ADDITIONAL EMERGENCY ABATEMENT AND SUBSURFACE INVESTIGATION REPORT

C-4 TOP STOP
15 SOUTH MAIN STREET
GUNNISON, UTAH
UST FACILITY NO. 2000220, RELEASE SITE EMHB

VOLUME 1

December 24, 2007

Prepared for:

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VOLUME I
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WASATCH
ENVIRONMENTAL

Mr. Craig Larsen
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December 24, 2007
1241-026A.sir

SUBJECT: Additional Emergency Abatement and Subsurface Investigation Report
November 7, 2007 and December 7, 2007
C-4 Top Stop
15 South Main St.
Gunnison, Utah
UST Facility No. 2000220
Release Site EMHB

This report outlines the actions taken between November 7, 2007 and December 7, 2007 to address the release of gasoline from an underground storage tank system at the C-4 Top Stop Convenience Store in Gunnison, Utah. Wasatch Environmental, Inc. (Wasatch) has conducted additional subsurface investigations to further determine the extent of lateral migration of gasoline vapors from the above referenced facility. Investigation activities have focused primarily on the extent and direction of vapor migration, as determined by the concentrations detected in subsurface borings and inside homes and businesses. However, the direction of abatement efforts and subsurface investigation has been significantly affected by reports of gasoline vapors in residences outside the immediate location of the release.

This Subsurface Investigation Report is comprised of the following sections:

Section 1	Summary of Preceding Activities
Section 2	Reports of Gasoline Odors at 255 S 100 West Street
Section 3	Reports of Gasoline Vapors at 70 W 300 South Street
Section 4	Reports of Gasoline Vapors at 70 W 200 South Street
Section 5	Identification of an Eastern and Western Branch of the Vapor Plume
Section 6	Plume Configuration and Dimensions
Section 7	Installation of Additional SVE Systems
Section 8	Outdoor and Indoor Air Sampling
Section 9	Residential Air Mitigation

Section 1 Summary of Preceding Activities

On August 8, 2007, gasoline vapors were reported in businesses near the Top Stop convenience store in Gunnison, Utah. An overnight tank test on August 8-9 indicated a large loss of product had occurred.

On August 9, Wind River Petroleum requested that Wasatch conduct an emergency response and preliminary investigation, which was initiated on August 10. Gasoline vapors were measured in buildings where vapors were reported and were removed from affected buildings by utilizing ventilation fans.

Between August 15 and 17, 2007, borings were completed on the east and west sides of Main Street. Soil samples were collected, which revealed the presence of hydrocarbons in both areas. SVE systems were installed on both sides of the street, which immediately began to reduce the odor of gasoline in the affected buildings.

Wasatch oversaw the removal of four underground storage tanks from the site between August 21 and 27, 2007. The dispenser island, tanks and piping were removed.

Additional borings were completed behind the Casino Star Theater and Lila Lee's Apparel on the west side of Main Street and west along 100 South Street, which indicated a contamination plume was moving in a southwesterly direction from the point of release. Summa canisters were placed in several businesses and homes where vapors were reported to identify those that may have been impacted by the release.

Section 2 Reports of Gasoline Odors at 255 South 100 West Street

On November 7, 2007, gasoline odors were reported in the basement at 255 South 100 West Street. Wasatch personnel evaluated the presence of vapors with a photo-ionization detector (PID), which revealed a maximum vapor concentration of 20 ppm. The family was advised to leave the home until the vapors were removed.

After vapors were discovered in the 255 South 100 West residence, borings B50 through B66 were completed on November 7 and 9, 2007 on horse property located adjacent to the north of the residence. All boring logs and respective PID readings are presented at the back of Volume 1. All boring locations are presented on Figures 2, 3, and 4.

When moderate vapor readings were detected in the borings completed along the southern and eastern borders of the horse property, borings B67 through B72 were completed on the western half of the adjacent property to the east, located at 59 West 200 South Street. Moderate to high PID readings (105 to 950 parts per million) were detected in borings B67 through B70 along the northern edge of the property. A PID reading of 1830 ppm was detected in boring B72, which was located approximately 90 feet south of B70 and just south of a large shed that sits near the center of the property. On November 12, borings B77 through B80 were completed on four sides of B72. B79, located 20 feet to the west had a reading of 1000 ppm, whereas no PID readings were detected in B77, located 20 feet to the south. Located 20 feet to the east, B78 had a reading of 2.3 ppm. The readings indicated plume migration may be toward the southwest. Based on the PID readings, boring B72 appeared to be located at or near the southeastern plume boundary, though the vapor plume may not coincide precisely with the liquid-phase and/or dissolved-phase plume.

Investigation continued on November 20, 2007, in which a series of borings (B161-B163 and B169-B174) was completed to the east of boring B70 along the northern edge of the 59 West property to further define the eastern boundary of the plume at that location.

Investigation also continued toward the southwest. On November 12, borings B85 and B86 were completed in the back yard of the 255 South 100 West Street residence. Boring B85 was completed 20 feet east of the northeast corner of the house. A silty clay was encountered at 5 feet below ground surface (bgs) and continued down to 11.5 feet bgs, where wet silty sand and gravel were encountered. Refusal occurred at 13 feet depth. A PID reading of 2300 ppm was observed in the sample obtained at the bottom of the boring, which correlates with the saturated, permeable sand and gravel encountered. This was the highest reading observed in the investigation surrounding the 255 South residence. Boring B86 was then completed 30 feet south of B85 and had a PID reading of 19 ppm at a depth of 10 feet bgs where refusal occurred.

On November 12, borings B-81 through B-84 were completed along the western edge of 100 West Street, which is down gradient of the Taylor property. On November 13, borings B91 through B95 were completed along the west side of 100 West Street. No PID readings were observed in any of the down gradient borings, with the exception of B83, which had a PID reading of 43 ppm. The indication was that the leading edge of the vapor plume may have been defined.

Section 3 Reports of Gasoline Vapors at 70 West 300 South Street

On November 10, the resident at 70 West 300 South Street reported an odor of gasoline inside the residence. On November 11, 2007, borings B73-B76 were completed along the north side of the house. Subsequently, borings B87 and B88 were completed on the south side of the house and borings B89 and B90 were completed to the north of borings B73, B74, and B75. No PID readings were encountered in the borings. Additional investigation will be conducted around the residence.

Section 4 Reports of Gasoline Vapors at 70 W 200 South Street

On November 14, borings were initiated on the north side of 200 South Street in response to reports of vapors in the basement of the residence at 70 West 200 South Street. Borings B98-B122 were completed from east to west behind the residences at 60 West and 70 West 200 South Street. PID readings obtained from the borings indicated that some channeling had occurred at that location. PID readings from three borings (B100, B102, and B103) ranged from 80 ppm to 130 ppm. PID readings from borings B108 through B111, ranged from 60 to 160 ppm. In between the two segments, three borings (B98, B99, B101) had low to near zero PID readings.

In three additional borings (B105 through B107) completed on the property located adjacent to the west of the 70 West property, low or no PID readings were encountered, indicating that the western boundary of the vapor plume may have been defined at that location. Behind the 70 West residence, the highest PID reading (130 ppm) was encountered in boring B102, and borings were completed toward the north from that point. PID readings were non-detect in borings B114 and B115, which were completed 20 and 40 feet north of B102. Concentrations of 800 ppm, 700 ppm, and 650 ppm were then encountered in borings B116 through B118, respectively, which were completed from west to east across the northern edge of the 70 West property. Moving further eastward across the back of the 60 West property, a PID reading of 50 ppm was detected in boring B119, and 100 ppm, 357 ppm, and 335 ppm, respectively, in borings B164, B165, and B166, which again indicated channeling had occurred. No PID readings were encountered east of the 40 West property line. The high PID readings were detected at depths in which a relatively large formation of silty sand and gravel was encountered in virtually all of the borings in that area.

Section 5 Identification of an Eastern and Western Branch of the Contamination Plume

On November 16, 2007, a western branch of the contamination plume was identified. The western branch was first discovered during the drilling of boring B131, which was completed on the east side of the property located at 96 West 200 South Street on November 16. The boring was completed 20 feet due east of the northeast corner of the house and had a PID reading of 60 ppm. Borings (B133-B139) were completed along the northern edge of the back yard of the 96 West residence on November 19, which extended eastward onto the adjacent property at 78 West 200 South Street. PID readings ranged from 2.0 ppm to 250 ppm.

On November 20, additional borings B143 through B145 and B153 through B160 were completed along the north and west edges of the 255 South 100 West Street horse property to better determine if the western branch of the plume had migrated south across 200 South Street, or to the west across 100 West Street.

On November 21, 2007, borings (B175-B181) were completed farther north on the property located at 49 West 100 South Street. PID readings greater than 1000 ppm were observed in multiple borings, which indicated a substantial western branch of the plume. Finally, on November 30, borings B197-B203 were completed farther north along the south side of 100 South in front of the residences at 49 West and 39 West to further define the up-gradient portion of the western branch. PID readings of 1,032 ppm, 1,075 ppm and 1,596 ppm were detected in borings B197, B200 and B201, respectively.

Section 6 Vapor Plume Configuration and Dimensions

Data obtained from 235 borings completed between August 15, 2007 and December 5, 2007 indicates that the configuration of the contamination plume has largely been identified (Figure 8). The plume appears to have split into two branches, which move through the subsurface in a roughly parallel configuration toward the southwest. At present the western branch appears to pass across the eastern edge of the U.S. Post Office parking lot, which is located on the southeast corner of the intersection of 100 South Street and 100 West Street. It apparently extends toward the southwest to a point just northeast of the intersection of 200 South and 100 West Streets. The western branch appears to be approximately 1200 feet in length with a maximum width of approximately 100 feet.

The larger eastern branch appears to split briefly in the back yards of the residences at 60 West and 70 West 200 South Street, then recombine as it crosses 200 South Street, moving in a southerly direction toward 300 South. It appears to pass underneath the residence at 59 West 200 South, and to immediately begin a sweeping turn toward the west, passing underneath the large shed on the west side of the same property. It appears to continue in a west-southwest direction, moving beneath the residence located at 255 South 100 West. The eastern branch appears to be approximately 1500 feet in length with a maximum width of approximately 150 feet.

The vapor plume is apparently migrating along the surface of the unconfined water table. The unconfined water table consists principally of surface runoff water. Potable water is obtained from deeper confined aquifers.

The branching of the plume may be due to depressions, troughs or channels in the lower impermeable stratum. Clay zones have also been encountered, which lie at or above the unconfined water table, and which may have affected to a larger degree the separation into two branches, as well as minor branching within the bounds of the two primary branches.

Section 7 Installation of Additional SVE Systems

South Horizontal SVE System

Excavation for the horizontal SVE system on the horse property located north of 255 South 100 West Street was initiated on November 12. A trench was excavated from west to east approximately 10 feet north of the south fence next to the residence. The trench is "T" shaped, and the total length is about 400 feet. The trench is 4 feet wide and between 14 and 16 feet deep. The SVE trench was constructed by placing approximately 3 feet of crushed gravel in the bottom; a 4-inch, perforated PVC well screen was installed; and one foot of gravel was placed over the well screen. The remainder of the trench was backfilled with a 1-bag cement mix of flow-fill to within one foot of the surface, with native soil to the surface. Soil excavated from the SVE trench was disposed of at the White Hills Land Fill near Mayfield, UT. Emissions from the SVE system are treated by a catalytic oxidizer (Cadox). Figure 4 illustrates the location of the trench.

Central Horizontal SVE System

Excavation for the horizontal SVE system behind the 60 West and 70 West 200 South properties began the week of November 19. The trench is currently about 300 feet long, 4 feet wide, and between 14 and 16 feet deep. Figure 4 illustrates the location of the trench. This trench will be extended in the future. Soil excavated from the SVE trench was disposed of at the White Hills Land Fill near Mayfield, UT. Emissions from the SVE system are treated by a catalytic oxidizer (Cadox)

255 South 100 West SVE System

A soil vapor extraction system was installed beneath the basement floor slab of the residence at 255 South 100 West to mitigate the gasoline vapors beneath the building. The system began operation on November 21. The system consists of two shallow SVE wells placed in cored boreholes beneath the concrete floor slab. Air extraction is provided by the South Horizontal SVE System and emissions treatment is provided by the catalytic oxidizer. Indoor air quality is being monitored weekly by summa canister testing.

Casino Star Theater SVE System

Inspection of the basement of the Casino Star Theater indicated that gasoline vapors were concentrated in several areas that appear to be comprised of trench backfill. As temporary abatement, a concrete surface patch was placed over these areas and a 2-inch pipeline was extended from the West SVE system through the basement wall to extract air from the affected area. Air extracted from the theater's basement is piped to the West SVE Cadox. Preliminary evaluation based on PID readings indicates this temporary abatement measure has been successful. Further evaluation will be based on summa canister results.

Section 8 Outdoor and Indoor Air Sampling

In response to reports of vapors, summa canisters have been placed in various business buildings and homes to help identify buildings that may have been impacted by the release. Table 1 in Volume 1 and Volume 2 of this report presents locations and results of the indoor and outdoor air sampling.

Figures 5, 6, and 7 depict the approximate placement locations of the summa canisters. Laboratory results of the air sampling are presented in Volume 2 of this report.

Section 9 Residential Air Mitigation

Active Soil Depressurization Systems draw soil gases from beneath a subject building's foundation and exhaust it outside the structure where the vented gases will not re-enter the structure or adjacent structures. This technology has been utilized successfully in the past to remove volatiles from beneath basements, slabs, and crawl spaces of residential buildings. In the case of slabs and basements, the concrete floor is cored to access the underlying soil. In buildings with accessible crawl spaces, the ground surface beneath the building is sealed with plastic sheeting to enable the removal of vapors.

This technology has been applied in several homes in Gunnison, which are listed below:

- 68 W 200 South – A combined sub-slab and crawl space system. Plastic sheeting was placed on the crawl space floor.
- 60 W 200 South – A crawl space system. Plastic sheeting was placed on the crawl space floor.
- 96 W 200 South – Crawl space ventilation only. The crawl space is not accessible for plastic sheeting.
- 26 W 100 South – Crawl space ventilation only. The crawl space is not accessible for plastic sheeting.
- 36 W 100 South – A combination of sub-slab and crawl space ventilation. The crawl space is not accessible for plastic sheeting.

- 39 W 100 South – Sub-slab system. Note: Plastic sheeting was placed on open soil under the stairs.

Other corrective action measures are pending. The air mitigation results for these applications are not available for this report, but will be submitted after the pertinent data has been collected and tabulated.

Our services consist of professional opinions and recommendations made in accordance with generally accepted environmental engineering principles and practices. This warranty is in lieu of all other warranties either expressed or implied. Should you have any questions, please do not hesitate to contact us.

Sincerely,

WASATCH ENVIRONMENTAL, INC.

Les Pennington, PE
Principal Engineer

Rebecca Studenka
Utah Certified UST Consultant

Troy Smith
Project Geologist

BB/DW/LP/rd

Copies: (1) Addressee
(1) Mr. Doug Hansen, Utah DERR

TABLE 1
SUMMA CANISTER RESULTS
Updated 12/07/2007

Sample Location	Address	Collection Date	Benzene	Toluene	Ethyl Benzene	Total Xylenes
[redacted] - Basement	96 West 200 South	11/16/2007	2.8	6	ND	2.13
[redacted] - Bedroom	96 West 200 South	11/16/2007	2.1	8.5	ND	3.66
[redacted]	39 West 100 South	12/5/2007	27	23	0.8	17.9
Dorius Office	47 South Main	9/6/2007	2	5.4	ND	2.94
Fitness	62 South Main	9/18/2007	4.1	13	1.8	11.2
Gunnison Telephone	29 South Main	9/6/2007	1.8	4.8	0.73	3.46
Gunnison Valley Bank - Rear Storage	10 South Main	10/23/2007	5.6	9.9	0.69	10.4
Gunnison Valley Bank - Unoccupied Basement	10 South Main	10/26/2007	8.8	11	0.84	14.1
[redacted] - Occupied Basement	70 West 200 South	11/9/2007	4.1	20	1.4	7.1
His N Hers	98 South Main	9/6/2007	1	2.8	ND	1.2
His N Hers	98 South Main	11/19/2007	53	180	22	160
Home Town Café - Basement	32(?) South Main	9/18/2007	8.1	36	1.4	7
Home Town Apartment	34(?) South Main	11/20/2007	1.2	3.7	ND	0.67
Home Town Apartment - Basement	34(?) South Main	11/20/2007	1.2	4.1	ND	2.54
Jensen Drug2	77 South Main	12/3/2007	1.3	4.5	ND	2.99
[redacted] - Crawl Space	60 West 200 South	11/14/2007	34	47	5.3	2.22
La Pierre2	170 South 200 West	12/5/2007	2.7	9.8	1.3	5.7
[redacted] - Crawl Space	40 West 100 South	11/14/2007	0.86	3.4	ND	1.5
Lila Lee's - Basement	70 South Main	9/7/2007	27	50	3.9	14.8
Lila Lee's - Basement	70 South Main	12/5/2007	1.6	5.7	ND	3.36
Lotsa Motsa	54 South Main	9/6/2007	9.2	10	0.72	4.6
Malt Shop	30(?) South Main	9/18/2007	11	140	1.2	5.8
[redacted] - Small Furnace Room2	89 West Center	11/19/2007	130	450	42	274
[redacted] - Downstairs Kitchen Counter2	89 West Center	12/3/2007	17	63	6.3	9.49
[redacted] - Upstairs Kitchen Table2	89 West Center	12/3/2007	20	73	7.8	55
Plumbing	20 South Main	9/18/2007	1.4	6.1	ND	0.93
Star Theater	78 South Main	10/26/2007	1101	19	9	60
Star Theater - Basement	78 South Main	11/19/2007	4200	8300	1400	7000
State Farm	28 South Main	9/18/2007	1.5	6	0.83	4.7
[redacted]	43 West Center	12/5/2007	1.4	7.4	ND	2.6
[redacted] - Occupied Basement	255 South 100 West	11/7/2007	33	110	10	55
[redacted] - Basement Staircase	255 South 100 West	12/3/2007	16	67	7.2	42
[redacted] (West of DG Edge of Plume)2	201 South 100 West	11/9/2007	3	12	1.3	7.8
[redacted] Residence (East of Plume)2	16 East Center Street	11/7/2007	3.2	23	4.2	24.4
[redacted] Kitchen (East of Plume)2	12 East Center Street	11/9/2007	2.2	5.5	ND	3.49
[redacted] - Unoccupied Basement (East of Plume)2	12 East Center Street	11/9/2007	1.4	4.5	ND	2.94
White Hills Trading Company	74 South Main	9/6/2007	1.3	4.1	ND	2.26
White Hills Trading Company	74 South Main	11/20/2007	0.41	1.1	ND	ND
[redacted] - Crawl Space (East of Plume)2	West 300 South	11/12/2007	0.77	2.2	0.86	4.55
[redacted] - Bedroom	50 West 100 South	11/14/2007	1.4	7.2	ND	4
26 W 100 S ([redacted])	26 West 100 South	11/16/2007	25	60	4.1	27.5
26 West 100 South - Bedroom Storage Room	26 West 100 South	12/3/2007	17	20	0.95	6.5
29 W 100 S ([redacted]) - Unoccupied Basement	29 West 100 South	10/26/2007	20	11	0.84	4.9
36 W 100 S ([redacted]) - Unoccupied Basement	36 West 100 South	11/16/2007	8.8	13	1.5	15.7
59 W 200 S	59 West 200 South	11/14/2007	1.8	4	1.1	6
Outdoor Sample	East Main Street (70 South)	9/6/2007	2.1	4.3	ND	2.53
Outdoor Sample	West Main Street (65 South)	9/6/2007	2.6	5.1	ND	3.16
Outdoor Sample - Background North2	West Main Street (56 North)	12/3/2007	1.4	3	ND	2.46
			Benzene	Toluene	Ethyl Benzene	Total Xylenes

1Canister Disturbed and Relocated During Sample Collection Period

2Sample Locations Believed to be Outside Impacted Area

WASATCH ENVIRONMENTAL

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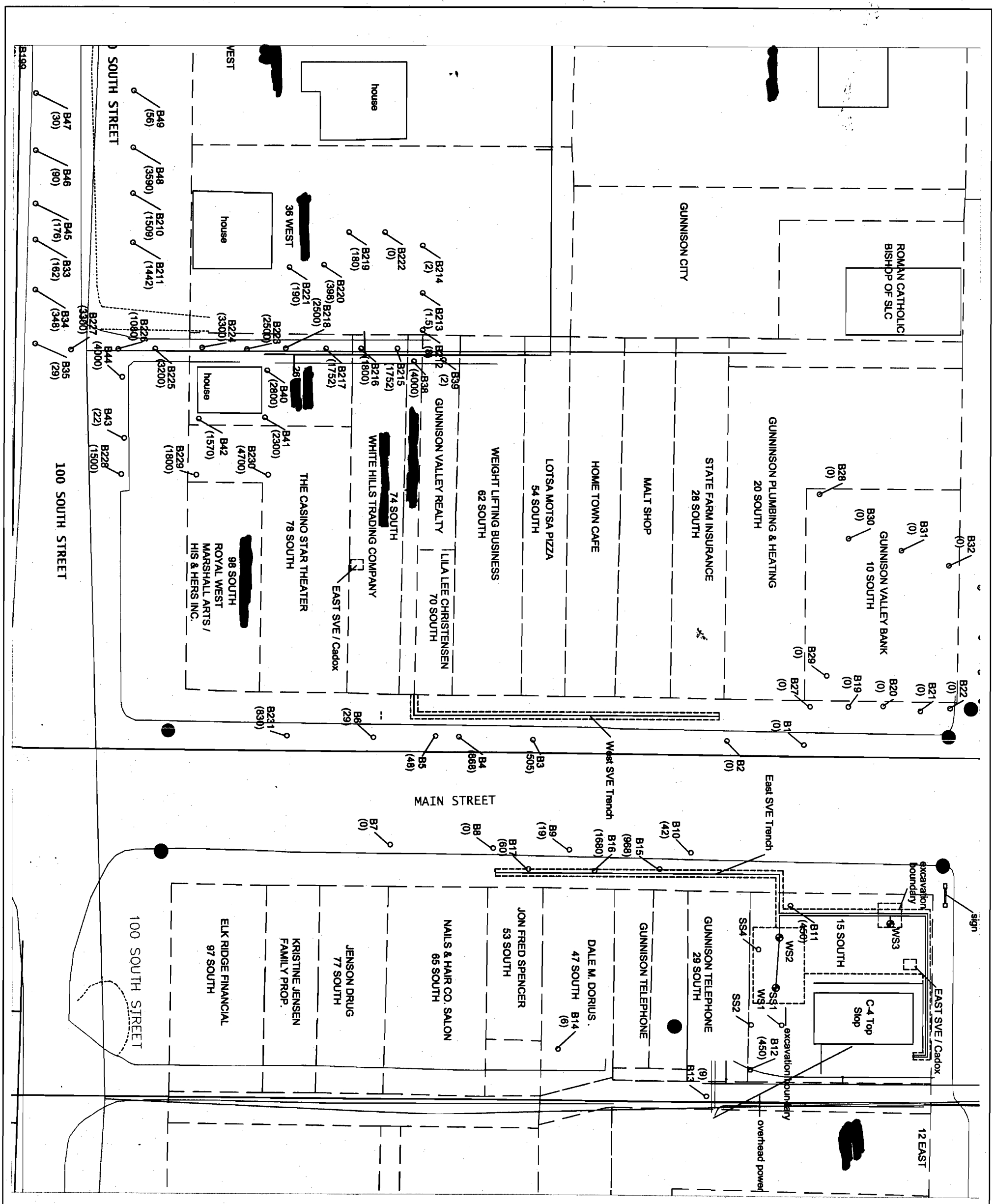
www.wasatch-environmental.com

Overall Project Site Map

Gunnison, Utah

PROJECT NO.	DRAWING DATE	
1241-026A	Dec. 20, 2007	FIG. 1



NOTE: DATA THROUGH DECEMBER 7, 2007

Legend

- Geoprobe location with PID reading
- approx. site locations
- gas
- communications
- potable water
- sewers and drains

Approximate Scale (ft)

0 60 120

WASATCH ENVIRONMENTAL

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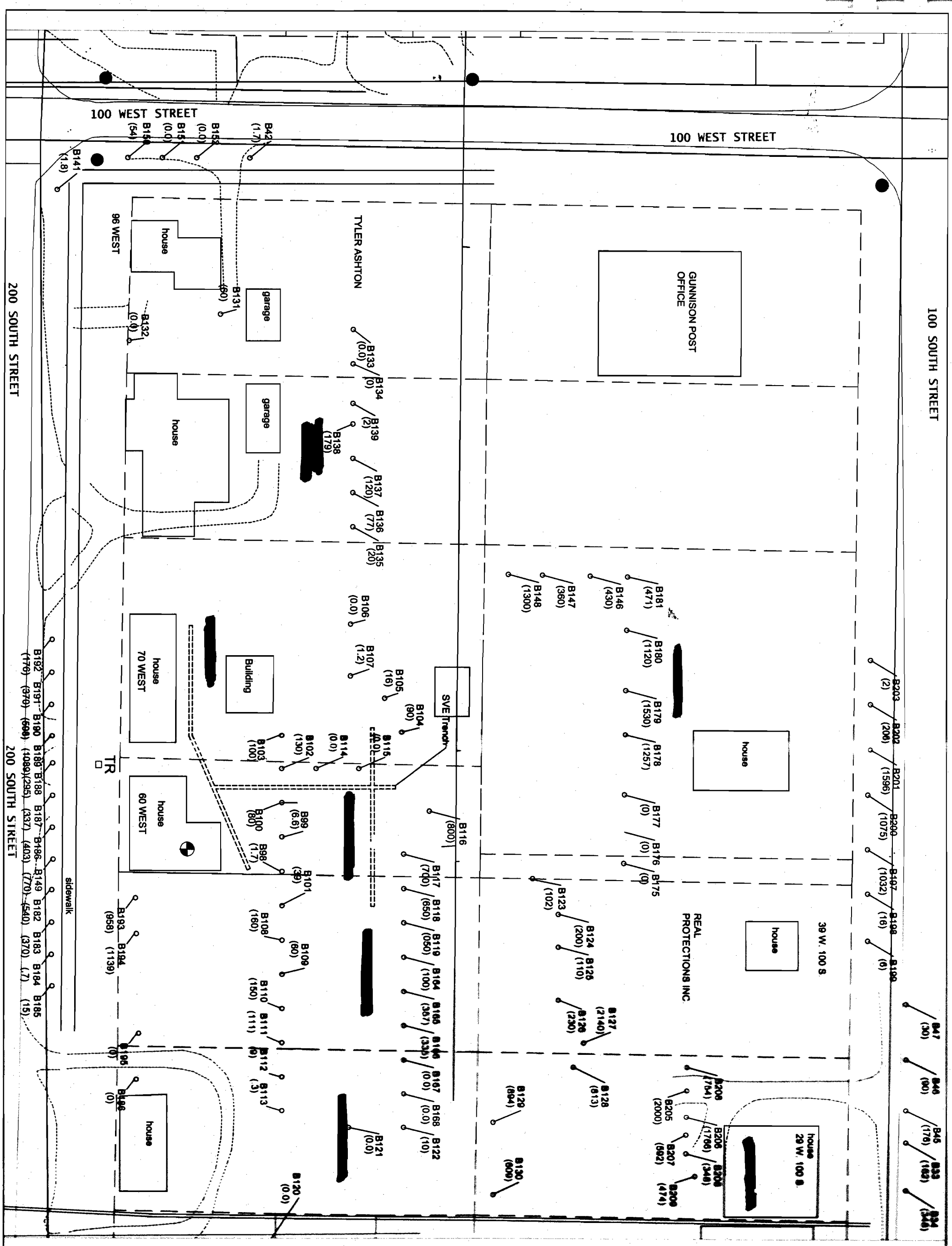
SITE PLAN
AREA 1

Gunnison, Utah

PROJECT NO.	DRAWING DATE	
1241-026A	Dec 20, 2007	FIG. 2



NOTE: DATA THROUGH DECEMBER 7, 2007

Approximate Scale (ft)

0 60 120

Legend

○ Geoprobe location with PID reading

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SITE PLAN
AREA 2

Gunnison, Utah

PROJECT NO.	DRAWING DATE	
1241-026A	Dec 20, 2007	FIG. 3

200 SOUTH STREET

200 SOUTH STREET

100 WEST STREET

TR

transformer

TR

59 WEST

B157 (0.0) B156 (0.0) B159 (x) B155 (0.0) B154 (0.0) B153 (0.0) B64 (0.0) B63 (0.0) B65 (0.0) B66 (0.0) B67 (0.0) B68 (950) B69 (600) B70 (110) B161 (185) B162 (354) B163 (451) B160 (59)

B160 (0.0)

B158 (0.0)

B145 (0.0)

B144 (2.1)

B143 (1.1)

B142 (1.8)

B171 (97) B170 (6) B173 (0) B174 (0)

B172 (0)

house

barn

B79 (1000)

B62 (30) B59 (279) B60 (170) B61 (50) B71 (0.0) B80 (61) B72 (1830) B78 (2.3) NAOMI O. WHITE

B77 (0.0)

SVE Trench

South SVE Cadox

B50 (0.0) B51 (0.0) B52 (0.0) B53 (250) B54 (140) B55 (105) B56 (84) B57 (333)

B58 (50)

house

B85 (400)

B86 (19)

B81 (0.0)

B82 (0.0)

B83 (43)

B84 (0.0)

mw-2

mw-1

mw-3

mw-4

B91 (0.0)

B92 (13)

B93 (0.0)

B94 (0.0)

B95 (0.0)

B96 (0.0)

B97 (0.0)

B130 (0.0)

GARAGE

B89 (0.0) B90 (0.0)

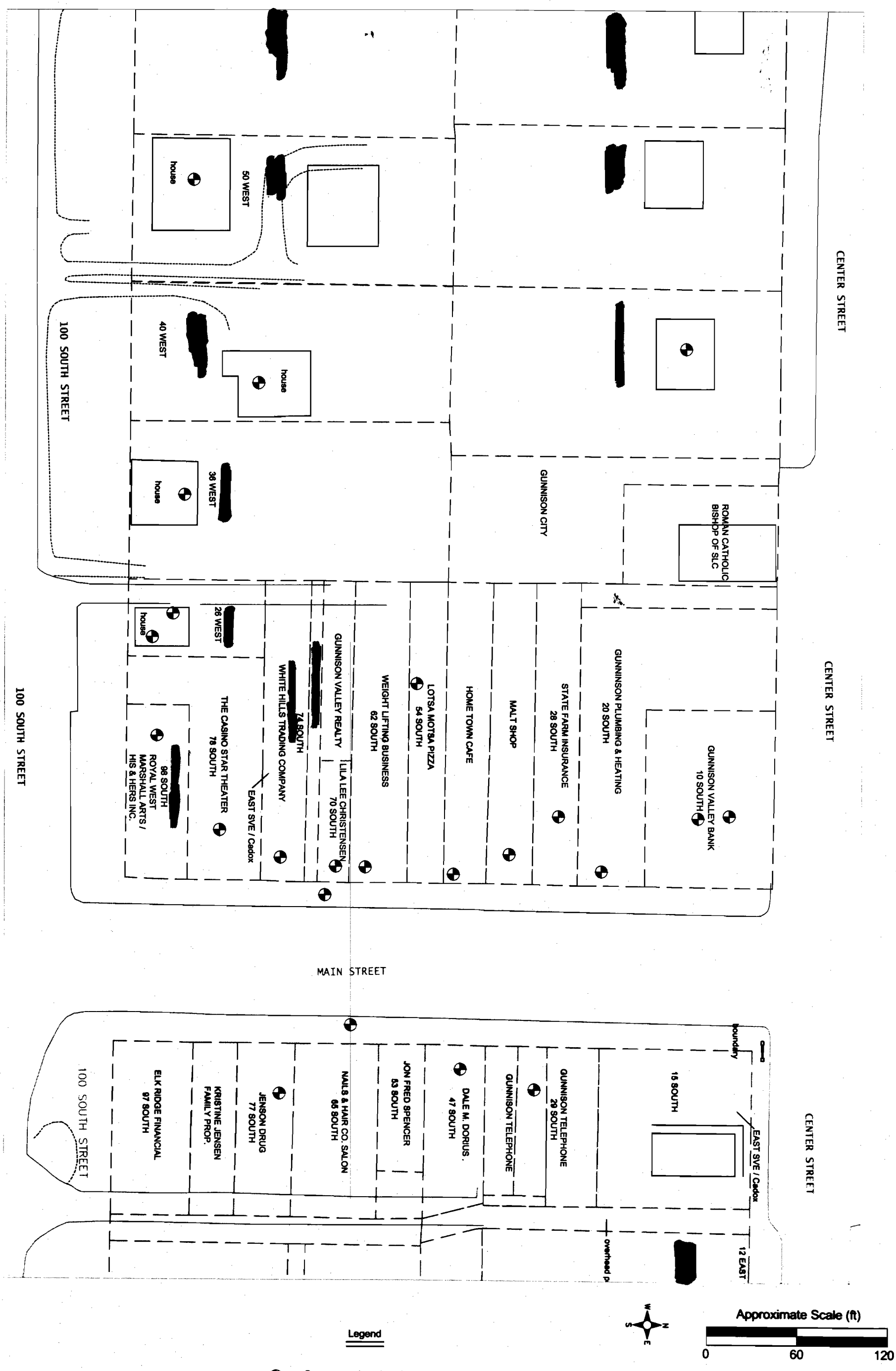
B76 (0.0) B73 (0.0) B74 (0.0) B75 (0.0)

house

B87 (0.0)

B88 (0.0)

NOTE: DATA THROUGH



NOTE: DATA THROUGH DECEMBER 7, 2007

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SUMMA CANISTER LOCATIONS
AREA 1

Gunnison, Utah

PROJECT NO.	DRAWING DATE	FIG. 5
1241-026A	Dec 20, 2007	

100 WEST STREET

100 WEST STREET

200 SOUTH STREET

100 SOUTH STREET

96 WEST

house

garage

GUNNISON POST OFFICE

house

garage

70 WEST

Building

house

60 WEST

house

sidewalk

200 SOUTH STREET

house

39 W. 100 S.

REAL PROTECTIONS INC.

house

house

29 W. 100 S.

GUNNISON VALLEY REAL ESTATE COMPANY

GUNNISON VALLEY REAL ESTATE COMPANY

100 SOUTH STREET

Legend

Summa canister location

N

W

E

S

Approximate Scale (ft)

0 60 120

NOTE: DATA THROUGH DECEMBER 7, 2007

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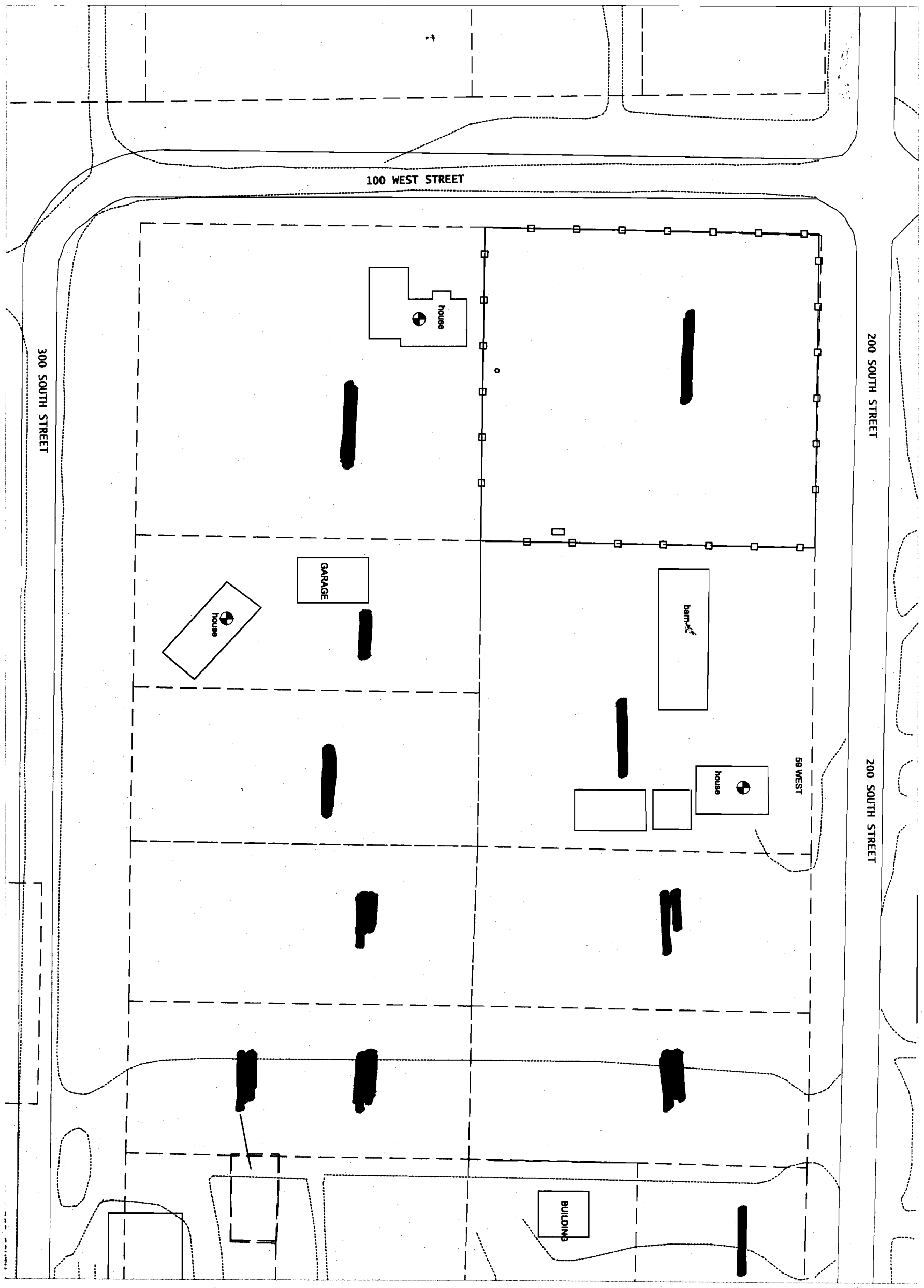
SUMMA CANISTER LOCATIONS
AREA 2

Gunnison, Utah

PROJECT NO.	DRAWING DATE	FIG. 6
1241-026A	Dec 20, 2007	



Legend

Summa canister location

NOTE: DATA THROUGH DECEMBER 7, 2007

Approximate Scale (ft)

0 60 120

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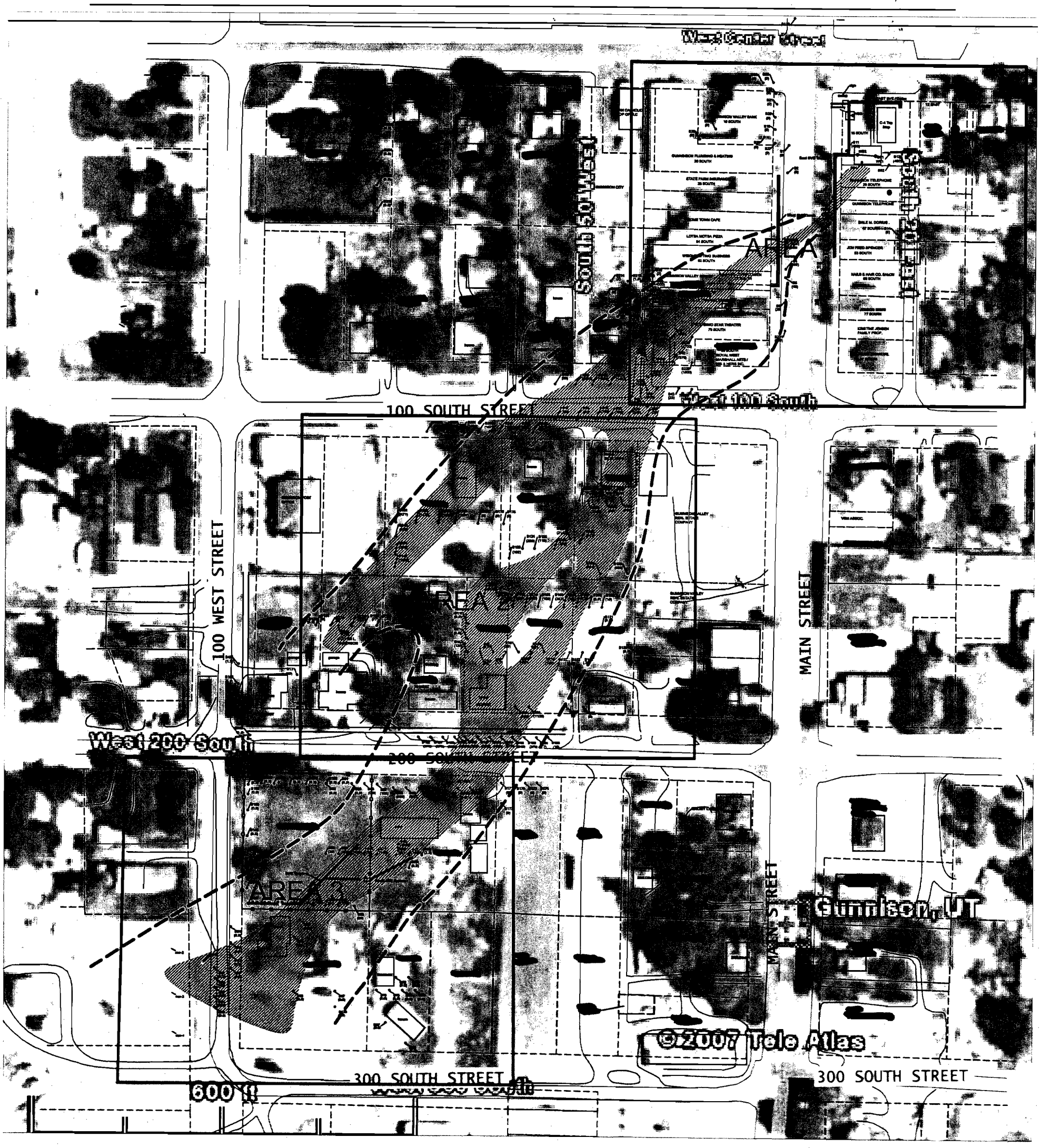
SUMMA CANISTER LOCATIONS
AREA 3

Gunnison, Utah

PROJECT NO.	DRAWING DATE	
1241-026A	Dec 20, 2007	FIG. 7



NOTE: WORK IN PROGRESS; THIS MAP MAY BE MODIFIED BASED ON ADDITIONAL INFORMATION

LEGEND

APPROXIMATE EXTENT OF MAIN MIGRATION PATHWAYS BASED ON PID READINGS AND LITHOLOGY

APPROXIMATE EXTENT OF VAPOR PLUME

N
W E
S

Approximate Scale (ft)

0 150 300

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CONTAMINANT MIGRATION PATHWAYS

Gunnison, Utah

PROJECT NO.	DRAWING DATE	FIG.
1241-026A	Dec. 20, 2007	FIG. 8

Appendix A

Boring Logs

DATE DRILLED:	August 15, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
ASPHALT and BASE		Dense	
Gravely SAND (Fill)	Reddish Brown	Medium Dense	GM
Silty SAND/Gravely SAND	Reddish Brown	Medium Dense	SM
SANDSTONE	Light Gray	Dense	SM
Bottom of Boring = 9'			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5	SS-1	0				

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Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-1

DATE DRILLED:	August 15, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
ASPHALT and BASE										
Silty SAND	Reddish Brown	Medium Dense	SM			0				
(moist soil)				6	SS-2	0				
SANDSTONE	Grayish Brown	Dense	SM							
Refusal at 8'										

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-2

DATE DRILLED:	August 15, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
ASPHALT and BASE										
Silty SAND	Reddish Brown	Medium Dense	SM							
				4	SS-3	505				
				7	SS-3A	396				
Sandy CLAY	Reddish Brown	Stiff	CL							
SANDSTONE	Grayish Brown	Dense	SM							
Bottom of Boring = 9.5'										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

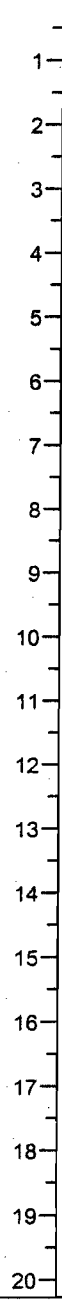
C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-3

DATE DRILLED:	August 15, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
ASPHALT and BASE										
Silty SAND - fine-grained	Reddish Brown	Medium Dense	SM		SS-4	868				
Silty SAND - with gravel, coarse-grained	Grayish Brown	Dense	SM		SS-4A	38				
SANDSTONE	Grayish Brown	Dense	SM							
Refusal on sandstone at 8'										



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Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-4

DATE DRILLED:	August 15, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
ASPHALT and BASE										
Silty SAND	Reddish Brown	Medium Dense	SM	1–2	SS-5	48				
Gravely SAND	Reddish Brown	Dense	SP	3–6						
Silty SAND	Reddish Brown	Medium Dense	SM	7–8		24				
SANDSTONE	Grayish Brown	Dense	SM	9						
Refusal at 9'				10–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-5

DATE DRILLED:	August 15, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
ASPHALT and BASE										
Silty SAND - some gravel	Reddish Brown	Dense	SM	3	SS-6	29				
				7	SS-6A	15				
SANDSTONE	Grayish Brown	Dense	SM							
Refusal at 9'										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-6

DATE DRILLED:	August 15, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
ASPHALT and BASE										
Gravely SAND (Fill)	Grayish Brown	Medium Dense	SP							
Silty SAND	Reddish Brown	Medium Dense	SM		SS-7	0				
					SS-7A	0				
SANDSTONE	Grayish Brown	Dense	SM							
Refusal at 9.5'										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-7

DATE DRILLED:	August 15, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
ASPHALT and BASE			
Silty SAND	Reddish Brown	Medium Dense	SM
SANDSTONE	Grayish Brown	Dense	SM
Refusal at 9'			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
4	SS-8	0				
7	SS-8A	0				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-8

DATE DRILLED:	August 15, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	10'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
ASPHALT and BASE										
Silty SAND	Reddish Brown	Medium Dense	SM	4	SS-9	10				
Sandy SILT - moist	Reddish Brown	Medium Dense		8	SS-9A	19				
SANDSTONE	Grayish Brown	Dense	SM	10						
Refusal at 10'										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-9

DATE DRILLED:	August 15, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
ASPHALT and BASE										
Silty SAND	Reddish Brown	Medium Dense	SM	3	SS-10	26				
				8	SS-10A	42				
SANDSTONE	Grayish Brown	Dense	SM							
Refusal at 9'										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-10

DATE DRILLED:	August 15, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	13'
DEPTH TO GROUNDWATER:	10.05'

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
4" CONCRETE, 1' FILL - Gravely SAND			
Silty SAND	Reddish Brown	Medium Dense	SM
(Strong gasoline smell in groundwater)			
SANDSTONE	Grayish Brown	Dense	SM
Refusal at 13'			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
1						
2						
3						
4		450				
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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Environmental Science and Engineering

BOREHOLE LOG

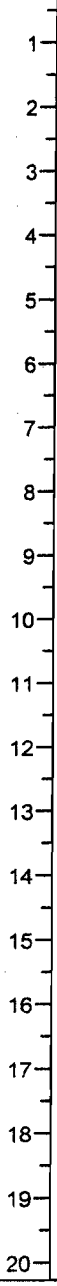
C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-11

DATE DRILLED:	August 17, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
ASPHALT and BASE										
Silty SAND	Reddish Brown	Loose	SM		SS-12	450				
SANDSTONE	Grayish Brown	Dense	SM		SS-12A	400				
Refusal at 9'										



WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-12

DATE DRILLED:	August 17, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
ASPHALT and BASE			
Silty SAND	Reddish Brown	Medium Dense	SM
Gravely SAND	Reddish Brown	Dense	SM
SANDSTONE	Grayish Brown	Dense	SM
Refusal at 9'			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
3	SS-13	9				
6	SS-13A	3				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-13

DATE DRILLED:	August 17, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Gravely SAND (Fill)	Grayish Brown	Medium Dense	GM	1						
				2						
Silty SAND	Reddish Brown	Medium Dense	SM	3						
				4	SS-14	6				
				5						
				6						
				7	SS-14A	3				
				8						
SANDSTONE	Grayish Brown	Dense	SM	9						
Refusal at 9.5'				10						
				11						
				12						
				13						
				14						
				15						
				16						
				17						
				18						
				19						
				20						

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Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-14

DATE DRILLED:	August 17, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	12'
DEPTH TO GROUNDWATER:	10'

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
SIDEWALK			
Silty SAND	Reddish Brown	Medium Dense	SM
Sandy SILT (free product in water)	Reddish Brown	Medium Dense	ML
SANDSTONE	Grayish Brown	Dense	SM
Refusal at 12'			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5	SS-15	122				
11	SS-15A	968				

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Environmental Science and Engineering

BOREHOLE LOG

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Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-15

DATE DRILLED:	August 17, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	13'
DEPTH TO GROUNDWATER:	11'

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
SIDEWALK										
Silty SAND	Reddish Brown	Medium Dense	SM	1						
				2						
				3						
				4						
				5	SS-16	22				
				6						
				7						
Sandy SILT	Reddish Brown	Medium Dense	ML	8						
				9						
				10						
(Free product in water)				11						
				12	SS-16A	1680				
SANDSTONE	Grayish Brown	Dense	SM	13						
Refusal at 13'				14						
				15						
				16						
				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-16

DATE DRILLED:	August 17, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
SIDEWALK			
Silty SAND	Reddish Brown	Medium Dense	SM
SANDSTONE	Grayish Brown	Dense	SM
Refusal at 9'			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
4	SS-17	32				
8	SS-17A	60				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-17

DATE DRILLED:	October 23, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
ASPHALT PAVEMENT AND BASE										
Clayey SILT Moist	Reddish Brown	Medium Dense	ML	1 2 3 4 5 6	X	0				
Silty SAND	Light Gray	Medium Dense		7 8	X	0				
Refusal at 8.5'				9 10 11 12 13 14 15 16 17 18 19 20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1251-026A | ***BOREHOLE NO.:*** B-18

DATE DRILLED:	October 23, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
ASPHALT AND BASE										
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4	X	0				
Silty SAND	Light Gray	Medium Dense	SM	7–8	X	0				
Refusal at 8'				8						

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-19

DATE DRILLED:	October 23, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
ASPHALT AND BASE										
Sandy SILT	Reddish Brown	Medium Dense	ML	1–7	X	0				
Silty SAND	Light Gray	Medium Dense	SM	8	X	0				
Refusal at 8'				9–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-20

DATE DRILLED:	October 23, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
ASPHALT AND BASE			
Sandy SILT	Reddish Brown	Medium Dense	ML
Silty SAND	Light Gray	Medium Dense	SM
Refusal at 8'			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
1						
2						
3						
4	X	0				
5						
6						
7						
8	X	0				
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-21

DATE DRILLED:	October 23, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
ASPHALT AND BASE			
Sandy SILT	Reddish Brown	Medium Dense	ML
Silty SAND	Light Gray	Medium Dense	SM
Refusal at 8'			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
1						
2						
3						
4	X	0				
5						
6						
7						
8	X	0				
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-22

DATE DRILLED:	October 23, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
ASPHALT AND BASE										
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4	X	0				
Silty SAND	Light Gray	Medium Dense	SM	5–8	X	0				
Refusal at 8'				9–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-23

DATE DRILLED:	October 23, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
ASPHALT AND BASE			
Santy SILT	Reddish Brown	Medium Dense	ML
Silty SAND	Light Gray	Medium Dense	SM
Refusal at 8'			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
1						
2						
3						
4	X	0				
5						
6						
7						
8	X	0				
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-24

DATE DRILLED:	October 23, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
ASPHALT AND BASE										
Sandy SILT	Reddish Brown	Medium Dense	ML	1–7	X	0				
Silty SAND	Light Gray	Medium Dense	SM	7–8	X	0				
Refusal at 8'				8–20						

DESCRIPTION AND CLASSIFICATION

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-25

DATE DRILLED:	October 23, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
ASPHALT AND BASE			
Sandy SILT	Reddish Brown	Medium Dense	ML
Silty SAND	Light Gray	Medium Dense	SM
Refusal at 8'			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
4	X	0				
8	X	0				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-26

DATE DRILLED:	October 23, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
ASPHALT AND BASE			
Sandy SILT	Reddish Brown	Medium Dense	ML
Silty SAND	Light Gray	Medium Dense	SM
Refusal at 8'			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
1						
2						
3						
4	X	0				
5						
6						
7						
8	X	0				
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

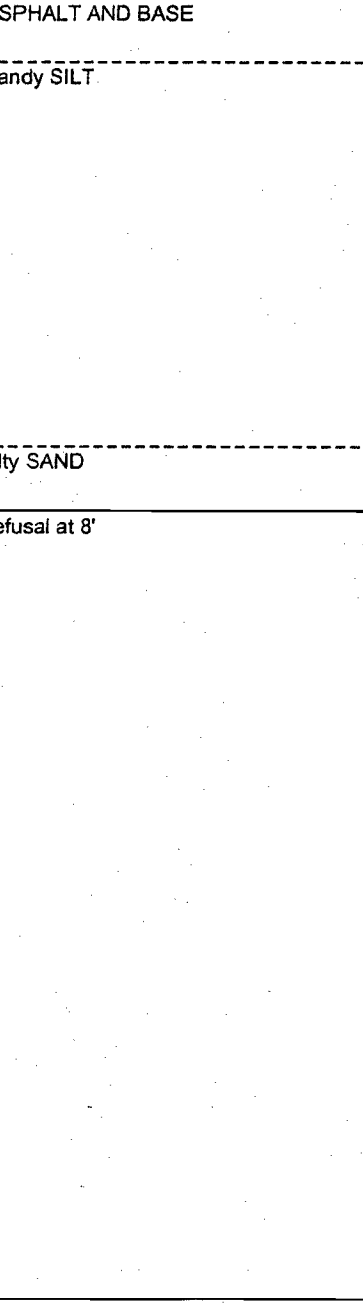
C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-27

DATE DRILLED:	October 23, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
ASPHALT AND BASE										
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4	X	0				
Silty SAND	Light Gray	Medium Dense	SM	7–8	X	0				
Refusal at 8'										



WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-28

DATE DRILLED:	October 23, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
ASPHALT AND BASE			
Sandy SILT	Reddish Brown	Medium Dense	ML
Silty SAND	Light Gray	Medium Dense	SM
Refusal at 8'			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
1						
2						
3						
4	X	0				
5						
6						
7						
8	X	0				
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

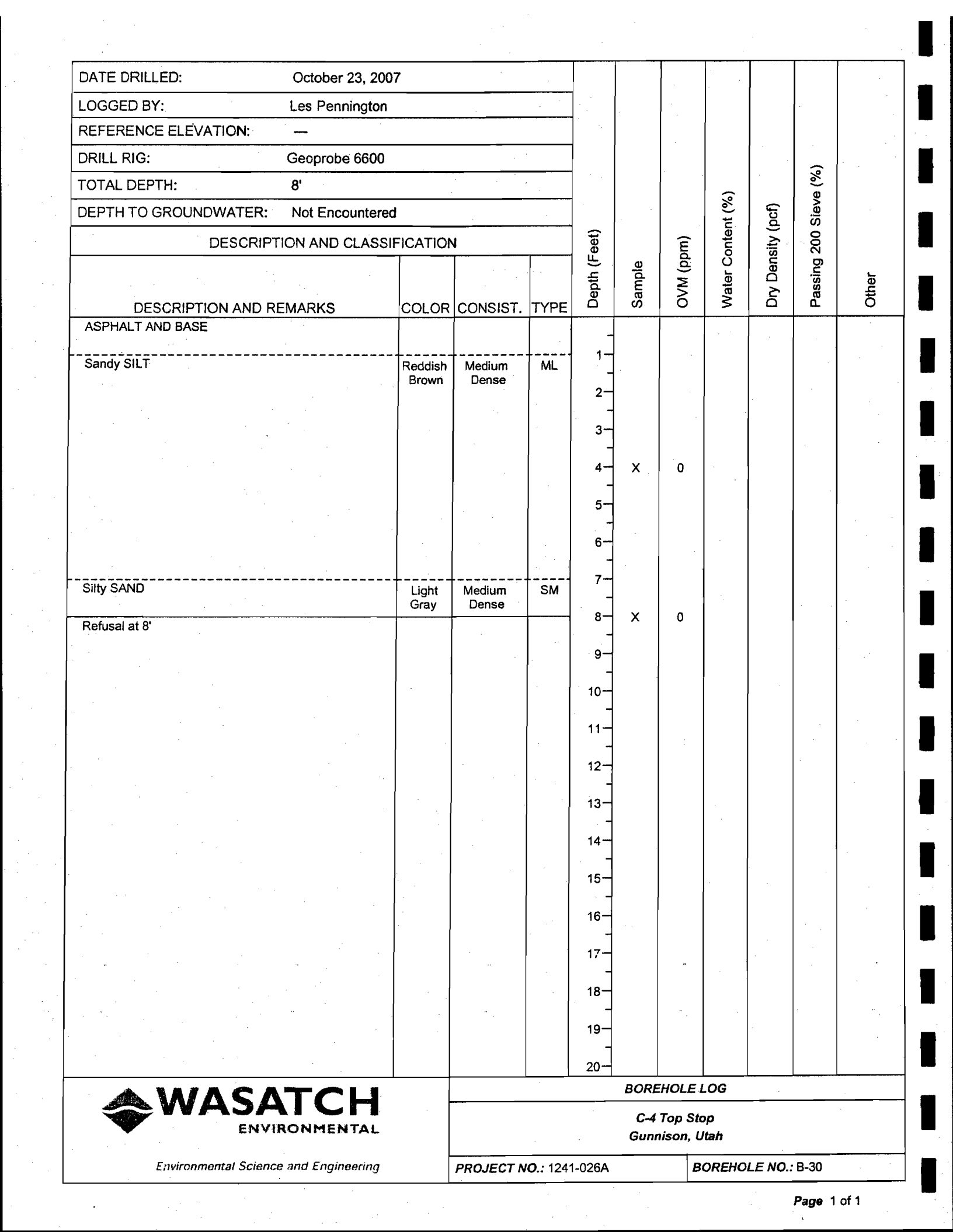
BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-29

DATE DRILLED:	October 23, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
ASPHALT AND BASE										
Sandy SILT	Reddish Brown	Medium Dense	ML		X	0				
Silty SAND	Light Gray	Medium Dense	SM		X	0				
Refusal at 8'										



WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-30

DATE DRILLED:	October 23, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
ASPHALT AND BASE										
Sandy SILT	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4	X	0				
				5						
				6						
Silty SAND	Light Gray	Medium Dense	SM	7						
Refusal at 8'				8	X	0				
				9						
				10						
				11						
				12						
				13						
				14						
				15						
				16						
				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-31

DATE DRILLED:	October 23, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
ASPHALT AND BASE										
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4	X	0				
Silty SAND	Light Gray	Medium Dense	SM	7–8	X	0				
Refusal at 8'				8–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-32

DATE DRILLED:	October 23, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
ASPHALT AND BASE										
Silty SAND - fine-grained Moist	Reddish Brown	Medium Dense	SM	1 2 3 4 5 6 7 8 9	X X	26 162				
Refusal at 9.5'				10 11 12 13 14 15 16 17 18 19 20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-33

DATE DRILLED:	October 23, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	10'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
ASPHALT AND BASE			
Silty SAND	Reddish Brown	Medium Dense	SM
Refusal at 10'			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
4	X	24				
8	X	348				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-34

DATE DRILLED:	October 23, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
ASPHALT AND BASE										
Silty SAND	Reddish Brown	Medium Dense	SM	1						
				2						
				3						
				4	X	28				
				5						
				6						
				7	X	29				
				8						
Refusal at 8.5'				9						
				10						
				11						
				12						
				13						
				14						
				15						
				16						
				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-35

DATE DRILLED:	October 31, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Silty SAND	Reddish Brown	Medium Dense	SM
Refusal at 9.5'			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
1						
2						
3						
4		0				
5						
6						
7						
8		21				
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-36

DATE DRILLED:	October 31, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty SAND	Reddish Brown	Medium Dense	SM	1						
				2						
				3						
				4	X	2				
				5						
				6						
				7						
				8	X	6				
Refusal at 9'				9						
				10						
				11						
				12						
				13						
				14						
				15						
				16						
				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-37

DATE DRILLED:	October 31, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	18'
DEPTH TO GROUNDWATER:	13'3"

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
Silty SAND	Reddish Brown	Medium Dense	SM	1						
				2						
				3						
				4	X	0				
				5						
				6						
				7						
				8	X	0				
				9						
				10						
				11						
				12	X	4000				
				13						
				14						
				15						
				16						
				17						
Refusal at 18'				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-38

DATE DRILLED:	October 31, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	18'
DEPTH TO GROUNDWATER:	Not Determined

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
ASPHALT AND BASE										
Silty SAND	Reddish Brown	Medium Dense	SM	1						
				2						
				3						
				4	X	0				
				5						
				6						
				7						
				8						
				9	X	0				
				10						
				11						
				12						
				13						
				14						
				15	X	2				
				16						
				17						
				18	X	0				
Refusal at 18'				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-39

DATE DRILLED:	October 31, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	18'
DEPTH TO GROUNDWATER:	Not Determined

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty SAND	Reddish Brown	Medium Dense	SM	1						
				2						
				3						
				4	X	4				
				5						
				6						
				7						
				8						
				9						
				10						
				11						
				12	X	2800				
				13						
				14						
				15	X	1660				
				16						
				17						
Refusal at 18'				18	X	180				
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-40

DATE DRILLED:	October 31, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	19'
DEPTH TO GROUNDWATER:	Not Determined

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty SAND	Reddish Brown	Medium Dense	SM	1						
				2						
				3						
				4	X	114				
				5						
				6						
				7						
				8						
				9	X	417				
				10						
				11						
				12						
				13						
				14						
				15	X	2300				
				16						
				17						
				18	X	770				
				19						
Refusal at 19'				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-41

DATE DRILLED:	October 31, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14.5'
DEPTH TO GROUNDWATER:	Not Determined

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty SAND	Reddish Brown	Medium Dense	SM	4	X	6				
				10	X	590				
				13	X	1570				
Refusal at 14.5'				14						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-42

DATE DRILLED:	October 31, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
ASPHALT AND BASE										
Silty SAND	Reddish Brown	Medium Dense	SM	1						
				2						
				3						
				4	X	1.6				
				5						
				6						
				7						
				8	X	22				
Refusal at 8.5'				9						
				10						
				11						
				12						
				13						
				14						
				15						
				16						
				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-43

DATE DRILLED:	October 31, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
ASPHALT AND BASE										
Silty SAND	Reddish Brown	Medium Dense	SM	1						
				2						
				3						
				4	X					
				5						
				6						
				7						
				8						
				9						
				10	X	26				
				11						
				12						
				13						
				14	X	4000				
Refusal at 14.5'				15						
				16						
				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-44

DATE DRILLED:	October 31, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
ASPHALT AND BASE										
Silty SAND	Reddish Brown	Medium Dense	SM	1						
				2						
				3						
				4	X	86				
				5						
				6						
				7						
				8						
				9	X	176				
Refusal at 9.5'				10						
				11						
				12						
				13						
				14						
				15						
				16						
				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-45

DATE DRILLED:	October 31, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
ASPHALT AND BASE										
Silty SAND	Reddish Brown	Medium Dense	SM	1						
				2						
				3						
				4						
				5						
				6						
				7						
				8						
				9						
				10	X	36				
				11						
				12						
				13						
				14	X	90				
Refusal at 14.5'				15						
				16						
				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-46

DATE DRILLED:	October 31, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
ASPHALT AND BASE										
Silty SAND	Reddish Brown	Medium Dense	SM	1						
				2						
				3						
				4	X	0				
				5						
				6						
				7						
				8						
				9						
				10	X	6				
				11						
				12						
				13						
				14						
				15	X	30				
Refusal at 15'				16						
				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-47

DATE DRILLED:	October 31, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
ASPHALT AND BASE										
Silty SAND	Reddish Brown	Medium Dense	SM	1–14						
				10	X	10				
Refusal at 15'				15		3590				
				16–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-48

DATE DRILLED:	October 31, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	10'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Silty SAND			
Refusal at 10'			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
4	X	3				
9	X	56				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-49

DATE DRILLED:	November 7, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	10'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
Silty SAND	Reddish Brown	Medium Dense	SM	1–20		0				
Refusal at 10'						0				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-50

DATE DRILLED:	November 7, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	11'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Silty SAND	Reddish Brown	Medium Dense	SM
Refusal at 11'			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
1						
2						
3						
4		0				
5						
6						
7						
8						
9						
10		0				
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-51

DATE DRILLED:	November 7, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	11'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
Silty SAND	Reddish Brown	Medium Dense	SM	1 2 3 4 5 6 7 8 9 10		0 0				
Refusal at 11'				11 12 13 14 15 16 17 18 19 20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-52

DATE DRILLED:	November 7, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Silty SAND	Reddish Brown	Medium Dense	SM
Refusal at 14.5'			
PID: 250 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
1						
2						
3		0				
4						
5						
6						
7						
8						
9						
10		25				
11						
12						
13						
14		36				
15						
16						
17						
18						
19						
20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-53

DATE DRILLED:	November 7, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Silty SAND	Reddish Brown	Medium Dense	SM
Sandy CLAY	Reddish Brown	Stiff	CL
Refusal at 14'			
PID: 140 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
1						
2						
3						
4		0				
5						
6						
7						
8						
9		9				
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-54

DATE DRILLED:	November 7, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	13.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty SAND	Reddish Brown	Medium Dense	SM	1–20		6				
Sandy CLAY	Reddish Brown	Stiff	CL	10–13		27, 105				
Refusal at 13.5'				13						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-55

DATE DRILLED:	November 7, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty SAND	Reddish Brown	Medium Dense	SM	1–20		2				
Sandy CLAY	Reddish Brown	Stiff	CL			70				
Refusal at 14'						84				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-56

DATE DRILLED:	November 7, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Silty SAND	Reddish Brown	Medium Dense	SM
Sandy CLAY	Reddish Brown	Stiff	CL
Refusal at 14'			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5		10				
10		46				
14		333				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-57

DATE DRILLED:	November 7, 2007
LOGGED BY:	Les Pennington
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Silty SAND	Reddish Brown	Medium Dense	SM
Refusal at 14'			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5		10				
10		50				
12		27				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-58

DATE DRILLED:	November 9, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty SILT	Reddish Brown	Medium Dense	ML	1–20		.5				
Silty CLAY	Reddish Brown	Dense	CL			4.1				
Refusal at 14'						21.0				
PID: 279 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-59

DATE DRILLED:	November 9, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	13'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - slightly moist	Reddish Brown	Medium Dense	ML	1–5	X	0.0				
Silty CLAY Wet	Reddish Brown	Dense	CL	6–10	X	83				
Refusal at 13' PID: 50 ppm (in hole)				11–13	X	67				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-61

DATE DRILLED:	November 9, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–20						
				5	X	0.0				
Silty CLAY	Reddish Brown	Medium Dense	CL							
				10	X	0.0				
Wet				14	X	16.0				
Refusal at 14.5'										
PID: 30 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-62

DATE DRILLED:	November 9, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14.75
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
Sandy SILT - moist	Reddish Brown	Medium Dense	ML	1–4						
				5	X	0.0				
				6–9						
Silty CLAY	Reddish Brown	Dense	CL	10	X	0.0				
				11–14						
Wet										
Refusal at 14.75'				15	X	0.0				
				16–20						
PID: 0.0 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-63

DATE DRILLED:	November 9, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14.5
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy Silt - moist	Reddish Brown	Medium Dense	ML
Silty CLAY	Reddish Brown	Medium Dense	CL
Very moist		Dense	
Refusal at 14.5'			
PID: 0.0 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5	X	0.0				
10	X	0.0				
14	X	0.0				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-64

DATE DRILLED:	November 9, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT - slightly moist	Reddish Brown	Medium Dense	ML
Silty CLAY Moist	Reddish Brown	Medium Dense	CL
Refusal at 9.5'			
PID: 0.0 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5	X	0.0				
9	X	0.0				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-65

DATE DRILLED:	November 9, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	12.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - moist	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	0.0				
				6						
				7						
				8						
				9						
				10	X	0.0				
Silty CLAY	Reddish Brown	Dense	CL	11						
				12						
				13	X	0.0				
Refusal at 12.5'				14						
				15						
				16						
				17						
PID: 0.0 ppm (in hole)				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-66

DATE DRILLED:	November 9, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - moist	Reddish Brown	Medium Dense	ML	1–5	X	0.0				
Sandy SILT and gravel	Reddish Brown	Medium Dense	GM	5–9	X	0.0				
Refusal at 9.5 PID: 105 ppm (in hole) - spike Consistent at 90 - 100 ppm				9–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-67

DATE DRILLED:	November 9, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	5	X	0.1				
Silty SAND and gravel	Reddish Brown	Medium Dense	GM	9	X	9.2				
		Dense		15	X	219				
Refusal at 15'										
PID: 839 ppm (in hole) @ 9.5' 950 ppm @ 15'										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-68

DATE DRILLED:	November 9, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
Sandy SILT - some gravel	Reddish Brown	Medium Dense	ML	1–4						
				5	X	0.0				
Sandy SILT	Reddish Brown	Medium Dense	ML	6–9						
Silty SAND and gravel	Reddish Brown	Medium Dense	GM	10	X	0.8				
				11–14						
Refusal at 15'				15	X					
PID: 600 ppm (in hole)				16–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-69

DATE DRILLED:	November 9, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty SAND - some gravel	Reddish Brown	Medium Dense	GM	1–4						
Sandy SILT - moist	Reddish Brown	Medium Dense	ML	5	X	0.0				
				6–9						
				10	X	35.2				
Moist				11–12						
Silty SAND and gravel	Reddish Brown	Medium Dense	GM	13–14						
Refusal at 15'				15–20						
PID: 110 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-70

DATE DRILLED:	November 9, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	5	X	0.0				
Silty CLAY	Reddish Brown	Medium Dense	CL	10	X	10				
Refusal at 15'				15	X	38				
PID: 145 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-71

DATE DRILLED:	November 9, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4						
				5	X	15				
				6–9						
Silty CLAY	Reddish Brown	Medium Dense	CL	10	X	42				
				11–14						
Refusal at 15'				15	X	400				
PID: 1830 ppm (in hole)				16–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-72

DATE DRILLED:	November 12, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–2						
Silty SAND and gravel	Light Brown	Dense	GM	3–4						
				5	X	0.0				
				6–8						
Very moist				9	X	0.0				
Refusal at 9.5'				10–20						
PID: 0.0 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-73

DATE DRILLED:	November 12, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT	Reddish Brown	Medium Dense	ML
Silty SAND and gravel Very moist	Light Brown	Medium Dense	GM
Refusal at 9' PID: 0.0 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5	X	0.0				
9	X	0.0				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-74

DATE DRILLED:	November 12, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1						
Silty SAND and gravel	Light Brown	Medium Dense	GM	2						
				3						
				4						
				5	X	0.0				
				6						
				7						
				8						
Wet				9						
					X	0.0				
Refusal at 9.5'				10						
				11						
				12						
				13						
				14						
				15						
				16						
PID: 0.0 ppm (in hole)				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-75

DATE DRILLED:	November 12, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4						
Silty SAND and gravel	Light Brown	Dense	GM	5	X	0.0				
				6–7						
Refusal at 8'				8	X	0.0				
				9–20						

PID: 0.0 ppm (in hole)

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-76

DATE DRILLED:	November 12, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - moist	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	0.0				
Silty CLAY	Reddish Brown	Medium Dense	CL	6						
				7						
				8						
				9						
Wet - saturated				10	X	0.0				
				11						
				12						
				13						
Wet				14						
Refusal at 14.5'				15	X	0.0				
				16						
PID: 0.0 ppm (in hole)				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-77

DATE DRILLED:	November 12, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	10'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–5						
				5	X	0.0				
Silty Clay Saturated	Reddish Brown	Medium Dense	CL	6–9						
				10	X	55				
Refusal at 10' PID: 2.3 ppm (in hole)				11–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-78

DATE DRILLED:	November 12, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	10'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–5	X	0.0				
Silty CLAY Wet	Reddish Brown	Medium Dense	CL	6–9						
Refusal at 10' PID: 1000 ppm (in hole)				10	X	53				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-79

DATE DRILLED:	November 12, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	10'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4						
Silty CLAY	Reddish Brown	Medium Dense	CL	5	X	0.0				
				6–9						
Refusal at 10'				10	X	7.0				
				11–20						
PID: 61 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-80

DATE DRILLED:	November 12, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
ROADBASE - Gravel										
Sandy SILT - moist	Reddish Brown	Medium Dense	ML	1–5	X	0.0				
Silty SAND and gravel	Brown	Medium Dense	GM	6–7						
SAND - poorly sorted	Brown	Medium Dense	SP	8–9	X	0.0				
Refusal at 9.5'				10–20						
PID: 0.0 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-82

DATE DRILLED:	November 12, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
ROADBASE	Light Brown	Dense								
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4						
Silty SAND and gravel	Light Brown	Dense	GW	5–8	X	0.0				
SAND - poorly sorted	Light Brown	Dense	SP	9	X	9.0				
Refusal at 9.5'				10–20						
PID: 43.0 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-83

DATE DRILLED:	November 12, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
ROADBASE - gravel										
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4						
Silty SAND and gravel	Light Brown	Dense	GM	5	X	0.0				
Very moist				6–8						
				9	X	0.0				
Refusal at 9.5'				10–20						
PID: 0.0 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-84

DATE DRILLED:	November 12, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	13'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1-4						
Silty CLAY	Reddish Brown	Medium Dense	CL	5	X	0.0				
				6-9						
				10	X	0.0				
Silty SAND and gravel - wet	Reddish Brown	Dense	GM	11-12						
Refusal at 13'				13	X	2300				
PID: 400 ppm (in hole)				14-20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-85

DATE DRILLED:	November 12, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4						
Silty SAND and gravel	Reddish Brown	Dense	GM	5	X	0.0				
				6–8						
Refusal at 9'				9	X	13				
				10–20						

PID: 19.0 ppm (in hole)

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-86

DATE DRILLED:	November 12, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Light Reddish Brown	Medium Dense	ML	1–3						
Silty SAND and gravel	Light Reddish Brown	Medium Dense	GW	4–8	X	0.0				
Refusal at 9'				9	X	0.0				
PID: 0.0 ppm (in hole)				10–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-87

DATE DRILLED:	November 12, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–2						
Silty SAND and gravel	Light Reddish Brown	Dense	GL	3–4						
				5	X	0.0				
				6–8						
				9						
Refusal at 9.5'					X	0.0				
				10–20						

PID: 0.0 ppm (in hole)

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-88

DATE DRILLED:	November 12, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT	Reddish Brown	Medium Dense	ML
Silty CLAY	Reddish Brown	Medium Dense	CL
Silty SAND and gravel Wet	Light Brown	Dense	GM
Refusal at 9.5'			
PID: 0.0 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5	X	0.0				
9	X	0.0				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-89

DATE DRILLED:	November 12, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9.5'
DEPTH TO GROUNDWATER:	Not Encounterred

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4						
Silty CLAY	Reddish Brown	Medium Dense	CL	5–6	X	0.0				
Silty SAND and gravel	Reddish Brown	Dense	GM	7–8						
Silty SAND	Reddish Brown	Medium Dense	SM	9						
Gravely SAND - poorly sorted, wet	Light Brown	Dense	SP	9	X	0.0				
Refusal at 9.5'				10–20						
PID: 0.0 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-90

DATE DRILLED:	November 13, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	10'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
ASPHALT ROADBASE				1						
Sandy SILT	Reddish Brown	Medium Dense	ML	2 3 4 5	X	0.0				
Silty CLAY	Reddish Brown	Medium Dense	CL	6						
Silty SAND and gravel	Reddish Brown	Dense	GM	7 8 9						
Refusal at 10' PID: 0.0 ppm (in hole)				10 11 12 13 14 15 16 17 18 19 20	X	0.0				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-91

DATE DRILLED:	November 13, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Brown	Medium Dense	ML	1–2						
Silty CLAY	Reddish Brown	Medium Dense	CL	3–4						
Silty SAND and gravel	Reddish Brown Gray	Dense	GM	5	X	0.0				
				6						
Refusal at 7'				7	X	0.0				
				8–20						

PID: 13 ppm (in hole)

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-92

DATE DRILLED:	November 13, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–3						
Silty CLAY	Reddish Brown	Medium Dense	CL	4						
Silty SAND and gravel	Reddish Brown	Dense	GM	5	X	0.0				
				6–7						
Refusal at 7.5'					X	0.0				
				8–20						

PID: 0.0 ppm (in hole)

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-93

DATE DRILLED:	November 13, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4						
Silty CLAY - wet	Reddish Brown	Medium Dense	CL	4						
Silty SAND and gravel Moist	Light Yellow Brown	Dense	GM	5 7	X X	0.0 0.0				
Refusal at 7.5'				8–20						
PID: 0.0 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-94

DATE DRILLED:	November 13, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT	Medium Brown	Medium Dense	ML
Silty SAND and gravel Moist	Light Brown	Medium Dense	GM
Silty SAND with gravel			SM
Refusal at 5'			
PID: 0.0 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
1						
2						
3						
4						
5	X	0.0				
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

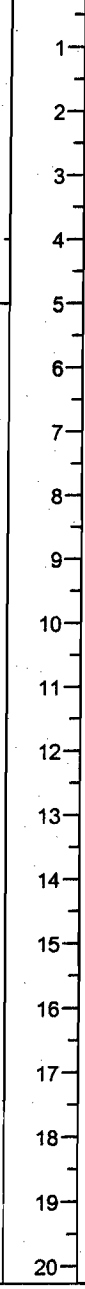
BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-95

DATE DRILLED:	November 13, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
Silty SAND and gravel - moist	Reddish Brown	Dense	GM	5	X	0.0				
Refusal at 5'										
No PID reading in hole										



WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-96

DATE DRILLED:	November 13, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
Silty SAND and gravel - moist	Reddish Brown	Dense	GM	5	X	0.0				
Refusal at 5'										
No PID reading in hole										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-97

DATE DRILLED:	November 14, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	10'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry	Reddish Brown	Medium Dense	SM	1–4						
				5	X	0.5				
Sandy SILT - moist	Reddish Brown	Medium Dense	SM	6–7						
				8	X	0.4				
Silty SAND - some gravel	Reddish Brown	Medium Dense	SM	9						
				10	X	0.3				
Refusal at 10'				11–20						
PID: 1.7 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-98

DATE DRILLED:	November 14, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	0.3				
				6						
Moist				7						
Silty SAND and gravel	Reddish Brown	Medium Dense	GM	8	X	0.4				
Refusal at 8'				9						
				10						
				11						
				12						
				13						
				14						
				15						
				16						
PID: 6.6 ppm (in hole)				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-99

DATE DRILLED:	November 14, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	10'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty SAND - some gravel, dry	Reddish Brown	Medium Dense	SM	1–4						
Silty SAND and gravel	Reddish Brown	Medium Dense	GM	5	X	0.4				
Moist				6–9						
Refusal at 10'				10	X	2.0				
PID: 80 ppm (in hole)				11–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-100

DATE DRILLED:	November 14, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	10'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–20	X	0.1				
Sandy SILT - some gravel Moist	Reddish Brown	Medium Dense	ML							
Refusal at 10'					X	1.5				
PID: 39 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-101

DATE DRILLED:	November 14, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	12.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4						
Silty SAND - some gravel	Reddish Brown	Medium Dense	SM	5	X	3.8				
Silty SAND and gravel	Reddish Brown	Medium Dense	GM	6–9						
Sandy SILT	Reddish Brown	Medium Dense	ML	10	X	75				
Refusal at 12.5'				12	X	14				
PID: 130 ppm (in hole) Spiked at 190 ppm				13–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-102

DATE DRILLED:	November 14, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	10'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4						
				5	X	18				
Silty SAND and gravel	Reddish Brown	Medium Dense	GM	6–7						
Sandy SILT	Reddish Brown	Medium Dense	ML	8–9						
				10	X	12				
Refusal at 10'				11–16						
PID: 100 ppm (in hole) Spiked at 144 ppm				17–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-103

DATE DRILLED:	November 15, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	10'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
Silty SAND and gravel	Reddish Brown	Medium Dense	GM	1						
				2						
				3						
				4						
				5	X	0.2				
				6						
				7						
				8						
Moist				9						
Refusal at 10'				10	X	1.1				
				11						
				12						
				13						
				14						
				15						
				16						
PID: 90 ppm (in hole)				17						
120 ppm peak spike				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-104

DATE DRILLED:	November 15, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	6.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty SAND and gravel	Reddish Brown	Medium Dense	GM	1						
				2						
				3						
				4						
				5	X	0.3				
Moist				6						
					X	5				
Refusal at 6.5'				7						
				8						
				9						
				10						
				11						
				12						
				13						
				14						
				15						
				16						
PID: 16 ppm (in hole)				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-105

DATE DRILLED:	November 15, 2006
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4						
Silty SAND and gravel Moist	Reddish Brown	Dense	GM	5–7	X	0.0				
Refusal at 7.5'				8–20						
PID: 0.0 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-106

DATE DRILLED:	November 15, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty SAND and gravel Moist	Reddish Brown	Dense	GM	1–4						
Refusal at 5'				5	X	0.0				
				6–20						
PID: 1.2 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-107

DATE DRILLED:	November 15, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	10'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	4				
				6						
Silty SAND - moist			SM	7						
				8						
				9						
Refusal at 10'				10	X	19				
				11						
				12						
				13						
				14						
				15						
				16						
PID: 160 ppm (in hole)				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-108

DATE DRILLED:	November 15, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	10'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–5	X	6.6				
Silty SAND and gravel	Reddish Brown	Medium Dense	GM	6–7						
Sandy SILT Moist	Reddish Brown	Medium Dense	SM	8–10	X	60				Peak 78 ppm
Refusal at 10'				11–20						
PID: Hole collapsed - no reading obtained (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-109

DATE DRILLED:	November 15, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	6.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	7				
Moist				6						
					X	1.5				
Refusal at 6.5'				7						
				8						
				9						
				10						
				11						
				12						
				13						
				14						
				15						
				16						
PID: 150 ppm (in hole) 168 peak				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-110

DATE DRILLED:	November 15, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	0.0				
				6						
Moist				7						
					X	0.8				
Refusal at 7.5'				8						
				9						
				10						
				11						
				12						
				13						
				14						
				15						
				16						
PID: 90 ppm (in hole) 111 ppm peak				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-111

DATE DRILLED:	November 15, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT Moist	Reddish Brown	Medium Dense	ML	1 2 3 4						
Refusal at 5'				5 6 7 8 9 10 11 12 13 14 15 16	X	0.0				
PID: 9 ppm (in hole)				17 18 19 20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-112

DATE DRILLED:	November 15, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty SAND	Reddish Brown	Medium Dense	ML	1–4						
Silty SAND and gravel Moist	Reddish Brown	Dense	GM	5–6	X	0.0				
				7	X	0.0				
Refusal at 7.5'				8–20						
PID: 0.3 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-113

DATE DRILLED:	November 15, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty SAND and gravel	Reddish Brown	Medium Dense	GM	1–4						
				5	X	10				
Silty SAND with large cobbles and boulders Moist	Reddish Brown	Medium Dense	GM	6						
				7	X	53				
Refusal at 7.5'				8–20						
PID: 500 ppm (in hole) Spike at 620 ppm										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-114

DATE DRILLED:	November 15, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty SAND - some gravel	Reddish Brown	Medium Dense	SM	1–5	X	31				
Silty SAND and gravel Moist	Reddish Brown	Dense	GM	6–7	X	15				
Refusal at 7.5'				8–20						
PID: 415 ppm (in hole) Spike at 560 ppm										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-115

DATE DRILLED:	November 15, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe; 6600
TOTAL DEPTH:	7'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–3						
Silty SAND and gravel	Reddish Brown	Dense	GM	4–5	X	9				
Sandy SILT Moist	Reddish Brown	Medium Dense	ML	6–7	X	4				
Refusal at 7'				8–20						

PID: 800 ppm (in hole)
Spike at 856 ppm

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-116

DATE DRILLED:	November 15, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4						
Silty SAND and gravel	Reddish Brown	Dense	GM	5	X	7				
Moist				7	X	17				
Refusal at 7.5'				8						
PID: 700 ppm (in hole) Peaked at 741 ppm				9–20						

DESCRIPTION AND CLASSIFICATION

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-117

DATE DRILLED:	November 15, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	8'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
Sandy SILT	Brown	Medium Dense	ML	1						
Silty SAND with gravel	Reddish Brown	Medium Dense	GM	2						
				3						
				4						
				5	X	2				
				6						
Moist				7						
Refusal at 8'				8	X	18				
				9						
				10						
				11						
				12						
				13						
				14						
				15						
				16						
PID: 650 ppm (in hole) Peak at 700 ppm				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-118

DATE DRILLED:	November 16, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	10'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4						
Silty SAND - with large cobbles and boulders	Reddish Brown	Dense		4–5	X	1.0				
Refusal at 4.5' - continued with auger Sandy SILT	Reddish Brown	Medium Dense	ML	5–9						
Silty SAND with gravel - moist	Reddish Brown	Dense	GM	9–10	X	1.0				
Refusal at 10'				10–20						
PID: 50 ppm (in hole) @ 4.5' Peak at 63 ppm 20 ppm (in hole) @ 10'										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-119

DATE DRILLED:	November 16, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty SAND - with some gravel	Reddish Brown	Medium Dense	SM	1–4						
Silty SAND and gravel Moist	Reddish Brown	Dense	GM	5–6	X	0.0				
Refusal at 7.5'				7–8	X	0.0				
PID: 0.0 ppm (in hole)				9–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-120

DATE DRILLED:	November 16, 2007
LOGGED BY:	Rebecca Gustin
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry, trace organics, non-cohesive, some gravel	Light Tan	Dense	ML	1						
				2						
				3		0				
Moist				4						
				5		0				
				6						
				7						
				8		0				
Refusal at 7.5'				9						
				10						
				11						
				12						
				13						
				14						
				15						
				16						
				17						
PID: 0 ppm (in hole)				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-121

DATE DRILLED:	November 16, 2007
LOGGED BY:	Rebecca Gustin
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT - dry, non-cohesive, some gravel	Light Tan	Dense	ML
Moist, slightly cohesive	Red Tan	Dense	
Refusal at 7.5'			
PID: 0 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
1						
2		0				
3						
4						
5		0				
6						
7		0				
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-122

DATE DRILLED:	November 16, 2007
LOGGED BY:	Rebecca Gustin
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT - dry, non-cohesive Some gravel	Light Tan	Dense	ML
Refusal at 7.5' PID: 102 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-123

DATE DRILLED:	November 16, 2007
LOGGED BY:	Rebecca Gustin
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT - dry, non-cohesive	Light Tan	Dense	ML
Some Gravel			
Clayey SILT - trace gravel, moist, slightly cohesive	Tan Red		
Refusal at 7.5'			
PID: 20 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
1						
2						
3	0					
4						
5	1.2					
6						
7						
8	2.0					
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-124

DATE DRILLED:	November 16, 2007
LOGGED BY:	Rebecca Gustin
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT - dry, non-cohesive	Light Tan	Dense	ML
Some gravel			
Refusal at 7.5'			
PID: 1.10 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
1						
2						
3	0					
4						
5	1.0					
6						
7						
8	4.8					
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-125

DATE DRILLED:	November 16, 2007
LOGGED BY:	Rebecca Gustin
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT - dry, non-cohesive	Light Tan	Dense	ML
Sandy, gravely SILT - slightly cohesive, moist	Red Tan	Dense	ML
Refusal at 7.5'			
PID: 230 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
1						
2						
3	0					
4						
5	9					
6						
7						
8	32					
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-126

DATE DRILLED:	November 19, 2007
LOGGED BY:	Rebecca Gustin
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry	Light Tan	Dense	ML	1–3		0				
Sandy, gravely SILT - moist	Tan Red	Dense	ML	4–6		12				
Refusal at 7.5'				7–8		48				
PID: 2140 ppm (in hole)				9–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-127

DATE DRILLED:	November 19, 2007
LOGGED BY:	Rebecca Gustin
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT - dry, non-cohesive	Light Tan	Dense	ML
Some gravel			
Sandy, clayey SILT - moist, slightly cohesive	Red Tan	Dense	ML
Refusal at 7.5'			
PID: 813 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
1						
2						
3		10				
4						
5		26				
6						
7						
8		144				
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-128

DATE DRILLED:	November 19, 2007
LOGGED BY:	Rebecca Gustin
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry, non-cohesive	Light Tan	Dense	ML	1–20		0.4				
						9.9				
Clayey SILT - moist, slightly cohesive	Tan Red	Dense	ML							
						18.2				
Refusal at 7.5'										
PID: 894 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-129

DATE DRILLED:	November 16, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	10'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT	Light Brown	Medium Dense	ML
Silty SAND and gravel Moist	Light Brown	Dense	GM
Refusal at 10' PID: 0.0 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5	X	0.0				
10	X	0.0				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-130

DATE DRILLED:	November 16, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
Moist				5	X	0.3				
				6						
Very Moist				7						
				8						
				9						
				10	X	0.0				
Wet				11						
Silty CLAY	Reddish Brown	Medium Dense	CL	12						
				13						
Silty SAND and gravel - wet	Reddish Brown	Medium Dense	GM	14						
Refusal at 15'				15	X	60				
				16						
PID: 0.0 ppm (in hole)				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-131

DATE DRILLED:	November 16, 207
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	0.0				
				6						
				7						
				8						
				9						
				10	X	0.0				
Silty CLAY	Reddish Brown	Medium Dense	CL	11						
				12						
				13						
				14						
Refusal at 15'				15	X	0.0				
				16						
PID: 0.0 ppm (in hole)				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241--026A | ***BOREHOLE NO.:*** B-132

DATE DRILLED:	November 19, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - moist	Reddish Brown	Medium Dense	ML	5	X	0.0				
Silty CLAY - very moist Moist	Reddish Brown	Medium Dense	CL	10	X	3				
Refusal at 15'				15	X	5				

PID: 250-ppm (in hole)
Peak at 284 ppm

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-133

DATE DRILLED:	November 19, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - moist	Reddish Brown	Medium Dense	ML	5	X	0				
Silty CLAY - very moist	Reddish Brown	Medium Dense	CL	10	X	0				
Moist										
Refusal at 15'				15	X	24				
PID: 3.4 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-134

DATE DRILLED:	November 19, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	10'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - slightly moist	Brown	Medium Dense	ML	1–4						
				5	X	0.0				
Silty SAND - coarse-grained, some fine-grained gravel	Reddish Brown	Dense	GM	6–9						
Moist				10	X	0.0				
Refusal at 10'				11–16						
PID: 20 ppm (in hole)				17–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-135

DATE DRILLED:	November 19, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	10'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT	Brown	Medium Dense	ML
Silty CLAY	Reddish Brown	Medium Dense	CL
SAND - medium to coarse-grained, poorly sorted, moist	Reddish Brown	Dense	SP
Refusal at 10'			
PID: 77 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5	X	0.2				
10	X	7.0				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-136

DATE DRILLED:	November 19, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	10'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4						
				5	X	0.0				
				6						
Silty CLAY	Reddish Brown	Medium Dense	CL	7–9						
SAND - medium to coarse-grained, poorly sorted, very moist	Reddish Brown	Dense	SP							
				10	X	9				
Refusal at 10'				11–16						
PID: 120 ppm (in hole)				17–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-137

DATE DRILLED:	November 19, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Brown	Medium Dense	ML	1–20						
				5	X	0.0				
Silty CLAY	Reddish Brown	Medium Dense	CL							
Wet				10	X	2				
Sandy SILT - moist	Reddish Brown	Medium Dense	ML							
Refusal at 15'				15	X	88				
PID: 179 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-138

DATE DRILLED:	November 19, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–5	X	60				
Silty CLAY	Reddish Brown	Medium Dense	CL	6–10	X	10				
Sandy SILT	Reddish Brown	Medium Dense	ML	11–15	X	20				
Refusal at 15'				16–20						
PID: 2 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-139

DATE DRILLED:	November 19, 2007
LOGGED BY:	Rebecca Gustin
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry, non-cohesive	Light Tan	Dense	ML	1–4		4.5				
Silty, Sandy GRAVEL - slighty moist, non-cohesive	Tan	Dense	GM	5		5.4				
Clayey SILT - moist, cohesive, non-plastic	Red Tan	Dense	ML	6–7		38.2				
Refusal at 7.5'				8–20						
PID: 609 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-140

DATE DRILLED:	November 19, 2007
LOGGED BY:	Rebecca Gustin
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	12.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Clayey SILT - moist, cohesive, non-plastic	Tan	Medium Dense	ML
Silty SAND - moist, cohesive, non-plastic	Tan	Medium Dense	ML
Sandy SILT - moist, cohesive, non-plastic	Tan	Medium Dense	ML
		Dense	
Refusal at 12.5'			
PID: 1.8 ppm (in-hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
1						
2						
3						
4						
5		1.1				
6						
7						
8						
9		1.1				
10						
11						
12		1.3				
13						
14						
15						
16						
17						
18						
19						
20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-141

DATE DRILLED:	November 19, 2007
LOGGED BY:	Rebecca Gustin
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty SAND - slightly moist, non-cohesive	Tan Gray	Medium Dense	SM	1–4						
Sandy SILT - moist, slightly cohesive, non-plastic	Tan Red	Medium Dense	ML	5–9		1.0				
				10–11		1.0				
Silty, gravely SAND - wet, slightly cohesive, low plasticity	Red	Medium Dense	SM	12–13						
Silty CLAY - moist, cohesive, low plasticity	Yellow Gray	Firm	CL	14						
Refusal at 15'				15		0.8				
PID: 1.7 ppm (in hole)				16–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-142

DATE DRILLED:	November 20, 2007
LOGGED BY:	Rebecca Gustin
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT - moist, slightly cohesive, non-plastic, trace gravel	Light Tan	Medium Dense	ML
Refusal at 7.5'			
PID: 1.1 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
1						
2						
3						
4						
5		0				
6						
7						
		0				
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-143

DATE DRILLED:	November 20, 2007
LOGGED BY:	Rebecca Gustin
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	12.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - moist, slightly cohesive, non-plastic	Light Tan	Medium Dense	ML	1						
				2						
	Tan			3						
				4						
				5		0				
				6						
				7						
				8						
Silty CLAY - moist, cohesive, low plasticity	Red Tan	Firm	CL	9						
				10		0				
				11						
				12						
Refusal at 12.5'						0				
				13						
				14						
				15						
				16						
PID: 2.1 ppm (in hole)				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-144

DATE DRILLED:	November 20, 2007
LOGGED BY:	Rebecca Gustin
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	12.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT - moist, slightly cohesive, non-plastic	Light Tan	Medium Dense	ML
	Tan		
Silty CLAY - moist, cohesive, lost plasticity	Red Tan	Firm	CL
Refusal at 12.5'			
PID: 0 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-145

DATE DRILLED:	November 21, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4						
				5	X	10.9				
				6–9						
Silty CLAY	Reddish Brown	Medium Dense	CL	10	X	112				
				11–14						
Moist										
Refusal at 15'				15	X	42				
				16–20						
PID: 430 ppm (In hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-146

DATE DRILLED:	November 21, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - moist	Reddish Brown	Medium Dense	ML	1–20	X	6				
Silty CLAY Saturated	Reddish Brown	Medium Dense	CL		X	109				
Sandy SILT Saturated	Reddish Brown	Medium Dense	SM		X	40				
Refusal at 15' PID: 360 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-147

DATE DRILLED:	November 21, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–20						
Silty CLAY	Reddish Brown	Medium Dense	CL	5	X	7				
				10	X	105				
Refusal at 15'				15	X	266				
PID: 1300 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-148

DATE DRILLED:	November 29, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14.75'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4						
				5	X	6				
				6–9						
GRAVEL - sandy silt matrix	R Brown	Dense	GM							
Silty CLAY - moist	Reddish Brown	Medium Dense	CL	10	X	68				
Silty SAND and gravel	Reddish Brown	Dense	GM	11–14						
Moist										
Refusal at 14.75'				15	X	58				
PID: 770 ppm (in hole)				16–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-149

DATE DRILLED:	November 19, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	23				
				6						
				7						
				8						
				9						
				10	X	7.0				
Moist				11						
Silty CLAY - wet	Reddish Brown	Medium Dense	CL	12						
Silty SAND - fine to coarse-grained	Red	Medium Dense	SM	13						
				14						
Wet				15	X	7.0				
Refusal at 15'				16						
				17						
PID: 54 ppm (in hole)				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-150

DATE DRILLED:	November 19, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	0.0				
				6						
				7						
				8						
				9						
				10	X	0.0				
Silty CLAY	Reddish Brown	Medium Dense	CL	11						
				12						
Silty SAND - fine-grained, some fine-grained gravel	Red	Medium Dense	GM	13						
				14						
Sandy SILT - moist	Red	Med Dense	ML	15	X	0.0				
Refusal at 15'				16						
				17						
PID: 0.0 ppm (in hole)				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-151

DATE DRILLED:	November 19, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - moist	Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	0.0				
				6						
				7						
				8						
				9						
Moist				10	X	0.0				
Silty CLAY - wet	Reddish Brown	Medium Dense	CL	11						
				12						
				13						
				14						
Wet				15	X	0.0				
Refusal at 15'				16						
				17						
PID: 0.0 ppm (in hole)				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-152

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - moist	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	0.0				
				6						
				7						
Silty CLAY - moist	Reddish Brown	Medium Dense	CL	8						
				9						
				10	X	0.0				
				11						
				12						
				13						
Wet				14						
Refusal at 15'				15	X	0.0				
				16						
PID: 0.0 ppm (in hole)				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-153

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	0.0				
				6						
				7						
				8						
				9						
Moist				10	X	0.0				
Silty CLAY	Reddish Brown	Medium Dense	CL	11						
				12						
				13						
				14						
Refusal at 15'				15	X	0.0				
				16						
PID: 0.0 ppm (in hole)				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-154

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–20						
				5	X	0.0				
Silty CLAY - wet	Reddish Brown	Medium Dense	CL	10	X	0.0				
Wet										
Moist				15	X	0.0				
Refusal at 15'										
PID: 0.0 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-155

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry	Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	0.0				
				6						
				7						
Moist				8						
Silty CLAY - moist	Reddish Brown	Medium Dense	CL	9						
				10	X	0.0				
				11						
				12						
				13						
Very moist				14						
Refusal at 15'				15	X	0.0				
				16						
				17						
PID: 0.0 ppm (in hole)				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-156

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
Sandy SILT - dry	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	0.0				
				6						
Moist				7						
				8						
				9						
				10	X	0.0				
				11						
Wet				12						
				13						
Very moist				14						
				15	X	0.0				
Refusal at 15'				16						
				17						
PID: 0.0 ppm (in hole)				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-157

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT Moist	Reddish Brown	Medium Dense	ML
Silty CLAY - wet Very moist	Reddish Brown	Medium Dense	CL
Refusal at 15' PID: 0.0 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5	X	0.0				
10	X	0.0				
15	X	0.0				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-158

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry	Reddish Brown	Medium Dense	ML	5	X	0.0				
				10	X	0.0				
Silty CLAY Very moist	Reddish Brown	Medium Dense	CL							
Refusal at 15'				15	X	0.0				
PID: 0.0 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-159

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	0.0				
				6						
				7						
				8						
				9						
				10	X	0.0				
				11						
				12						
				13						
				14						
Moist				15	X	0.0				
Refusal at 15'				16						
				17						
PID: 0.0 ppm (in hole)				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-160

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty SAND and gravel - dry	Reddish Brown	Medium Dense	GM	1						
				2						
				3						
				4						
Moist				5	X	0.0				
				6						
				7						
				8						
				9						
				10	X	3				
				11						
				12						
				13						
				14						
Moist				15	X	108				
Refusal at 15'				16						
				17						
PID: 185 ppm (in hole)				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-161

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
TOPSOIL										
Silty SAND and gravel - moist	Reddish Brown	Medium Dense	GM	1–20						
				5	X	0.0				
				10	X	14				
Sandy SILT Moist	Reddish Brown	Medium Dense	ML							
Refusal at 15'				15	X	80				
PID: 354 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-162

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Silty SAND and gravel	Reddish Brown	Medium Dense	GM
Sandy SILT Moist	Reddish Brown	Medium Dense	ML
Refusal at 15' PID: 451 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5	X	0.0				
10	X	20				
15	X	100				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-163

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty SAND - some gravel Dry	Reddish Brown	Medium Dense	SM	1–4						
Silty SAND and gravel - moist Moist	Reddish Brown	Medium Dense	GM	5–8	X	3				
Refusal at 9' PID: 100 ppm (in hole)				9–20	X	5				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-164

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty SAND - some gravel, dry	Reddish Brown	Medium Dense	SM	1–5	X	18				
Sandy SILT Moist	Reddish Brown	Medium Dense	ML	6–8						
Refusal at 9'				9	X	41				
PID: 357 ppm (in hole)				10–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-165

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	1.0				
				6						
Sandy SILT - moist	Red	Medium Dense	ML	7						
				8						
Refusal at 9'				9	X	6.0				
				10						
				11						
				12						
				13						
				14						
				15						
				16						
PID: 335 ppm (in hole)				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-166

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Light Brown	Medium Dense	ML	1–20						
Silty SAND and gravel	Reddish Brown	Medium Dense	GM	5	X	0.0				
Sandy SILT and Silty SAND and gravel				10	X	0.0				
Refusal at 15'				15	X	0.0				
PID: 0.0 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-167

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Silty SAND - some gravel	Reddish Brown	Medium Dense	SM
Silty SAND and gravel Moist	Reddish Brown	Dense	GM
Refusal at 9' PID: 0.0 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5	X	0				
9	X	0				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-168

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
TOPSOIL	Black	Loose								
Sandy SILT - dry	Reddish Brown	Medium Dense	ML	1–4						
				5	X	0.0				
Silty SAND and small gravel	Reddish Brown	Medium Dense	GM	6–9						
				10	X	3.6				
Moist				11–13						
				14	X	18				
Refusal at 14.5'				15–20						
PID: 59 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-169

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
ROADBASE	Black	Medium Dense	GM							
Silty SAND and gravel	Reddish Brown	Medium Dense	GM	1						
				2						
				3						
				4						
				5	X	0.0				
				6						
				7						
				8						
				9						
				10	X	0.0				
				11						
				12						
				13						
Moist										
Refusal at 14'				14	X	0.0				
				15						
				16						
PID: 6.1 ppm (in hole)				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-170

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
TOPSOIL	Black	Loose								
Silty SAND and gravel	Reddish Brosn	Medium Dense	GM	1						
				2						
				3						
				4						
				5	X	0.0				
				6						
Sandy SILT	Reddish Brown		ML	7						
				8						
Silty CLAY	Reddish Brown	Medium Dense	CL	9						
				10	X	11				
Silty SAND and gravel	Reddish Brown	Medium Dense	GM	11						
				12						
				13						
				14						
Moist				15	X	21				
Refusal at 15'				16						
				17						
PID: 97 ppm (in hole)				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-171

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
TOPSOIL	Brown	Loose								
Silty SAND and gravel	Reddish Brown	Medium Dense	GM	1–20						
				5	X	0.0				
Sandy SILT	Reddish Brown	Medium Dense	ML							
				10	X	0.0				
Silty SAND and gravel	Reddish Brown	Medium Dense	GM							
Moist										
				15	X	0.0				
Refusal at 15'										
PID: 0.0 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-172

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
TOPSOIL	Brown	Loose		1						
Sandy SILT - moist	Reddish Brown	Medium Dense	ML	2						
				3						
				4						
				5	X	0.0				
				6						
				7						
Silty CLAY	Reddish Brown	Medium Dense	CL	8						
Silty SAND and gravel	Reddish Brown	Dense	GM	9						
				10	X	0.0				
				11						
				12						
				13						
Moist				14						
Shaley fine-grained SAND to coarse-grained GRAVEL	Lt Brown	Dense	GM	15	X	0.0				
Refusal at 15'				16						
				17						
PID: 0.0 ppm (in hole).				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-173

DATE DRILLED:	November 20, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - moist	Brown	Medium Dense	ML	1–20	X	0.0				
Silty SAND and gravel Moist	Reddish Brown	Medium Dense	GM		X	0.0				
Refusal at 15'						0.0				
PID: 0.0 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-174

DATE DRILLED:	November 21, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty SAND and gravel - dry	Reddish Brown	Dense	GM	1						
				2						
				3						
				4						
				5	X	0.7				
				6						
Moist				7						
					X	5.7				
Refusal at 7.5'				8						
				9						
				10						
				11						
				12						
				13						
				14						
				15						
				16						
PID: 9.7 ppm (in hole)				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-175

DATE DRILLED:	November 21, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT - dry	Reddish Brown	Medium Dense	ML
Silty SAND and gravel Moist	Reddish Brown	Dense	GM
Refusal at 7.5'			
PID: 0.0 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5	X	0.0				
7	X	0.0				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-176

DATE DRILLED:	November 21, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobel 6600
TOTAL DEPTH:	7.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Brown	Medium Dense	ML	1–4						
Silty SAND and gravel Moist	Reddish Brown	Dense	GM	5–7	X	0.0				
Refusal at 7.5'				7	X	0.0				
PID: 0.0 ppm (in hole)				8–20						

DESCRIPTION AND CLASSIFICATION

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-177

DATE DRILLED:	November 21, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry Moist	Reddish Brown	Medium Dense	ML	5	X	10.7				
Silty CLAY - moist	Reddish Brown	Medium Dense	CL	10	X	46				
Silty SAND and gravel - wet Wet	Reddish Brown	Medium Dense	GM	15	X	83				
Refusal at 15' PID: 1257 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-178

DATE DRILLED:	November 21, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4						
				5	X	10.9				
				6–8						
Silty CLAY	Reddish Brown	Medium Dense	CL	9						
Silty SAND and gravel - moist	Reddish Brown	Dense	GM	10	X	28				
Silty CLAY - wet	Reddish Brown	Medium Dense	CL	11–14						
Wet										
Refusal at 15'				15	X	95				
PID: 1530 ppm (in hole)				16–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-179

DATE DRILLED:	November 21, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4						
				5	X	4				
				6–9						
Silty CLAY - wet	Reddish Brown	Medium Dense	CL	10	X	51				
				11–14						
Wet				15	X	82				
Refusal at 15'				16–20						
PID: 1120 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-180

DATE DRILLED:	November 21, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
Sandy SILT	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	0.7				
				6						
				7						
				8						
				9						
				10	X	118				
				11						
				12						
Wet										
Silty CLAY	Reddish Brown	Medium Dense	CL	13						
				14						
Refusal at 15'				15	X	49				
				16						
PID: 471 ppm (in hole)				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-181

DATE DRILLED:	November 29, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14.75'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	0.3				
				6						
Slightly moist				7						
				8						
Silty SAND and gravel	Red Brown	Dense	GM	9						
Sandy SILT - moist	Reddish Brown	Medium Dense	ML	10	X	19				
				11						
Silty SAND and gravel	Reddish Brown		GM	12						
				13						
Moist				14						
Refusal at 14.75'				15	X	82				
				16						
PID: 540 ppm (in hole)				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-182

DATE DRILLED:	November 29, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy Silt - occasionatl gravel, dry	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	0.0				
				6						
				7						
				8						
Moist				9						
				10	X	1.3				
				11						
Moist				12						
Silty SAND and gravel	Reddish Brown	Dense	GM	13						
				14						
Refusal at 15'				15	X	2.4				
				16						
PID: 340 ppm (in hole) Peak at 370 ppm				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-183

DATE DRILLED:	November 29, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry	Reddish Brown	Medium Dense	ML	1–2						
Sandy SILT - some gravel	Reddish Brown	Medium Dense	ML	3–4						
				5	X	0.0				
				6–9						
				10	X	0.0				
				11–12						
Sandy SILT Moist	Red	Medium Dense	ML	13–14						
Refusal at 15'				15	X	0.1				
PID: 0.7 ppm (in hole)				16–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-184

DATE DRILLED:	November 29, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry	Brown	Medium Dense	ML	1–3						
Silty SAND and gravel - moist	Reddish Brown	Medium Dense	GM	4–5	X	0.0				
				6–10	X	0.0				
Very moist				11–13						
Very moist				14–15	X	0.0				
Refusal at 15'				16–20						
PID: 0.0 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-185

DATE DRILLED:	November 29, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
Sandy SILT - dry Moist	Reddish Brown	Medium Dense	ML	5	X	0.3				
Silty SAND and gravel Moist	Reddish Brown	Medium Dense	GM	10	X	39				
Refusal at 15' PID: 343 ppm (in hole)				15	X	403				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-186

DATE DRILLED:	November 29, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry	Reddish Brown	Medium Dense	ML	1–4						
Silty SAND and gravel - slightly moist	Reddish Brown	Dense	GM	5	X	11				
				6–9						
				10	X	52				
				11–14						
Moist				15	X	319				
Refusal at 15'				16–20						
PID: 337 ppm (in hole) Spike at 706 ppm										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-187

DATE DRILLED:	November 29, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty SAND and gravel - dry	Reddish Brown	Medium Dense	GM	1–5	X	2.6				
Sandy SILT	Reddish Brown	Dense	ML	6–10	X	48				
Silty SAND and gravel Moist	Reddish Brown	Dense	GM	11–14	X	1.4				
Refusal at 14.5' PID: 298 ppm (in hole)				15–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-188

DATE DRILLED:	November 29, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Brown	Medium Dense	ML	1						
				2						
Silty SAND and gravel	Reddish Brown	Dense	GM	3						
				4						
				5	X	25				
				6						
				7						
				8						
				9						
				10	X	127				
				11						
Sandy SILT	Red	Dense	ML	12						
				13						
Silty SAND with large gravel and cobbles - moist			GM	14	X	42				
Refusal at 14'				15						
				16						
PID: 1089 ppm (in hole)				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-189

DATE DRILLED:	November 29, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT - dry	Reddish Brown	Medium Dense	ML
Silty SAND and gravel Moist	Reddish Brown	Dense	GM
Refusal at 15' PID: 598 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5	X	19				
10	X	48				
15	X	58				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-190

DATE DRILLED:	November 29, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
ROADBASE - Gravel										
Sandy SILT	Reddish Brown	Medium Dense	ML	1–5						
Silty SAND and gravel	Reddish Brown	Dense	GM	5	X	0.3				
Sandy SILT	Reddish Brown	Dense	ML	5–10						
Silty SAND and gravel Moist	Reddish Brown	Dense	GM	10	X	11				
				10–15						
Refusal at 15'				15	X	28				
PID: 270 ppm (in hole)				15–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-191

DATE DRILLED:	November 29, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	2.9				
				6						
				7						
				8						
				9						
				10	X	5.0				
Silty SAND and gravel	Reddish Brown	Dense	GM	11						
				12						
				13						
Moist				14						
Refusal at 15'				15	X	2.4				
				16						
PID: 176 ppm (in hole)				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-192

DATE DRILLED:	November 29, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	13'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	14				
				6						
				7						
				8						
				9						
Silty SAND and gravel	Reddish Brown	Dense	GM	10	X	60				
				11						
Moist				12						
				13	X	27				
Refusal at 13'				14						
				15						
				16						
PID: 958 ppm (in hole)				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-193

DATE DRILLED:	November 29, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry	Reddish Brown	Medium Dense	ML	5	X	25				
Silty SAND and gravel Moist	Reddish Brown	Dense	GM	10	X	89				
Refusal at 15' PID: 1139 ppm (in hole)				15	X	895				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-194

DATE DRILLED:	November 29, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry Moist	Reddish Brown	Medium Dense	ML	5	X	0.0				
Silty SAND and gravel Moist	Reddish Brown	Dense	GM	10	X	0.0				
Refusal at 15' PID: 0.0 ppm (in hole)				15	X	0.0				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-195

DATE DRILLED:	November 29, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT - dry Moist	Reddish Brown	Medium Dense	ML
Silty CLAY	Reddish Brown	Medium Dense	CL
Silty SAND and gravel Moist	Reddish Brown	Dense	GM
Refusal at 15' PID: 0.0 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5	X	0.0				
10	X	0.0				
15	X	0.0				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-196

DATE DRILLED:	November 30, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - moist	Reddish Brown	Medium Dense	ML	5	X	5.2				
Sandy SILT - saturated				10	X	32				
Wet (saturated)				15	X	16				
Refusal at 15'										
PID: 1032 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-197

DATE DRILLED:	November 30, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry	Reddish Brown	Medium Dense	ML	1						
				2						
Moist				3						
				4						
				5	X	0.0				
				6						
				7						
				8						
Wet				9						
				10	X	0.0				
				11						
				12						
				13						
				14						
Wet				15	X	0.0				
Refusal at 15'				16						
				17						
PID: 16 ppm (in hole)				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-198

DATE DRILLED:	November 30, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	0.0				
				6						
				7						
				8						
				9						
Wet										
Sandy SILT				10	X	0.0				
				11						
				12						
				13						
				14						
Wet										
Refusal at 15'				15	X	0.0				
				16						
				17						
PID: 5.9 ppm (in hole)				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-199

DATE DRILLED:	November 30, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy, gravely SILT - dry Moist	Reddish Brown	Medium Dense	ML	5	X	9.0				
Clayey SILT Wet Wet	Reddish Brown	Medium Dense		10	X	83				
Refusal at 15' PID: 1075 ppm (in hole)				15	X	5.0				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-200

DATE DRILLED:	November 30, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - moist	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	68				
				6						
				7						
				8						
				9						
				10	X	135				
Wet				11						
Silty CLAY	Reddish Brown	Medium Dense	CL	12						
				13						
Silty SAND	Light Yellow Brown	Medium Dense	SM	14						
Wet				15	X	23				
Refusal at 15'				16						
				17						
PID: 1596 ppm (in hole)				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-201

DATE DRILLED:	November 30, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - moist	Reddish Brown	Medium Dense	ML	1–5	X	10				
Silty CLAY - wet	Reddish Brown	Medium Dense	CL	6–9						
Silty SAND - wet Wet	Light Yellow Brown	Medium Dense		10–14	X	5				
Refusal at 15' PID: 206 ppm (in hole)				15–20	X	0.0				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-202

DATE DRILLED:	November 30, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry	Reddish Brown	Medium Dense	ML	1–5	X	0.0				
Silty SAND - moist	Light Yellow Brown	Medium Dense	SM	6–10	X	1.0				
Very moist				11–15	X	1.0				
Refusal at 15'				16–20						
PID: 2.3 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-203

DATE DRILLED:	November 30, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	13'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT - dry	Brown	Medium Dense	ML
Sandy SILT - moist	Red	Medium Dense	ML
Clay SILT - moist	Red	Dense	ML
Refusal at 13'			
PID: 754 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5	X	112				
10	X	360				
13	X					
15		646				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-204

DATE DRILLED:	November 30, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	13'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry	Reddish Brown	Medium Dense	ML	1–5	X	110				
Sandy SILT	Red	Medium Dense	ML	6–10	X	598				
Clayey SILT - moist	Red	Dense	ML	11–13	X	4570 Peak				Average ~2500
Refusal at 13'				14–20						
PID: 2001 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-205

DATE DRILLED:	November 30, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	13'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–4						
Sandy SILT	Red	Dense	ML	5	X	70				
Silty SAND and gravel	Red	Dense	GM	6–9						
Clayey SILT Moist	Red	Dense	ML	10	X	463				
Refusal at 13'				11–12						
				13	X	5704 Peak				3000 Average
PID: 1766 ppm (in hole)				14–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-206

DATE DRILLED:	November 30, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
Sandy SILT - dry	Reddish Brown	Medium Dense	ML	1–4						
Silty SAND - some gravel	Reddish Brown	Dense	GM	5–9	X	60				
Silty SAND and gravel	Reddish Brown	Dense	GM	10–12	X	51				
Clayey SILT - moist	Red	Dense	ML	13						
Refusal at 14'				14–20	X	4357 Peak				3000 Average
PID: 592 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-207

DATE DRILLED:	November 30, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT - dry	Reddish Brown	Medium Dense	ML
Sandy SILT	Red	Dense	ML
Silty SAND and gravel	Reddish Brown	Dense	GM
Clayey SILT - moist	Red	Dense	ML
Refusal at 14'			
PID: 348 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5	X	4				
10	X	68				
14	X	3400				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-208

DATE DRILLED:	November 30, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	13'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–20						
Sandy SILT	Red	Medium Dense	ML		X	3				
Silty SAND and gravel	Red	Dense	GM		X	6				
Refusal at 13'					X	12				
PID: 474 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-209

DATE DRILLED:	November 30, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–20						
				5	X	47				
Silty, gravely SAND Wet	Reddish Brown	Dense	GM	10	X	126				
Wet										
Refusal at 15'				15	X	62				
PID: 1509 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-210

DATE DRILLED:	November 30, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	5	X	31				
Wet										
Silty, gravely SAND	Reddish Brown	Medium Dense	SM	10	X	20				
Wet										
Refusal at 15'				15	X	352				
PID: 1442 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-211

DATE DRILLED:	December 4, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	17.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
Moist				5	X	0.0				
				6						
				7						
				8						
				9						
				10	X	2.0				
				11						
				12						
				13						
Moist				14						
Sandy SILT - wet	Brown	Medium Dense	ML	15	X	6				
Clayey SILT	Red	Dense	ML	16						
Slightly moist				17						
					X	1.0				
Refusal at 17.5'				18						
				19						
PID: 8.0 ppm (in hole)				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-212

DATE DRILLED:	December 4, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry	Reddish Brown	Medium Dense	ML	1–20	X	0.0				
Silty SAND - moist	Red	Medium Dense	SM	9–13	X	0.0				
Moist										
Clayey SILT - no plasticity	Brown	Dense	ML	14–20	X	0.0				
Refusal at 14.5'										
PID: 1.5 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-213

DATE DRILLED:	December 4, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	9'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT - dry	Brown	Medium Dense	ML
Moist			
Silty SAND with gravel	Reddish Brown	Medium Dense	SM
Very moist			
Clayey SILT	Red	Dense	CL
Refusal at 9'			
PID: 2 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5	X	0.0				
9	X	0.0				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-214

DATE DRILLED:	December 4, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14'9"
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–20						
Silty SAND - some gravel, wet				5	X	2				
Silty CLAY - very moist, medium plasticity	Red	Medium Dense	CL	10	X	5				
Silty CLAY - wet	Reddish Brown	Medium Dense	CL							
Wet										
Silty SAND and gravel - very moist	Reddish Brown	Dense	GM	15	X	107				
Refusal at 14'9"										
PID: 1752 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-215

DATE DRILLED:	December 4, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	17'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–20						
Silty CLAY - wet, medium plasticity	Reddish Brown	Medium Dense	CL		X	0.0				
Wet					X	45				
Silty SAND and gravel - moist	Red Brown	Dense	GM		X	20				
Sandy SILT - moist, strong odor of product	Reddish Brown	Dense	ML							
Refusal at 17'					X	1800 Average				4565 Peak
PID: 348 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-216

DATE DRILLED:	December 4, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT Wet	Reddish Brown	Medium Dense	ML	5	X	5				
Clayey SILT	Reddish Brown	Medium Dense	ML	10	X	1250				
Sandy SILT - moist	Reddish Brown	Medium Dense	ML							
Refusal at 15' PID: 775 ppm (in hole)				15	X	25				

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-217

DATE DRILLED:	December 4, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14'9"
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - moist	Reddish Brown	Medium Dense	ML	1–20	X	0.0				
Silty CLAY - very moist	Reddish Brown	Medium Dense	CL		X	80				
Refusal at 14'9"					X	2500				
PID: 123 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-218

DATE DRILLED:	December 5, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	13'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–5	X	0.0				
Silty SAND and gravel Moist	Reddish Brown	Medium Dense	GM	6–9						
Silty CLAY Moist	Red	Dense	CL	10–13	X	24				
				13	X	180				
Refusal at 13'				14–20						
PID: 14.1 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-219

DATE DRILLED:	December 5, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	13'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT - dry	Reddish Brown	Medium Dense	ML
Silty SAND - moist MoistT	Reddish Brown	Medium Dense	SM
Clayey SILT	Yellow Green	Medium Dense	ML
Clayey SILT	Red	Dense	ML
Refusal at 13' PID: 350 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5	X	20				
10	X	53				
13	X	398				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-220

DATE DRILLED:	December 5, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–20						
					X	17				
Wet										
Silty SAND	Reddish Brown	Medium Dense	SM							
					X	68				
Wet										
Silty CLAY	Red	Dense	CL							
					X	190				
Refusal at 14.5'										
PID: 85 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-221

DATE DRILLED:	December 5, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	10'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Sandy SILT - dry	Brown	Medium Dense	ML
Moist			
Silty SAND and gravel	Red	Medium Dense	GM
Clayey SILT - moist	Yellow Green	Dense	ML
Clayey SILT - no plasticity	Red	Dense	ML
Refusal at 10'			
PID: 0.0 ppm (in hole).			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5	X	0.0				
10	X	0.0				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-222

DATE DRILLED:	December 5, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	22'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION				Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE							
Sandy SILT - moist	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	11				
				6						
				7						
Silty CLAY - very moist, medium plasticity	Reddish Brown	Medium Dense	CL	8						
				9						
				10	X	80				
				11						
Sandy SILT - wet	Reddish Brown	Medium Dense	ML	12						
				13						
				14						
				15	X	2500				2812 Peak
				16						
Silty Sand and gravel - saturated	Reddish Brown	Dense	GM	17						
				18						
				19						
				20	X	38				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-223

DATE DRILLED:	December 5, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	22'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Silty CLAY - moist	Yellow Green	Dense	CL	21						
Refusal at 22'				22	X	22				
PID: 385 ppm (in hole)				23						
End of Log				24						
				25						
				26						
				27						
				28						
				29						
				30						
				31						
				32						
				33						
				34						
				35						
				36						
				37						
				38						
				39						
				40						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-223

DATE DRILLED:	December 5, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	5	X	5				
Clayey SILT - wet	Reddish Brown	Medium Dense	ML	10	X	328				
Silty SAND - saturated	Reddish Brown	Medium Dense	SM	15	X	3300				
Refusal at 15'										
PID: 334 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-224

DATE DRILLED:	December 5, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML							
				1						
				2						
				3						
				4						
				5	X	32				
				6						
				7						
				8						
				9						
				10	X	170				
				11						
Silty SAND - saturated	Reddish Brown	Medium Dense	SM	12						
				13						
Saturated				14						
Refusal at 15'				15	X	3200				
				16						
PID: 85.8 ppm (in hole)				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-225

DATE DRILLED:	December 5, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	8				
				6						
				7						
				8						
				9						
				10	X	106				
				11						
Saturated				12						
				13						
				14						
Refusal at 15'				15	X	1000				
				16						
PID: 74 ppm (in hole)				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-226

DATE DRILLED:	December 5, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
Moist				5	X	7				
				6						
				7						
				8						
				9						
				10	X	39				
Saturated				11						
				12						
				13						
				14						
Refusal at 15'				15	X	3300				
				16						
PID: 300 ppm (in hole)				17						
				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-227

DATE DRILLED:	December 5, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	14.5'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - moist	Reddish Brown	Medium Dense	ML	1–20						
Silty SAND - moist	Reddish Brown	Medium Dense	SM	5	X	0.0				
Silty SAND - moist	Yellow	Dense	SM	10	X	150				
Refusal at 14.5'				14	X	1500				
PID: 144 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-228

DATE DRILLED:	December 5, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1						
				2						
				3						
				4						
				5	X	440				
				6						
				7						
				8						
				9						
				10	X	1800				
Silty SAND - wet	Reddish Brown	Medium Dense	SM	11						
				12						
				13						
				14						
Wet				15	X	0.0				
Refusal at 15'				16						
				17						
PID: 282 ppm (in hole)				18						
				19						
				20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-229

DATE DRILLED:	December 5, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	---
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT - dry Moist	Reddish Brown	Medium Dense	ML	5	X	5				
Silty SAND and gravel	Reddish Brown	Medium Dense	GM	10	X	113				
Silty SAND - moist	Reddish Brown	Medium Dense	SM	15	X	4700				7100 Peak
Refusal at 15' PID: 120 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-230

DATE DRILLED:	December 5, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE
Silty SAND and gravel	Red	Dense	GM
Sandy SILT - moist	Red	Dense	ML
Refusal at 15' PID: 0.0 ppm (in hole)			

Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
5	X	12				
10	X	120				
15	X	830				

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-231

DATE DRILLED:	December 5, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–20						
				5	X	0.0				
				10	X	0.0				
Silty SAND Moist	Reddish Brown	Medium Dense	SM							
Clayey SILT	Red	Dense	ML							
				15	X	0.0				
Refusal at 15'										
PID: 0.0 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-232

DATE DRILLED:	December 5, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Brown	Medium Dense	ML	1–4						
Silty SAND and gravel	Reddish Brown	Medium Dense	GM	5	X	0.0				
Silty SAND - moist	Reddish Brown	Medium Dense	SM	6–9						
				10	X	3.0				
Moist				11–14						
Refusal at 15'				15	X	4.0				
PID: 0.0 ppm (in hole)				16–20						

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-233

DATE DRILLED:	December 5, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–5	X	0.0				
Silty SAND and gravel Wet	Reddish Brown	Medium Dense	GM	6–10	X					
Clayey SILT Moist	Red	Medium Dense	ML	11–15	X					
Refusal at 15'				16–20						
PID: 0.0 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-234

DATE DRILLED:	December 5, 2007
LOGGED BY:	Troy Smith
REFERENCE ELEVATION:	—
DRILL RIG:	Geoprobe 6600
TOTAL DEPTH:	15'
DEPTH TO GROUNDWATER:	Not Encountered

DESCRIPTION AND CLASSIFICATION

DESCRIPTION AND REMARKS	COLOR	CONSIST.	TYPE	Depth (Feet)	Sample	OVM (ppm)	Water Content (%)	Dry Density (pcf)	Passing 200 Sieve (%)	Other
Sandy SILT	Reddish Brown	Medium Dense	ML	1–20						
Wet				5	X	0.0				
Silty SAND and gravel	Reddish Brown	Medium Dense	GM							
Wet				10	X	0.0				
Clayey SILT - moist	Red	Dense	ML							
Refusal at 15'				15	X	0.0				
PID: 0.0 ppm (in hole)										

WASATCH ENVIRONMENTAL

Environmental Science and Engineering

BOREHOLE LOG

C-4 Top Stop
Gunnison, Utah

PROJECT NO.: 1241-026A | ***BOREHOLE NO.:*** B-235