

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP1
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 9 feet
Location: Colorado School of Mines		Start: 1/3/03 at 0930
Logged By: SMC/DWM/JAT		Finish: 1/3/03 at 1120
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 18Lx8-12Wx3-9D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400358.664, E480397.404 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
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	0.00	1.00	-1.00		Tan/brown sand mixed with some clay/silt - similar to stockpile material - disturbed material			GR @ 1 ft BT = 963
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	1.00	4.00	-5.00		Same as above			GR @ 5 ft BT = 993
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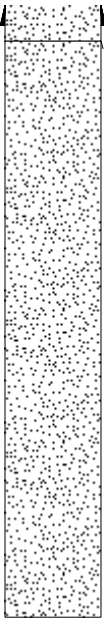
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	5.00	1.00	-6.00		Same as above			Gr @ 6 ft BT = 843 Asbestos tile partially covered concrete floor at this level - additional GR made on floor and wall GR included 1039, 1194, 1100 No elevated GRs noted.
	6.00	3.00	-9.00		Same as above but encountering actual clay subsoil			GR @ 9 ft BT = 761 (south) GR @ 9 ft BT = 843 (north) No samples collected because the intent of this test pit was to determine extent of Bldg 103 subfloor.

9.00 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP2
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 9 feet
Location: Colorado School of Mines		Start: 1/3/03 at 1125
Logged By: SMC/DWM/JAT		Finish: 1/3/03 at 1135
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 5Lx5Wx2-3D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400361.237, E480390.063 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
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	0.00	2.50	-2.50		Tan/brown sand mixed with some clay and silt - material similiar to stockpile - disturbed material			GR measured on 3 sites of asbestos tile covered concrete floor. GR included 1022, 1063, 1106. No indication of elevated readings. No samples collected because purpose of this test pit was to establish the extend of the Bldg 103 subfloor.
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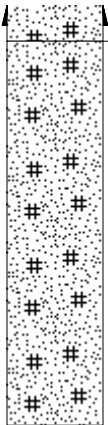
Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	5.00	1.00	-6.00		Same as above			Gr @ 6 ft BT = 843 Asbestos tile partially covered concrete floor at this level - additional GR made on floor and wall GR included 1039, 1194, 1100 No elevated GRs noted.
	6.00	3.00	-9.00		Same as above but encountering actual clay subsoil			GR @ 9 ft BT = 761 (south) GR @ 9 ft BT = 843 (north) No samples collected because the intent of this test pit was to determine extent of Bldg 103 subfloor.

9.00 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP3
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 8 feet
Location: Colorado School of Mines		Start: 1/3/03 at 1141
Logged By: SMC/DWM/JAT		Finish: 1/3/03 at 1300
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 14Lx5Wx8D + 10Lx4Wx6D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400366.196, E480382.763 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
# # # # # # # #	0.00	1.00	-1.00		Tan/brown sandy clay - some of the stockpile material at the upper horizon			GR @ 1 ft = 899 (north) GR @ 1 ft = 1293 (south) This test pit became two pits on either side of a concrete manhole. Equipment unable to remove manhole.
# # # # # # # # # # # # # #	1.00	2.00	-3.00		Same as above			GR @ 3 ft BT = 1293 (north) GR @ 3 ft BT = 915 (south) GR @ 3 ft BT = 1103 (east)
# # # # # # # # # # # # # #	3.00	2.00	-5.00		Same as above			GR @ 5 ft BT = 1034 (north)
# # # # # #	5.00	1.00	-6.00		Same as above			GR @ 6 ft BT = 1058 (south)

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
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6.00 2.00 -8.00

Same as above with additional reddish sand

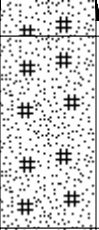
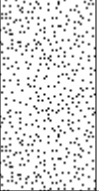
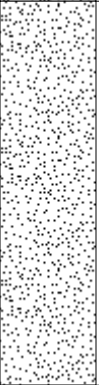
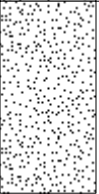
CP3-8

GR @ 8 ft BT = 1172 (north)
 Sample collected @ 1240
 Pit abandoned at this level because of equipment limitations. Very uniform clay layer.

8.00 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP4
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 11 feet
Location: Colorado School of Mines		Start: 1/3/03 at 1400
Logged By: SMC/DWM/JAT		Finish: 1/3/03 at 1520
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 20Lx4Wx11D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400380.364, E480392.825 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
# # # # # # # #	0.00	1.00	-1.00		Brown clay with some sand			GR @ 1 ft BT = 1019
# # # #	1.00	0.50	-1.50		Same as above			GR @ 1.5 ft SW = 964
# # # # # # # # # # # #	1.50	1.50	-3.00		Same as above	CP4-3	grab sample from bucket	GR @ 3 ft BT = 1019 GR @ 3 ft SW = 909 Sample collected @ 1420
# # # # # # # #	3.00	1.00	-4.00		Same as above			GR @ 4 ft SW = 1114
# # # # # # # # # #	4.00	1.50	-5.50		Same as above			GR @ 5.5 ft BT = 1046
# #	5.50	0.50	-6.00		Same as above			GR @ 6 ft SW = 1057

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	6.00	1.00	-7.00		Same as above			
	7.00	1.00	-8.00		Reddish sand with some clay			GR @ 8 ft SW = 1389
	8.00	2.00	-10.00		Same as above	CP4-10	grab sample from bucket	GR @ 10 ft BT = 1810 GR @ 10 ft SW = 1815 Sample collected @ 1450
	10.00	1.00	-11.00		Orange/tan sand	CP4-11	grab sample from bucket	GR @ 11 ft BT = 2078 Sample collected @ 1500

11.00 feet T.D.

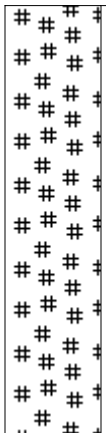
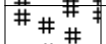
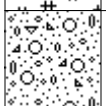
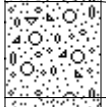
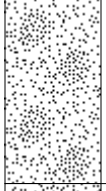

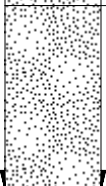
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Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 10 feet
Location: Colorado School of Mines		Start: 1/3/03 at 0930
Logged By: SMC/DWM/JT		Finish: 1/3/03 at 1040
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 12Lx3.5Wx10D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400382.254, E480384.134 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

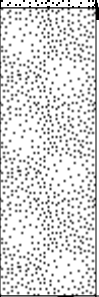
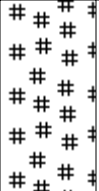

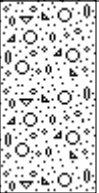
Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
#	0.00	1.00	-1.00		Blackish clayey sand - some silt - mixed with 'burnt' wood, etc. - odor of burned material			GR @ 1 ft BT = 871
#	1.00	1.00	-2.00		Same as above			GR @ 2 ft SW = 912
# # # #	2.00	1.00	-3.00		Tan/orange clay			
# # # #	3.00	0.50	-3.50		Same as above			GR @ 3.5 ft SW = 912
# # # #	3.50	0.50	-4.00		Same as above			GR @ 4 ft BT = 975
# # # #	4.00	1.00	-5.00		Same as above			GR @ 5 ft SW = 1058
#	5.00	1.00	-6.00		Red/pink clayey sand			GR @ 6 ft SW = 1253

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	6.00	0.50	-6.50		Same as above	CP5-6.5	grab sample from bucket	GR @ 6.5 ft BT = 967 Sample collected @ 1540
	6.50	1.50	-8.00		Transition to orange/tan clayey sand			GR @ 8 ft SW = 1434
	8.00	2.00	-10.00		Orange/tan sand			GR @ 10 ft BT = 1882 GR @ 10 ft SW = 2003

10.00 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP6
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 10 feet
Location: Colorado School of Mines		Start: 1/6/03 at 0835
Logged By: SMC/DWM/JAT		Finish: 1/6/03 at 0955
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 15Lx4.5Wx10D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400400.753, E480402.852 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

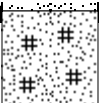


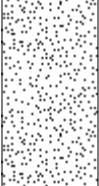

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	0.00	2.25	-2.25		Brown/tan color with misc debris (brick pieces, concrete, etc.)			GR @ 1 ft (bottom) = 1129; GR @ 1 ft (sidewall) = 1016 GR near clay pipe (2 to 3 inch depth) = 1714; Clay pipe pieces GR = 900 to 1000
	2.25	0.25	-2.50		Black stained clay			GR at stain = 947
	2.50	0.50	-3.00		Tan/gray sandy shale - appeared imported			GR @ 3 ft (bottom) = 1015
	3.00	0.50	-3.50		Same as above			GR @ 3.5 ft (sidewall) = 1021
	3.50	1.00	-4.50		Reddish sand with some silt and clay			
	4.50	0.50	-5.00		Same as above			GR @ 5ft SW = 1027
	5.00	1.00	-6.00		Same as above			GR @ 6 ft BT = 1054 Clay drain pipe @ 6 ft; GR at pipe = 1173

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	6.00	1.50	-7.50		Same as above			GR @ 7.5 ft SW = 1390
	7.50	1.00	-8.50		Tan/brown clay			GR @ 8.5 ft BT = 2272
	8.50	0.50	-9.00		Orange/tan sand			
	9.00	1.00	-10.00		Pinkish/tan sand with smooth/flat cobbles	CP6-10	grab sample from bucket	Material from alluvial system GR @ 10 ft (bottom) = 1981 Sample collected at 0944

10.00 feet T.D.

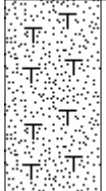
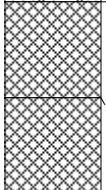
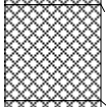

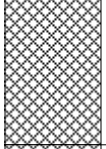
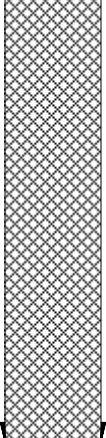
Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP7
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 9.5 feet
Location: Colorado School of Mines		Start: 1/6/2003 at 1000
Logged By: SMC/DWM/JAT		Finish: 1/6/03 at 1055
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 14Lx3.5Wx9.5D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400406.782, E480390.805 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

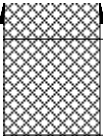
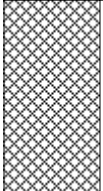
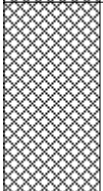
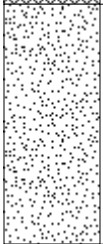

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	0.00	0.25	-0.25		Tan/brown sandy/silty clay mix			
	0.25	0.75	-1.00		Gray rounded gravel mixed with gray/tan sand	CP7-1	grab sample from bucket	Imported fill material: 3 to 4 ft diameter concrete vault at center of pit - excavated both sides GR @ 1 ft BT = 2119 GR @ 1 ft (east SW) = 1606 GR @ 1 ft (west SW) = 1846
	1.00	0.50	-1.50		Same as above			GR @ 1.5 ft SW = 1817
	1.50	1.00	-2.50		Same as above			
	2.50	0.25	-2.75		Reddish sandy clay layer - approx. 3 to 4 inches thick			
	2.75	0.25	-3.00		Sandy clay black layer - approx. 3 to 4 inches thick			Appears to be burned material GR @ 3 ft SW = 1742 (at black stain)
	3.00	0.50	-3.50		Same as above			GR @ 3.5 ft BT= 1897
	3.50	0.50	-4.00		Reddish sandy clay continues			
	4.00	0.50	-4.50		Same as above			GR @ 4.5 ft SW = 1660
	4.50	1.50	-6.00		Same as above			GR @ 6 ft SW = 1496

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	6.00	0.50	-6.50		Same as above			GR @ 6.5 ft BT = 1451
	6.50	1.00	-7.50		Tan, high quality clay			
	7.50	0.50	-8.00		Orange/tan sand			GR @ 8 ft SW = 1523
	8.00	1.00	-9.00		Same as above			GR @ 9 ft SW = 1589
	9.00	0.50	-9.50		Pinkish/tan sand with large flat cobbles			Material of alluvial origin GR @ 9.5 ft BT = 1868

9.50 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP8
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 10 feet
Location: Colorado School of Mines		Start: 1/6/03 at 1100
Logged By: SMC/DWM/JAT		Finish: 1/6/03 at 1240
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 13Lx6.5Wx10D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400398.279, E480372.643 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket



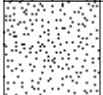
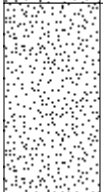
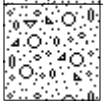
Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	0.00	1.00	-1.00		Brown/black loamy soil mixed with loess			
	1.00	0.50	-1.50		Rubble/debris mixed with sand and clay			Miscellaneous rubble - primarily broken bricks with concrete, wood, miscellaneous building demolition debris GR @ 1.5 ft BT = 1138 Metal pipe @ 1.5 ft with GR = 1132
	1.50	0.50	-2.00		Same as above			GR @ 2 ft SW = 1112 Black burn layer (dipping to north) @ 1.75 to 2.25 ft
	2.00	0.50	-2.50		Same as above			Clay pipe @ 2.5 ft with GR = 1627
	2.50	1.00	-3.50		Same as above	CP8-3.5	grab sample from bucket	GR @ 3.5 ft BT = 1000
	3.50	2.50	-6.00		Same as above			GR @ 6 ft BT = 1160

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	6.00	0.50	-6.50		Same as above			GR @ 6.5 ft SW = 1088
	6.50	1.00	-7.50		Same as above			GR @ 7.5 ft SW = 1700
	7.50	1.00	-8.50		Same as above			
	8.50	1.25	-9.75		Reddish/tan sand with some silt			GR @ 9.75 ft SW = 1899
	9.75	0.25	-10.00		Same as above			GR @ 10 ft BT = 1844

10.00 feet T.D.

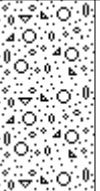
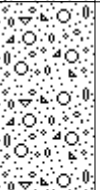
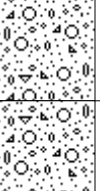
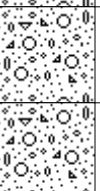
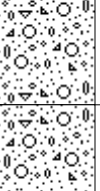

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP9
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 10 feet
Location: Colorado School of Mines		Start: 1/6/03 at 1320
Logged By: SMC/DWM/JAT		Finish: 1/6/03 at 1405
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 11Lx3Wx10D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400371.077, E480356.709 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

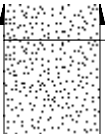
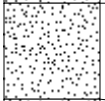
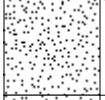
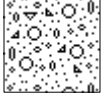
Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
#####	0.00	1.00	-1.00		Tan/brown high quality clay			Very uniform bed of high quality clay GR @ 1 ft BT = 864
#####	1.00	1.00	-2.00		Same as above			GR @ 2 ft SW = 914
#####	2.00	1.00	-3.00		Same as above	CP9-3	grab sample from bucket	GR @ 3 ft BT = 928 Sample collected @ 1330
#####	3.00	1.00	-4.00		Same as above			
#####	4.00	1.00	-5.00		Reddish/tan sand with some silt and clay			GR @ 5 ft SW = 1151
#####	5.00	1.00	-6.00		Same as above	CP9-6	grab sample from bucket	GR @ 6 ft BT = 1328

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	6.00	1.00	-7.00		Same as above			GR @ 7 ft SW = 1538
	7.00	1.00	-8.00		Same as above			
	8.00	0.50	-8.50		Orange/tan sand			GR @ 8.5 ft SW = 2008
	8.50	1.00	-9.50		Same as above			
	9.50	0.50	-10.00		Pinkish/tan sand with flat cobbles			Material of alluvial origin GR @ 10 ft BT = 1791 GR @ 10 ft SW = 2192

10.00 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP10
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 8 feet
Location: Colorado School of Mines		Start: 1/6/03 at 1410
Logged By: SMC/DWM/JAT		Finish: 1/6/03 at 1455
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 13.5Lx4.5Wx8D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400394.774, E480337.754 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	0.00	1.00	-1.00		Course gray/tan sand mixed with rounded quartz cobbles			Imported fill material GR @ 1 ft BT = 1930 GR @ 1 ft SW = 1945 GR @ 1 ft SW east end = 2054 GR @ 1 ft SW west end = 1744
	1.00	1.50	-2.50		Same as above			GR @ 2.5 ft BT = 1834
	2.50	0.50	-3.00		Same as above	CP10-3		GR @ 3 ft SW = 1850 Sample collected @ 1415
	3.00	0.50	-3.50		Same as above			GR @ 3.5 ft BT = 1816
	3.50	1.00	-4.50		Same as above			GR @ 4.5 ft SW = 1702
	4.50	1.00	-5.50		Same as above			
	5.50	0.50	-6.00		Reddish/tan sand			GR @ 6 ft SW = 1859

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	6.00	0.50	-6.50		Same as above			GR @ 6.5 ft BT = 2316
	6.50	0.50	-7.00		Same as above			
	7.00	0.50	-7.50		Orange/tan sand			
	7.50	0.50	-8.00		Pinkish/tan sand mixed with flat cobbles			Material of alluvial origin GR @ 8 ft BT = 2226 GR @ 8 ft SW = 2015 Cobbles prevented continuation of test pit

8.00 feet T.D.

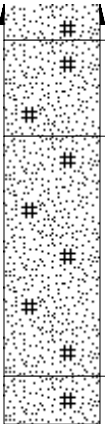
Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP11
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 5 feet
Location: Colorado School of Mines		Start: 1/6/03 at 1500
Logged By: SMC/DWM/JAT		Finish: 1/6/03 at 1525
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 10Lx4Wx5D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400362.204, E480365.243 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	0.00	0.50	-0.50		Brown/black loamy soil			GR @ 0.5 ft SW = 1775 Pipe @ 0.5 ft: GR = 972
	0.50	0.25	-0.75		Same as above			GR @ 0.75 ft SW = 1925
	0.75	0.25	-1.00		Same as above	CP11-1	grab sample from bucket	GR @ 1 ft SW = 2026 GR @ 1 ft BT = 876 Sample collected @ 1510 Duplicate sample (CP11-1 DUP) collected @ 1511 Duplicate sample [CP11-1 (DUP)] collected @ 1511
	1.00	0.50	-1.50		Tan/brown clay - dense, brittle material - low moisture content			Minimal moisture in clay GR @ 1.5 ft SW = 1136
	1.50	1.50	-3.00		Same as above			GR @ 3 ft BT = 1029
	3.00	0.50	-3.50		Same as above			GR @ 3.5 ft SW = 933
	3.50	1.00	-4.50		Same as above			
	4.50	0.50	-5.00		Reddish sand with clay and silt			GR @ 5 ft BT = 1100 GR @ 5 ft SW = 1128 Abandoned pit at 5 ft - material too dense for equipment

5.00 feet T.D.

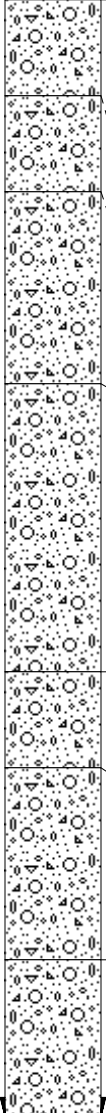
Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP12
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 8 feet
Location: Colorado School of Mines		Start: 1/6/03 at 1530
Logged By: SMC/DWM/JAT		Finish: 1/7/03 at 0925
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 10Lx4Wx8D + 8Lx8Wx4D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400361.304, E480372.66 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

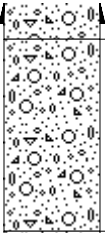
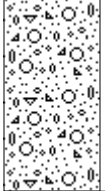
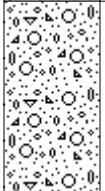
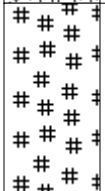
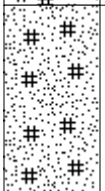
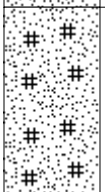
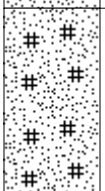
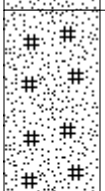
Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
T T T T T T T T T T T T	0.00	1.50	-1.50		Black/brown loamy soil mixed with gray/tan loess			GR @ 1.5 ft BT = 900
# # # #	1.50	0.25	-1.75		Black layer of clay			GR @ 1.75 ft SW = 989
# #	1.75	1.75	-3.50		Brown/tan brittle, dense clay			Low moisture in clay - numerous macropores Clay pipeline @ 3.5 ft with GR = 826 GR @ 3.5 ft BT = 969
# # # # # # # # # # # #	3.50	0.50	-4.00		Same as above			GR @ 4 ft SW = 904
# # # # # # # # # # # # # # # # # # # #	4.00	1.00	-5.00		Same as above			
# # # # # # # #	5.00	0.50	-5.50		Orange/brown sand with clay and silt			GR @ 5.5 ft SW = 1122
# # # #	5.50	0.50	-6.00		Same as above	CP12-6	grab sample from bucket	GR @ 6 ft BT = 1089

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	6.00	0.50	-6.50		Same as above			GR @ 6.5 ft SW = 1107
	6.50	1.25	-7.75		Same as above			GR @ 7.75 ft SW = 1118
	7.75	0.25	-8.00		Same as above			GR @ 8 ft BT = 1166 Pit abandoned at this depth because of equipment limitations

8.00 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP13
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 9 feet
Location: Colorado School of Mines		Start: 1/7/03 at 0930
Logged By: SMC/DWM/JAT		Finish: 1/7/03 at 1105
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 22Lx4Wx8D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400359.423, E480375.312 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

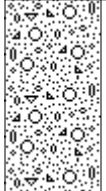
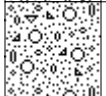
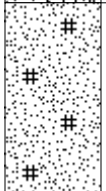
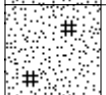
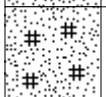
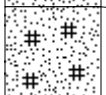
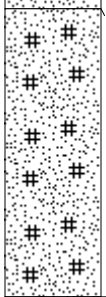

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	0.00	0.25	-0.25		Tan sand and cobbles - east end of pit			West end of pit was roadbed material under main road - miscellaneous bricks, clay, sand, etc. GR @ 0.25 ft SW (west end) = 1691 East end of pit located between storm drain manhole and submerged steel drum.
	0.25	0.25	-0.50		Same as above - east end			GR @ 0.5 ft SW (west end) = 1873
	0.50	0.50	-1.00		Same as above - east end			GR @ 1 ft BT (west end) = 1459
	1.00	0.75	-1.75		Same as above - east end			GR @ 1.75 ft SW (west end) = 1683 Roadbed material transitions to brown clay at this level.
	1.75	0.25	-2.00		Same as above - east end Brown clay - west end			GR @ 2 ft BT (east end) = 2413
	2.00	0.50	-2.50		Same as above - east end Brown clay - west end			GR @ 2.5 ft SW (east end) = 1620
	2.50	0.50	-3.00		Same as above - east end Brown clay - west end	CP13-3	grab sample from bucket	Sample collected @ 1100

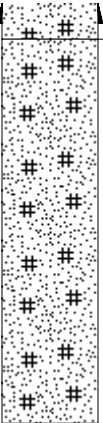
Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	3.00	0.50	-3.50		Same as above - east end Brown clay - west end			GR @ 3.5 ft BT (east end) = 1240 GR @ 3.5 ft SW (west end) = 1204
	3.50	0.50	-4.00		Same as above - east end Brown clay - west end			Metal pipes at this level GR beside pipes (4 ft, east end) = 1521 SW
	4.00	0.50	-4.50		Same as above - east end Brown clay - west end			GR @ 4.5 ft SW (east end) = 1262 Clay stormwater drain pipe located at this level on east end GR in center of broken pipe = 1464
	4.50	0.50	-5.00		Brown clay			Same clay lense on both sides of pit
	5.00	0.50	-5.50		Reddish sandy clay			GR @ 5.5 ft SW (west end) = 1299 Same clay on both sides of pit
	5.50	0.50	-6.00		Same as above			GR @ 6 ft BT (east end) = 1592 GR @ 6 ft SW (east end) = 1645
	6.00	0.50	-6.50		Same as above			GR @ 6.5 ft SW (west end) = 1685
	6.50	1.00	-7.50		Same as above			GR @ 7.5 ft SW (east end) = 1885

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	7.50	0.50	-8.00		Same as above			GR @ 8 ft BT (west end) = 1953 GR @ 8 ft SW (west end) = 2071
	8.00	1.00	-9.00		Orange/tan clayey sand	CP13-9	grab sample from bucket	GR @ 9 ft BT (east end) = 2108 GR @ 9 ft SW (east end) = 2255 Same collected @ 1025

9.00 feet T.D.

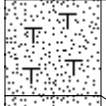

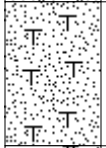
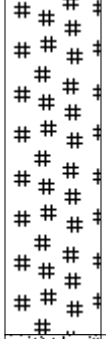
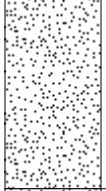
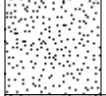
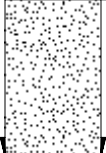
Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP14
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 8 feet
Location: Colorado School of Mines		Start: 1/7/03 at 1110
Logged By: SMC/DWM/JAT		Finish: 1/7/03 at 1245
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 13Lx7-12Wx5-8D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400346.772, E480349.344 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	0.00	1.00	-1.00		Landscaping gravel mixed with brown/tan sand, silt, and soil			GR @ 1 ft BT = 1302
	1.00	0.50	-1.50		Same as above			GR @ 1.5 ft SW = 949
	1.50	1.00	-2.50		Gray sand mixed with silt and clay			GR @ 2.5 ft SW = 1586
	2.50	0.50	-3.00		Same as above			GR @ 3 ft SW = 909
	3.00	0.50	-3.50		Tan sandy clay	CP14-3.5	grab sample from bucket	GR @ 3.5 ft BT = 1682 GR @ 3.5 ft SW = 971 Sample collected @ 1115
	3.50	0.50	-4.00		Same as above			GR @ 4 ft SW = 881 Encountered two steel water pipes at this level (4 to 6 inch pipes). Attempted to remove pipe but equipment not heavy enough. GR at pipes = 1060
	4.00	1.50	-5.50		Same as above			GR @ 5.5 ft SW = 1065
	5.50	0.50	-6.00		Same as above			GR @ 6 ft BT = 974

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	6.00	2.00	-8.00		Same as above	CP14-8	grab sample from bucket	GR @ 8 ft BT = 1092 GR @ 8 ft SW = 1131 Sample collected @ 1405 Pit abandoned at this level due to restrictions caused by water pipes.

8.00 feet T.D.

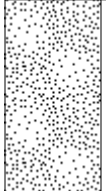
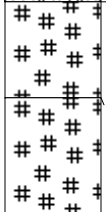
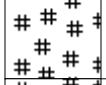
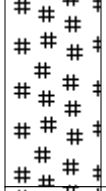
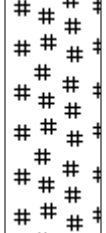
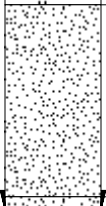
Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP15
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 9.5 feet
Location: Colorado School of Mines		Start: 1/7/03 at 1415
Logged By: SMC/DWM/JAT		Finish: 1/7/03 at 1445
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 11Lx3Wx9.5D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Trench coordinates: N4400348.751, E480334.334 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	0.00	0.50	-0.50		Light brown topsoil with mixture of sand and clay			Pipe located at this level GR @ pipe = 639
	0.50	0.50	-1.00		Same as above			GR @ 1 ft BT = 835
	1.00	0.75	-1.75		Same as above			GR @ 1.75 ft SW = 964
	1.75	1.75	-3.50		Brown clay - high quality clay			GR @ 3.5 ft BT = 1039 GR @ 3.5 ft SW = 1145
	3.50	1.00	-4.50		Reddish sand			
	4.50	0.50	-5.00		Same as above			GR @ 5 ft SW =1408
	5.00	1.50	-6.50		Same as above			GR @ 6.5 ft SW = 1867

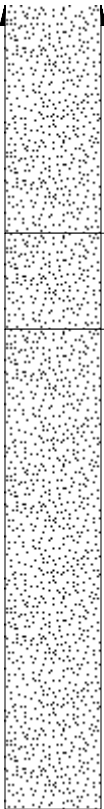
Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	6.50	0.50	-7.00		Same as above			GR @ 7 ft SW = 1840
	7.00	0.50	-7.50		Same as above			
	7.50	1.00	-8.50		Orange/tan sand	CP15-8.5	grab sample from bucket	Sample collected @ 1445 Duplicate (CP15-8.5 DUP) collected @ 1446
	8.50	1.00	-9.50		Same as above			GR @ 9.5 ft BT = 1566 (north end) GR @ 9.5 ft BT = 1635 (south end) GR @ 9.5 ft SW = 1572

9.50 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP16
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 10 feet
Location: Colorado School of Mines		Start: 1/7/03 at 1450
Logged By: SMC/DWM/JAT		Finish: 1/7/03 at 1540
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 10Lx4Wx10-13D (hillside)
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400342.758, E480329.857 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	0.00	1.00	-1.00		Tan/brown sandy silt with a little clay			GR @ 1 ft BT = 1169
	1.00	0.50	-1.50		Brown clay that appeared 'fractured'	CP16-1.5	grab sample from bucket	'French drain' pipe at this level. Small gravel around pipe and a white stain underlying the pipe. GR at drain pipe level = 1037 GR on white stain = 1282 GR on pipe = 1000 Sample collected @ 1500
	1.50	1.00	-2.50		Same as above			GR @ 2.5 ft SW = 1069
	2.50	1.00	-3.50		Brown/tan clay			GR @ 5.75 ft SW = 1551
	3.50	1.25	-4.75		Same as above			GR @ 4.75 ft SW = 1217
	4.75	1.00	-5.75		Reddish/orange sand			GR @ 5.75 ft SW = 1551

LITHOLOGY DATA PRINTED ON NEXT PAGE

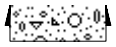
Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	5.75	1.25	-7.00		Same as above	CP16-7	grab sample from bucket	GR @ 7 ft BT = 1741 Sample collected @ 1515
	7.00	0.50	-7.50		Same as above			GR @ 7.5 ft SW = 1742
	7.50	2.50	-10.00		Same as above			GR @ 10 ft BT = 1448 GR @ 10 ft SW = 1545

10.00 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP17
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 6 feet
Location: Colorado School of Mines		Start: 1/7/03 at 1545
Logged By: SMC/DWM/JAT		Finish: 1/7/03 at 1650
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 13Lx3Wx6D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400363.654, E480318.442 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
### ### ### ###	0.00	0.50	-0.50		Brown/tan clay			
.....	0.50	0.50	-1.00		Reddish sand - some clay			GR @ 1 ft BT = 1200
.....	1.00	0.25	-1.25		Same as above			GR @ 1.25 ft SW = 1261
.....	1.25	1.25	-2.50		Same as above			
.....	2.50	0.50	-3.00		Orange/tan sand			GR @ 3 ft SW = 1692
.....	3.00	0.50	-3.50		Same as above			GR @ 3.5 ft BT = 1820
.....	3.50	1.00	-4.50		Pink/reddish sand mixed with large flat cobbles			GR @ 4.5 ft SW = 1913
.....	4.50	0.50	-5.00		Same as above	CP17-5	grab sample from bucket	GR @ 5 ft SW = 1886 Sample collected @ 1620
.....	5.00	1.00	-6.00		Same as above			GR @ 6 ft BT = 1721 GR @ 6 ft SW = 1944 Pit abandoned because of equipment limitations

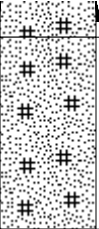
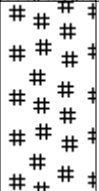
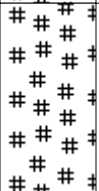
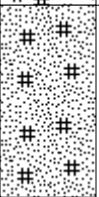
Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
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6.00 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP18
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 10 feet
Location: Colorado School of Mines		Start: 1/8/03 at 0910
Logged By: SMC/DWM/JAT		Finish: 1/8/03 at 0955
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 9Lx4Wx10D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400335.810, E480319.642 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
# # # # # # # #	0.00	1.00	-1.00		Red/brown sandy/silty clay mixed with bricks and miscellaneous building debris	CP18-1	grab sample from bucket	GR @ 1 ft BT = 1570 Sample collected @ 0910
# # # # # # # #	1.00	1.00	-2.00		Same as above			GR @ 2 ft SW = 921
# # # # # # # #	2.00	1.00	-3.00		Gray silty clay			GR @ 3 ft BT = 903
# # # # # # # #	3.00	1.00	-4.00		Same as above			GR @ 4 ft SW = 841
# # # # # # # # # # # # # #	4.00	2.00	-6.00		Same as above			GR @ 6 ft BT = 864

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	6.00	1.00	-7.00		Same as above			GR @ 7 ft SW = 919
	7.00	1.00	-8.00		Olive/tan clay, mottled rust color, sticky clay			GR @ 8 ft Bt = 931
	8.00	1.00	-9.00		Same as above	CP18-9	grab sample from bucket	GR @ 9 ft SW = 1318
	9.00	1.00	-10.00		Reddish silty/sandy clay			GR @ 10 ft BT = 1330

10.00 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP19
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 10 feet
Location: Colorado School of Mines		Start: 1/8/03 at 1000
Logged By: SMC/DWM/JAT		Finish: 1/8/03 at 1145
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 11Lx4Wx10D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400330.501, E480316.379 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	0.00	0.50	-0.50		Red/brown silty/sandy clay mixed with concrete and miscellaneous debris, and trace gravel			GR @ 0.5 ft SW = 5119 Surface GR approximately 15,000
	0.50	0.50	-1.00		Same as above	CP19-1	grab sample from bucket	GR @ 1 ft BT = 9031 Sample collected @ 1012
	1.00	1.00	-2.00		Same as above with orange streaks			GR @ 2 ft BT = 12021 GR @ 2 ft SW = 1749
	2.00	1.00	-3.00		Olive/tan clay			GR @ 3 ft BT = 1177
	3.00	1.00	-4.00		Same as above			GR @ 4 ft SW = 1125
	4.00	2.00	-6.00		Same as above - some sand			GR @ 6 ft BT = 1065

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks		
	6.00	1.00	-7.00		Same as above			GR @ 7 ft SW = 1064		
		7.00	2.00	-9.00		Same as above			GR @ 9 ft SW = 1252	
			9.00	1.00	-10.00		Same as above - beginning of red/brown sandy clay			GR @ 10 ft BT = 1054

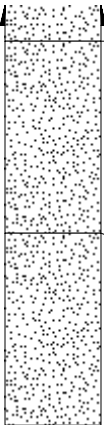
10.00 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP20
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 8 feet
Location: Colorado School of Mines		Start: 1/8/03 at 1150
Logged By: SMC/DWM/JAT		Finish: 1/8/03 at 1400
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 21-27Lx12-14Wx6-8D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N480307.609, E4400394.260 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample hand collected grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
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[Stippled pattern]	0.00	4.00	-4.00		Tan/reddish sand - poorly sorted			GR @ 4 ft BT = 949 Obvious fill material - later discovered this area was excavated as part of the settling pond cleanup.
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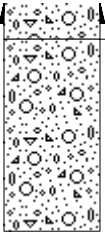
[Stippled pattern]	4.00	2.00	-6.00		Same as above			GR @ 6 ft BT = 1202 Pipe encountered at this level
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Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	6.00	1.00	-7.00		Same as above	CP20-7	grab sample from bucket	GR @ 7 ft BT = 1416 Empty, crushed plastic barrel (blue) encountered on north end of pit. GR below barrel = 1430 Sample collected directly below barrel @ 1430
	7.00	1.00	-8.00		Same as above except within concrete 'ring' - ring contained clay	CP20-8	grab sample hand collected	GR @ 8 ft BT = 1358 Collected clay sample inside of 'ring' @ 1530 Later discovered clay was added to sump area (ring) to seal opening

8.00 feet T.D.

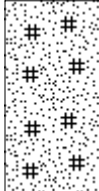

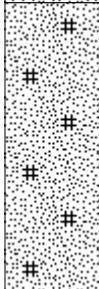
Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP21
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 7 feet
Location: Colorado School of Mines		Start: 1/9/03 at 0930
Logged By: SMC/DWM/JAT		Finish: 1/9/03 at 1025
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 6Lx5Wx5D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400358.145, E480290.270 UTM, Zone 13 North, WGS 1984		Sampling Methods: specific layer grab sample grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	0.00	0.75	-0.75		Reddish sand with clay			
	0.75	0.25	-1.00		Yellow/gold silty material	CP21-1	specific layer grab sample	GR @ 1 ft BT = 7467 GR @ 1 ft SW = 3735 Sample collected @ 0940 Second sample collected from clay lense at same level: CP21-1A (clay) @ 0942
	1.00	0.25	-1.25		Same as above			
	1.25	0.25	-1.50		Yellow silty material mixed in areas with crushed gray rock	CP21-1.5	specific layer grab sample	GR @ 1.5 ft BT = 5540 Sample collected @ 1000 Thin black layer dipping eastward at about 1.5 feet.
	1.50	0.50	-2.00		Bright yellow silt mixed with clay			GR @ 2 ft SW = 3752
	2.00	1.00	-3.00		Pale yellow silt mixed with clay	CP21-3	specific layer grab sample	GR @ 3 ft BT = 3148 GR @ 3 ft SW = 4436 (yellow material) Second sample collected from clay material at this level: CP21-3A @ 1002
	3.00	1.00	-4.00		Same as above			GR @ 4 ft SW = 2489
	4.00	2.00	-6.00		Reddish tan sand mixed with large, flat cobbles			GR @ 6 ft SW = 1898

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	6.00	1.00	-7.00		Same as above			GR @ 7 ft BT = 2294 GR @ 7 ft SW = 2169 (west end of pit) Excavation halted to minimize dispersion of material. GR @ 7 ft SW = 5378 (east end of pit)

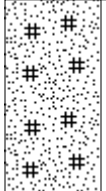
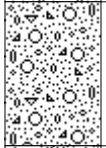

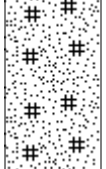
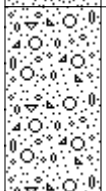
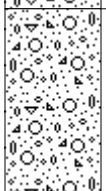
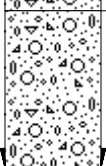
7.00 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP22
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 3 feet
Location: Colorado School of Mines		Start: 1/9/03 at 1030
Logged By: SMC/DWM/JAT		Finish: 1/9/03 at 1105
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 5Lx4Wx3D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400363.311, E480285.606 UTM, Zone 13 North, WGS 1984		Sampling Methods: specific layer grab sample grab sample from bucket

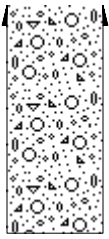
Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	0.00	1.00	-1.00		Reddish sandy clay			
	1.00	0.50	-1.50		Silty yellow material with some clay	CP22-1.5	specific layer grab sample	GR @ 1.5 ft BT = 3545 GR @ 1.5 ft SW = 4355 Sample collected @ 1050 Same yellow material as encountered in CP21
	1.50	1.50	-3.00		Same as above			GR @ 3 ft BT = 4538 GR @ 3 ft SW = 4371 Excavation abandoned to minimize dispersion of material

3.00 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP23
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 7 feet
Location: Colorado School of Mines		Start: 1/9/03 at 1110
Logged By: SMC/DWM/JAT		Finish: 1/9/03 at 1220
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 7Lx4Wx7D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400380.630, E480320.433 UTM, Zone 13 North, WGS 1984		Sampling Methods: specific layer grab sample grab sample from bucket










Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	0.00	1.00	-1.00		Tan/brown clay with sand and some silt - some topsoil mixed in			GR @ 1 ft BT = 2173 GR @ 1 ft SW = 2114
	1.00	0.75	-1.75		Cobbles mixed in with yellow/tan layer			
	1.75	0.25	-2.00		Brown/tan clay mixed with sand			GR @ 2 ft BT = 1660 GR @ 2 ft SW = 1905
	2.00	1.00	-3.00		Same as above			GR @ 3 ft BT = 2123 GR @ 3 ft SW = 1768
	3.00	1.00	-4.00		Layer of pink/purple crushed gravel mixed with sand and some clay	CP23-4	specific layer grab sample	GR @ 4 ft BT = 2171 GR @ 4 ft SW = 2316 Sample collected @ 1130
	4.00	1.00	-5.00		Same as above			GR @ 5 ft SW = 3157
	5.00	2.00	-7.00		Reddish sand mixed with large, flat cobbles			GR @ 7 ft BT = 1436 GR @ 7 ft SW = 1526 Excavation abandoned because of equipment limitations

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
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7.00 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP24
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 4 feet
Location: Colorado School of Mines		Start: 1/8/03 at 1000
Logged By: SMC/DWM/JAT		Finish: 1/8/03 at 1145
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 10Lx3.5Wx4D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400359.447, E480279.158 UTM, Zone 13 North, WGS 1984		Sampling Methods: specific layer grab sample grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	0.00	0.50	-0.50		Reddish brown sandy clay with interwinding yellow silty layer	CP24-0.5	specific layer grab sample	GR @ 0.5 ft SW = 4050 Sample collected @ 1500 GR just below surface = 4916
	0.50	0.50	-1.00		Yellow silty material			GR @ 1 ft SW = 3083
	1.00	0.50	-1.50		Same as above	CP24-1.5	specific layer grab sample	GR @ 1.5 ft SW = 2807 Sample collected @ 1502 Duplicate sample (CP24-1.5 DUP) collected @ 1503
	1.50	0.50	-2.00		Reddish clay			GR @ 2 ft SW = 2735
	2.00	0.25	-2.25		Same as above			
	2.25	0.25	-2.50		Gold/rusty colored silty clay			
	2.50	0.25	-2.75		Same as above			GR @ 2.75 ft SW = 2909
	2.75	0.50	-3.25		Black stripes in reddish/sandy clay			GR @ 3.25 ft SW = 2781
	3.25	0.75	-4.00		Same as above			GR @ 4 ft BT = 2232 GR @ 4 ft SW = 2296 Pit abandoned after exposing active water main.

4.00 feet T.D.

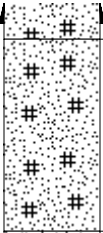
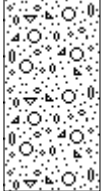
Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP25
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 4 feet
Location: Colorado School of Mines		Start: 1/9/03 at 1430
Logged By: SMC/DWM/JAT		Finish: 1/9/03 at 1530
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 12Lx3.5Wx4D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400350.559, E480283.344 UTM, Zone 13 North, WGS 1984		Sampling Methods: specific layer grab sample grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	0.00	1.00	-1.00		Brown/tan sandy clay	CP25-1	specific layer grab sample	GR @ 1 ft BT = 3633 Sample collected @ 1508
	1.00	0.50	-1.50		Brown clay mixed with yellow/gray silty material			GR @ 1.5 ft BT = 2793 GR @ 1.5 ft SW = 1754
	1.50	1.00	-2.50		Same as above			GR @ 2.5 ft SW = 1983
	2.50	0.50	-3.00		Black layer of silty clay	CP25-3		GR @ 3 ft SW = 2041
	3.00	0.50	-3.50		Orange sand			GR @ 3.5 ft SW = 1825
	3.50	0.50	-4.00		Reddish sand			GR @ 4 ft BT = 1772 Excavation halted at top of uncovered active water main

4.00 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP26
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 8 feet
Location: Colorado School of Mines		Start: 1/10/03 at 0940
Logged By: SMC/DWM/JAT		Finish: 1/10/03 at 1040
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 10Lx3Wx8D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400382.994, E480325.018 UTM, Zone 13 North, WGS 1984		Sampling Methods: specific layer grab sample grab sample from bucket

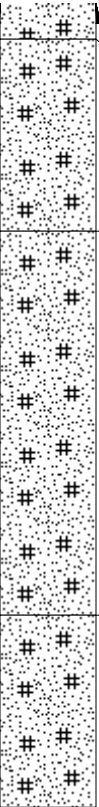
Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
# # # # # # # #	0.00	1.00	-1.00		Red/brown sandy clay graded to olive /tan clay - mottled with dark gray	CP26-1	grab sample from bucket	Surface - roadbed material GR @ 1 ft BT = 869 GR @ 1 ft SW = 924 Soil colors 7.5R4/8 - clay; N4 - mottled material Sample collected @ 0950
# # # # # # # # # # # # # #	1.00	2.00	-3.00		Olive/tan sandy/silty clay with some rust colored mottling			GR @ 3 ft BT = 920 Olive/tan clay color: 5Y 7/6
# # # # # # # #	3.00	1.00	-4.00		Same as above - very compacted at this level			GR @ 1 ft SW = 926
# # # # # # # # # # # #	4.00	2.00	-6.00		Same as above			GR @ 6 ft BT = 1027

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	6.00	1.00	-7.00		Same as above			GR @ 7 ft SW = 1271
	7.00	1.00	-8.00		Reddish/pink sand mixed with large flat cobbles			GR @ 8 ft BT = 1673 GR @ 8 ft SW = 1658

8.00 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP27
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 10 feet
Location: Colorado School of Mines		Start: 1/10/03 at 1045
Logged By: DWM/JAT		Finish: 1/10/03 at 1220
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 13Lx4Wx10D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400381.108, E480345.938 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	0.00	0.50	-0.50		Sandy brown clay with turquoise and blue material mixed throughout	CP27-0.5	grab sample from bucket	GR @ 0.5 ft BT = 528 Sample collected @ 1045 Note: This test pit had numerous laboratory crucibles, bricks, and miscellaneous building debris in the upper 3 feet.
	0.50	0.50	-1.00		Sandy, silty brown/tan clay with orange, yellow, purple, red powdery materials mixed throughout. Some gravel.	CP27-1	grab sample from bucket	GR @ 1 ft BT = 579 Sample collected @ 1135
	1.00	1.00	-2.00		Silty/sandy powdery layer with crystalline turquoise intermingled with yellow and orange powdery material.			GR @ 2 ft SW = 512
	2.00	1.00	-3.00		Same as above with some purple/red gravel plus more orange and yellow			GR @ 3 ft BT = 794
	3.00	1.00	-4.00		Brown/gray sandy clay mottled with rust and red color plus some yellow powder	CP27-4	grab sample from bucket	Sample collected @ 1140
	4.00	1.00	-5.00		Same as above with additional yellow, brown, and orange clay			GR @ 5 ft SW = 792

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	5.00	1.00	-6.00		Same as above	CP27-6	grab sample from bucket	GR @ 6 ft BT = 900
	6.00	1.00	-7.00		Maroon/brown sandy clay			GR @ 7 ft SW = 1004
	7.00	2.00	-9.00		Same as above	CP27-9	grab sample from bucket	GR @ 9 ft SW = 1277 Sample collected @ 1150
	9.00	1.00	-10.00		Same as above			GR @ 6 ft BT = 1564 GR @ 7 ft SW = 1564

10.00 feet T.D.

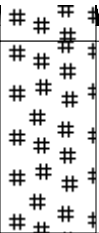
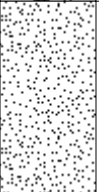
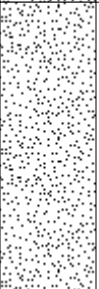
Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP28
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 4 feet
Location: Colorado School of Mines		Start: 1/10/03 at 1316
Logged By: DWM/JAT		Finish: 1/8/03 at 1145
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 13Lx3Wx4D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400407.425, E480409.993 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	0.00	1.00	-1.00		Brown silty clay with some sand and gravel			GR @ 1 ft BT = 976
	1.00	1.00	-2.00		Dark gray sandy clay			GR @ 2 ft SW = 1061
	2.00	1.00	-3.00		Mixture of brown clay and dark gray sandy clay	CP28-3	grab sample from bucket	GR @ 3 ft BT = 1070 Sample collected @ 1330
	3.00	1.00	-4.00		Same as above			GR @ 4 ft BT = 1111 GR @ 4 ft SW = 1073 Encountered top of active water line at this level - abandoned test pit

4.00 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP29
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 9.5 feet
Location: Colorado School of Mines		Start: 1/10/03 at 1355
Logged By: DWM/JAT		Finish: 1/10/03 at 1530
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 13Lx4-5Wx9.5D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400408.847, E480412.584 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
# # # # # # # #	0.00	1.00	-1.00		Mottled orange/ brown silty clay mixed with some gravel and pieces of asphalt	CP29-1	grab sample from bucket	GR @ 1 ft BT = 1909 Sample collected @ 1450
# # # # # # # #	1.00	1.00	-2.00		Same as above			GR @ 2 ft SW = 1023
# # # # # # # #	2.00	1.00	-3.00		Brown/gray silty clay with some sand			GR @ 3 ft BT = 1392
# # # # # # # # # # # # # # # #	3.00	2.00	-5.00		Same as above			GR @ 4 ft SW = 1047
# #	5.00	1.00	-6.00		Light brown clay with intermingled red/brown clay - some silt	CP29-6	grab sample from bucket	GR @ 6 ft BT = 1372 Sample collected @ 1428

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	6.00	1.00	-7.00		Same as above			GR @ 7 ft SW = 1752
	7.00	1.00	-8.00		Light orange/brown sand with some clay - very fine grained sand			
	8.00	1.50	-9.50		Same as above	CP29-9	grab sample from bucket	GR @ 9.5 ft BT = 1952 GR @ 9.5 ft SW = 2051 Sample collected @ 1435 Duplicate sample (CP29-9 DUP) collected @ 1436

9.50 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP31
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 4 feet
Location: Colorado School of Mines		Start: 1/13/03 at 0934
Logged By: DWM/JAT		Finish: 1/13/03 at 1006
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 9Lx3Wx4D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400327.159, E480293.603 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	0.00	0.25	-0.25		Dark brown clay mixed with gravel and roadbed material - asphalt, bricks, building debris, etc.	CP31-0.25	grab sample from bucket	GR @ surface = 6511 GR @ 0.25 ft = 14514 GR @ 0.25 ft = 1992 Sample collected @ 1000
	0.25	0.75	-1.00		Same as above			GR @ 1 ft BT = 1591 GR @ 1 ft SW = 1422
	1.00	1.00	-2.00		Olive/tan silty clay mixed with some gravel			GR @ 2 ft BT = 972 GR @ 2 ft SW = 1145
	2.00	1.00	-3.00		Black sandy clay mixed with some brown clay	CP31-3		GR @ 3 ft SW = 1124 Sample collected @ 1005
	3.00	1.00	-4.00		Same as above with some brick debris			GR @ 4 ft BT = 1020 GR @ 4 ft SW = 1070

4.00 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP32
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 6 feet
Location: Colorado School of Mines		Start: 1/13/03 at 1012
Logged By: DWM/JAT		Finish: 1/13/03 at 1145
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 18Lx3.5Wx6D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400329.066, E480300.593 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
#####	0.00	1.00	-1.00		Light to medium brown clay mixed with some gravel			GR @ 1 ft BT = 1209 GR @ 1 ft SW = 1217
#####	1.00	0.25	-1.25		Olive/tan clay			
#####	1.25	0.50	-1.75		Black clay with brick debris - mixed with brick sand			GR @ 1.75 ft SW = 1184
#####	1.75	1.25	-3.00		Same as above			GR @ 3 ft BT = 1065
#####	3.00	0.50	-3.50		Brown clay			GR @ 3.5 ft SW = 1137
#####	3.50	0.50	-4.00		Same as above			
#####	4.00	1.00	-5.00		Olive/tan silty clay with some sand	CP32-5	grab sample from bucket	GR @ 5 ft SW = 1028 Sample collected @ 1045
#####	5.00	1.00	-6.00		Same as above			GR @ 6 ft BT = 967 GR @ 6 ft SW = 1000

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
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6.00 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP33
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 5 feet
Location: Colorado School of Mines		Start: 1/13/03 at 1245
Logged By: DWM/JAT		Finish: 1/13/03 at 1310
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 11Lx3.5Wx5D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400338.559, E480227.821 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	0.00	1.00	-1.00		Purple sandy material (very fine grained) mixed with dry powdery brown clay and small gravel	CP33-1	grab sample from bucket	GR @ 1 ft SW = 1326 Sample collected @ 1310 Site contained a 5 inch diameter vertical pipe, anchored in 4'Wx3'Lx3'D concrete - probably building support. Pipe was not open through concrete. Purple material primarily at surface
	1.00	0.50	-1.50		Same as above			GR @ 1.5 ft SW = 1340
	1.50	1.50	-3.00		Orange sand - very fine grained			GR @ 3 ft BT = 1380
	3.00	1.00	-4.00		Same as above			GR @ 4 ft SW = 1411
	4.00	1.00	-5.00		Same as above			GR @ 5 ft BT = 1730 GR @ 5 ft SW = 1697



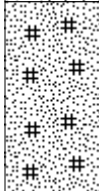
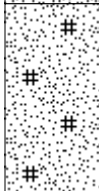

5.00 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP34
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 4 feet
Location: Colorado School of Mines		Start: 1/13/03 at 1316
Logged By: DWM/JAT		Finish: 1/13/03 at 1400
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 10Lx4Wx6D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400337.900, E480225.918 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
#	0.00	1.00	-1.00		Red/brown clayey sand - fine grained sand			GR @ 1 ft BT = 1361 Submerged open drum visible at surface of this location.
#	1.00	0.25	-1.25		Same as above			
#	1.25	0.75	-2.00		Red clayey sand - fine grained			GR @ 2 ft SW = 1440
#	2.00	1.00	-3.00		Orange/red very fine grained sand - some clay	CP34-3	grab sample from bucket	GR @ 3 ft BT = 1471 GR @ 3 ft SW = 1416
#	3.00	0.50	-3.50		Same as above			Found two 2 inch diameter horizontal pipes at 3.5 feet.
#	3.50	0.50	-4.00		Same as above			GR @ 4 ft BT = 1683 GR @ 4 ft SW = 1630 Top of cobble zone - reddish/pink sand mixed with large flat cobbles below 4 feet.

4.00 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP35
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 3.5 feet
Location: Colorado School of Mines		Start: 1/13/03 at 1408
Logged By: DWM/JAT		Finish: 1/13/03 at 1435
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 10Lx3Wx3.5D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400333.504, E480198.182 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
	0.00	0.50	-0.50		Pale yellow fine sand - some silt. Some loamy soil with plant roots.	CP35-0.5	grab sample from bucket	GR @ 0.5 ft BT = 10000 GR @ 0.5 ft SW = 8442 Sample collected @ 1412 This site was selected because of high surface scan.
	0.50	0.50	-1.00		Same as above - less loamy soil.			GR @ 1 ft BT = 6263 GR @ 1 ft SW = 3291
	1.00	1.00	-2.00		Brown silty clay mixed with yellow sand/silt			GR @ 2 ft BT = 2805 GR @ 2 ft SW = 2111
	2.00	1.00	-3.00		Red/brown to orange clayey sand			GR @ 3 ft SW = 1693
	3.00	0.50	-3.50		Same as above			GR @ 3.5 ft BT = 2021 GR @ 3.5 ft SW = 1911 Pit abandoned because of equipment limitations.

3.50 feet T.D.

Report Date: 9/18/2003	TEST PIT LOG	Pit No.: CP36
Company Name: New Horizons Environmental Consultants, Inc.		Surface Elevation:
Site Name: CSMRI		Total Depth: 2.5 feet
Location: Colorado School of Mines		Start: 1/13/03 at 1440
Logged By: DWM/JAT		Finish: 1/13/03 at 1520
Contractor:		Equipment Type: Backhoe
Conditions:		Pit Dimensions: 6Lx6Wx2.5D
Comments: GR: 10 second gamma reading BT: gamma reading taken from pit bottom SW: gamma reading taken from pit sidewall Pit coordinates: N4400332.100, E480192.655 UTM, Zone 13 North, WGS 1984		Sampling Methods: grab sample from bucket

Graphical Log	Top Depth (feet)	Thick. (feet)	Bt.Elev. (feet)	Strata Code	Material Description	Sample No.	Sampling Method	Remarks
# # # # # # # #	0.00	1.00	-1.00		Tan sandy clay mixed with gray ash, brown loamy topsoil with plant roots	CP36-1	grab sample from bucket	GR @ 1 ft BT = 1248 Sample collected @ 1450 Vertical steel pipe fence post located at this position.
.	1.00	1.00	-2.00		Red/brown to orange sand with some clay			GR @ 2 ft SW = 1049
.	2.00	0.50	-2.50		Same as above			GR @ 2.5 ft BT = 1137 GR @ 2.5 ft SW = 1221 Excavation halted at top of concrete 'footer' material. Close to top of cobbles so no attempt made to relocate test pit.

2.50 feet T.D.