DRILL HOLE LOG

BORING NO. 08-P3-B1

PROJECT: I-15 UTAH CO. CORRIDOR - P3, I-15 OVER 820 NORTH
CLIENT: UTAH DEPARTMENT OF TRANSPORTATION
LOCATION: N:260,030 E:586,357
DRILLING METHOD: 08-CME-55 / N.W. CASING TO 40'
DRILLER: D. SAMPSON
DEPTH TO WATER - INITIAL: ▽ 28' **AFTER 24 HOURS:** ▼ N.M.

PROJECT NUMBER: 200801.200
DATE STARTED: 1/5/09
DATE COMPLETED: 1/8/09
GROUND ELEVATION: 4560.4'
LOGGED BY: M.H., C.S., J.B.

Elev. (ft)	Depth (ft)	Lithology	Sample Type	Sample Rec. (in)	Sample 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
4560			■	9	29,32,23,(99+)	SM (A-1-b)	brown, slightly moist, very dense	SILTY SAND W/GRAVEL (fill)		7.0		NP	15	71	14	
4555	5		■	14	15,17,26,(97)	GM SM (A-2-4(0))	brown, wet / brown, moist, very dense	SILTY GRAVEL W/SAND possible cobbles (fill)		10.8		NP	20	64	16	
4550	10		■	12	16,20,25,(78)	SM	brown, moist, very dense	SILTY SAND W/GRAVEL (fill)								
4545	15		■	15	12,13,32,(64)	SM (A-2-4(0))	brown, wet, very dense			16.5		NP	0	85	15	DS
4540	20		■	11	18,28,34,(77)	SM (A-2-4(0))	brown, moist, very dense	SILTY SAND (fill)		11.9		NP	9	71	20	
4535	25		■	11	17,38,30,(76)	SM (A-2-4(0))	brown, moist, very dense	SILTY SAND W/GRAVEL		11.0		NP	26	55	19	
4530	30		■	17	6,4,9,(14)	SM (A-4(0))	dk. gray, wet, med. dense	SILTY SAND		23.6		NP	0	58	42	11% -0.005 mm
4525	35		☒	12	Pushed	ML (A-4(0))	lt. gray, wet	SANDY SILT clay layers less than 1" thick	96.4	23.6		NP	0	35	65	UU
4520	40		■	12	3,4,5,(9) *0.47*	CL	gray, moist, firm	LEAN CLAY W/SAND sand and/or silt lenses								
4515	45		■	18	2,3,2,(5) *0.31*	ML (A-4(9))	gray, very moist, firm	SILT plastic, sand lenses		34.3	35	9	0	8	92	23% -0.005 mm
								SILT W/SAND low plasticity, sand lenses								

DH_LOGV1 08-P3.GPJ US EVAL.GDT 5/28/09

RB&G ENGINEERING, INC.

LEGEND:

DISTURBED SAMPLE ■ 2,3,2,(6) ← Blow Count per 6"; ← $(N_1)_{60}$ Value; *0.45* ← Torvane (tsf)

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

OTHER TESTS
UC = Unconfined Compression
CT = Consolidation
DS = Direct Shear
UU = Unconsolidated, Undrained
CU = Consolidated, Undrained
HYD = Hydrometer
SS = Soluble Salt
DC = Dispersive Clay

DRILL HOLE LOG

BORING NO. 08-P3-B1

PROJECT: I-15 UTAH CO. CORRIDOR - P3, I-15 OVER 820 NORTH
CLIENT: UTAH DEPARTMENT OF TRANSPORTATION
LOCATION: N:260,030 E:586,357
DRILLING METHOD: 08-CME-55 / N.W. CASING TO 40'
DRILLER: D. SAMPSON
DEPTH TO WATER - INITIAL: ▽ 28' **AFTER 24 HOURS:** ▼ N.M.

PROJECT NUMBER: 200801.200
DATE STARTED: 1/5/09
DATE COMPLETED: 1/8/09
GROUND ELEVATION: 4560.4'
LOGGED BY: M.H., C.S., J.B.

Elev. (ft)	Depth (ft)	Lithology	Sample Type	Sample Rec. (in)	Sample 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
4510			☒	15	Pushed *0.32*	ML (*A-4(1)*)	gray, wet, firm SILT W/SAND low plasticity, sand lenses	93.1	30.2	28	2	0	22	78	UC
4505	55		■	12	*0.38* 2,2,1,(3) *0.22*	ML CL	gray, wet, firm gray, moist, soft								
4500	60		☒	18	Pushed *0.34*	CL (*A-7-6(29)*)	gray, moist, firm LEAN CLAY few silt lenses	79.4	40.1	48	26	0	1	99	CT UU
4495	65		■	18	0/18",(0) *0.32*	CL	gray, moist, firm								
4490	70		☒ ■	16 16	*0.39* Pushed 4,4,5,(7)	CL (*A-6(12)*) ML ML	gray, moist, firm gray, wet gray, wet, loose SANDY SILT	94.9	28.9	34	12	0	2	98	UC
4485	75		■	15	25,31,34,(52)	SM	gray, wet, very dense SILTY SAND								
4480	80		■	17	14,40,43,(65)	SM (*A-2-4(0)*)	gray, wet, very dense SILTY SAND clay layers to 3" thick		20.7		NP	0	82	18	
4475	85		■	15	20,26,30,(43)	SM	gray, wet, dense SILTY SAND								
4470	90		■	15	21,26,27,(40)	SM	gray, wet, dense								
4465	95		■	17	7,4,3,(5) *0.20*	CL (*A-7-6(22)*)	gray, moist, soft LEAN CLAY thin sand & silt layers		37.4	42	22	0	5	95	

DH_LOGV1 08-P3.GPJ US EVAL.GDT 5/28/09

RB&G ENGINEERING, INC.

LEGEND:

DISTURBED SAMPLE ■ 2,3,2,(6) ← Blow Count per 6"; ← $(N_1)_{60}$ Value; *0.45* ← Torvane (tsf)

UNDISTURBED SAMPLE ☒ PUSHED *0.45* ← Torvane (tsf)

OTHER TESTS
UC = Unconfined Compression
CT = Consolidation
DS = Direct Shear
UU = Unconsolidated, Undrained
CU = Consolidated, Undrained
HYD = Hydrometer
SS = Soluble Salt
DC = Dispersive Clay

DRILL HOLE LOG

BORING NO. 08-P3-B1

PROJECT: I-15 UTAH CO. CORRIDOR - P3, I-15 OVER 820 NORTH
CLIENT: UTAH DEPARTMENT OF TRANSPORTATION
LOCATION: N:260,030 E:586,357
DRILLING METHOD: 08-CME-55 / N.W. CASING TO 40'
DRILLER: D. SAMPSON
DEPTH TO WATER - INITIAL: ▽ 28' **AFTER 24 HOURS:** ▼ N.M.

PROJECT NUMBER: 200801.200
DATE STARTED: 1/5/09
DATE COMPLETED: 1/8/09
GROUND ELEVATION: 4560.4'
LOGGED BY: M.H., C.S., J.B.

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
4460			■	18	0,1,4,(4) *0.52*	CL	gray, moist, stiff	LEAN CLAY thin sand & silt layers								
4455	105		■	16	21,27,31,(41)	CL (*A-6(7)*)	gray, moist, stiff	SANDY LEAN CLAY thin sand & silt layers		23.1	32	13	0	30	70	
4450	110		⊠	6	Pushed	SM	gray, wet	SILTY SAND								
			■	17	4,8,12,(14) *0.65*	SM	gray, wet									
						CL	gray-brown, moist, stiff	LEAN CLAY								
4445	115							SAND W/CLAY LAYERS (driller's observation)								
4440	120		⊠	17	Pushed *0.62*	CL (*A-4(9)*)	gray, moist, stiff		95.7	26.7	29	10	0	6	94	CT UC
4435	125															
4430	130		■	18	6,8,8,(10) *0.53*	CL	gray-brown, moist, stiff	LEAN CLAY many sand and/or silt lenses & layers to 0.5" thick								
4425	135															
4420	140		■	18	8,11,15,(16) *0.60*	CL (*A-4(8)*)	gray, moist, stiff			27.7	29	9	0	3	97	
4415	145															

DH_LOGV1 08-P3.GPJ US EVAL.GDT 5/28/09

LEGEND:

DISTURBED SAMPLE ■ 2,3,2,(6) ← Blow Count per 6"; ← $(N_1)_{60}$ Value; *0.45* ← Torvane (tsf)

UNDISTURBED SAMPLE ⊠ PUSHED *0.45* ← Torvane (tsf)

OTHER TESTS
UC = Unconfined Compression
CT = Consolidation
DS = Direct Shear
UU = Unconsolidated, Undrained
CU = Consolidated, Undrained
HYD = Hydrometer
SS = Soluble Salt
DC = Dispersive Clay

RB&G ENGINEERING, INC.

DRILL HOLE LOG

BORING NO. 08-P3-B2

PROJECT: I-15 UTAH CO. CORRIDOR - P3, I-15 OVER 820 NORTH
CLIENT: UTAH DEPARTMENT OF TRANSPORTATION
LOCATION: N:260,241 E:586,521
DRILLING METHOD: 96-CME-55 TO 61' THEN 08-CME-55 / N.W. CASING TO 70'
DRILLER: E. RICHARDSON, D. SAMPSON
DEPTH TO WATER - INITIAL: ▽ 6.5' **AFTER 24 HOURS:** ▼ N.M.

PROJECT NUMBER: 200801.200
DATE STARTED: 12/8/08
DATE COMPLETED: 12/10/08
GROUND ELEVATION: 4540.5'
LOGGED BY: G.P., M.H., J.B.

Elev. (ft)	Depth (ft)	Lithology	Sample Type	Sample Rec. (in)	Sample 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
4540			■	14	7,20,33,(99+)	SM (A-2-4(0))	brown, slightly moist, very dense	SILTY SAND W/GRAVEL		6.5		NP	20	58	22	
4535	5		■	13	1,1,5,(13)	ML (A-4(0))	lt. brown, wet, med. dense	SANDY SILT		26.0		NP	0	36	64	
4530	10		■	0	12,8,16,(46)	-	no recovery	GRAVELS (driller's observation)								
			■	8	8,6,4,(17) *0.25*	CL	brown to gray, moist, soft to firm	LEAN CLAY trace gravels								
4525	15		⊠	18	Pushed *0.20*	ML (A-4(10))	gray, very moist, soft	SILT plastic	87.3	36.5	34	9	0	2	98	CT CU
4520	20		■	12	2,2,3,(8) *0.10*	CL	gray-brown, moist, very soft	LEAN CLAY silt lenses								
4515	25		⊠	15	Pushed *0.15*	CL (A-6(11))	gray-brown, moist, soft		91.2	32.5	36	12	0	10	90	UC UU
4510	30		■	18	0/18",(0) *0.21*	ML	gray, very moist, soft	SILT plastic								
4505	35		■	18	4,7,11,(22)	SP-SM	gray, wet	SAND W/SILT								
						ML (A-4(0))	gray, wet, med. dense	SANDY SILT		23.1		NP	0	39	61	20% -0.005 mm
4500	40		■	18	4,11,13,(28)	SM	gray, wet, med. dense	SILTY SAND silty clay layers to 5" thick								
4495	45		■	17	1,2,11,(15)	SM (A-2-4(0))	gray, wet			27.6		NP	0	87	13	
						SC	gray, wet, med. dense	CLAYEY SAND								
								LEAN CLAY W/SAND								

DH_LOGV1 08-P3.GPJ US EVAL.GDT 5/28/09

RB&G ENGINEERING, INC.

LEGEND:

DISTURBED SAMPLE ■ 2,3,2,(6) — Blow Count per 6"; $(N_1)_{60}$ Value
0.45 — Torvane (tsf)

UNDISTURBED SAMPLE ⊠ PUSHED *0.45* — Torvane (tsf)

OTHER TESTS
UC = Unconfined Compression
CT = Consolidation
DS = Direct Shear
UU = Unconsolidated, Undrained
CU = Consolidated, Undrained
HYD = Hydrometer
SS = Soluble Salt
DC = Dispersive Clay

DRILL HOLE LOG

BORING NO. 08-P3-B2

PROJECT: I-15 UTAH CO. CORRIDOR - P3, I-15 OVER 820 NORTH
CLIENT: UTAH DEPARTMENT OF TRANSPORTATION
LOCATION: N:260,241 E:586,521
DRILLING METHOD: 96-CME-55 TO 61' THEN 08-CME-55 / N.W. CASING TO 70'
DRILLER: E. RICHARDSON, D. SAMPSON
DEPTH TO WATER - INITIAL: ▽ 6.5' **AFTER 24 HOURS:** ▼ N.M.

PROJECT NUMBER: 200801.200
DATE STARTED: 12/8/08
DATE COMPLETED: 12/10/08
GROUND ELEVATION: 4540.5'
LOGGED BY: G.P., M.H., J.B.

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
4490			■	14	1,2,1,(3) *0.26*	CL (*A-4(8)*)	gray, moist, firm	LEAN CLAY W/SAND		25.1	30	10	0	15	85	
4485	55		⊠	13	Pushed	SM	gray, wet	SILTY SAND								
			■	18	4,6,9,(15)	SM (*A-2-4(0)*)	gray, wet, med. dense			23.5		NP	0	72	28	
4480	60		■	18	10,16,24,(39)	SM	gray, wet, dense									
4475	65		■	15	24,39,37,(73)	SM (*A-2-4(0)*)	gray, wet, very dense	SILTY SAND occasional clay layers to 3" thick		19.7		NP	0	70	30	
4470	70		■	6	0/18",(0) *0.15*	CL	gray-brown, moist, soft	LEAN CLAY interbedded w/sand lenses & layers to 2" thick								
4465	75		■	18	0/9",1/3",4,(5) *0.36*	CL	gray-brown, moist, firm	LEAN CLAY								
4460	80		⊠	12	Pushed	CL SM (*A-2-4(0)*)	gray-brown, moist; gray, wet			20.6		NP	0	70	30	
			■	18	9,20,36,(49)	SM	gray, wet, dense	SILTY SAND								
4455	85		⊠	15	Pushed *0.42*	CL (*A-7-6(22)*)	gray-brown, moist, firm	LEAN CLAY silt lenses	84.3	33.1	41	20	0	1	99	CT UC
4450	90		■	18	1,6,8,(12) *0.51*	CL	gray-brown, moist, stiff									
4445	95		⊠	15	Pushed *0.63*	CL (*A-6(7)*)	gray-brown, moist, stiff	LEAN CLAY W/SAND	105.9	24.0	28	12	0	26	74	UU
								LEAN CLAY silt lenses								

DH_LOGV1 08-P3.GPJ US EVAL.GDT 5/28/09

RB&G ENGINEERING, INC.

LEGEND:

DISTURBED SAMPLE ■ 2,3,2,(6) ← Blow Count per 6"; ← $(N_1)_{60}$ Value; *0.45* ← Torvane (tsf)

UNDISTURBED SAMPLE ⊠ PUSHED *0.45* ← Torvane (tsf)

OTHER TESTS
UC = Unconfined Compression
CT = Consolidation
DS = Direct Shear
UU = Unconsolidated, Undrained
CU = Consolidated, Undrained
HYD = Hydrometer
SS = Soluble Salt
DC = Dispersive Clay

DRILL HOLE LOG

BORING NO. 08-P3-B2

PROJECT: I-15 UTAH CO. CORRIDOR - P3, I-15 OVER 820 NORTH
CLIENT: UTAH DEPARTMENT OF TRANSPORTATION
LOCATION: N:260,241 E:586,521
DRILLING METHOD: 96-CME-55 TO 61' THEN 08-CME-55 / N.W. CASING TO 70'
DRILLER: E. RICHARDSON, D. SAMPSON
DEPTH TO WATER - INITIAL: ▽ 6.5' **AFTER 24 HOURS:** ▼ N.M.

PROJECT NUMBER: 200801.200
DATE STARTED: 12/8/08
DATE COMPLETED: 12/10/08
GROUND ELEVATION: 4540.5'
LOGGED BY: G.P., M.H., J.B.

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
4440			■	18	11,16,16,(25) *0.40*	CL	gray-brown, moist, firm, 1.5" sand layer									
4435	105		⊠	14	Pushed *0.49*	CL (*A-6(20)*)	gray-brown, moist, firm	LEAN CLAY silt lenses	88.4	28.3	40	20	0	5	95	CT UC
4430	110		■	18	*0.45* 7,26,29,(42)	CL SM	gray-brown, moist, firm; dk. gray, wet, dense	SILTY SAND								
4425	115		■	18	15,15,20,(26) *0.28*	SM CL (*A-6(11)*)	dk. gray, wet; gray-brown, moist, firm			27.4	33	12	0	8	92	
4420	120		⊠	3	Pushed *0.25*	CL	gray-brown, moist, soft to firm	LEAN CLAY silt and/or sand lenses & layers to 1" thick								
4415	125		■	16	*0.15* 15,24,29,(38)	CL SM	gray-brown, moist, soft; gray-brown, wet, dense	SILTY SAND possible clay layers (driller's observation)								
4410	130		■	14	32,37,41,(55)	SM (*A-4(0)*)	gray-brown, wet, very dense			22.2		NP	0	64	36	
								CLAY (driller's observation)								
4405	135							SAND (driller's observation)								
4400	140					ML	dk. gray, wet	SANDY SILT clay layers								
			■	12	31,78/6",(REF)	GM	gray-brown, wet, dense	SILTY GRAVEL W/SAND								
4395	145															

DH_LOGV1 08-P3.GPJ US EVAL.GDT 5/28/09

RB&G ENGINEERING, INC.

LEGEND:

DISTURBED SAMPLE ■ 2,3,2,(6) ← Blow Count per 6"; ← $(N_1)_{60}$ Value; *0.45* ← Torvane (tsf)

UNDISTURBED SAMPLE ⊠ PUSHED *0.45* ← Torvane (tsf)

OTHER TESTS
UC = Unconfined Compression
CT = Consolidation
DS = Direct Shear
UU = Unconsolidated, Undrained
CU = Consolidated, Undrained
HYD = Hydrometer
SS = Soluble Salt
DC = Dispersive Clay

DRILL HOLE LOG

BORING NO. 09-P3-B3

SHEET 1 OF 1

PROJECT: I-15 UTAH CO. CORRIDOR - P3, I-15 OVER 820 NORTH

CLIENT: UTAH DEPARTMENT OF TRANSPORTATION

LOCATION: N:259,993 E:586,045

DRILLING METHOD: 96-CME-55 / N.W. CASING TO 25'

DRILLER: T. KERN

DEPTH TO WATER - INITIAL: ▽ 9.1' **AFTER 24 HOURS:** ▼ 6.6' 5/4/09

PROJECT NUMBER: 200801.200

DATE STARTED: 5/1/09

DATE COMPLETED: 5/1/09

GROUND ELEVATION: 4535.6'

LOGGED BY: C. SANBORN, J. BOONE

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
4535								SANDY SILT sand lenses								
	5			15	6,7,9,(36)	ML	brown, moist, dense									
4530				15	7,5,8,(28)	ML	brown, wet, med. dense	SANDY SILT W/GRAVEL sand lenses								
				7	16,13,9,(45)	GM (A-4(0))	brown, wet, med. dense	SILTY GRAVEL W/SAND		15.5		NP	39	25	36	5% -0.005 mm
	10			17	0,2,2,(8) 0.66	CL (A-7-6(21))	brown, moist, stiff	LEAN CLAY silt lenses		32.1	44	20	0	7	93	
4525				10	0/18",(0) 0.23	CL	gray-brown, moist, soft									
	15			18	0/18",(0) 0.22	ML (A-6(12))	gray-brown, very moist, soft	SILT plastic, sand lenses		39.4	37	11	0	3	97	
4520				18	0/12",1,(2) 0.14	ML (A-4(8))	gray-brown, wet, soft			39.5	35	9	0	13	87	24% -0.005 mm
				18	0/12",2,(3) 0.22	ML (A-4(0))	gray-brown, wet, soft	SILT W/SAND plastic		34.7	28	1	0	20	80	19% -0.005 mm
	20			18	0/18",(0) 0.28	ML (A-4(4))	gray-brown, wet, firm	SANDY SILT plastic		38.7	31	8	0	32	68	19% -0.005 mm
4515					0.24	CL	gray-brown, moist, soft	LEAN CLAY								
				18	0/18",(0) 0.20	ML (A-4(11))	gray, very moist, soft	SILT plastic, sand lenses		38.6	36	10	0	4	96	
	25			18	0/18",(0) 0.30	CL	gray-brown, moist, firm	LEAN CLAY								
4510				18	2,6,7,(18)	SM	gray-brown, wet, med. dense	SILTY SAND								
	30															
4505																
	35															
4500																
	40															
4495																
	45															
4490																

DH_LOGV1 08-P3.GPJ US EVAL.GDT 5/28/09

RB&G ENGINEERING, INC.

LEGEND:

DISTURBED SAMPLE: 2,3,2,(6) — Blow Count per 6"; $(N_1)_{60}$ Value; 0.45 — Torvane (tsf)

UNDISTURBED SAMPLE: PUSHED; 0.45 — Torvane (tsf)

OTHER TESTS

UC = Unconfined Compression
CT = Consolidation
DS = Direct Shear
UU = Unconsolidated, Undrained
CU = Consolidated, Undrained
HYD = Hydrometer
SS = Soluble Salt
DC = Dispersive Clay

DRILL HOLE LOG

BORING NO. 09-P3-B4

SHEET 1 OF 1

PROJECT: I-15 UTAH CO. CORRIDOR - P3, I-15 OVER 820 NORTH
CLIENT: UTAH DEPARTMENT OF TRANSPORTATION
LOCATION: N:260,128 E:586,530
DRILLING METHOD: 96-CME-55 / N.W. CASING TO 20'
DRILLER: E. RICHARDSON
DEPTH TO WATER - INITIAL: N.M. **AFTER 24 HOURS:** 5.5'

PROJECT NUMBER: 200801.200
DATE STARTED: 4/14/09
DATE COMPLETED: 4/14/09
GROUND ELEVATION: 4537.2'
LOGGED BY: C. SANBORN, J. BOONE

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
4535																
	5			0	9,3,2,(11)	-	no recovery	SILT W/SAND clay lenses & layers								
4530				11	2,4,4,(18) *0.16*	ML (*A-4(0)*)	lt. brown to brown, very moist to wet, med. dense			31.9		NP	0	28	72	8% -0.005 mm
				15	5,4,5,(19)	ML (*A-4(0)*)	lt. brown to brown, very moist, med. dense			26.7		NP	8	13	79	13% -0.005 mm
	10			15	3,4,5,(18) *0.30*	ML	greenish-gray, very moist, firm									
4525				18	2,1,2,(6) *0.30*	ML (*A-4(3)*)	greenish-gray, wet, soft to firm	SILT plastic, sand lenses, clay lenses		34.4	30	3	0	4	96	17% -0.005 mm
	15			16	1,1,0,(2) *0.23*	ML	greenish-gray, wet, soft									
4520				18	0/18",(0) *0.26*	ML (*A-4(7)*)	gray-brown, wet, firm			39.3	32	7	0	7	93	21% -0.005 mm
				16	0/15",2,(3) *0.29*	ML (*A-4(4)*)	gray-brown, wet, firm	SILT W/SAND plastic, sand lenses		36.4	32	6	0	29	71	19% -0.005 mm
	20			18	1,2,2,(6)	ML (*A-4(0)*)	gray-brown, wet, loose	SANDY SILT		32.0		NP	0	31	69	13% -0.005 mm
4515																
	25															
4510																
	30															
4505																
	35															
4500																
	40															
4495																
	45															
4490																

DH_LOGV1 08-P3.GPJ US EVAL.GDT 5/28/09

RB&G ENGINEERING, INC.

LEGEND:

DISTURBED SAMPLE — 2,3,2,(6) — Blow Count per 6"; $(N_1)_{60}$ Value; *0.45* — Torvane (tsf)

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

OTHER TESTS
UC = Unconfined Compression
CT = Consolidation
DS = Direct Shear
UU = Unconsolidated, Undrained
CU = Consolidated, Undrained
HYD = Hydrometer
SS = Soluble Salt
DC = Dispersive Clay