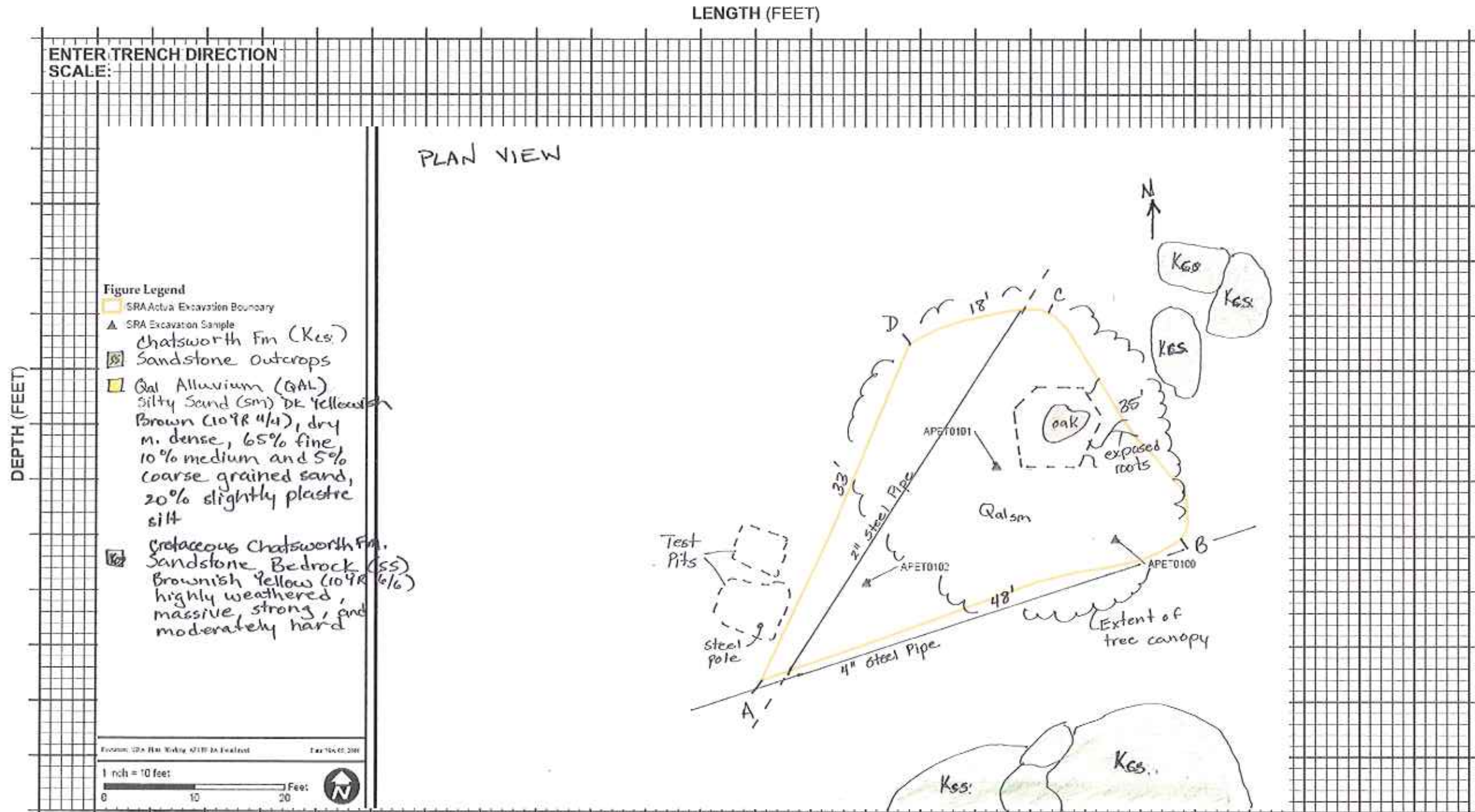


Project Name				FIELD TRENCH LOG			
2010 ISRA Implementation - NASA Area A		Project Number 10008209		Elevation and Datum SURVEYED BY SAGE		Location AP/STP - Area A	
Trench Number APTS0199		Operator NIA		Date and Time Started 11/8/10		Date and Time Completed 11/9/10	
Equipment Supplier MPE		Trench Orientation NE-SW		Total Depth 1' bgs		Total Number of Samples 3	
Equipment Type HAND TOOLS		Trench Length ~50 ft.		Trench Width ~30 ft.		Refusal? (Circle One) Yes <input type="radio"/> No <input checked="" type="radio"/>	
Bucket Width NIA		No. of Samples		Bulk <input checked="" type="checkbox"/> Grab 3		Photo? (Circle One) Yes <input checked="" type="radio"/> No <input type="radio"/>	
Geologist or Hydrogeologist/Date N. Beatty 11/8/10 to 11/9/10		Checked by/Date SAGE 11/11/10		Drive <input checked="" type="checkbox"/> Hand Auger <input checked="" type="checkbox"/>		% Man-Made Debris	
				Wall of Trench Shown (Circle One) N S E W NE NW SE SW			



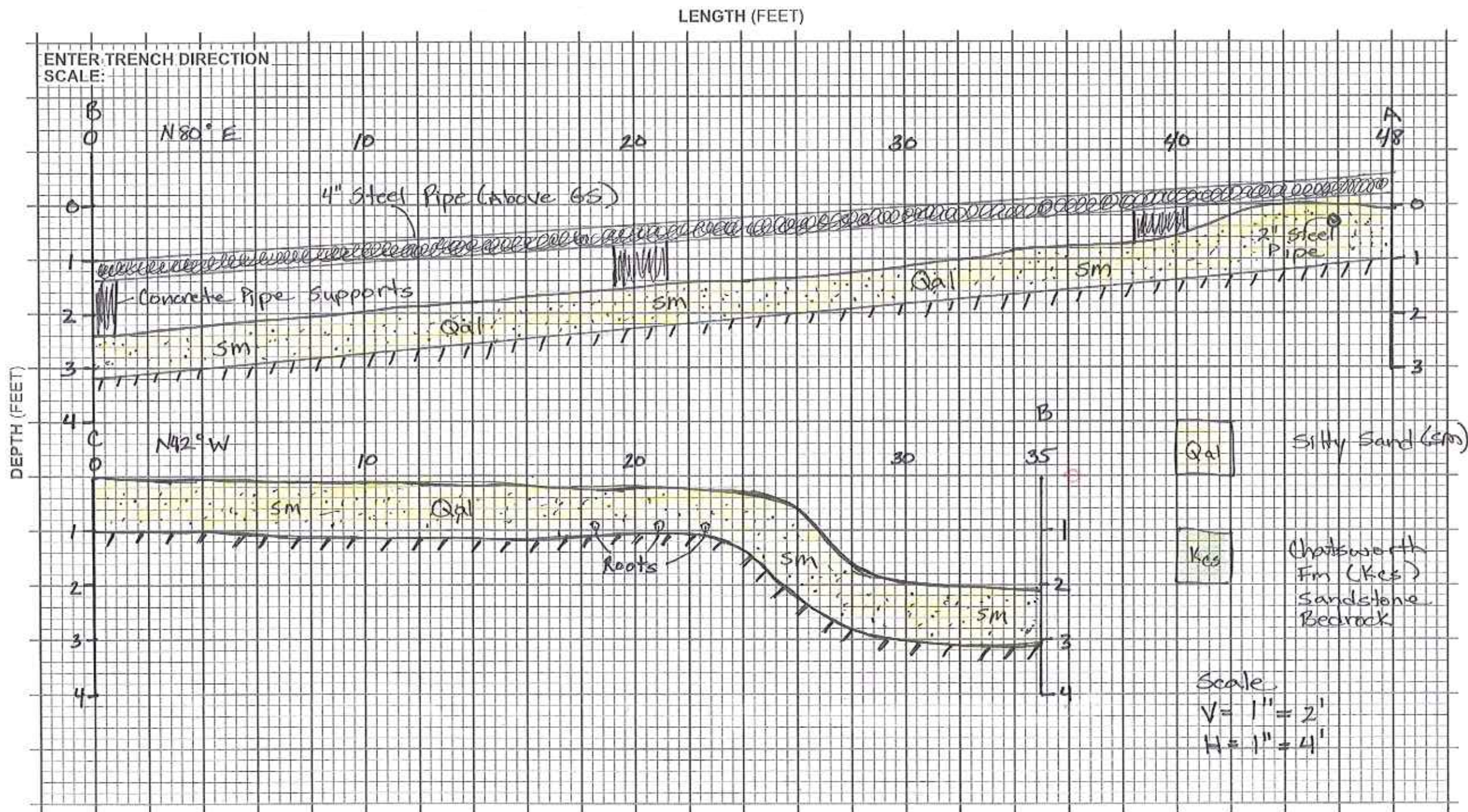
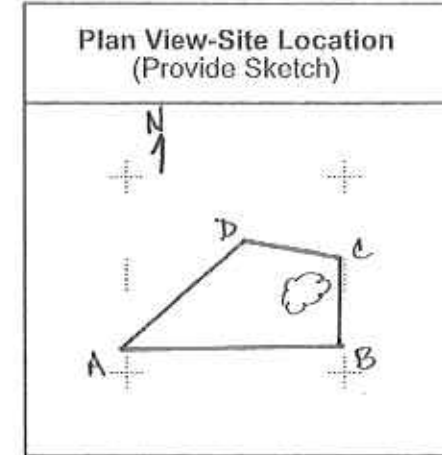
Plan View-Site Location
(Provide Sketch)



- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
 - OTHER CONTACT (AS INDICATED ON LOG)
 - FILL/NATIVE BOUNDARY
 - ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - SHADING TO DENOTE STAINING
 - BASE OF EXCAVATION
 - SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

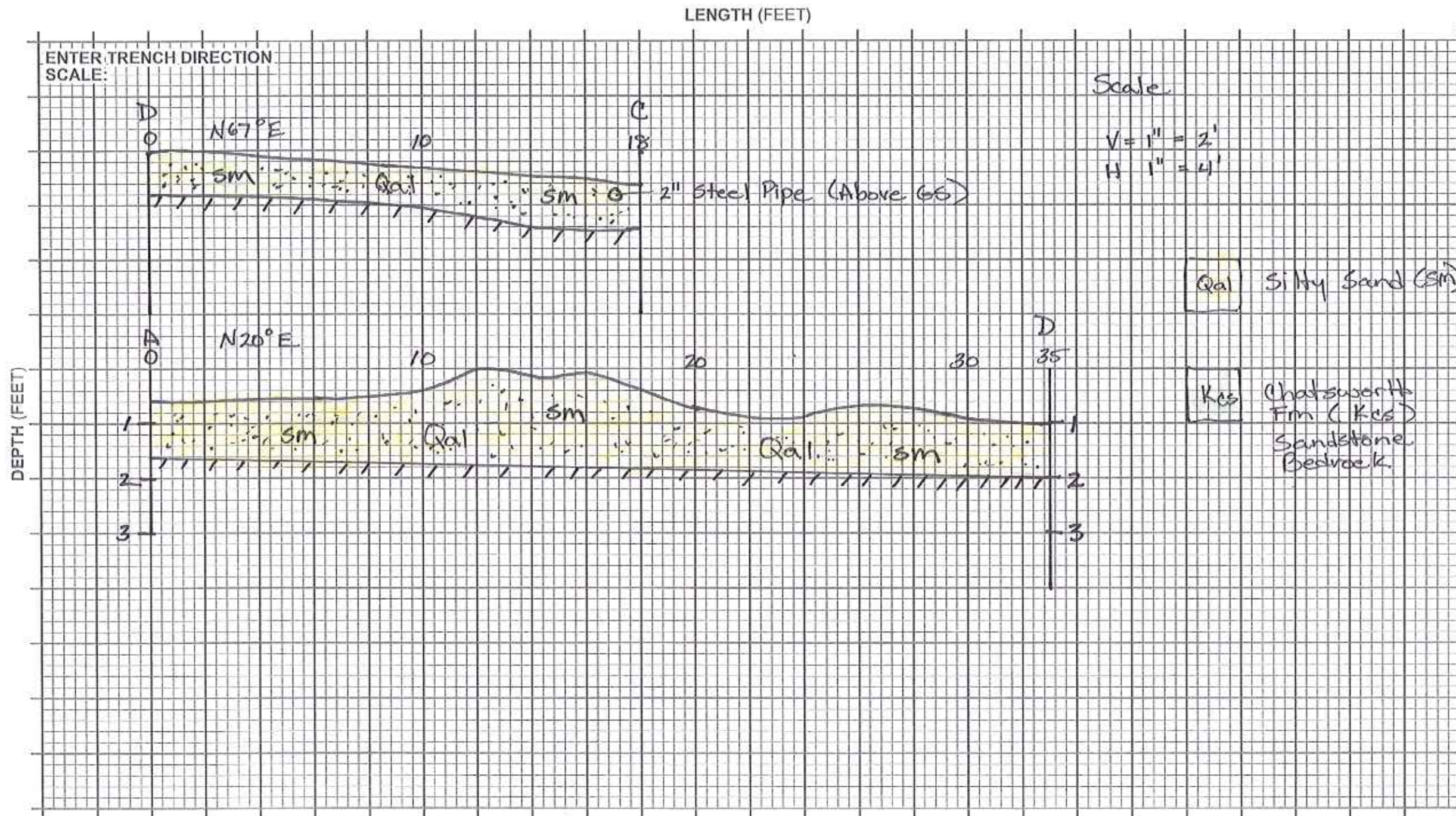
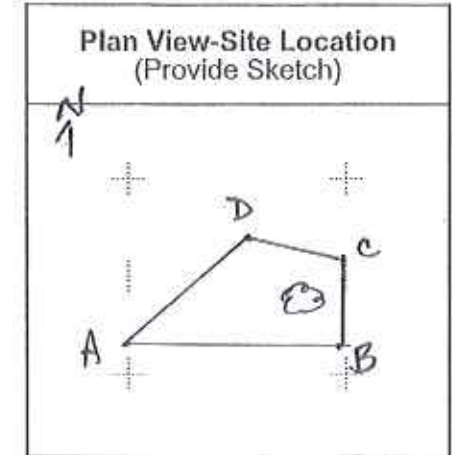
* THE ISRA AREA BOUNDARY SHOWN IN ORANGE IS THE TENTATIVE GPS DEFINED AREA AND WAS LATER SURVEYED BY SAGE CONSULTANTS.

Project Name: 2010 ISRA Implementation - NASA Area A				FIELD TRENCH LOG			
Trench Number: APTS0199	Project Number: 10008209	Elevation and Datum	Location: AP/STP- Area A	Sheet 2 of 3			
Equipment Supplier: MPE	Operator: NIA	Date and Time Started: 11/8/10	Date and Time Completed: 11/9/10	Refusal? (Circle One) Yes (X) No	If Yes Depth =		
Equipment Type: HAND TOOLS	Trench Orientation: NE-SW	Total Depth: 1' bgs	Total Number of Samples: 3	Photo? (Circle One) Yes (X) No	No.		
Bucket Width: NIA	Trench Length: ~50 ft.	Trench Width: ~30 ft.	No. of Samples: 3	Drive: \emptyset	Hand Auger: \emptyset	% Man-Made Debris	
Geologist or Hydrogeologist/Date: N. Beaty 11/8/10 to 11/9/10			Checked by/Date: [Signature] Per 0405 4/1/11		Wall of Trench Shown (Circle One) N (X) E W NE NW SE SW		



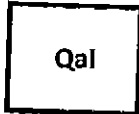
- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
 - - - - OTHER CONTACT (AS INDICATED ON LOG)
 - FILL/NATIVE BOUNDARY
 - X ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - G GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - //// SHADING TO DENOTE STAINING
 - //// BASE OF EXCAVATION
 - SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

Project Name: 2010 ISRA Implementation - NASA Area A			FIELD TRENCH LOG		
Trench Number: APT50199	Project Number: 10008209	Elevation and Datum: SURVEYED BY SAGE	Location: AP/STP - Area A	Sheet 3 of 3	
Equipment Supplier: mfe	Operator: NIA	Date and Time Started: 11/8/10	Date and Time Completed: 11/9/10	Refusal? (Circle One) Yes (NO) No	If Yes Depth =
Equipment Type: HAND TOOLS	Trench Orientation: NE-SW	Total Depth: 1' bgs	Total Number of Samples: 3	Photo? (Circle One) Yes (YES) No	No
Bucket Width: NIA	Trench Length: ~50 ft.	Trench Width: ~30 ft.	No. of Samples: 3	Drive: \emptyset	Hand Auger: \emptyset
Geologist or Hydrogeologist Date: N. Beatty 11/8/10 to 11/9/10		Checked by/Date: [Signature] 11/11		Wall of Trench Shown (Circle One) (X) S E (O) NE NW SE SW	



Trench Log Legend for NASA Areas A, D and F

Soil and Rock Description



SILTY SAND (SM) Yellow (10YR 4/3) dry, m. dense, 50% fine, 10% medium and 5% coarse grained sand, 20% non plastic silt.



Gravel (GP) [Artificial FILL] Light Brownish Gray (10YR 6/2) dry, dense, 55% fine to coarse subangular gravel to 3/4 of an inch, 25% fine, 20% medium and 10% coarse grained sand.



SAND (SP) [Artificial FILL] Dark Brown (10YR 3/3) moist, loose, 75% fine and 10% medium grained sand, 20% slightly plastic silt.



SANDSTONE BEDROCK (SS) Brownish Yellow (10YR 6/6) to Black (7.5YR 2.5/1) moderate strength, moderately weathered, massive, strong and moderately hard.

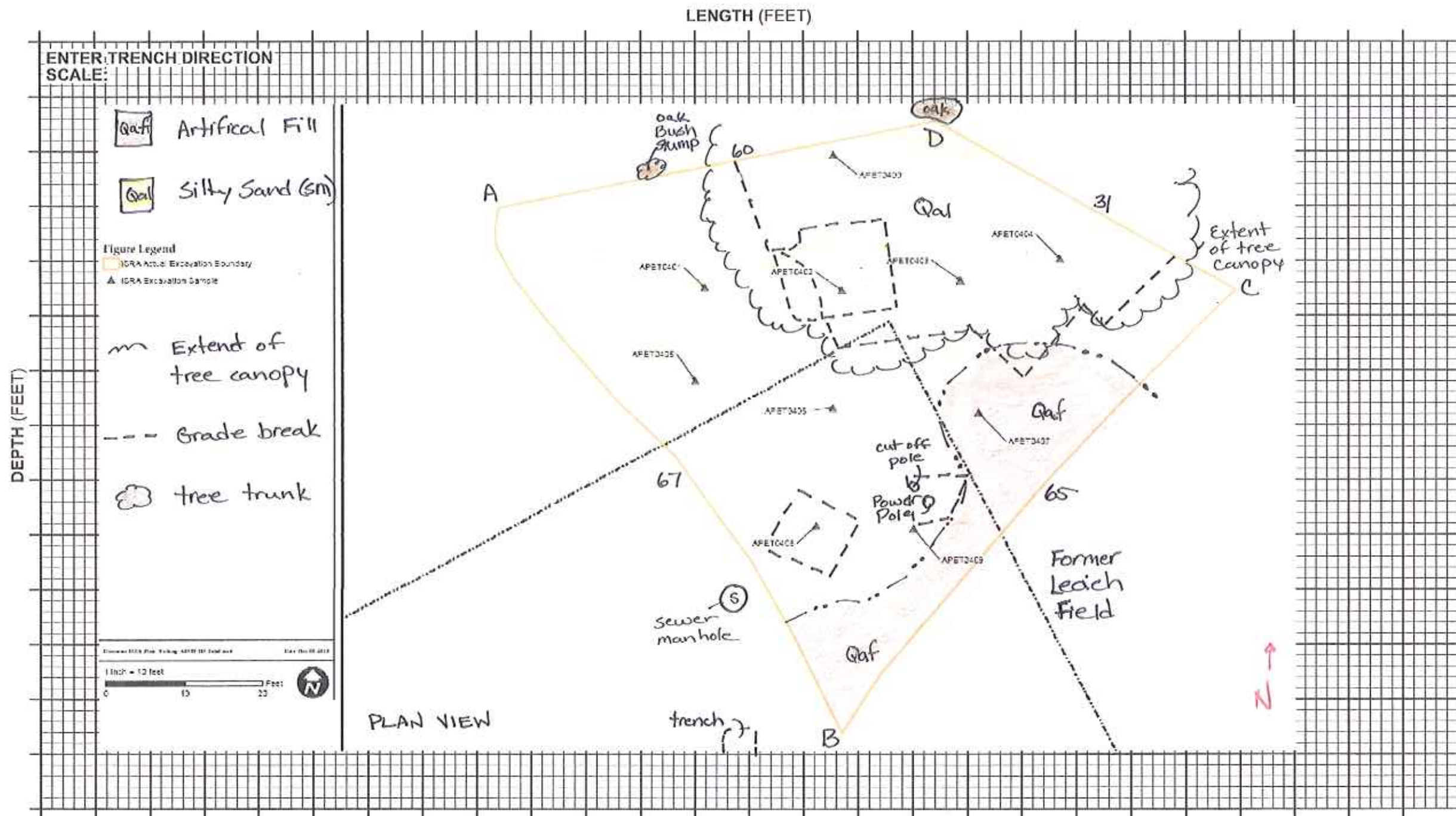
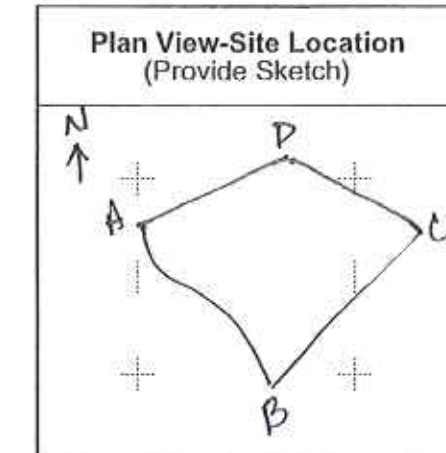
Chatsworth Fm.

TRENCH LOG SCALE

Vertical Scale is 1 inch = 2 feet (1"=2')

Horizontal Scale is 1 inch = 4 feet (1"=4')

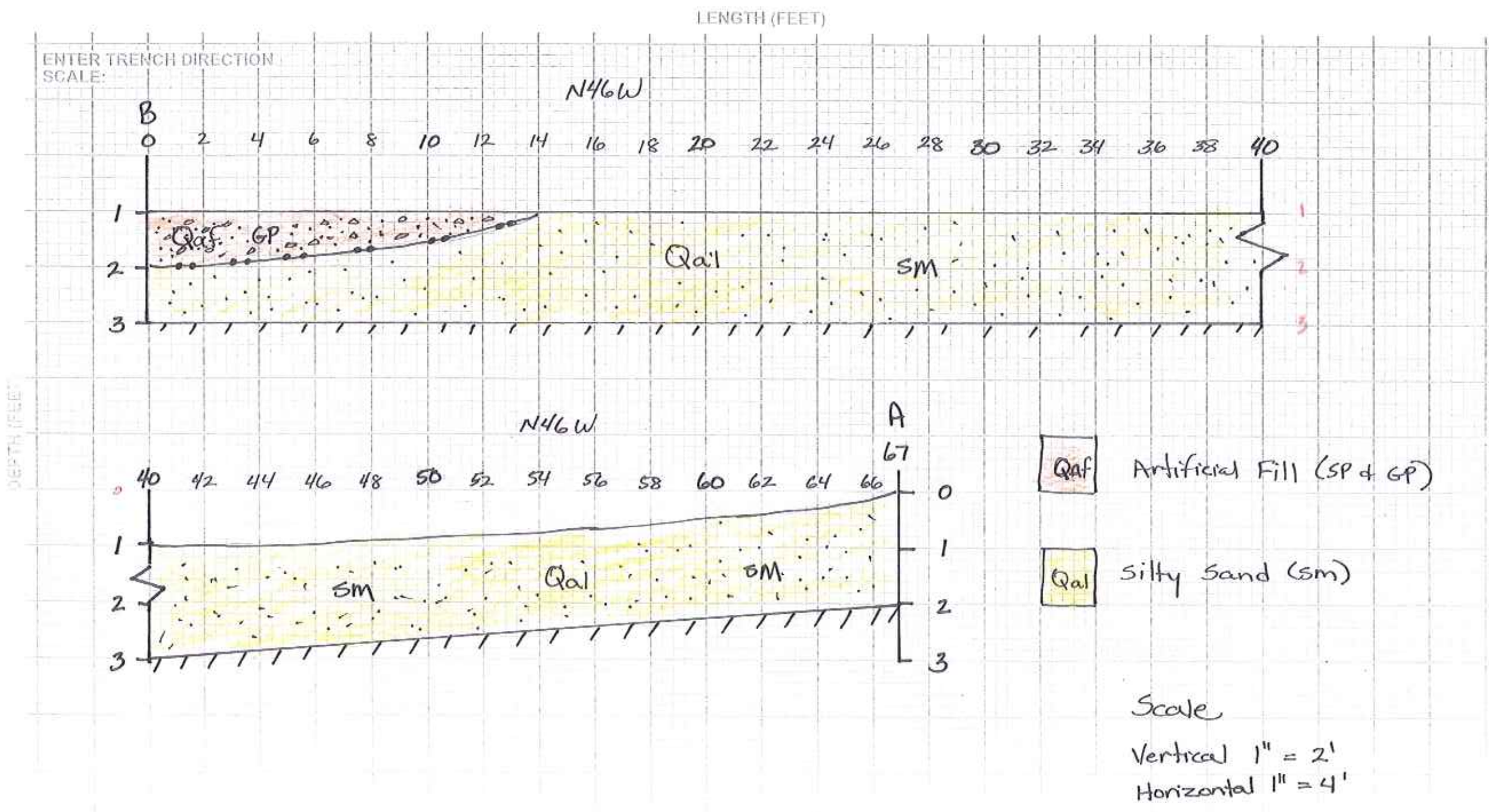
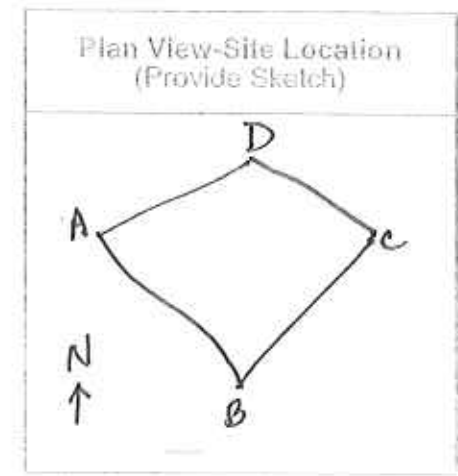
Project Name 2010 ISRA Implementation - NASA Area D			FIELD TRENCH LOG		
Trench Number APTS0499	Project Number 10008209	Elevation and Datum SURVEYED BY SAGE	Location AP/STP - Area D	Sheet 1 of 4	
Equipment Supplier MPE	Operator DAVID WILMER	Date and Time Started 11/9/10	Date and Time Completed 11/9/10	Refusal? (Circle One) Yes: <input checked="" type="radio"/> No: <input type="radio"/>	If Yes Depth =
Equipment Type EXCAVATOR, VACUUM TRUCK	Trench Orientation E-W	Total Depth 1' to 3' bgs	Total Number of Samples 10	Photo? (Circle One) Yes: <input checked="" type="radio"/> No: <input type="radio"/>	No.
Bucket Width 4 ft.	Trench Length ~ 90 ft.	Trench Width ~ 75 ft.	No. of Samples	Bulk <input checked="" type="checkbox"/>	Grab <input type="checkbox"/>
Geologist or Hydrogeologist/Date N. Beatty 11/8/10 to 11/9/10			Checked by/Date SAGE 4/4/11	Drive <input checked="" type="checkbox"/>	Hand Auger <input checked="" type="checkbox"/>
			Wall of Trench Shown (Circle One) N S E W NE NW SE SW		



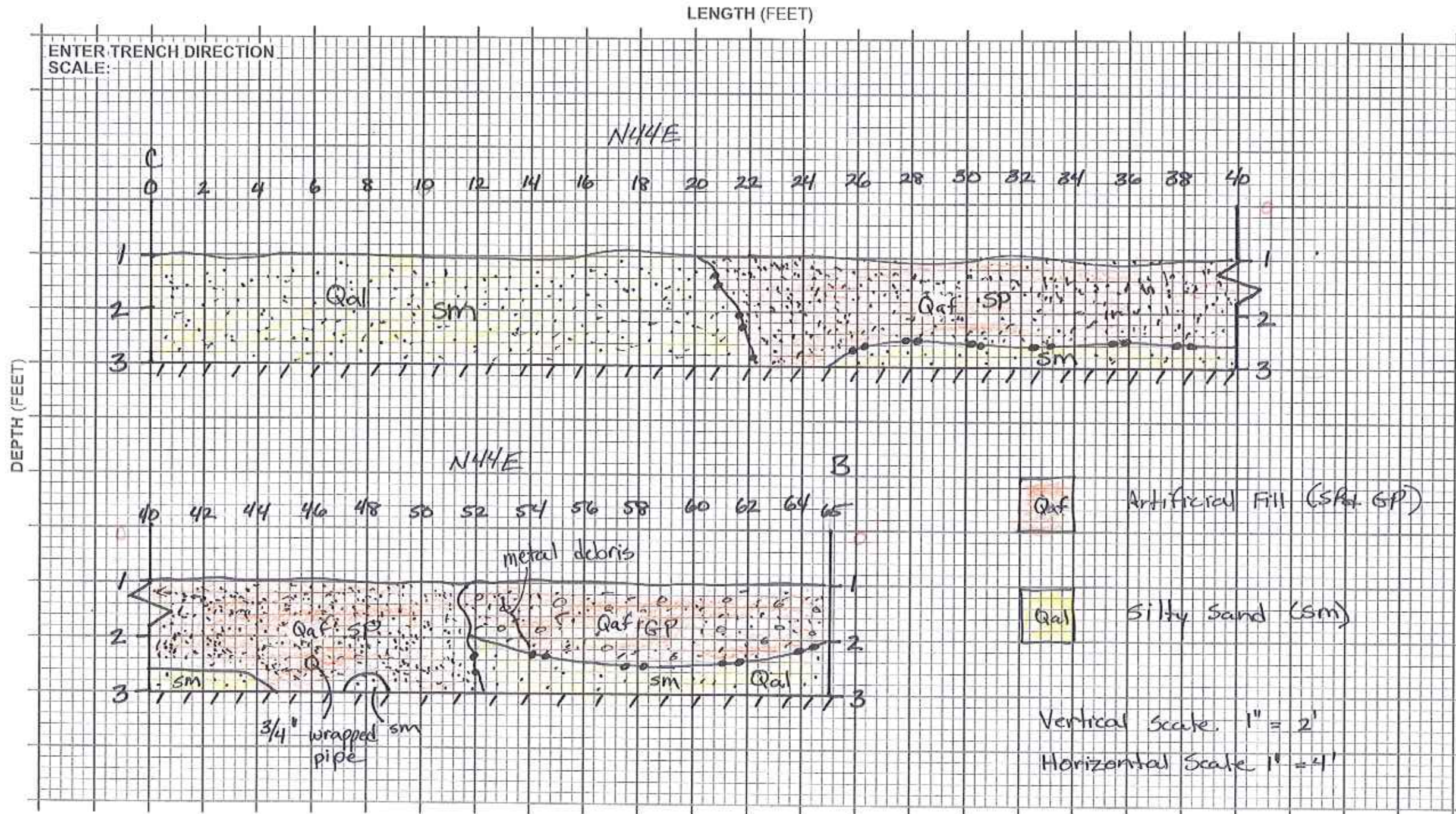
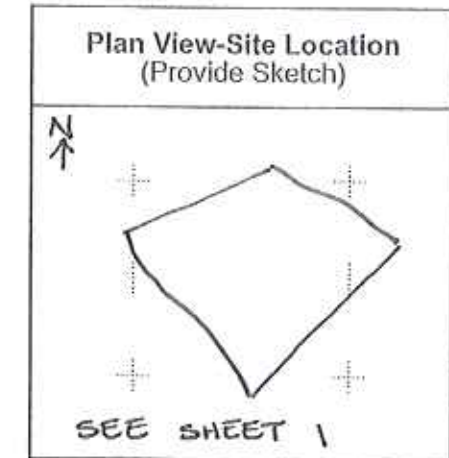
- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
 - OTHER CONTACT (AS INDICATED ON LOG)
 - FILL/NATIVE BOUNDARY
 - ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - SHADING TO DENOTE STAINING
 - BASE OF EXCAVATION
 - SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

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Area D			FIELD TRENCH LOG		
APTS0499	9	SURVEYED BY SAGE	AP/STP-ID Area D	Sheet 2 of 4	
mpe	DAVID WILMER	11/9/10	11/9/10	0	
EXCAVATOR, VACUUM TRUCK	E-W	1' to 3' logs	10	0	
4 ft. ~90 ft.	~75 ft.	∅ 10	∅	∅	
Neal Beatty	11/8/10 to 11/9/10	AB Photos 4/14/11			



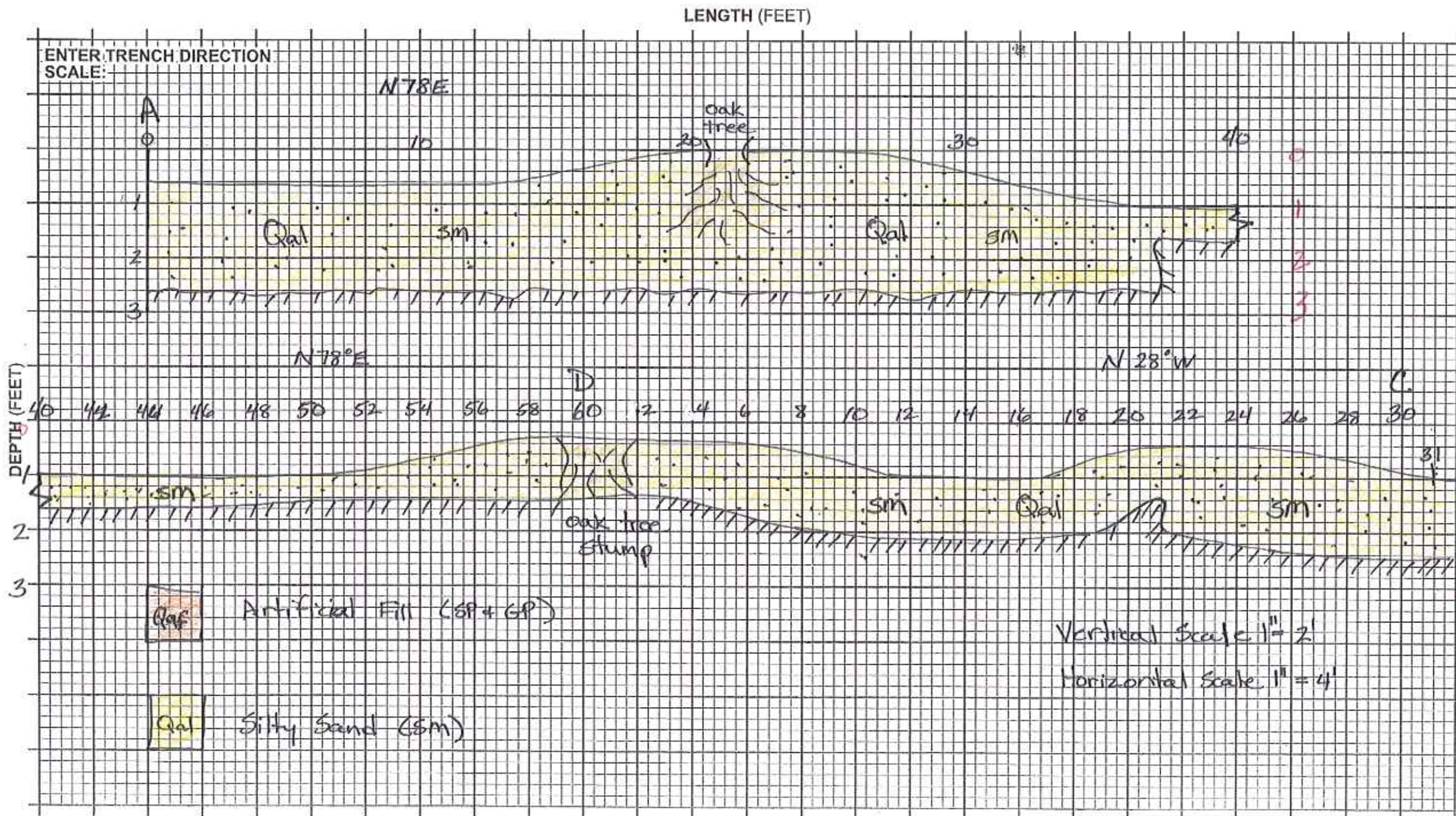
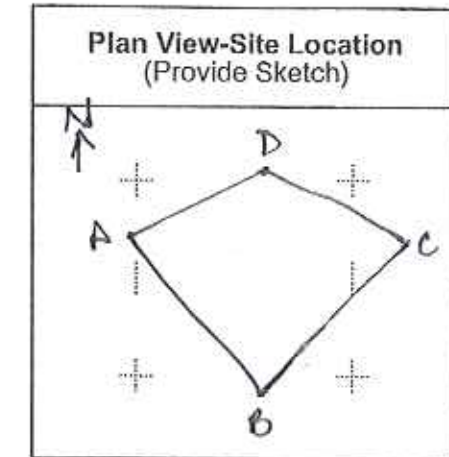
Project Name: 2010 ISRA Implementation - NASA		Area D		FIELD TRENCH LOG			
Trench Number: APTS0499	Project Number: 10008209	Elevation and Datum: SURVEYED BY SAGE		Location: AP/STP- ¹ Area D	Sheet 3 of 4		
Equipment Supplier: MPE	Operator: DAVID WILMER	Date and Time Started: 11/9/10		Date and Time Completed: 11/9/10	Retest? (Circle One) Yes <input checked="" type="radio"/> No <input type="radio"/>	If Yes Depth =	
Equipment Type: EXCAVATOR, VACUUM TRUCK	Trench Orientation: E-W	Total Depth: 1' to 3' bgs		Total Number of Samples: 10	Photo? (Circle One) Yes <input checked="" type="radio"/> No <input type="radio"/>	No.	
Bucket Width: 4 ft.	Trench Length: ~90 ft.	Trench Width: ~75 ft.	No. of Samples: Bulk \emptyset Grab 10	Drive: \emptyset	Hand Auger: \emptyset	% Man-Made Debris	
Geologist or Hydrogeologist Date: N. Beaty			Checked by/Date: <i>[Signature]</i> 4/4/11		Wall of Trench Shown (Circle One) N S E W NE NW SE SW		



EXPLANATION

- SOIL TYPE CONTACT (SHARP)
- OTHER CONTACT (AS INDICATED ON LOG)
- FILL/NATIVE BOUNDARY
- ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- SHADING TO DENOTE STAINING
- BASE OF EXCAVATION
- SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

Project Name 2010 ISRA Implementation - NASA		Area D			FIELD TRENCH LOG			
Trench Number APTS0499	Project Number 10008209	Elevation and Datum SURVEYED BY SAGE		Location AP/STP - Area D	Sheet 4 of 4			
Equipment Supplier MPe	Operator DAVID WILMER	Date and Time Started 11/9/10		Date and Time Completed 11/9/10	Refusal? (Circle One) Yes <input type="radio"/> No <input checked="" type="radio"/>		If Yes Depth =	
Equipment Type EXCAVATOR, VACUUM TRUCK	Trench Orientation E-W	Total Depth 1' to 3' bgs		Total Number of Samples 10	Photo? (Circle One) Yes <input checked="" type="radio"/> No <input type="radio"/>		No.	
Bucket Width 4 ft.	Trench Length ~ 90 ft.	Trench Width ~ 75 ft.	No. of Samples	Bulk <input checked="" type="checkbox"/>	Grab <input type="checkbox"/>	Drive <input checked="" type="checkbox"/>	Hand Auger <input checked="" type="checkbox"/>	
Geologist or Hydrogeologist Date Neal Beatty 11/8/10 to 11/9/10			Checked by Date SAGE 11/9/10		Wall of Trench Shown (Circle One) <input checked="" type="radio"/> N <input type="radio"/> S <input type="radio"/> E <input type="radio"/> W <input type="radio"/> NE <input type="radio"/> NW <input type="radio"/> SE <input type="radio"/> SW			

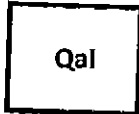


EXPLANATION

- SOIL TYPE CONTACT (SHARP)
- OTHER CONTACT (AS INDICATED ON LOG)
- FILL/NATIVE BOUNDARY
- ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
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- SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

Trench Log Legend for NASA Areas A, D and F

Soil and Rock Description



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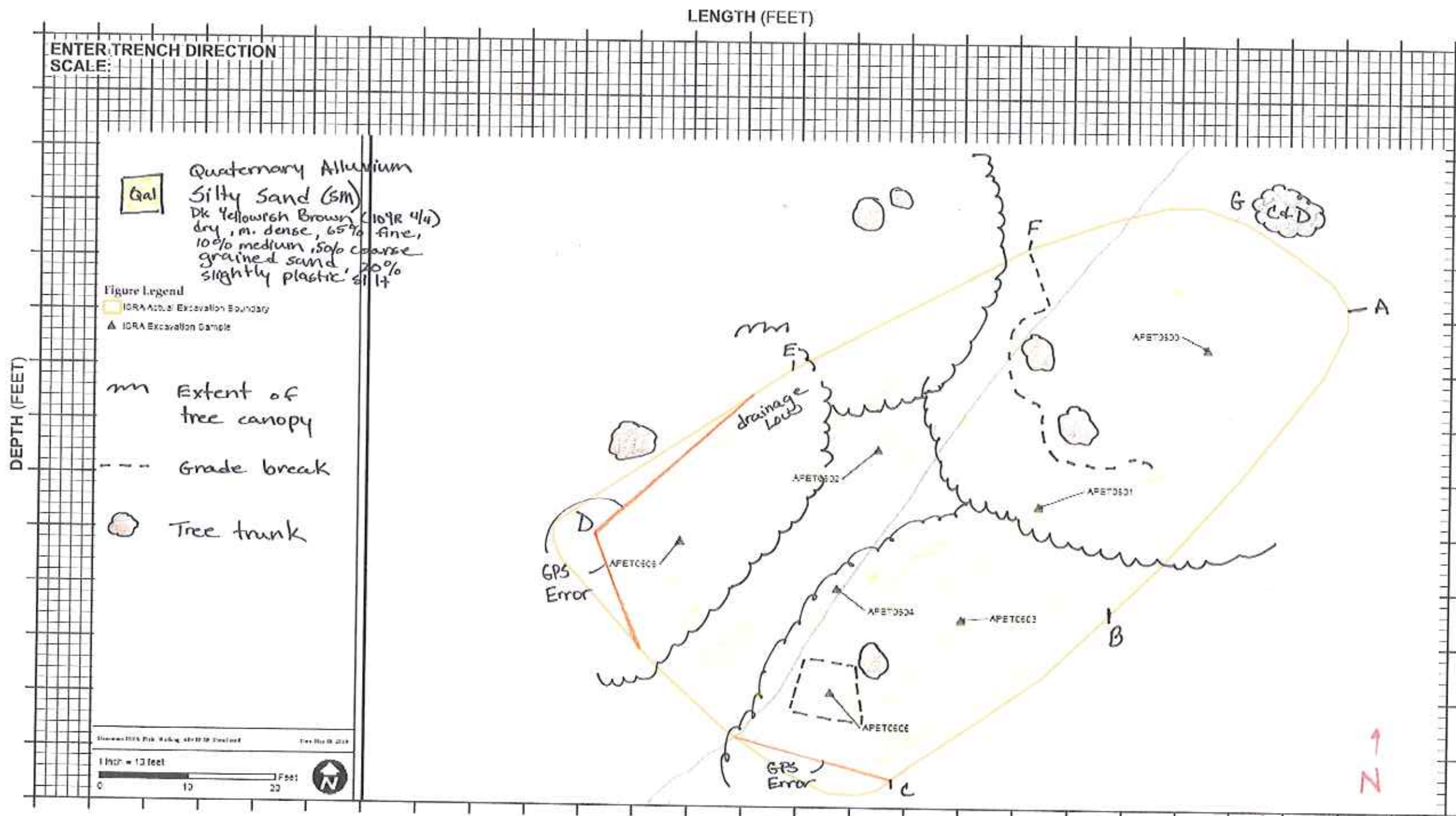
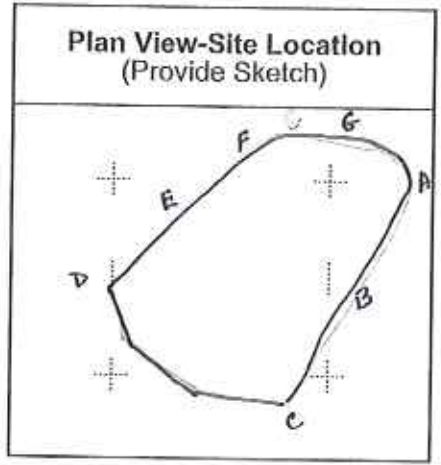
Chatsworth Fm.

TRENCH LOG SCALE

Vertical Scale is 1 inch = 2 feet (1"=2')

Horizontal Scale is 1 inch = 4 feet (1"=4')

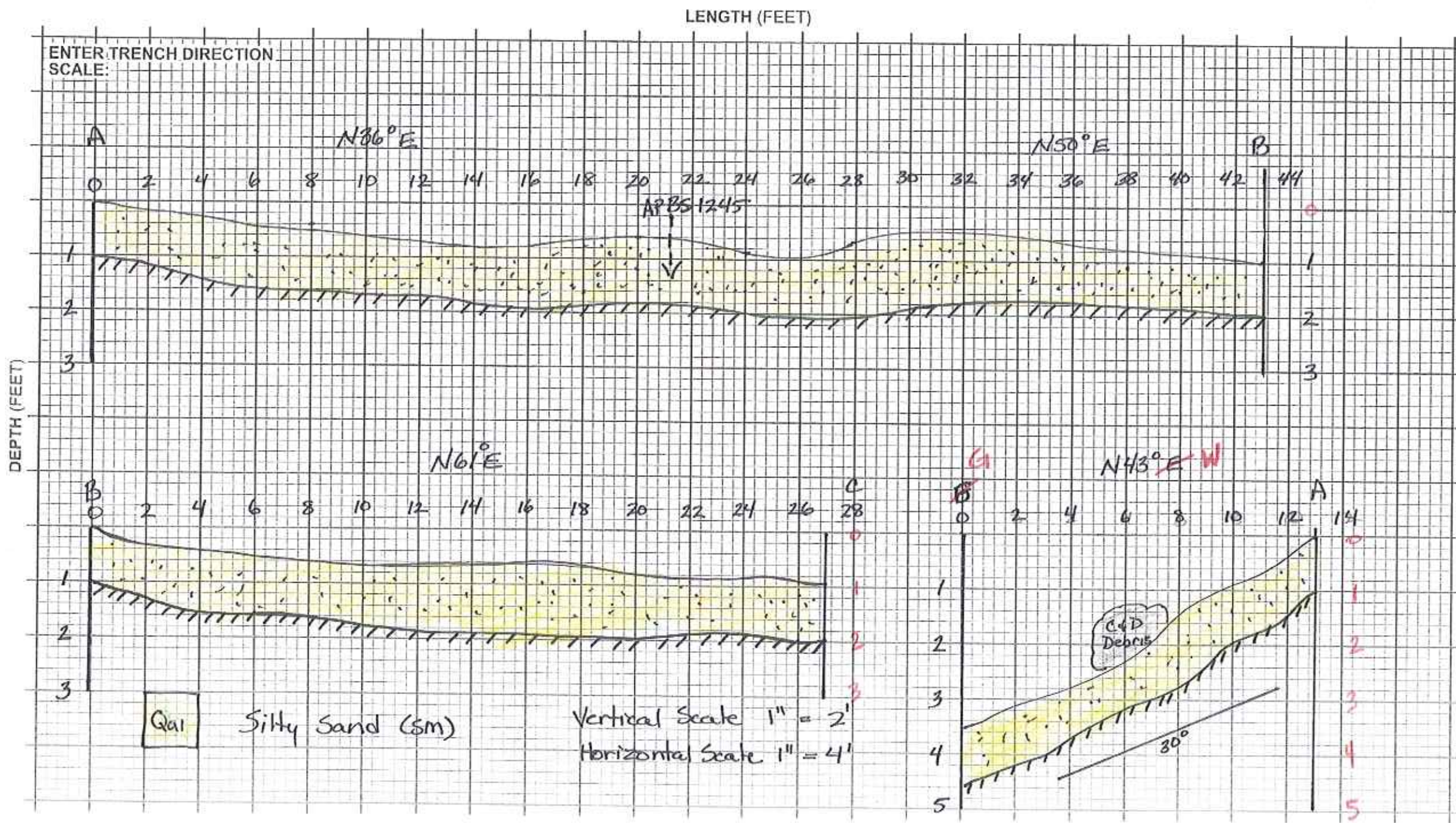
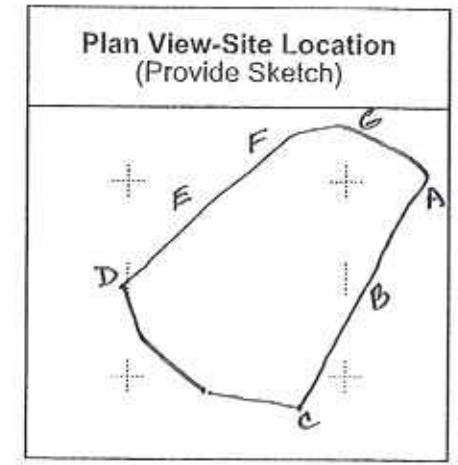
Project Name 2010 ISRA Implementation - NASA		Area F		FIELD TRENCH LOG			
Trench Number APTS0699	Project Number 10008209	Elevation and Datum SURVEYED BY SAGE		Location AP/STP - Area F	Sheet 1 of 4		
Equipment Supplier MPE	Operator DAVID WILMER	Date and Time Started 11/8/10		Date and Time Completed 11/9/10	Refusal? (Circle One) Yes <input type="radio"/> No <input checked="" type="radio"/>	If Yes Depth =	
Equipment Type VACUUM TRUCK	Trench Orientation NE-SW	Total Depth 1' bgs		Total Number of Samples 7	Photo? (Circle One) Yes <input checked="" type="radio"/> No <input type="radio"/>	No.	
Bucket Width N/A	Trench Length ~ 80 ft.	Trench Width ~ 45 ft.	No. of Samples	Drive <input checked="" type="radio"/>	Hand Auger <input checked="" type="radio"/>	% Man-Made Debris	
Geologist or Hydrogeologist/Date Neal Beatty			Checked by/Date [Signature] 4/4/11		Wall of Trench Shown (Circle One) N S E W NE NW SE SW		



- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
 - OTHER CONTACT (AS INDICATED ON LOG)
 - FILL/NATIVE BOUNDARY
 - ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
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 - BASE OF EXCAVATION
 - SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

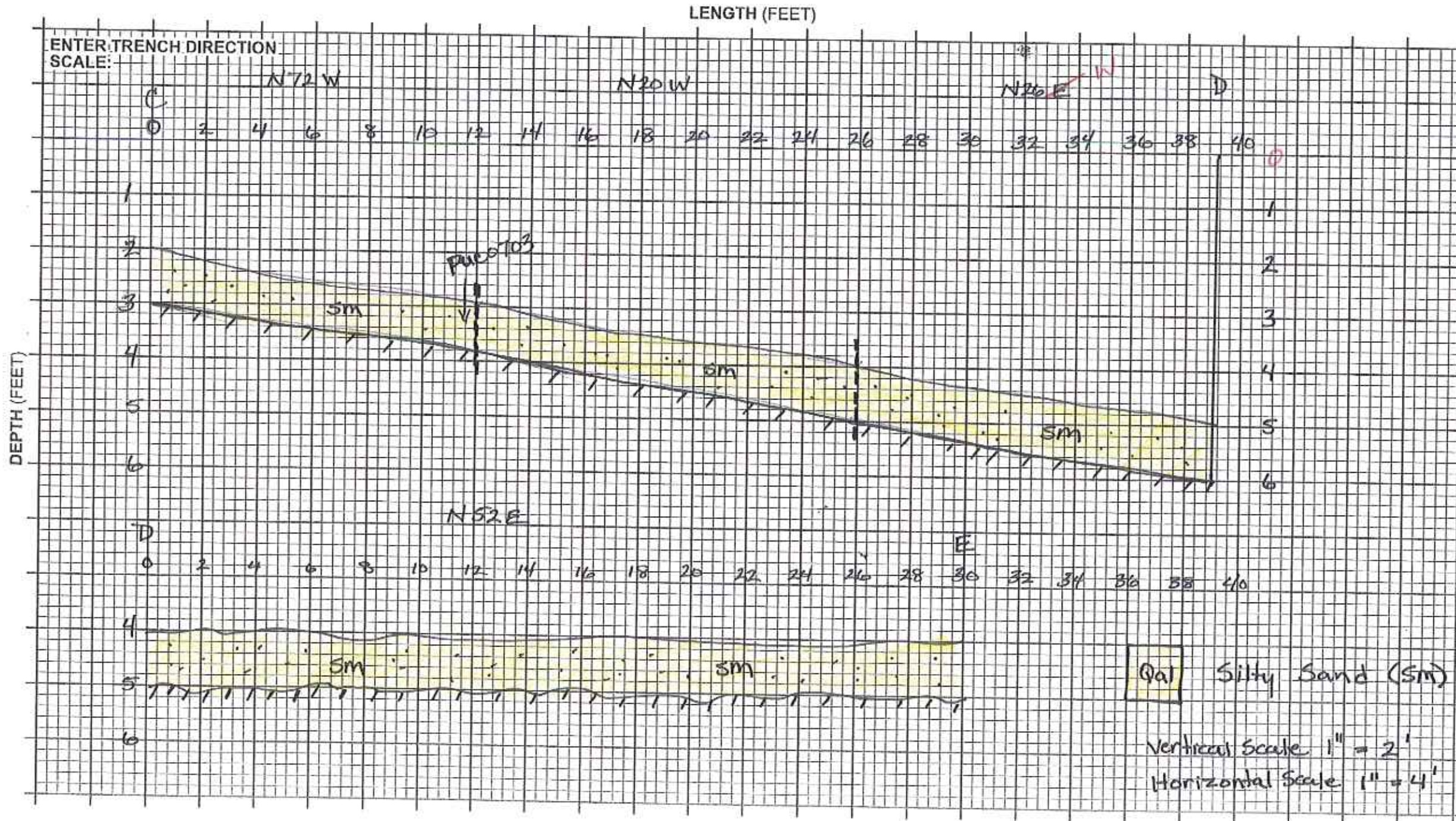
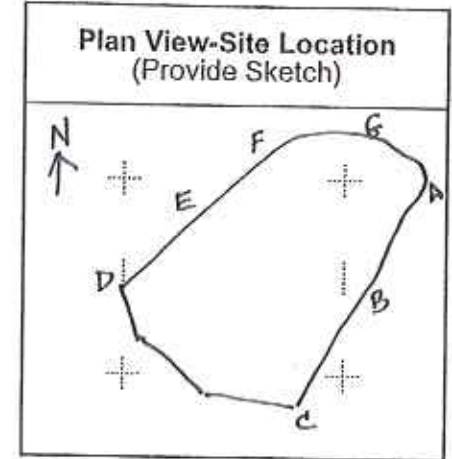
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Project Name: 2010 ISRA Implementation - NASA		Area F		FIELD TRENCH LOG			
Trench Number: APTS0699	Project Number: 10008209	Elevation and Datum: SURVEYED BY SAGE		Location: AP/STP - ² Area F	Sheet 2 of 4		
Equipment Supplier: MPE	Operator: DAVID WILMER	Date and Time Started: 11/8/10		Date and Time Completed: 11/9/10	Refusal? (Circle One) Yes <input type="radio"/> No <input checked="" type="radio"/>	If Yes Depth =	
Equipment type: VACUUM TRUCK	Trench Orientation: NE-SW	Total Depth: 1' bgs		Total Number of Samples: 7	Photo? (Circle One) Yes <input checked="" type="radio"/> No <input type="radio"/>	No.	
Bucket Width: N/A	Trench Length: ~80 ft.	Trench Width: ~45 ft.	No. of Samples: <input type="checkbox"/>	Bulk: <input checked="" type="checkbox"/>	Grab: 7	Drive: <input checked="" type="checkbox"/>	
Geologist or Hydrogeologist Date: N. Beatty 11/8/10 to 11/9/10	Checked by/Date: <i>ABZ</i> Photos 4/4/11		Hand Auger: <input checked="" type="checkbox"/>		Wall of Trench Shown (Circle One) N S E W NE NW SE SW		



- EXPLANATION
- SOIL TYPE CONTACT (SHARP)
 - - - OTHER CONTACT (AS INDICATED ON LOG)
 - - - - - FILL/NATIVE BOUNDARY
 - X ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
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 - ////// SHADING TO DENOTE STAINING
 - ||||| BASE OF EXCAVATION
 - SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

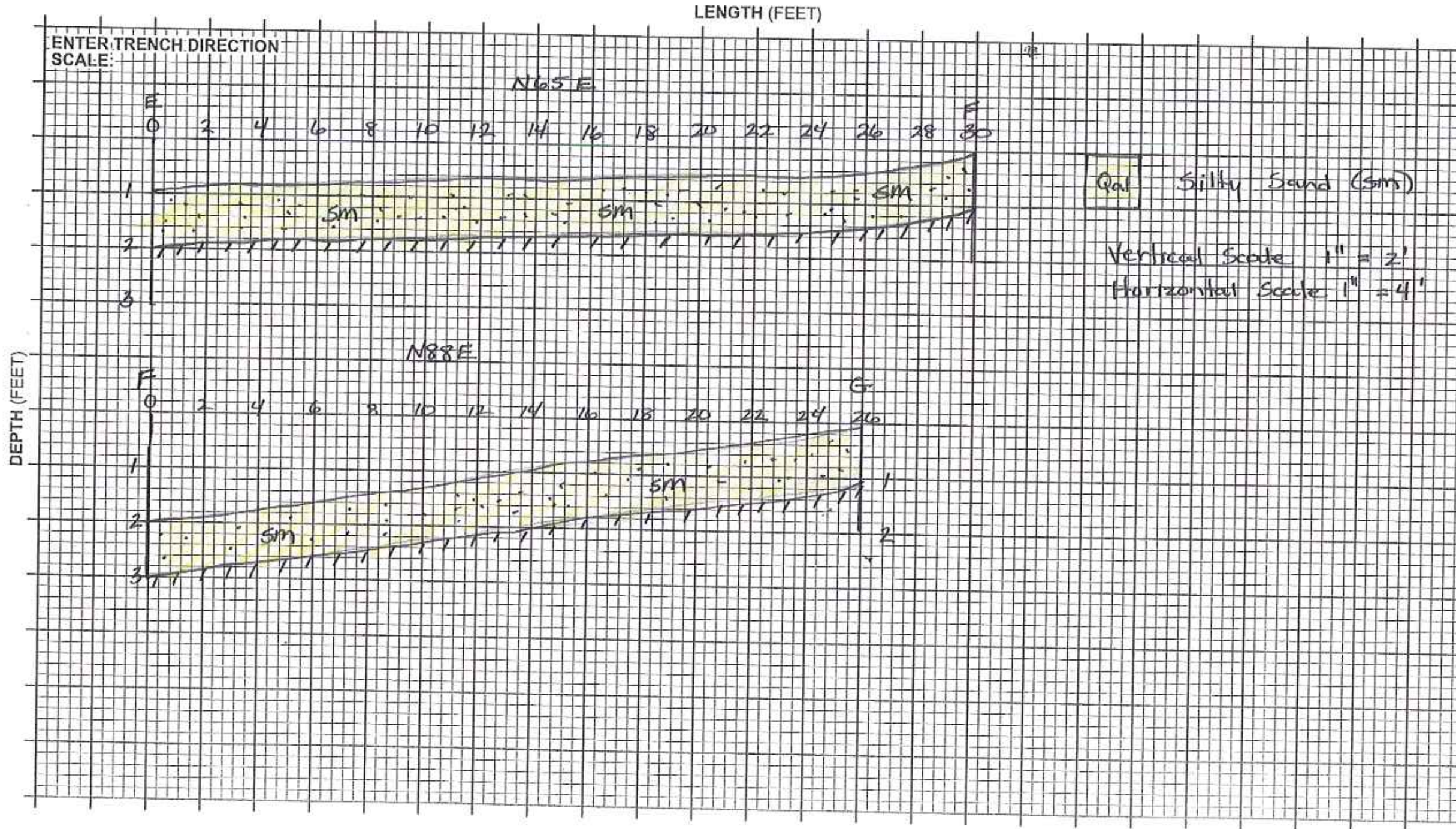
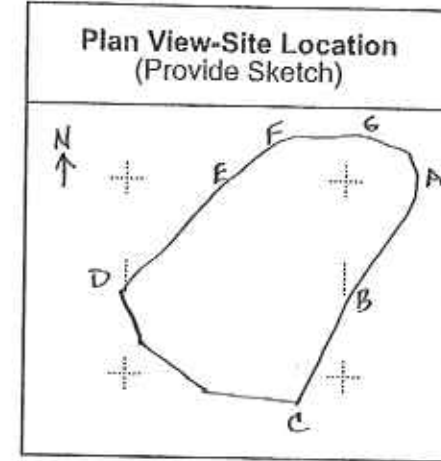
Project Name 2010 ISRA Implementation - NASA		Area F		FIELD TRENCH LOG			
Trench Number APTS0699	Project Number 10008209	Elevation and Datum SURVEYED BY SAGE		Location AP/STP - <u>1</u> Area F	Sheet <u>3</u> of <u>4</u>		
Equipment Supplier MPE	Operator DAVID WILMER	Date and Time Started 11/8/10		Date and Time Completed 11/9/10	Refusal? (Circle One) Yes <input type="radio"/> No <input checked="" type="radio"/>	If Yes Depth =	
Equipment Type VACUUM TRUCK	Trench Orientation NE-SW	Total Depth 1' bgs		Total Number of Samples 7	Photo? (Circle One) Yes <input checked="" type="radio"/> No <input type="radio"/>	No.	
Bucket Width N/A	Trench Length ~80 ft.	Trench Width ~45 ft.	No. of Samples Bulk <input type="checkbox"/> Grab <input checked="" type="checkbox"/>	Drive <input checked="" type="checkbox"/>	Hand Auger <input checked="" type="checkbox"/>	% Man-Made Debris	
Geologist or Hydrogeologist/Date N. Beatty 11/8/10 to 11/9/10			Checked By/Date [Signature] 11/4/11		Wall of Trench Shown (Circle One) N S E W NE NW SE SW		



EXPLANATION

- SOIL TYPE CONTACT (SHARP)
- - - OTHER CONTACT (AS INDICATED ON LOG)
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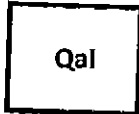
Project Name 2010 ISRA Implementation - NASA		Area F		FIELD TRENCH LOG			
Trench Number APTS0699	Project Number 10008209	Elevation and Datum SURVEYED BY SAGE	Location AP/STP - ¹ Area F	Sheet 4 of 4		Refusal? (Circle One) Yes (No)	If Yes Depth =
Equipment Supplier MPE	Operator DAVID WILMER	Date and Time Started 11/8/10	Date and Time Completed 11/9/10	Total Number of Samples 7		Photo? (Circle One) Yes (No)	No.
Equipment Type VACUUM TRUCK	Trench Orientation NE-SW	Total Depth 1' bgs	No. of Samples	Bulk 0	Grab 7	Drive 0	Hand Auger 0
Bucket Width N/A	Trench Length ~80 FE.	Trench Width ~45 SE.	Checked by/Date ASG - Photos 4/4/11		Wall of Trench Shown (Circle One) N S E W NE NW SE SW		
Geologist or Hydrogeologist/Date N. Brady 11/8/10 to 11/9/10							



- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
 - - - - OTHER CONTACT (AS INDICATED ON LOG)
 - - - - FILL/NATIVE BOUNDARY
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Trench Log Legend for NASA Areas A, D and F

Soil and Rock Description



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Chatsworth Fm.

TRENCH LOG SCALE

Vertical Scale is 1 inch = 2 feet (1"=2')

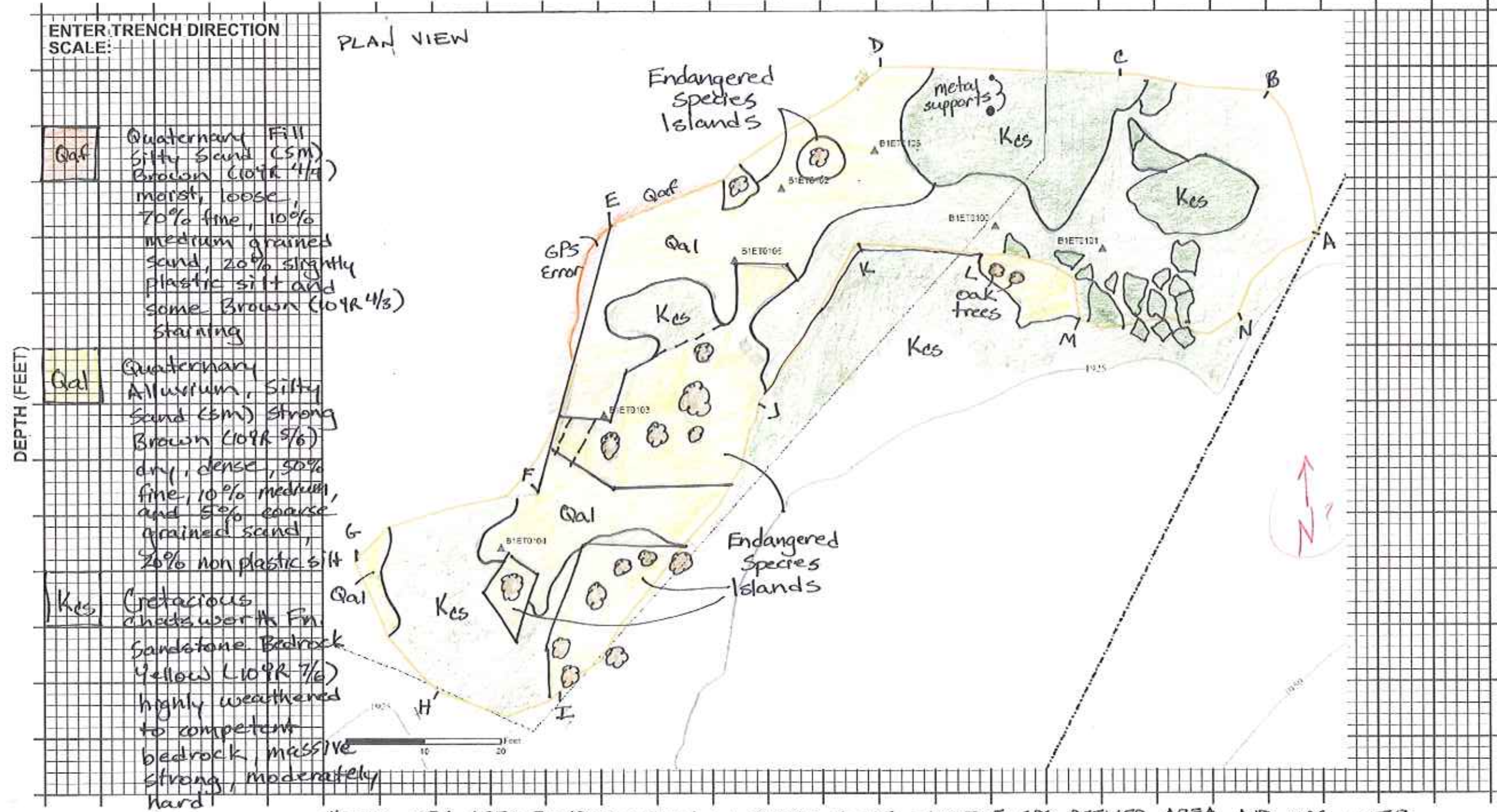
Horizontal Scale is 1 inch = 4 feet (1"=4')

Project Name				FIELD TRENCH LOG			
Trench Number BITS0199		Project Number 1008208.1163110		Elevation and Datum SURVEYED BY SAGE		Location B1-1A	
Equipment Supplier mpe		Operator DAVID WILMER		Date and Time Started 10/28/10		Date and Time Completed 10/29/10	
Equipment Type EXCAVATOR/VACUUM TRUCK		Trench Orientation NE-SW		Total Depth 3 ft.		Refusal? (Circle One) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Bucket Width 4 ft.		Trench Length ~146 ft.		Trench Width VARIABLE FROM 10-30 ft.		If Yes Depth = 3 ft.	
Geologist or Hydrogeologist/Date N. Beatty 10/28/10 to 10/29/10		Checked by/Date Andy [signature] PA 8165 3/30/11		Total Number of Samples 7		Photo? (Circle One) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		No. of Samples		Bulk \emptyset		Grab 7	
				Drive \emptyset		Hand Auger \emptyset	
						% Man-Made Debris	
						Wall of Trench Shown (Circle One) N S E W NE NW SE SW	



Plan View-Site Location
(Provide Sketch)

LENGTH (FEET)



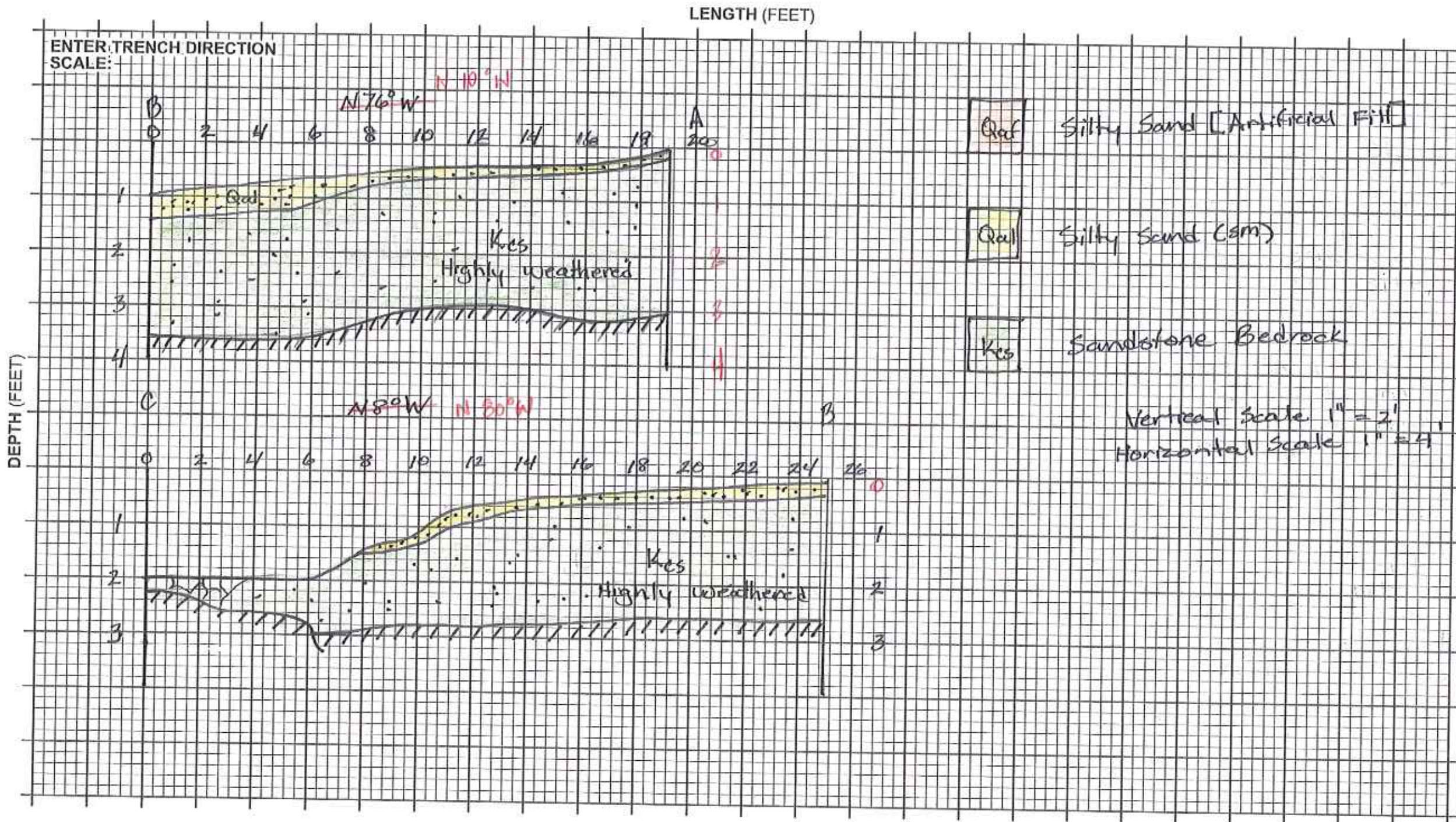
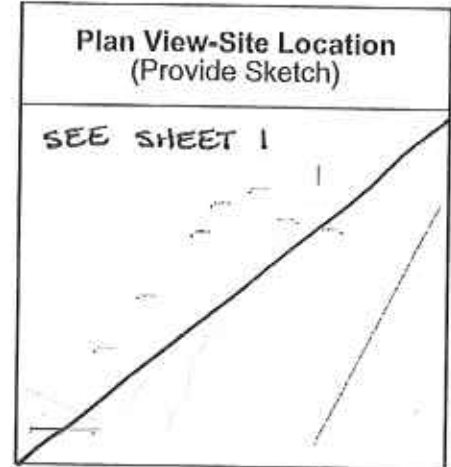
EXPLANATION

- SOIL TYPE CONTACT (SHARP)
- OTHER CONTACT (AS INDICATED ON LOG)
- FILL/NATIVE BOUNDARY
- X** ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- G** GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- SHADING TO DENOTE STAINING
- BASE OF EXCAVATION
- SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

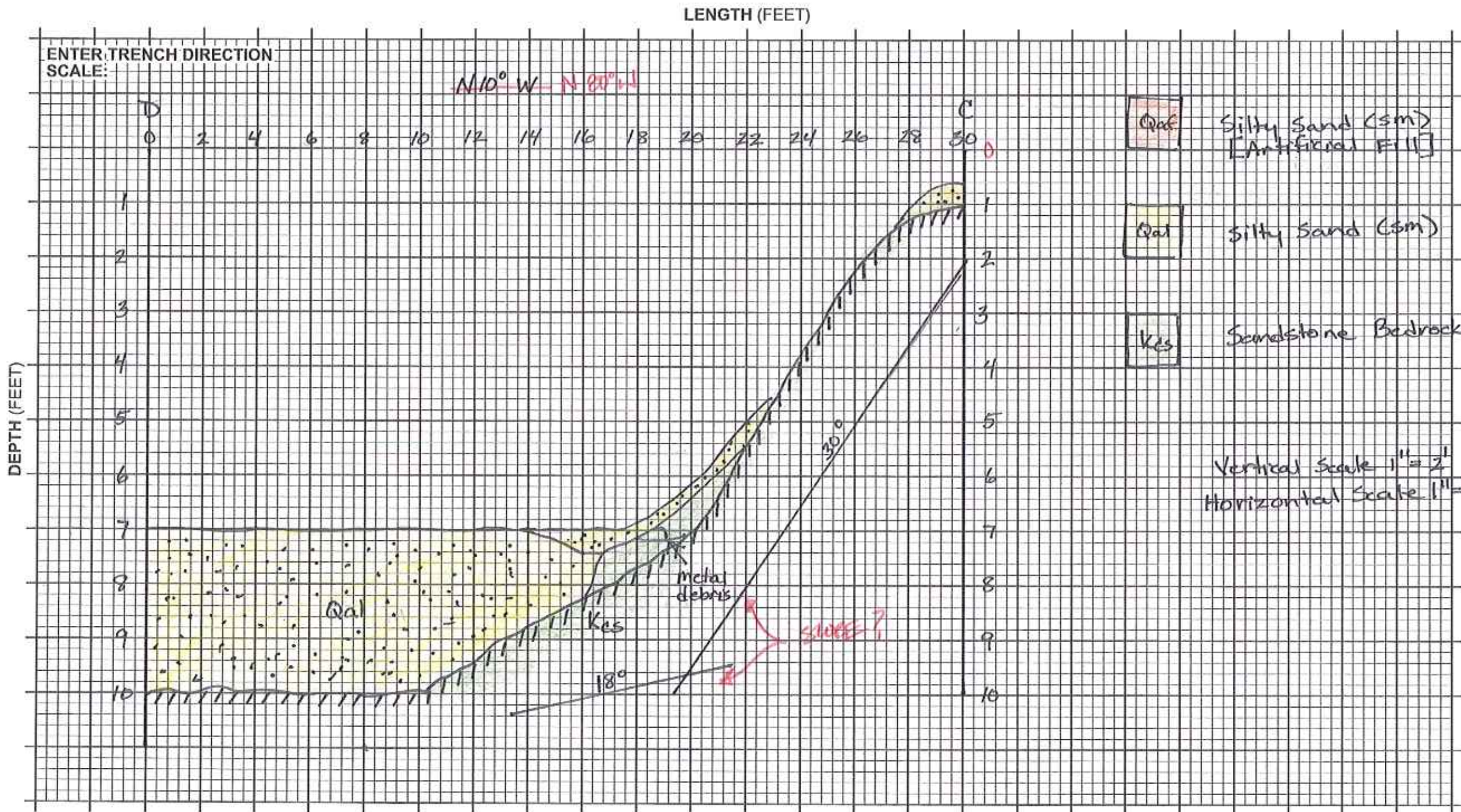
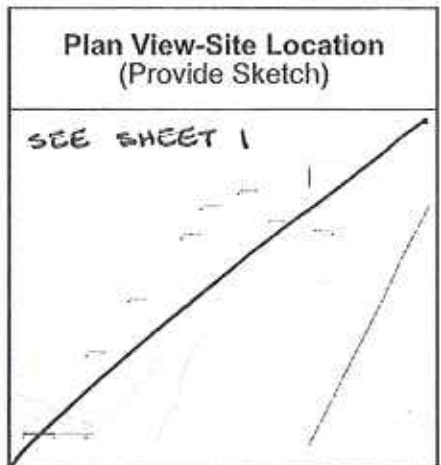
* THE ISRA AREA BOUNDARY SHOWN IN ORANGE IS THE TENTATIVE GPS DEFINED AREA AND WAS LATER SURVEYED BY SAGE CONSULTANTS.



Project Name 2010 ISRA Implementation		FIELD TRENCH LOG			
Trench Number BITSO199	Project Number 1008208.1163110	Elevation and Datum SURVEYED BY SAGE	Location B1-1A		Sheet <u>2</u> of <u>8</u>
Equipment Supplier mPe	Operator DAVID WILMER	Date and Time Started 10/28/10	Date and Time Completed 10/29/10		Refusal? (Circle One) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes Depth - <u>3</u> Ft.
Equipment Type EXCAVATOR, VACUUM TRUCK	Trench Orientation NE-SW	Total Depth 3 Ft.	Total Number of Samples 7		Photo? (Circle One) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Bucket Width 4 Ft.	Trench Length ~146 Ft.	Trench Width VARIABLE FROM 10-30 Ft.	No. of Samples	Bulk <input type="checkbox"/>	Grab <input checked="" type="checkbox"/>
Geologist or Hydrogeologist/Date N. Brady 10/28/10 to 10/29/10		Checked by/Date AJS Pa 9/15 3/3/11		Drive <input type="checkbox"/>	Hand Auger <input type="checkbox"/>
					% Man-Made Debris
					Wall of Trench Shown (Circle One) N S E W NE NW SE SW

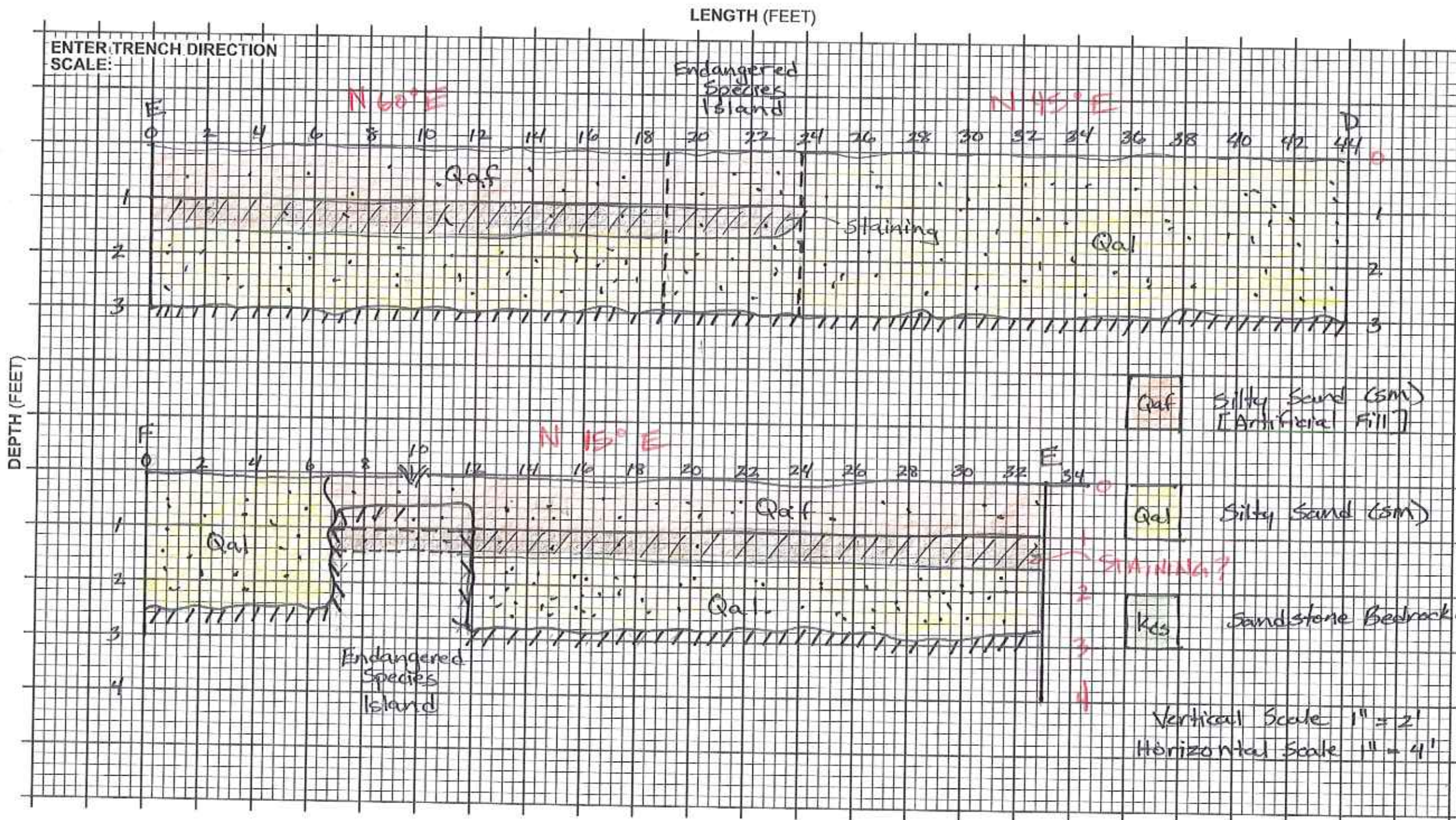
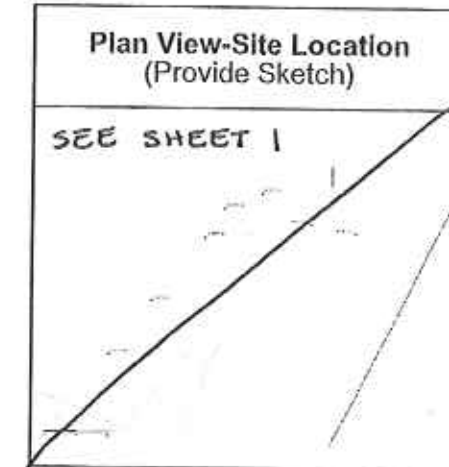


Project Name 2010 ISRA Implementation				FIELD TRENCH LOG			
Trench Number BITSO199		Project Number 1008208.1163110		Elevation and Datum SURVEYED BY SAGE		Location B1-1A	
Equipment Supplier MPC		Operator DAVID WILMER		Date and Time Started 10/28/10		Date and Time Completed 10/29/10	
Equipment Type EXCAVATOR, VACUUM TRUCK		Trench Orientation NE-SW		Total Depth 3 ft.		Refusal? (Circle One) <input checked="" type="radio"/> Yes <input type="radio"/> No	
Bucket Width 4 ft.		Trench Length ~146 ft.		Trench Width VARIABLE FROM 10-30 ft.		Total Number of Samples 7	
Geologist or Hydrogeologist/Date N. Beaty 10/28/10 to 10/29/10		No. of Samples		Bulk <input type="checkbox"/> Grab <input checked="" type="checkbox"/>		Drive <input type="checkbox"/> Hand Auger <input type="checkbox"/>	
		Checked by/Date AB 10/30/10				Photo? (Circle One) <input checked="" type="radio"/> Yes <input type="radio"/> No	
						Wall of Trench Shown (Circle One) N S E W NE NW SE SW	
						% Man-Made Debris	



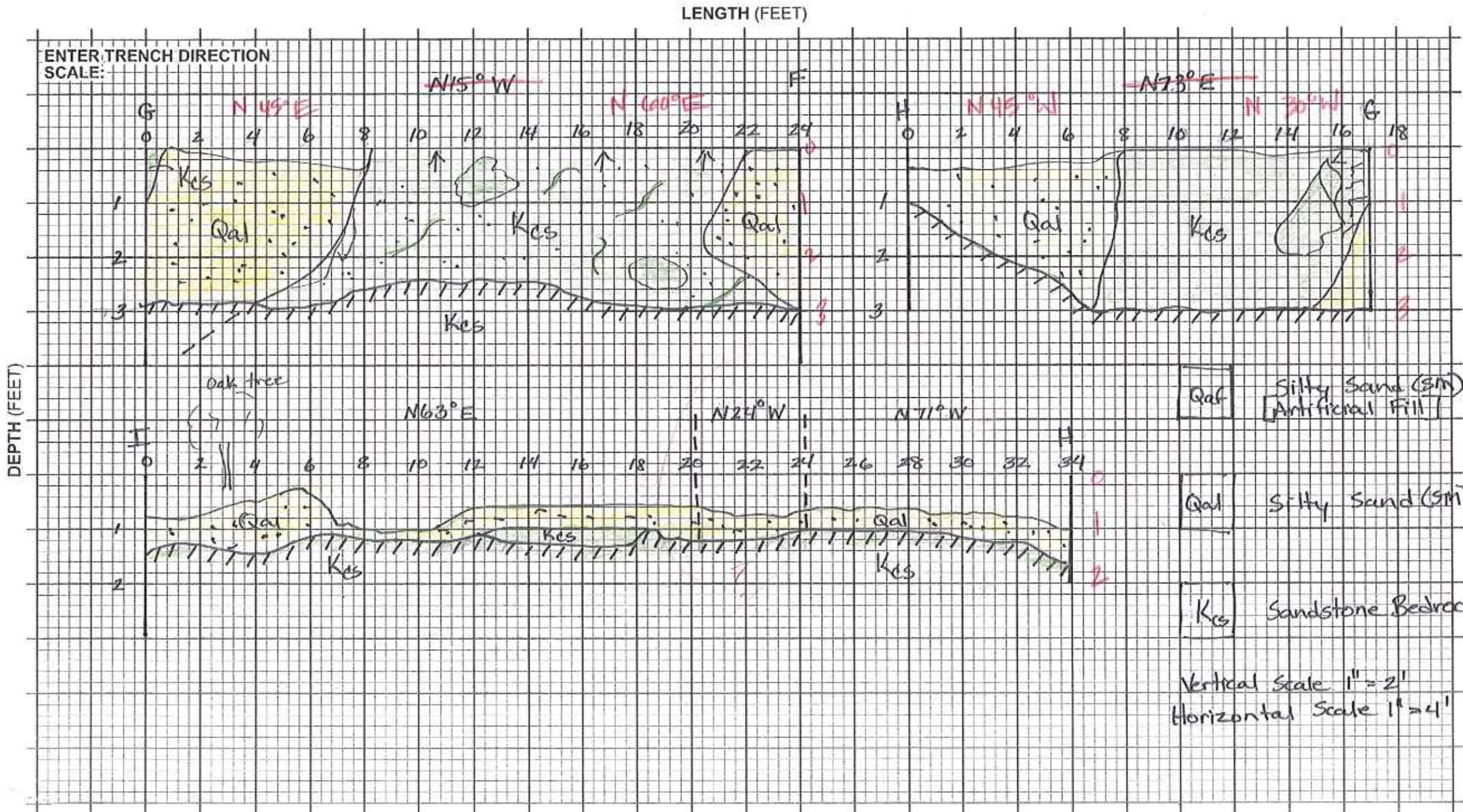
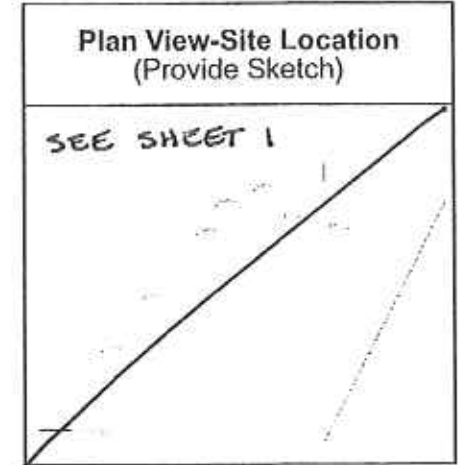
- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
 - OTHER CONTACT (AS INDICATED ON LOG)
 - FILL/NATIVE BOUNDARY
 - ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - SHADING TO DENOTE STAINING
 - BASE OF EXCAVATION
 - SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

Project Name 2010 ISRA Implementation		Elevation and Datum SURVEYED BY SAGE			Location BI-1A		Sheet 4 of 8		
Trench Number BITS 0199	Project Number 1008208.1163110				Date and Time Started 10/28/10		Date and Time Completed 10/29/10		Refusal? (Circle One) <input checked="" type="radio"/> No
Equipment Supplier MPE	Operator DAVID WILMER	Trench Orientation NE-SW		Total Depth 3 ft.	Total Number of Samples 7		Photo? (Circle One) <input checked="" type="radio"/> No	No.	
Equipment Type EXCAVATOR, VACUUM TRUCK	Bucket Width 4 ft.	Trench Length ~ 146 ft.	Trench Width VARIABLE FROM 10-30 ft.	No. of Samples	Bulk ∅	Grab 7	Drive ∅	Hand Auger ∅	
Geologist or Hydrogeologist/Date N. Beatty 10/28/10 to 10/29/10				Checked by/Date [Signature] P. BYLES 3/3/11				Wall of Trench Shown (Circle One) N S E W NE NW SE SW	



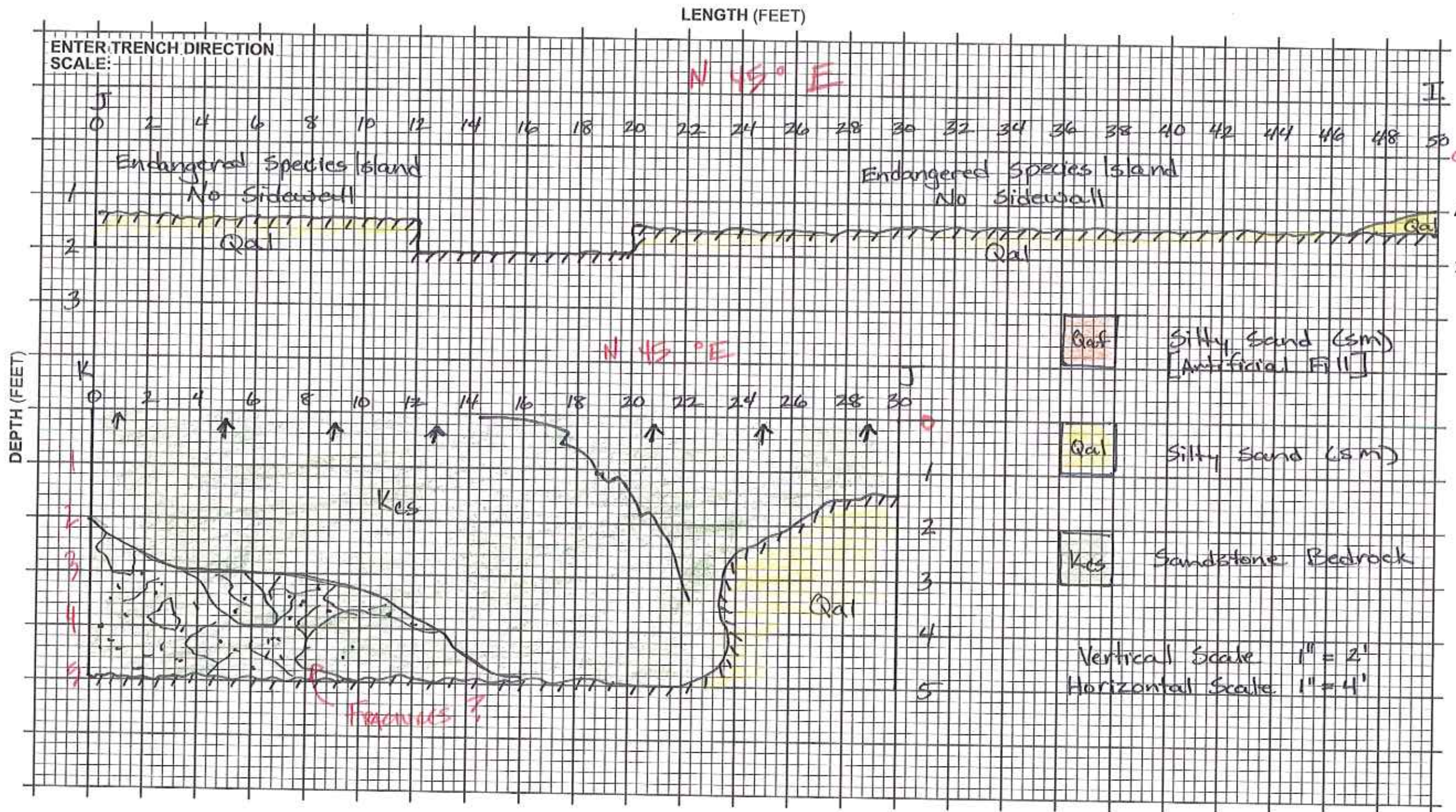
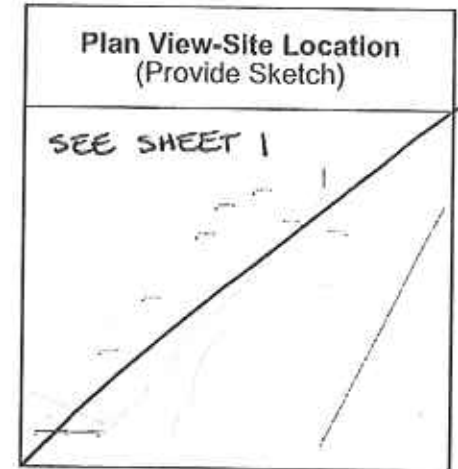
- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
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Project Name 2010 ISRA Implementation			FIELD TRENCH LOG			
Trench Number BITS0199	Project Number 1008208.1163110	Elevation and Datum SURVEYED BY SA4E	Location BI-1A	Sheet 5 of 8		
Equipment Supplier MPc	Operator DAVID WILMER	Date and Time Started 10/28/10	Date and Time Completed 10/29/10	Refusal? (Circle One) <input checked="" type="checkbox"/> No	If Yes Depth = 3 ft.	
Equipment Type EXCAVATOR, VACUUM TRUCK	Trench Orientation NE-SW	Total Depth 3 ft.	Total Number of Samples 7	Photo? (Circle One) <input checked="" type="checkbox"/> No	No.	
Bucket Width 4 ft.	Trench Length ~140 ft.	Trench Width VARIABLE FROM 10-30 ft.	No. of Samples	Bulk: \emptyset	Grab: 7	
Geologist or Hydrogeologist/Date N. Beatty 10/28/10 to 10/29/10			Checked by/Date R. P. 10/29/10 3/30/11		Drive: \emptyset	
			Hand Auger: \emptyset		% Man-Made Debris	
			Wall of Trench Shown (Circle One) N S E W NE NW SE SW			



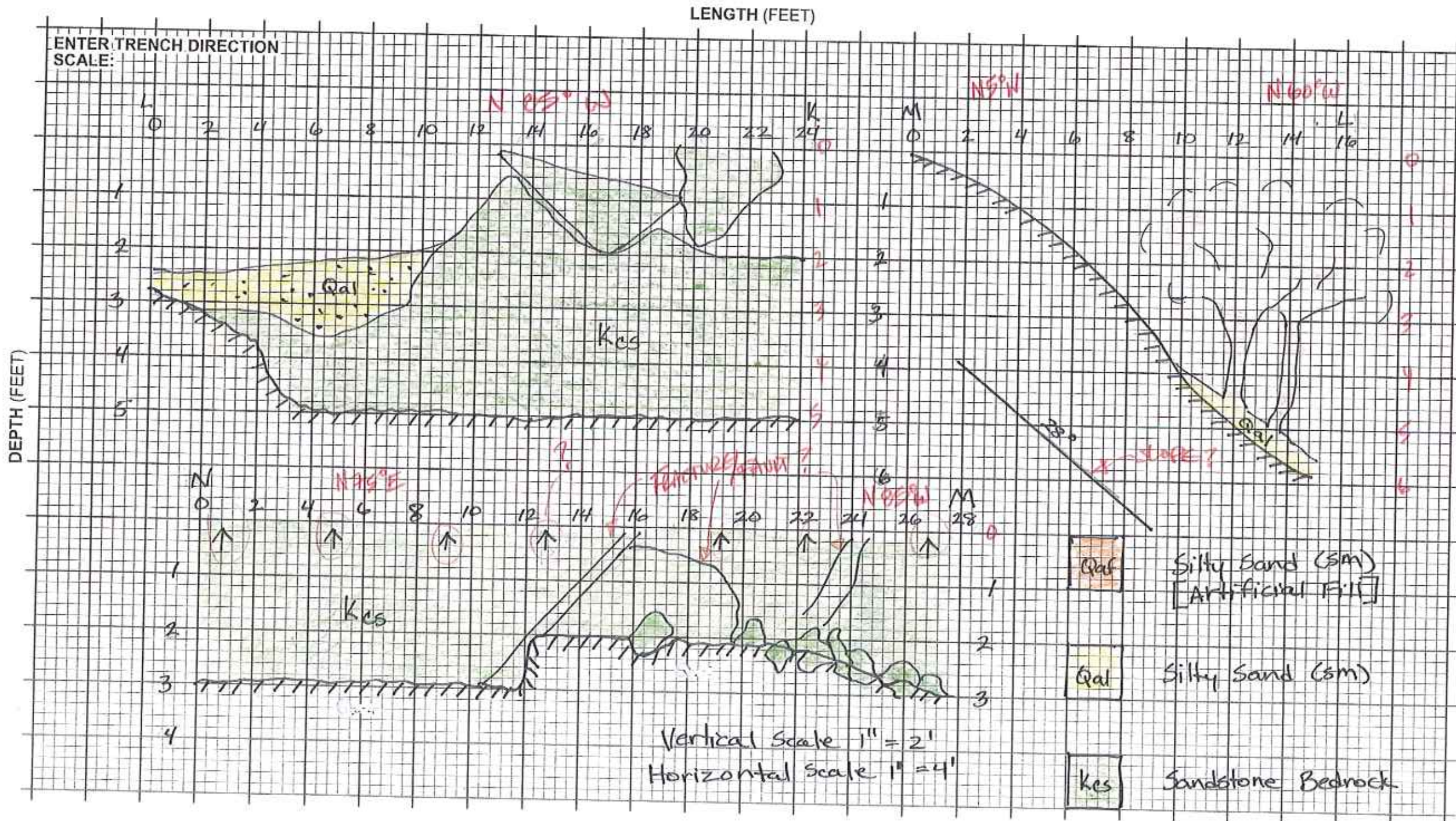
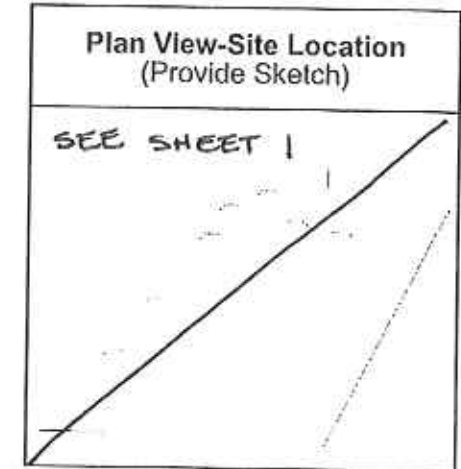
- EXPLANATION**
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Project Name 2010 ISRA Implementation			FIELD TRENCH LOG		
Trench Number BITS0199	Project Number 1008208.1163110	Elevation and Datum SURVEYED BY SAGE			
Equipment Supplier MPE	Operator DAVID WILMER	Date and Time Started 10/28/10	Date and Time Completed 10/29/10	Refusal? (Circle One) <input checked="" type="radio"/> No <input type="radio"/> Yes If Yes Depth = 3 ft.	
Equipment Type EXCAVATOR, VACUUM TRUCK	Trench Orientation NE-SW	Total Depth 3 ft.	Total Number of Samples 7	Photo? (Circle One) <input checked="" type="radio"/> No <input type="radio"/> Yes	
Bucket Width 4 ft.	Trench Length ~ 146 ft.	Trench Width VARIABLE FROM 10-30 ft.	No. of Samples Bulk \emptyset Grab 7	Drive \emptyset Hand Auger \emptyset	
Geologist or Hydrogeologist/Date N. Brady 10/28/10 to 10/29/10			Checked by/Date AB P. ANCS 3/30/11		
				Wall of Trench Shown (Circle One) N S E W NE NW SE SW	



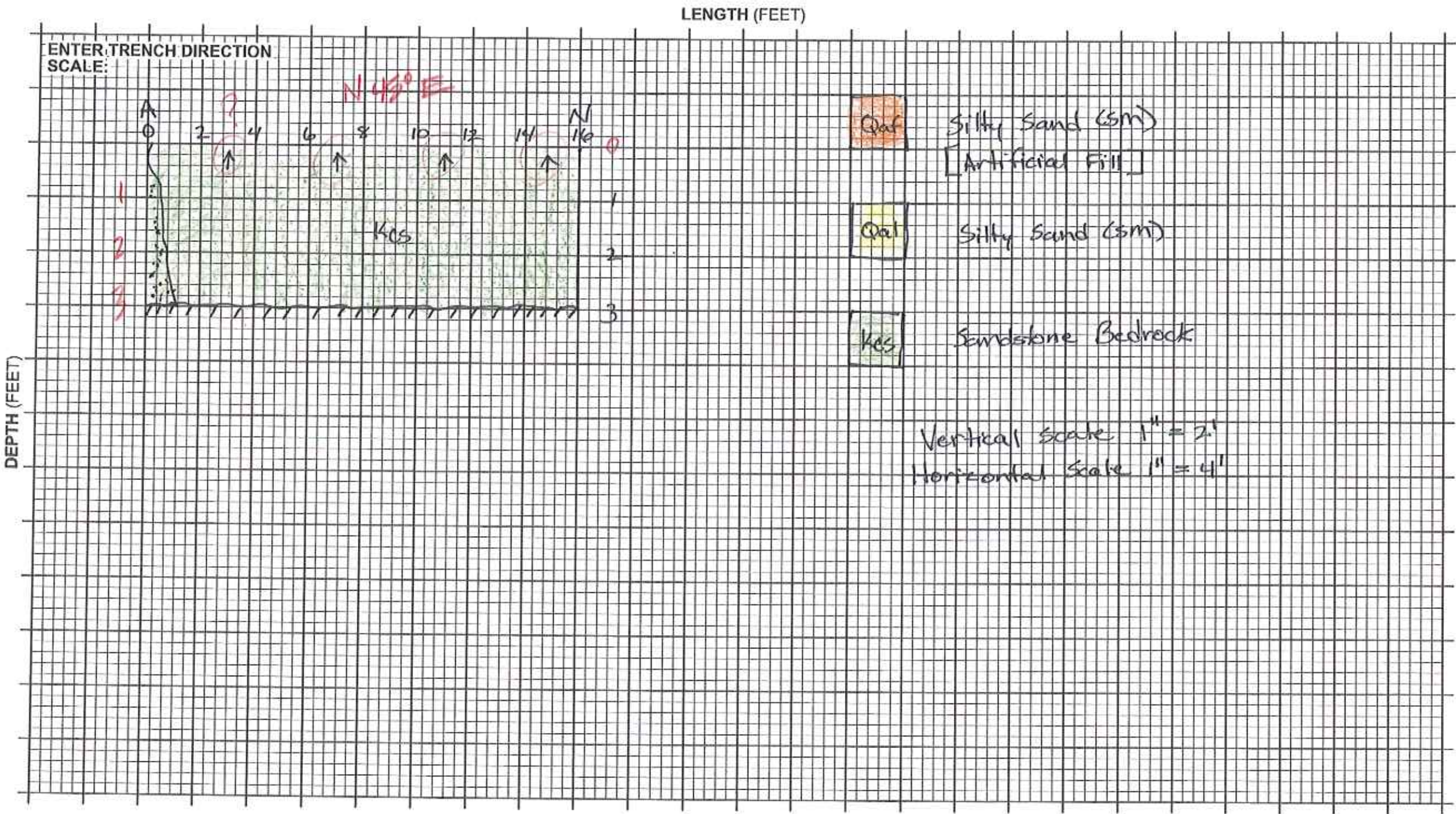
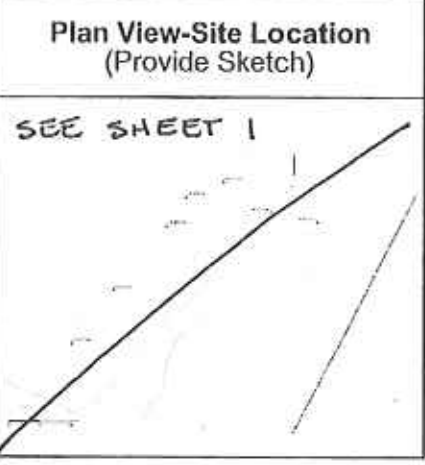
- EXPLANATION
- SOIL TYPE CONTACT (SHARP)
 - - - OTHER CONTACT (AS INDICATED ON LOG)
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 - X ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
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Project Name 2010 ISRA Implementation		Elevation and Datum SURVEYED BY SAGE		Location BI-1A		FIELD TRENCH LOG	
Trench Number BITSO199	Project Number 1008208.1163110	Date and Time Started 10/28/10		Date and Time Completed 10/29/10		Sheet <u>7</u> of <u>8</u>	
Equipment Supplier MPE	Operator DAVID WILMER	Total Depth 3 ft.		Total Number of Samples 7		Refusal? (Circle One) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If Yes Depth = 3 ft.	
Equipment Type EXCAVATION, VACUUM TRUCK	Trench Orientation NE-SW	No. of Samples	Bulk <input type="checkbox"/>	Grab <input checked="" type="checkbox"/>	Drive <input type="checkbox"/>	Hand Auger <input type="checkbox"/>	Photo? (Circle One) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No.
Bucket Width 4 ft.	Trench Length ~ 146 ft.	Trench Width VARIABLE FROM 10-30 ft.		% Man-Made Debris		Wall of Trench Shown (Circle One) N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W <input type="checkbox"/> NE <input type="checkbox"/> NW <input type="checkbox"/> SE <input type="checkbox"/> SW <input type="checkbox"/>	
Geologist or Hydrogeologist/Date N. Brady 10/28/10 to 10/29/10		Checked by/Date [Signature] 3/30/11					



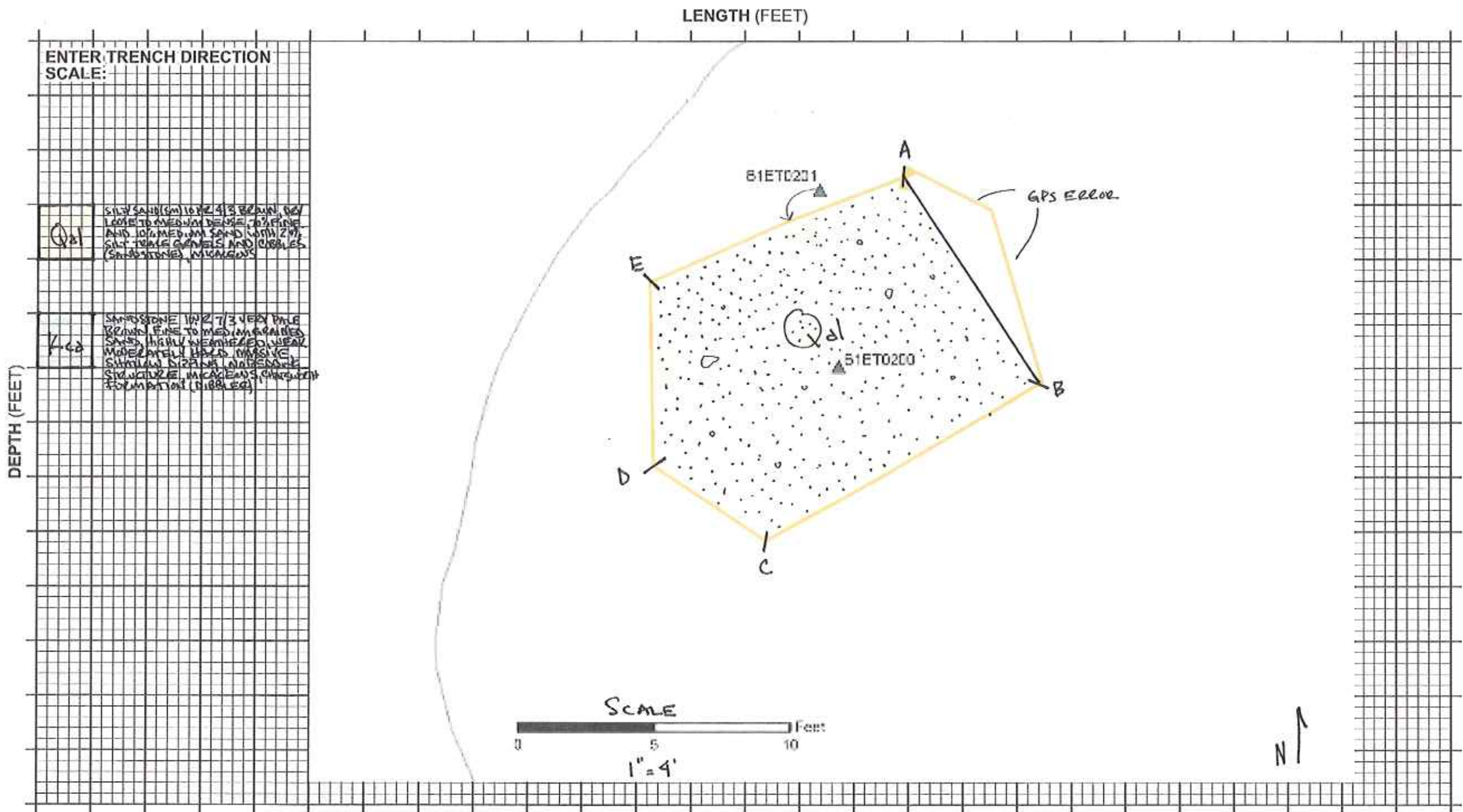
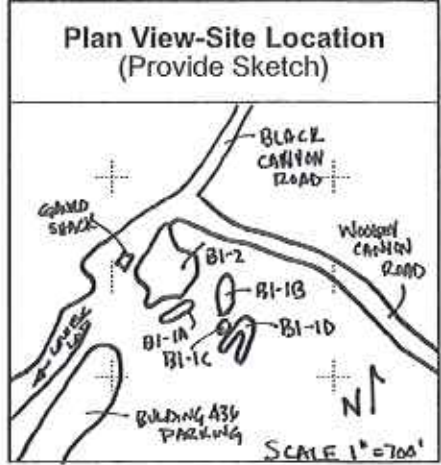


Project Name				FIELD TRENCH LOG			
Trench Number BITS0199		Project Number 1008208.1163110		Elevation and Datum SURVEYED BY SAGE		Location BI-1A	
Equipment Supplier MPe		Operator DAVID WILMER		Date and Time Started 10/28/10		Date and Time Completed 10/29/10	
Equipment Type EXCAVATOR, VACUUM TRUCK		Trench Orientation NE - SW		Total Depth 356.		Refusal? (Circle One) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes Depth = 3 ft.	
Bucket Width 456.	Trench Length ~14656.	Trench Width VARIABLE FROM 10-3056.		No. of Samples	Bulk <input type="checkbox"/>	Grab <input checked="" type="checkbox"/>	Total Number of Samples 7
Geologist or Hydrogeologist/Date N. Beatty 10/28/10 to 10/29/10				Checked by/Date R. B. G. 2/2/11		Drive <input type="checkbox"/> Hand Auger <input type="checkbox"/>	
						Phala? (Circle One) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
						% Man-Made Debris	
						Wall of Trench Shown (Circle One) N S E W NE NW SE SW	



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 - BASE OF EXCAVATION
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Project Name 2010 ISRA Implementation			FIELD TRENCH LOG		
Trench Number BITS0299	Project Number 1008208.1163110	Elevation and Datum SURVEYED BY SAGE	Location B1-1C	Sheet 1 of 2	
Equipment Supplier MPE	Operator DAVID WILMER	Date and Time Started 5 AUGUST 2010	Date and Time Completed 5 AUGUST 2010	Refusal? (Circle One) Yes: <input checked="" type="radio"/> No: <input type="radio"/>	If Yes Depth =
Equipment Type EXCAVATOR	Trench Orientation NE - SW	Total Depth 2.5 ft. bgs	Total Number of Samples 2	Photo? (Circle One) <input checked="" type="radio"/> Yes <input type="radio"/> No	No.
Bucket Width 4 ft.	Trench Length 19 ft.	Trench Width 12 ft.	No. of Samples	Bulk <input type="checkbox"/>	Grab <input checked="" type="checkbox"/>
Geologist or Hydrogeologist/Date STACIE L. AICHER LOGGED ON 28 OCTOBER, 2010			Checked by/Date SAGE 3/31/11	Drive <input type="checkbox"/>	Hand Auger <input type="checkbox"/>
			Wall of Trench Shown (Circle One) N S E W NE NW SE SW		



- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
 - - - - OTHER CONTACT (AS INDICATED ON LOG)
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