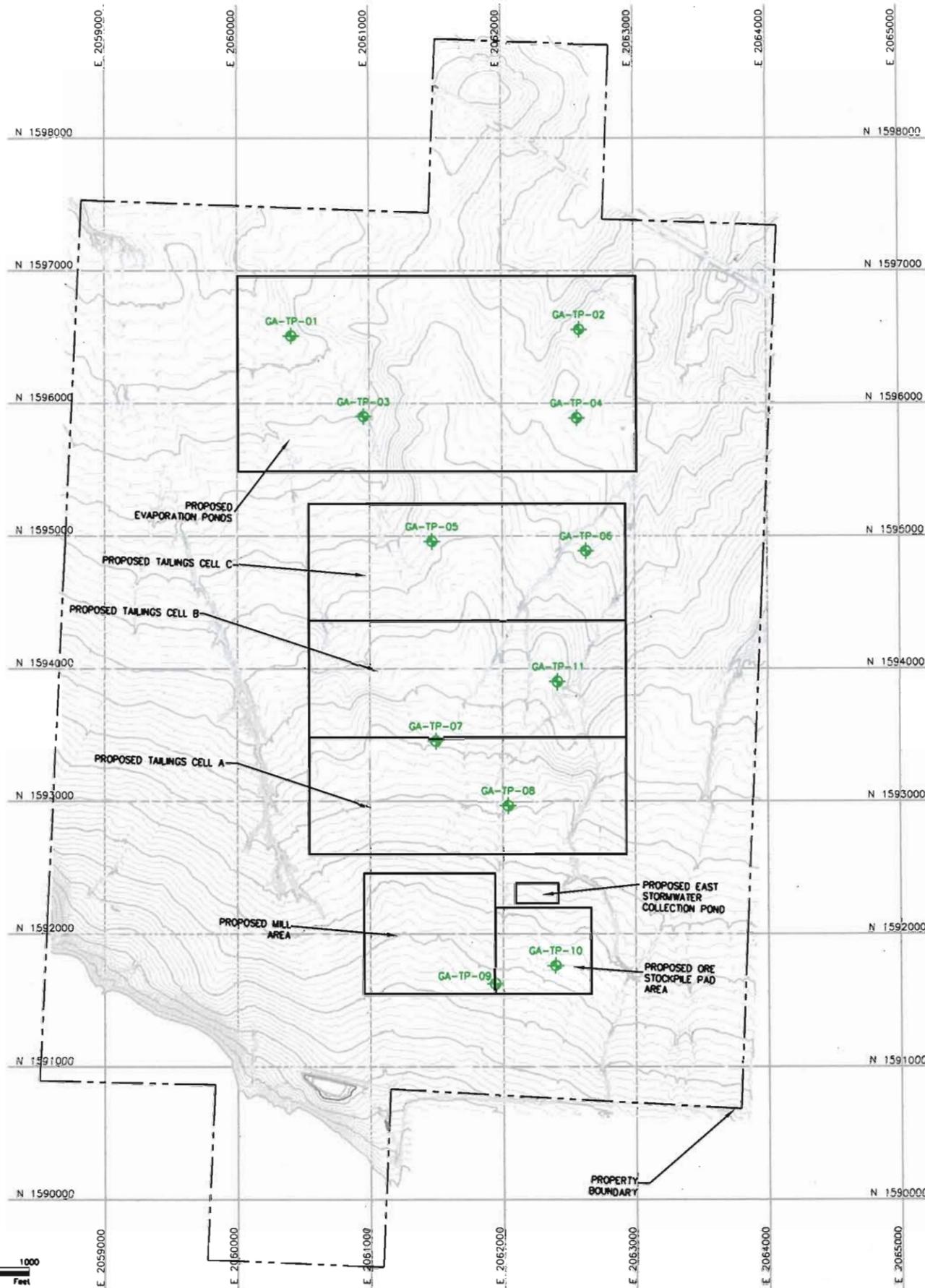


I.D.	Northing	Easting	Elevation
GA-TP-01	1596508.7	2060410.5	5425.1
GA-TP-02	1596555.9	2062587.4	5444.3
GA-TP-03	1595901.2	2060958.5	5439.9
GA-TP-04	1595685.0	2062566.9	5445.8
GA-TP-05	1594959.4	2061470.7	5467.1
GA-TP-06	1594687.2	2062632.2	5455.6
GA-TP-07	1593460.0	2061496.2	5498.2
GA-TP-08	1592971.3	2062035.9	5508.4
GA-TP-09	1591630.0	2061943.2	5542.5
GA-TP-10	1591765.7	2062391.3	5536.1
GA-TP-11	1593903.6	2062412.6	5483.8



LEGEND

- GA-TP-10 GOLDER 2007 GEOTECHNICAL PHASE 2 TEST PIT LOCATIONS
- PROPERTY BOUNDARY
- PROPOSED APPROXIMATE FACILITY AREAS

NOTES

- TEST PITS GA-TP-1 THROUGH GA-TP-11 WERE EXCAVATED ON 11/1/2007 AND 11/2/2007, USING A CATERPILLAR MODEL 430D BACKHOE OPERATED BY HIGH DESERT CONSTRUCTION. A GOLDER FIELD REPRESENTATIVE LOGGED THE TEST PITS AND COLLECTED SAMPLES OF MATERIALS FOR LABORATORY TESTING.

REFERENCES

- TWO-FOOT CONTOUR BASE MAP PROVIDED BY KLEINFELDER IN JUNE 2006, CREATED FROM DRAWING BY ACCURATE SURVEY & ENGINEERING DATED 9/6/2007.
- COORDINATES ARE PROVIDED IN THE COLORADO STATE PLANE (SOUTH ZONE) COORDINATE SYSTEM USING NAD83 AS THE HORIZONTAL DATUM.
- ELEVATIONS PROVIDED ARE IN FEET ABOVE MEAN SEA LEVEL USING NAVD83 AS THE VERTICAL DATUM.
- TABLE 2-1 REFLECTS THE PROPOSED DRILLING LOCATIONS. ACTUAL DRILLING LOCATIONS TYPICALLY VARY BY 5 FEET LATEROALLY.

Dwg Name: N:\07\073-81694\07301694A009.dwg
 Layout Name: 1117 Landscape PDF Machine: DC11-W-MIDWEST
 Plot Date: Mar 08, 2010 16:45 By: M120121

REV	DATE	DES	REVISION DESCRIPTION	JOE	KFM	JMJ
	9/25/08	KFM	ISSUED FOR REPORT			
		CADD		CADD	CHK	RWJ
PROJECT ENERGY FUELS RESOURCES CORPORATION PIÑON RIDGE PROJECT MONTROSE COUNTY, COLORADO						
TITLE TEST PIT LOCATIONS						
PROJECT No. 073-81694		FILE No. 07381694A009				
DESIGN	JOE	04/08	SCALE AS SHOWN	REV. A		
CADD	MTM	03/10	DRAWING			
CHECK	SPS	03/10	1			
REVIEW						



**TEST PIT NO.
GA-TP-01**

FIELD TEST PIT LOG



PROJECT NO.: 073-81694
 DATE: November 1, 2007
 TIME: 1505
 LOCATION: 1596508.7 N 2060410.5 E
 ELEVATION: 5425.1
 ENGINEER: J. Elliott
 EQUIPMENT: Backhoe - CAT 430D
 OPERATOR: Donny - High Desert Construction
 WATER LEVEL N/A
 Surface condition: Test pit was excavated on the flat valley floor. Test pit was approximately 10 feet long, by 3 feet wide, by 10 feet deep. Two samples were collected.
 ROOT DEPTH N/A

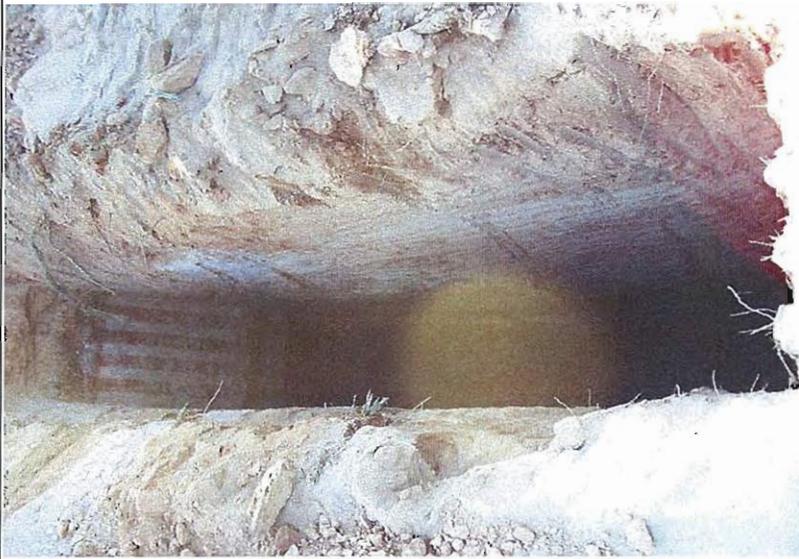
Depth (ft.)	SAMPLE NO.	DESCRIPTION OF MATERIAL [(GROUP NAME (GROUP SYMBOL), moisture, angularity, HCL reaction, structure, max. particle size, gravel/cobble hardness, dry strength, dilatancy, toughness, local name, geologic interpretation)]
0 -5	1	Sample 1 - Brown sandy, silty CLAY (CL-ML), slightly moist to moist (BULK SAMPLE)
5-10	2	Sample 2 - Reddish brown, weakly to moderately cemented sandy SILT (ML) and silty SAND (SM), dry (BULK SAMPLE)

EXCAVATION NOTES:

1. Operator notes consistent excavation conditions throughout pit profile.

**TEST PIT NO.
GA-TP-02**

FIELD TEST PIT LOG



PROJECT NO.:	073-81694
DATE:	November 2, 2007
TIME:	0740
LOCATION:	1596555.9 N 2062587.4 E
ELEVATION:	5444.3
ENGINEER:	J. Elliott
EQUIPMENT:	Backhoe - CAT 430D
OPERATOR:	Donny - High Desert Construction
WATER LEVEL	N/A
Surface condition: Test pit was excavated on the flat valley floor. Test pit was approximately 12 feet long, by 3 feet wide, by 11 feet deep. Two samples were collected.	
ROOT DEPTH	N/A

Depth (FL)	SAMPLE NO.	DESCRIPTION OF MATERIAL [(GROUP NAME (GROUP SYMBOL), moisture, angularity, HCL reaction, structure, max. particle size, gravel/cobble hardness, dry strength, dilatancy, toughness, loca name, geologic interpretation)]
0-2		Reddish brown silty SAND (SM), slightly moist to moist (TOPSOIL)
2-6	1	Sample 1 - Light reddish brown silty SAND (SM), trace very fine sand, weakly to moderately cemented, dry (BULK SAMPLE)
6-10.5	2	Sample 2 - Reddish brown sandy, silty CLAY (CL-ML), trace white sandy clay, trace gravel, dry (BULK SAMPLE)

EXCAVATION NOTES:

TEST PIT NO.
GA-TP-03

FIELD TEST PIT LOG



PROJECT NO.: 073-81694
 DATE: November 1, 2007
 TIME: 1540
 LOCATION: 1595901.2 N 2060958.5 E
 ELEVATION: 5439.9
 ENGINEER: J. Elliott
 EQUIPMENT: Backhoe - CAT 430D
 OPERATOR: Donny - High Desert Construction
 WATER LEVEL N/A
 Surface condition: Test pit was excavated on the flat valley floor. Test pit was approximately 10 feet long, by 3 feet wide, by 11 feet deep. Three samples were collected.
 ROOT DEPTH N/A

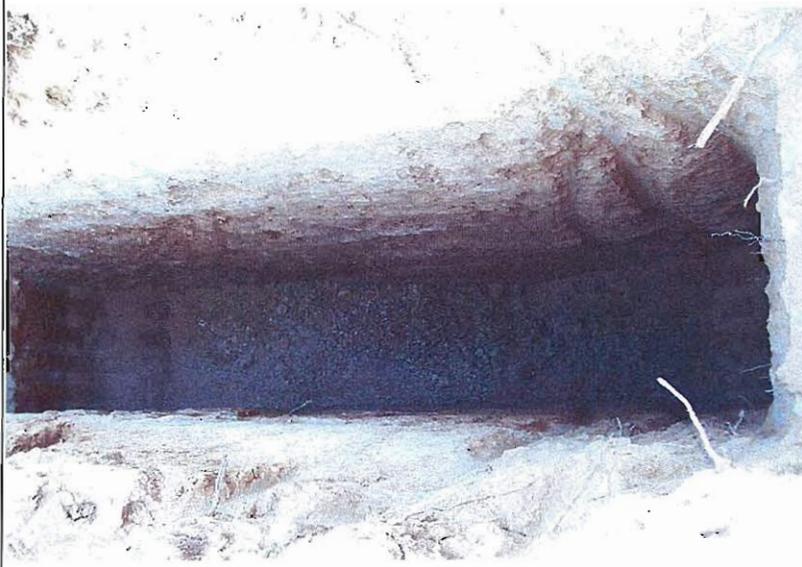
Depth (Ft.)	SAMPLE NO.	DESCRIPTION OF MATERIAL [(GROUP NAME (GROUP SYMBOL), moisture, angularity, HCL reaction, structure, max. particle size, gravel/cobble hardness, dry strength, dilatancy, toughness, local name, geologic interpretation)]
0-4	1	Sample 1 -Reddish brown, very fine grained silty SAND (SM), dry to slightly moist (BULK SAMPLE)
4-9	2	Sample 2 - Light reddish brown, very fine grained silty SAND (SM), trace to little gravel, dry (BULK SAMPLE)
6-10.5	3	Sample 3 - Light reddish brown, very fine to fine grained silty SAND (SM), little gravel, little cobbles, trace medium to coarse sand, dry (BULK SAMPLE)

EXCAVATION NOTES:

1. Operator notes cobbly material in bottom 2 feet

**TEST PIT NO.
GA-TP-04**

FIELD TEST PIT LOG



PROJECT NO.: 073-81694
 DATE: November 2, 2007
 TIME: 0910
 LOCATION: 1595889.0 N 2062566.9 E
 ELEVATION: 5445.8
 ENGINEER: J. Elliott
 EQUIPMENT: Backhoe - CAT 430D
 OPERATOR: Donny - High Desert Construction
 WATER LEVEL N/A
 Surface condition: Test pit was excavated on the flat valley floor. Test pit was approximately 10 feet long, by 3 feet wide, by 10 feet deep. Two samples were collected.
 ROOT DEPTH N/A

Depth (FL)	SAMPLE NO.	DESCRIPTION OF MATERIAL [(GROUP NAME (GROUP SYMBOL), moisture, angularity, HCL reaction, structure, max. particle size, gravel/cobble hardness, dry strength, dilatancy, toughness, loca name, geologic interpretation)]
0-2		Light reddish brown, very fine grained silty SAND (SM), slightly moist
2-5	1	Sample 1 - Light tan to white silty, clayey SAND (SC-SM), chalky, dry (BULK SAMPLE)
5-10	2	Sample 2 - Reddish brown silty SAND (SM), trace gravel, trace cobbles (BULK SAMPLE)

EXCAVATION NOTES:

**TEST PIT NO.
GA-TP-05**

FIELD TEST PIT LOG



PROJECT NO.: 073-81694
 DATE: November 1, 2007
 TIME: 1630
 LOCATION: 1594959.4 N 2061470.7 E
 ELEVATION: 5467.1
 ENGINEER: J. Elliott
 EQUIPMENT: Backhoe - CAT 430D
 OPERATOR: Donny - High Desert Construction
 WATER LEVEL: N/A
 Surface condition: Test pit was excavated on the flat valley floor. Test pit was approximately 12 feet long, by 3 feet wide, by 10 feet deep. Two samples were collected.
 ROOT DEPTH: N/A

Depth (FL)	SAMPLE NO.	DESCRIPTION OF MATERIAL [(GROUP NAME (GROUP SYMBOL), moisture, angularity, HCL reaction, structure, max particle size, gravel/cobble hardness, dry strength, dilatancy, toughness, local name, geologic interpretation)]
0-2	1	Sample 1 - Brown, very fine grained sandy SILT (ML), slightly moist to moist (TOPSOIL) (BULK SAMPLE)
2-4	1	Sample 1 - Light reddish brown silty SAND (SM), weakly to moderately cemented, dry (BULK SAMPLE)
4-9.5	2	Sample 2 - Reddish brown, very fine grained silty SAND (SM), trace fine to coarse sand, trace gravel, weakly cemented, dry (BULK SAMPLE)

EXCAVATION NOTES:

**TEST PIT NO.
GA-TP-06**

FIELD TEST PIT LOG



PROJECT NO.:	073-81694	
DATE:	November 2, 2007	
TIME:	0840	
LOCATION:	1594887.2 N	2062632.2 E
ELEVATION:	5456.6	
ENGINEER:	J. Elliott	
EQUIPMENT:	Backhoe - CAT 430D	
OPERATOR:	Donny - High Desert Construction	
WATER LEVEL:	N/A	
Surface condition: Test pit was excavated on the flat valley floor. Test pit was approximately 12 feet long, by 3 feet wide, by 10 feet deep. Two samples were collected.		
ROOT DEPTH:	N/A	

Depth (Ft.)	SAMPLE NO.	DESCRIPTION OF MATERIAL [(GROUP NAME (GROUP SYMBOL), moisture, angularity, HCL reaction, structure, max. particle size, gravel/cobble hardness, dry strength, dilatancy, toughness, local name, geologic interpretation)]
0-3		Reddish brown silty SAND (SM), moist
3-6	1	Sample 1 - Light reddish brown silty SAND (SM), some gravel some cobbles, trace boulders, dry (BULK SAMPLE)
6-10	2	Sample 2 - Reddish brown, very fine grained silty, clayey SAND (SC-SM), dry (BULK SAMPLE)

EXCAVATION NOTES:

1. Cobbles ≤12" dia. and boulders ≤24" dia. Excavated from test pit

**TEST PIT NO.
GA-TP-07**

FIELD TEST PIT LOG



PROJECT NO.: 073-81694
 DATE: November 2, 2007
 TIME: 0950
 LOCATION: 1593460.0 N 2061496.2 E
 ELEVATION: 5498.2
 ENGINEER: J. Elliott
 EQUIPMENT: Backhoe - CAT 430D
 OPERATOR: Donny - High Desert Construction
 WATER LEVEL: N/A
 Surface condition: Test pit was excavated on the flat valley floor. Test pit was approximately 10 feet long, by 3 feet wide, by 10 feet deep. Two samples were collected.
 ROOT DEPTH: N/A

Depth (Ft.)	SAMPLE NO.	DESCRIPTION OF MATERIAL [(GROUP NAME (GROUP SYMBOL), moisture, angularity, HCL reaction, structure, max. particle size, gravel/cobble hardness, dry strength, dilatancy, toughness, local name, geologic interpretation)]
0-1.5		Brown, very fine grained silty SAND (SM), slightly moist
1.5-5	1	Sample 1 - Light reddish brown, very fine grained silty SAND (SM), trace clay, trace gravel, dry (BULK SAMPLE)
5-9	2	Sample 2 - same as above (1.5 to 5 feet) (BULK SAMPLE)
9-10		COBBLES and GRAVEL

EXCAVATION NOTES:

TEST PIT NO.
GA-TP-08

FIELD TEST PIT LOG



PROJECT NO.: 073-81694
 DATE: November 2, 2007
 TIME: 1040
 LOCATION: 1592971.3 N 2062039.9 E
 ELEVATION: 5508.4
 ENGINEER: J. Elliott
 EQUIPMENT: Backhoe - CAT 430D
 OPERATOR: Donny - High Desert Construction
 WATER LEVEL N/A
 Surface condition: Test pit was excavated on the flat valley floor. Test pit was approximately 9 feet long, by 3 feet wide, by 10 feet deep. Two samples were collected.
 ROOT DEPTH N/A

Depth (Ft.)	SAMPLE NO.	DESCRIPTION OF MATERIAL ((GROUP NAME (GROUP SYMBOL), moisture, angularity, HCL reaction, structure, max. particle size, gravel/cobble hardness, dry strength, dilatancy, toughness, loca name, geologic interpretation)
0-1		Brown sandy SILT (ML), slightly moist to moist
1-2.5	1	Sample 1 - Reddish brown, very fine grained clayey SAND (SC), trace fine to coarse sand, trace gravel, dry to slightly moist (BULK SAMPLE)
2.5-10	2	Sample 2 - Light reddish brown, well-graded, silty GRAVEL (GW-GM), some fine to coarse sand, little (BULK SAMPLE)

EXCAVATION NOTES:

1. Difficult excavation / harder soil - similar to GA-TP-11. More cobbles and boulders.

TEST PIT NO.
GA-TP-09

FIELD TEST PIT LOG



PROJECT NO.: 073-81694
 DATE: November 2, 2007
 TIME: 1140
 LOCATION: 1591630.0 N 2061943.2 E
 ELEVATION: 5542.5
 ENGINEER: J. Elliott
 EQUIPMENT: Backhoe - CAT 430D
 OPERATOR: Donny - High Desert Construction
 WATER LEVEL N/A
 Surface condition: Test pit was excavated on the flat valley floor. Test pit was approximately 9 feet long, by 3 feet wide, by 11 feet deep. Two samples were collected.
 ROOT DEPTH N/A

Depth (Ft.)	SAMPLE NO.	DESCRIPTION OF MATERIAL [(GROUP NAME (GROUP SYMBOL), moisture, angularity, HCL reaction, structure, max. particle size, gravel/cobble hardness, dry strength, dilatancy, toughness, local name, geologic interpretation)]
0-1		Brown, sandy-clayey SILT (ML), slightly moist
1-5	1	Sample 1 - Light reddish brown, very fine grained silty SAND (SM), trace fine to coarse sand, weakly cemented, dry (BULK SAMPLE)
5-11	2	Sample 2 - Light brown very fine grained clayey, silty SAND (SM), weakly cemented, dry (BULK SAMPLE)

EXCAVATION NOTES:

1. Excavation effort was soft and easy.

TEST PIT NO.
GA-TP-10

FIELD TEST PIT LOG



PROJECT NO.:	073-81694	
DATE:	November 2, 2007	
TIME:	1110	
LOCATION:	1591765.7 N	2062391.3 E
ELEVATION:	5536.1	
ENGINEER:	J. Elliott	
EQUIPMENT:	Backhoe - CAT 430D	
OPERATOR:	Donny - High Desert Construction	
WATER LEVEL	N/A	
Surface condition: Test pit was excavated on the flat valley floor. Test pit was approximately 8 feet long, by 3 feet wide, by 10 feet deep. Two samples were collected.		
ROOT DEPTH	N/A	

Depth (Ft.)	SAMPLE NO.	DESCRIPTION OF MATERIAL [(GROUP NAME (GROUP SYMBOL), moisture, angularity, HCL reaction, structure, max. particle size, gravel/cobble hardness, dry strength, dilatancy, toughness, local name, geologic interpretation)]
0-1		Brown, very fine grained silty SAND (SM), slightly moist
1-4	1	Sample 1 - Light reddish brown, sandy, silty CLAY (CL-ML), trace gravel, trace cobbles, dry (BULK SAMPLE)
4-5.5		Light reddish brown, very fine grained silty SAND (SM), some gravel, some cobbles, dry
5.5-10	2	Sample 2 - Light brown, very fine to fine grained silty SAND (SM), dry (BULK SAMPLE)

EXCAVATION NOTES:

- Excavation effort was soft and easy.

**TEST PIT NO.
GA-TP-11**

FIELD TEST PIT LOG



PROJECT NO.: 073-81694
 DATE: November 2, 2007
 TIME: 1010
 LOCATION: 1593903.6 N 2062412.6 E
 ELEVATION: 5483.8
 ENGINEER: J. Elliott
 EQUIPMENT: Backhoe - CAT 430D
 OPERATOR: Donny - High Desert Construction
 WATER LEVEL N/A
 Surface condition: Test pit was excavated on the flat valley floor. Test pit was approximately 9 feet long, by 3 feet wide, by 10 feet deep. Two samples were collected.
 ROOT DEPTH N/A

Depth (FL)	SAMPLE NO.	DESCRIPTION OF MATERIAL <small>[(GROUP NAME (GROUP SYMBOL), moisture, angularity, HCL reaction, structure, max. particle size, gravel/cobble hardness, dry strength, dilatancy, toughness, local name, geologic interpretation)]</small>
0-3	1	Sample 1 - Reddish brown, very fine grained clayey SAND (SC), trace Gravel, slightly moist
3-10.5	2	Sample 2 - White to reddish white, very fine to medium grained silty SAND (SM), dry

EXCAVATION NOTES:

1. Operator notes much greater excavation effort required for this test pit compared to others.