State of Utah

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

Department of Administrative Services
D'ARCY DIXON PIGNANELLI
Executive Director

Division of Facilities Construction and Management
F. KEITH STEPAN
Director

ADDENDUM #4

Date: 10 May 2006

To: Contractors

From: Dave McKay, DFCM – Project Manager

Reference: **UVSC Digital Learning Center**
DFCM Project 05188790

Subject: **Addendum No. 4**

Pages		
	Cover Page	1 page
	Addendum	3 pages
	Specification Update	1 page
	Site Plan	11 pages
	Total	**16 pages**

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

4.1 Items for Addendum 4
4.2 Specification Updates
4.3 Site Plan

UVSC Digital Learning Center
DFCM Project 05188790
April 27, 2006

ITEMS FOR ADDENDUM 4

1. 'Sole Source' authority has been extended by the DFCM Director, Keith Stepan, for the following items:
    a. Best, removable cylinders
    b. Yamas, building controls
    c. Lenel, security systems
    d. EST, fire alarm systems

All other UVSC Standards or Requirements have **not** been been granted 'sole source' authority. Such standards and requirements that have been included as guidance for this project should be regarded as UVSC 'preferences' while other products are to be considered under the customary 'or approved equal' specification.

2. A hard copy of the just completed RB&G Geotechnical report on the original site was given to each D/B team at the User Interaction meetings held 4-26-06 at the McKay Events Center. An electronic copy is attached as part of this addendum. Additional geotechnical work on adjacent areas has been authorized. The final report on that additional work will not be available for the final submission, but the log of borings is an attachment to this addendum.

3. An electronic copy of Great Basin's survey of the original site was forwarded by e-mail to each of the D/B teams. An electronic copy of that survey is attached as part of this addendum. While additional topographic survey work on adjacent areas has been authorized, DFCM has learned that it will not be completed in time to be useful for the final submissions due on May 17, 2006.

4. Some discussion of utilities has taken place with UVSC and DFCM staff during User Interaction meetings. D/B teams are urged to consider all options based on all available information.

5. Clarification of Audio/Visual Cabling: D/B Proposal (design and cost) must include the 'pathway', that is, conduit, cable tray, etc. Since AV equipment and devices are often require wiring unique to that equipment, DFCM requests that the labor costs for installing such wiring are to be included in the scope of work of the cost proposal.
Complete security system is to be included in the scope of the work of the cost proposal.
Complete clock system is to be included in the scope of the work of the cost proposal.

6. After careful consideration of the scope of work being required by this RFP, in part acknowledging the recently added 'High Performance Building Standards' an additional $500,000 has been designated as part of project budget. This brings the total budget to **$40,000,000.**

7. The Selection Committee Members are as follows:
   Jim Michaelis, UVSC
   Matthias Mueller, DFCM
   Steve Bankhead, Utah State Building Board
   Steve Ehninger, Harris & Associates
   Doug Christensen, BYU Facilities

8. Final submission requirements are modified as follows:
   a. In order to clarify stacking arrangements and simplify a large floor plate, 1/16"=1'0" scale for floor plans, elevations, and sections is authorized. D/B teams are urged to emphasize clarity in how drawings communicate with selection committee members.
   b. Since the 'Technical Requirements' of this project are an outline specification already, D/B teams will only need to assert their compliance to the 'Technical Requirements' and include any deviations, exceptions, or additions to the 'Technical Requirements'. It will not be necessary to reproduce copies of the 'Technical Requirements' for the final submission.

9. DFCM Intends to hire an independent Commissioning Agent for this project. D/B Teams should allow for the coordination for such a Commissioning Agent.

10. As Curtis Clark has mentioned there will be an independent energy consultant hired to oversee the overall compliance with the DFCM Energy Standards and High Performance Building Standards as described in the 3-36-06 version of the DFCM Design Standards. UP&L will also be aiding in development of strategies that have worked from their experience.

11. Final Selection Interview Schedule is as follows:

8:00am	Selection Committee Briefing
8:30-10:00am	Big D/GSBS
10:30am-12:00pm	Layton/CRSA-Alspector
12:00-1:00pm	Lunch
1:00-2:30pm	Okland/FFKR

Final Selection Interviews will be held at UVSC's Student Center
Room SC213c

12. D/B teams are urged to carefully consider and clarify during final interview presentations any deviation from requirements of this RFP. This includes requirements implicit in the Building Program and Site surveys. For example, rooftop penthouses, if they are included should be carefully and thoroughly described as to how they might be justifiably integrated into the project design. As a second example, deviating from the specified site will be considered on the merits of the design as communicated to the user interaction group and selection committee.

ADDENDUM TO THE TECHNICAL REQUIREMENTS

Utah Valley State College
Digital Learning Center

May 8, 2006

1. Section 011000 - Summary. At paragraph 1.1.F “Owner-Furnished Contractor-Installed Products”, add subparagraph “2. Audio visual equipment cabling.”
2. Section 220640 - Plumbing Fixtures. At paragraph 1.3.A “Fixtures”, add subparagraph “13. Refer to UVSC Standards and Guidelines for acceptable product manufacturers.
3. Section 221423 - Storm Drainage Piping Specialties. Delete paragraph F “Roof Drains” and associated subparagraphs 1 and 2. Roof drains are covered in Section 221413.


Boring B-1
Boring B-2
Boring B-3
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DRILL HOLE LOG

BORING NO. 4

SHEET 1 OF 2

PROJECT: UTAH VALLEY STATE COLLEGE DIGITAL LEARNING CENTER
CLIENT: UTAH VALLEY STATE COLLEGE
LOCATION: SEE SITE PLAN
DRILLING METHOD: CME-55 NO. 2 / N.W. CASING
DRILLER: D. SAMPSON
DEPTH TO WATER - INITIAL: ▽ 11.3' **AFTER 24 HOURS:** ▼ 9.3'

PROJECT NUMBER: 200601.007
DATE STARTED: 3/27/06
DATE COMPLETED: 3/28/06
GROUND ELEVATION: 92.4'
LOGGED BY: G. PEASLEE

Elev. (ft)	Depth (ft)	Lithology	Sample Type	Sample Rec. (in)	Sample See Legend	Sample USCS (AASHTO)	Material Description	Dry Density (pcf)	Moisture Content (%)	Atter. Liquid Limit	Atter. Plast. Index	Gradation Gravel (%)	Gradation Sand (%)	Gradation Silt/Clay (%)	Other Tests
							~5" ASPHALT								
							SILTY GRAVEL								
90				12	21,15,18	GM ML	brown, moist, dense			21	4				
	5			16	7,5,5	ML	brown, moist, loose SANDY SILT		19.1		NP	0	42	58	
85				-	Pushed	ML			26.6		NP	0	36	64	
				16	2,3,4	CL	brown, moist, firm SANDY LEAN CLAY								
	10			12	Pushed 0.44	CL	lt. brown, moist, firm	86.5	33.9	41	18				CT
80				15	2,2,2 0.21	CL	lt. brown, moist, soft								
	15			14	Pushed 0.72	CL	lt. brown, moist, stiff		28.1	40	20				UC
75							LEAN CLAY								
	20			18	2,3,4 0.52	CL	lt. brown, moist, firm								
70															
	25			16	Pushed 0.34	CL									
65															
	30			15	4,3,3 0.32	CL	brown, moist, firm LEAN CLAY W/SAND LENSES								
60							SANDY SILT W/CLAY LAYERS								

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RB&G ENGINEERING INC.
PROVO, UTAH

LEGEND:
DISTURBED SAMPLE — 2,3,2 ← Blow Count per 6"; 0.45 ← Torvane (tsf)
UNDISTURBED SAMPLE — PUSHED; 0.45 ← Torvane (tsf)

OTHER TESTS
UC = Unconfined Compression
CT = Consolidation
DS = Direct Shear
TS = Triaxial Shear
CBR = California Bearing Ratio

DRILL HOLE LOG

BORING NO. 4

SHEET 2 OF 2

PROJECT: UTAH VALLEY STATE COLLEGE DIGITAL LEARNING CENTER
CLIENT: UTAH VALLEY STATE COLLEGE
LOCATION: SEE SITE PLAN
DRILLING METHOD: CME-55 NO. 2 / N.W. CASING
DRILLER: D. SAMPSON
DEPTH TO WATER - INITIAL: ▽ 11.3' **AFTER 24 HOURS:** ▼ 9.3'

PROJECT NUMBER: 200601.007
DATE STARTED: 3/27/06
DATE COMPLETED: 3/28/06
GROUND ELEVATION: 92.4'
LOGGED BY: G. PEASLEE

Elev. (ft)	Depth (ft)	Lithology	Sample Type	Sample Rec. (in)	Sample See Legend	Sample USCS (AASHTO)	Material Description	Dry Density (pcf)	Moisture Content (%)	Atter. Liquid Limit	Atter. Plast. Index	Gradation Gravel (%)	Gradation Sand (%)	Gradation Silt/Clay (%)	Other Tests
55				18	1,2,3	ML	brown, wet, firm — SANDY SILT W/CLAY LAYERS								
	40			14	3,5,6 *0.70*	CL	lt. brown, moist, firm — LEAN CLAY W/SAND LENSES								
50															
	45			15	3,10,16	SM	brown, moist, med. dense — SILTY SAND W/CLAY LAYERS								
45															
	50			12	4,17,21	CL	brown, moist, hard — LEAN CLAY W/SAND LENSES								
40															
	55			4	17,24,29	SM	brown, wet, very dense — SILTY SAND								
35															
	60														
30															
	65														
25															

* Floor Elevation of Liberal Arts Building = 100.0'

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RB&G ENGINEERING INC.
PROVO, UTAH

LEGEND:

DISTURBED SAMPLE — 2,3,2 ← Blow Count per 6"; *0.45* ← Torvane (tsf)

UNDISTURBED SAMPLE — PUSHED; *0.45* ← Torvane (tsf)

OTHER TESTS
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CBR = California Bearing Ratio

DRILL HOLE LOG

BORING NO. 5

SHEET 1 OF 2

PROJECT: UTAH VALLEY STATE COLLEGE DIGITAL LEARNING CENTER
CLIENT: UTAH VALLEY STATE COLLEGE
LOCATION: SEE SITE PLAN
DRILLING METHOD: CME-55 NO. 2 / N.W. CASING
DRILLER: D. SAMPSON
DEPTH TO WATER - INITIAL: ▽ 8.2' **AFTER 24 HOURS:** ▼ 8.0'

PROJECT NUMBER: 200601.007
DATE STARTED: 3/27/06
DATE COMPLETED: 3/27/06
GROUND ELEVATION: 95.3' *
LOGGED BY: G. PEASLEE

Elev. (ft)	Depth (ft)	Lithology	Sample Type	Sample Rec. (in)	Sample See Legend	USCS	Material Description	Dry Density (pcf)	Moisture Content (%)	Atter. Liquid Limit	Atter. Plast. Index	Gradation Gravel (%)	Gradation Sand (%)	Gradation Silt/Clay (%)	Other Tests
95							4.5" ASPHALT								
				14	28,43,24	SM	brown, very dense — SILTY SAND W/GRAVEL		11.5			25	51	24	
				14	11,15,13 *0.75*	SM ML	brown-gray, moist, dense — SILTY SAND								
90	5			19	Pushed *0.42*	ML	SANDY SILT — brown, moist, dense	103.1	23		NP	0	36	64	CT UC
				19	1,2,3 *0.22*	CL	lt. brown, moist, firm								
85	10			20	1,1,1 *0.42,0.24*	CL	lt. brown, moist, soft								
80	15			16	Pushed *0.50*	CL	lt. brown, moist, firm — LEAN CLAY W/SAND LENSES	83.6	34.7	39	18				CT UC
75	20			17	2,2,3 *0.30*	CL	lt. brown, moist, firm								
70	25			16	Pushed *0.53*	CL	brown, moist, firm								
							SAND								
65	30			18	5,5,6 *0.53*	CL	lt. brown, moist, stiff — LEAN CLAY								

* Floor Elevation of Liberal Arts Building = 100.0'

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RB&G ENGINEERING INC.
PROVO, UTAH

LEGEND:
DISTURBED SAMPLE — 2,3,2 ← Blow Count per 6"; *0.45* ← Torvane (tsf)
UNDISTURBED SAMPLE — PUSHED; *0.45* ← Torvane (tsf)

OTHER TESTS
UC = Unconfined Compression
CT = Consolidation
DS = Direct Shear
TS = Triaxial Shear
CBR = California Bearing Ratio

DRILL HOLE LOG

BORING NO. 5

SHEET 2 OF 2

PROJECT: UTAH VALLEY STATE COLLEGE DIGITAL LEARNING CENTER
CLIENT: UTAH VALLEY STATE COLLEGE
LOCATION: SEE SITE PLAN
DRILLING METHOD: CME-55 NO. 2 / N.W. CASING
DRILLER: D. SAMPSON
DEPTH TO WATER - INITIAL: ▽ 8.2' **AFTER 24 HOURS:** ▼ 8.0'

PROJECT NUMBER: 200601.007
DATE STARTED: 3/27/06
DATE COMPLETED: 3/27/06
GROUND ELEVATION: 95.3' *
LOGGED BY: G. PEASLEE

Elev. (ft)	Depth (ft)	Lithology	Sample Type	Sample Rec. (in)	Sample See Legend	Sample USCS	Material Description	Dry Density (pcf)	Moisture Content (%)	Atter. Liquid Limit	Atter. Plast. Index	Gradation Gravel (%)	Gradation Sand (%)	Gradation Silt/Clay (%)	Other Tests
60															
				17	Pushed	CL									
				16	3,4,7	CL	brown, moist, stiff								
							LEAN CLAY								
55	40			18	4,7,12	CL	brown, moist, stiff								
					0.44	SM	brown, moist, med. dense								
50	45			16	13,15,19	SM	brown, moist, dense								
							SILTY SAND								
45	50			17	20,23,28	SM	brown, moist, very dense								
40	55														
35	60														
30	65														

* Floor Elevation of Liberal Arts Building = 100.0'

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RB&G ENGINEERING INC.
PROVO, UTAH

LEGEND:

DISTURBED SAMPLE — 2,3,2 ← Blow Count per 6"; *0.45* ← Torvane (tsf)

UNDISTURBED SAMPLE — PUSHED; *0.45* ← Torvane (tsf)

OTHER TESTS
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CT = Consolidation
DS = Direct Shear
TS = Triaxial Shear
CBR = California Bearing Ratio

DRILL HOLE LOG

BORING NO. B-1

SHEET 1 OF 2

PROJECT: UTAH VALLEY STATE COLLEGE DIGITAL LEARNING CENTER
CLIENT: UTAH VALLEY STATE COLLEGE
LOCATION: SEE SITE PLAN
DRILLING METHOD: CME-55 NO. 2 / N.W. CASING W/TRICONE BIT
DRILLER: D. SAMPSON
DEPTH TO WATER - INITIAL: ▽ 10.0' **AFTER 24 HOURS:** ▼ 8.0'

PROJECT NUMBER: 200601.007
DATE STARTED: 4/26/06
DATE COMPLETED: 4/26/06
GROUND ELEVATION: NOT MEASURED
LOGGED BY: G. PEASLEE

Elev. (ft)	Depth (ft)	Lithology	Sample Type	Sample Rec. (in)	Sample See Legend	Sample USCS (AASHTO)	Material Description	Dry Density (pcf)	Moisture Content (%)	Atter. Liquid Limit	Atter. Plast. Index	Gradation Gravel (%)	Gradation Sand (%)	Gradation Silt/Clay (%)	Other Tests
				7	22,16,16	GM SP-SM	4" ASPHALT 8" BASE - SILTY GRAVEL W/SAND brown, moist, dense SAND W/SILT & GRAVEL								
	5			15	3,5,6 *0.60* *0.53*	CL-1	lt. brown to brown, moist, stiff LEAN CLAY W/SAND & GRAVEL			28	13				
				13	*0.55* 4,5,10	CL-1 SM	gray, moist, stiff brown, wet, med. dense SILTY SAND								
▽	10			17	2,2,2 *0.30*	CL-ML	brown, moist, firm SILTY CLAY W/SILTY SAND LENSES & LAYERS			26	6				
				17	Pushed *0.26*	CL-1	red-brown, moist, firm			31	13				CT UC
	15			13	1,2,3 *0.20*	CL	LEAN CLAY INTERBEDDED W/SILTY SAND LENSES & LAYERS TO 1" THICK brown, very moist, soft								
	20			18	Pushed *0.39*	CL	red-brown, moist, firm LEAN CLAY W/SILT LENSES & LAYERS								
	25			12	3,7,6 *0.31*	CL	red-brown, moist, firm								
	30			19	Pushed *0.15* *0.27*	CL	red-brown, moist, soft to firm LEAN CLAY W/SILT & SAND LENSES & LAYERS TO 2" THICK								

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RB&G ENGINEERING INC.
PROVO, UTAH

LEGEND:
DISTURBED SAMPLE — 2,3,2 ← Blow Count per 6"; *0.45* ← Torvane (tsf)
UNDISTURBED SAMPLE — PUSHED; *0.45* ← Torvane (tsf)

OTHER TESTS
UC = Unconfined Compression
CT = Consolidation
DS = Direct Shear
TS = Triaxial Shear
CBR = California Bearing Ratio

DRILL HOLE LOG

BORING NO. B-1

SHEET 2 OF 2

PROJECT: UTAH VALLEY STATE COLLEGE DIGITAL LEARNING CENTER
CLIENT: UTAH VALLEY STATE COLLEGE
LOCATION: SEE SITE PLAN
DRILLING METHOD: CME-55 NO. 2 / N.W. CASING W/TRICONE BIT
DRILLER: D. SAMPSON
DEPTH TO WATER - INITIAL: ▽ 10.0' **AFTER 24 HOURS:** ▼ 8.0'

PROJECT NUMBER: 200601.007
DATE STARTED: 4/26/06
DATE COMPLETED: 4/26/06
GROUND ELEVATION: NOT MEASURED
LOGGED BY: G. PEASLEE

Elev. (ft)	Depth (ft)	Lithology	Sample Type	Sample Rec. (in)	Sample See Legend	Sample USCS (AASHTO)	Material Description	Dry Density (pcf)	Moisture Content (%)	Atter. Liquid Limit	Atter. Plast. Index	Gradation Gravel (%)	Gradation Sand (%)	Gradation Silt/Clay (%)	Other Tests
				16	4,4,7 *0.25*	CL	red-brown, moist, firm LEAN CLAY W/SILT & SAND LENSES & LAYERS TO 2" THICK								
	40			11	13,12,13	SM	brown, wet, med. dense		22.9		NP	0	57	43	
	45			13	16,20,26	SM	SILTY SAND W/SCATTERED CLAY LENSES brown, wet, dense								
	50			11	14,20,24	SM	brown, wet, dense								
	55														
	60														
	65														

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RB&G ENGINEERING INC.
PROVO, UTAH

LEGEND:
DISTURBED SAMPLE — 2,3,2 ← Blow Count per 6"; *0.45* ← Torvane (tsf)
UNDISTURBED SAMPLE — PUSHED; *0.45* ← Torvane (tsf)

OTHER TESTS
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CT = Consolidation
DS = Direct Shear
TS = Triaxial Shear
CBR = California Bearing Ratio

DRILL HOLE LOG

BORING NO. B-2

SHEET 1 OF 2

PROJECT: UTAH VALLEY STATE COLLEGE DIGITAL LEARNING CENTER
CLIENT: UTAH VALLEY STATE COLLEGE
LOCATION: SEE SITE PLAN
DRILLING METHOD: CME-55 NO. 2 / N.W. CASING W/TRICONE BIT
DRILLER: D. SAMPSON
DEPTH TO WATER - INITIAL: ▽ 8.5' **AFTER 24 HOURS:** ▼ 8.4'

PROJECT NUMBER: 200601.007
DATE STARTED: 4/27/06
DATE COMPLETED: 4/27/06
GROUND ELEVATION: NOT MEASURED
LOGGED BY: G. PEASLEE

Elev. (ft)	Depth (ft)	Lithology	Sample Type	Sample Rec. (in)	See Legend	USCS (AASHTO)	Material Description	Dry Density (pcf)	Moisture Content (%)	Atter. Liquid Limit	Atter. Plast. Index	Gradation Gravel (%)	Gradation Sand (%)	Gradation Silt/Clay (%)	Other Tests
							5" ASPHALT 4" BASE								
				7	7,5,3	SP-SM	brown, moist, loose — SAND W/SILT & GRAVEL								
				19	2,3,2 *0.42*	CL	brown to lt. brown, moist, firm								
	5			15	Pushed *0.36*	CL-2	red-brown, moist, firm			36	15				CT UC
				12	2,2,1 *0.50*	CL	red-brown to brown, moist, firm								
	10			16	Pushed *0.45*	CL-2	red-brown, moist, firm			36	15				CT UC
							LEAN CLAY W/SILT & SAND LENSES & LAYERS TO 3" THICK								
	15			18	2,2,3 *0.28*	CL	red-brown, moist, firm								
	20			17	Pushed *0.41*	CL	red-brown, moist, firm								
	25			15	2,3,3 *0.22*	CL	red-brown, moist, soft								
						SM	red-brown, wet, loose — SILTY SAND								
	30			16	3,5,5 *0.38*	CL	brown, moist, firm — LEAN CLAY W/SILT & SAND LENSES & LAYERS								
							SILTY SAND								

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RB&G ENGINEERING INC.
PROVO, UTAH

LEGEND:

DISTURBED SAMPLE — 2,3,2 ← Blow Count per 6"; *0.45* ← Torvane (tsf)

UNDISTURBED SAMPLE — PUSHED; *0.45* ← Torvane (tsf)

OTHER TESTS
UC = Unconfined Compression
CT = Consolidation
DS = Direct Shear
TS = Triaxial Shear
CBR = California Bearing Ratio

DRILL HOLE LOG

BORING NO. B-2

SHEET 2 OF 2

PROJECT: UTAH VALLEY STATE COLLEGE DIGITAL LEARNING CENTER
CLIENT: UTAH VALLEY STATE COLLEGE
LOCATION: SEE SITE PLAN
DRILLING METHOD: CME-55 NO. 2 / N.W. CASING W/TRICONE BIT
DRILLER: D. SAMPSON
DEPTH TO WATER - INITIAL: ▽ 8.5' **AFTER 24 HOURS:** ▼ 8.4'

PROJECT NUMBER: 200601.007
DATE STARTED: 4/27/06
DATE COMPLETED: 4/27/06
GROUND ELEVATION: NOT MEASURED
LOGGED BY: G. PEASLEE

Elev. (ft)	Depth (ft)	Lithology	Sample Type	Sample Rec. (in)	Sample See Legend	Sample USCS (AASHTO)	Material Description	Dry Density (pcf)	Moisture Content (%)	Atter. Liquid Limit	Atter. Plast. Index	Gradation Gravel (%)	Gradation Sand (%)	Gradation Silt/Clay (%)	Other Tests
				10	5,15,16	SM	brown, wet, dense — SILTY SAND		22		NP	5	74	21	
	40			18	Pushed 0.50	CL-ML	brown, moist, firm — SILTY CLAY W/SILTY SAND LAYERS 1" TO 2" APART & UP TO 2" THICK			25	4				CT
	45			10	15,16,22	SM	brown, wet, dense — SILTY SAND W/SCATTERED CLAY LENSES								
	50			10	18,15,18	SM	brown, wet, dense								
	55														
	60														
	65														

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RB&G ENGINEERING INC.
PROVO, UTAH

LEGEND:

DISTURBED SAMPLE — 2,3,2 ← Blow Count per 6"; 0.45 ← Torvane (tsf)

UNDISTURBED SAMPLE — PUSHED; 0.45 ← Torvane (tsf)

OTHER TESTS
UC = Unconfined Compression
CT = Consolidation
DS = Direct Shear
TS = Triaxial Shear
CBR = California Bearing Ratio

DRILL HOLE LOG

BORING NO. B-3

SHEET 1 OF 2

PROJECT: UTAH VALLEY STATE COLLEGE DIGITAL LEARNING CENTER
CLIENT: UTAH VALLEY STATE COLLEGE
LOCATION: SEE SITE PLAN
DRILLING METHOD: CME-55 NO. 2 / N.W. CASING W/TRICONE BIT
DRILLER: D. SAMPSON
DEPTH TO WATER - INITIAL: ▽ 8.6' **AFTER 24 HOURS:** ▼ 8.6'

PROJECT NUMBER: 200601.007
DATE STARTED: 5/1/06
DATE COMPLETED: 5/1/06
GROUND ELEVATION: NOT MEASURED
LOGGED BY: G. PEASLEE

Elev. (ft)	Depth (ft)	Lithology	Sample Type	Sample Rec. (in)	See Legend	USCS (AASHTO)	Material Description	Dry Density (pcf)	Moisture Content (%)	Atter. Liquid Limit	Atter. Plast. Index	Gradation Gravel (%)	Gradation Sand (%)	Gradation Silt/Clay (%)	Other Tests
							5" ASPHALT								
							5" BASE								
							SAND W/SILT & GRAVEL								
							SILTY GRAVEL W/SAND								
							lt. brown, moist, dense								
							dk. brown, moist, dense								
							dk. brown, moist, loose								
							dk. brown to lt. brown, moist, stiff								
	5														
							red-brown, moist, firm to stiff								
							LEAN CLAY W/SILT & SAND LENSES & LAYERS								
	10						red-brown, moist, firm								
							red-brown, moist, firm								
	15						SANDY SILT								
							red-brown, wet, loose								
							red-brown, moist								
	20														
							red-brown, moist, soft to firm								
							LEAN CLAY W/SILT & SAND LENSES & LAYERS								
	25						red-brown, moist								
							red-brown, wet								
							red-brown, wet, loose								
							SILTY SAND								
	30						red-brown, moist/wet, soft/loose								
							LEAN CLAY INTERBEDDED W/SILTY SAND LAYERS 0.5" TO 2" THICK & UP TO 2" APART								
							LEAN CLAY W/SILTY SAND LAYERS TO 2" THICK								

Type	Rec. (in)	See Legend	USCS (AASHTO)	Dry Density (pcf)	Moisture Content (%)	Liquid Limit	Plast. Index	Gravel (%)	Sand (%)	Silt/Clay (%)	Other Tests
	13	15,27,36	SP-SM / GM								
	14	6,8,9 *0.57*	GM / CL								
	16	Pushed *0.70* *0.49*	CL-2			37	16				UC
	12	2,1,1 *0.30*	CL								
	14	Pushed *0.44*	CL-2								UC
	15	2,3,2	ML / CL								
	9	3,2,2 *0.12* *0.35*	CL								
	11	Pushed	CL / SM								
	15	2,3,6	SM		26.4		NP	0	87	13	
	15	Pushed *0.24*	CL,SM								

LEGEND:

DISTURBED SAMPLE — 2,3,2 ← Blow Count per 6"; *0.45* ← Torvane (tsf)

UNDISTURBED SAMPLE — PUSHED; *0.45* ← Torvane (tsf)

OTHER TESTS
UC = Unconfined Compression
CT = Consolidation
DS = Direct Shear
TS = Triaxial Shear
CBR = California Bearing Ratio

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DRILL HOLE LOG

BORING NO. B-3

SHEET 2 OF 2

PROJECT: UTAH VALLEY STATE COLLEGE DIGITAL LEARNING CENTER
CLIENT: UTAH VALLEY STATE COLLEGE
LOCATION: SEE SITE PLAN
DRILLING METHOD: CME-55 NO. 2 / N.W. CASING W/TRICONE BIT
DRILLER: D. SAMPSON
DEPTH TO WATER - INITIAL: ▽ 8.6' **AFTER 24 HOURS:** ▼ 8.6'

PROJECT NUMBER: 200601.007
DATE STARTED: 5/1/06
DATE COMPLETED: 5/1/06
GROUND ELEVATION: NOT MEASURED
LOGGED BY: G. PEASLEE

Elev. (ft)	Depth (ft)	Lithology	Sample Type	Sample Rec. (in)	Sample See Legend	Sample USCS (AASHTO)	Material Description	Dry Density (pcf)	Moisture Content (%)	Atter. Liquid Limit	Atter. Plast. Index	Gradation Gravel (%)	Gradation Sand (%)	Gradation Silt/Clay (%)	Other Tests
				15	4,5,7 *0.15*	CL	brown, very moist, soft								
							LEAN CLAY W/SILTY SAND LAYERS TO 2" THICK								
	40			17	Pushed *0.29*	CL	brown, moist, firm		26.4	33	14				
	45			15	4,5,13 *0.36*	CL,SM	red-brown, moist/wet, firm/med. dense								
							INTERBEDDED LEAN CLAY & SILTY SAND LAYERS 0.5" TO 3" THICK								
	50			21	17,30,60	SM	brown, wet, very dense								
	55			18	21,30,33	SM	brown, wet, very dense								
	60			14	29,39,34	SM	brown, wet, very dense								
							SILTY SAND W/SCATTERED CLAY LENSES								
	65			14	25,31,34	SM	brown, wet, very dense		21		NP	0	88	12	
				13	21,34,42	SM	brown, wet, very dense								

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LEGEND:

DISTURBED SAMPLE — 2,3,2 ← Blow Count per 6"; 0.45 ← Torvane (tsf)

UNDISTURBED SAMPLE — PUSHED; 0.45 ← Torvane (tsf)

OTHER TESTS
UC = Unconfined Compression
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