7	Dennis Anaya	Tech 1	10	PIKA	9/11/08	
<u> </u>	Michael Bradford	Tech 1	10	PIKA	9/11/08	
9 10	Michael Ahmu	Tech 1	10	PIKA	9/11/08	
10	Curtis Yazzie	Archeologist	10	Navaho Tribes	9/11/08	
11	Eugene Bowekaty	Archeologist	10	Zuni Tribes	9/11/08	
13	Eugene Dowenary		10		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
13						
15						
16						
17						
w18						
19						
20						
Y Y			120	Were there any loss time accidents this date?		
Cumulative total of work hours from previous report 4			4320	Yes No		
	urs from start of project		4440	If yes, attach summary of incident or OSH	IA report	
HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own], subcontractor owned/operated)						
1	N/A					



Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

WORK PERFORMED TODAY				
0630 – Task Order and safety meeting at office 0645 – Checking instruments 0700 – Teams departed for field 1200 – Break for lunch 1230 – Return to work 1630 – Return to the office 1700 – Secure for the day Transects Completed: 2 Transects to Date: 658				
VEDDAL OD WDITTEN INCTDUCTIONS CIVEN OD DECENTED				
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED				
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS				
QA/QC INSPECTION RESULTS AND COMMENTS				
Grids QC checked: 00 Grids QA checked: 00				
Total Grids: 00 Total Grids: 00				
— — —				
SAFETY INSPECTION RESULTS AND COMMENTS				
CHANGE ORDER(S): NA				
Original Scope:				
Proposed Change(s):				
Rational for Change(s):				
Approved by:				
COMING WORK PREPARATIONS AND ARRANGEMENTS				
Continue Kick out investigations				
NOTES/COMMENTS				
USACOE Safety Representative/Harmon Slappy on site.				
Curtis Yazzie replaced Genevieve Pino as the Navaho representative				
Completed 1200' step out investigation along base line between E-64 through E-76 per W/P				
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)				

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Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

best aspard

SIGNATURE:

DATE:9/11/08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

SUXOS: Dewey Thedford PIKA UXOSOS: John Reott WEATHER: Sunny TEMPERATURE: High: 74 Low: 41 SITE CONDITIONS: Good Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site. GENERAL REMARKS - Plan of the Day (POD): * * Continue Kick out /Transect Investigation *
SITE CONDITIONS: Good Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site. GENERAL REMARKS – Plan of the Day (POD):
SITE CONDITIONS: Good specific task/hazardous review at the site. GENERAL REMARKS – Plan of the Day (POD):
* Continue Kick out /Transect Investigation
PERSONNEL ON-SITE
Number Name Position Hours EMPLOYER DATE
1Dewey ThedfordSUXOS10PIKA9/15/08
2John ReottSSHO/QC10PIKA9/15/08
3Mike FiedlerTech 3/Team Leader10PIKA9/15/08
4 Cameron Wenzel Tech 3/Team Leader 10 PIKA 9/15/08
5 John Clifford Tech 2 10 PIKA 9/15/08
6 Joel Pullem Tech 2 10 PIKA 9/15/08
7 Thomas Holland Tech 1 10 PIKA 9/15/08
8 Dennis Anaya Tech 1 10 PIKA 9/15/08
9 Michael Ahmu Tech 1 10 PIKA 9/15/08
10
11
12
13
<u>14</u>
15 16
10 17
19 I I I I I I I I I I I I I I I I I I I
20
Total work hours on this job this date 90 Were there any loss time accidents this date?
Cumulative total of work hours from previous report 4440 Yes No
Total work hours from start of project4530If yes, attach summary of incident or OSHA report
HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own], subcontractor owned/operated)
N/A



WORK PERFORMED TODAY				
0630 – Task Order and safety meeting at office 0645 – Checking instruments 0700 – Teams departed for field 0700 – Depauli Surveyors on site to put in grid stakes in arroyo 1200 – Break for lunch 1230 – Return to work 1630 – Return to the office 1700 – Secure for the day Transects Completed: 0 Transects to Date: 658				
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED				
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS				
QA/QC INSPECTION RESULTS AND COMMENTS				
Grids QC checked: <u>00</u> Grids QA checked: <u>00</u> Total Grids: <u>00</u> Total Grids: <u>00</u>				
SAFETY INSPECTION RESULTS AND COMMENTS				
CHANGE ORDER(S): NA				
Original Scope:				
Proposed Change(s):				
Rational for Change(s):				
Approved by:				
COMING WORK PREPARATIONS AND ARRANGEMENTS				
Continue Kick out investigations				
NOTES/COMMENTS				
USACOE Safety Representative/Harmon Slappy on site.				
Tribal representatives will not be on site this week				
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)				



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Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

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OTHER REMARKS	
VERIFICATION BY FIELD SUPERINTENDENT: The above r	anastic to the heat of my knowledge complete and consect
VERIFICATION DI FIELD SUPERINIENDENI: THE ADOVE	eport is, to the best of my knowledge, complete and correct.
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adball ACreent	
a - la - la hi -	
SIGNATURE: D	ATE:9/15/08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods			Date:	Date: 9/16/2008		
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER: Sunny			TEM	TEMPERATURE: High: 70 Low: 48		
SITE CONDITIONS: Good				Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site.		
GENERAL R	EMARKS – Plan of the Day (POI	D):				
* Continue	Kick out /Transect Investiga	tion				
Continue	There out / Transeet myestige	luon				
PERSONN	EL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	9/16/08	
2	John Reott	SSHO/QC	10	PIKA	9/16/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/16/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/16/08	
5	John Clifford	Tech 2	10	РІКА	9/16/08	
6	Joel Pullem	Tech 2	10	PIKA	9/16/08	
7	Thomas Holland	Tech 1	10	PIKA	9/16/08	
8	Dennis Anaya	Tech 1	10	PIKA	9/16/08	
9	Michael Ahmu	Tech 1	10	PIKA	9/16/08	
10	Wendy Church	Geophysicist	9	PIKA	9/16/08	
11	Eric Stoffel	Geophysicist	9	PIKA	9/16/08	
12	Mike Milne	Tech 1	9	PIKA	9/16/08	
13						
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Total recented	uns on this ich this 1-t-		117	Were there any loss time and day of the	ata?	
· · · · · · · · · · · · · · · · · · ·			117 4530	Were there any loss time accidents this date? Yes No		
â â			4530	If yes, attach summary of incident or OSHA report		
		pe, model, source [renta		ibcontractor owned/operated)		
	V/A	po, mouel, source frenta		(action of the operation)		
1	***					



Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

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WORK PERFORMED TODAY

 0630 – Task Order and safety meeting at office. 0645 – Checking instruments. 0700 – Team 1 departed for field to check for any accessible areas on South side. 0800 – EM-62 crew reported onboard. 0805 – Depauli survey crew arrived and departed for arroyo. 0930 – EM-62 crew departed office to GPO area to check instruments. 1200 – Break for lunch 1230 – Return to work 1530 – Depauli completed staking arroyo grid sReturn to work 1630 – Return to the office 1700 – Secure for the day
Transects Completed: <u>19</u>
Transects to Date: 677
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Grids QC checked: 00 Grids QA checked: 00
Total Grids: 00 Total Grids: 00
Linear feet of QC audit completed: 4010
Total Linear feet of QC audited: 4010
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope:
Proposed Change(s):
Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out investigations
NOTES/COMMENTS
USACOE Safety Representative/Harmon Slappy on site.
Tribal representatives will not be on site this week



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Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)	
OTHER REMARKS	
VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete	and correct.
Cherter Cherter DATE: 0/16/08	
SIGNATURE: DATE:9/16/08	
SIGNATORE. DATE. J 10:00	



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods Date: 9/17/2008						
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER: Sunny			TEM	TEMPERATURE: High: 75 Low: 42		
SITE CONDITIONS: Good Health & Safety: Detailed safety brief before leaving of specific task/hazardous review at the site.			re leaving office, site			
GENERAL R	EMARKS – Plan of the Day (POD)	:				
* Continue	Kick out /Transect Investigat	ion				
Continue	The out / Transeet investigat					
PERSONN	EL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	9/17/08	
2	John Reott	SSHO/QC	10	PIKA	9/17/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/17/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/17/08	
5	John Clifford	Tech 2	10	PIKA	9/17/08	
6	Joel Pullem	Tech 2	10	PIKA	9/17/08	
7	Thomas Holland	Tech 1	10	PIKA	9/17/08	
8	Dennis Anaya	Tech 1	10	PIKA	9/17/08	
9	Michael Ahmu	Tech 1	10	PIKA	9/17/08	
10	Wendy Church	Geophysicist	10	PIKA	9/17/08	
10	Eric Stoffel	Geophysicist	10	PIKA	9/17/08	
12	Mike Milne	Tech 1	10	PIKA	9/17/08	
13				PIKA	9/17/08	
14						
15						
16						
17						
18						
19						
20						
	Total work hours on this job this date		120			
	al of work hours from previous report	t	4647 Yes No			
	otal work hours from start of project 4767 If yes, attach summary of incident or OSHA report			A report		
		e, model, source [renta	l/own], su	lbcontractor owned/operated)		
1	N/A					



WORK PERFORMED TODAY
0630 – Task Order and safety meeting at office. 0645 – Checking instruments. 0700 – Team 1 departed for field to redo East 63 to East 92 transects. 0900 – EM-62 crew departed office to perform QC audits 1200 – Break for lunch 1230 – Return to work 1630 – Return to the office 1700 – Secure for the day Transects Completed: <u>18</u> Transects to Date: <u>695</u>
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
Eric Kirwan approved the use of the EM-61 in the litter mode vice wheel mode to collect data.
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Grids QC checked:00Grids QA checked:00Total Grids:00Total Grids:00
Linear feet of QC audit completed:5245Total Linear feet of QC audited:9255
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope: Proposed Change(s):
Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out investigations
NOTES/COMMENTS
USACOE Safety Representative/Harmon Slappy on site.
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?) Eric Kirwin, USACE PM, Assist in EM-61 audits, yes.



Project Name: Kick out Investigation

Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137 **OTHER REMARKS** VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct. had begand SIGNATURE: DATE: 9/17/08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Proje	KA Project Manager: Corey Woods Date: 9/17/2008				
SUXOS: Dewey Thedford PIKA UXOSOS: John Reott			UXOSOS: John Reott		
WEATHER: Sunny			ТЕМ	PERATURE: High: 75 Low	v: 42
SITE CONDITIONS: Good Health & Safety: Detailed safety brief before leaving office specific task/hazardous review at the site.			ore leaving office, site		
GENERAL R	EMARKS – Plan of the Day (POD):			
* Continue	Kick out /Transect Inves	tigation			
	111011 0 000 / 1101100000 111 / 05	uguton			
PERSONN	EL ON-SITE				
Number	Name	Position	Hours	EMPLOYER	DATE
1	Dewey Thedford	SUXOS	10	PIKA	9/18/08
2	John Reott	SSHO/QC	10	PIKA	9/18/08
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/18/08
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/18/08
5	John Clifford	Tech 2	10	PIKA	9/18/08
6	Joel Pullem	Tech 2	10	PIKA	9/18/08
7	Thomas Holland	Tech 1	10	PIKA	9/18/08
8	Dennis Anaya	Tech 1	10	PIKA	9/18/08
9	Michael Ahmu	Tech 1	10	PIKA	9/18/08
10	Wendy Church	Geophysicist	10	PIKA	9/18/08
11	Eric Stoffel	Geophysicist	10	PIKA	9/18/08
12	Mike Milne	Tech 1	10	PIKA	9/18/08
13					
14					
15					
16					
17					
18					
<u>19</u> 20					
20					
Total work ho	urs on this job this date		120	Were there any loss time accidents this d	ate?
		4767			
	urs from start of project	· <u>r</u> · · ·	4887	If yes, attach summary of incident or OS	
HEAVY E		(type, model, source [renta		bcontractor owned/operated)	•



WORK PERFORMED TODAY
0630 – Task Order and safety meeting at office. 0645 – Checking instruments. 0700 – Team 1 departed for field to work the western sections 0715 – EM-62 crew departed office to perform QC audits 1200 – Break for lunch 1230 – Return to work 1630 – Return to the office 1700 – Secure for the day Transects Completed: 29 Transects to Date: 724
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
VERDAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Grids QC checked: $\underline{00}$ Grids QA checked: $\underline{00}$
Total Grids:00Total Grids:00
Linear feet of QC audit completed:5245Total Linear feet of QC audited:9255
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA Original Scope:
Proposed Change(s):
Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out investigations
NOTES/COMMENTS
USACOE Safety Representative/Harmon Slappy on site.
All data collected on Western transects was lost. Corrupted file could not be recovered /converted.
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?) Eric Kirwin, USACE PM, Assist in EM-61 audits, yes.
2 enort 091808 dwt _ 2 -



Project Name: Kick out Investigation

Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137 **OTHER REMARKS** VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct. best aspard SIGNATURE: DATE: 9/18/08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods			Date: 9/22/2008		
SUXOS: Dewey Thedford PIKA UXOSOS			UXOSOS: John Reott		
WEATHER: Sunny			TEM	PERATURE: High: 75 Low	<i>r</i> : 43
SITE CONDITIONS: Good Health & Safety: Detailed safety brief before leaving office specific task/hazardous review at the site.			ore leaving office, site		
GENERAL R	EMARKS – Plan of the Day (I	POD):			
* Continue	Kick out /Transect Invest	igation			
PERSONN	EL ON-SITE	1			1
Number	Name	Position	Hours	EMPLOYER	DATE
1	Dewey Thedford	SUXOS	10	PIKA	9/22/08
2	John Reott	SSHO/QC	10	PIKA	9/22/08
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/22/08
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/22/08
5	Thomas Holland	Tech 1	10	PIKA	9/22/08
6	Dennis Anaya	Tech 1	10	PIKA	9/22/08
7	Michael Ahmu	Tech 1	10	PIKA	9/22/08
8	Eric Stoffel	Geophysicist	10	PIKA	9/22/08
9	Mike Milne	Tech 1	10	PIKA	9/22/08
10					
11					
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<u>14</u> 15					
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18					
19					
20					
Total work how	urs on this job this date	· · · · · · · · · · · · · · · · · · ·	90	Were there any loss time accidents this da	ite?
Cumulative to	tal of work hours from previous	report	4887		
	urs from start of project		4977	If yes, attach summary of incident or OSH	IA report
	QUIPMENT ON-SITE: N/A	(type, model, source [rental	l/own], su	bcontractor owned/operated)	



Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

WORK PERFORMED TODAY
 0630 – Task Order and safety meeting at office. 0645 – Checking instruments. 0700 – Team 1 & EM-61 crews departed for field 0715 – EM-62 crew collecting data for QC audits on South Transects 1200 – Break for lunch 1230 – Return to work 1630 – Return to the office 1700 – Secure for the day
Transects Completed:29Transects to Date:724
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Grids QC checked:00Grids QA checked:00Total Grids:00Total Grids:00
Linear feet of QC audit completed:8400Total Linear feet of QC audited:17655
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope:
Proposed Change(s):
Rational for Change(s): Approved by:
Approved by.
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out QC audits and anomaly investigations
NOTES/COMMENTS
USACOE Safety Representative/Harmon Slappy on site.
SITE VISITORS, (Norma Title Desser for right Trained on USP9)
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



Project Name: Kick out Investigation

Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137 **OTHER REMARKS** VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct. (happend) SIGNATURE: DATE: 9/22/08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods			Date: 9/23/2008		
SUXOS: Dewey Thedford PIKA UXOSOS: John Reott					
WEATHER: Sunny TEMPERATURE: High: 76 Low: 4			v: 40		
SITE CONI	SITE CONDITIONS: Good Health & Safety: Detailed safety brief before leaving office specific task/hazardous review at the site.			ore leaving office, site	
GENERAL R	EMARKS – Plan of the Day (PO	D):			
* Continue	Anomaly Investigations				
PERSONN	EL ON-SITE				
Number	Name	Position	Hours	EMPLOYER	DATE
1	Dewey Thedford	SUXOS	10	PIKA	9/23/08
2	John Reott	SSHO/QC	10	PIKA	9/23/08
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/23/08
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/23/08
5	Thomas Holland	Tech 1	10	PIKA	9/23/08
6	Dennis Anaya	Tech 1	10	PIKA	9/23/08
7	Michael Ahmu	Tech 1	10	PIKA	9/23/08
8	Eric Stoffel	Geophysicist	10	PIKA	9/23/08
9	Mike Milne	Tech 1	10	PIKA	9/23/08
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16 17					
17					
19					
20					
Total work how	urs on this job this date	· ·	90 Were there any loss time accidents this date?		
Cumulative to	tal of work hours from previous rep	port	4977		
	urs from start of project		5067	If yes, attach summary of incident or OSI	HA report
	-	ype, model, source [renta	l/own], st	lbcontractor owned/operated)	
1	N/A				



WORK PERFORMED TODAY
 0630 - Task Order and safety meeting at office. 0645 - Checking instruments. 0700 - Team 1 & EM-61 crew departed for field 0715 - EM-61 crew collecting data for QC audits Team 2 investigating anomalies 1000 - Hertz picked up ATV's 1200 - Break for lunch 1230 - Return to work 1600 - EM-61 completed data collection 1630 - Return to the office 1700 - Secure for the day Transects Completed: 29 Transects to Date: 724
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
USACOE/Eric Kirwin/PM is satisfied data points are IAW WP and no Surveyors are required.
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Grids QC checked: 00 Grids QA checked: 00
Total Grids:00Total Grids:00
Linear feet of QC audit completed:1400Total Linear feet of QC audited:19055
SAFETY INSPECTION RESULTS AND COMMENTS
CHANCE ODDED(S). NA
CHANGE ORDER(S): NA Original Scope:
Proposed Change(s):
Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out QC audits and anomaly investigations
NOTES/COMMENTS
USACOE Safety Representative/Harmon Slappy on site.
MD/Non-MD will remain in Igloo B-1039



Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

MEC will be turned over to FWAD caretaker personnel

SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

(bus per hand)

SIGNATURE:

DATE: 9/23/08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods			Date: 9/24/2008			
SUXOS: Dewey Thedford PIKA UXOSOS: John Reott			UXOSOS: John Reott			
WEATHER: Sunny			TEM	TEMPERATURE: High: 76 Low: 40		
SITE CONDITIONS: Good Health & Safety: Detailed safety brief before leaving office specific task/hazardous review at the site.			pre leaving office, site			
GENERAL R	EMARKS – Plan of the Day (l	POD):	•			
* Continue	Kick out /Transect Invest	tigation				
PERSONN	EL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	9/24/08	
2	John Reott	SSHO/QC	10	PIKA	9/24/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/24/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/24/08	
5	Thomas Holland	Tech 1	10	PIKA	9/24/08	
6	Dennis Anaya	Tech 1	10	PIKA	9/24/08	
7	Michael Ahmu	Tech 1	10	PIKA	9/24/08	
8	Eric Stoffel	Geophysicist	10	PIKA	9/24/08	
9	Mike Milne	Tech 1	10	PIKA	9/24/08	
10						
11						
12						
13 14						
14						
15						
10						
18						
19						
20						
Total work how	urs on this job this date		90	Were there any loss time accidents this da	ate?	
Cumulative to	umulative total of work hours from previous report		5067	067 Yes No		
	urs from start of project		5157	If yes, attach summary of incident or OSI	HA report	
	HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own], subcontractor owned/operated) N/A					



WORK PERFORMED TODAY
 0630 – Task Order and safety meeting at office. 0645 – Checking instruments. 0700 – Team 2 departed for field 0730 – Team 2 investigating EM-61 hits 1200 – Break for lunch 1230 – Return to work 1245 – EM-61 crew reacquiring anomalies on East side no contacts Team 1 providing Ordnance avoidance for EM-61 crew 1615 – Team 2 completed anomaly investigations EM-61 crew completed reacquiring data. 1630 – Return to the office 1700 – Secure for the day
Transects Completed:29Transects to Date:724
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Grids QC checked: 00 Grids QA checked: 00
Total Grids: 00 Total Grids: 00
Linear feet of QC audit completed: 0 Total Linear feet of QC audited: 19055 SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope:
Proposed Change(s): Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Completed all operations
NOTES/COMMENTS
USACOE Safety Representative/Harmon Slappy on site.



SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)
OTHER REMARKS
VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.
Coppeditudi
1 as it was a second
rangel weaker
SIGNATURE: DATE: 9/24/08



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Manager: Corey Woods			Date:	Date: 9/25/2008		
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER: Sunny			TEM	TEMPERATURE: High: 75 Low: 40		
SITE CONDITIONS: Good				Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site.		
GENERAL R	EMARKS – Plan of the Day (l	POD):	•			
* Continue	Kick out /Transect Invest	tigation				
PERGONN						
	IEL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10 10	PIKA	9/25/08	
2	John Reott	SSHO/QC	10	PIKA	9/25/08 9/25/08	
3	Mike Fiedler Cameron Wenzel	Tech 3/Team Leader Tech 3/Team Leader	10	PIKA	9/25/08	
4	Thomas Holland	Tech 1	10	PIKA PIKA	9/25/08	
6		Tech 1	10	PIKA	9/25/08	
-	Dennis Anaya Michael Ahmu	Tech 1	10	PIKA	9/25/08	
7	Eric Stoffel	Geophysicist	10	PIKA	9/25/08	
<u>8</u> 9	Mike Milne	Tech 1	10	PIKA	9/25/08	
9 10			10		7/25/00	
10						
12						
13						
14						
15						
16						
17						
18						
19						
20						
Total work hours on this job this date			90	Were there any loss time accidents this date?		
	tal of work hours from previous	report	5157	Yes No		
			5247	If yes, attach summary of incident or OSHA report		
HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own], subcontractor owned/operated)						



Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

WORK PERFORMED TODAY

0630 – Task Order and safety meeting at office. 0645 – Started packing instruments and gear for shipment to Stafford.
0800 - R & R Trucking arrived on-site to pick up Demolition materials
0930 – R & R completed load-out and departed FT Wingate
1000 – Keys from BIA are returned by Mike Feidler
1200 – Break for lunch
1230 – Return to work
1245 – Cleaning vehicles for turn in to Enterprise
1300 – Turned over MEC items to FWAD personnel Mike Scoville/Mike Chee
1630 – Return to the office
1700 – Secure for the day/Tasks completed
Transects Completed: 29
Transects to Date: 724
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
LINEODESEEN SITE CONDITIONS AND/OD DOTENTIAL DOODLEMS
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Grids QC checked: $\underline{00}$ Grids QA checked: $\underline{00}$
Total Grids: <u>00</u> Total Grids:
Linear feet of QC audit completed: $\underline{0}$
Total Linear feet of QC audited: <u>19055</u>
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope:
Proposed Change(s):
Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Completed all operations
NOTES/COMMENTS
USACOE Safety Representative/Harmon Slappy on site.



I

Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02

Project Location: Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

CITE VICITORS, (Nome Title Descen for visit 7	Frained on USD9)
SITE VISITORS: (Name, Title, Reason for visit, T	(rained on HSP?)
OTHER REMARKS	
VERIFICATION BY FIELD SUPERINTENDEN	T: The above report is, to the best of my knowledge, complete and correct.
6	
affrest segrand	N
1 4 1 1 1 1	
affred agained	2
SIGNATURE:	DATE: 9/25/08
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APPENDIX G

Weekly Reports



WEEKLY REPORT

Contract No:	W912BV-04-D-2016	Report No.	01		
PIKA Project #:	08-12-137	Date:	08-10-08 to 08-16-08		
Project:	Kick-out Investigation, Parcel 3 Bound McKinley County, New Mexico	ary, Ft Wingate	e Army Activity Depot,		
Summary of Activ	vities:				
 Kickoff meeting held in Bldg 1 on Monday, 8/11/08 Started Transect Investigation Rick Holthouser and Jerry Stone conducted a Magazine Inspection and Site Audit. Minor issues noted and corrected. 					
Remarks: (include directions received from client's representative or regulators, visitors, compliance notices received, pertinent information)					

Work Completed:	This Week	Cumulative	% Complete
Number of Transects completed	63	63	6
Number of QC audits completed	0	0	0
Number of QA audits completed	0	0	0
Number of Targets Dug	134	134	N/A
MEC Items recovered	0	0	N/A
Munitions Debris (MD) recovered (lbs estimate)	44	44	N/A
Scrap Metal/Metals Waste (MW) recovered (lbs estimate)	0	0	N/A

Health and Safety

• Conducted health and safety meetings and task order meetings every morning, prior to commencement of daily activities.

Were there any lost time accidents this week? No **x** Yes . If "yes", refer attached summary of incident or OSHA report.



Non- Conformances	Corrective Action (CA)	Follow-up on CA
None		
None		
None		
	Conformances None None	Conformances Corrective Action (CA) None

Notes:

- USACE Safety representative Harmon Slappy on site
- Received repaired Whites All-Metals Detector

Schedule for Next Week

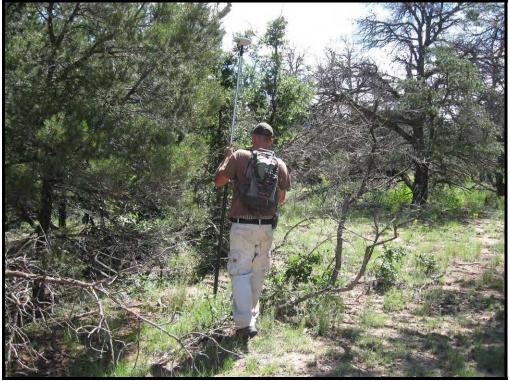
- Continue Transect/Kick-out investigation.
- NM licensed surveyors/Depauli Engineering & Surveying Co to set in grids stakes at SW corner of 84 Arroyo grids.

Refer attached **Schedule** for percentage of work completed and projected completion dates.

SUXOS	Dewey Thedford	Safety/QC Officer	John Reott
UXO Team Lead	Mike Fiedler	Project Manager	Corey Woods



PHOTO DOCUMENTATION



Navigating to Transect Points with Trimble



Pinpointing Grid Stake Location





Checking Point before Hammering in Grid Stake



Hammering in Grid Stakes

			Cont	ract #W912BV-04-	D-2016 / E	DY02			
ID	Task Name	Start	Finish	g	7 0/04	Sep			Nov
1	Kickoff Meeting	Mon 8/11/08	Mon 8/11/08	8/3 8/10 8/1	/ 8/24	8/31 9/	7 9/14 9/21	9/28 10/5 10/12 10/1	9 10/26 11/2 11/9 11/16
2	Delineation Site Work	Tue 8/12/08	Thu 10/9/08	-				6%	
3	North Side	Tue 8/12/08	Fri 8/22/08		▣				
4	East side	Mon 8/25/08	Mon 9/8/08			لو			
5	South Side	Tue 9/9/08	Tue 9/23/08			d			
6	West Side	Wed 9/24/08	Thu 10/9/08						
7	EM-61 QC	Mon 9/15/08	Thu 9/18/08						
8	Final Report	Mon 10/13/08	Fri 11/14/08						
9	Draft Report	Mon 10/13/08	Thu 10/30/08						
10	COE Review	Fri 10/31/08	Mon 11/10/08						
11	Respond to Comments	Tue 11/11/08	Thu 11/13/08						
12	Final Report	Fri 11/14/08	Fri 11/14/08						ð



WEEKLY REPORT

Contract No:	W912BV-04-D-2016	Report No.	2		
PIKA Project #:	08-12-137	Date:	08-17-08 to 08-23-08		
Project: Kick-out Investigation, Parcel 3 Boundary, Ft Wingate Army Activity Depo McKinley County, New Mexico					
Summary of Activ	vities:				
	sect Investigations rveyor putting in SW corner grid stakes	in Arroyo			
Remarks: (include directions received from client's representative or regulators, visitors, compliance notices received, pertinent information)					

Work Completed:	This Week	Cumulative	% Complete
Number of Transects completed	206	275	29 %
Number of QC audits completed	0	0	0
Number of QA audits completed	0	0	0
Number of Targets Dug	402	536	N/A
MEC Items recovered	0	0	N/A
Munitions Debris (MD) recovered (lbs estimate)	71	115	N/A
Scrap Metal/Metals Waste (MW) recovered (lbs estimate)	0	3	N/A

Health and Safety

• Conducted health and safety meetings and task order meetings every morning, prior to commencement of daily activities.

Were there any lost time accidents this week? No **x** Yes . If "yes", refer attached summary of incident or OSHA report.



Whites all metal detectors None Vehicle Inspections None Notes: • • USACE Safety representative Harmon Slappy on site • Eugene Bowekaty/Zuni Representative did not work on Tuesday and Wednesday of the week.	Inspections Performed	Non- Conformances	Corrective Action (CA)	Follow-up on CA
Vehicle Inspections None Notes: • • USACE Safety representative Harmon Slappy on site • Eugene Bowekaty/Zuni Representative did not work on Tuesday and Wednesday of the week. Schedule for Next Week • • Continue Transect/Kick-out investigation. • Continue escorting surveyors putting in SW corner grid stakes in Arroyo	Schonstedts	None		
 Notes: USACE Safety representative Harmon Slappy on site Eugene Bowekaty/Zuni Representative did not work on Tuesday and Wednesday of the week. Schedule for Next Week Continue Transect/Kick-out investigation. Continue escorting surveyors putting in SW corner grid stakes in Arroyo 	Whites all metal detectors	None		
 USACE Safety representative Harmon Slappy on site Eugene Bowekaty/Zuni Representative did not work on Tuesday and Wednesday of the week. Schedule for Next Week Continue Transect/Kick-out investigation. Continue escorting surveyors putting in SW corner grid stakes in Arroyo 	Vehicle Inspections	None		
Continue escorting surveyors putting in SW corner grid stakes in Arroyo	week.	Representative did i	not work on Tuesday and	Wednesday of this
	Schedule for Next Week			
Refer attached Schedule for percentage of work completed and projected completion dates		out investigation.		
SUXOS Dewey Thedford Safety/QC Officer John Reott	Continue Transect/Kick-o	-	corner grid stakes in Arro	ууо

Project Manager

UXO Team Lead

Mike Fiedler

Corey Woods



PHOTO DOCUMENTATION



Teams Loading Gear for Transect Investigations



Navigating to Transect Points with Trimble





Investigating Transect for Anomalies



QC/Safety Assisting Teams in Field

P	IKA ENATIONAL, ING.	Fort W	Project Sch ingate Army	nedule for Kickout Delinea Activity Depot, McKinley (ation, Parcel 3, County, New Mexico		
Contract #W912BV-04-D-2016 / DY02							
ID	Task Name	Start	Finish	<u>.g</u> 8/3 8/10 8/17 8/2	Sep Oct Nov /24 8/31 9/7 9/14 9/21 9/28 10/5 10/12 10/19 10/26 11/2 11/9 11/16		
1	Kickoff Meeting	Mon 8/11/08	Mon 8/11/08				
2	Delineation Site Work	Tue 8/12/08	Thu 10/9/08		29%		
3	North Side	Tue 8/12/08	Fri 8/22/08				
4	East side	Mon 8/25/08	Mon 9/8/08				
5	South Side	Tue 9/9/08	Tue 9/23/08				
6	West Side	Wed 9/24/08	Thu 10/9/08				
7	EM-61 QC	Mon 9/15/08	Thu 9/18/08				
8	Final Report	Mon 10/13/08	Fri 11/14/08				
9	Draft Report	Mon 10/13/08	Thu 10/30/08				
10	COE Review	Fri 10/31/08	Mon 11/10/08				
11	Respond to Comments	Tue 11/11/08	Thu 11/13/08				
12	Final Report	Fri 11/14/08	Fri 11/14/08		र्व		
Prepai Date:	red By: PIKA International, Inc. s	ask (External Tasks External MileTask Split Split		



WEEKLY REPORT

Contract No:	W912BV-04-D-2016	Report No.	3
PIKA Project #:	08-12-137	Date:	08-24-08 to 08-30-08
Project:	Kick-out Investigation, Parcel 3 Bound McKinley County, New Mexico	ary, Ft Wingate	e Army Activity Depot,
Summary of Activ	vities:		
Continued T	ransect Investigations		
	e directions received from client's repres received, pertinent information)	entative or reg	gulators, visitors,

Work Completed:	This Week	Cumulative	% Complete
Number of Transects completed	159	434	45%
Number of QC audits completed	0	0	0
Number of QA audits completed	0	0	0
Number of Targets Dug	713	1249	N/A
MEC Items recovered	0	0	N/A
Munitions Debris (MD) recovered (lbs estimate)	331	446	N/A
Scrap Metal/Metals Waste (MW) recovered (lbs estimate)	158	171	N/A

Health and Safety

• Conducted health and safety meetings and task order meetings every morning, prior to commencement of daily activities.



Quality Control			
Inspections Performe	ed Non- Conformances	Corrective Action (CA)	Follow-up on CA
Schonstedts	None		
Whites all metal detectors	None		
Vehicle Inspections	None		
Michael Ahmu (Tea	ch 1) reported onboard to	oday to fill vacancy on Te	eam One.
Schedule for Next Wee	k		
Continue Transect	/Kick-out investigation.		
Refer attached Schedule	for percentage of work of	completed and projected	completion dates.
SUXOS	Dewey Thedford	Safety/QC Officer	John Reott
UXO Team Lead	Mike Fiedler	Project Manager	Corey Woods



PHOTO DOCUMENTATION



Sweeping Transects Lanes for Anomalies



Hand Excavating an Anomaly





Burnt Out 57-mm Projectile/Munitions Debris



Loading Gear at End of Work Day

P	Project Schedule for Kickout Delineation, Parcel 3, Fort Wingate Army Activity Depot, McKinley County, New Mexico					
Contract #W912BV-04-D-2016 / DY02						
ID	Task Name	Start	Finish	g Oct Nov 8/3 8/10 8/17 8/24 8/31 9/7 9/14 9/21 9/28 10/5 10/12 10/19 10/26 11/2 11/9 11/16		
1	Kickoff Meeting	Mon 8/11/08	Mon 8/11/08			
2	Delineation Site Work	Tue 8/12/08	Thu 10/9/08	3 45%		
3	North Side	Tue 8/12/08	Fri 8/22/08			
4	East side	Mon 8/25/08	Mon 9/8/08			
5	South Side	Tue 9/9/08	Tue 9/23/08			
6	West Side	Wed 9/24/08	Thu 10/9/08			
7	EM-61 QC	Mon 9/15/08	Thu 9/18/08	5 (min)		
8	Final Report	Mon 10/13/08	Fri 11/14/08	18		
9	Draft Report	Mon 10/13/08	Thu 10/30/08	3		
10	COE Review	Fri 10/31/08	Mon 11/10/08	8		
11	Respond to Comments	Tue 11/11/08	Thu 11/13/08	3		
12	Final Report	Fri 11/14/08	Fri 11/14/08	3		
Prepa Date:	red By: PIKA International, Inc. 08/30/08	Task (



WEEKLY REPORT

Contract No:	W912BV-04-D-2016	Report No.	4			
PIKA Project #:	08-12-137	Date:	08-31-08 to 09-06-08			
Project: Kick-out Investigation, Parcel 3 Boundary, Ft Wingate Army Activity Depot, McKinley County, New Mexico						
Summary of Activ	vities:					
Kickout Transect Investigations						
	e directions received from client's repr received, pertinent information)	esentative or req	gulators, visitors,			

Work Completed:	This Week	Cumulative	% Complete
Number of Transects completed	127	561	61%
Number of QC audits completed	0	0	0
Number of QA audits completed	0	0	0
Number of Targets Dug	131	1380	N/A
MEC Items recovered	0	0	N/A
Munitions Debris (MD) recovered (lbs estimate)	57	503	N/A
Scrap Metal/Metals Waste (MW) recovered (lbs estimate)	28	199	N/A

Health and Safety

• Conducted health and safety meetings and task order meetings every morning, prior to commencement of daily activities.

Were there any lost time accidents this week? No **x** Yes . If "yes", refer attached summary of incident or OSHA report.



Inspections Performed	Non- Conformances	Corrective Action (CA)	Follow-up on CA		
Schonstedts	None				
Whites all metal detectors	None				
Vehicle Inspections	None				
Notes: • USACE Safety representative Harmon Slappy was not on site this week					
	ative Harmon Slapp	y was not on site this wee	k		

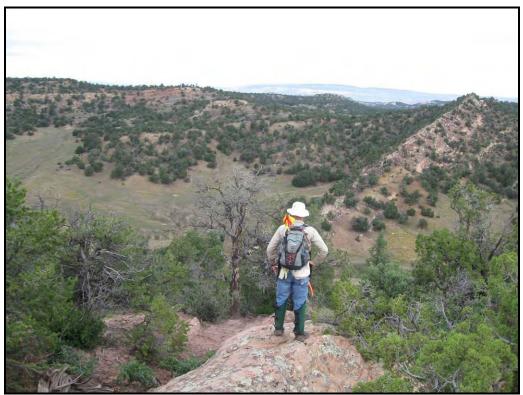
• Continue Transect/Kick-out investigation.

Refer attached **Schedule** for percentage of work completed and projected completion dates.

SUXOS	Dewey Thedford	Safety/QC Officer	John Reott
UXO Team Lead	Mike Fiedler	Project Manager	Corey Woods



PHOTO DOCUMENTATION

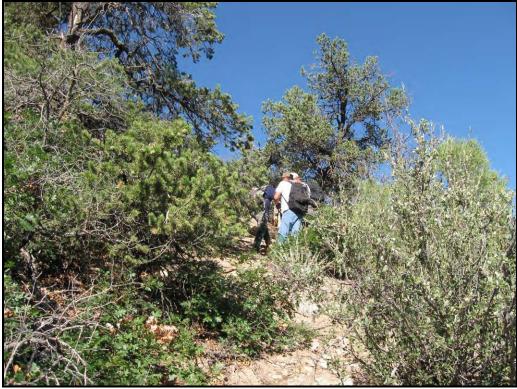


Looking for Access to Transect Lanes



Navigating along Transect Lanes





Climbing up Mountain Side



Inserting Grid Stake on Transect Lane Point

	K	
INTERN	ATIONAL	INC.

Project Schedule for Kickout Delineation, Parcel 3, Fort Wingate Army Activity Depot, McKinley County, New Mexico Contract #W912BV-04-D-2016 / DY02 g _______Nov <u>8/3 8/10 8/17 8/24 8/31 9/7 9/14 9/21 9/28 10/5 10/12 10/19 10/26 11/2 11/9 11/16</u> **€ 100%** ID Task Name Start Finish g 1 Kickoff Meeting Mon 8/11/08 Mon 8/11/08 2 Tue 8/12/08 Thu 10/9/08 **61%** Delineation Site Work 3 Tue 8/12/08 Fri 8/22/08 North Side 4 Mon 8/25/08 Mon 9/8/08 East side Tue 9/9/08 Tue 9/23/08 5 South Side Wed 9/24/08 Thu 10/9/08 6 West Side 7 Thu 9/18/08 EM-61 QC Mon 9/15/08 Mon 10/13/08 Fri 11/14/08 8 Final Report 9 Mon 10/13/08 Thu 10/30/08 Draft Report 10 Fri 10/31/08 Mon 11/10/08 COE Review 11 Tue 11/11/08 Thu 11/13/08 Respond to Comments 12 Fri 11/14/08 Fri 11/14/08 Final Report \blacklozenge External Tasks Task Milestone Prepared By: PIKA International, Inc. Split External MileTask 🧇 Summary Date: 09/06/08 Progress Project Summary Split ∿



WEEKLY REPORT

Contract No:	W912BV-04-D-2016	Report No.	5		
PIKA Project #:	08-12-137	Date:	09-07-08 to 09-13-08		
Project:	Kick-out Investigation, Parcel 3 Boundary, Ft Wingate Army Acivity Depot, McKinley County, New Mexico				
Summary of Activ	vities:				
Continued Transect Investigations					
· · · · · · · · · · · · · · · · · · ·	e directions received from client's repres received, pertinent information)	sentative or rec	gulators, visitors,		

Several potential archeological sites were identified and investigated by the tribal archeologists, photos are included under Photo Documentation; did not affect work progress.

Work Completed:	This Week	Cumulative	% Complete
Number of Transects completed	99	660	66%
Number of QC audits completed	0	0	0
Number of QA audits completed	0	0	0
Number of Targets Dug	8	1388	N/A
MEC Items recovered	0	0	N/A
Munitions Debris (MD) recovered (lbs estimate)	0	503	N/A
Scrap Metal/Metals Waste (MW) recovered (lbs estimate)	5	204	N/A

Health and Safety

• Conducted health and safety meetings and task order meetings every morning, prior to commencement of daily activities.

Were there any lost time accidents this week? No **x** Yes If "yes", refer attached summary of incident or OSHA report.



Quality Control				
Inspections Performed	Non- Conformances	Corrective Action (CA)	Follow-up on CA	
Schonstedts	None			
Whites all metal detectors	None			
Vehicle Inspections	None			

Notes:

- USACE Safety representative Harmon Slappy on site this week
- Eugene Bowekaty/Zuni Archeologist did not report for work on Monday, 9/8/08.

Schedule for Next Week

- Continue Transect/Kick-out investigation.
- Conduct EM-61 QC audits
- Escort DePauli surveyors into arroyo to stake in South West grid stakes.

Refer attached **Schedule** for percentage of work completed and projected completion dates.

SUXOS	Dewey Thedford	Safety/QC Officer	John Reott
UXO Team Lead	Mike Fiedler	Project Manager	Corey Woods



PHOTO DOCUMENTATION



Archeological Site



Archeological Site





Archeological Site



Archeological Site

	K	
INTERN	ATIONAL	INC.

Project Schedule for Kickout Delineation, Parcel 3, Fort Wingate Army Activity Depot, McKinley County, New Mexico Contract #W912BV-04-D-2016 / DY02 ID Task Name Start Finish g 1 Kickoff Meeting Mon 8/11/08 Mon 8/11/08 2 Tue 8/12/08 Thu 10/9/08 **66%** Delineation Site Work 3 Tue 8/12/08 Fri 8/22/08 North Side 4 Mon 8/25/08 Mon 9/8/08 East side Tue 9/9/08 Tue 9/23/08 5 South Side Wed 9/24/08 Thu 10/9/08 6 West Side 7 Thu 9/18/08 EM-61 QC Mon 9/15/08 Mon 10/13/08 Fri 11/14/08 8 Final Report 9 Mon 10/13/08 Thu 10/30/08 Draft Report 10 Fri 10/31/08 Mon 11/10/08 COE Review 11 Tue 11/11/08 Thu 11/13/08 Respond to Comments 12 Fri 11/14/08 Fri 11/14/08 Final Report \blacklozenge External Tasks Task Milestone Prepared By: PIKA International, Inc. Split External MileTask 🧇 Summary Date: 09/13/08 Progress Project Summary Split ∿



WEEKLY REPORT

Contract No:	W912BV-04-D-2016	Report No.	6			
PIKA Project #:	08-12-137	Date:	09-14-08 to 09-20-08			
Project:	Kick-out Investigation, Parcel 3 Boundary, Ft Wingate Army Activity Depot, McKinley County, New Mexico					
Summary of Activ	vities:					
 Completed all kick out Transects Started EM-61 QC operations 						
-	Remarks: (include directions received from client's representative or regulators, visitors, compliance notices received, pertinent information)					

Work Completed:	This Week	Cumulative	% Complete
Number of Transects completed	66	726	100
Linear Feet of Transects completed	13,986	140,863	100
Linear Feet of Transect QC audits completed	9255	9255	66
Number of Targets Dug	2	1390	N/A
MEC Items recovered	0	0	N/A
Munitions Debris (MD) recovered (lbs estimate)	0	503	N/A
Scrap Metal/Metals Waste (MW) recovered (lbs estimate)	1	205	N/A

Health and Safety

• Conducted health and safety meetings and task order meetings every morning, prior to commencement of daily activities.

Were there any lost time accidents this week? No **x** Yes . If "yes", refer attached summary of incident or OSHA report.



Quality Control				
Inspections Performed	Non- Conformances	Corrective Action (CA)	Follow-up on CA	
Schonstedts	None			
Whites all metal detectors	None			
Vehicle Inspections	None			

Notes:

- USACE Safety representative Harmon Slappy and PM Eric Kirwan on site this week
- Navajo and Zuni Archeologists were not utilized this week.

Schedule for Next Week.

- Continue EM-61 QC audits
- Investigate anomalies acquired by EM-61 audits
- Ship all explosives to Camp Bonneville
- Pack and ship equipment/instruments to Stafford

Refer attached **Schedule** for percentage of work completed and projected completion dates.

SUXOS	Dewey Thedford	Safety/QC Officer	John Reott
UXO Team Lead	Mike Fiedler	Project Manager	Corey Woods



PHOTO DOCUMENTATION



MEC in Igloo B-1038



MEC in Igloo B-1038





Jet Perforators, Detonating Cord and Boosters stored in Igloo B-1029



Electric Blasting Caps stored in Igloo B-1028





205 Pounds of Scrap Metal Recovered in Arroyo



503 Pounds of Munitions Debris Recovered in Arroyo

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Prepared By: PIKA International, Inc.

Date: 09/20/08

Split

Progress

Project Schedule for Kickout Delineation, Parcel 3, Fort Wingate Army Activity Depot, McKinley County, New Mexico Contract #W912BV-04-D-2016 / DY02 Aug Sep Oct Nov 7/27 8/3 8/10 8/17 8/24 8/31 9/7 9/14 9/21 9/28 10/5 10/12 10/19 10/26 11/2 11/9 11/16 **100%** 10/12 10/19 10/26 11/2 11/9 11/16 ID Task Name Start Finish 1 Kickoff Meeting Mon 8/11/08 Mon 8/11/08 2 Tue 8/12/08 Thu 10/9/08 97% Delineation Site Work 3 Tue 8/12/08 Fri 8/22/08 100% North Side 4 Mon 8/25/08 Mon 9/8/08 100% East side Tue 9/9/08 Tue 9/23/08 100% 5 South Side Wed 9/24/08 Thu 10/9/08 100% 6 West Side 7 66% 📻 EM-61 QC Mon 9/15/08 Thu 9/18/08 Mon 10/13/08 Fri 11/14/08 8 Final Report Mon 10/13/08 Thu 10/30/08 9 Draft Report 10 Fri 10/31/08 Mon 11/10/08 COE Review 11 Tue 11/11/08 Thu 11/13/08 Respond to Comments 12 Fri 11/14/08 Fri 11/14/08 Final Report \blacklozenge External Tasks Task Milestone aaraaaar

Summary

Project Summary

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External MileTask 🧇

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Split



WEEKLY REPORT

Contract No:	W912BV-04-D-2016	Report No.	7	
PIKA Project #:	08-12-137	Date:	09-21-08 to 09-27-08	
Project:	Kick-out Investigation, Parcel 3 Boundary, Ft Wingate Army Activity Depot, McKinley County, New Mexico			
Summary of Activities:				
Completed EM-61 QC operations				
Shipped Demolition materials				
 Shipped Ins 	 Shipped Instruments/gear to Stafford, TX 			

- Turned over MEC inventory to FWAD personnel
- Turned over MD/Non-MD scrap to FWAD personnel

Remarks: (include directions received from client's representative or regulators, visitors, compliance notices received, pertinent information)

Work Completed:	This Week	Cumulative	% Complete
Number of Transects completed	0	726	100
Linear Feet of Transects completed	13,986	140,863	100
Linear Feet of Transect QC audits completed	9800	19,055	100
Number of Targets Dug	76	1466	N/A
MEC Items recovered	0	0	N/A
Munitions Debris (MD) recovered (lbs estimate)	0	503	N/A
Scrap Metal/Metals Waste (MW) recovered (lbs estimate)	1	206	N/A

Health and Safety

• Conducted health and safety meetings and task order meetings every morning, prior to commencement of daily activities.



Were there any lost time accidents this week? No x Yes .
If "yes", refer attached summary of incident or OSHA report.

Quality Control					
Inspections Performed	Non- Conformances	Corrective Action (CA)	Follow-up on CA		
Schonstedts	None				
Whites all metal detectors	None				
Vehicle Inspections	None				
 Notes: USACE Safety representative Harmon Slappy on site this week Navajo and Zuni Archeologists were not utilized this week. 					
 Schedule for Next Week. Complete Final Report for Arroyo Clearance, begin Final Report for Kickout Delineation. 					
Refer attached Schedule for percentage of work completed and projected completion dates.					
SUXOS [Dewey Thedford	Safety/QC Officer	John Reott		
UXO Team Lead	Aike Fiedler	Project Manager	Corey Woods		



PHOTO DOCUMENTATION



Breaking Out Base Station Components

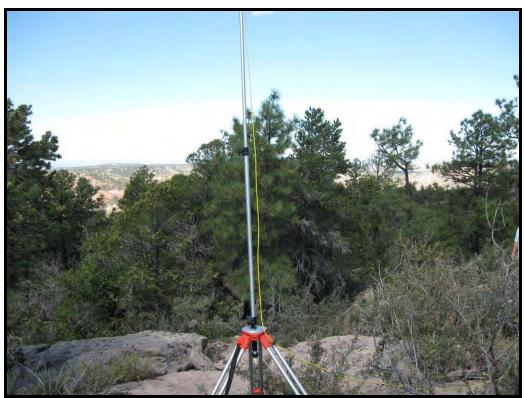


Setting Up GPS Base Station for QC Operations





Setting Up Base Station



Base Station Set Up



Project Schedule for Kickout Delineation, Parcel 3, Fort Wingate Army Activity Depot, McKinley County, New Mexico Contract #W912BV-04-D-2016 / DY02 Aug Sep Oct Nov 7/27 8/3 8/10 8/17 8/24 8/31 9/7 9/14 9/21 9/28 10/5 10/12 10/19 10/26 11/2 11/9 11/16 **100%** 10/12 10/19 10/26 11/2 11/9 11/16 ID Task Name Start Finish 1 Kickoff Meeting Mon 8/11/08 Mon 8/11/08 2 Tue 8/12/08 Thu 10/9/08 100% Delineation Site Work Tue 8/12/08 Fri 8/22/08 100% 3 North Side 4 Mon 8/25/08 Mon 9/8/08 100% East side Tue 9/23/08 5 Tue 9/9/08 100% South Side Wed 9/24/08 Thu 10/9/08 100% 6 West Side 7 100% 🚃 EM-61 QC Mon 9/15/08 Thu 9/18/08 Mon 10/13/08 Fri 11/14/08 8 Final Report 9 Mon 10/13/08 Thu 10/30/08 Draft Report 10 Fri 10/31/08 Mon 11/10/08 COE Review 11 Tue 11/11/08 Thu 11/13/08 Respond to Comments 12 Fri 11/14/08 Fri 11/14/08 **Final Report** ñ \blacklozenge External Tasks Task Milestone Prepared By: PIKA International, Inc. Split External MileTask 🧇 Summary Date: 09/26/08 Progress Project Summary Split ∿



APPENDIX H

Reserved Arroyo TCRA (Not Included)