



Shaw Environmental, Inc.

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Shaw Environmental, Inc.

312 Directors Drive  
Knoxville, TN 37923  
865.690.3211  
Fax 865.690.3626

October 24, 2006

Shaw-MC-CK10-1050  
Project No. 796887

Mr. Lee Coker  
U.S. Army Corps of Engineers, Mobile District  
Attn: EN-GE/Lee Coker  
109 St. Joseph Street  
Mobile, Alabama 36602

**Contract:     DACA21-96-D-0018, Task Order CK10  
                  Fort McClellan, Alabama**

**Subject:       Letter Work Plan for Monitoring Well Abandonments at Multiple Sites  
                  (Revision 1)**

Dear Mr. Coker:

Enclosed is a revised work plan for monitoring well abandonments at multiple sites at Fort McClellan (FTMC) located in Anniston, Alabama. This revised work plan supersedes the version submitted previously. Please discard the previous version.

Shaw Environmental Inc. (Shaw) is planning to abandon 271 groundwater monitoring wells located at multiple sites at FTMC. These sites were previously investigated under the Base Realignment and Closure (BRAC) Environmental Restoration program at FTMC. Of the 271 wells to be abandoned, 145 wells are located at sites previously approved for No Further Action (NFA) by the Alabama Department of Environmental Management (ADEM) and the U.S. Environmental Protection Agency (EPA). Shaw will abandon the wells at the NFA sites first and then perform the remaining well abandonments as the other sites are closed out. The NFA sites and number of wells to be abandoned are discussed in the following section.

## **1.0 Site Descriptions (NFA Sites)**

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### **1.1 Chemical Warfare Material Sites**

Shaw, under contract with the U.S. Army Corps of Engineers (USACE)–Mobile District, completed site investigations at the following chemical warfare material (CWM) sites from 2001 to 2002.

**Old Toxic Training Area, Parcel 188(3).** Parcel 188(3), known as the Old Toxic Training Area is located in the west-central portion of the Main Post (Figure 1). Shaw installed four

permanent groundwater monitoring wells (CWM-188-MW01, CWM-188-MW02, CWM-188-MW03 and CWM-188-MW04) as part of an SI in 2001 (Table 1).

Based on the results of the SI, the U.S. Army implemented no further action at the site with regard to CERCLA-related hazardous substances in October 2003.

**Agent ID Training Area, Parcel 509(3).** Parcel 509(3), known as the Agent ID Training Area is located in the central portion of the Main Post (Figure 1). Shaw installed four permanent groundwater monitoring wells (CWM-509-MW01, CWM-509-MW02, CWM-509-MW03 and CWM-509-MW04) as part of an SI in 2001 (Table 1).

Based on the results of the SI, the U.S. Army implemented no further action at the site with regard to CERCLA-related hazardous substances in March 2003.

**CBR Proficiency Area, Parcel 517(3).** Parcel 517(3) is located in the central portion of the Main Post (Figure 1). Shaw installed four permanent groundwater monitoring wells (CWM-517-MW01, CWM-517-MW02, CWM-517-MW03 and CWM-517-MW04) as part of an SI in 2001 (Table 1).

Based on the results of the SI, the U.S. Army implemented no further action at the site with regard to CERCLA-related hazardous substances in September 2003.

## **1.2 Fuel Training Area Sites**

**GSA Warehouse Area, Parcel 151(3).** The GSA Warehouse Area (Parcel 151[3]) is located in the north-central portion of the Main Post (Figure 1).

Braun Intertec Corporation (Braun) installed four permanent monitoring wells (FTA-151-MW07, FTA-151-MW08, FTA-151-MW09 and FTA-151-MW10) during UST closure activities in June 1994 (Table 1). However, Shaw personnel conducted a recent site visit and it appears that two wells (FTA-151-MW07 and FTA-151-MW08) have been destroyed and the UST removed or possibly abandoned in-place.

The POL Facility, Parcel 4(7) was a petroleum, oil, and lubricant (POL) facility. Parcel 4(3) is located within Parcel 151(3) (Figure 1). Currently, six groundwater monitoring wells (FTA-151-MW01, FTA-151-MW02, FTA-151-MW03, FTA-151-MW04, FTA-151-MW05 and FTA-151-MW06) still exist at the site (Table 1).

Based on the results of the SI and UST closure activities, the U.S. Army implemented no further action at the site with regard to CERCLA-related hazardous substances in December 2002.

**Ammunition Supply Point, Parcel 197(3).** The Ammunition Supply Point (ASP) is located in the central portion of the Main Post (Figure 1). Shaw installed eight groundwater monitoring wells (FTA-197-MW01, FTA-197-MW02, FTA-197-MW03, FTA-197-MW04, FTA-197-MW05, FTA-197-MW06, FTA-197-MW07 and FTA-197-MW08) during an SI (Table 1).

Based on the results of the SI, the U.S. Army implemented no further action at the site with regard to CERCLA-related hazardous substances in March 2001.

### **1.3 Ground Scar Sites**

**Ground Scar with Pit North of Landfill No. 3, Parcel 155(3).** The Ground Scar with Pit North of Landfill No. 3 is located in the northwest portion of the Main Post (Figure 1). The ground scar is located in a wooded area just north of Landfill No. 3. Shaw installed three permanent groundwater monitoring wells (GSBP-155-MW01, GSBP-155-MW02 and GSBP-155-MW03) at the site (Table 1).

Based on the results of the SI, the U.S. Army implemented no further action at the site with regard to CERCLA-related hazardous substances in July 2004.

**Former Sandel Flame Thrower Range, Parcel 97(3).** The Former Sandel Flame Thrower Range is located in the northern-central portion of the Main Post (Figure 1). Shaw installed four permanent groundwater monitoring wells (GSBP-97-MW01, GSBP-97-MW02, GSBP-97-MW03 and GSBP-97-MW04) as part of an SI (Table 1).

Based on the results of the SI, the U.S. Army implemented no further action at the site with regard to CERCLA-related hazardous substances in October 2001.

### **1.4 Historical Range Sites**

**Former Rifle/Machine Gun Range, Parcel 104Q.** The Former Rifle/Machine Gun Range is located in the north-central portion of the Main Post (Figure 1). Shaw installed two permanent groundwater monitoring wells (HR-104Q-MW01 and HR-104Q-MW02) as part of an SI (Table 1). Based on the results of the SI, the U.S. Army implemented no further action at the site with regard to CERCLA-related hazardous substances in September 2005.

**Impact Area Near the Stump Dump, Parcel 135Q.** The Impact Area Near the Stump Dump is located in the central portion of the Main Post (Figure 1). Shaw installed two permanent groundwater monitoring wells (HR-135Q-MW01 and HR-135Q-MW02) as part of an SI (Table 1). Based on the results of the SI, the U.S. Army implemented no further action at the site with regard to CERCLA-related hazardous substances in December 2001.

**Range, Choccolocco Corridor, Parcel 143Q-X.** The Range, Choccolocco Corridor is located within Choccolocco Corridor and east of the Main Post (Figure 1). Shaw installed two permanent groundwater monitoring wells (HR-143Q-MW01 and HR-143-MW02) as part of an SI (Table 1). Based on the results of the SI, the U.S. Army implemented no further action at the site with regard to CERCLA-related hazardous substances in June 2004.

**Ranges South of Range 25, Parcels 224Q, 226Q and 227Q.** The Ranges South of Range 25 are located in the central area of the Main Post (Figure 1). Shaw installed nine monitoring wells within the area of investigation during the SI (Table 1). Based on the results of the SI, the U.S. Army implemented no further action at the site with regard to CERCLA-related hazardous substances in June 2002.

**Ranges West of Iron Mountain Road, Parcels 73Q-X, 91Q-X, 115Q, 116Q-X, 117Q-X, 129Q-X, 151Q, 181(3), 194(3)/518(3), 200Q, 201Q, 228Q, 229Q-X, 231Q, 232Q-X, Washington Tank Range, and 1950 Rocket Launcher Range.** The Ranges West of Iron Mountain Road (RWIMR) are located in the southwestern portion of the FTMC Main Post (Figure 1). Shaw installed 73 permanent groundwater monitoring wells at the RWIMR as part of an SI; however, seven of these monitoring wells (HR-73Q-MW02, HR-73Q-MW04, HR-91Q-MW06, HR-116Q-MW13, HR-229Q-MW01, HR-232QX-MW14 and HR-232QX-MW15) were subsequently abandoned.

The RWIMR are located within very rough and hilly terrain that will require road improvement and perhaps maintenance. Currently, the Alabama Department of Transportation (ALDOT) is clearing the land for the Eastern Bypass Corridor (EBC). Shaw will abandon the remaining 66 monitoring wells, including wells located within the EBC to facilitate clearing and road construction activities within the EBC (Table 1).

Based on the results of the SI, the U.S Army implemented no further action at the RWIMR with regard to CERCLA-related hazardous substances in August 2005.

**Possible Range and Impact Area, Choccolocco Corridor, Parcels 237Q and 238Q.** The Possible Range, Parcel 237Q-X and Impact Area, Parcel 238Q-X are located in the southeastern section of the Choccolocco Corridor (Figure 1). Shaw installed three permanent groundwater monitoring wells (HR-237Q-MW01, HR-237Q-MW02, and HR-238Q-MW01) as part of an SI (Table 1).

Based on the results of the SI, the U.S Army implemented no further action at the site with regard to CERCLA-related hazardous substances in August 2002.

**Former Probable Range, Parcel 247Q.** The Former Probable Range is located in the southwestern corner of the Main Post (Figure 1). Shaw installed six permanent groundwater monitoring wells (HR-247Q-MW01, HR-247Q-MW02, HR-247Q-MW03, HR-247Q-MW04, HR-247Q-MW05 and HR-247Q-MW06) as part of an SI (Table 1).

Based on the results of the SI, the U.S. Army implemented no further action at the site in regards to CERCLA-related hazardous substances in October 2003.

**Range 24 Lower, Parcel 81Q.** Range 24 Lower is located in the east-central area of the Main Post (Figure 1). Shaw installed two groundwater monitoring wells (HR-81Q-MW01 and HR-81Q-MW02) as part of an SI (Table 1). Based on the results of the SI, the U.S. Army implemented no further action with regard to CERCLA-related hazardous substances in May 2002.

**Range 32, Hand Grenade Range, Parcel 90Q.** Range 32 is located in the southeastern portion of the Main Post (Figure 1). Shaw installed five permanent groundwater monitoring wells (HR-90Q-MW01, HR-90Q-MW02, HR-90Q-MW03, HR-90Q-MW04, and HR-90Q-MW05) as part of an SI (Table 1). The U.S. Army implemented no further action with regard to CERCLA-related hazardous substances in February 2002.

**Former Rifle/Machine Gun Range, Parcel 99Q.** The Former Rifle/Machine Gun Range is located in the north-central portion of the Main Post (Figure 1). Shaw installed one groundwater monitoring well (HR-99Q-MW02) during an SI in 2002 (Table 1). Based upon the results of the SI, the U.S. Army implemented no further action with regard to CERCLA-related hazardous substances in April 2003.

**Range 30, Confidence Course (Firing Line), Parcel 88Q; Former Rifle/Machine Gun Range, Parcel 102Q, Former Grenade Range/Area, Parcel 106Q-X; Tank Sub-Caliber/Carbine Transition/Machine Gun Range (OA-08) Grenade Court (OA-15) & Unnamed Small Arms Range.** The Range 30 Firing Line is located in the northern part of the Main Post, east of Reilly Airfield (Figure 1). Shaw installed five permanent groundwater monitoring wells (HR-88Q-MW01, HR-88Q-MW02, HR-88Q-MW03, HR-102Q-MW01 and HR-106Q-MW01) as part of an SI in 2002 (Table 1).

ADEM indicated in a letter dated August 30, 2006, that it concurred with the Army's responses to comments on the Draft-Final SI report for this site, which recommended no further action with regard to CERCLA-related hazardous substances, and considered all comments to be resolved.

### **1.5 Print Plants and Motor Pools**

**Fill Area at Range 30, Parcel 231(7).** The Fill Area at Range 30, Parcel 231Q, is located in the northern-central portion of the FTMC Main Post (Figure 1), approximately 500 feet southeast of Falcon Road. Shaw installed five temporary groundwater monitoring wells (PPMP-231-GP01, PPMP-231-GP02, PPMP-231-GP03, PPMP-231-GP04 and PPMP-231-GP11) during the SI (Table 1).

Based on the results of the SI, the U.S. Army implemented no further action at the site with regard to CERCLA-related hazardous substances in 2006.

## **2.0 Site Descriptions (Sites Pending Closeout)**

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Shaw will abandon the remaining 126 groundwater monitoring wells at the following sites pending closeout of these sites (Table 2).

### **2.1 Chemical Warfare Material Sites**

**Ranges Near Training Area T-24A, Parcels 187(7), 88(6), 108(7)/82Q-X, 112Q, 113Q-X, 213Q and 214Q.** The Ranges Near Training Area T-24A consists of the following parcels located in the southeastern portion of the FTMC Main Post (Figure 2):

- Training Area T-24A, Former Chemical Munitions Disposal Area, Parcel 187(7)
- Range 24A Fog Oil Drum Storage, Parcel 88(6)
- Range 24A Multipurpose Range, Parcel 108(7)/82Q-X
- Former Machine Gun Range, Parcel 112Q
- Former Demolition Area, Parcel 113Q-X
- Former Bandholtz Machine Gun Qualifying Range, Parcel 213Q

- Former Bandholtz Field Firing Range No. 2, Parcel 214Q.

Shaw conducted an SI and RI at Range 24A Fog Oil Drum Storage, Parcel 88(6) and Multipurpose Range, Parcel 108(7)/82Q-X. During the investigation, a total of 57 permanent groundwater monitoring wells (prefixes FTA-88, FTA-108, and R24A-187) were installed at the site. In addition, three permanent groundwater monitoring wells (FTA-108-T24A-G01, FTA-108-T24A-G02 and FTA-108-T24A-G03) (Table 2).

## **2.2 Historical Range Sites**

**Former Tank Ranges, Parcels 92Q-X and 93Q-X, Former Grenade Range, Parcel 107Q-X, and Impact Areas, Parcels 133Q-X and 134Q-X.** The Former Tank Ranges are located in the northern portion of the Main Post (Figure 2). Shaw installed ten permanent groundwater monitoring wells (HR-92Q-MW01, HR-92Q-MW02, HR-92Q-MW03, HR-92Q-MW04, HR-93Q-MW01, HR-93Q-MW02, HR-93Q-MW03, HR-93Q-MW04, HR-107Q-MW01 and HR-107Q-MW02) as part of an SI in 2002 (Table 2).

**Baby Bains Gap Road Ranges: Range 18, Parcel 74Q; Range 20, Parcel 76Q-X; Range 23, Parcel 79Q; Range 26, Parcel 84Q-X; Range 25, Parcel 83Q and 118Q-X; Range 25 East, Parcel 223Q; Range 28, Parcel 86Q.** The Baby Bains Gap Road (BBGR) Ranges are located in the central section of the Main Post (Figure 2). Shaw installed 18 permanent groundwater monitoring wells at the BBGR Ranges in 2001 as part of a remedial investigation. However, only two of the wells (HR-84Q-MW03 and HR-84Q-MW04) are the Army's responsibility to abandon (Table 2). The remaining wells will be abandoned by the Anniston-Calhoun County Fort McClellan Development Joint Powers Authority (JPA).

**Bains Gap Road Ranges; Range 24 Upper, Parcel 80Q; Range 21, Parcel 77Q, Range 22, Parcel 78Q, Former Mortar Range (Firing Line), Parcel 109Q and Range 27, Parcel 85Q.** The Bains Gap Road Ranges are comprised of four small-arms ranges located just south of Bains Gap Road in the central-eastern section of the Main Post (Figure 2). Shaw installed 18 permanent groundwater monitoring wells as part of an RI in 2001 (Table 2).

**Iron Mountain Road Ranges: Skeet Range, Parcel 69Q, Range 19, Parcel 75Q, Range 13, Parcel 71Q, Range 12, Parcel 70Q, Former Rifle Grenade Range at Skeet Range, Parcel 222Q-X; Former Rifle Grenade Range North of Washington Ranges, Parcel 221Q-X; and AST at Range 13, Parcel 176(7).** The Iron Mountain Road (IMR) Ranges are a series of former small arms ranges located in the western portion of the Main Post, east of Iron Mountain Road and south of Summerall Gate Road (Figure 2). Shaw installed eight monitoring wells at the ranges as part of an RI in 2001. However, only three of the wells (HR-70Q-MW01, HR-70Q-MW02, and HR-231Q-MW01) are the Army's responsibility to abandon (Table 2). The remaining wells will be abandoned by the JPA.

**Former Choccolocco Corridor Ranges.** The Former Choccolocco Corridor Ranges consist of the following former small arms ranges and impact areas located west of the Choccolocco Mountains in Choccolocco Corridor, near the eastern boundary of the Main Post (Figure 2):

- Former Range 40, Parcel 94Q, and Range, Choccolocco Corridor, Parcel 146Q
- Former Range 41, Parcel 95Q and Impact Area, Parcel 131Q-X
- Former Range 42, Parcel 96Q; Range, Choccolocco Corridor, Parcel 145Q-X; and Impact Area, Choccolocco Corridor, Parcel 148Q-X
- Former Range 43, Parcel 97Q, Range, Choccolocco Corridor, Parcel 144Q-X; and Impact Area, Choccolocco Corridor, Parcel 147Q-X

During SI/RI activities at these ranges, Shaw installed a total of 23 monitoring wells (Table 2).

**Former Rifle/Machine Gun Range, Parcel 98Q.** The Former Rifle/Machine Gun Range, Parcel 98Q, is located near the intersection of MOUT Road and Syracuse Street in the north-central portion of the FTMC Main Post (Figure 2). As part of an SI, Shaw installed two permanent groundwater monitoring wells (HR-98Q-MW01 and HR-98Q-MW02) at the site (Table 2).

**Former 81mm Mortar Range, Parcel 137Q-X.** The Former 81mm Mortar Range, Parcel 137Q-X, is located along the installation boundary in the northeastern corner of the Main Post (Figure 2). Shaw installed four monitoring wells (HR-137Q-MW01 through HR-137Q-MW04) at this site as part of an RI in 2002 (Table 2).

### 2.3 Background Wells

Four existing background wells are located on U.S. Fish and Wildlife property and are the Army's responsibility to abandon (Figure 2). Three of the background wells (BK-G03, BK-G04, and BK-G06) are located in the vicinity of the Ranges Near Training Area T-24A site and will be abandoned during abandonment of the wells at that site. The fourth background well (BK-G08) is located just north of Bains Gap Road in the western-central area of the Main Post. The background well designations (prefix "BK") are shown in Table 2.

## 3.0 Field Activities

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Shaw will abandon the 145 groundwater monitoring wells at the NFA sites first (Table 1). The remaining wells at sites pending closeout (Table 2) will be abandoned at later dates, as these sites are closed out and with approval from the Army. Monitoring well abandonment activities will follow the procedures in Appendix C of the Installation-Wide Sampling and Analysis Plan (SAP), *Standard Operating Procedure (SOP) for Monitoring Well Abandonment*. The SOP addresses the supplies and equipment to be used and establishes guidelines and procedures for field personnel to use in the supervision of groundwater monitoring well abandonment activities. The SOP follows the procedures and guidelines established by the ADEM, Ground Water Branch. Shaw will subcontract an Alabama-licensed driller to perform the actual well abandonment activities.

All work conducted during this field effort will be performed in accordance with the Installation-Wide Safety and Health Plan and the attached Site-Specific Safety and Health Plan. The

presence of unexploded ordnance (UXO) is possible at some sites, most notably the small-arms ranges and historical ranges. Therefore, Shaw will conduct UXO avoidance procedures as outlined in the attached site-specific munitions and explosives of concern (MEC) safety plan and Appendix E of the SAP.

For sites outside of known UXO areas that have been previously investigated, the presence of UXO is unlikely. Therefore, Shaw personnel will closely observe these areas during well abandonment activities and leave the site and notify UXO support if suspect items are found.

At your request, I have distributed copies of this work plan as indicated below. If you have questions, or need further information, please contact me at (865) 694-7361.

Sincerely,

A handwritten signature in black ink that reads "S. G. Moran for". The signature is written in a cursive, flowing style.

Stephen G. Moran, PG  
Project Manager

Distribution: Lisa Holstein, U.S. Army TF (6 copies, 2 CDs)  
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Table 1

**Monitoring Well Construction Summary - Wells at NFA Sites  
Well Abandonments at Multiple Sites  
Fort McClellan, Alabama**

(Page 1 of 5)

Well Designation	UXO Support Required? (Yes/No)	Northing	Easting	Well Depth (ft bgs)	Screen Length (ft)	Screen Interval (ft bgs)	Well Material
CWM-188-MW01	Yes	1167028.50	668098.55	30	15	15 - 30	2" ID SCH 40 PVC
CWM-188-MW02	Yes	1167106.61	668150.95	25	15	10 - 25	2" ID SCH 40 PVC
CWM-188-MW03	Yes	1167098.93	668264.01	40	15	25 - 40	2" ID SCH 40 PVC
CWM-188-MW04	Yes	1167273.55	668236.68	25	15	10 - 25	2" ID SCH 40 PVC
CWM-509-MW01	Yes	1168384.53	671298.71	19	10	9 - 19	2" ID SCH 40 PVC
CWM-509-MW02	Yes	1168481.03	671377.42	19	10	9 - 19	2" ID SCH 40 PVC
CWM-509-MW03	Yes	1168525.86	671279.35	12	10	1.8 - 11.8	2" ID SCH 40 PVC
CWM-509-MW04	Yes	1168586.93	671467.48	22	15	6.5 - 21.5	2" ID SCH 40 PVC
CWM-517-MW01	Yes	1167812.95	668973.19	35	10	25 - 35	2" ID SCH 40 PVC
CWM-517-MW02	Yes	1167768.84	669232.74	18	10	8 - 18	2" ID SCH 40 PVC
CWM-517-MW03	Yes	1167981.67	669204.63	10	5	5 - 10	2" ID SCH 40 PVC
CWM-517-MW04	Yes	1168141.85	669129.43	14	10	4 - 14	2" ID SCH 40 PVC
FTA-151-MW01	No	1170366.83	670165.38	*12	*10	*2-12	4" ID SCH 80 PVC
FTA-151-MW02	No	1170373.05	670140.91	*12	*10	*2-12	4" ID SCH 80 PVC
FTA-151-MW03	No	1170408.08	670020.25	*12	*10	*2-12	4" ID SCH 80 PVC
FTA-151-MW04	No	1170437.09	670094.50	*12	*10	*2-12	4" ID SCH 80 PVC
FTA-151-MW05	No	1170422.07	670163.26	*12	*10	*2-12	4" ID SCH 80 PVC
FTA-151-MW06	No	1170409.96	670233.57	*12	*10	*2-12	4" ID SCH 80 PVC
FTA-151-MW07	No	1170335.04	669006.22	*15	*10	*5-15	4" ID SCH 80 PVC
FTA-151-MW08	No	1170308.19	668991.74	*15	*10	*5-15	4" ID SCH 80 PVC
FTA-151-MW09	No	1170305.12	668968.94	*15	*10	*5-15	4" ID SCH 80 PVC
FTA-151-MW10	No	1170318.16	668956.08	*15	*10	*5-15	4" ID SCH 80 PVC
FTA-197-MW01	Yes	1175243.00	674134.22	12	10	1.0 - 11	2" ID SCH 40 PVC
FTA-197-MW02	Yes	1174968.82	673040.87	15	5	10 - 15	2" ID SCH 40 PVC
FTA-197-MW03	Yes	1174522.44	672850.36	26	10	16 - 26	2" ID SCH 40 PVC
FTA-197-MW04	Yes	1174054.21	672872.19	29	15	14 - 29	2" ID SCH 40 PVC
FTA-197-MW05	Yes	1174621.75	673959.75	66	15	50.8 - 65.8	2" ID SCH 40 PVC
FTA-197-MW06	Yes	1173772.56	673273.07	30	15	13.5 - 28.5	2" ID SCH 40 PVC
FTA-197-MW07	Yes	1174188.61	673785.44	89	20	67 - 87	2" ID SCH 40 PVC
FTA-197-MW08	Yes	1173947.70	673554.77	54	15	37 - 52	2" ID SCH 40 PVC
GSBP-155-MW01	Yes	1181305.02	669661.48	57	10	46.3 - 56.3	2" ID SCH 40 PVC
GSBP-155-MW02	Yes	1181317.51	669573.43	54	20	32 - 52	2" ID SCH 40 PVC
GSBP-155-MW03	Yes	1181367.18	669688.22	53	10	42.6 - 52.6	2" ID SCH 40 PVC
GSBP-97-MW01	Yes	1166613.40	669525.05	16	10	5.5 - 15.5	2" ID SCH 40 PVC

Table 1

**Monitoring Well Construction Summary - Wells at NFA Sites  
Well Abandonments at Multiple Sites  
Fort McClellan, Alabama**

(Page 2 of 5)

Well Designation	UXO Support Required? (Yes/No)	Northing	Easting	Well Depth (ft bgs)	Screen Length (ft)	Screen Interval (ft bgs)	Well Material
GSBP-97-MW02	Yes	1166629.48	669687.84	19	10	9 - 19	2" ID SCH 40 PVC
GSBP-97-MW03	Yes	1166509.92	669812.17	22	15	7 - 22	2" ID SCH 40 PVC
GSBP-97-MW04	Yes	1166400.65	669643.07	24	15	8.5 - 23.5	2" ID SCH 40 PVC
HR-102Q-MW01	No	1180740.44	674796.08	39	20	19 - 39	PVC SCH 40
HR-104Q-MW01	Yes	1178867.79	673621.32	30	15	15 - 30	2" ID SCH 40 PVC
HR-104Q-MW02	Yes	1179282.59	673765.62	73	20	52.5 - 72.5	2" ID SCH 40 PVC
HR-106Q-MW01	No	1181125.30	673948.38	35	15	20 - 35	PVC SCH 40
HR-115Q-MW01	Yes	1161819.38	660363.94	28	20	7.8 - 27.8	2" ID SCH 40 PVC
HR-115Q-MW02	Yes	1161657.80	660446.95	30	15	14.65 - 29.65	2" ID SCH 40 PVC
HR-115Q-MW03	Yes	1161527.82	660361.16	35	15	19.95 - 34.95	2" ID SCH 40 PVC
HR-115Q-MW04	Yes	1161328.30	660354.22	40	15	25 - 40	2" ID SCH 40 PVC
HR-115Q-MW05	Yes	1161519.28	660531.57	77	20	56.6 - 76.6	2" ID SCH 40 PVC
HR-116Q-MW01	Yes	1159831.94	661249.00	71	20	50.86 - 70.86	2" ID SCH 40 PVC
HR-116Q-MW02	Yes	1159331.70	661549.08	84	20	64 - 84	2" ID SCH 40 PVC
HR-116Q-MW03	Yes	1160867.56	662286.67	28	15	12.6 - 27.6	2" ID SCH 40 PVC
HR-116Q-MW04	No	1161117.89	664776.06	49	20	29 - 49	2" ID SCH 40 PVC
HR-116Q-MW05	No	1161660.86	664402.45	74	20	53.5 - 73.5	2" ID SCH 40 PVC
HR-116Q-MW06	Yes	1159573.40	661592.44	50	20	30 - 50	2" ID SCH 40 PVC
HR-116Q-MW07	Yes	1160508.14	662406.59	48	20	27.4 - 47.4	2" ID SCH 40 PVC
HR-116Q-MW08	Yes	1160163.97	662277.53	57	20	37.0 - 57.0	2" ID SCH 40 PVC
HR-116Q-MW09	Yes	1159923.48	662323.45	55	20	34.5 - 54.5	2" ID SCH 40 PVC
HR-116Q-MW10	Yes	1159805.75	662637.83	104	20	84 - 104	2" ID SCH 40 PVC
HR-116Q-MW11	Yes	1159605.65	662348.57	22	10	12 - 22	2" ID SCH 40 PVC
HR-116Q-MW12	Yes	1160528.30	663308.14	36	15	21 - 36	2" ID SCH 40 PVC
HR-116Q-MW13	No	1159976.76	665030.01	80	20	59.4 - 79.4	2" ID SCH 40 PVC
HR-116Q-MW14	No	1159278.08	664937.53	108	20	88 - 108	2" ID SCH 40 PVC
HR-116Q-MW15	Yes	1161653.96	662505.54	71	20	51 - 71	2" ID SCH 40 PVC
HR-117Q-MW01	Yes	1161091.37	661328.53	18	10	8 - 18	2" ID SCH 40 PVC
HR-117Q-MW02	Yes	1160812.78	661139.75	26	10	16 - 26	2" ID SCH 40 PVC
HR-117Q-MW03	Yes	1161375.07	660654.14	74	30	44 - 74	2" ID SCH 40 PVC
HR-117Q-MW04	Yes	1160814.23	660245.95	37	15	21.7 - 36.7	2" ID SCH 40 PVC
HR-117Q-MW05	Yes	1161296.64	660662.13	115	30	85 - 115	2" ID SCH 40 PVC
HR-117Q-MW06	Yes	1160992.50	661710.00	30	10	20 - 30	2" ID SCH 40 PVC
HR-117Q-MW07	Yes	1160199.73	660727.02	117	20	96.6 - 116.6	2" ID SCH 40 PVC

Table 1

**Monitoring Well Construction Summary - Wells at NFA Sites  
Well Abandonments at Multiple Sites  
Fort McClellan, Alabama**

(Page 3 of 5)

Well Designation	UXO Support Required? (Yes/No)	Northing	Easting	Well Depth (ft bgs)	Screen Length (ft)	Screen Interval (ft bgs)	Well Material
HR-117Q-MW08	Yes	1162204.07	662083.15	35	20	15 - 35	2" ID SCH 40 PVC
HR-135Q-MW01	Yes	1171551.11	676592.73	39	15	22 - 37	2" ID SCH 40 PVC
HR-135Q-MW02	Yes	1171858.10	676797.02	39	15	22 - 37	2" ID SCH 40 PVC
HR-143Q-MW01	Yes	1178589.85	696433.77	58	20	38 - 58	2" ID SCH 40 PVC
HR-143Q-MW02	Yes	1177855.88	695810.44	40	15	25 - 40	2" ID SCH 40 PVC
HR-151Q-MW01	Yes	1161743.77	660683.79	54	20	33.35 - 53.35	2" ID SCH 40 PVC
<i>HR-181-MW01</i>	<i>No</i>	<i>1164931.68</i>	<i>662670.84</i>	<i>73</i>	<i>20</i>	<i>52.5 - 72.5</i>	<i>2" ID SCH 40 PVC</i>
<i>HR-181-MW02</i>	<i>No</i>	<i>1165050.89</i>	<i>662676.09</i>	<i>59</i>	<i>15</i>	<i>44 - 59</i>	<i>2" ID SCH 40 PVC</i>
<i>HR-181-MW03</i>	<i>No</i>	<i>1165081.81</i>	<i>662517.05</i>	<i>38</i>	<i>20</i>	<i>18 - 38</i>	<i>2" ID SCH 40 PVC</i>
HR-194-MW01	Yes	1163833.12	660708.28	83	20	62.5 - 82.5	2" ID SCH 40 PVC
HR-194-MW02	Yes	1164039.83	660436.50	64	20	44 - 64	2" ID SCH 40 PVC
HR-194-MW03	Yes	1164089.92	660789.05	91	20	71 - 91	2" ID SCH 40 PVC
HR-201Q-MW01	Yes	1162372.46	660515.70	45	20	25 - 45	2" ID SCH 40 PVC
HR-201Q-MW02	Yes	1162559.55	660786.52	50	20	30 - 50	2" ID SCH 40 PVC
HR-224Q-MW01	Yes	1166075.13	675239.57	16	10	5.5 - 15.5	2" ID SCH 40 PVC
HR-224Q-MW03	Yes	1166045.13	675553.85	21	15	5.5 - 20.5	2" ID SCH 40 PVC
HR-224Q-MW04	Yes	1166274.45	675674.31	30	10	19.5 - 29.5	2" ID SCH 40 PVC
HR-224Q-MW05	Yes	1166114.52	675108.68	8	5	3 - 8	2" ID SCH 40 PVC
HR-226Q-MW02	Yes	1166049.71	675702.13	30	15	15 - 30	2" ID SCH 40 PVC
HR-226Q-MW04	Yes	1165823.09	675550.18	15	10	5 - 15	2" ID SCH 40 PVC
HR-227Q-MW01	Yes	1164755.37	675382.68	37	10	27 - 37	2" ID SCH 40 PVC
HR-227Q-MW02	Yes	1165185.03	675165.87	44	15	29 - 44	2" ID SCH 40 PVC
HR-227Q-MW03	Yes	1164874.61	675395.80	23	10	13 - 23	2" ID SCH 40 PVC
HR-228Q-MW01	Yes	1165662.02	664066.30	64	20	44 - 64	2" ID SCH 40 PVC
HR-228Q-MW02	Yes	1165552.49	664187.88	83	20	63 - 83	2" ID SCH 40 PVC
HR-232QX-MW01	Yes	1164235.27	661400.92	66	15	51 - 66	2" ID SCH 40 PVC
<i>HR-232QX-MW02</i>	<i>No</i>	<i>1164835.13</i>	<i>661844.34</i>	<i>65</i>	<i>15</i>	<i>50 - 65</i>	<i>2" ID SCH 40 PVC</i>
HR-232QX-MW03	Yes	1166821.54	666772.03	34	20	14 - 34	2" ID SCH 40 PVC
HR-232QX-MW04	Yes	1165646.63	668002.96	68	15	52.5 - 67.5	2" ID SCH 40 PVC
HR-232QX-MW05	Yes	1165941.48	667829.76	60	15	44.7 - 59.7	2" ID SCH 40 PVC
HR-232QX-MW06	Yes	1166560.09	666380.69	33	15	18 - 33	2" ID SCH 40 PVC
HR-232QX-MW07	Yes	1163835.59	659988.68	25	15	10 - 25	2" ID SCH 40 PVC
HR-232QX-MW08	Yes	1164368.01	661472.32	103	15	88 - 103	2" ID SCH 40 PVC
HR-232QX-MW09	Yes	1164486.62	661650.69	36	15	20.5 - 35.5	2" ID SCH 40 PVC

Table 1

Monitoring Well Construction Summary - Wells at NFA Sites  
Well Abandonments at Multiple Sites  
Fort McClellan, Alabama

(Page 4 of 5)

Well Designation	UXO Support Required? (Yes/No)	Northing	Easting	Well Depth (ft bgs)	Screen Length (ft)	Screen Interval (ft bgs)	Well Material
HR-232QX-MW10	Yes	1166344.09	667673.42	44	15	29 - 44	2" ID SCH 40 PVC
HR-232QX-MW11	No	1164962.55	662800.40	60	15	45 - 60	2" ID SCH 40 PVC
HR-232QX-MW12	No	1164908.13	663144.17	75	20	54.25 - 74.25	2" ID SCH 40 PVC
HR-232QX-MW13	Yes	1165930.52	663217.62	69	20	49 - 69	2" ID SCH 40 PVC
HR-232QX-MW16	Yes	1166209.44	666539.26	40	15	25 - 40	2" ID SCH 40 PVC
HR-232QX-MW17	Yes	1166673.91	667459.70	36	10	25.5 - 35.5	2" ID SCH 40 PVC
HR-232QX-MW18	Yes	1166546.99	667606.52	38	15	22.5 - 37.5	2" ID SCH 40 PVC
HR-232QX-MW19	Yes	1165808.22	667938.11	64	20	43.2 - 63.2	2" ID SCH 40 PVC
HR-237Q-MW01	No	1168185.09	702386.48	25	15	10 - 25	2" ID SCH 40 PVC
HR-237Q-MW02	No	1167636.46	702285.49	16	10	5.8 - 15.8	2" ID SCH 40 PVC
HR-238Q-MW01	No	1167789.34	704191.89	33	15	18 - 33	2" ID SCH 40 PVC
HR-247Q-MW01	Yes	1153279.52	668105.75	19	10	9 - 19	2" ID SCH 40 PVC
HR-247Q-MW02	Yes	1152876.96	668671.73	35	15	20 - 35	2" ID SCH 40 PVC
HR-247Q-MW03	Yes	1153330.42	668784.42	20	10	10 - 20	2" ID SCH 40 PVC
HR-247Q-MW04	Yes	1153049.43	667942.59	25	10	15 - 25	2" ID SCH 40 PVC
HR-247Q-MW05	Yes	1152828.52	668492.19	37	20	16.6 - 36.6	2" ID SCH 40 PVC
HR-247Q-MW06	Yes	1152594.51	668414.50	35	10	25 - 35	2" ID SCH 40 PVC
HR-73Q-MW01	Yes	1165007.06	663389.19	119	30	89 - 119	2" ID SCH 40 PVC
HR-73Q-MW03	No	1164386.21	663550.48	86	15	71 - 86	2" ID SCH 40 PVC
HR-81Q-MW01	Yes	1170872.58	681983.47	14	10	3.5 - 13.5	2" ID SCH 40 PVC
HR-81Q-MW02	Yes	1170629.65	681864.58	34	15	18.5 - 33.5	2" ID SCH 40 PVC
HR-88Q-MW01	Yes	1180343.25	674343.92	66	20	46 - 66	2" ID SCH 40 PVC
HR-88Q-MW02	Yes	1180634.06	674406.87	43	15	28 - 43	2" ID SCH 40 PVC
HR-88Q-MW03	Yes	1180905.90	674235.20	49	20	29.2 - 49.2	2" ID SCH 40 PVC
HR-90Q-MW01	Yes	1159971.05	676368.41	19	10	9 - 19	2" ID SCH 40 PVC
HR-90Q-MW02	Yes	1160053.39	675834.74	59	15	42 - 57	2" ID SCH 40 PVC
HR-90Q-MW03	Yes	1159225.13	675781.73	83	25	58 - 83	2" ID SCH 40 PVC
HR-90Q-MW04	Yes	1159244.68	675551.24	68	20	48 - 68	2" ID SCH 40 PVC
HR-90Q-MW05	Yes	1159092.32	675749.52	83	20	63 - 83	2" ID SCH 40 PVC
HR-91Q-MW01	Yes	1163474.91	663077.55	40	20	20 - 40	2" ID SCH 40 PVC
HR-91Q-MW02	Yes	1163637.82	662566.88	28	10	18 - 28	2" ID SCH 40 PVC

Table 1

**Monitoring Well Construction Summary - Wells at NFA Sites  
Well Abandonments at Multiple Sites  
Fort McClellan, Alabama**

(Page 5 of 5)

Well Designation	UXO Support Required? (Yes/No)	Northing	Easting	Well Depth (ft bgs)	Screen Length (ft)	Screen Interval (ft bgs)	Well Material
<i>HR-91Q-MW03</i>	No	1163333.66	663599.51	87	20	66.75 - 86.75	2" ID SCH 40 PVC
<i>HR-91Q-MW04</i>	No	1163330.39	663964.69	145	20	124.75 - 144.75	2" ID SCH 40 PVC
HR-91Q-MW05	Yes	1162744.99	662556.90	62	20	42 - 62	2" ID SCH 40 PVC
<i>HR-91Q-MW07</i>	No	1163336.70	664470.76	39	20	18.75 - 38.75	2" ID SCH 40 PVC
<i>HR-91Q-MW08</i>	No	1162591.79	664616.49	40	15	24.7 - 39.7	2" ID SCH 40 PVC
<i>HR-91Q-MW09</i>	No	1161944.59	664504.77	45	20	25 - 45	2" ID SCH 40 PVC
HR-99Q-MW02	Yes	1178600.56	679466.16	70	20	50 - 70	2" ID SCH 40 PVC
PPMP-231-GP01	Yes	1180250.12	674902.70	38	15	23 - 38	2" ID SCH 40 PVC
PPMP-231-GP02	Yes	1180468.27	675290.82	35	15	19.5 - 34.5	2" ID SCH 40 PVC
PPMP-231-GP03	Yes	1180105.56	674934.89	38	15	22.75 - 37.75	2" ID SCH 40 PVC
PPMP-231-GP04	Yes	1180052.35	674891.44	12	NA	NA	2" ID SCH 40 PVC
PPMP-231-GP11	Yes	1179996.19	674959.13	39	20	18.75 - 38.75	2" ID SCH 40 PVC

**Bold** font indicates monitoring well was not installed by Shaw.

*Italic* font indicates well is located within the Eastern Bypass Corridor.

Horizontal coordinates referenced to the U.S. State Plane Coordinate System, Alabama East Zone, North American Datum of 1983.

Elevations referenced to the North American Vertical Datum of 1988.

2" ID SCH 40 PVC - 2-inch inside diameter, Schedule 40, polyvinyl chloride.

4" ID SCH 80 PVC - 4-inch inside diameter, Schedule 80, polyvinyl chloride.

amsl - Above mean sea level.

bgs - Below ground surface.

ft - Feet.

NFA - No Further Action

\* - Estimated from drill log and/or sample collection log.

Table 2

**Monitoring Well Construction Summary - Sites Pending Closeout  
Well Abandonments at Multiple Sites  
Fort McClellan, Alabama**

(Page 1 of 4)

Well Designation	UXO Support Required? (Yes/No)	Northing	Easting	Well Depth (ft bgs)	Screen Length (ft)	Screen Interval (ft bgs)	Well Material
<b>BK-G03</b>	<b>Yes</b>	<b>1157953.67</b>	<b>678921.61</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
<b>BK-G04</b>	<b>Yes</b>	<b>1157953.67</b>	<b>678921.61</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
<b>BK-G06</b>	<b>Yes</b>	<b>1157766.70</b>	<b>678796.87</b>	<b>20</b>	<b>10</b>	<b>9.3 - 19.3</b>	<b>4" ID SCH 40 PVC</b>
<b>BK-G08</b>	<b>Yes</b>	<b>1170209.19</b>	<b>681059.61</b>	<b>55</b>	<b>10</b>	<b>45 - 55</b>	<b>4" ID SCH 40 PVC</b>
FTA-108-GP01	Yes	1158192.22	678837.14	24	15	9 - 24	2" ID SCH 40 PVC
FTA-108-GP02	Yes	1158203.47	678863.77	24	15	9 - 24	2" ID SCH 40 PVC
FTA-108-GP03	Yes	1158083.90	678913.77	23	15	8 - 23	2" ID SCH 40 PVC
FTA-108-GP04	Yes	1158870.58	678676.50	29	15	14 - 29	2" ID SCH 40 PVC
FTA-108-GP05	Yes	1158704.50	678998.85	24	15	9 - 24	2" ID SCH 40 PVC
FTA-108-GP06	Yes	1158109.96	679036.40	14	10	4 - 14	2" ID SCH 40 PVC
FTA-108-GP07	Yes	1158009.14	679617.75	14	10	4 - 14	2" ID SCH 40 PVC
FTA-108-GP08	Yes	1158108.00	680055.38	42	20	22 - 42	2" ID SCH 40 PVC
FTA-108-GP09	Yes	1158542.82	680289.84	44	20	21 - 41	2" ID SCH 40 PVC
FTA-108-GP10	Yes	1158736.85	679731.69	35	15	20 - 35	2" ID SCH 40 PVC
<b>FTA-108-T24A-G01</b>	<b>Yes</b>	<b>1158634.43</b>	<b>679464.53</b>	<b>100</b>	<b>10</b>	<b>87 - 97</b>	<b>4" ID SCH 40 PVC</b>
<b>FTA-108-T24A-G02</b>	<b>Yes</b>	<b>1158423.80</b>	<b>679341.61</b>	<b>30</b>	<b>10</b>	<b>17 - 27</b>	<b>4" ID SCH 40 PVC</b>
<b>FTA-108-T24A-G03</b>	<b>Yes</b>	<b>1158342.91</b>	<b>679736.53</b>	<b>40</b>	<b>10</b>	<b>26 - 36</b>	<b>4" ID SCH 40 PVC</b>
FTA-88-GP01	Yes	1158599.77	678328.61	19	15	4 - 19	2" ID SCH 40 PVC
FTA-88-GP02	Yes	1158623.90	678287.75	19	15	4 - 19	2" ID SCH 40 PVC
FTA-88-GP03	Yes	1158510.31	678267.07	29	15	14 - 29	2" ID SCH 40 PVC
FTA-88-GP04	Yes	1158693.65	678299.86	15	10	5 - 15	2" ID SCH 40 PVC
HR-107Q-MW01	Yes	1181390.39	677472.61	35	15	20 - 35	2" ID SCH 40 PVC
HR-107Q-MW02	Yes	1181053.26	677495.76	90	15	75 - 90	2" ID SCH 40 PVC
HR-131Q-MW01	No	1174412.67	695232.95	52	20	31.65 - 51.65	2" ID SCH 40 PVC
HR-144Q-MW01	No	1176954.76	694526.81	30	10	20 - 30	2" ID SCH 40 PVC
HR-145Q-MW01	No	1174917.09	694708.57	46	20	25.65 - 45.65	2" ID SCH 40 PVC
HR-145Q-MW02	No	1175362.13	695518.74	25	10	14.65 - 24.65	2" ID SCH 40 PVC
HR-146Q-MW01	No	1172977.03	693276.13	23	10	12.5 - 22.5	2" ID SCH 40 PVC
HR-146Q-MW02	No	1173957.83	694001.43	27	15	12 - 27	2" ID SCH 40 PVC
HR-147Q-MW01	No	1176629.79	694898.90	65	20	45 - 65	2" ID SCH 40 PVC
HR-147Q-MW02	No	1176867.77	695365.66	46	20	26 - 46	2" ID SCH 40 PVC
HR-148Q-MW01	No	1175583.03	694829.35	30	10	19.7 - 29.7	2" ID SCH 40 PVC
HR-70Q-MW01	Yes	1161721.29	664879.80	30	20	9.6 - 29.6	2" ID SCH 40 PVC
HR-70Q-MW02	Yes	1161730.76	664882.64	76	10	66 - 76	4" ID SCH 80 PVC
HR-77Q-MW01	Yes	1168961.11	680694.32	53	20	33.3 - 53.3	2" ID SCH 40 PVC
HR-77Q-MW02	Yes	1168937.58	680701.72	98	20	78 - 98	4" ID SCH 80 PVC

Table 2

**Monitoring Well Construction Summary - Sites Pending Closeout  
Well Abandonments at Multiple Sites  
Fort McClellan, Alabama**

(Page 2 of 4)

Well Designation	UXO Support Required? (Yes/No)	Northing	Easting	Well Depth (ft bgs)	Screen Length (ft)	Screen Interval (ft bgs)	Well Material
HR-77Q-MW03	Yes	1169459.76	680544.44	25	15	10 - 25	2" ID SCH 40 PVC
HR-77Q-MW04	Yes	1168917.00	680049.53	27	15	12 - 27	2" ID SCH 40 PVC
HR-78Q-MW01	Yes	1169324.11	679799.25	38	15	22.8 - 37.8	2" ID SCH 40 PVC
HR-78Q-MW02	Yes	1169311.09	679793.63	95	20	75 - 95	4" ID SCH 80 PVC
HR-78Q-MW03	Yes	1169377.82	679374.17	14	10	4 - 14	2" ID SCH 40 PVC
HR-80Q-GP01	Yes	1169375.02	681781.24	8	5	3.0 - 8.0	2" ID SCH 40 PVC
HR-80Q-MW01	Yes	1169171.10	681924.19	7	5	1.9 - 6.9	2" ID SCH 40 PVC
HR-80Q-MW02	Yes	1168987.93	681902.43	18	10	8 - 18	2" ID SCH 40 PVC
HR-80Q-MW03	Yes	1168961.59	681793.72	18	10	8 - 18	2" ID SCH 40 PVC
HR-80Q-MW04	Yes	1168715.50	681686.53	25	10	15 - 25	2" ID SCH 40 PVC
HR-80Q-MW05	Yes	1168913.66	681521.41	14	10	4 - 14	2" ID SCH 40 PVC
HR-80Q-MW06	Yes	1168560.44	681683.18	30	10	20 - 30	2" ID SCH 40 PVC
HR-84Q-MW03	Yes	1165835.76	677829.96	75	20	55 - 75	4" ID SCH 80 PVC
HR-84Q-MW04	Yes	1165733.97	678089.94	31	15	16 - 31	2" ID SCH 40 PVC
HR-85Q-MW01	Yes	1168968.43	678235.30	55	20	35 - 55	2" ID SCH 40 PVC
HR-85Q-MW02	Yes	1168972.89	678244.91	100	20	80 - 100	4" ID SCH 80 PVC
HR-85Q-MW03	Yes	1169153.40	678902.80	15	10	5 - 15	2" ID SCH 40 PVC
HR-85Q-MW05	Yes	1169116.13	678657.45	13	10	3 - 13	2" ID SCH 40 PVC
HR-92Q-MW01	Yes	1181725.74	677610.88	12	5	6.5 - 11.5	2" ID SCH 40 PVC
HR-92Q-MW02	Yes	1181025.36	678277.44	90	20	70 - 90	2" ID SCH 40 PVC
HR-92Q-MW03	Yes	1180844.90	678481.98	56	20	36 - 56	2" ID SCH 40 PVC
HR-92Q-MW04	Yes	1180590.42	678461.17	60	20	40 - 60	2" ID SCH 40 PVC
HR-93Q-MW01	Yes	1180613.32	677653.19	60	20	40 - 60	2" ID SCH 40 PVC
HR-93Q-MW02	Yes	1180626.17	677936.02	104	20	84 - 104	2" ID SCH 40 PVC
HR-93Q-MW03	Yes	1180085.74	677932.41	44	20	24 - 44	2" ID SCH 40 PVC
HR-93Q-MW04	Yes	1179555.94	677549.11	40	15	25 - 40	2" ID SCH 40 PVC
HR-94Q-MW01	No	1174529.98	693498.13	66	30	36 - 66	2" ID SCH 40 PVC
HR-94Q-MW02	No	1174050.39	694532.69	55	20	35 - 55	2" ID SCH 40 PVC
HR-95Q-MW01	No	1174908.99	694174.91	60	30	29.65 - 59.65	2" ID SCH 40 PVC
HR-95Q-MW02	No	1174848.83	694542.48	35	10	24.65 - 34.65	2" ID SCH 40 PVC
HR-95Q-MW03	No	1174611.63	694957.65	45	20	24.65 - 44.65	2" ID SCH 40 PVC
HR-96Q-MW01	No	1175890.35	694938.66	45	15	29.65 - 44.65	2" ID SCH 40 PVC
HR-98Q-MW01	Yes	1179769.61	680511.89	30	15	15 - 30	2" ID SCH 40 PVC
HR-98Q-MW02	Yes	1179007.18	680876.68	70	20	50 - 70	2" ID SCH 40 PVC
HR-137Q-MW01	Yes	1180506.49	685655.31	33	15	17.5 - 32.5	2" ID SCH 40 PVC

Table 2

Monitoring Well Construction Summary - Sites Pending Closeout  
Well Abandonments at Multiple Sites  
Fort McClellan, Alabama

(Page 3 of 4)

Well Designation	UXO Support Required? (Yes/No)	Northing	Easting	Well Depth (ft bgs)	Screen Length (ft)	Screen Interval (ft bgs)	Well Material
HR-137Q-MW02	Yes	1180585.09	685618.00	33	15	18 - 33	2" ID SCH 40 PVC
HR-137Q-MW03	Yes	1180685.30	685394.60	25	10	15 - 25	2" ID SCH 40 PVC
HR-137Q-MW04	Yes	1180469.62	685432.03	50	15	35 - 50	2" ID SCH 40 PVC
HR-231Q-MW01	Yes	1159465.51	661341.18	84	20	64 - 84	2" ID SCH 40 PVC
HR-CCRI-MW01	No	1173837.99	693730.71	56	30	26 - 56	2" ID SCH 40 PVC
HR-CCRI-MW02	No	1174130.33	693637.51	51	18	33.3 - 51.3	2" ID SCH 40 PVC
HR-CCRI-MW03	No	1174309.58	693979.62	40	20	19.7 - 39.7	2" ID SCH 40 PVC
HR-CCRI-MW06	No	1173045.58	693110.99	41	10	30.7 - 40.7	2" ID SCH 40 PVC
HR-CCRI-MW07	No	1176160.95	693944.00	75	20	54.9 - 74.9	2" ID SCH 40 PVC
HR-CCRI-MW08	No	1176570.71	694162.11	55	20	34.5 - 54.5	2" ID SCH 40 PVC
HR-CCRI-MW09	No	1176933.46	694228.00	76	30	46 - 76	2" ID SCH 40 PVC
HR-CCRI-MW10	No	1174609.43	693503.64	52	20	32.2 - 52.2	2" ID SCH 40 PVC
R24A-187-MW01	Yes	1158720.59	678650.55	45	20	20 - 40	2" ID SCH 40 PVC
R24A-187-MW02	Yes	1159046.52	678840.85	44	10	34.1 - 44.1	2" ID SCH 40 PVC
R24A-187-MW03	Yes	1158872.40	678989.98	44	15	26 - 41	2" ID SCH 40 PVC
R24A-187-MW04	Yes	1158990.15	679364.67	62	20	39 - 59	2" ID SCH 40 PVC
R24A-187-MW05	Yes	1158741.29	679160.65	46	20	26 - 46	2" ID SCH 40 PVC
R24A-187-MW06	Yes	1158627.82	679469.16	59	20	34 - 54	2" ID SCH 40 PVC
R24A-187-MW07	Yes	1158710.08	678648.20	90	10	76.8 - 86.8	4" ID SCH 80 PVC
R24A-187-MW08	Yes	1159036.76	678841.58	75	10	61.2 - 71.2	4" ID SCH 80 PVC
R24A-187-MW09	Yes	1158867.34	678977.31	75	10	61.8 - 71.8	4" ID SCH 80 PVC
R24A-187-MW10	Yes	1158975.42	679361.05	110	10	97.5 - 107	4" ID SCH 80 PVC
R24A-187-MW11	Yes	1158731.11	679163.44	70	10	58.8 - 68.8	4" ID SCH 80 PVC
R24A-187-MW12	Yes	1158628.13	679460.14	147	10	135.8 - 145.8	4" ID SCH 80 PVC
R24A-187-MW13	Yes	1158694.62	678998.66	75	10	64 - 74	4" ID SCH 80 PVC
R24A-187-MW14	Yes	1158433.57	679334.01	100	15	82.6 - 97.6	4" ID SCH 80 PVC
R24A-187-MW15	Yes	1158323.48	679745.35	103	15	87.5 - 102.5	4" ID SCH 80 PVC
R24A-187-MW16	Yes	1159439.40	678212.64	24	10	8.8 - 18.8	2" ID SCH 40 PVC
R24A-187-MW17	Yes	1159574.96	678431.68	38	15	18 - 33	2" ID SCH 40 PVC
R24A-187-MW18	Yes	1158734.30	679740.47	111	10	97 - 107	4" ID SCH 80 PVC
R24A-187-MW19	Yes	1158383.99	679826.00	30	10	19.5 - 29.5	2" ID SCH 40 PVC
R24A-187-MW20	Yes	1158888.40	679345.95	152	10	138.3 - 148.3	4" ID SCH 80 PVC
R24A-187-MW21	Yes	1158717.76	679170.30	132	10	118.8 - 128.8	4" ID SCH 80 PVC
R24A-187-MW22	Yes	1158644.55	679455.98	245	10	232 - 242	2" ID SCH 40 PVC
R24A-187-MW23	Yes	1158333.48	679770.34	170	10	159.5 - 169.5	4" ID SCH 80 PVC

Table 2

Monitoring Well Construction Summary - Sites Pending Closeout  
Well Abandonments at Multiple Sites  
Fort McClellan, Alabama

(Page 4 of 4)

Well Designation	UXO Support Required? (Yes/No)	Northing	Easting	Well Depth (ft bgs)	Screen Length (ft)	Screen Interval (ft bgs)	Well Material
R24A-187-MW24	Yes	1158467.31	679513.23	300	20	280 - 300	2.5" ID SCH 80 PVC
R24A-187-MW25	Yes	1158444.36	679508.28	30	10	20 - 30	2" ID SCH 40 PVC
R24A-187-MW28	Yes	1158402.26	679500.95	30	10	20 - 30	2" ID SCH 40 PVC
R24A-187-MW29	Yes	1158427.64	679482.99	30	10	20 - 30	2" ID SCH 40 PVC
R24A-187-MW30	Yes	1158392.51	679530.64	30	10	20 - 30	2" ID SCH 40 PVC
R24A-187-MW35	Yes	1158306.08	679565.65	30	10	20 - 30	2" ID SCH 40 PVC
R24A-187-MW36	Yes	1158286.98	679576.01	30	10	20 - 30	2" ID SCH 40 PVC
R24A-187-MW38	Yes	1158292.84	679587.96	25	10	15 - 25	2" ID SCH 40 PVC
R24A-187-MW40	Yes	1158166.24	679628.47	275	20	255 - 275	2.5" ID SCH 80 PVC
R24A-187-MW41	Yes	1158228.00	679366.86	233	10	223 - 233	2" PVC SCH 40 - Prepack
R24A-187-MW42	Yes	1158465.62	679338.48	243	20	222 - 242	2.5" ID SCH 80 PVC
R24A-187-MW43	Yes	1158790.24	679002.21	220	20	200 - 220	2.5" ID SCH 80 PVC
R24A-187-MW44	Yes	1158938.45	679128.71	224	20	204 - 224	2.5" ID SCH 80 PVC
R24A-187-MW45	Yes	1158872.00	679359.85	183	20	163 - 183	2" PVC SCH 40 - Prepack
R24A-187-MW46	Yes	1158621.67	679453.50	350	20	330 - 350	2.5" ID SCH 80 PVC
R24A-187-MW47	Yes	1159473.68	678075.65	40	15	25 - 40	2" ID SCH 40 PVC
R24A-187-MW48	Yes	1158752.53	679664.23	290	20	270 - 290	2.5" ID SCH 80 PVC
R24A-187-MW49	Yes	1158547.09	679578.76	287	20	267 - 287	2.5" ID SCH 80 PVC
R24A-187-MW50	Yes	1158884.99	679742.88	301	20	280.9 - 300.9	2.5" ID SCH 80 PVC
R24A-187-MW51	Yes	1158552.14	679217.43	259	20	239 - 259	2.5" ID SCH 80 PVC

**Bold** font indicates monitoring well was not installed by Shaw.

Horizontal coordinates referenced to the U.S. State Plane Coordinate System, Alabama East Zone, North American Datum of 1983.

Elevations referenced to the North American Vertical Datum of 1988.

2" ID Sch. 40 PVC - 2-inch inside diameter, Schedule 40, polyvinyl chloride.

2.5" ID Sch 80 PVC - 2.5-inch inside diameter, Schedule 80, polyvinyl chloride

4" ID Sch. 80 PVC - 4-inch inside diameter, Schedule 80, polyvinyl chloride.

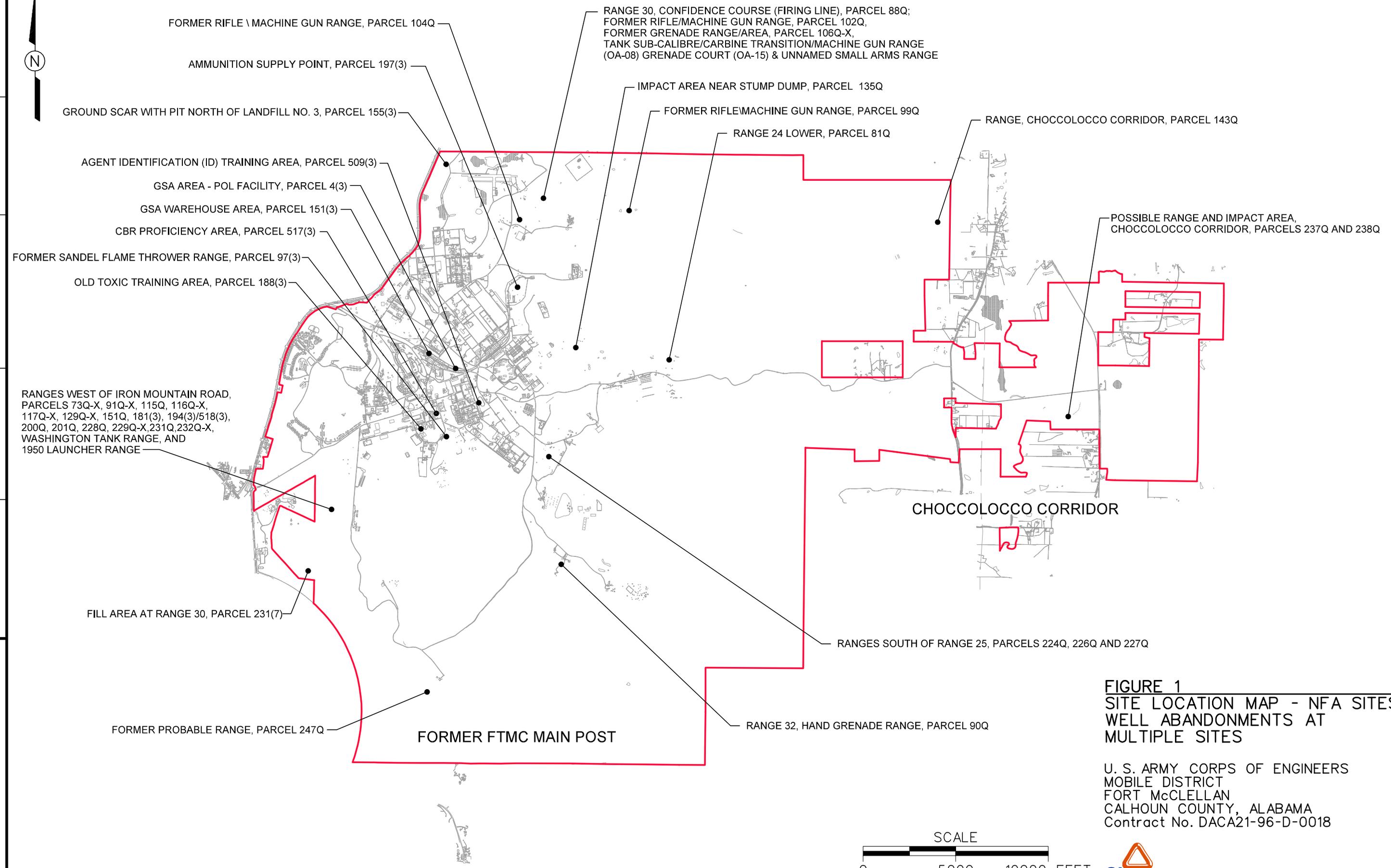
amsl - Above mean sea level.

bgs - Below ground surface.

ft - Feet.

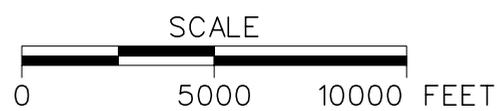
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 PROJ. NO.: 796887  
 INITIATOR: J. TARR  
 PROJ. MGR.: S. MORAN  
 DRAFT. CHK. BY:  
 ENGR. CHK. BY:  
 DATE LAST REV.:  
 DRAWN BY:  
 STARTING DATE: 10/10/06  
 DRAWN BY: D. BOMAR

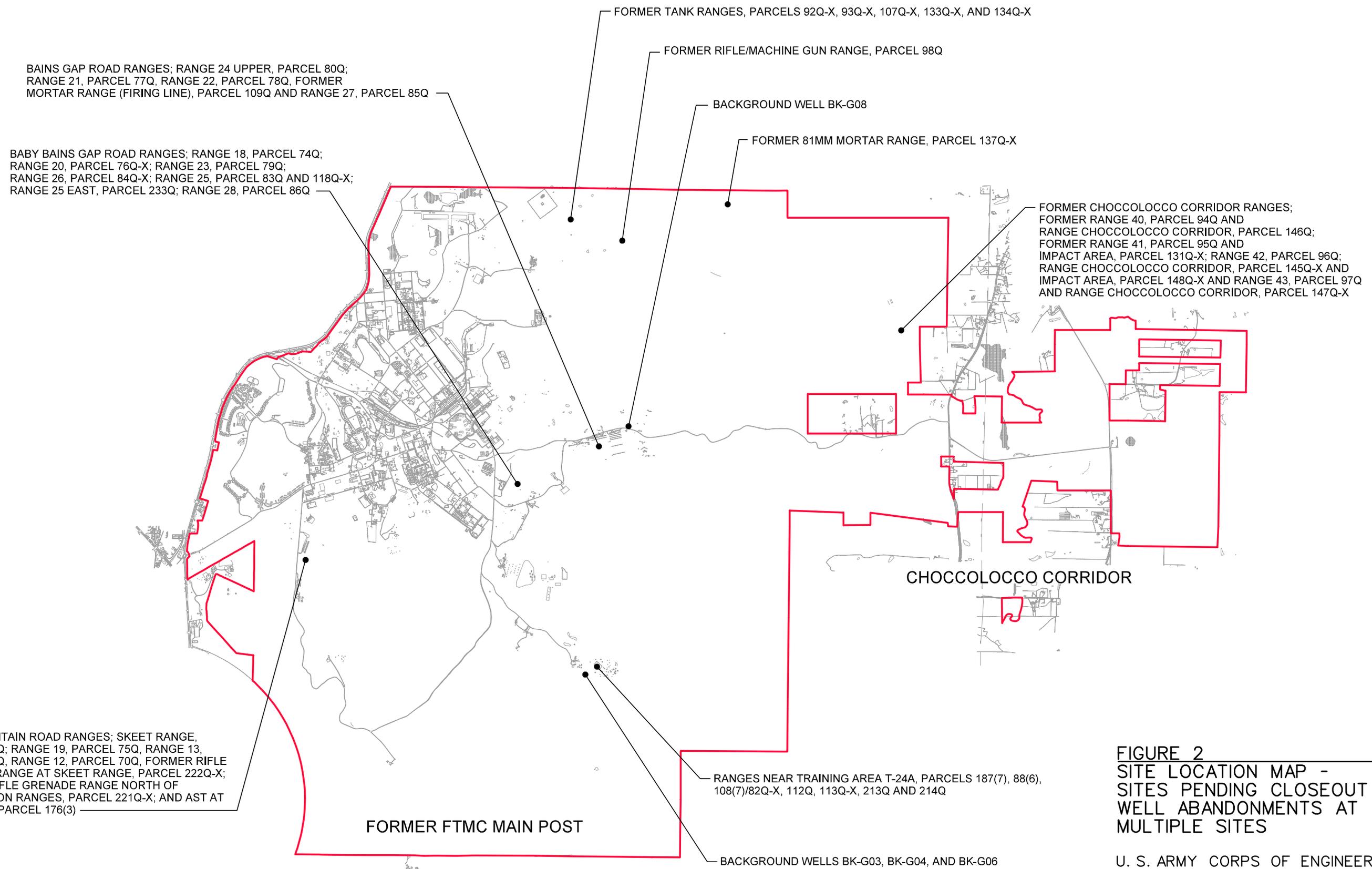


**FIGURE 1**  
 SITE LOCATION MAP - NFA SITES  
 WELL ABANDONMENTS AT  
 MULTIPLE SITES

U. S. ARMY CORPS OF ENGINEERS  
 MOBILE DISTRICT  
 FORT McCLELLAN  
 CALHOUN COUNTY, ALABAMA  
 Contract No. DACA21-96-D-0018



10/24/2006 10:18:53 AM  
 DWG. NO.: 796887es.938  
 PROJ. NO.: 796887  
 INITIATOR: J. TARR  
 PROJ. MGR.: S. MORAN  
 DRAFT. CHK. BY:  
 ENGR. CHK. BY:  
 DATE LAST REV.:  
 DRAWN BY:  
 STARTING DATE: 10/11/06  
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 PROJ. MGR.: S. MORAN  
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 ENGR. CHK. BY:  
 DATE LAST REV.:  
 DRAWN BY:  
 STARTING DATE: 10/11/06  
 DRAWN BY: D. BOMAR



**FIGURE 2**  
 SITE LOCATION MAP -  
 SITES PENDING CLOSEOUT  
 WELL ABANDONMENTS AT  
 MULTIPLE SITES

U. S. ARMY CORPS OF ENGINEERS  
 MOBILE DISTRICT  
 FORT McCLELLAN  
 CALHOUN COUNTY, ALABAMA  
 Contract No. DACA21-96-D-0018

