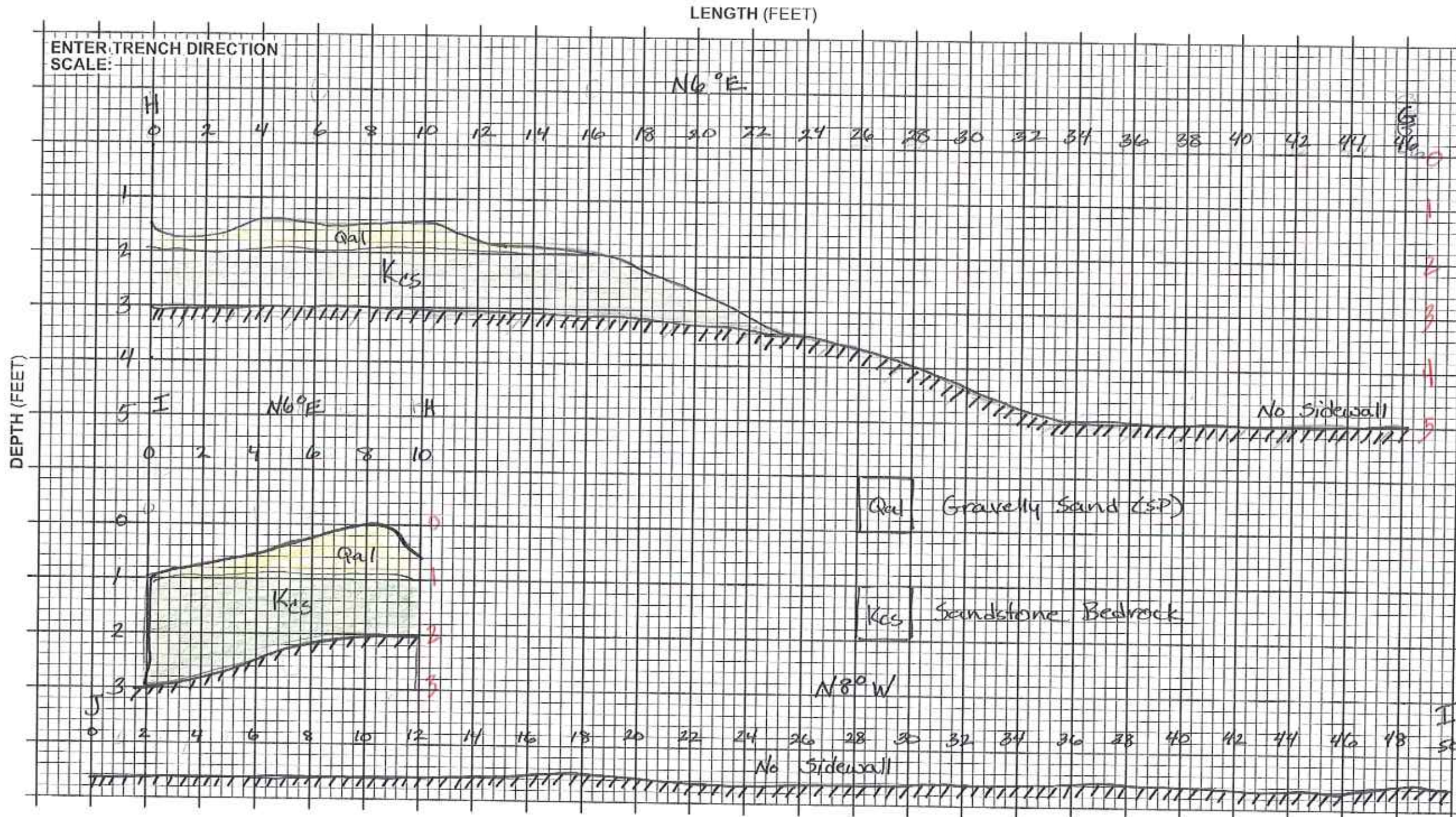
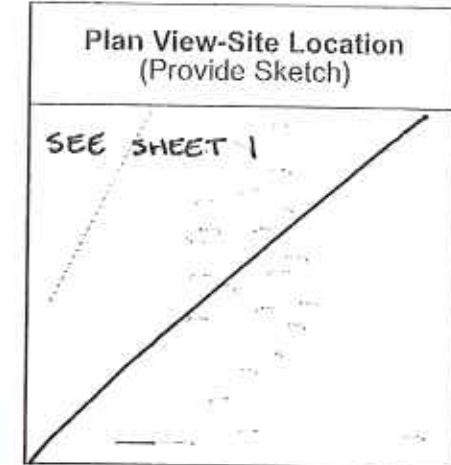


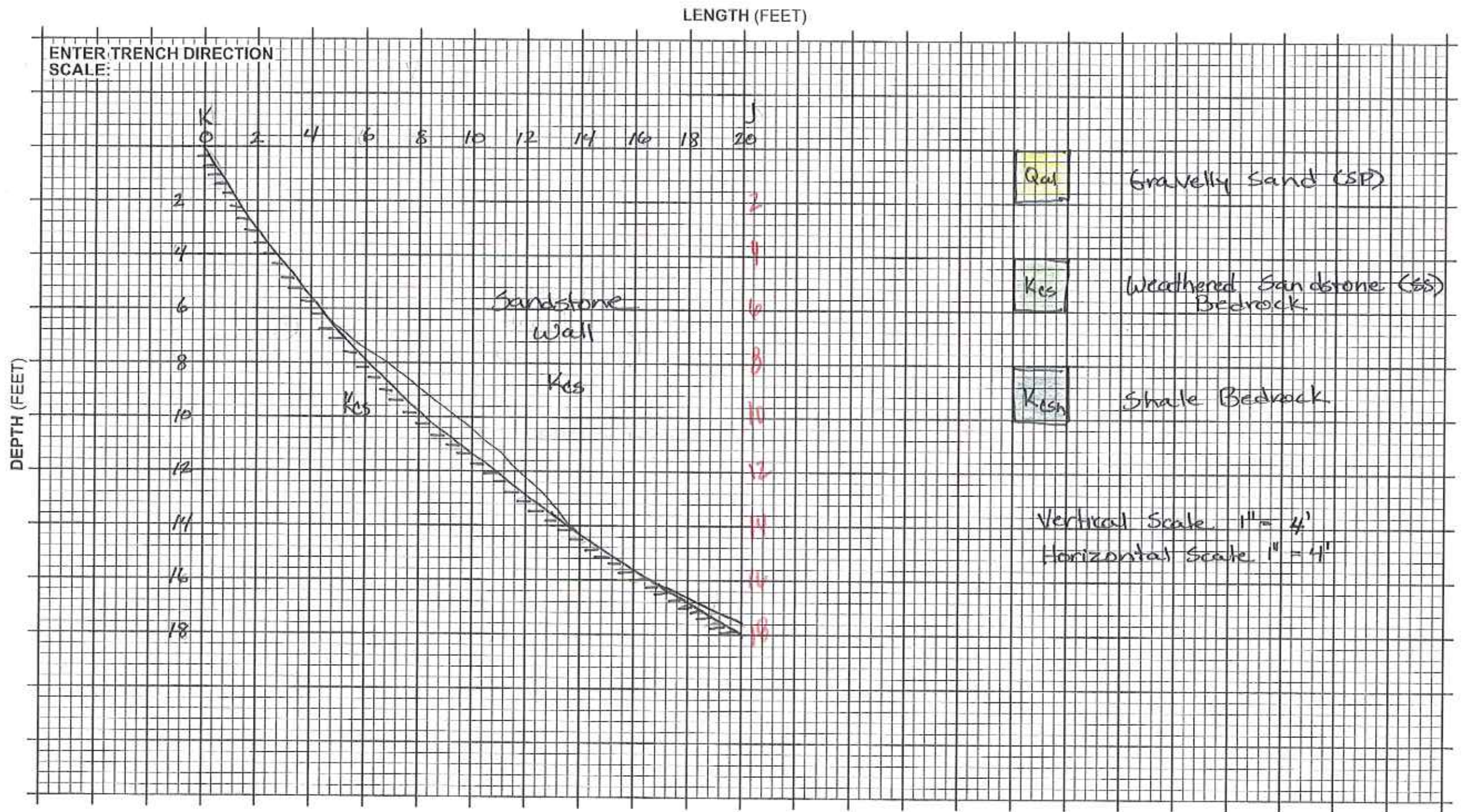
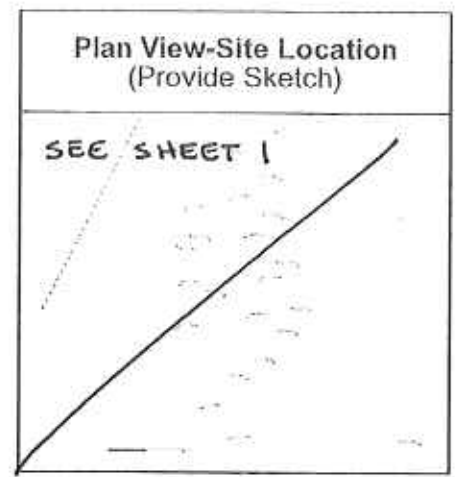
Project Name 2010 ISRA Implementation		Elevation and Datum SURVEYED BY SAGE			Location B1-1B		Sheet 7 of 9	
Trench Number BITS0499	Project Number 1008208.1163110				Date and Time Started 10/27/10	Date and Time Completed 10/28/10	Refusal? (Circle One) <input checked="" type="checkbox"/> No	If Yes Depth - VARIED
Equipment Supplier MPE	Operator DAVID WILMER	Total Depth VARIED	Total Number of Samples 22	Photo? (Circle One) <input checked="" type="checkbox"/> No	No	% Man-Made Debris		
Equipment Type EXCAVATOR	Trench Orientation N-S	No. of Samples 22	Bucket Ø	Grab 22	Drive Ø	Hand Auger Ø		
Bucket Width 4 Ft.	Trench Length ~152 Ft.	Trench Width VARIABLE FROM 20-77 Ft.	Checked In Date AS P. 465 3/30/11		Wall of Trench Shown (Circle One) N S E W NE NW SE SW			
Geologist or Hydrogeologist/Date N. Beatty 10/27/10 to 10/28/10								



EXPLANATION

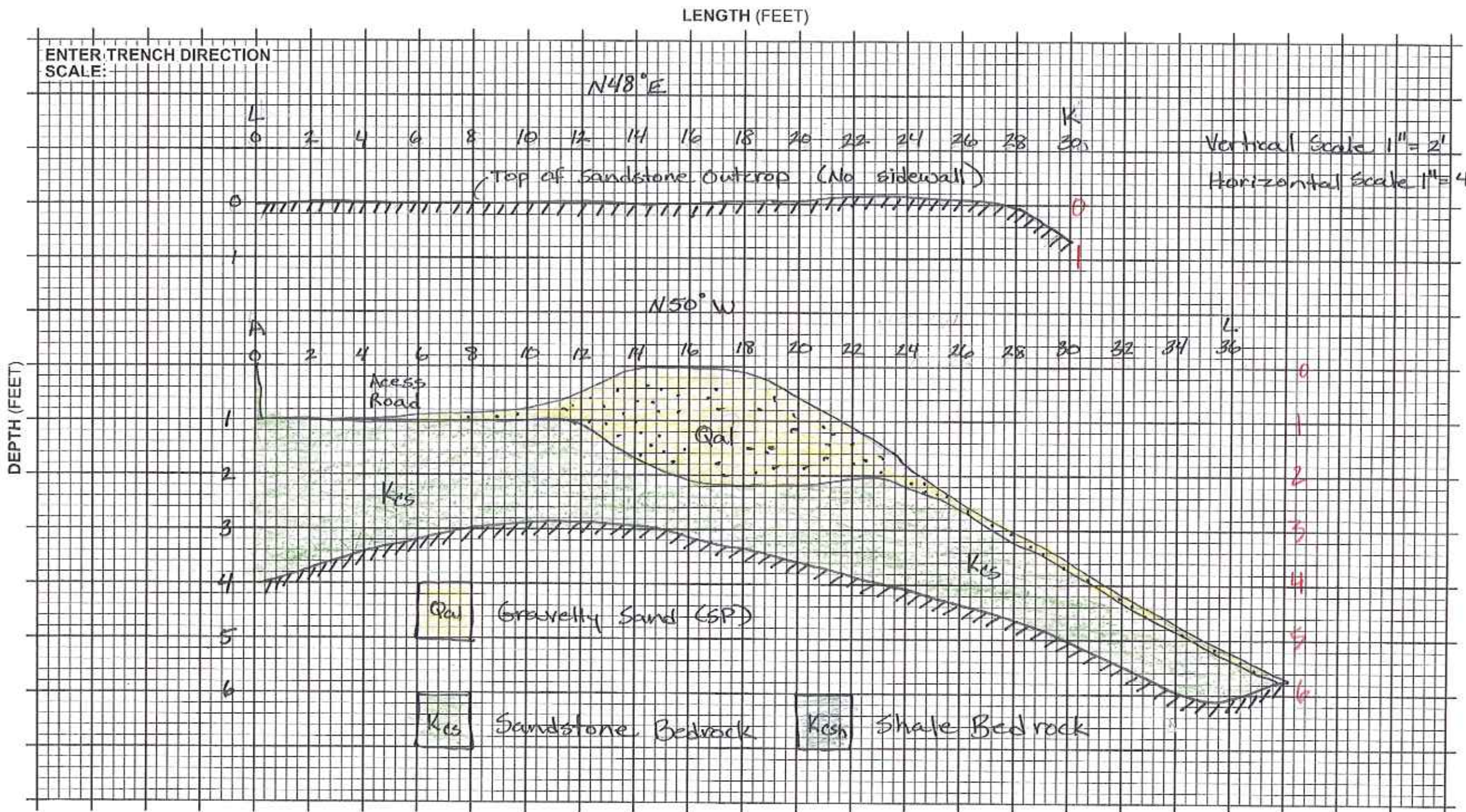
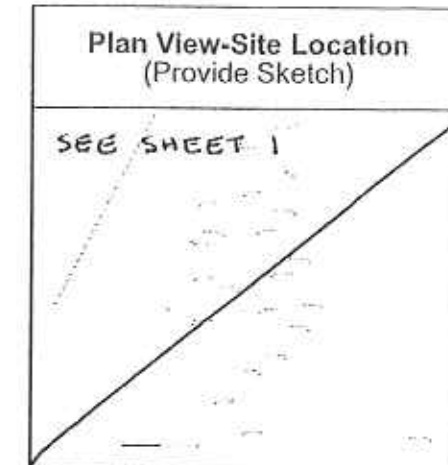
- SOIL TYPE CONTACT (SHARP)
- - - OTHER CONTACT (AS INDICATED ON LOG)
- - - FILL/NATIVE BOUNDARY
- X ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- G GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- //// SHADING TO DENOTE STAINING
- ////// BASE OF EXCAVATION
- SHOW LOCATIONS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

Project Name 2010 ISRA Implementation			FIELD TRENCH LOG			
Trench Number BITS0499	Project Number 1008208.1163110	Elevation and Datum SURVEYED BY SAGE	Location B1-1B	Sheet 8 of 9		
Equipment Supplier MPE	Operator DAVID WILMER	Date and Time Started 10/27/10	Date and Time Completed 10/28/10	Refusal? (Circle One) <input checked="" type="radio"/> No	If Yes Depth = VARIED	
Equipment Type EXCAVATOR	Trench Orientation N-S	Total Depth VARIED	Total Number of Samples 22	Photo? (Circle One) <input checked="" type="radio"/> No	No.	
Bucket Width 4 ft.	Trench Length ~152 ft.	Trench Width VARIABLE FROM 20-77 ft.	No. of Samples 22	Drive Ø	Hand Auger Ø	
Geologist or Hydrogeologist Date N. Brady 10/27/10 to 10/28/10		Checked by/Date R. QUINIS 3/20/11		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
 - 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				FIELD TRENCH LOG			
Trench Number: BITS 0499		Project Number: 1008208.1163110		Elevation and Datum: SURVEYED BY SAGE		Location: B1-1B	
Equipment Supplier: MPE		Operator: DAVID WILMER		Date and Time Started: 10/27/10		Date and Time Completed: 10/28/10	
Equipment Type: EXCAVATOR		Trench Orientation: N-S		Total Depth: VARIOUS		Refusal? (Circle One) <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
Bucket Width: 4 ft.		Trench Length: ~152 ft.		Trench Width: VARIABLE FROM 20-77 ft.		Photo? (Circle One) <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
Geologist or Hydrogeologist/Date: N. Beaty 10/27/10 to 10/28/10		Checked by/Date: [Signature] P. [Signature] 3/30/11		Total Number of Samples: 22		If Yes Depth: VARIOUS	
		No. of Samples: 22		Bulk: 0		Grab: 22	
				Drive: 0		Hand Auger: 0	
						% Man-Made Debris:	
						Wall of Trench Shown (Circle One) N S E W NE NW SE SW	



EXPLANATION

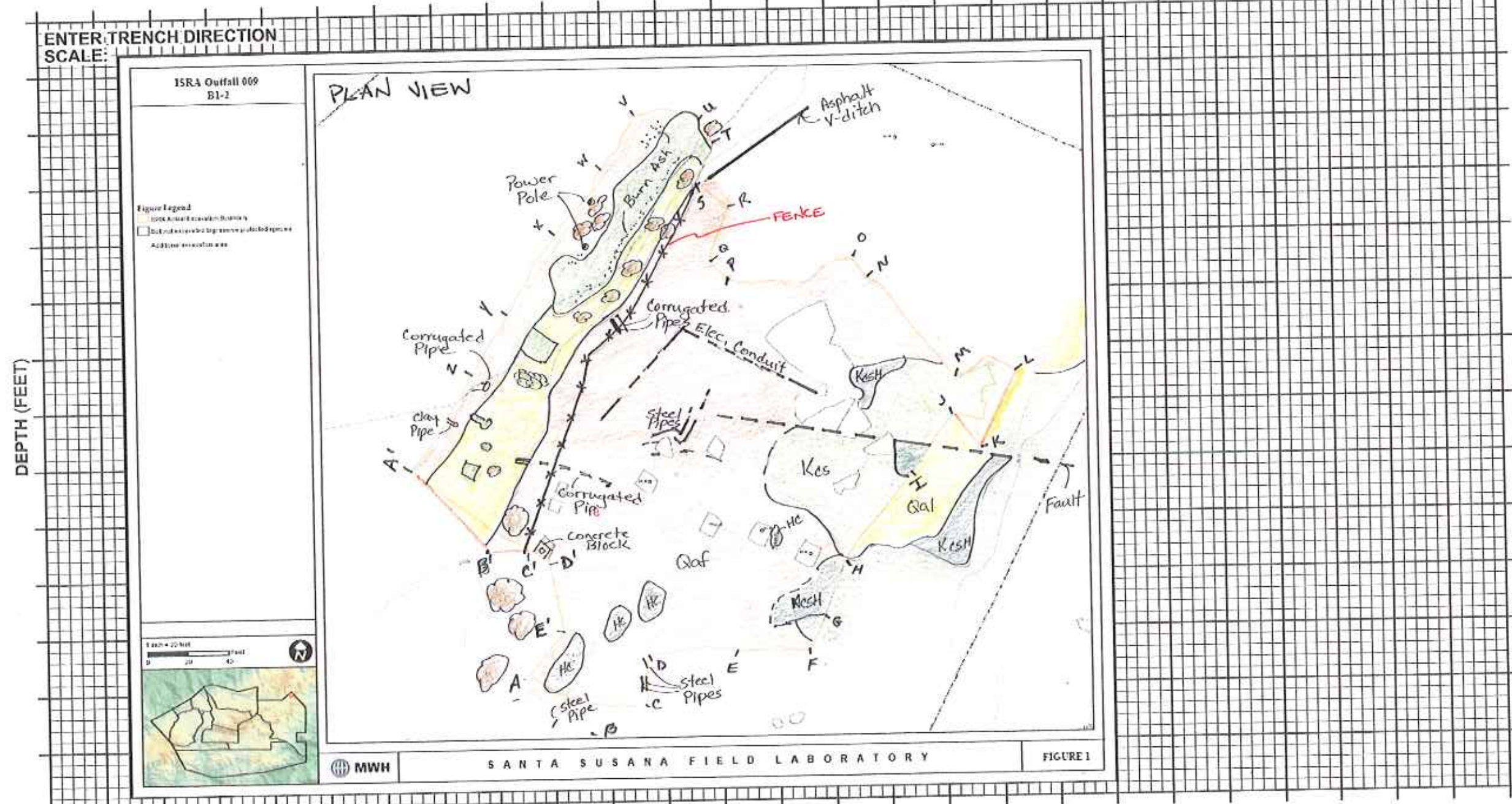
- SOIL TYPE CONTACT (SHARP)
- OTHER CONTACT (AS INDICATED ON LOG)
- FILL/NATIVE BOUNDARY
- ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- SHADING TO DENOTE STAINING
- BASE OF EXCAVATION
- SHOW LOCATIONS AND TYPES OF ALL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



Project Name				FIELD TRENCH LOG			
2010 ISRA Implementation - Boeing		Project Number 10008208		Elevation and Datum SURVEYED BY SAGE		Location B1-2	
Trench Number BITS0599		Operator DAVID WILMER		Date and Time Started 11/18/10		Date and Time Completed 12/14/10	
Equipment Supplier MPE		Trench Orientation NE-SW		Total Depth VARIES		Refusal? (Circle One) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If Yes Depth = VARIES	
Equipment Type EXCAVATOR, VACUUM TRUCK		Trench Width ~60 ft.		No. of Samples Bulk \emptyset Grab 81		Photo? (Circle One) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No.	
Bucket Width 4 ft.		Trench Length ~80 ft.		Checked by/Date Andrew Payne 3/24/11		Drive \emptyset Hand Auger \emptyset	
Geologist or Hydrogeologist/Date N. Beatty 11/18/10 to 12/14/10						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
- 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

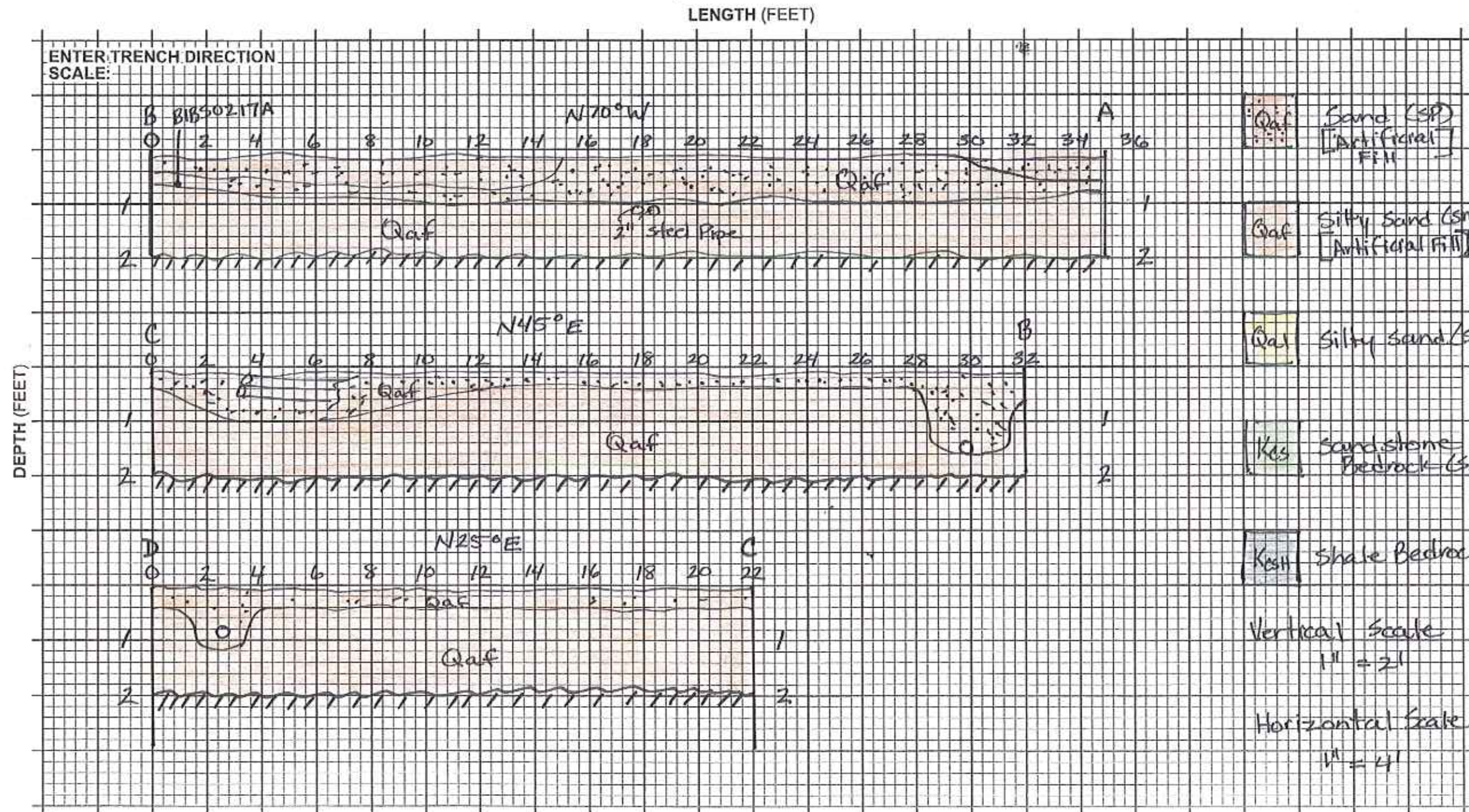
* THE ISRA AREA BOUNDARY SHOWN IN ORANGE IS THE TENTATIVE GPS DEFINED AREA AND WAS LATER SURVEYED BY SAGE CONSULTANTS.

Project Name: 2010 ISRA Implementation - NASA Boeing			FIELD TRENCH LOG			
Trench Number: BITS0599	Project Number: 10008208/B	Elevation and Datum: SURVEYED BY SAGE	Location: AP/STP B1-2	Sheet 2 of 16		
Equipment Supplier: MPE	Operator: DAVID WILMER	Date and Time Started: 11/18/10	Date and Time Completed: 12/14/10	Refusal? (Circle One): YES No	If Yes Depth = VARIES	
Equipment Type: EXCAVATOR, VACUUM TRUCK	Trench Orientation: NE-SW	Total Depth: VARIES	Total Number of Samples: 81	Photo? (Circle One): YES No	No.	
Bucket Width: 4 ft.	Trench Length: ~80 ft.	Trench Width: ~60 ft.	No. of Samples: Bulk \emptyset Grab 81	Drive: \emptyset	Hand Auger: \emptyset	
Geologist or Hydrogeologist Date: N. Beatty 11/18/10 to 12/14/10			Checked by/Date: Andrew Rose 3/24/11		Wall of Trench Shown (Circle One): N S E W NE NW SE SW	



Plan View-Site Location (Provide Sketch)

SEE SHEET 1



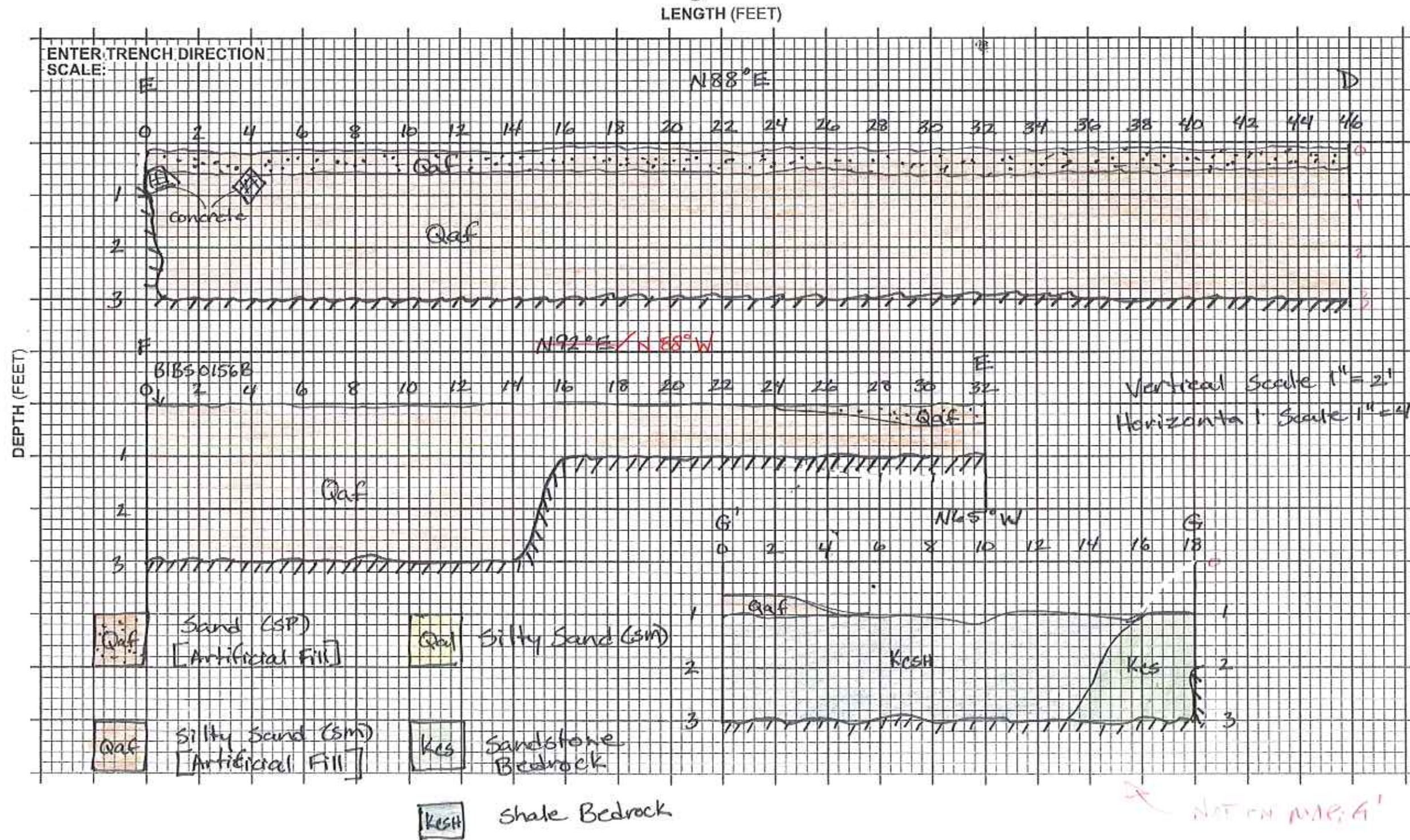
- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
 - - - - OTHER CONTACT (AS INDICATED ON LOG)
 - - - - FILL/NATIVE BOUNDARY
 - X ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - G GEOTECHNICAL SAMPLE LOCATION, (WRITE SAMPLE NUMBER OUT TO SIDE)
 - //// SHADING TO DENOTE STAINING
 - //// BASE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

Project Name: 2010 ISRA Implementation - NASA Boeing			FIELD TRENCH LOG		
Trench Number: BITS0599	Project Number: 100082018 AP	Elevation and Datum:	Location: AP/STP: B1-2	Sheet 3 of 16	
Equipment Supplier: MPE	Operator: DAVID WILMER	Date and Time Started: 11/18/10	Date and Time Completed: 12/14/10	Refill? (Circle One): Yes	If Yes Depth = VARIES
Equipment Type: EXCAVATOR, VACUUM TRUCK	Trench Orientation: NE - SW	Total Depth: VARIES	Total Number of Samples: 81	Photo? (Circle One): Yes	No
Bucket Width: 4 ft.	Trench Length: ~80 ft.	Trench Width: ~60 ft.	No. of Samples: Bulk: \emptyset Grab: 81	Drive: \emptyset	Hard Auger: \emptyset
Geologist or Hydrogeologist/Date: N. Beatty 11/18/10 to 12/14/10			Checked by/Date: Andrew Payne 3/24/11 RUBEN DAVIS		Wall of Trench Shown (Circle One): N S E W NE NW SE SW



Plan View-Site Location (Provide Sketch)

SEE SHEET 1



- 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

NOT ON MAP: G'

Project Name: 2010 ISRA Implementation -445A Boeing		FIELD TRENCH LOG			
Trench Number: BITS0599	Project Number: 10008205/8	Elevation and Datum: SURVEYED BY SAGE	Location: AP/STP B1-2	Sheet 4 of 16	
Equipment Supplier: mpe	Operator: DAVID WILMER	Date and Time Started: 11/18/10	Date and Time Completed: 12/14/10	Refuse? (Circle One) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes Depth = VARIES
Equipment Type: EXCAVATOR, VACUUM TRUCK	Trench Orientation: NE-SW	Total Depth: VARIES	Total Number of Samples: 81	Photo? (Circle One) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Na.
Bucket Width: 4 ft.	Trench Length: ~80 ft.	Trench Width: ~60 ft.	No. of Samples: Bulk \emptyset Grab 81	Drive: \emptyset	Hand Auger: \emptyset
Geologist or Hydrogeologist Date: N. Beaty 11/18/10 to 12/14/10		Checked by/Date: ANDREW BYRNE 3/24/11		Wall of Trench Shown (Circle One) N S E W NE NW SE SW	

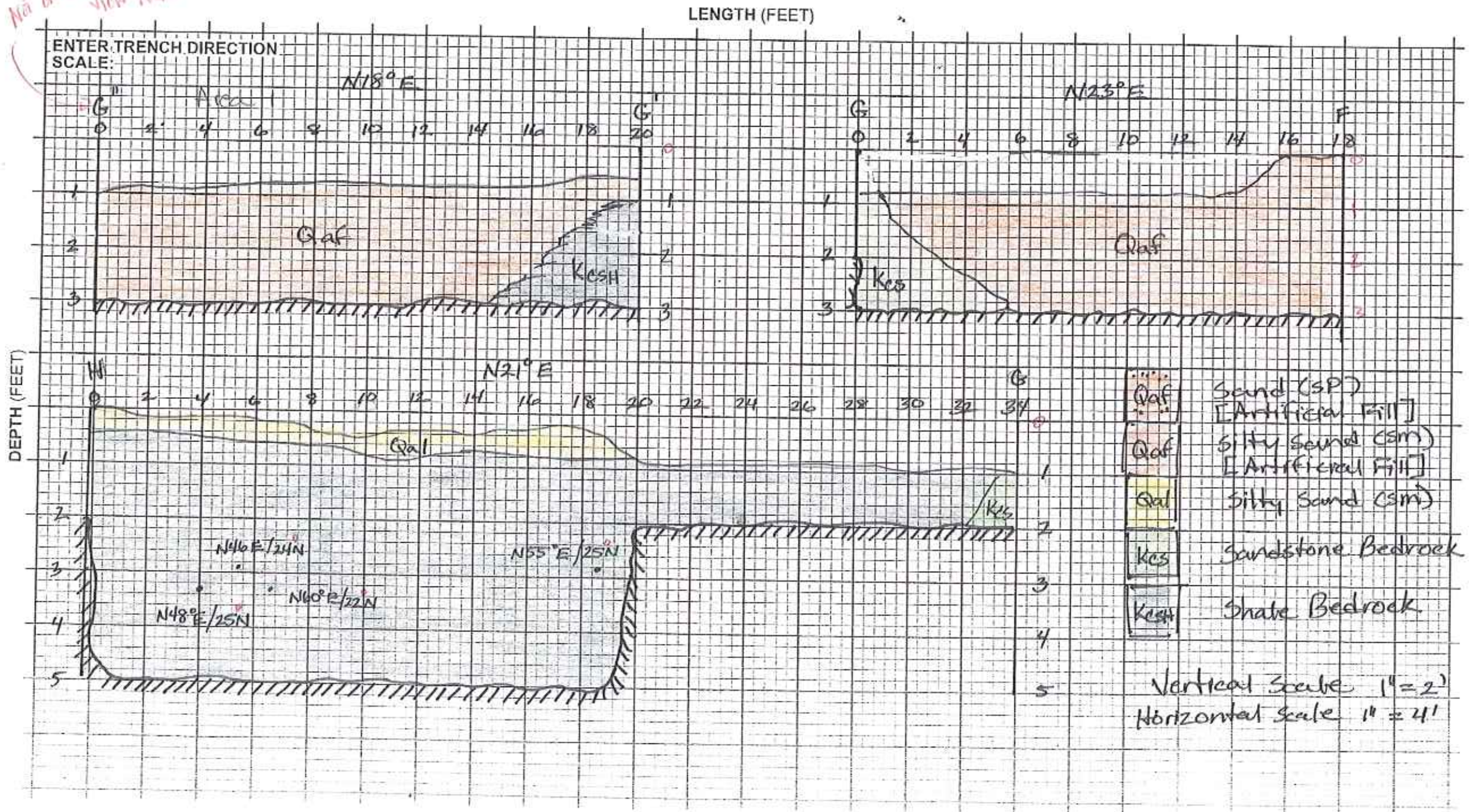


MWH

Plan View-Site Location
(Provide Sketch)

+ +
SEE SHEET 1
+ +

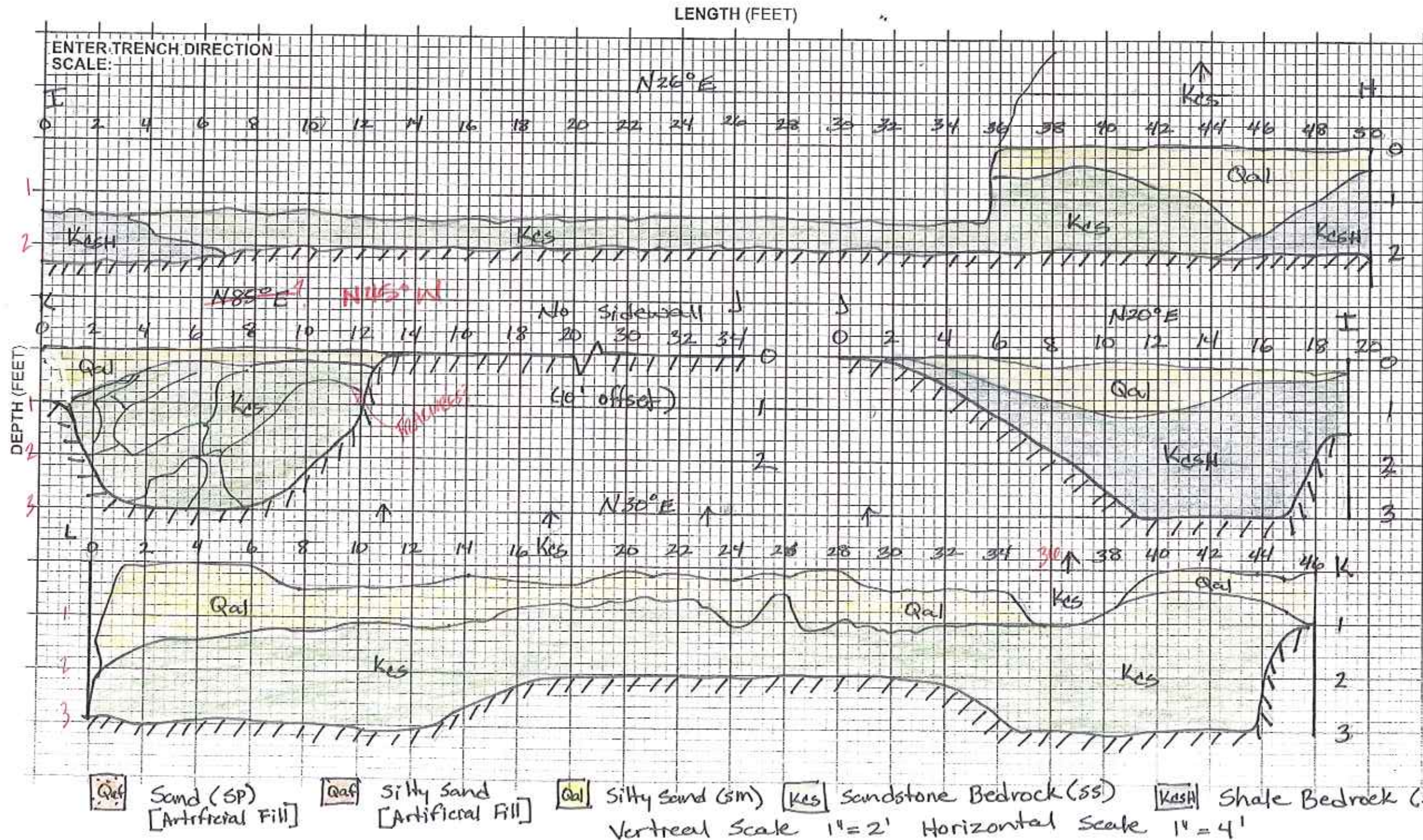
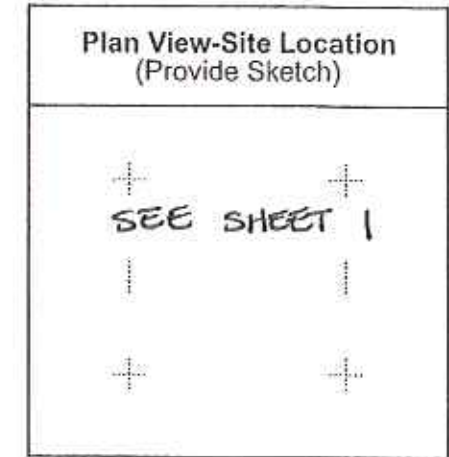
Not on PLAN VIEW MAP



EXPLANATION

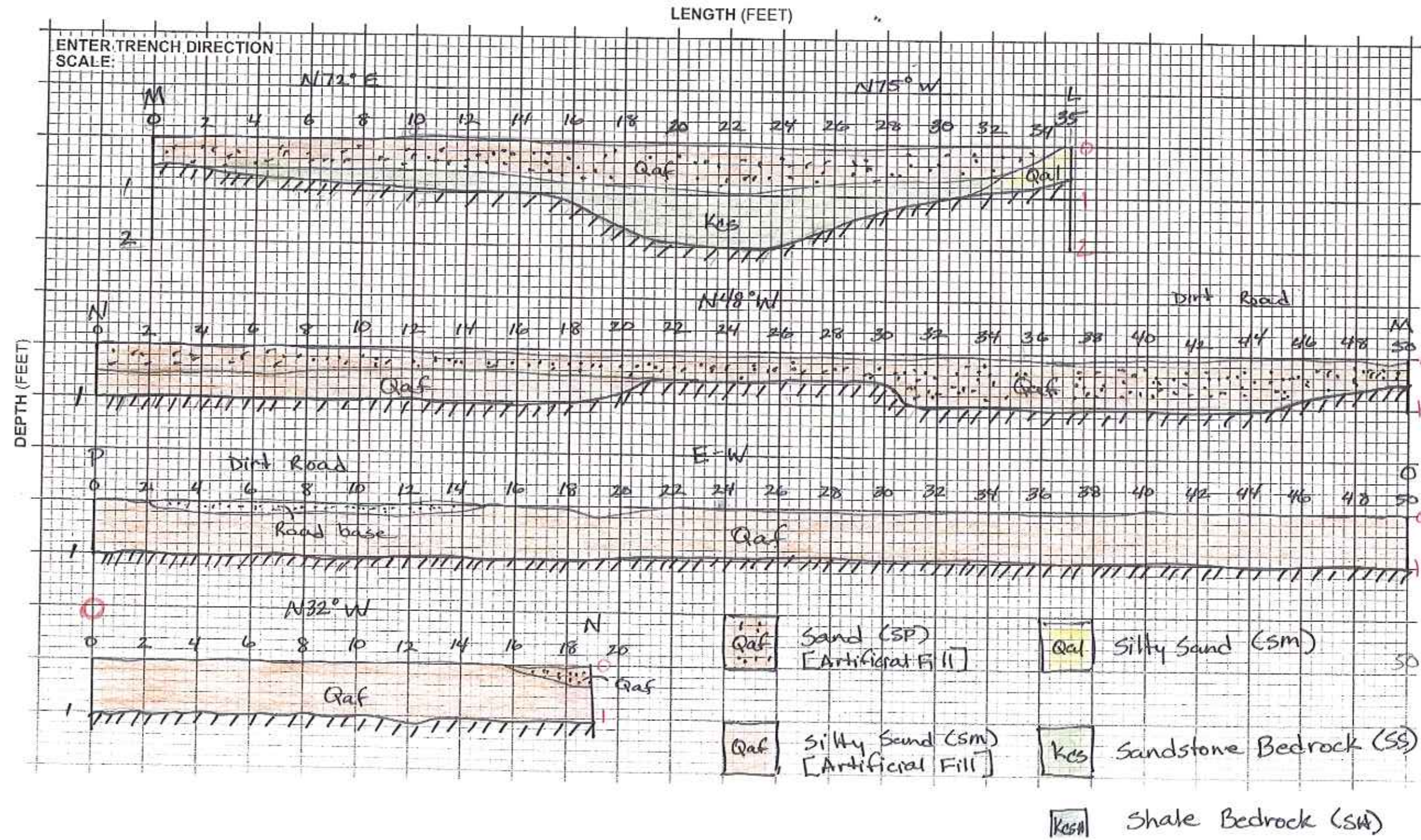
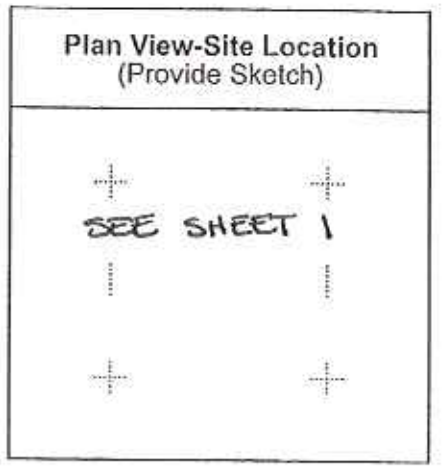
- SOIL TYPE CONTACT (SHARP)
- OTHER CONTACT (AS INDICATED ON LOG)
- FILL/NATIVE BOUNDARY
- ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- SHADING TO DENOTE STAINING
- BASE OF EXCAVATION
- SHOW LOCATIONS AND TYPES OF ALL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

Project Name: 2010 ISRA Implementation - NASA Boeing				FIELD TRENCH LOG			
Trench Number: BITS0599		Project Number: 1000820/8 AR		Elevation and Datum: SURVEYED BY SAGE		Location: AP/STP B1-2	
Equipment Supplier: MPE		Operator: DAVID WILMER		Date and Time Started: 11/18/10		Date and Time Completed: 12/14/10	
Equipment Type: EXCAVATOR, VACUUM TRUCK		Trench Orientation: NE-SW		Total Depth: VARIES		Radius? (Circle One): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Bucket Width: 4 ft.		Trench Length: ~80 ft.		Trench Width: ~60 ft.		Photo? (Circle One): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Geologist or Hydrogeologist Date: N. Brady 11/18/10 to 12/14/10		Checked by/Date: ANDREW PAYNE 3/24/11		No. of Samples: Bulk \emptyset Grab 81		Total Number of Samples: 81	
				Drive: \emptyset		Hand Auger: \emptyset	
						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"/>	
						If Yes Depth = VARIES	
						% Man-Made Debris	



- 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 Boeing		FIELD TRENCH LOG	
Trench Number BITS0599	Project Number 1000820/8 NE	Elevation and Datum SURVEYED BY SAGE	Location AP/STR B1-2
Equipment Supplier MPE	Operator DAVID WILMER	Date and Time Started 11/18/10	Date and Time Completed 12/14/10
Equipment Type EXCAVATOR, VACUUM TRUCK	Trench Orientation NE - SW	Total Depth Varies	Total Number of Samples 81
Bucket Width 4 ft.	Trench Length ~ 80 ft.	Trench Width ~ 60 ft.	No. of Samples Bulk \emptyset Grab 81 Drive \emptyset Hand Auger \emptyset
Geologist or Hydrogeologist Date N. Brady 11/18/10 to 12/14/10		Checked by/Date Andrew Payne 3/24/11 Ph. 2465	Refusal? (Circle One) <input checked="" type="radio"/> No <input type="radio"/> Yes If Yes Depth = VARIES
			Photo? (Circle One) <input checked="" type="radio"/> Yes <input type="radio"/> No
			% Man-Made Debris
			Wall of Trench Shown (Circle One) N S E W NE NW SE SW



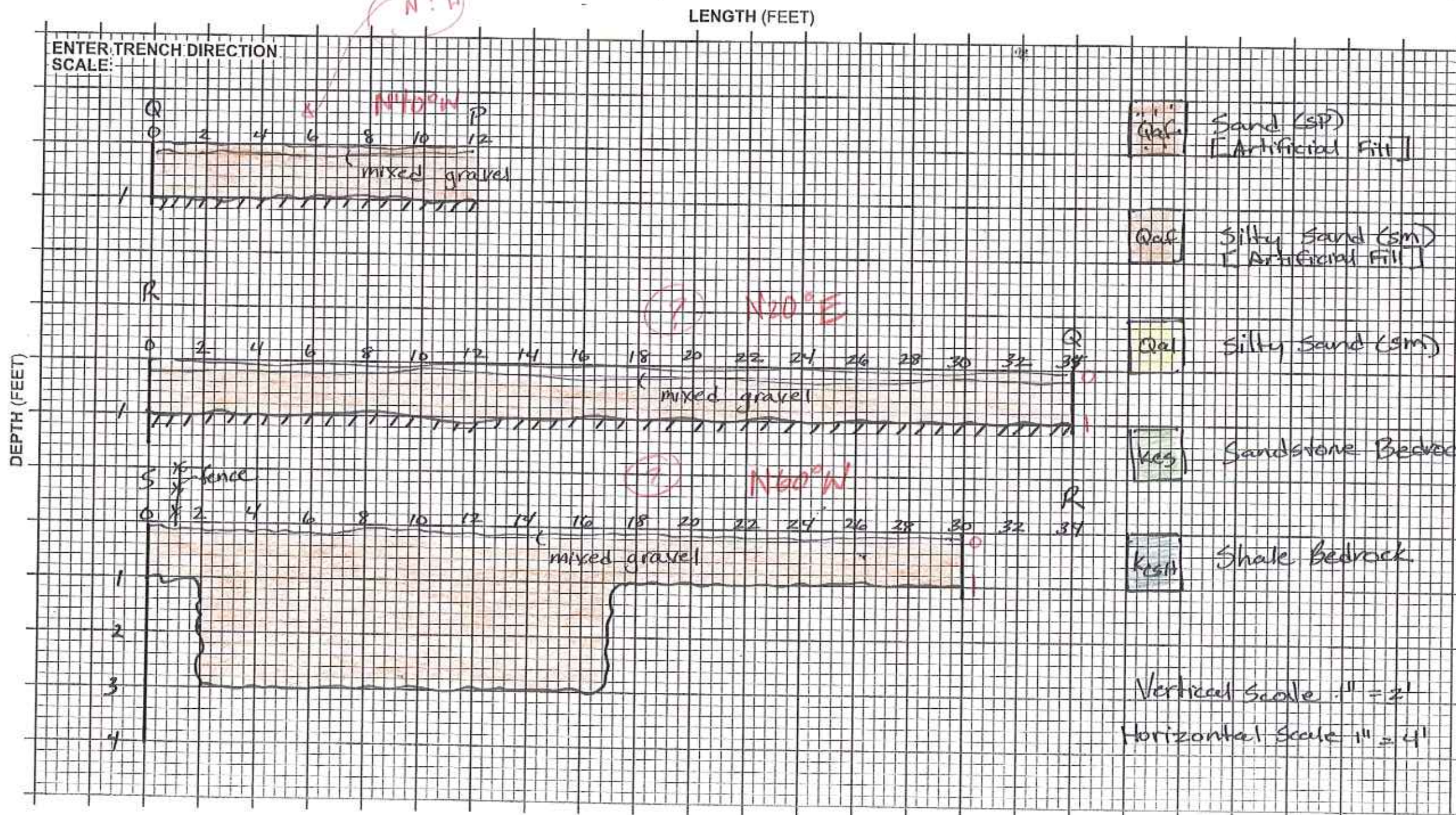
- EXPLANATION
- SOIL TYPE CONTACT (SHARP)
 - OTHER CONTACT (AS INDICATED ON LOG)
 - FILL/NATIVE BOUNDARY
 - ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - SHADING TO DENOTE STAINING
 - BASE OF EXCAVATION
 - SHOW LOCATIONS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

Project Name 2010 ISRA Implementation - NASA Boeing			FIELD TRENCH LOG		
Trench Number BITS0599	Project Number 10008208 <small>NR</small>	Elevation and Datum SURVEYED BY SAGE	Location AP/STR B1-2	Sheet <u>7</u> of <u>16</u>	
Equipment Supplier MPE	Operator DAVID WILMER	Date and Time Started 10/18/10	Date and Time Completed 12/14/10	Refusal? (Circle One) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes Depth = VARIES
Equipment Type EXCAVATOR, VACUUM TRUCK	Trench Orientation NE - SW	Total Depth Varies	Total Number of Samples 81	Photo? (Circle One) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No.
Bucket Width 4 ft.	Trench Length ~80 ft.	Trench Width ~60 ft.	No. of Samples	Bulk <input type="checkbox"/>	Grab <input checked="" type="checkbox"/> 81
Geologist or Hydrogeologist/Date N. Beaty 11/18/10 to 12/14/10		Checked by/Date ANDREW PAYNE 3/24/11 <small>PA. BYES</small>		Drive <input type="checkbox"/>	Hand Auger <input checked="" type="checkbox"/>
			Wall of Trench Shown (Circle One) N S E W NE NW SE SW		



Plan View-Site Location
(Provide Sketch)

SEE SHEET 1



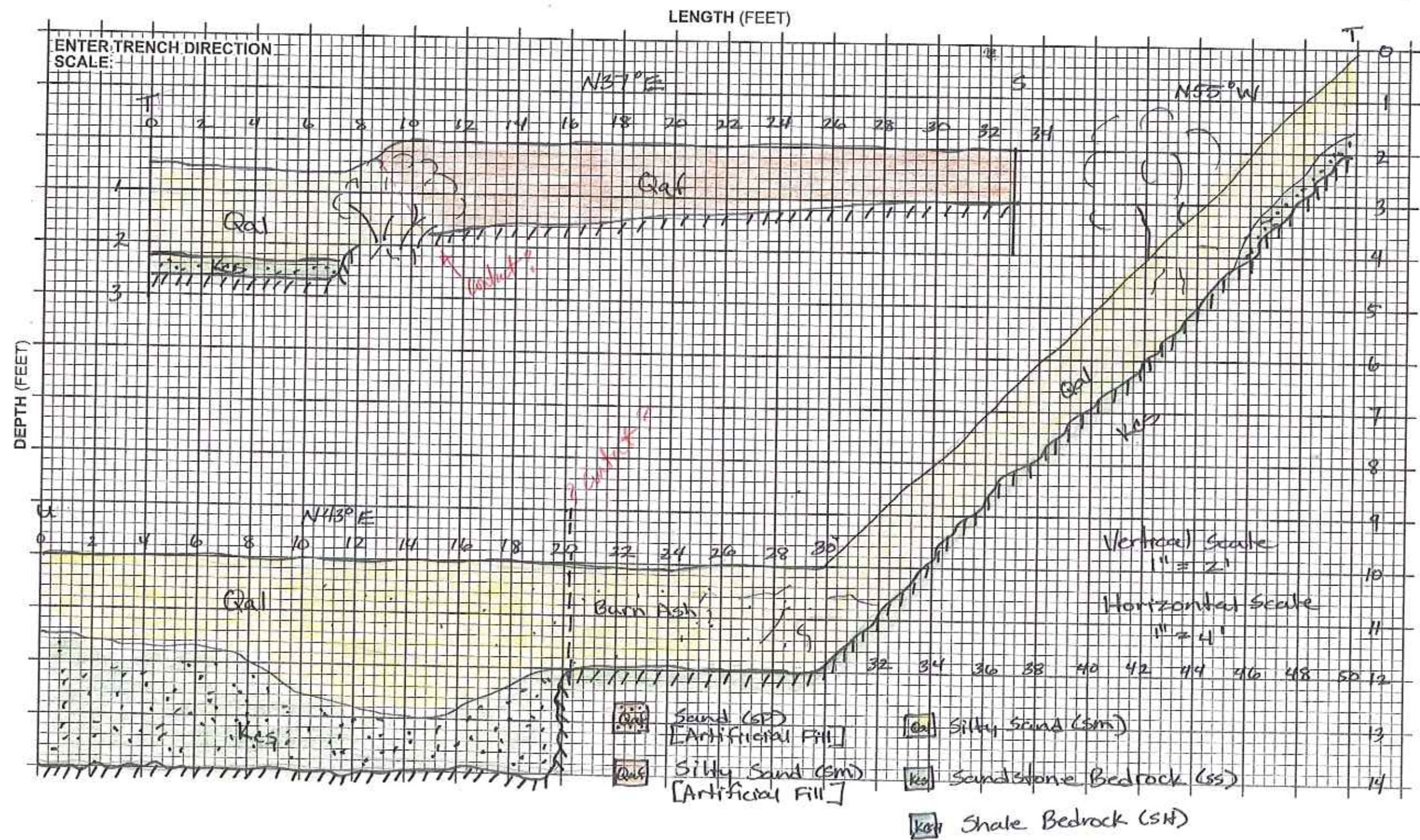
- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
 - - - OTHER CONTACT (AS INDICATED ON LOG)
 - FILL/NATIVE BOUNDARY
 - X ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - G GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - //// SHADING TO DENOTE STAINING
 - //// BASE OF EXCAVATION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

Project Name 2010 ISRA Implementation - NASA Boeing		FIELD TRENCH LOG			
Trench Number BITS0599	Project Number 100082008	Elevation and Datum SURVEYED BY SAGE	Location AP/STP B1-2	Sheet 8 of 16	
Equipment Supplier MPC	Operator DAVID WILMER	Date and Time Started 12/18/10	Date and Time Completed 12/14/10	Refusal? (Circle One) <input checked="" type="radio"/> YES <input type="radio"/> No	If Yes Depth = VARIES
Equipment Type EXCAVATOR, VACUUM TRUCK	Trench Orientation NE-SW	Total Depth VARIES	Total Number of Samples 81	Photo? (Circle One) <input checked="" type="radio"/> YES <input type="radio"/> No	No.
Bucket Width 4 ft.	Trench Length ~80 ft.	Trench Width ~60 ft.	No. of Samples Bulk <input type="checkbox"/> Grab 81	Drive <input type="checkbox"/>	Hand Auger <input type="checkbox"/>
Geologist or Hydrogeologist Data N. Brady 11/18/10 to 12/14/10		Checked by/Date ANDREW RAYNE 3/24/11 R.H. 2165		Wall of Trench Shown (Circle One) N S E W NE NW SE SW	



Plan View-Site Location
(Provide Sketch)

+ +
SEE SHEET 1
+ +



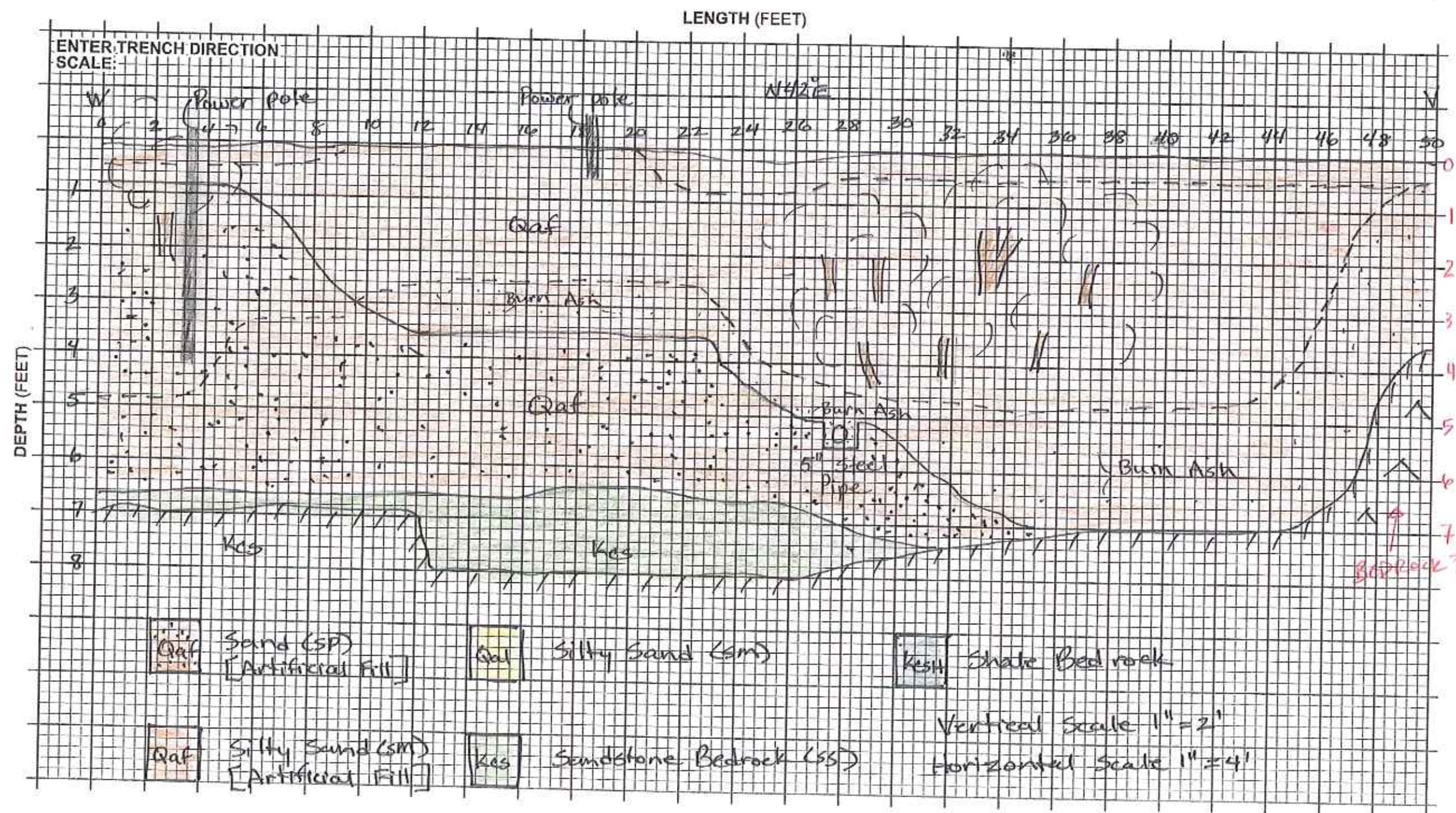
- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
 - OTHER CONTACT (AS INDICATED ON LOG)
 - FILL/NATIVE BOUNDARY
 - X** ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - G** GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - SHADING TO DENOTE STAINING
 - BASE OF EXCAVATION
 - SHOW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

Project Name 2010 ISRA Implementation - NASA Boeing		Elevation and Datum SURVEY BY SAGE		Location AP/STP B1-2		Sheet 10 of 16	
Trench Number BITS0599		Project Number 100082018 AR		Date and Time Started 11/18/10		Date and Time Completed 12/14/10	
Equipment Supplier MPE		Operator DAVID WILMER		Total Depth Varies		Refusal? (Circle One) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Equipment Type EXCAVATOR, VACUUM TRUCK		Trench Orientation NE-SW		Total Number of Samples 81		Photo? (Circle One) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Bucket Width 4 ft.	Trench Length ~80 ft.	Trench Width ~60 ft.	No. of Samples	Bulk Ø	Grab 81	Drive Ø	
Geologist or Hydrogeologist/Date N. Brady 11/18/10 to 12/14/10		Checked by/Date Andrew Payne 3/24/11 RA: 8465		Hand Auger Ø		% Man-Made Debris VARIES	
						Wall of Trench Shown (Circle One) N S E W NE NW SE SW	



Plan View-Site Location
(Provide Sketch)

SEE SHEET 1



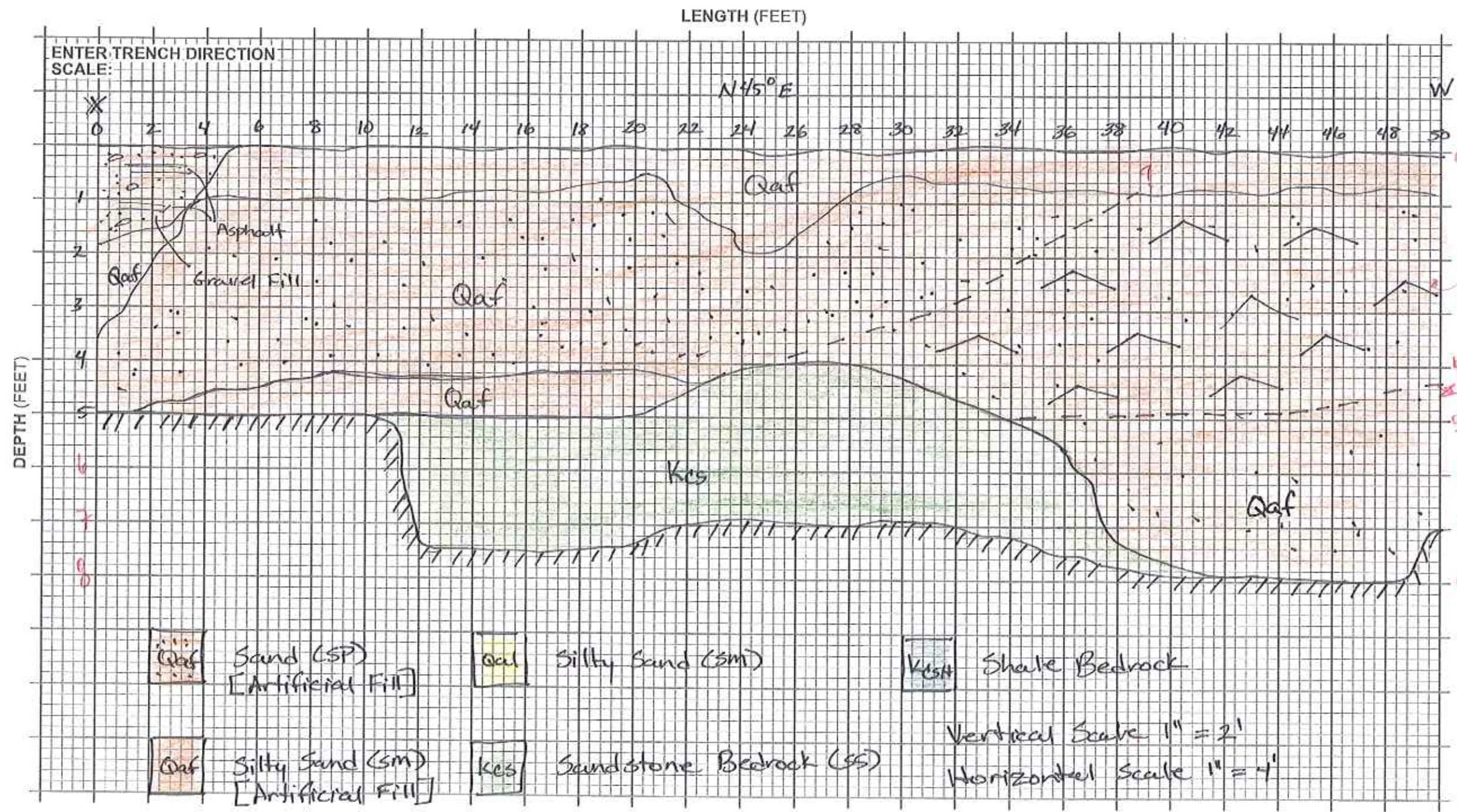
- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
 - - - OTHER CONTACT (AS INDICATED ON LOG)
 - - - - FILL/NATIVE BOUNDARY
 - X ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - G GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - //// SHADING TO DENOTE STAINING
 - ////// BASE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

Project Name 2010 ISRA Implementation - NASA Boeing			FIELD TRENCH LOG		
Trench Number BITS0599	Project Number 1000820/8 AL	Elevation and Datum SURVEYED BY SAGE	Location AP/STP B1-2	Sheet 11 of 16	
Equipment Supplier MPE	Operator DAVID WILMER	Date and Time Started 11/18/10	Date and Time Completed 12/14/10	Refusal? (Circle One) <input checked="" type="radio"/> Yes <input type="radio"/> No	If Yes Depth = VARIES
Equipment Type EXCAVATOR, VACUUM TRUCK	Trench Orientation NE-SW	Total Depth VARIES	Total Number of Samples 81	Photo? (Circle One) <input checked="" type="radio"/> Yes <input type="radio"/> No	No.
Bucket Width 4 ft.	Trench Length ~80 ft.	Trench Width ~60 ft.	No. of Samples	Bulk <input type="checkbox"/>	Grab <input checked="" type="checkbox"/> 81
Geologist or Hydrogeologist Date N. Beatty 11/18/10 to 12/14/10			Checked by/Date ANDREW PAYNE 5/24/11 PL 0765		Wall of Trench Shown (Circle One) N S E W NE NW SE SW



Plan View-Site Location
(Provide Sketch)

SEE SHEET 1



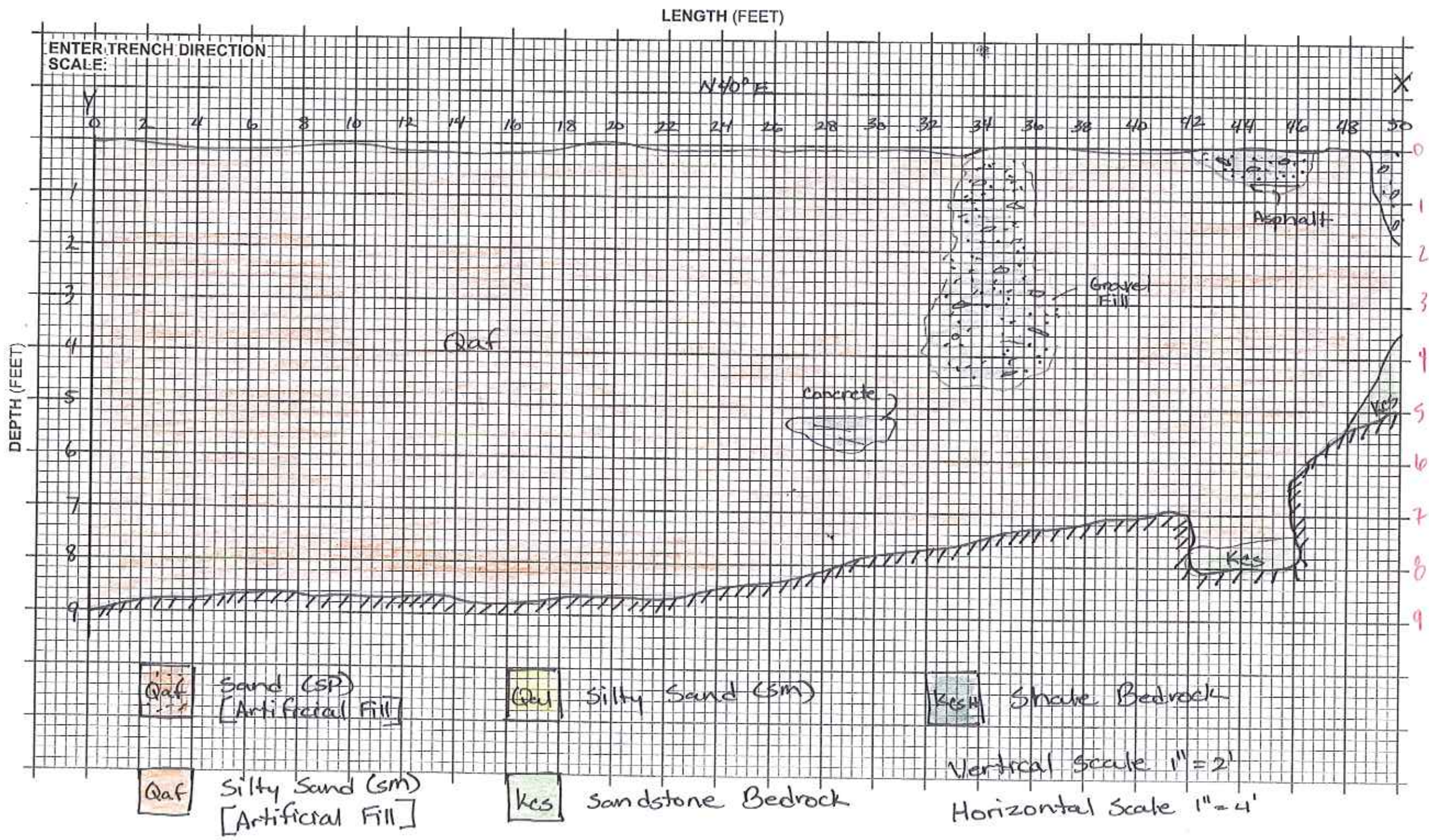
- EXPLANATION
- SOIL TYPE CONTACT (SHARP)
 - - - OTHER CONTACT (AS INDICATED ON LOG)
 - - - FILL/NATIVE BOUNDARY
 - X ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - G GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - ////// SHADING TO DENOTE STAINING
 - ||||| BASE OF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

Project Name 2010 ISRA Implementation - NASA Boeing			FIELD TRENCH LOG		
Trench Number BITS0599	Project Number 10008208 AZ	Elevation and Datum SURVEYED BY SAGE	Location APISTR B1-2	Sheet 12 of 16	
Equipment Supplier MPE	Operator DAVID WILMER	Date and Time Started 11/18/10	Date and Time Completed 12/14/10	Refusal? (Circle One) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes Depth - VARIES
Equipment Type EXCAVATOR, VACUUM TRUCK	Trench Orientation NE-SW	Total Depth Varies	Total Number of Samples 81	Photo? (Circle One) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No.
Bucket Width 4 ft.	Trench Length ~80 ft.	Trench Width ~60 ft.	No. of Samples 81	Drive Ø	Hand Auger Ø
Geologist or Hydrogeologist/Date N. Beatty 11/18/10 to 12/14/10		Checked by/Date ANDREW PAYNE 3/24/11 P.G. 2015		Wall of Trench Shown (Circle One) N S E W NE NW SE SW	



Plan View-Site Location
(Provide Sketch)

SEE SHEET 1



- 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

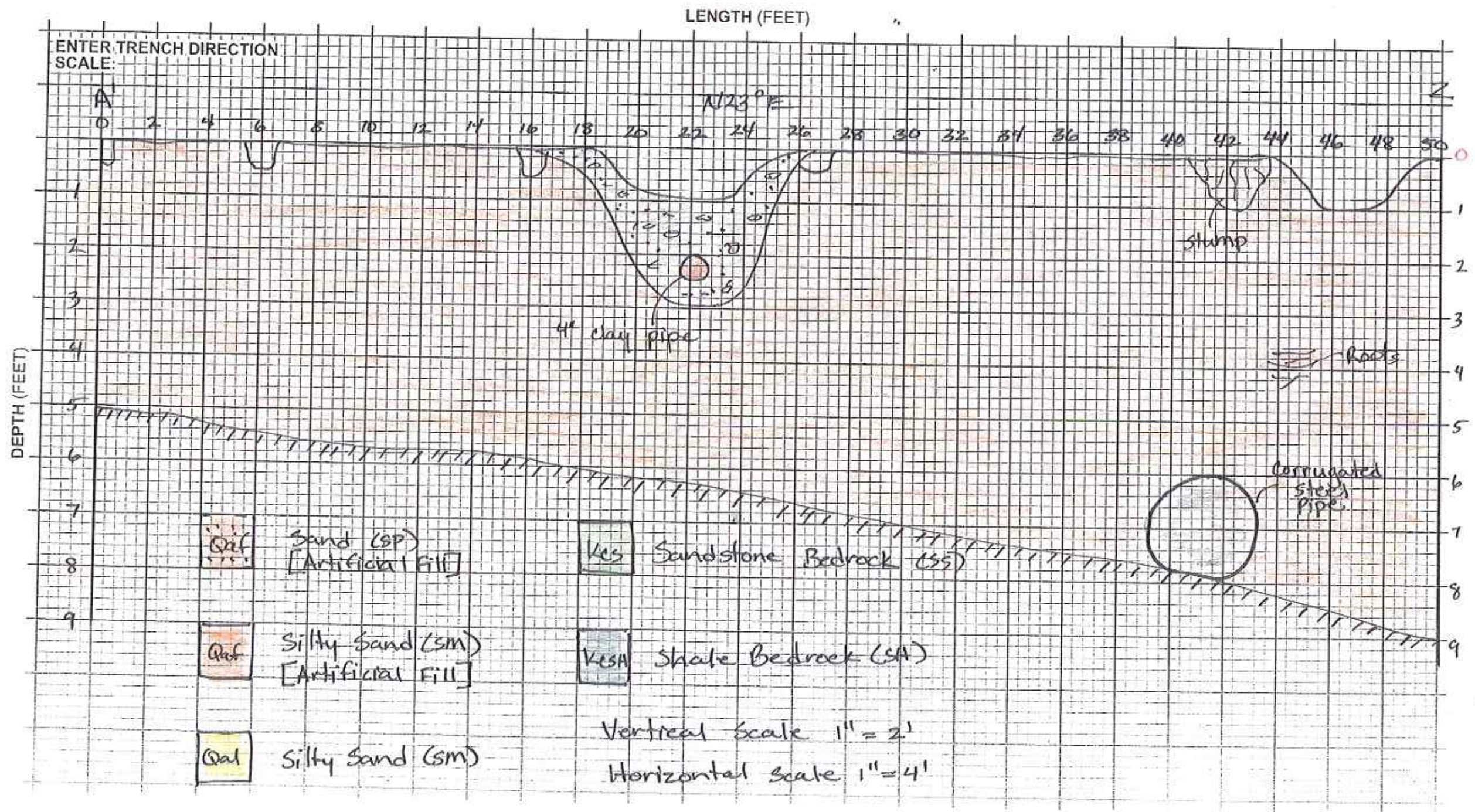
Project Name 2010 ISRA Implementation - NASA Boeing		Elevation and Datum SURVEYED BY SAGE		Location AP/STP B1-2		Sheet 13 of 16	
Trench Number BITS0599		Project Number 1000820/8 A12		Date and Time Started 11/18/10		Date and Time Completed 12/14/10	
Equipment Supplier MPE		Operator DAVID WILMER		Total Depth Varies		Total Number of Samples 81	
Equipment Type EXCAVATOR, VACUUM TRUCK		Trench Orientation NE - SW		No. of Samples Bulk \emptyset Grab B1		Drive \emptyset Hand Auger \emptyset	
Bucket Width 4 ft.		Trench Length ~ 80 ft.		Trench Width ~ 60 ft.		Refusal? (Circle One) <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes Depth = VARIES	
Geologist or Hydrogeologist Date N. Beatty 11/18/10 to 12/14/10		Checked by/Date ANDREW BYRNE 3/24/11 R.G. 8/6/05		Photos? (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			



MWH

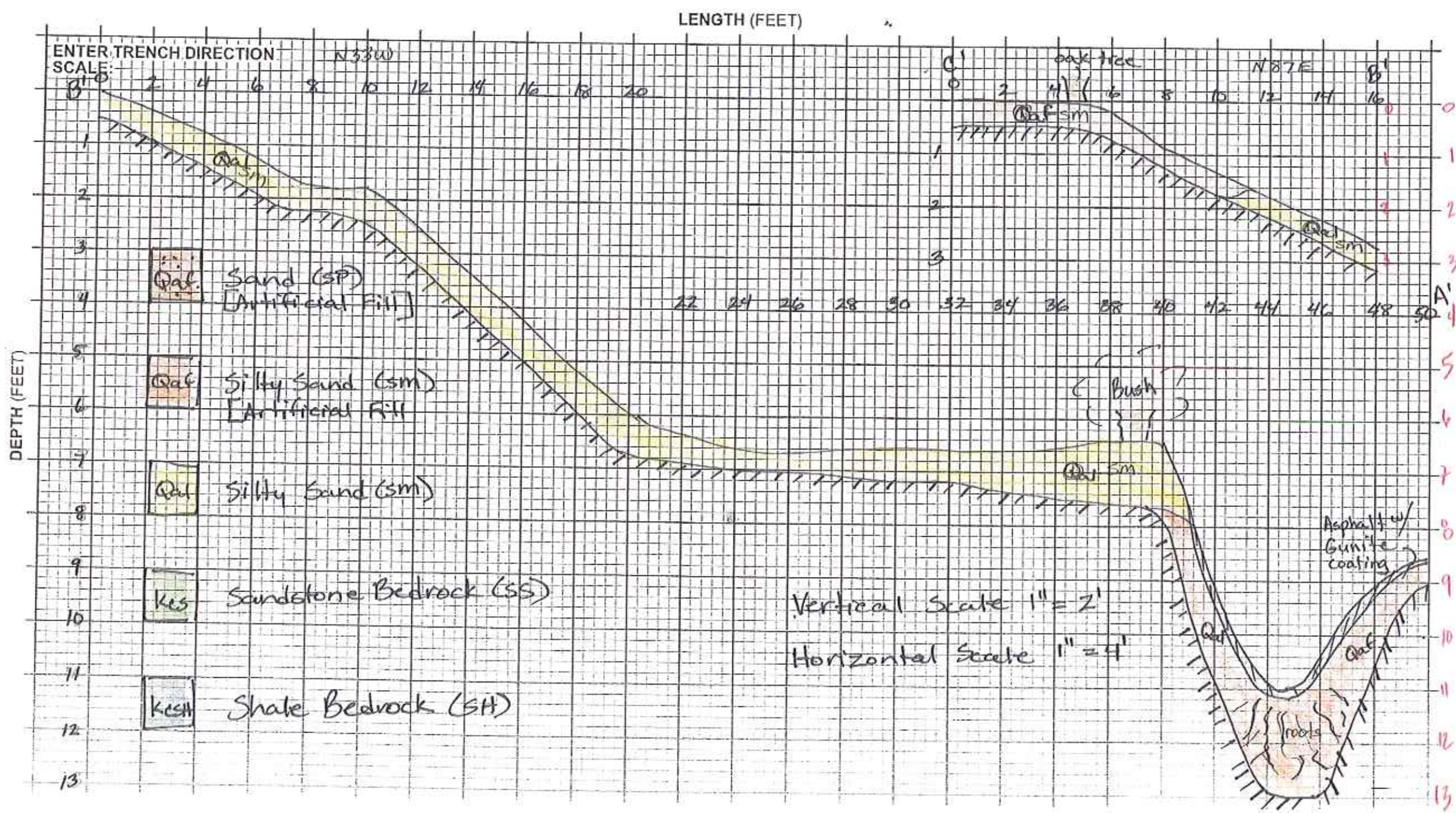
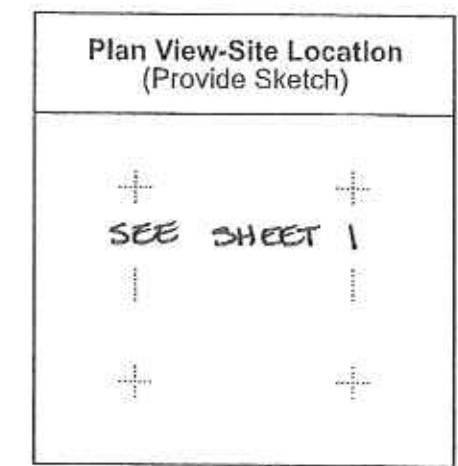
Plan View-Site Location
(Provide Sketch)

SEE SHEET 1



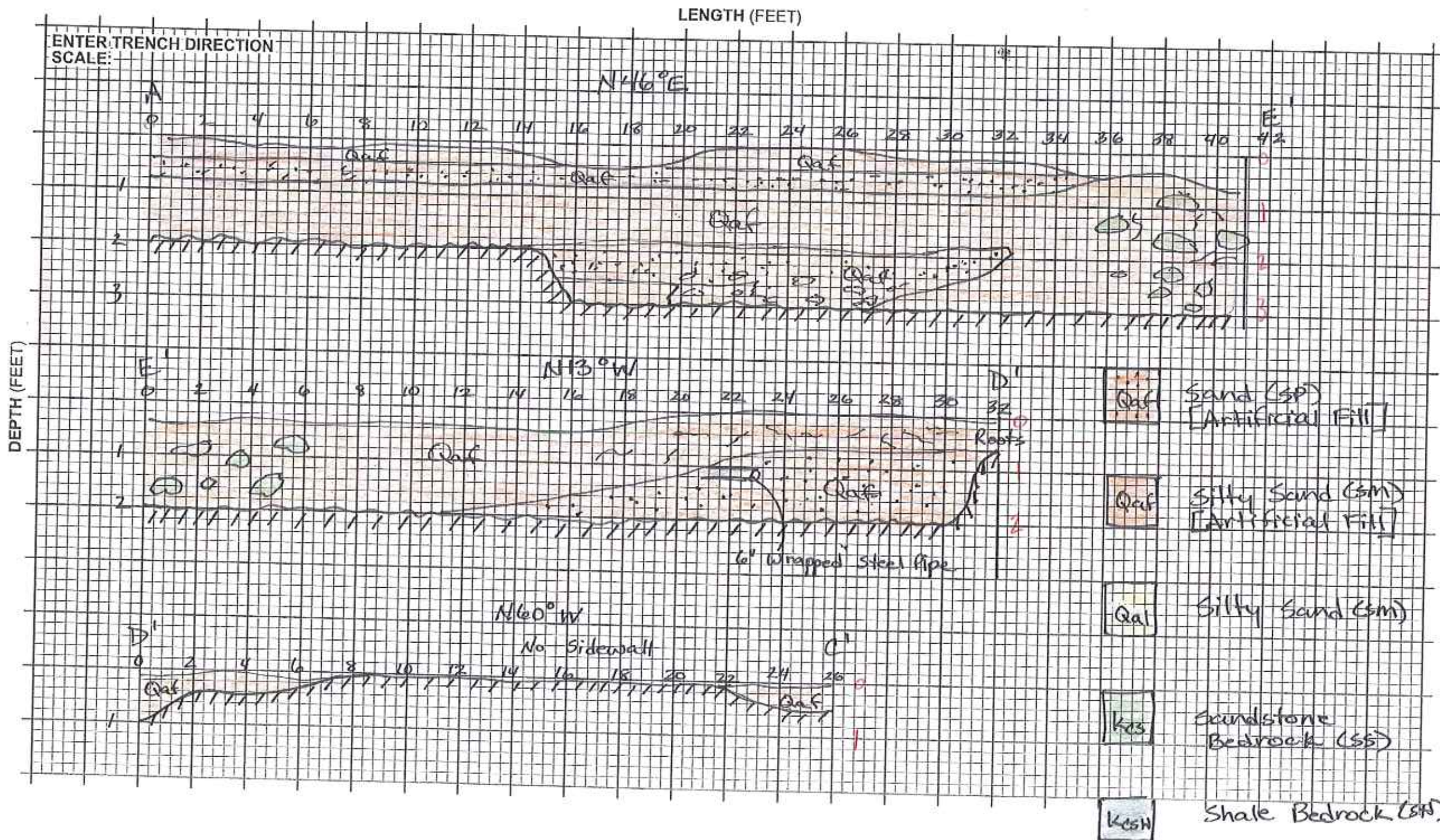
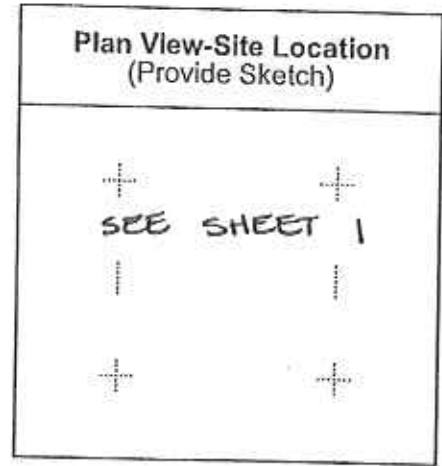
- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
 - - - OTHER CONTACT (AS INDICATED ON LOG)
 - - - FILL/NATIVE BOUNDARY
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 - //// SHADING TO DENOTE STAINING
 - ||||| BASE OF EXCAVATION
 - SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

Project Name: 2010 ISRA Implementation - HACA Boeing		Elevation and Datum: SURVEYED BY SAGE			Location: ARISTP B1-2		Sheet 14 of 16	
Trench Number: BITS0599		Project Number: 100082018 AR		Date and Time Started: 11/18/10		Date and Time Completed: 12/14/10		Refusal? (Circle One) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Equipment Supplier: MPE		Operator: DAVID WILMER		Total Depth: Varies		Total Number of Samples: 81		If Yes Depth = VARIES
Equipment Type: EXCAVATOR, VACUUM TRUCK		Trench Orientation: NE-SW		No. of Samples: Bulk \emptyset Grab 81		Drive: \emptyset Hand Auger: \emptyset		Photo? (Circle One) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Bucket Width: 4 ft. Trench Length: ~80 ft.		Trench Width: ~60 ft.		Checked by/Date: ANDREW PAYNE 3/24/11 RL 8465		Wall of Trench Shown (Circle One) N S E W NE NW SE SW		% Man-Made Debris
Geologist or Hydrogeologist Data: N. Beatty 11/18/10 to 12/14/10								



- 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 Boeing		Project Number 1000820 ^B NE		Elevation and Datum SURVEYED BY SAGE		Location AP/STR B1-2		Sheet 15 of 16	
Trench Number BITS0599		Operator DAVID WILMER		Date and Time Started 11/18/10		Date and Time Completed 12/14/10		Refusal? (Circle One) <input checked="" type="radio"/> No <input type="radio"/> Yes If Yes Depth = VARIES	
Equipment Supplier MPE		Trench Orientation NE-SW		Total Depth Varies		Total Number of Samples 81		Photo? (Circle One) <input checked="" type="radio"/> Yes <input type="radio"/> No	
Equipment Type EXCAVATOR, VACUUM TRUCK		Trench Width ~60 ft.		No. of Samples Bulk \emptyset Grab 81		Drive \emptyset Hand Auger \emptyset		% Man-Made Debris	
Bucket Width 4 ft.		Trench Length ~80 ft.		Checked by/Date ANDREW LAYNE 3/24/11 RA. 2405		Wall of Trench Shown (Circle One) N S E W NE NW SE SW			
Geologist or Hydrogeologist/Date Ni Beatty 11/18/10 to 12/14/10									



- 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
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 - SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS