

APPENDIX E — RESULTS OF TEST BORINGS INTO THE EAST FORK AND
JACKSON MOUNTAIN LANDSLIDES (16 pages on CD-ROM)

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REFERENCES

**SAN JUAN NATIONAL FOREST LANDSLIDE EVALUATION, EAST FORK
ROAD: ERFO 0667 (1)**

Geotechnical Report CO-FE-0667-09-01

By Khamis Y. Haramy; Geotechnical Engineer

February 2009

**Geotechnical Investigation Report: US 160 Jackson Mountain Landslide, Archuleta
County, Colorado**

Project Number 25-146

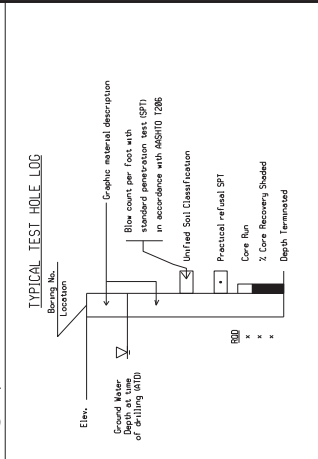
By Yeh and Associates, Inc.

February 2007

REGION	STATE	PROJECT	TOTAL SHEETS
	8	CO ERF0 667 (I)	

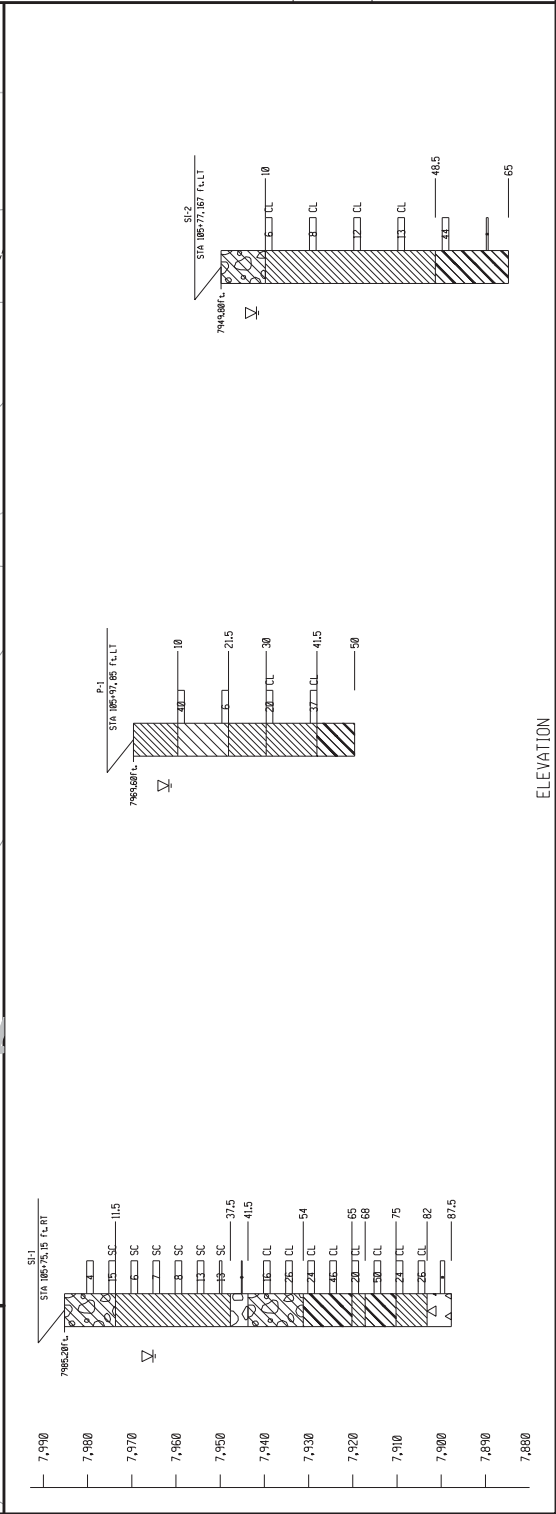
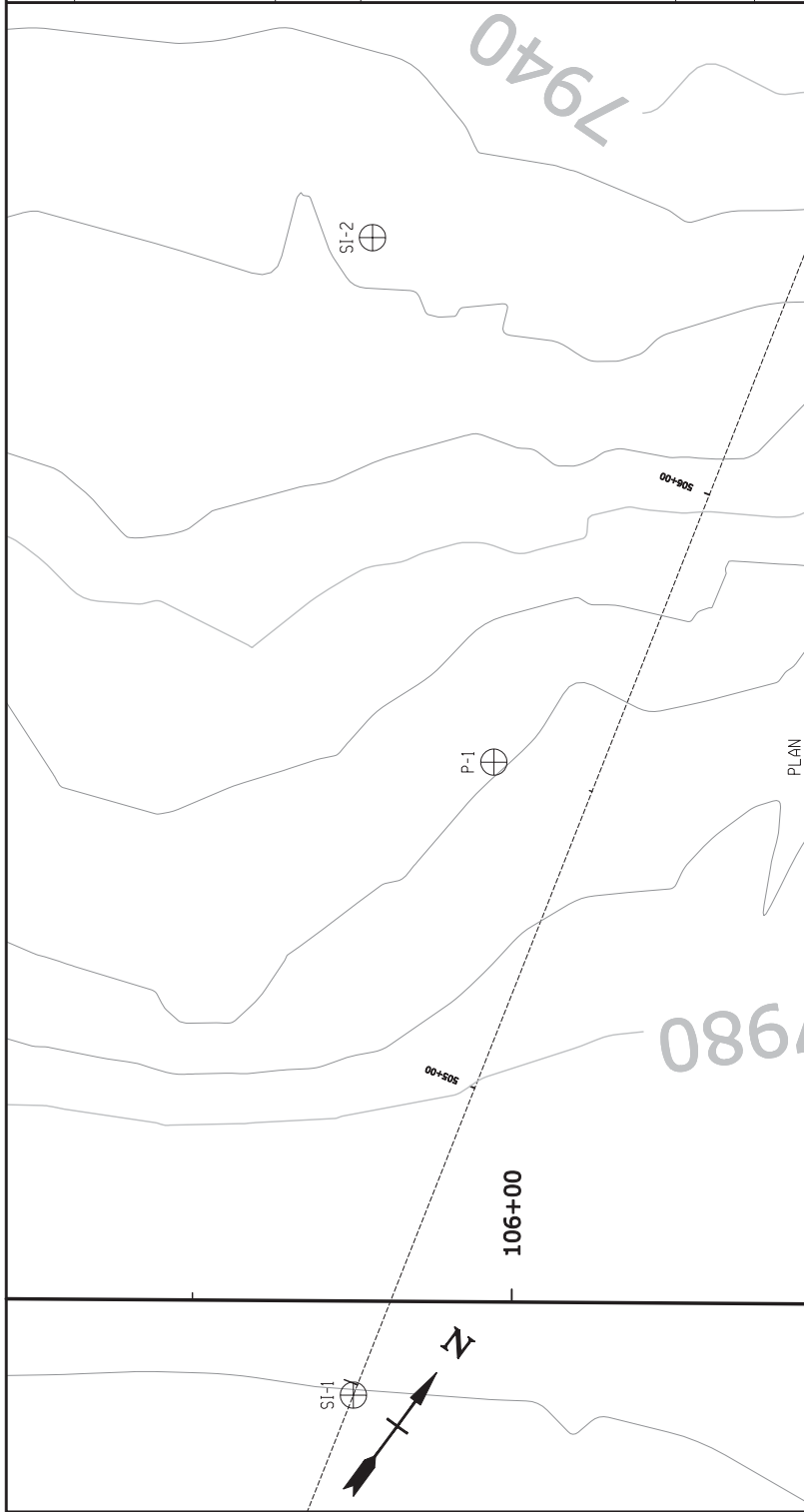
LEGEND	
	rock fragments
	Bricks

TYPICAL TEST HOLE SYMBOL
 Plan View
 Location of any sampled hole



Notes:
 For additional information, refer to Geotechnical Report East Fork San Juan River, September 2008 prepared by U.S. Dept. of Transportation, Federal Highway Administration, Central Federal Lands Highway Division.

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION CENTRAL FEDERAL LANDS HIGHWAY DIVISION, DENVER, COLORADO
SUMMARY OF BORING LOGS East Fork San Juan River San Juan National Forest
DRAWING NO.



APPENDIX E — RESULTS OF TEST BORINGS INTO THE EAST FORK AND JACKSON MOUNTAIN LANDSLIDES (16 pages on CD-ROM)

BORING LOG

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION



Project Name: East Fork San Juan River						Boring No. SI-1	Date: September 2008	Sheet 1 of 3
Boring Location: STA 105+75, 15 ft. RT						Type of Boring: Continuous flight auger		
Coordinates: N 1265041 E 2607658						Casing Used: Hollow Stem Auger	Size: 4" I.D.	
Drill: CME 55 track			Driller: Geo-Search			Boring Began: 9/23/08	Completed: 9/25/08	
Field Logged By: C. Martinez						Ground Elev: 7985.2 ft.	Weather: Sunny	
Revisions/Final By: C. Martinez						Water Depth: 20ft.		
Run/Samp No.	Depth Elevation (feet)	Graphic Log	U.S.C.S.	Length Recov. feet ----- % Rec.	RQD	SPT Blows per 6 in	Date: 9/24/08	
							Time: 8 AM	
							Description: (Density, Color, Type, Moisture, Other)	
AR 1							0.0 - 11.5 ft. Brown gray CLAY and rock fragments, moist. AR 1 Brown gray clay and rock fragments, moist.	
SPT 1	5			0.00 0%		1/2/2	SPT 1 No recovery.	
AR 2							AR 2 Brown gray clay and rock fragments, moist.	
SPT 2	10			SC 0.42 28%		2/3/12	SPT 2 Rec. 0.42 ft. of brown gray clay and rock fragments, moist.	
AR 3							11.5 - 37.5 ft. Brown gray CLAY , moist. AR 3 Brown gray clay, moist.	
SPT 3	15			SC 0.58 39%		2/3/3	SPT 3 Rec. 0.58 ft. of brown gray clay, moist.	
AR 4							AR 4 Brown gray clay, moist.	
SPT 4	20			SC 0.92 61%		2/3/4	SPT 4 Rec. 0.92 ft. of brown gray clay, moist.	
AR 5						AR 5 Brown gray clay, moist.		
SPT 5	25		SC 1.33 89%		3/4/4	SPT 5 Rec. 1.33 ft. of brown gray clay, moist.		
AR 6						AR 6 Brown gray clay, moist.		
SPT 6	30		SC 1.17 78%		4/5/8	SPT 6 Rec. 1.17 ft. of brown gray clay and rock fragments, moist.		
AR 7						AR 7 Brown gray clay, moist.		
SPT 7	35		SC 1.08 180%		4/5/8	SPT 7 Rec. 1.08 ft. of brown gray clay, moist.		
AR 8	40					AR 8 Brown gray clay to 37.5, harder drilling, rock fragment, boulder?, moist. 37.5 - 41.5 ft. ROCK FRAGMENTS		

BORING LOG EASTFORK.GPJ FHWA CO.GDT 1/12/09

APPENDIX E — RESULTS OF TEST BORINGS INTO THE EAST FORK AND JACKSON MOUNTAIN LANDSLIDES (16 pages on CD-ROM)

BORING LOG







U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION



Project Name: East Fork San Juan River				Boring No. SI-1		Date: September 2008	Sheet 2 of 3
Boring Location: STA 105+75, 15 ft. RT				Type of Boring: Continuous flight auger			
Coordinates: N 1265041 E 2607658				Casing Used: Hollow Stem Auger		Size: 4" I.D.	
Drill: CME 55 track		Driller: Geo-Search		Boring Began: 9/23/08		Completed: 9/25/08	
Field Logged By: C. Martinez				Ground Elev: 7985.2 ft.		Weather: Sunny	
Revisions/Final By: C. Martinez				Water Depth: 20ft.			
Run/Samp No.	Depth Elevation (feet)	Graphic Log	U.S.C.S.	Length Recov. feet ----- % Rec.	RQD	SPT Blows per 6 in	Date: 9/24/08
							Time: 8 AM
							Description: (Density, Color, Type, Moisture, Other)
SPT 8	7943.7			0.00 0%		50-2"	SPT 8 No recovery.
AR 9							
SPT 9	45		CL	1.25 83%		3/7/9	SPT 9 Rec. 1.25 ft. of gray clay, moist
AR 10							AR 10 Gray clay, some rock fragments, moist
SPT 10	50		CL	1.33 89%		5/12/14	SPT 10 Rec. 1.33 ft. of gray clay, some gravel size rock fragments, moist
AR 11	7931.2						AR 11 Gray clay, some rock fragments, moist to 54 ft., gray claystone from 54 ft. to 55 ft.
SPT 11	55		CL	1.50 100%		5/11/13	SPT 11 Rec. 1.5 ft. of gray claystone
AR 12							AR 12 Gray claystone
SPT 12	60		CL	1.50 100%		9/20/26	SPT 12 Rec. 1.5 ft. of gray claystone
AR 13							AR 13 Gray claystone
SPT 13	7920.2		CL	1.00 67%		7/9/11	65.0 - 68.0 ft. Brown to gray CLAY SPT 13 Rec. 1 ft. of brown to gray clay, sl. moist
AR 14	7917.2						
SPT 14	70		CL	1.50 100%		14/25/25	SPT 14 Rec. 1.5 ft. of brown claystone
AR 15							AR 15 Brown claystone
SPT 15	7910.2		CL	1.50 100%		6/10/14	75.0 - 82.0 ft. Brown mottled CLAY SPT 15 Rec. 1.5 ft. of brown mottled clay, sl. moist to moist
AR 16							
	80						

BORING LOG EASTFORK.GPJ FHWA_CO.GDT 1/12/09

APPENDIX E — RESULTS OF TEST BORINGS INTO THE EAST FORK AND JACKSON
MOUNTAIN LANDSLIDES (16 pages on CD-ROM)

<h1>BORING LOG</h1>							U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION CENTRAL FEDERAL LANDS HIGHWAY DIVISION			
Project Name: East Fork San Juan River				Boring No. SI-1		Date: September 2008		Sheet 3 of 3		
Boring Location: STA 105+75, 15 ft. RT				Type of Boring: Continuous flight auger						
Coordinates: N 1265041 E 2607658				Casing Used: Hollow Stem Auger			Size: 4" I.D.			
Drill: CME 55 track		Driller: Geo-Search		Boring Began: 9/23/08		Completed: 9/25/08				
Field Logged By: C. Martinez				Ground Elev: 7985.2 ft.		Weather: Sunny				
Revisions/Final By: C. Martinez				Water Depth: 20ft.						
Run/Samp No.	Depth Elevation (feet)	Graphic Log	U.S.C.S.	Length Recov. feet ----- % Rec.	RQD	SPT Blows per 6 in	Date:	9/24/08		
							Time:	8 AM		
							Description: (Density, Color, Type, Moisture, Other)			
SPT 16	7903.2		CL	1.50 100%		8/11/15	SPT 16 Rec. 1.5 ft. of brown mottled clay, sl. moist to moist			
AR 17								AR 17 brown mottled clay, sl. moist to moist to 82 ft., gray breccia from 82 ft. to 85 ft. 82.0 - 87.5 ft. Gray BRECCIA		
SPT 17	85			0.83 83%		20/50	SPT 17 Rec. 0.83 ft. of gray breccia			
AR 18								AR 18 Very hard drilling.		
	7897.7						BHT at 87.5 ft.			
	90									
	95									
	100									
	105									
	110									
	115									
	120									

BORING LOG EASTFORK.GPJ FHWA_CO.GDT 1/12/09

APPENDIX E — RESULTS OF TEST BORINGS INTO THE EAST FORK AND JACKSON MOUNTAIN LANDSLIDES (16 pages on CD-ROM)

BORING LOG






U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION



Project Name: East Fork San Juan River						Boring No. P-1	Date: September 2008	Sheet 1 of 2
Boring Location: STA 105+97, 85 ft. LT						Type of Boring: Continuous flight auger		
Coordinates: N 1265134 E 2607617						Casing Used: Hollow Stem Auger	Size: 4" I.D.	
Drill: CME 55 track			Driller: Geo-Search			Boring Began: 9/27/08	Completed: 9/27/08	
Field Logged By: C. Martinez						Ground Elev: 7969.6 ft.	Weather: PC-AM, showers-PM	
Revisions/Final By: C. Martinez						Water Depth:	8ft.	28ft.
Run/Samp No.	Depth Elevation (feet)	Graphic Log	U.S.C.S.	Length Recov. feet ----- % Rec.	RQD	SPT Blows per 6 in	Date: 9/27/08	10/29/08
							Time: ATD	3 PM
Description: (Density, Color, Type, Moisture, Other)								
AR 1							0.0 - 10.0 ft. Brown CLAY and rock fragments AR 1 Brown slightly sandy clay, gravel to cobbles-size rock fragments, moist.	
AR 2	7959.6			0.83 17%			AR 2 Rec. 0.83 ft. of Brown slightly sandy clay, gravel to cobbles-size rock fragments, moist to wet.	
SPT 1						3/24/16	10.0 - 21.5 ft. Brown gray sandy CLAY SPT 1 Brown gray sandy clay, moist.	
AR 3							AR 3 Brown gray sandy clay, moist.	
AR 4							AR 4 Brown gray sandy clay, moist.	
SPT 2	7948.1			0.50 33%		4/3/3	SPT 2 Rec. 0.5 ft. of brown gray sandy clay, moist.	
AR 5							21.5 - 30.0 ft. Brown gray slightly sandy CLAY AR 5 Brown gray slightly sandy clay, moist.	
AR 6							AR 6 Brown gray slightly sandy clay, moist.	
SPT 3	7939.6		CL	1.17 78%		5/8/12	30.0 - 41.5 ft. Gray CLAY SPT 3 Rec. 1.17 ft. of gray clay, moist.	
AR 7						AR 7 Gray clay, moist.		
AR 8						AR 8 Gray clay, moist.		

BORING LOG EASTFORK.GPJ FHWA_CO.GDT 1/12/09

APPENDIX E — RESULTS OF TEST BORINGS INTO THE EAST FORK AND JACKSON
MOUNTAIN LANDSLIDES (16 pages on CD-ROM)

BORING LOG							U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION CENTRAL FEDERAL LANDS HIGHWAY DIVISION			
Project Name: East Fork San Juan River				Boring No. P-1		Date: September 2008		Sheet 2 of 2		
Boring Location: STA 105+97, 85 ft. LT				Type of Boring: Continuous flight auger						
Coordinates: N 1265134 E 2607617				Casing Used: Hollow Stem Auger			Size: 4" I.D.			
Drill: CME 55 track		Driller: Geo-Search		Boring Began: 9/27/08		Completed: 9/27/08				
Field Logged By: C. Martinez				Ground Elev: 7969.6 ft.		Weather: PC-AM, showers-PM				
Revisions/Final By: C. Martinez				Water Depth: 8ft.		28ft.				
Run/Samp No.	Depth Elevation (feet)	Graphic Log	U.S.C.S.	Length Recov. feet ----- % Rec.	RQD	SPT Blows per 6 in	Date:	9/27/08	10/29/08	
							Time:	ATD	3 PM	
							Description: (Density, Color, Type, Moisture, Other)			
SPT 4	7928.1		CL	1.50 100%		8/15/22	SPT 4 Rec. 1.5 ft. of gray clay, slightly moist.			
AR 9							41.5 - 50.0 ft. Gray CLAYSTONE AR 9 Gray claystone.			
AR 10	45						AR 10 Gray claystone.			
	7919.6						BHT at 50.0 ft.			
	50									
	55									
	60									
	65									
	70									
	75									
	80									

BORING LOG EASTFORK.GPJ FHWA_CO.GDT 1/12/09

APPENDIX E — RESULTS OF TEST BORINGS INTO THE EAST FORK AND JACKSON MOUNTAIN LANDSLIDES (16 pages on CD-ROM)

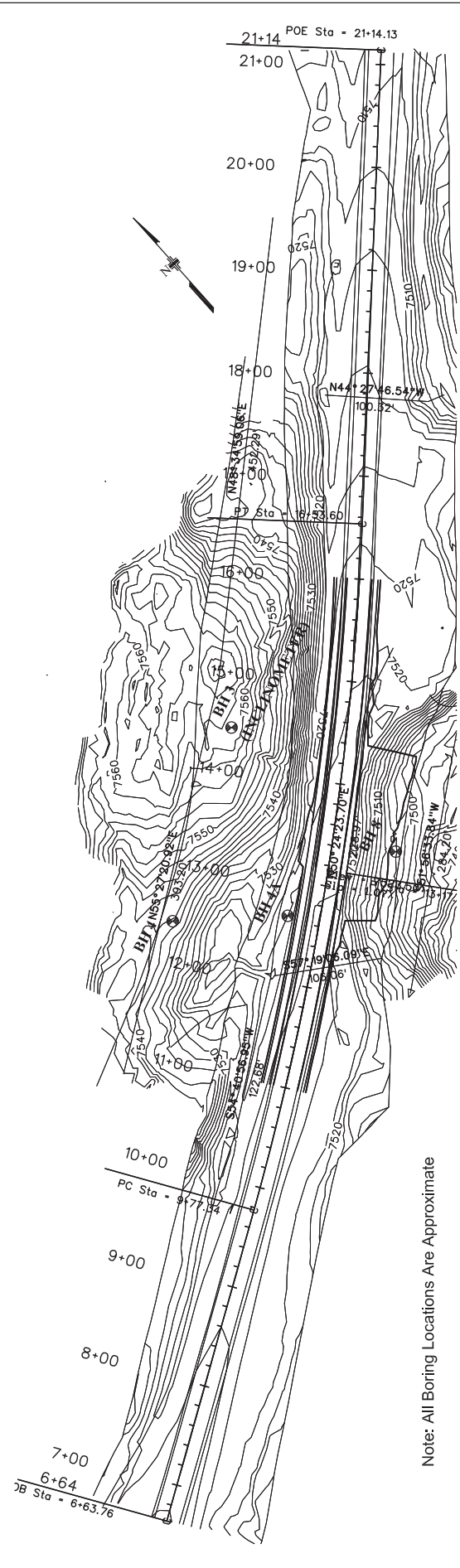
BORING LOG

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

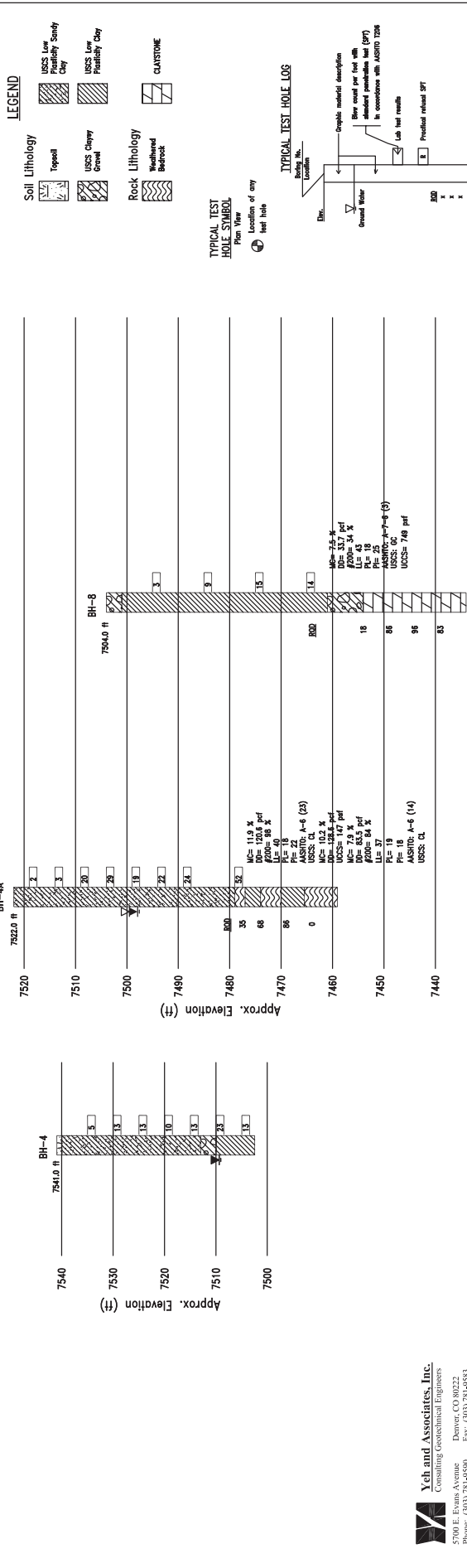


Project Name: East Fork San Juan River				Boring No. SI-2		Date: September 2008		Sheet 1 of 2		
Boring Location: STA 105+77, 167 ft. LT				Type of Boring: Continuous flight auger						
Coordinates: N 1265189 E 2607553				Casing Used: Hollow Stem Auger			Size: 4" I.D.			
Drill: CME 55 track		Driller: Geo-Search		Boring Began: 9/26/08			Completed: 9/26/08			
Field Logged By: C. Martinez				Ground Elev: 7949.8 ft.			Weather: Sunny-AM, cloudy-PM			
Revisions/Final By: C. Martinez				Water Depth: 8ft.						
Run/Samp No.	Depth Elevation (feet)	Graphic Log	U.S.C.S.	Length Recov. feet ----- % Rec.	RQD	SPT Blows per 6 in	Date: 9/26/08			
							Time: ATD			
							Description: (Density, Color, Type, Moisture, Other)			
AR 1							0.0 - 10.0 ft. Brown sandy CLAY and cobble-size rock fragments AR 1 Brown sandy clay and cobble-size rock fragments, moist.			
AR 2	▽						AR 2 Brown sandy clay, gravels and cobble-size rock fragments, moist to wet.			
SPT 1	7939.8			CL	0.67 45%		1/3/3	10.0 - 48.5 ft. Brown gray CLAY , slightly gravelly SPT 1 Rec. 0.67 ft. of brown gray clay, slightly gravelly, moist to wet.		
AR 3								AR 3 Brown gray clay, slightly gravelly, moist to wet.		
AR 4								AR 4 Brown gray to red brown clay, moist to wet.		
SPT 2				CL	1.33 89%		2/2/6	SPT 2 Rec. 1.33 ft. of brown gray clay, slightly gravelly, moist to wet.		
AR 5								AR 5 Brown gray clay, slightly gravelly, moist.		
AR 6								AR 6 Brown gray clay, slightly gravelly, moist.		
SPT 3			CL	1.33 89%		5/5/7	SPT 3 Rec. 1.33 ft. of brown gray clay, slightly gravelly, moist.			
AR 7							AR 7 Brown gray clay, slightly gravelly, moist.			
AR 8							AR 8 Brown gray clay, slightly gravelly, moist.			
	40									

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Note: All Boring Locations Are Approximate



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**JACKSON MOUNTAIN
ENGINEERING GEOLOGY**

Colorado Department of Transportation
3903 North Main Ave.
Suite 200
Durango, CO 81301
Phone: (970) 385-1400 FAX: (970) 385-1410

Region 5
E.J.A.

Computer File Information

Creation Date: 01/15/2004 Initials: Inr
Last Modification Date: 03/22/2006 Initials: mdh
Full Path: ...125-146 Jackson Mountain\Drafting_AutoCad
Drawing File Name: 15339DesignModel101_w_borres
Acad Ver.: 2006 Scale: 1" = 100' Units: English

Sheet Revisions

As Constructed

No Revisions:

Revised:

Void:

Designers: Inr
Detailers: Inr

Project No./Code

Sheet Subsets: Plan Subset Sheets: B-1

Sheet Number

B-1

APPENDIX E — RESULTS OF TEST BORINGS INTO THE EAST FORK AND JACKSON

MOUNTAIN LANDSLIDES (16 pages on CD-ROM)



YEH AND ASSOCIATES, INC.
 GEOTECHNICAL ENGINEERING CONSULTANTS

Project: Jackson Mountain

Project Number: 25-164

Date: 1/10/05

Boring: **BH-4**

Sheet 1 of 2

Boring Began: 9/19/2005
 Drilling Method: HQ3 Wireline
 Drill: CME 55
 Driller: CDOT - Jeff
 Logged By: T. Allen
 Final By: J. Lovekin
 Inclination: Vertical

Completed: 9/19/2005
 Drill Bit:
 Casing:
 Weather:

Total Depth: 38.5 ft
 Ground Elevation:
 Location:
 Coordinates: N: E:

Ground Water Notes:

Depth	▽ 31.6 ft	▽ 31.6 ft	-	-
Date	12/20/05	1/13/06	-	-
Time	-	-	-	-

Elevation (feet)	Depth (feet)	Run / Sample Type	Recovery (%)	Rock		Soil Samples		Lithology	Material Description	Field Notes and Lab Tests
				RQD		SPT Blows per 6 in	N			
									0.0 - 1.0 ft. TOPSOIL.	
	5								1.0 - 28.0 ft. sandy CLAY with gravel and occasional cobbles, gray, damp to moist, medium stiff to stiff.	
		X	47			3/3/2	5			
	10									
		X	67			2/4/9	13			
	15									
		X	0			2/5/8	13			
	20									
		X	100			4/5/5	10			organic layers in sample
	25									
		X	0			3/6/7	13			
	30								28.0 - 31.0 ft. clayey GRAVEL with cobbles and occasional boulders, brown, medium dense.	volcanic rock in sample
		X	67			5/14/9	23		31.0 - 38.5 ft. CLAY with weathered bedrock fragments, gray to brown, stiff to very stiff.	

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APPENDIX E — RESULTS OF TEST BORINGS INTO THE EAST FORK AND JACKSON

MOUNTAIN LANDSLIDES (16 pages on CD-ROM)



YEH AND ASSOCIATES, INC.
 GEOTECHNICAL ENGINEERING CONSULTANTS

Project: Jackson Mountain

Project Number: 25-164

Date: 1/10/05

Boring: **BH-4**

Sheet 2 of 2

Elevation (feet)	Depth (feet)	Run / Sample Type	Recovery (%)	Rock	Soil Samples		Lithology	Material Description	Field Notes and Lab Tests
				RQD	SPT Blows per 6 in	N			
		X	67		1/6/7	13	[Hatched Box]		
	40							Bottom of Hole at 38.5 ft.	
	45								
	50								
	55								
	60								
	65								
	70								
	75								

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APPENDIX E — RESULTS OF TEST BORINGS INTO THE EAST FORK AND JACKSON

MOUNTAIN LANDSLIDES (16 pages on CD-ROM)



YEH AND ASSOCIATES, INC.
GEOTECHNICAL ENGINEERING CONSULTANTS

Project: Jackson Mountain

Boring: **BH-4a**

Project Number: 25-164

Date: 1/10/05

Sheet 1 of 2

Boring Began: 9/21/2005
Drilling Method: HQ3 Wireline
Drill: CME 55
Driller: CDOT - Jeff
Logged By: T. Allen
Final By: J. Lovekin
Inclination: Vertical

Completed: 9/21/2005
Drill Bit:
Casing:
Weather:

Total Depth: 63.0 ft
Ground Elevation:
Location:
Coordinates: N: E:

Ground Water Notes:

Depth	▽ 22.5 ft	▽ 24.1 ft	-	-
Date	12/20/05	1/13/06	-	-
Time	-	-	-	-

Elevation (feet)	Depth (feet)	Run / Sample Type	Recovery (%)	Rock		Soil Samples		Lithology	Material Description	Field Notes and Lab Tests
				RQD		SPT Blows per 6 in	N			
									0.0 - 43.0 ft. sandy CLAY with bedrock fragments, brown to gray, damp to moist, very soft to hard, gravelly in upper 4 feet, (landslide debris).	
	5	X	33			1/1/1	2			
	10	X	67			1/1/2	3			
	15	X	100			6/9/11	20			
	20	X	100			11/13/16	29			
	25	X	100			5/8/11	19			
	30	X	67			6/9/13	22			
		X	67			7/11/13	24			

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APPENDIX E — RESULTS OF TEST BORINGS INTO THE EAST FORK AND JACKSON

MOUNTAIN LANDSLIDES (16 pages on CD-ROM)



YEH AND ASSOCIATES, INC.
GEOTECHNICAL ENGINEERING CONSULTANTS

Project: Jackson Mountain

Project Number: 25-164

Date: 1/10/05

Boring: **BH-4a**

Sheet 2 of 2

Elevation (feet)	Depth (feet)	Run / Sample Type	Recovery (%)	Rock	Soil Samples		Lithology	Material Description	Field Notes and Lab Tests
				RQD	SPT Blows per 6 in	N			
	40								Volcanic fragments observed.
									Volcanic fragments caught in drive.
									Hard lense.
	45	X	100		6/19/33	52		43.0 - 45.0 ft. weathered CLAYSTONE.	
			71	36				45.0 - 48.0 ft. CLAY, dark brown, damp to wet.	MC= 11.9 % DD= 120.6 pcf #200= 98 % LL= 40 PL= 18 PI= 22 AASHTO: A-6 (23) USCS: CL
	50		90	68				48.0 - 52.0 ft. weathered CLAYSTONE with interbedded finegrained intrusive phenocrystic volcanics.	
								52.0 - 56.5 ft. CLAY, dark brown, damp to wet.	
	55		100	87					
								56.5 - 63.0 ft. weathered CLAYSTONE with interbedded finegrained intrusive phenocrystic volcanics.	MC= 10.2 % DD= 128.6 pcf UCCS= 147 psi MC= 7.9 % DD= 83.5 pcf #200= 84 % LL= 37 PL= 19 PI= 18 AASHTO: A-6 (14) USCS: CL
	60		100	0					
								Bottom of Hole at 63.0 ft.	
	65								
	70								
	75								

BORING LOG GINT.GPJ YEH ASSOCIATES.GDT 2/10/06

APPENDIX E — RESULTS OF TEST BORINGS INTO THE EAST FORK AND JACKSON

MOUNTAIN LANDSLIDES (16 pages on CD-ROM)



YEH AND ASSOCIATES, INC.
 GEOTECHNICAL ENGINEERING CONSULTANTS

Project: Jackson Mountain

Boring: **BH-8**

Project Number: 25-164

Date: 1/10/05

Sheet 1 of 2

Boring Began: 8/23/2005

Completed: 8/23/2005

Total Depth: 70.0 ft

Drilling Method: Hollow-Stem Auger

Drill Bit:

Ground Elevation:

Drill: CME 55

Casing:

Location:

Driller: CDOT - Jeff

Weather:

Coordinates: N: E:

Logged By: R. Andrew

Ground Water Notes:

Final By: J. Lovekin

Inclination: Vertical

Depth	-	-	-	-
Date	-	-	-	-
Time	-	-	-	-

Elevation (feet)	Depth (feet)	Run / Sample Type	Recovery (%)	Rock	Soil Samples		Lithology	Material Description	Field Notes and Lab Tests
				RQD	SPT Blows per 6 in	N			
								0.0 - 3.0 ft. clayey GRAVEL with cobbles and boulders.	
	5							3.0 - 43.0 ft. CLAY , gray, moist to wet, soft, with sandstone lenses.	
	10	X	100		1/1/2	3			
	15								
	20	X	100		1/2/7	9			
	25								
	30	X	100		1/5/10	15			some silt encountered at 29 feet

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APPENDIX E — RESULTS OF TEST BORINGS INTO THE EAST FORK AND JACKSON

MOUNTAIN LANDSLIDES (16 pages on CD-ROM)



YEH AND ASSOCIATES, INC.
GEOTECHNICAL ENGINEERING CONSULTANTS

Project: Jackson Mountain

Project Number: 25-164

Date: 1/10/05

Boring: **BH-8**

Sheet 2 of 2

Elevation (feet)	Depth (feet)	Run / Sample Type	Recovery (%)	Rock	Soil Samples		Lithology	Material Description	Field Notes and Lab Tests
				RQD	SPT Blows per 6 in	N			
	40		100		5/8/6	14			
	45		100	0				43.0 - 50.0 ft. clayey GRAVEL with cobbles and boulders.	MC= 7.5 % DD= 33.7 pcf #200= 34 % LL= 43 PL= 18 PI= 25 AASHTO: A-7-6 (3) USCS: GC rounded igneous rock encountered at 45 feet UCCS= 749 psi
	50		60	18				50.0 - 70.0 ft. CLAYSTONE with interbedded finegrained intrusive phenocrystic volcanics, very soft to soft.	
	55		100	18					
	60		100	87				possible slip planes at 55 and 60 feet	
	65		100	96				clay seam encountered at 61.8'	
	70		100	83					
	75							Bottom of Hole at 70.0 ft.	

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