PRELIMINARY GEOTECHNICAL REVIEW FOR

DESTINATION NEVADA CARSON CITY, NEVADA

PREPARED FOR:

RIDL, LTD.
1250 N. SANTA BARBARA
MINDEN, NEVADA 89423

PREPARED BY:

GEOCON CONSULTANTS, INC.
1167 ANNIE COURT, SUITE B
MINDEN, NEVADA 89423

GEOCON

GEOCON PROJECT NO. R8259-06-02

FEBRUARY 2006

GEOCON
CONSULTANTS, INC.
ENVIRONMENTAL ■ GEOTECHNICAL ■ MATERIALS

Project No. R8259-06-02
February 10, 2006

RIDL, Ltd.
Mr. Andy Hettrick
1250 N. Santa Barbara
Minden, NV. 89423

Subject: DESTINATION NEVADA
CARSON CITY, NEVADA
PRELIMINARY GEOTECHNICAL REVIEW

Dear Mr. Hettrick:

In accordance with your authorization of our proposal; we are submitting the results of our preliminary geotechnical engineering review for the subject site. The accompanying report presents the findings and conclusions from our study.

We identified three adverse conditions on the site that will impact the planned development. The first is the presence of the old Ormsby County Landfill on approximately 13 acres of the site. The volume of landfill material is estimated at 200,000 cubic yards. Complete removal, partial removal or encapsulation of the landfill material are possible mitigations that will be required to develop the affected area. If the landfill material is left in place, appropriate uses would be open space or parking areas. If these types of use are contemplated, an impermeable engineered landfill cap is recommended. However, if the landfill material is left onsite some inherent liability will remain a risk to the owner. An attorney specializing in environmental law should be consulted to put these risks into perspective and to discuss alternatives.

The second adverse condition is the presence of uncontrolled fill derived from alluvium on approximately one third of the site. Mitigation of the uncontrolled fill by one of the following four alternatives should be considered during site planning activities. The uncontrolled fill should be removed and then replaced as structural fill with appropriate testing and observation as recommended herein. Alternatively, deep foundations could be used that would penetrate into firm native soils for support. A third alternative would be to remove and replace a portion of the uncontrolled fill and to design for settlements that exceed normal parameters. If this alternative is chosen, a risk based analysis should be performed. A fourth mitigation alternative would be to revise site plans so as to place parking, lightly loaded structures or open spaces in the areas of most concern.

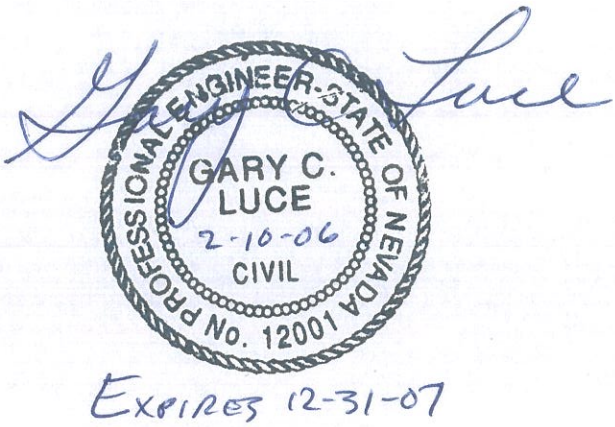
The third adverse condition identified is the presence of large cut and uncontrolled fill slopes with existing slopes on the order of 1:1 (Horizontal to Vertical) or steeper. These slopes are not considered to be unstable under static conditions but are susceptible to slumping and rock fall especially during seismic shaking. Re-grading of the slopes (2:1) or mechanical stabilization with retaining walls or with rip-rap is likely to be required when site specific geotechnical investigations are conducted. Left in their current configurations, building setbacks from slope crests and toes should be required at a minimum.

The remainder of the site appears to be generally suitable for the proposed development utilizing conventional spread footings or drilled shaft foundations for the larger multistory structures.

Please contact me should you have any questions regarding this report, or if we may be of further service.

Sincerely,

GEOCON CONSULTANTS, INC.



Gary Luce, PE
Senior Project Engineer

GL:jk

(5) Addressee

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PRELIMINARY GEOTECHNICAL REVIEW

1.0 PURPOSE AND SCOPE

This report presents the results of our Preliminary Geotechnical Review for the proposed Destination Nevada project. Multiple uses are proposed for the site including: a hotel/ casino, commercial/ office tower, shopping mall, condominium/ retail mixed use, and a cinema complex. The approximate site location and boundaries are depicted on the attached Site Vicinity Map and Site Plan, presented as Figures 1 and 2, respectively.

This review is a condition of escrow for RIDL, Ltd who is the potential buyer of the subject site. The project site is an approximately 135 acre area located in the southwest quarter of Section 1, Township 15 North, Range 20 East in Carson City. The property is bounded by Highway 50 and undeveloped land to the north, undeveloped land to the east and south, and light industrial/commercial business to the west (Figure 1).

The purpose of our site review was to generally characterize the soil and geologic conditions, identify any geologic or adverse soil conditions that might impact the development of the site, provide preliminary conclusions regarding liquefaction potential, site grading, seismic design, and to assess the site for the suitability of conventional foundations. During our site review we reviewed geological and soil reports, fault study maps, aerial photographs and performed limited drilling and trenching. The report is considered a Preliminary Geotechnical Review in that no grading plans were available, structure locations and interior roadway layouts were at a conceptual stage, only limited exploration excavations were performed and laboratory testing consisted predominantly of classification and index tests. We recommend that a more thorough design-level geotechnical investigation be completed for the entire site and for each of the larger structures prior to construction.

Prior to conducting our review, the client indicated that there was a pre-existing municipal landfill on the project site and that a substantial area of the project site had been rough graded. The grading included the placement of a substantial amount of uncontrolled fill. The grading was a large scale cut and fills operation intended to create nearly level pads for future light industrial use. The purpose of our subsurface exploration was to evaluate the limits of both the landfill and uncontrolled fill as well as to generally characterize the native soil conditions on the site. The environmental issues related to the dump site will be addressed under a separate cover. In October of 2005, we had completed a Phase I environmental assessment of the site. In addition, the results of our screening level environmental sampling and testing of the landfill debris has been submitted in a separate report.

To aid in preparing this report, we discussed the project with the client and reviewed the following documents:

Conceptual Site Layout, Art Hanafin Architect., September, 2005

Earthquake Hazards Map-New Empire Quadrangle, Nevada Bureau of Mines and Geology, Bell and Trexler, 1979

Soil Survey of Carson City Area, Nevada, United States Department of Agrgriculture, Soil Conservation Service and Forest Service, 1979

Geocon performed the following scope of geotechnical services:

- Reviewed conceptual site plans to determine exploratory excavation locations.
- Performed a site reconnaissance and marked the proposed exploratory boring locations in the field with stakes and white flagging for subsequent underground utility location purposes.
- As required by law, notified local utility subscribers via Underground Service Alert (USA) at least 48 hours prior to performing subsurface excavations.
- Observed the excavation of 6 exploratory test borings (BH-1 through BH-6) at the site. The borings were advanced with a truck-mounted CME 55 drill rig equipped with hollow-stem augers to depths of approximately 10 to 22 feet below the ground surface (bgs). The approximate locations of the exploratory test borings are depicted on the Site Plan, Figure 2.
- Observed 72 test pits (trenches) (T-01-T-72) at the site. The exploratory test pits were excavated with a Cat 200 Excavator, Cat 310 backhoe, and a Case 580 backhoe.
- Logged the soil test borings under the direction of a Nevada-licensed Civil Engineer in accordance with the Unified Soil Classification System (USCS).
- Obtained debris and soil samples in the old landfill area under the supervision of a Nevada-licensed Certified Environmental Manager. Submitted samples to an outside environmental testing laboratory for chemical analyses. Results and analysis are presented under separate cover.
- Obtained bulk samples and relatively undisturbed soil samples from the test pits and exploratory borings. Logs of the exploratory test excavations and other details of the field investigation are included in Appendix A. Submitted selected soil samples to geotechnical laboratory for testing. Details of the laboratory testing program including test results are included in Appendix B.

2.0 SITE AND PROJECT DESCRIPTION

The project site is an approximately 135-acre area located approximately 5 miles east of downtown Carson City on the south side of Highway 50 (Figure 3). Current access to the site is from US Highway 50 and Drako Way. The terrain is flat to rolling with elevations ranging from 4,825 feet in the northeast corner of the parcel to 4,720 feet in the flat lying southwest portion. The site is currently vacant except for two warehouse structures (Computer Corp, Inc.) and a single family residence located on the northeast parcels (8-521-23 and 24). The southern half of the site was previously rough graded in the early 1980s for proposed commercial development. An abandoned landfill is located in the west central portion of the site. This landfill is identified as the former Ormsby County Landfill on the previous owners' deed. Several topographic "breaks" are present across the site and represent the edges of cut or fill slopes. The most prominent of these breaks is the northeast-southwest trending fill slope along the southerly portion of the old Landfill. The eastern boundary of the site has two large cut slopes constructed during the previous grading operations. The parcel is generally covered with native vegetation primarily consisting of sagebrush, native grasses and other shrubs. Several stockpiles consisting of soil, rock and landscape debris (vegetation clippings, etc.) were observed on the easterly and central portion of the site.

Examination of historic aerial photography indicates the site was formerly crossed by an incised drainage that traversed from northeast to southwest. In addition, a second incised drainage bounded the southwesterly edge of the property (Figure 4).

Approximately 20 acres of the site is underlain by uncontrolled fill (not including the old landfill). The uncontrolled fill area is generally located on the southerly portion of the site.

There are numerous graded dirt roads on the site of which some are related to previous development plans. Power lines cross the site northeasterly along Astro Drive and northerly along both east and west property lines. There is a gas line located on the northwest part of the property. The adjacent properties to the west have improvements that include commercial / light industrial buildings.

At the time of this report, only a conceptual layout for the Destination Nevada Project was available. Multiple proposed uses for the site including: a hotel/casino, commercial/office tower, shopping mall, condominium/retail mixed use, and a cinema complex all with associated landscaping and parking areas (Figure 5).

Preliminary plans by others indicate the proposed depot for the Virginia and Truckee Railroad rconstrucction project may be constructed directly west of the site. Additional planned developments adjacent to the site on the south include two museums proposed to be constructed on BLM land.

3.0 SOIL AND GROUNDWATER CONDITIONS

The soil conditions observed in our exploratory borings and test pits were relatively consistent across the site (except for the landfill area). The following soil descriptions include the Unified Soil Classification System (USCS) symbol where applicable. Please refer to the exploratory excavation logs included in Appendix A for vertical extents of the materials encountered at each exploratory location.

3.1 Geology and Soil Conditions

Geologic mapping of the site is published on the Geologic Map of Lyon, Douglas and Ormsby Counties, Nevada, Nevada Bureau of Mines and Geology, Bulletin 75, 1969. This geologic map shows the site to be located on the western flanks of the Pinenut Mountains. The geology of the site is predominately older (early Pleistocene and Pliocene) alluvial fan deposits, locally referred to as Alluvial-fan deposits of Morgan Mill. South and East of the site are middle Jurassic volcanic and metavolcanic rocks. The alluvial fan sediments are derived from intermediate volcanic rocks with lesser metamorphic rocks, and minor granitic rocks. A mixture of moderately thick deposits (60 to 300 feet) of poorly to moderately sorted fluvial gravel, sand, and silt typically characterizes these sediments. The sediments are typically highly dissected by deep channels, but original low-relief depositional surfaces are preserved locally. The volcanic and metavolcanic rocks found near the site consist of andesite, dacite, breccias and conglomerates. A Geologic Map of the surface of the site (1" to 600') was developed within our scope of work (Figure 6). The map was developed from both field observations and interpretation of the aerial photographs of the site.

The Soil Conservation Service (SCS) generally characterizes soils within the site as the Reno gravelly clay loam. This alluvial material formed from basaltic rock parent material. The surface layer is typically grayish brown gravelly clay loam about 3 inches in thickness. The subsoil is light gray, sandy clay about 17 inches thick. The next layer is a highly cemented hardpan about 9 inches thick. Below this to a depth of 60 inches is light brownish gray, stratified gravelly and very gravelly loamy sand. Permeability of this material is moderately slow. Available water capacity is very low. The Soil Conservation Service Maps and selected SCS data for the project site are presented in Appendix C for use as a reference to the following discussion.

Native soils encountered on the site generally consist of medium dense to dense, moist to dry, Silty Sand (SM) to Sandy Gravel (GM) with small amounts of Silt (ML), Clayey Sand (SC) and Lean Clay (CL). Native soils were only encountered in an undisturbed state in limited areas, particularly north of Astro Way and along cut slopes on the east side of the site.

The soils underlying the site including the uncontrolled fill were generally consistent with the map descriptions of the alluvial fan deposits. Soils encountered over and within the debris associated with the old landfill were also consistent with alluvial fan deposits. The uncontrolled fill was up estimated to be as deep as 110 feet near the southwest boundary of the site. In order to evaluate the character of the uncontrolled fill, exploration was conducted both at the crest and toe of the large fill slopes. The fill material was found to be relatively consistent alluvial materials from top to bottom. Attempts to drill through the fill failed due to refusal at shallow depths on cobble materials. The uncontrolled fill generally decreased in thickness to the northeast. The current owner reported to us that some organic debris was deposited in the extreme edge of the uncontrolled fill along the south and west boundaries of the property. The risk of settlement during dynamic shaking or under construction loads in the areas of uncontrolled fill (including the landfill) is considered to be moderate to high.

The landfill area is located near the center of the site just south of Astro Way. Our exploration indicated that the debris increases in thickness from north to south ranging from less than a foot to as much as 22 feet. Typical soil cover over the debris ranged from less than one foot to six feet below the existing surface. The average thickness of debris was approximately 8 feet based on all of our test pits in the landfill area. The debris encountered was consistent with household refuse and general construction debris. Debris types included glass, wire, fabricated metal, wood, plastic, concrete, asphalt and other similar materials all within a silty sand soil matrix with ash which is consistent with a "burn dump". It is noted that refusal on concrete was encountered at a few test pit locations and the lone borehole attempted in the landfill area. Therefore the volume estimate (200,000 cy) should be viewed as a minimum.

3.2 Groundwater

Groundwater was not encountered in any of the exploratory excavations during the field investigation conducted in October and November, 2005. It is inferred that the depth to groundwater is greater than 100 feet below the existing ground surface on the majority of the site where construction is planned. The site ranges form about 4,640 to 4,760 feet above mean sea level. The permanent groundwater table should be at an elevation near the level of the Carson River (approximate elevation 4,590) located approximately one-quarter mile south of the site. It is possible that seasonal perched groundwater may occur at higher elevations in some areas of the site.

4.0 GEOLOGIC HAZARDS

4.1 Faulting

Carson City is located near active faults which are considered capable of producing significant ground motions due to seismic events. Based on the results of the site investigation and review of geologic maps and reports, the site is not located on any known active or potentially active fault traces.

The nearest potentially active faults are located approximately one and one-half mile west of the site near the intersection of US 50 with Edmonds Drive. These faults are relatively small and not considered to govern design at the site. Ground shaking intensities for design considerations should be governed by seismic events occurring on the larger regional faults at the base of the Carson Range located approximately four miles west of the site (i.e. the Carson City Fault). Faulting along the Carson Ranges has been evaluated by the Nevada Bureau of Mines and Geology to be capable of producing earthquake Richter Magnitudes on the order of 7.4 with peak ground accelerations as high as 0.7g. These values are equivalent to Modified Mercalli Intensities of X or greater.

The seismic risk at the site is not considered significantly greater than that of the surrounding developments and the Carson City area in general. Seismic design of the structures should be performed in accordance with the latest version of the International Building Code (IBC).

4.2 Liquefaction

Liquefaction of granular soils can be caused by strong vibratory motion due to earthquakes. Soils that are highly susceptible to liquefaction are loose, granular and saturated. The liquefaction of soils causes surface distress, loss of bearing capacity, and settlement of structures that are founded on the soils. Based on review of soil types, relatively high in place soil density, depth to groundwater, and the seismic accelerations anticipated at the site, it is our opinion that the potential for seismic related ground movement resulting from liquefaction is very low.

4.3 Slope Stability and Landslide Hazards

No significant landslide hazards or slope stability issues are known to exist on the site except as noted below. Relatively large cut and fill slopes are present along the southeasterly and south property boundaries. These slopes are constructed at slopes of approximately 1:1 (Horizontal to Vertical). Additional smaller slopes throughout the site are in similar configurations. The recommended unstabilized slope angle for the native soils encountered on the site would be 2:1. While the steeper slopes are not believed to be prone to landsliding, they are believed to be capable to raveling (rock fall) and slumping especially if subjected to seismic shaking. These slopes should be regarded to 2:1 or be mechanically stabilized using large rip-rap or retaining walls. If left in their current configurations,

building setbacks from both toes and crests should be developed during site specific design level geotechnical investigations. The interior slopes are likely to be removed or modified during site development and may be mitigated during this process.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 General

Based upon the results of our geotechnical review the site is generally suitable for the proposed development provided that the identified adverse conditions are mitigated properly. The conclusions and recommendations presented in this report are provided for forward planning, and should be considered preliminary. Grading and utility installations should proceed with only ordinary effort for sandy to gravelly soils. No other geologic hazards related to high ground water, expansive or collapsible soils, landslides or faulting are believed to exist on the site.

Environmental risks and mitigations are not specifically addressed herein. A separate report by Geocon to the client addressing environmental issues related to the old landfill on the site should be reviewed in conjunction with consultation with legal counsel.

Specific geotechnical mitigation measures will need to be developed by site specific investigations when final site layouts, grading plans and structural details are available. A brief summary of our findings is listed below:

- Our field investigation indicates that the undisturbed portions of the site are primarily underlain by alluvial fan deposits comprised interbedded layers of sandy gravels, silty to clayey sand and poorly graded sand with scattered thin clay lenses.
- Uncontrolled alluvial fill covers approximately 20 acres of the site. Construction in these areas will require some form of mitigation or removal. Site specific design level geotechnical investigations will be required.
- Approximately 13 acres of the site is underlain by up to 22 feet of debris laden landfill materials with an estimated volume of 200,000 cubic yards. The landfill materials will need to be removed or mitigated in some fashion prior to construction over them. Alternatively, the site could be planned around the landfill with appropriate construction or open space placed in the landfill area. These issues need to be addressed in consultation with environmental counsel and the permitting issues explored with the appropriate governing agencies including Carson City and NDEP.
- Groundwater was not encountered during our exploration and is believed to be well below any potential construction depths. It is possible that perched groundwater could be may occur at potential construction depths on a seasonal basis. Exploration of the site should further address this issue and pot holing of the site would be recommended prior to bidding grading and again at the time equipment is mobilized to the site.
- There are no known surface expressions of active faults underlying the site. Potential seismic hazards at the site will likely be associated with possible moderate to strong ground shaking

from an event along regional active faults. Structures should be designed in accordance with the most current version of the IBC as adopted by Carson City.

- Soil corrosion potential data and our local experience indicates that soils are not aggressive for either Type II or Type IP concrete.
- The proposed structures should be able to be supported on conventional shallow foundations in native undisturbed soils or where the uncontrolled fill has been removed and replaced or on deep foundations as determined by site specific design level geotechnical investigations.

5.2 General Soil and Excavation Characteristics

Prior to the commencement of mass grading, the structures that are to be removed should be demolished. Demolition should be monitored by Geocon to confirm the complete removal of foundation elements. Utilities should be removed or abandoned in place as appropriate to the planned construction and as permitted by the specific regulatory agency. If the debris in the landfill area is to be removed from the site, the process should be completed prior to the commencement of general grading.

Clearing and grubbing should require minimal depths over most of the site. In areas of the site where native sagebrush and other vegetation is present, clearing and grubbing will typically require from 2 to 4 inches of removal. Removed materials should be disposed of off site or placed in landscape areas only.

In our opinion, grading and excavations within the alluvial materials (excluding the landfill area) may be accomplished with light to moderate effort with conventional heavy-duty grading/excavation equipment. Excavations are not anticipated to generate significant quantities oversized material (greater than six inches in dimension) that would require special handling or exporting from the site. Some of the native materials will probably require "proof rolling" (NDOT Specifications) rather than conventional nuclear densometer testing due to the amount of gravel.

Excavated soils generated from cut operations at the site including native undisturbed and uncontrolled fill materials are generally suitable for use as engineered fill in structural areas after removal of oversize materials or any organic debris

Fills placed on slopes greater than 10% will require "keying" into the native materials. This will be necessary if the uncontrolled fill is removed and replaced.

Temporary excavations, such as utility trench sidewalls excavated within undisturbed alluvium should remain near-vertical to depths of at least five feet. Some minor sloughing should be expected within some of the cleaner sand lenses. Excavation support per OSHA Standards will need to be strictly enforced.

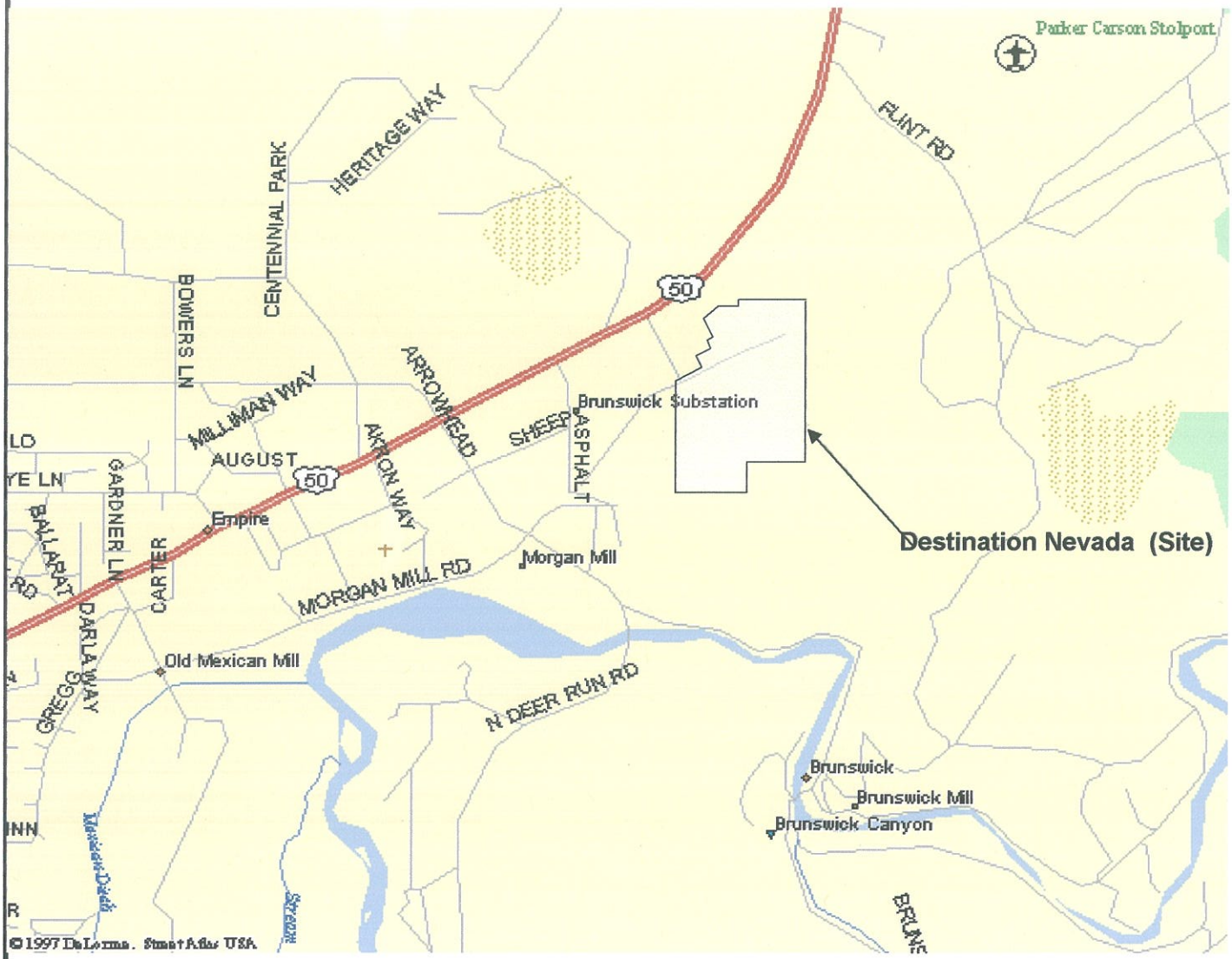
5.3 LIMITATIONS AND UNIFORMITY OF CONDITIONS

The preliminary recommendations of this report pertain only to the site investigated and are based upon the assumption that the soil conditions do not deviate from those disclosed in the investigation. This review is written with the explicit understanding that site specific design level geotechnical investigations will be conducted prior to the construction of any of the planned structures.

This report is issued with the understanding that it is the responsibility of the owner or their representative to ensure that the information and recommendations contained herein are brought to the attention of the design team for the project and incorporated into future project plans.

The findings of this report are valid as of the present date. However, changes in the conditions of a property can occur with the passage of time, whether they be due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated wholly or partially by changes outside our control. Therefore, this report is subject to review and should not be relied upon after a period of two years.

Our professional services were performed, our findings obtained, and our recommendations prepared in accordance with generally accepted geotechnical engineering principles and practices used in Carson City, Nevada in February 2006. No warranty is either expressed or implied.



SITE VICINITY MAP

GEOCON
CONSULTANTS, INC.
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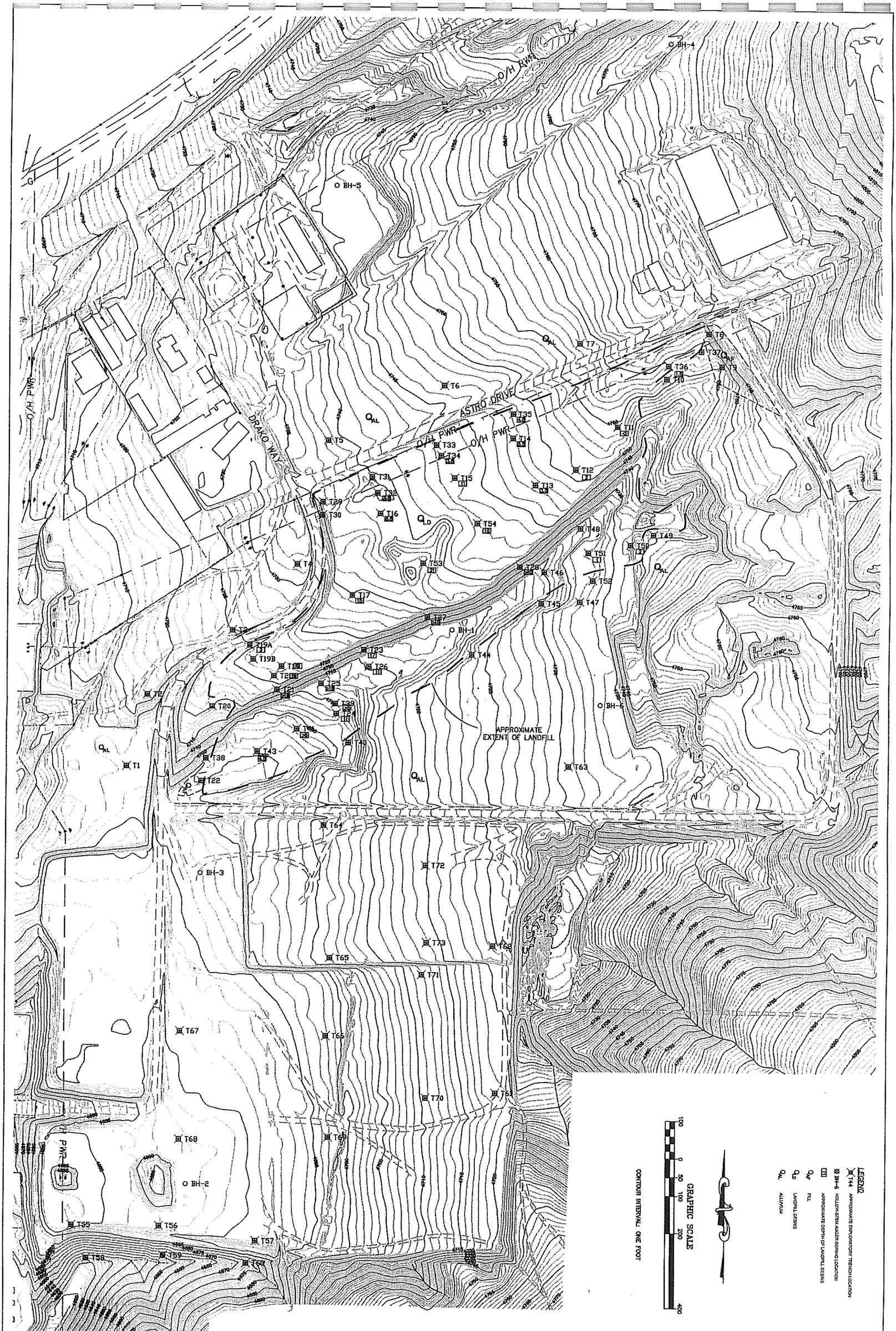
PHONE 775 267-0566 -- FAX 775 267-0728

Destination Nevada		
Carson City, Nevada		
R8259-06-02	Feb-06	Figure 1



GEOCON CONSULTANTS, INC
6107 ARNIE COURT, UNIT B, MINDEN, NEVADA 89423
PHONE 775-267-6444 - FAX 775-267-6728

DATE: 12/20/2005
DRAWN BY: J.L.
CHECKED BY: G.L.
DESIGNED BY: G.L.

February 10, 2006

DESTINATION NEVADA
CARSON CITY, NEVADA

Project No. R8259-06-02

REVISIONS			
NO.	DATE:	BY:	APVD

FIGURE 2

Air Photo-2006

GEOCON
CONSULTANTS, INC.
1167 ANNIE COURT - SUITE B - MINDEN, NV 89423
PHONE 775 267-0566 -- FAX 775 267-0728

Destination Nevada		
Carson City, Nevada		
R8259-06-02	Feb-06	Figure 3

Jun-72 1:15,000

Air Photo-1972

GEOCON
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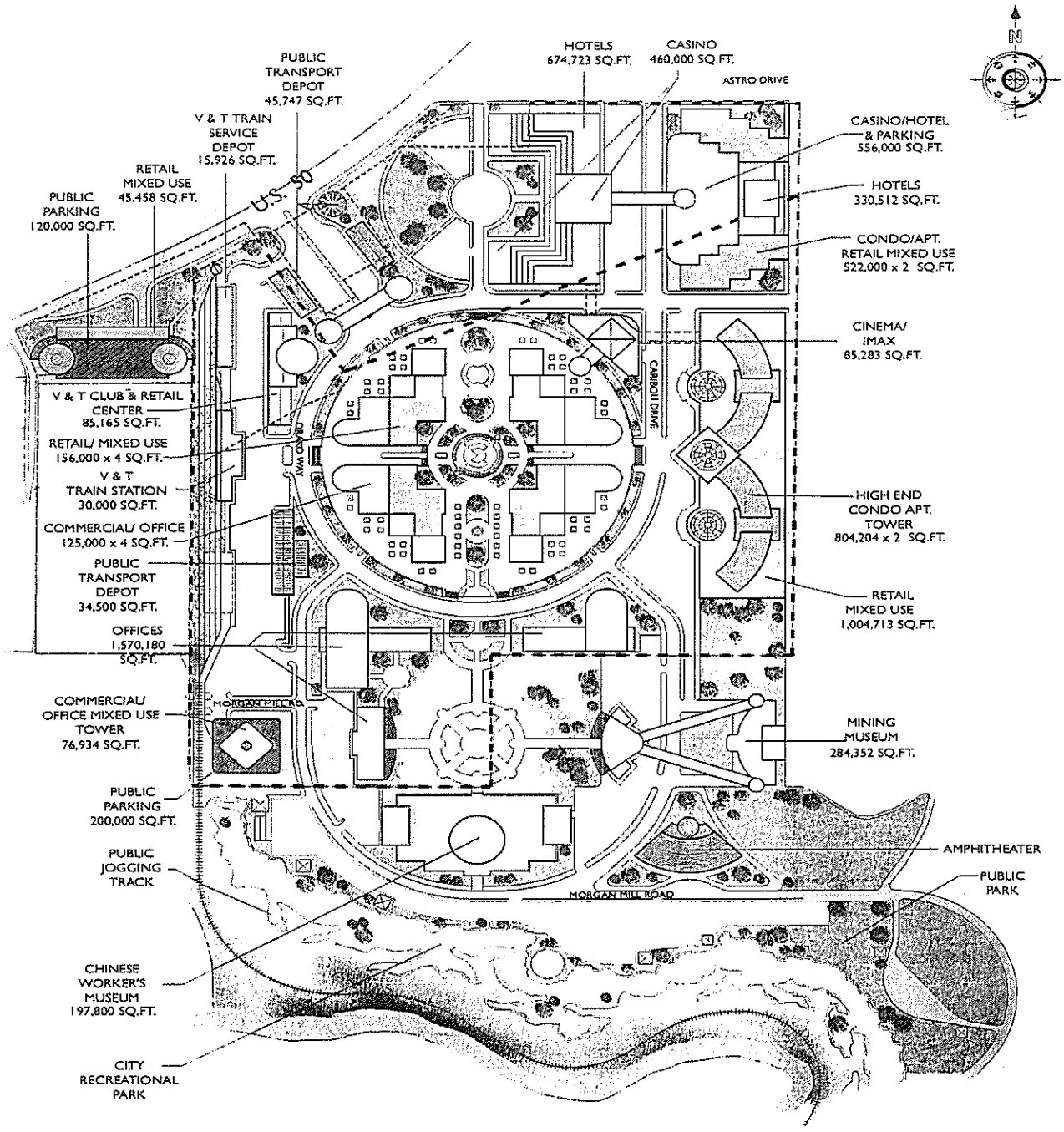
Destination Nevada		
Carson City, Nevada		
R8259-06-02	Feb-06	Figure 4



RETAIL MIXED USE	1,628,713 SQ.FT.	HOTELS	1,025,235 SQ.FT.
CASINO	1,016,000 SQ.FT.	MUSEUM (PUBLIC USE)	482,152 SQ.FT.
RAILROAD STATION & FACILITIES	160,000 SQ.FT.	CONDOMINIUMS	2,652,408 SQ.FT.
COMMERCIAL OFFICE/ MIXED USE BLDGS.	2,070,180 SQ.FT.	PUBLIC FACILITY	364,893 SQ.FT.
CINEMA & IMAX	85,283 SQ.FT.	PUBLIC PARKING STRUCTURE	359,861 SQ.FT.

EST. TOTAL SQUARE FOOTAGE: 9,844,725 SQ FT.

EST. PUBLIC PARKING 10,500 SPACES

FIGURE 5

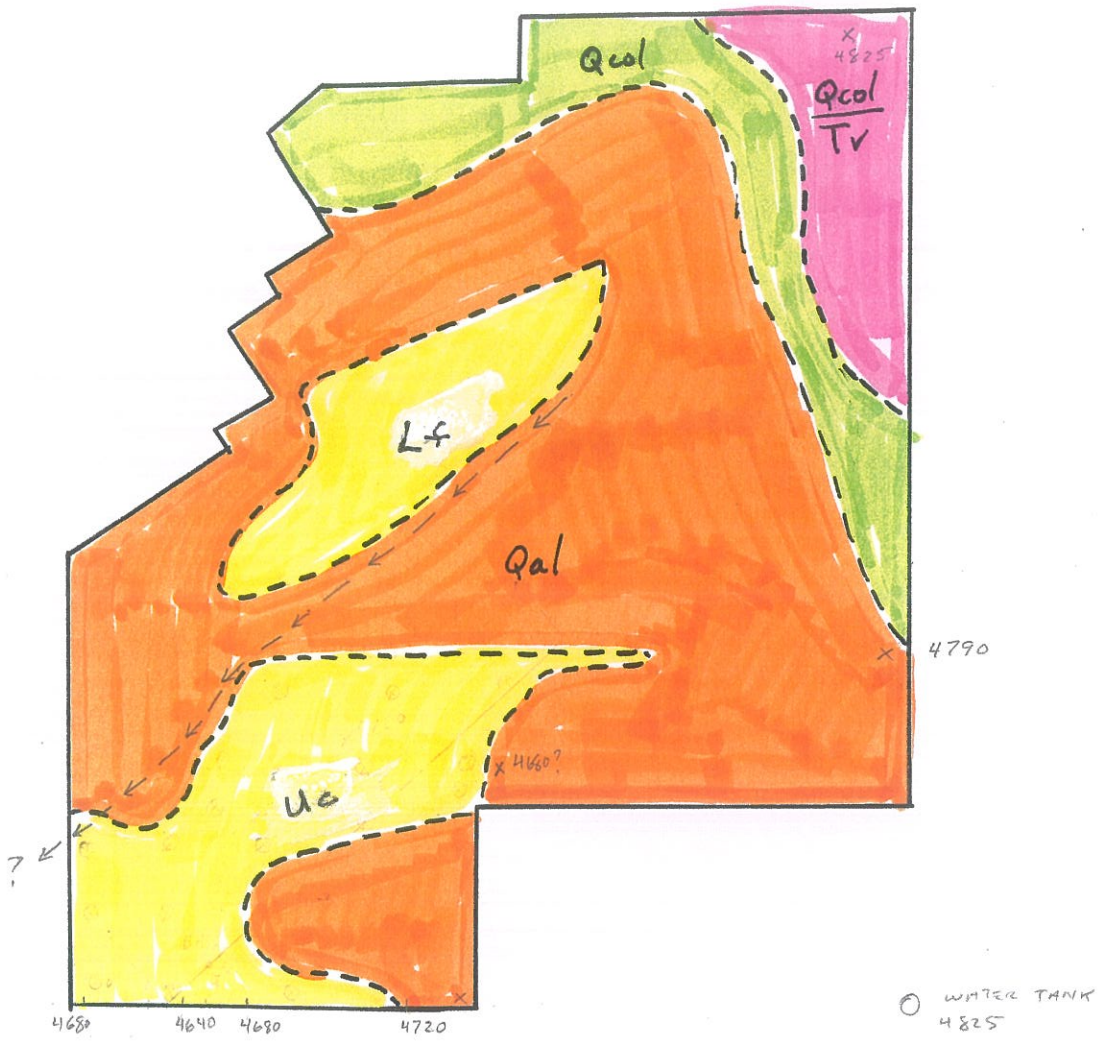
PROJECT

DESTINATION NEVADA

AT CARSON CITY

OVERALL SITE PLAN

HANNAFIN DESIGN ASSOCIATES
Design Development Planning
318 N. CARSON STREET, SUITE 202 CARSON CITY, NV 89701
PHONE: (775)882-6455 FAX: 882-1444
E-MAIL: ahannafin@hdarchitects.com



LEGEND

Uc	Uncontrolled Fill	Qcol	Silty Sand with Cobbles, Gravel and Boulders
Lf	Landfill Area	Qcol/Tv	Silty Sand with Cobbles, Gravel and Boulders over Shallow Andesitic Bedrock
Qal	Sand, Silt, gravel		

Geologic Map

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Destination Nevada

Carson City,
Nevada

R8259-06-02	Feb-06	Figure 6

APPENDIX A

APPENDIX A

FIELD INVESTIGATION

The field investigation was performed in October and November of 2005. The field investigation consisted of the excavation of six exploratory borings (BH-1 through BH-6) and seventy-three exploration test pits (T-1 through T-73) at the approximate locations shown on the Site Plan, Figure 2.

The borings were excavated using a truck-mounted CME 55 drill rig equipped with 8-inch outside diameter (OD) hollow-stem augers. Sampling was accomplished using a 140-pound hammer with a 30-inch drop. Samples were obtained with both a "Standard Penetration Sampler" (1.4 inch ID) and a 2.5-inch OD, split spoon California sampler. The number of blows required to drive the sampler the last 12 inches of the 18-inch sampling interval were recorded on the boring logs. Upon completion, the borings were backfilled with native cuttings in accordance with State of Nevada standards.

The exploratory test pits were excavated by the use of trackhoes and rubber tired backhoes. The specific equipment is noted on the exploratory logs. Approximately fifty of the test trenches were intended to define the limits of the old "Ormsby County Landfill" and to allow for both geotechnical and environmental sampling. Samples for both environmental and geotechnical purposes were recovered by bulk sampling techniques. Geotechnical test data is included in Appendix B. Environmental test data has been transmitted to the client under separate cover.

The soil conditions encountered in the borings and test pits were visually examined, classified, and logged in general accordance with the American Society for Testing and Materials (ASTM) Practice for Description and Identification of Soils (Visual – Manual Procedure D2488-90). The logs of the exploratory excavations are presented herein.

COMMENTS:

LOG OF BORING No. BH-1

LOGGED BY: J. HARRIS DATE: 11/3/05

EQUIPMENT: CME 55

TOTAL DEPTH: 3.0 WATER DEPTH:

MISC. TESTS	R VALUE	UNIT DRY WEIGHT, PCF	WATER CONTENT, %	LIQUID LIMIT, %	PLASTICITY INDEX, %	PASSING NO. 200 SIEVE, %	DEPTH, FT	SYMBOL	SAMPLE	DESCRIPTION / CLASSIFICATION	LAYER ELEV./ DEPTH
										SURFACE ELEVATION: 4720.0	
										Silty Sand: loose, dry, yel brn, w/ grav, trash & debris FILL	
											4717.0 3.0

LOG OF BORING DESTINATION NEVADA.GPJ GEOCON NV.GDT 2/8/06

GEOCON CONSULTANTS, INC

PROJECT:

Destination Nevada
Carson City

JOB NO.: R8259-06-01 DATE: 11/7/05

Figure-1

COMMENTS:

LOG OF BORING No. BH-2

LOGGED BY: J. HARRIS DATE: 11/3/05

EQUIPMENT: CME 55

TOTAL DEPTH: 16.0 WATER DEPTH:

MISC. TESTS	R VALUE	UNIT DRY WEIGHT, PCF	WATER CONTENT, %	LIQUID LIMIT, %	PLASTICITY INDEX, %	PASSING NO. 200 SIEVE, %	DEPTH, FT	SYMBOL	SAMPLE	DESCRIPTION / CLASSIFICATION	LAYER ELEV./ DEPTH
										SURFACE ELEVATION: 4720.0	
										Silty SAND: med dense, moist, yel brn- drk brn w/ grav FILL	
							5				4715.0
										SILT: v stiff, moist, gy brn, w/ sparse gravel probably Alluvium	5.0
											4711.0
										Silty CLAY: consistency uncertain, moist, yel brn,	9.0
							10			ALLUVIUM	4710.5
										Silty SAND: dense, - v dense, moist, orange-yel brn, w/ gravel, ALLUVIUM	9.5
											4707.0
										Sandy SILT: stiff- v stiff, moist, gy, w/ black spots, sparse grav, w/ clay, ALLUVIUM	13.0
							15				4704.0
											16.0

LOG OF BORING DESTINATION NEVADA.GPJ GEOCON NV.GDT 2/8/06

GEOCON CONSULTANTS INC

PROJECT:

Destination Nevada
Carson City

JOB NO.: R8259-06-01 DATE: 11/7/05

Figure-2

COMMENTS:

LOG OF BORING No. BH-3

LOGGED BY: J. HARRIS DATE: 11/3/05

EQUIPMENT: CME 55

TOTAL DEPTH: 7.8 WATER DEPTH:

MISC. TESTS	R VALUE	UNIT DRY WEIGHT, PCF	WATER CONTENT, %	LIQUID LIMIT, %	PLASTICITY INDEX, %	PASSING NO. 200 SIEVE, %	DEPTH, FT	SYMBOL	SAMPLE	DESCRIPTION / CLASSIFICATION	LAYER ELEV./ DEPTH
										SURFACE ELEVATION: 4720.0	
										SILT: stiff, moist, gy, w/ gravel, COLLUVIUM/ EOLIAN	4718.8 1.2
										Silty SAND: dense, moist, yel brn, w/ gravel, ALLUVIUM	
							5				4715.0 5.0
										Sandy SILT: stiff, moist, gy, w/ black spots, w/ gravel, ALLUVIUM	
											4712.7 7.3
										Silty SAND: v dense, moist, orange- yel brn, / gravel, oxid, ALLUVIUM	4712.2 7.8

LOG OF BORING DESTINATION NEVADA.GPJ GEOCON NV.GDT 2/8/06

GEOCON CONSULTANTS, INC

PROJECT:

Destination Nevada
Carson City

JOB NO.: R8259-06-01 DATE: 11/7/05

Figure-3

COMMENTS:

LOG OF BORING No. BH-4

LOGGED BY: J. HARRIS DATE: 11/3/05

EQUIPMENT: CME 55

TOTAL DEPTH: 5.8 WATER DEPTH:

MISC. TESTS	R VALUE	UNIT DRY WEIGHT, PCF	WATER CONTENT, %	LIQUID LIMIT, %	PLASTICITY INDEX, %	PASSING NO. 200 SIEVE, %	DEPTH, FT	SYMBOL	SAMPLE	DESCRIPTION / CLASSIFICATION	LAYER ELEV./ DEPTH
										SURFACE ELEVATION: 4760.0	
										Silty SAND: loose -dense, dry - moist, red brn, w/ grav and cob, COLLUVIUM	
											4756.5 3.5
							5			Silty GRAVEL: v dense, dry - sli moist, lt red brn, w/ sand, refusal at 5.8 ft, COLLUVIUM	4754.2 5.8

LOG OF BORING DESTINATION NEVADA.GPJ GEOCON NV.GDT 2/8/06

GEOCON CONSULTANTS, INC

PROJECT:

Destination Nevada
Carson City

JOB NO.: R8259-06-01 DATE: 11/7/05

Figure-4

COMMENTS:

LOG OF BORING No. BH-5

LOGGED BY: J. HARRIS DATE: 11/3/05

EQUIPMENT: CME 55

TOTAL DEPTH: 1.6 WATER DEPTH:

MISC. TESTS	R VALUE	UNIT DRY WEIGHT, PCF	WATER CONTENT, %	LIQUID LIMIT, %	PLASTICITY INDEX, %	PASSING NO. 200 SIEVE, %	DEPTH, FT	SYMBOL	SAMPLE	DESCRIPTION / CLASSIFICATION	LAYER ELEV./ DEPTH
										SURFACE ELEVATION: 4730.0	
										Silty SAND: loose- very dense, dry - moist, gy brn - red brn, w/ gravel, hammer bounce/ refusal at 1.6 ft COLLUVIUM	4728.4 1.6

LOG OF BORING DESTINATION NEVADA.GPJ GEOCON NV.GDT 2/8/06

GEOCON CONSULTANTS, INC

PROJECT:

Destination Nevada
Carson City

JOB NO.: R8259-06-01 DATE: 11/7/05

Figure-5

COMMENTS:

LOG OF BORING No. BH-6

LOGGED BY: J. HARRIS DATE: 11/3/05

EQUIPMENT: CME 55

TOTAL DEPTH: 5.9 WATER DEPTH:

MISC. TESTS	R VALUE	UNIT DRY WEIGHT, PCF	WATER CONTENT, %	LIQUID LIMIT, %	PLASTICITY INDEX, %	PASSING NO. 200 SIEVE, %	DEPTH, FT	SYMBOL	SAMPLE	DESCRIPTION / CLASSIFICATION	LAYER ELEV./ DEPTH
										SURFACE ELEVATION: 4750.0	
										Silty SAND: loose- med dense, dry - moist, lt yel brn, w/ gravel, cob ALLUVIUM	
											4747.0
										SILT: v stiff, dry- sli moist, gy, w/ oxid, sparse fn gravel, ALLUVIUM	3.0
							5				
											4744.1
											5.9

LOG OF BORING DESTINATION NEVADA.GPJ GEOCON NV.GDT 2/8/06

GEOCON CONSULTANTS, INC

PROJECT:

Destination Nevada
Carson City

JOB NO.: R8259-06-01 DATE: 11/7/05

Figure-6

COMMENTS:

LOG OF BORING No. BH-7

LOGGED BY: J. HARRIS DATE: 11/3/05

EQUIPMENT: CME 55

TOTAL DEPTH: 10.9 WATER DEPTH:

MISC. TESTS	R VALUE	UNIT DRY WEIGHT, PCF	WATER CONTENT, %	LIQUID LIMIT, %	PLASTICITY INDEX, %	PASSING NO. 200 SIEVE, %	DEPTH, FT	SYMBOL	SAMPLE	DESCRIPTION / CLASSIFICATION	LAYER ELEV./ DEPTH
										SURFACE ELEVATION: 4740.0	
										Silty SAND: loose, dry, lt brn, w/ gravel, w/ debris, FILL	4739.9 0.1
										Silty SAND: med dense, moist, drk brn, w/ gravel, ALLUVIUM	
											4737.5
										Sandy GRAVEL: dense - v dense, moist, brn - yel brn- gy, w/ silt, ALLUVIUM	2.5
							5				
											4734.3
										Silty SAND: med dense, moist, yel brn, ALLUVIUM	5.7
							10				
											4729.6
										Sandy SILT: v dense, dry - sli moist, lt brn w/ black spots ALLUVIUM	10.4 4729.1 10.9

LOG OF BORING DESTINATION NEVADA.GPJ GEOCON NV.GDT 2/8/06

GEOCON CONSULTANTS, INC

PROJECT:

Destination Nevada
Carson City

JOB NO.: R8259-06-01 DATE: 11/7/05

Figure-7

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	**TRENCH T1** ELEV. (MSL.) _____ DATE COMPLETED **10/18/2005** EQUIPMENT **JD 310G BACKHOE**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				GW	**ALLUVIUM** Very dense to cemented, slightly moist, brown, well-graded Silty SAND and sub-angular gravel			
2								
					TRENCH TERMINATED AT 3 FEET			

Figure 1, Log of Trench T1, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 01/31/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▨ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◣ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T2

ELEV. (MSL.) _____ DATE COMPLETED **10/18/2005**

EQUIPMENT **JD 310G BACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				ML	**ALLUVIUM** Loose to firm, dry to damp, brown, fine Sandy SILT with some sub-angular gravel			
2				ML	Very firm to hard, damp, brown, very fine Sandy SILT, with some clay and pebble-sized rock			
					TRENCH TERMINATED AT 3.5 FEET			

Figure 2, Log of Trench T2, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 01/31/06

SAMPLE SYMBOLS

☐ ... SAMPLING UNSUCCESSFUL ◧ ... STANDARD PENETRATION TEST ■ ... DRIVE SAMPLE (UNDISTURBED)

▨ ... DISTURBED OR BAG SAMPLE ◣ ... CHUNK SAMPLE ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T3

ELEV. (MSL.) _____ DATE COMPLETED **10/18/2005**

EQUIPMENT **JD 310G BACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				ML	**ALLUVIUM** Loose to firm, dry to damp, fine Sandy SILT			
				ML	Hard, damp, brown, fine Sandy SILT, with trace clay and pebble-sized rock			
2				SW/GW	Very dense, damp, moist, Clayey fine to medium SAND, with pebble-sized rock			
					TRENCH TERMINATED AT 3.5 FEET			

Figure 3, Log of Trench T3, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 01/31/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T4 ELEV. (MSL.)_____ DATE COMPLETED **10/18/2005** EQUIPMENT **JD 310G BACKHOE**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SM GW	**ALLUVIUM** Loose to firm, dry to damp, Silty fine SAND, with clay and some gravel Hard, damp, light brown, Clayey fine SAND and GRAVEL			
2								
					TRENCH TERMINATED AT 3.5 FEET			

Figure 4, Log of Trench T4, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 01/31/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▨ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◪ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T5

ELEV. (MSL.)_____ DATE COMPLETED **10/18/2005**

EQUIPMENT **JD 310G BACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**ALLUVIUM** Loose, dry, brown, Silty fine SAND			
				CL	Hard, damp to slightly moist, brown, fine Sandy CLAY, with minor caliche			
2				GW	Very dense, damp, brown, Clayey fine to medium SAND, with gravel			
					TRENCH TERMINATED AT 3.5 FEET			

Figure 5, Log of Trench T5, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 01/31/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▮ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◣ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T6 ELEV. (MSL.) _____ DATE COMPLETED **10/18/2005** EQUIPMENT **JD 310G BACKHOE**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SM GC	**ALLUVIUM** Loose, dry, brown, Silty fine SAND Stiff to hard, damp, brown, Sandy CLAY and GRAVEL			
2				GW	Dense, damp, brown, Clayey fine SAND and GRAVEL, caliche lenses			
					TRENCH TERMINATED AT 3 FEET			

Figure 6, Log of Trench T6, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 01/31/06

SAMPLE SYMBOLS

☐ ... SAMPLING UNSUCCESSFUL ◧ ... STANDARD PENETRATION TEST ■ ... DRIVE SAMPLE (UNDISTURBED)

▨ ... DISTURBED OR BAG SAMPLE ◪ ... CHUNK SAMPLE ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T7 ELEV. (MSL.) _____ DATE COMPLETED **10/18/2005** EQUIPMENT **JD 310G BACKHOE**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SM	**ALLUVIUM** Loose, dry, brown, Silty fine SAND			
				CL	Firm to stiff, damp, brown, fine Sandy CLAY, with gravel and caliche lenses			
2				SM	Dense, damp, brown, Silty fine SAND, with calich stringers and gravel			
4					TRENCH TERMINATED AT 4.5 FEET			

Figure 7, Log of Trench T7, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 01/31/06

SAMPLE SYMBOLS

☐ ... SAMPLING UNSUCCESSFUL ◧ ... STANDARD PENETRATION TEST ■ ... DRIVE SAMPLE (UNDISTURBED)

⊠ ... DISTURBED OR BAG SAMPLE ◪ ... CHUNK SAMPLE ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T8

ELEV. (MSL.) _____ DATE COMPLETED **10/18/2005**

EQUIPMENT **JD 310G BACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0								
				ML	**FILL** Loose, dry, light tan, Silty fine SAND, with some gravel			
2				SM	**ALLUVIUM** Medium dense, dry, brown, Silty very fine SAND			
				CL	Stiff to hard, slightly moist, brown, fine Sandy CLAY, with claiche stringers			
4					TRENCH TERMINATED AT 4.5 FEET			

Figure 8, Log of Trench T8, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 01/31/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▮ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◣ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T9

ELEV. (MSL.) _____ DATE COMPLETED **10/18/2005**

EQUIPMENT **JD 310G BACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				ML	**FILL** Loose, dry, light tan, Silty fine SAND, with some gravel			
2				SM/SC	**ALLUVIUM** Very dense, slightly moist, brown, Silty to Clayey fine SAND			
4					- gravel to small boulder-sized rock			
					TRENCH TERMINATED AT 5.5 FEET			

Figure 9, Log of Trench T9, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 01/31/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▯ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▨ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T10 ELEV. (MSL.) _____ DATE COMPLETED **10/18/2005** EQUIPMENT **JD 310G BACKHOE**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SM CL	**ALLUVIUM** Loose, dry, light tan, Silty fine SAND, with gravel Firm to stiff, slightly moist, brown, fine Sandy CLAY, with caliche stringers			
2								
4					TRENCH TERMINATED AT 5.5 FEET			

Figure 10, Log of Trench T10, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 01/31/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T11

ELEV. (MSL.) _____ DATE COMPLETED **10/18/2005**

EQUIPMENT **JD 310G BACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0								
				SC/GW	**FILL** Loose to firm, SAND, CLAY and GRAVEL mixture			
2				CL	**ALLUVIUM** Firm to medium dense, moist, brown, fine Sandy CLAY			
				CL	Hard, slightly moist, light brown, fine Sandy CLAY, with caliche			
4					TRENCH TERMINATED AT 4.5 FEET			

Figure 11, Log of Trench T11, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 01/31/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▨ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◪ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T12

ELEV. (MSL.) _____ DATE COMPLETED **10/18/2005**

EQUIPMENT **JD 310G BACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**COVER FILL**			
	T12-1 1610 PID = 0			ML	**LANDFILL DEBRIS** Loose, dark brown, fine Sandy SILT with glass and metal debris			
2				GW	**ALLUVIUM** Very dense, damp, brown, Clayey SAND and GRAVEL			
	T12-3 1620 PID = 0							
4					TRENCH TERMINATED AT 4.5 FEET			

Figure 12, Log of Trench T12, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/06/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◣ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T13

ELEV. (MSL.) _____ DATE COMPLETED **10/18/2005**

EQUIPMENT **JD 310G BACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**COVER FILL**			
2				ML	**LANDFILL DEBRIS** Loose, dark brown, fine Sandy SILT with glass and metal debris			
4	T13-3 1625 PID = 0 T13-4 1630d PID = 0			SC	**ALLUVIUM** Firm, moist, brown, Sandy CLAY, with gravel			
					TRENCH TERMINATED AT 5 FEET			

Figure 13, Log of Trench T13, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/01/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▨ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◪ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T14

ELEV. (MSL.) _____ DATE COMPLETED **10/18/2005**

EQUIPMENT **JD 310G BACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**COVER FILL**			
2				ML	**LANDFILL DEBRIS** Loose, damp, dark brown, fine Sandy SILT, - glass fragments, bottles, metal, plastic, wood, concrete			
4	T14-4 1645 PID = 0							
6	T14-6 1650 PID = 32			SC	**ALLUVIUM** Stiff, moist, brown grayish/green, fine Sandy CLAY, with strong petroleum hydrocarbon odor			
8				ML	Very stiff, damp, light brown, very fine Sandy SILT			
10	T14-9 0730 PID = 0							
12				GW	Very dense, damp, brown, Silty fine SAND and GRAVEL			
14	T14-14 0745 PID = 0				TRENCH TERMINATED AT 14.5 FEET			

Figure 14, Log of Trench T14, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/01/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▥ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◪ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T15

ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005**

EQUIPMENT **JD 310G BACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0								
					COVER FILL			
2	T15-2 0805 PID = 0			SM/ML	**LANDFILL DEBRIS** Loose, damp, dark brown to black, Silty SAND and fine Sandy SILT, with glass fragments, metal and burnt wood			
4	T15-4 0810 PID = 0							
6					landfill debris with abundant glass, bottles, metal debris			
8								
10	T15-9 0815 PID = 0							
12				CL	**ALLUVIUM** Firm, moist, brown, fine Sandy CLAY			
14	T15-14 0830 PID = 0			ML	- grades to: Hard, damp, tan, fine Sandy SILT			
					TRENCH TERMINATED AT 15 FEET			

Figure 15, Log of Trench T15, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/01/06

SAMPLE SYMBOLS

☐ ... SAMPLING UNSUCCESSFUL ◧ ... STANDARD PENETRATION TEST ■ ... DRIVE SAMPLE (UNDISTURBED)

⊠ ... DISTURBED OR BAG SAMPLE ◪ ... CHUNK SAMPLE ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T16

ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005**

EQUIPMENT **JD 310G BACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0								
2	T16-2 0840 PID = 0			ML	**LANDFILL DEBRIS** Abundant concrete rubble and one tire near surface Loose, dry to damp, dark brown, fine Sandy SILT with abundant glass fragments, bottles, metal brick, and wood debris			
4								
6								
8	T16-7 0850 PID = 0			GW	**ALLUVIUM** Firm to hard, damp, brown, fine Sandy SILT and CLAY, with gravel and claiche stringers			
10								
					TRENCH TERMINATED AT 11 FEET			

Figure 16, Log of Trench T16, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/01/06

SAMPLE SYMBOLS

☐ ... SAMPLING UNSUCCESSFUL ◧ ... STANDARD PENETRATION TEST ■ ... DRIVE SAMPLE (UNDISTURBED)

▨ ... DISTURBED OR BAG SAMPLE ◪ ... CHUNK SAMPLE ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T17

ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005**

EQUIPMENT **JD 310G BACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				ML	**LANDFILL DEBRIS** - car frame near surface			
2								
4	T17-3 0920 PID = 0				Loose, dry to damp, dark brown, fine Sandy SILT and Silty fine SAND, with abundant glass fragments, bottles, metal, brick			
6								
8								
10								
12	T17-12 0930 PID = 0							
14								
16	T17-16 0940 PID = 0			ML	**ALLUVIUM** Stiff to hard, damp, brown, fine Sandy SILT			
					TRENCH TERMINATED AT 16.5 FEET			

Figure 17, Log of Trench T17, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/01/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T18

ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005**

EQUIPMENT **JD 310G BACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0								
					COVER FILL			
				ML	**LANDFILL DEBRIS**			
2								
					Loose, dry to damp, dark brown, fine Sandy SILT and Silty fine SAND, with abundant glass fragments, bottles, metal, brick			
4								
	T18-COMP 0945 PID = 0							
6								
8								
10								
				ML	**ALLUVIUM** Hard, damp, tan, fine Sandy SILT			
12								
14	T18-14 0950 PID = 0							
					TRENCH TERMINATED AT 14.5 FEET			

Figure 18, Log of Trench T18, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/01/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▨ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◪ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	**TRENCH T19** ELEV. (MSL.)_____ DATE COMPLETED **10/19/2005** EQUIPMENT **JD 310G BACKHOE**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0	T19-0-3 1010 PID = 0				**LANDFILL DEBRIS** - with abundant brick and glass fragments			
2								
4				GW	**ALLUVIUM** Firm to hard, damp, brown, fine Sandy CLAY and GRAVEL, clayey sand			
6					TRENCH TERMINATED AT 6 FEET			

Figure 19, Log of Trench T19, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/01/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▨ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◪ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T20 ELEV. (MSL.)_____ DATE COMPLETED **10/19/2005** EQUIPMENT **JD 310G BACKHOE**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SM/CL	**ALLUVIUM** Loose, dry, dark brown, Silty SAND and firm, moist, Sandy CLAY			
2				GW	Dense to hard, damp, brown, Clayey SAND/Sandy CLAY with gravel			
4					TRENCH TERMINATED AT 4 FEET			

Figure 20, Log of Trench T20, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 01/31/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▥ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◪ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T21 ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005** EQUIPMENT **JD 310G BACKHOE**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				ML/SM	**LANDFILL DEBRIS** Loose, dry, brown, fine Sandy SILT/Silty SAND with gravel, concrete/asphalt slabs, plastic, and metals debris			
2								
4	T21-3 1220 PID = 0				no burn ash			
6								
8				SM	Loose, dry, brown, fine Silty SAND			
10					- Note: at 30' from top of slope, fill contains ash and debris (car frame) to 16'			
12								
14								
16								
18					TRENCH TERMINATED AT 18 FEET			

Figure 21, Log of Trench T21, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/01/06

SAMPLE SYMBOLS

☐ ... SAMPLING UNSUCCESSFUL ◧ ... STANDARD PENETRATION TEST ■ ... DRIVE SAMPLE (UNDISTURBED)

⊠ ... DISTURBED OR BAG SAMPLE ◪ ... CHUNK SAMPLE ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T22

ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005**

EQUIPMENT **JD 310**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0								
				SM	**FILL** Loose, dry, brown, Silty SAND with gravel 10 ml visqueen			
2	T22-2 1250 PID = 0			SM/ML	**ALLUVIUM** Medium dense to dense, dry, Silty SAND/Sandy SILT			
4								
					TRENCH TERMINATED AT 5.5 FEET			

Figure 22, Log of Trench T22, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/01/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◥ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	**TRENCH T23** ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005** EQUIPMENT **JD 310G BACKHOE**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0					**COVER FILL**			
2				SM	**LANDFILL DEBRIS** - glass, metal, concrete debris, tire, wire, cable Loose, dry to damp, dark brown, Silty fine SAND			
4	T23-COMP 1350 PID = 0							
6								
8								
10								
12								
14								
16								
					TRENCH TERMINATED AT 17 FEET			

Figure 23, Log of Trench T23, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/01/06

SAMPLE SYMBOLS

☐ ... SAMPLING UNSUCCESSFUL
◧ ... STANDARD PENETRATION TEST
■ ... DRIVE SAMPLE (UNDISTURBED)
▨ ... DISTURBED OR BAG SAMPLE
◪ ... CHUNK SAMPLE
▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T24

ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005**

EQUIPMENT **JD 310G BACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**COVER FILL**			
2				SM	**LANDFILL DEBRIS** - ash, brick, glass, and metal debris Loose, dry to damp, dark brown, Silty fine SAND			
4								
6								
8								
10								
12				ML	**ALLUVIUM** Slightly cemented, damp, brown, fine Sandy SILT			
					TRENCH TERMINATED AT 13 FEET			

Figure 24, Log of Trench T24, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 01/31/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▨ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◪ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T25 ELEV. (MSL.) _____ DATE COMPLETED 10/19/2005 EQUIPMENT JD 310G BACKHOE	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0					**COVER FILL**			
2								
4				SM	**LANDFILL DEBRIS**			
6					Loose, damp to moist, dark brown, Silty fine SAND, with ash, concrete blocks, timber, glass, metals, pipe, tires, plastic wrapping			
8								
10								
12					- some grayish green Sandy CLAY (sludge), with organic odor			
14								
16								
18	T25-18 1430 PID = 4.0				TRENCH TERMINATED AT 18 FEET			

Figure 25, Log of Trench T25, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/01/06

SAMPLE SYMBOLS

☐ ... SAMPLING UNSUCCESSFUL ◧ ... STANDARD PENETRATION TEST ■ ... DRIVE SAMPLE (UNDISTURBED)

⊠ ... DISTURBED OR BAG SAMPLE ◪ ... CHUNK SAMPLE ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T26

ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005**

EQUIPMENT **JD 310G BACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0								
				CL	**LANDFILL DEBRIS**			
2	T26-3 1515 PID = 0				Firm, damp, grayish green, Silty fine Sandy CLAY (sludge), with roots, branches, and organic odor			
4								
6								
8								
10								
				ML	**ALLUVIUM**			
12					Firm to stiff, damp, brown, fine Sandy SILT			
14								
					TRENCH TERMINATED AT 15.5 FEET			

Figure 26, Log of Trench T26, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/06/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▮ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▨ ... DISTURBED OR BAG SAMPLE
- ◣ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T27

ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005**

EQUIPMENT **JD 310G BACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**COVER FILL** Loose, dry, light gray, Silty fine SAND			
10					TRENCH TERMINATED AT 10 FEET TRENCH COLLAPSED			

Figure 27, Log of Trench T27, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 01/31/06

SAMPLE SYMBOLS

☐ ... SAMPLING UNSUCCESSFUL ◧ ... STANDARD PENETRATION TEST ■ ... DRIVE SAMPLE (UNDISTURBED)

▨ ... DISTURBED OR BAG SAMPLE ◪ ... CHUNK SAMPLE ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T28 ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005** EQUIPMENT **JD 310G BACKHOE**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SM	**COVER FILL** Loose, dry, light gray, Silty fine SAND			
2								
4								
6								
8								
10					TRENCH TERMINATED AT 10 FEET TRENCH COLLAPSED			

Figure 28, Log of Trench T28, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 01/31/06

SAMPLE SYMBOLS

☐ ... SAMPLING UNSUCCESSFUL ◧ ... STANDARD PENETRATION TEST ■ ... DRIVE SAMPLE (UNDISTURBED)

▨ ... DISTURBED OR BAG SAMPLE ◪ ... CHUNK SAMPLE ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T29

ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005**

EQUIPMENT **JD 310**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM GC	**LANDFILL DEBRIS** Loose, dry, dark yellowish brown, Silty SAND with gravel and occasional debris			
2				SM	**ALLUVIUM** Dense, dry, dark brown, Clayey GRAVEL Dense, dry, dark yellowish brown, Silty SAND with gravel and cobbles			
					TRENCH TERMINATED AT 3 FEET			

Figure 29, Log of Trench T29, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/02/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T30 ELEV. (MSL.) _____ DATE COMPLETED 10/19/2005 EQUIPMENT JD 310	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SM	**COVER FILL** Loose, dry, dark yellowish brown, Silty SAND			
					LANDFILL DEBRIS - tires, glass wood ash, fabricated metal, wire, plastic			
2					TRENCH TERMINATED AT 2.5 FEET			

Figure 30, Log of Trench T30, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/02/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▯ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▨ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T31

ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005**

EQUIPMENT **JD 310**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**ALLUVIUM** Loose, dry, dark yellowish brown, Silty SAND with gravel and cobbles			
				SC/CL	Dense, slightly moist, dark brown to yellowish brown, Sandy Gravelly CLAY/Clayey SAND			
2					TRENCH TERMINATED AT 2.5 FEET			

Figure 31, Log of Trench T31, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/02/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▨ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T32 ELEV. (MSL.) _____ DATE COMPLETED 10/19/2005 EQUIPMENT JD 310	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0					**LANDFILL DEBRIS** - Concrete slab 10-12" thick, CMU, red brick, rebar, trace glass, wire			
2								
4				GM	**ALLUVIUM** Dense, slightly moist, dark yellowish brown, Silty Sandy GRAVEL with cobbles			
					TRENCH TERMINATED AT 5 FEET			

Figure 32, Log of Trench T32, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/02/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▣ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T34 ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005** EQUIPMENT **JD 310**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0					**LANDFILL DEBRIS** - glass, plastic, bags, wire, fabricated metals, wood and ash			
2								
4				SC	**ALLUVIUM** Dense, moist, dark yellowish brown, Clayey SAND with caliche at 4'			
					TRENCH TERMINATED AT 4 FEET			

Figure 33, Log of Trench T34, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/02/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▣ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▨ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T33

ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005**

EQUIPMENT **JD 310**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0								
					LANDFILL DEBRIS			
2								
				SC	**ALLUVIUM**			
4					TRENCH TERMINATED AT 4 FEET			

Figure 34, Log of Trench T33, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/02/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◹ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T35

ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005**

EQUIPMENT **JD 310**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**COVER FILL** Loose, dry, dark yellowish brown, Silty SAND			
2					**LANDFILL DEBRIS** Debris laden fill: Sheet metal, Chain, wire, trace glass and plastic			
4								
				CL	**ALLUVIUM** Stiff, moist, yellowish brown, Sandy CLAY			
6				SM	Medium dense, dry, dark yellowish brown, Silty SAND			
					TRENCH TERMINATED AT 7 FEET			

Figure 35, Log of Trench T35, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/02/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▯ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▨ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T36 ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005** EQUIPMENT **JD 310**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SM	**LANDFILL DEBRIS** Loose, dry, yellow, Silty SAND 1" ash layer			
2				SC/CL	- box spring, lumber **ALLUVIUM** Dense, slightly moist, dark brown, Clayey SAND/Sandy CLAY with fine gravel, silt lense			
					TRENCH TERMINATED AT 3 FEET			

Figure 36, Log of Trench T36, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/02/06

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T37

ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005**

EQUIPMENT **JD 310**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				CL	**ALLUVIUM** Stiff, dry, dark brown, Sandy CLAY			
				GM	Dense, dry, dark yellowish brown, Sandy GRAVEL with claiche and cobbles			
2					TRENCH TERMINATED AT 2.5 FEET			

Figure 37, Log of Trench T37, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/02/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▨ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T38 ELEV. (MSL.)_____ DATE COMPLETED 10/19/2005 EQUIPMENT JD 310	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				CL	**ALLUVIUM** Hard, dry, dark brown, Silty CLAY with gravel			
				SM	Very dense, dry, yellowish brown, caliche cemented, Silty SAND			
					REFUSAL - TRENCH TERMINATED AT 1.5 FEET			

Figure 38, Log of Trench T38, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/02/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◺ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T39

ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005**

EQUIPMENT **JD 310**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**COVER FILL** Loose, dry, dark yellowish brown, Silty SAND			
2								
4					**LANDFILL DEBRIS** - glass, lots of ash			
					TRENCH TERMINATED AT 5 FEET			

Figure 41, Log of Trench T39, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/02/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▯ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◹ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T40

ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005**

EQUIPMENT **JD 310**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				ML	**ALLUVIUM** Loose, dry, yellowish brown, fine Sandy SILT			
2				CL/ML	Dense, dry, Silty CLAY to cemented SILT			
					TRENCH TERMINATED AT 3.75 FEET			

Figure 42, Log of Trench T40, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/02/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▨ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◪ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T41

ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005**

EQUIPMENT **JD 310**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0								
				SM	**COVER FILL** Loose, dry, dark yellowish brown, Silty SAND			
2								
4				SM	**LANDFILL DEBRIS** - Silty SAND with 1-3' concrete slab, 4-6" thick			
6								
8					TRENCH TERMINATED AT 8 FEET			

Figure 43, Log of Trench T41, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/02/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▣ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	**TRENCH T42** ELEV. (MSL.)_____ DATE COMPLETED **10/19/2005** EQUIPMENT **JD 310**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SM/GM	**ALLUVIUM** Loose to medium dense, dry, dark yellowish brown, Silty SAND with sandy gravel			
2								
4					12-inch cobbles			
6					TRENCH TERMINATED AT 6 FEET			

Figure 44, Log of Trench T42, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/02/06

SAMPLE SYMBOLS

☐ ... SAMPLING UNSUCCESSFUL ◧ ... STANDARD PENETRATION TEST ■ ... DRIVE SAMPLE (UNDISTURBED)

⊠ ... DISTURBED OR BAG SAMPLE ◪ ... CHUNK SAMPLE ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T43

ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005**

EQUIPMENT **JD 310**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0								
				GM	**COVER FILL** Sandy GRAVEL			
2				SM	Loose, dry, dark brown, Silty SAND			
4				GM	**LANDFILL DEBRIS** Medium dense, moist, dark brown, Silty Sandy GRAVEL, trace debris asphalt and concrete			
6				SC	**ALLUVIUM** Dense, dry, brown, Clayey SAND with gravel			
					TRENCH TERMINATED AT 6 FEET			

Figure 45, Log of Trench T43, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/02/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T44

ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005**

EQUIPMENT **JD 310**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**ALLUVIUM** Loose, dry, brown, Silty SAND			
2				SM/SC	Medium dense, slightly moist, dark yellowish brown, Clayey Silty SAND			
4					TRENCH TERMINATED AT 4 FEET			

Figure 46, Log of Trench T44, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/02/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◺ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T45 ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005** EQUIPMENT **JD 310**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SM	**ALLUVIUM** Loose to medium dense, reddish brown, Silty SAND			
2								
4								
					TRENCH TERMINATED AT 5.5 FEET			

Figure 47, Log of Trench T45, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/02/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▨ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◪ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T46

ELEV. (MSL.) _____ DATE COMPLETED **10/19/2005**

EQUIPMENT **JD 310**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**ALLUVIUM** Loose, dry, dark yellowish brown, Silty SAND			
2				SM	Medium dense, moist, grayish brown, Silty SAND with caliche			
4					TRENCH TERMINATED AT 5 FEET			

Figure 48, Log of Trench T46, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/02/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▮ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◥ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T47

ELEV. (MSL.)_____ DATE COMPLETED **11/26/05**

EQUIPMENT **CASE 580**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0								
				SM	**COVER FILL** Medium dense, dark yellowish brown, Silty SAND			
2					**LANDFILL DEBRIS**			
4								
6					TRENCH TERMINATED AT 6 FEET			

Figure 49, Log of Trench T47, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▨ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◹ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T48 ELEV. (MSL.)_____ DATE COMPLETED **11/26/2005** EQUIPMENT **CASE 580**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SM	**ALLUVIUM** Medium dense, dry, dark yellowish brown, Silty SAND			
2								
4								
					TRENCH TERMINATED AT 5 FEET			

Log of Trench T48, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▨ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◪ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T49 ELEV. (MSL.)_____ DATE COMPLETED **11/26/2005** EQUIPMENT **CASE 580**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SM	**ALLUVIUM** Loose to medium dense, moist, dark brown, Silty SAND			
2								
4								
6								
					TRENCH TERMINATED AT 7 FEET			

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▨ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◪ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T50 ELEV. (MSL.)_____ DATE COMPLETED 11/26/2005 EQUIPMENT CASE 580	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0					**LANDFILL DEBRIS** - asphalt, concrete, rubble			
2				SM	**ALLUVIUM** Medium dense, dark yellowish brown, Silty SAND			
4								
6					TRENCH TERMINATED AT 6 FEET			

Log of Trench T50, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▨ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◪ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T51 ELEV. (MSL.)_____ DATE COMPLETED 11/26/2005 EQUIPMENT CASE 580	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0					**LANDFILL DEBRIS** - abundant asphalt concrete			
2				SM	**ALLUVIUM** Medium dense, moist, dark brown, Silty SAND			
4								
6								
					TRENCH TERMINATED AT 7 FEET			

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▨ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◪ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T52 ELEV. (MSL.)_____ DATE COMPLETED **11/26/2005** EQUIPMENT **CASE 580**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SM	**ALLUVIUM** Medium dense, dark brown, Silty SAND			
2								
					TRENCH TERMINATED AT 3 FEET			

Log of Trench T52, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▨ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◥ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T53

ELEV. (MSL.)_____ DATE COMPLETED **11/22/2005**

EQUIPMENT **TRACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**COVER FILL**			
2					**LANDFILL DEBRIS** Loose, damp, dark brown, Silty SAND, with glass fragments, metal and ash			
22				SP	**ALLUVIUM** Very dense, brown, SAND and gravel TRENCH TERMINATED AT 23 FEET			

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▨ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◪ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T54

ELEV. (MSL.)_____ DATE COMPLETED **11/22/2005**

EQUIPMENT **TRACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**COVER FILL**			
2					**LANDFILL DEBRIS** Loose, damp, dark brown, Silty SAND, with gravel, with glass fragments, metal, and ash			
4								
6								
8								
10				SP	**ALLUVIUM** Dense to very dense, brown, Gravelly SAND TRENCH TERMINATED AT 11 FEET			

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS

☐ ... SAMPLING UNSUCCESSFUL ◧ ... STANDARD PENETRATION TEST ■ ... DRIVE SAMPLE (UNDISTURBED)

⊠ ... DISTURBED OR BAG SAMPLE ◥ ... CHUNK SAMPLE ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T55

ELEV. (MSL.)_____ DATE COMPLETED **11/22/2005**

EQUIPMENT **TRACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0								
				SM	**UNCONTROLLED FILL** Medium dense to dense, Silty SAND with gravel			
2								
4								
6								
8								
10								
12								
					- gravel clasts			
14								
					TRENCH TERMINATED AT 14.5 FEET			

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▨ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◪ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T56

ELEV. (MSL.) _____ DATE COMPLETED **11/22/2005**

EQUIPMENT **TRACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**UNCONTROLLED FILL** Medium dense to dense, brown, Silty SAND with gravel and cobbles			
2								
4								
6								
8								
10								
12								
14								
16								
18								
					TRENCH TERMINATED AT 19 FEET			

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS
- ☐ ... SAMPLING UNSUCCESSFUL
- ▯ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T57 ELEV. (MSL.)_____ DATE COMPLETED **11/22/2005** EQUIPMENT **TRACKHOE**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SM	**UNCONTROLLED FILL** Medium dense to dense, Silty SAND, with gravel, and cobbles <12			
2								
4								
6								
8								
10								
12								
14								
16								
18								
					TRENCH TERMINATED AT 18.5 FEET			

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS
☐ ... SAMPLING UNSUCCESSFUL
▨ ... DISTURBED OR BAG SAMPLE
◧ ... STANDARD PENETRATION TEST
◹ ... CHUNK SAMPLE
■ ... DRIVE SAMPLE (UNDISTURBED)
▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T58

ELEV. (MSL.)_____ DATE COMPLETED **11/22/2005**

EQUIPMENT **TRACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				GM	**UNCONTROLLED FILL** Loose to medium dense, Silty Sandy GRAVEL			
2					Medium, dense to moist, dark yellowish brown, Silty SAND with gravel, dips Southwest 10-20 degrees			
4								
6								
8								
10								
12				SM	**ALLUVIUM** Medium dense, moist, dark yellowish brown, Silty SAND with gravel			
14					TRENCH TERMINATED AT 14 FEET			

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◪ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T59

ELEV. (MSL.)_____ DATE COMPLETED **11/22/2005**

EQUIPMENT **TRACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**UNCONTROLLED FILL** Loose, Silty to Clayey SAND, with gravel, and gravel seams - dense to medium dense			
2								
4								
6				SM	**ALLUVIUM** Medium dense to dense, moist, dark yellowish brown, Silty SAND, with gravel			
8					TRENCH TERMINATED AT 8 FEET			

Log of Trench T59, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▨ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	**TRENCH T60** ELEV. (MSL.)_____ DATE COMPLETED **11/22/2005** EQUIPMENT **TRACKHOE**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				GM	**UNCONTROLLED FILL** Loose, dry, dark yellowish brown, Silty Sandy GRAVEL			
2								
4								
6				GM	**ALLUVIUM** Medium dense to dense, pale yellowish brown, Silty Sandy GRAVEL			
8								
					TRENCH TERMINATED AT 8.5 FEET			

Log of Trench T60, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▯ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

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PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	**TRENCH T61** ELEV. (MSL.)_____ DATE COMPLETED **11/22/2005** EQUIPMENT **TRACKHOE**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				GP	**UNCONTROLLED FILL** Medium dense, pale yellowish brown, Silty Sandy GRAVEL			
2				CL	**ALLUVUIM** Hard, slightly moist, yellowish brown, Sandy CLAY			
4					TRENCH TERMINATED AT 5 FEET			

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS

☐ ... SAMPLING UNSUCCESSFUL
▨ ... DISTURBED OR BAG SAMPLE
◧ ... STANDARD PENETRATION TEST
◪ ... CHUNK SAMPLE
■ ... DRIVE SAMPLE (UNDISTURBED)
▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T62

ELEV. (MSL.) _____ DATE COMPLETED **11/22/2005**

EQUIPMENT **TRACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0								
				SP	**UNCONTROLLED FILL** Medium dense to dense, Silty SAND/Gravelly SAND with occasional debris and asphalt			
2								
4								
6								
8								
10								
12								
14								
16					TRENCH TERMINATED AT 16 FEET			

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▥ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◹ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T63 ELEV. (MSL.)_____ DATE COMPLETED **11/22/2005** EQUIPMENT **TRACKHOE**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				ML	**ALLUVIUM** Hard, moist, grayish brown, Clayey SILT			
2								
4				GP	Medium dense, moist, gray, Sandy GRAVEL with ferrous oxide stains			
					TRENCH TERMINATED AT 5 FEET			

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS
☐ ... SAMPLING UNSUCCESSFUL
▨ ... DISTURBED OR BAG SAMPLE
◧ ... STANDARD PENETRATION TEST
◣ ... CHUNK SAMPLE
■ ... DRIVE SAMPLE (UNDISTURBED)
▼ ... WATER TABLE OR SEEPAGE

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	**TRENCH T64** ELEV. (MSL.)_____ DATE COMPLETED **11/22/2005** EQUIPMENT **TRACKHOE**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				ML	**ALLUVIUM** Soft, dry, gray, Sandy SILT			
2				ML	Firm, moist, yellowish brown to reddish brown, Clayey Sandy SILT			
4					TRENCH TERMINATED AT 4.5 FEET			

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS
☐ ... SAMPLING UNSUCCESSFUL
▨ ... DISTURBED OR BAG SAMPLE
◧ ... STANDARD PENETRATION TEST
◪ ... CHUNK SAMPLE
■ ... DRIVE SAMPLE (UNDISTURBED)
▼ ... WATER TABLE OR SEEPAGE

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PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T65 ELEV. (MSL.)_____ DATE COMPLETED **11/22/2005** EQUIPMENT **TRACKHOE**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				GM	**UNCONTROLLED FILL** Loose, dry, dark yellowish brown, Silty Sandy GRAVEL			
2				GM	**ALLUVIUM** Medium dense, moist, ferrous oxide stained, Silty Sandy GRAVEL, with sand lenses			
4								
					TRENCH TERMINATED AT 5 FEET			

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS
- ☐ ... SAMPLING UNSUCCESSFUL
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◹ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T66 ELEV. (MSL.)_____ DATE COMPLETED 11/22/2005 EQUIPMENT TRACKHOE MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0								
				GP	**UNCONTROLLED FILL** Medium dense, yellowish brown to ferrous oxide stained, Sandy GRAVEL			
2								
4								
6								
				SM	**ALLUVIUM** Medium dense to loose, dark brown, Silty SAND with gravel			
8					TRENCH TERMINATED AT 8 FEET			

Log of Trench T66, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◥ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

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PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T67 ELEV. (MSL.)_____ DATE COMPLETED **11/29/2005** EQUIPMENT **TRACKHOE**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0					**UNCONTROLLED FILL**			
				GM	**ALLUVIUM** Silty Sandy GRAVEL			
2				SM	Medium dense to dense, moist, orange brown ferrous oxide, Silty SAND with gravel			
4								
6					TRENCH TERMINATED AT 6 FEET			

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS
☐ ... SAMPLING UNSUCCESSFUL
▥ ... DISTURBED OR BAG SAMPLE
◧ ... STANDARD PENETRATION TEST
◥ ... CHUNK SAMPLE
■ ... DRIVE SAMPLE (UNDISTURBED)
▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T68

ELEV. (MSL.)_____ DATE COMPLETED **11/29/2005**

EQUIPMENT **TRACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0								
				SM	**UNCONTROLLED FILL** Medium dense to dense, Silty SAND and Sandy GRAVEL			
2								
4								
				SM/ML	**ALLUVIUM** Dense, moist, orange brown mottled, Silty SAND and Sandy SILT			
6								
8								
					TRENCH TERMINATED AT 8.5 FEET			

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ▥ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

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PROJECT NO. R8259-06-03

TRENCH T69

ELEV. (MSL.)_____ DATE COMPLETED **11/29/2005**

EQUIPMENT **TRACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**UNCONTROLLED FILL** Medium dense, moist, Silty SAND, with trace gravel			
2								
4								
6								
8								
10				SM	**ALLUVIUM** Dense, moist, grayish green, Silty SAND, with caliche veins			
12					TRENCH TERMINATED AT 12 FEET			

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◪ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

TRENCH T70

ELEV. (MSL.)_____ DATE COMPLETED **11/29/2005**

EQUIPMENT **TRACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**UNCONTROLLED FILL** Medium dense, moist, Silty SAND/Sandy GRAVEL			
12				SM	**ALLUVIUM** Dense, moist, dark brown, Silty SAND, dips north 10 degrees			
					TRENCH TERMINATED AT 13.5 FEET			

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS

☐ ... SAMPLING UNSUCCESSFUL
▨ ... DISTURBED OR BAG SAMPLE
◧ ... STANDARD PENETRATION TEST
◥ ... CHUNK SAMPLE
■ ... DRIVE SAMPLE (UNDISTURBED)
▼ ... WATER TABLE OR SEEPAGE

PROJECT NO. R8259-06-03

TRENCH T71

ELEV. (MSL.) _____ DATE COMPLETED **11/29/2005**

EQUIPMENT **TRACKHOE**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**UNCONTROLLED FILL** Medium dense, dry to moist, Silty SAND, with gravel			
2								
4								
6								
8								
10								
12								
14								
16				GC	Medium dense, moist, dark brown, Clayey GRAVEL			
					TRENCH TERMINATED AT 17 FEET			

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... DISTURBED OR BAG SAMPLE
- ... STANDARD PENETRATION TEST
- ... CHUNK SAMPLE
- ... DRIVE SAMPLE (UNDISTURBED)
- ... WATER TABLE OR SEEPAGE

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	**TRENCH T72** ELEV. (MSL.)_____ DATE COMPLETED **11/22/2005** EQUIPMENT **TRACKHOE**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SM/ML	**ALLUVIUM** Medium dense, slightly moist, dark yellowish brown, Silty SAND/Sandy SILT			
2					TRENCH TERMINATED AT 2 FEET			

Log of Trench T72, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. R8259-06-03

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T73 ELEV. (MSL.)_____ DATE COMPLETED 11/29/2005 EQUIPMENT TRACKHOE	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SM-SP	**UNCONTROLLED FILL** Medium dense, moist, dark yellowish brown to gray (glazed), Silty SAND/Gravelly SAND			
2								
4								
6								
8								
10					TRENCH TERMINATED AT 10 FEET			

Log of Trench T73, page 1 of 1

TRENCH LOG DESTINATION TRENCHES.GPJ 02/13/06

SAMPLE SYMBOLS
- ☐ ... SAMPLING UNSUCCESSFUL
- ▨ ... DISTURBED OR BAG SAMPLE
- ◧ ... STANDARD PENETRATION TEST
- ◪ ... CHUNK SAMPLE
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ▼ ... WATER TABLE OR SEEPAGE

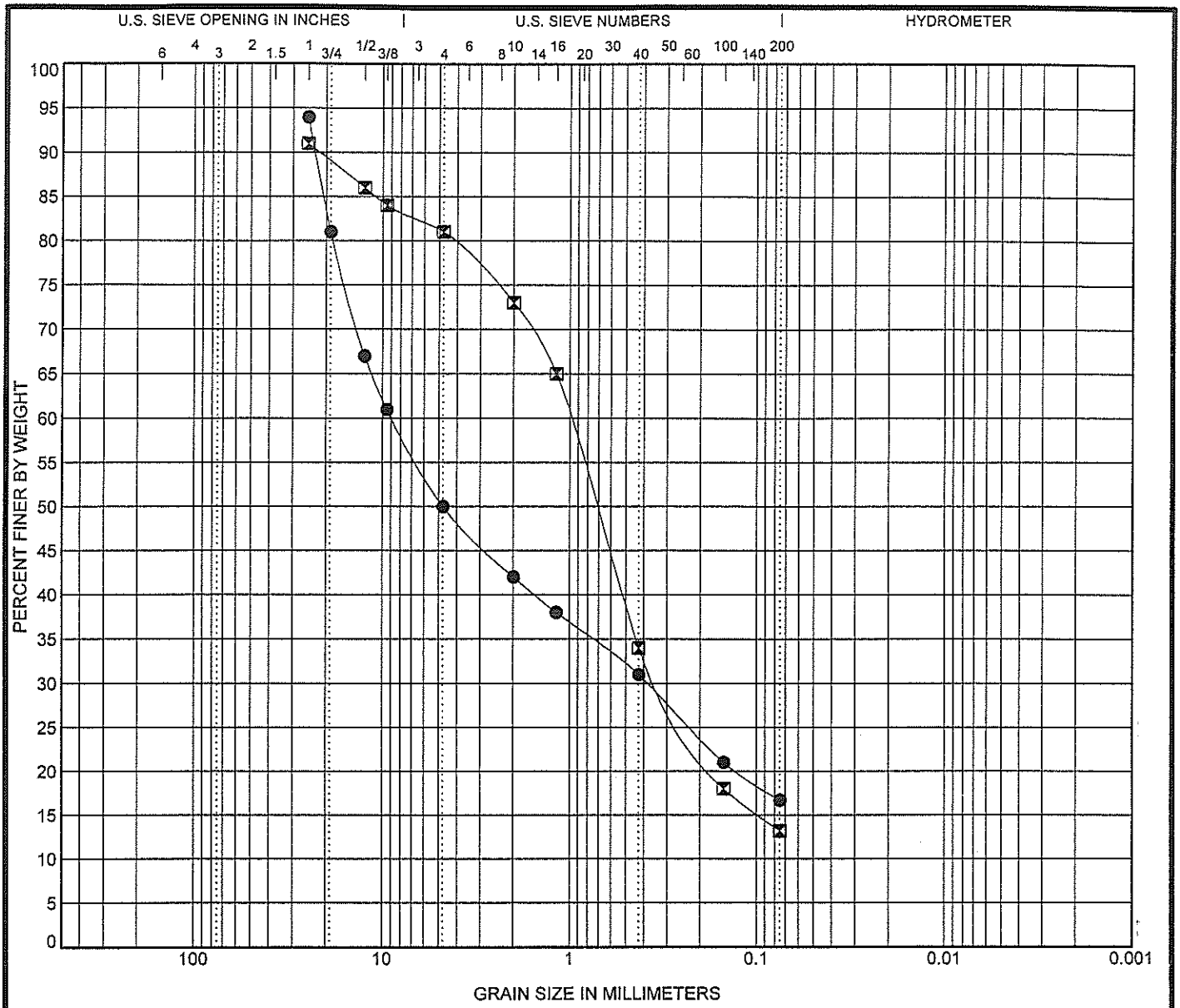
NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

APPENDIX B

APPENDIX B

LABORATORY TESTING PROGRAM

Laboratory tests were performed in accordance with generally accepted test methods of the American Society for Testing and Materials (ASTM) or other suggested procedures. Selected soil samples were tested for their in-place dry density and moisture content, grain-size distribution, and plasticity characteristics. The results of the laboratory tests are presented on the following pages. In-place dry density, fines (-200) content and moisture content of selected samples are also presented on the exploratory logs in Appendix A.



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Specimen Identification		Classification	LL	PL	PI	Cc	Cu
●	BH-2	10.7	Silty Sand w/Gravel					
⊠	BH-3	3.0	Silty Sand w/Gravel					

	Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BH-2	10.7	25	8.92	0.383		44.0	33.3	16.7	
⊠	BH-3	3.0	25	1.001	0.328		10.0	67.8	13.2	

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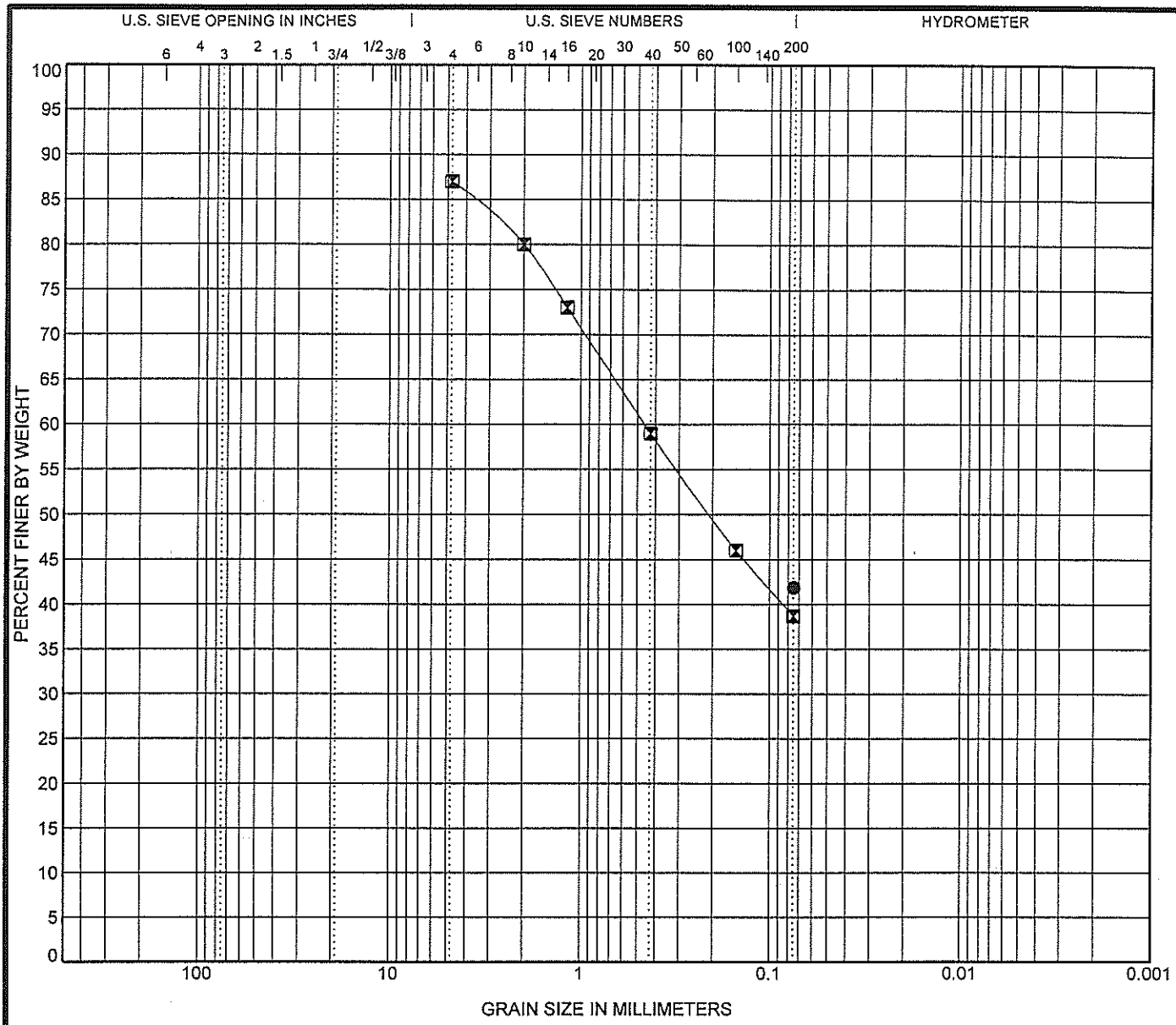
GRAIN SIZE DISTRIBUTION

Project: Destination Nevada

Location: Carson City

Number: R8259-06-01

US GRAIN SIZE DESTINATION NEVADA.GPJ GEOCON NV.GDT 2/14/06



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Specimen Identification		Classification	LL	PL	PI	Cc	Cu
●	BH-6	5.9	Sandy Silt/Silty Sand					
⊠	BH-7	5.7	Clayey Silty Sand					

	Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BH-6	5.9	0.075						41.9	
⊠	BH-7	5.7	75	0.457			0.0	48.3	38.7	

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GRAIN SIZE DISTRIBUTION

Project: Destination Nevada

Location: Carson City

Number: R8259-06-01

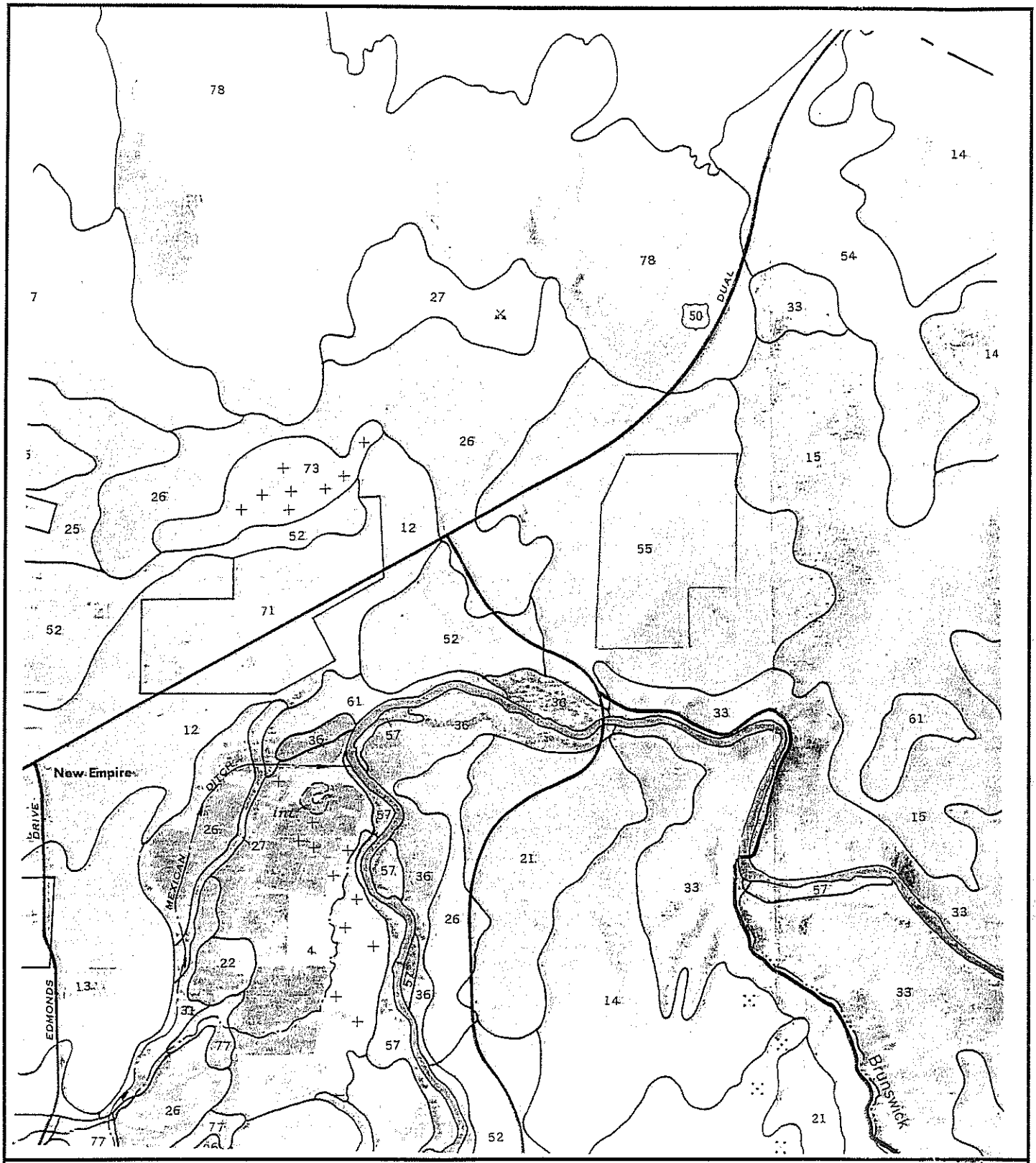
US GRAIN SIZE DESTINATION NEVADA.GPJ GEOCON NV.GDT 2/14/06

APPENDIX C

APPENDIX C

SOIL CONSERVATION SERVICE DATA

The information contained herein is taken from the Soil Survey of the Carson City Area, Nevada, 1979. The information is limited to the top five feet of soil and was compiled prior before the mass grading that was performed on the site during the 1980's. This data is relevant to the undisturbed portions of the site and indicates to a lesser extent the type of materials that are found in the uncontrolled fills.



SCS Map

GEOCON
CONSULTANTS, INC.
1167 ANNIE COURT · SUITE B · MINDEN, NV 89423
PHONE 775 267-0566 – FAX 775 267-0728

Destination Nevada

Carson City,
Nevada

R8259-06-02	Feb-06	FIGURE-C1

TABLE 13.--ENGINEERING PROPERTIES AND CLASSIFICATIONS--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Fragments > 3 inches	Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
Reno:											
54	0-3	Cobbly fine sandy loam.	SM	A-1, A-2	15-30	65-85	60-80	50-65	20-35	15-25	NP-5
	3-24	Clay, sandy clay	SC, CH, CL	A-7	0-5	80-100	75-95	60-85	45-75	45-55	25-35
	24-29	Cemented	---	---	---	---	---	---	---	---	---
	29-60	Very gravelly loamy sand.	GP-GM, GM	A-1	5-10	30-55	20-50	15-30	5-15	---	NP
55	0-3	Gravelly clay loam.	GC, CL	A-6	0	65-75	60-75	55-70	45-55	35-40	15-20
	3-20	Clay, sandy clay	SC, CH, CL	A-7	0-5	80-100	75-95	60-85	45-75	45-55	25-35
	20-29	Cemented	---	---	---	---	---	---	---	---	---
	29-60	Very gravelly loamy sand.	GP-GM, GM	A-1	5-10	30-55	20-50	15-30	5-15	---	NP

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF SOILS--Continued

Soil name and map symbol	Depth	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Risk of corrosion		Erosion factors		Wind erodibility group
							Uncoated steel	Concrete	K	T	
	In	In/hr	In/in	pH	Mmhos/cm						
Reno:											
54	0-3	2.0-6.0	0.08-0.12	6.1-7.3	<2	Low	Moderate	Low	0.17	2	4
	3-24	<0.06	0.14-0.16	6.1-7.8	<2	High	High	Low	0.24		
	24-29	---	---	---	---	---	---	---	---		
	29-60	>6.0	0.05-0.07	7.4-8.4	<4	Low	High	Low	0.15		
55	0-3	0.2-0.6	0.16-0.18	6.1-7.3	<2	Moderate	Moderate	Low	0.32	2	7
	3-20	<0.06	0.14-0.16	6.1-7.8	<2	High	High	Low	0.24		
	20-29	---	---	---	---	---	---	---	---		
	29-60	>6.0	0.05-0.07	7.4-8.4	<4	Low	High	Low	0.15		

SCS SOIL DATA

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