APPENDIX C

BORING LOGS, 2003 ADDENDUM INVESTIGATION

BORING LOG

Hamilton Dutch

~~LOCATION~~ OF BORING	JOB NUMBER
	LOCATION SBL0208 ~~SBL0126~~
DRILLING METHOD: Direct Push	BORING NUMBER SBL0208W
SAMPLING METHOD:	SHEET 1 OF 2
SURFACE CONDITIONS:	DRILLING START TIME / FINISH TIME / DATE 11/21/02 / DATE

Building

+ SBL0208

30'

N

DATUM...

ELEVATION

DRILLING CONTRACTOR Gregg Drilling

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0		Asphalt 0-.5'
	2.0 / 1.3	0840						ML SM	D/S Brown, 7.5YR 3/2, Fine Sandy Silt with some clay, moist, stiff. mild hydrocarbon odor.
						SSS01617	1		
					60				
							2		
	2.0 / 1.0	0845							
					65		3		
							4		
	2.0 / 0.8	0850							
					80		5		
							6		
	2.0 / 1.7	0905							
							7		
					350		8		
	2.0 / 2.0	0910				SSS01618			
							9		
								SM	Strong Brown, 7.5YR 4/6 Silty Fine Sand, moist, med-dense no-odor
					4		10		

Bottom of boring 10.5'

BY David Myers DATE 11-23-02 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER

LOCATION Hamilton Beach

DRILLING METHOD Direct Push

BORING NUMBER SBL0209 ~~SBL0127~~

SAMPLING METHOD:

SHEET 1 OF 1

DRILLING START TIME 0950 DATE 11/27/02

FINISH TIME DATE

SURFACE CONDITIONS:

SBL0208 + ~~SBL0126~~

SBL0209 ~~SBL0127~~ +

30'

DATUM... ELEVATION

DRILLING CONTRACTOR Gregg Drilling

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
	2.0 / 1.2	0950			35	SSS01619	0	
	2.0 / 1.8	0955			~~35~~		1	
					27		2	
	2.0 / 1.2	1000			7		3	
							4	
							5	
							6	
							7	
							8	
							9	
							10	

Asphalt 0-.5'

Dk Yellowish Brown

Becomes - saturated - landscape water

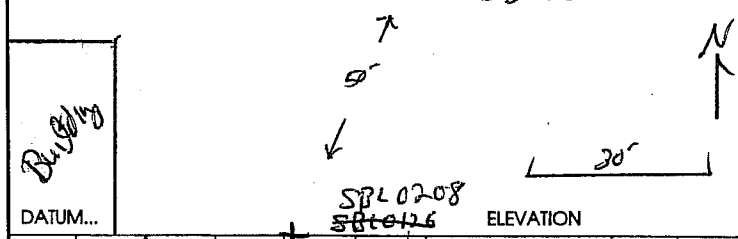
Bottom of boring

BY David Ayers DATE 11/27/02 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING: X ~~SBL0128~~ SBL0210



DATUM... Building

ELEVATION

JOB NUMBER

LOCATION: Hamilton Dutch

DRILLING METHOD: Direct Push

BORING NUMBER: ~~SBL0128~~ SBL0210

SAMPLING METHOD:

SHEET 1 OF 1

DRILLING: START TIME / DATE; FINISH TIME / DATE

SURFACE CONDITIONS:

DRILLING CONTRACTOR: Gregg Drilling

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0		
	1.8 / 1.8	1040						CL	DK Grayish Brown, 10YR 4/2, Silty Clay moist, soft
							1		
					3.5	SSS01620			
	2.0 / 2.0	1045					2	ML	DK Yellowish Brown 10YR 4/4, Clayey Silt w/ very fine sand
							3		
					2.4				
	2.0 / 2.2						4	SM	Strong Brown, 7.5YR 4/6, Silty SAND, fine sands, moist, dense +
							5		
					1.5				
							6		Bottom of boring
							7		
							8		
							9		
							0		

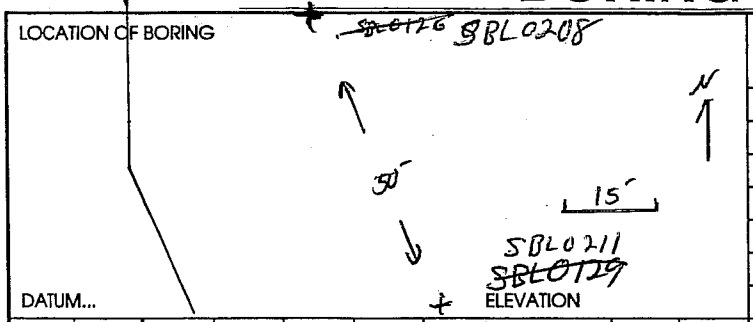
BY David Myers

DATE 11/23/02 CHECKED BY DCM

DAMES & MOORE

BORING LOG

LOCATION OF BORING: ~~SBL0126~~ SBL0208



DATUM...

ELEVATION

JOB NUMBER

LOCATION: SBL0211

DRILLING METHOD: Direct Push

BORING NUMBER: ~~SBL0129~~

SAMPLING METHOD: 1 1/2"

SHEET 1 OF

DRILLING START TIME / FINISH TIME / DATE / DATE

SURFACE CONDITIONS:

DRILLING CONTRACTOR: Gregg Drilling

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0		Asphalt
	2.0 / 1.6	1110					1	ML/SM	Dk Brown 7.5YR 3/3, Very Fine Sandy Silt, moist, mod-dense no odors or staining
						SSS01621			
					0.0		2		
	2.5 / 2.0						3		Becomes lighter brown - to Brown 7.5YR 4/4, Increased Silt.
							4		
					0.0		5		Bottom of boring 5.0'
							6		
							7		
							8		
							9		
							10		

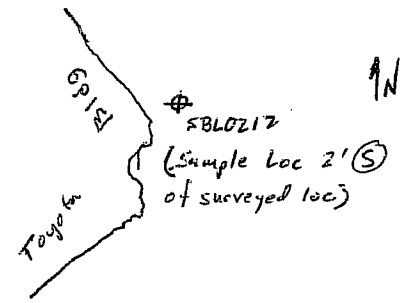
BY David Myers

DATE 11/23/02 CHECKED BY DLM

DAMES & MOORE

URS

LOCATION OF BORING



JOB NO.	CLIENT	LOCATION
	Shell	APN 7351-33-17

DRILLING METHOD: Geoprobe vibratory hammer

BORING NO. SBL0212 ~~SBL0212~~ MW

SHEET 1 OF 2

SAMPLING METHOD: 4" Acetate sleeves, macrocores

WATER LEVEL				
TIME				
DATE				
CASING DEPTH				

DRILLING

START	FINISH
TIME 0830	TIME 0923
DATE 01/18/03	DATE 01/18/03

DATUM Feet Time PID ELEVATION

SURFACE CONDITIONS: 6" Asphalt

SAMPLER TYPE	~~INCHES DRIVEN~~ / INCHES RECOVERED	~~DEPTH OF CASING~~	SAMPLE NO. / SAMPLE DEPTH	BLOWS/FT SAMPLER	~~NUMBER OF RINGS~~	DEPTH IN FEET	SOIL GRAPH	
						0		Asphalt 0-.5'
	4 / 2.1							
		0835			<2	10	SM	Dk brown silty fine SAND w/ gravel, moist, dense
			SSS01622 / 0835			15	CL	Dk brown CLAY w/ little silt and f. sand, moist, med stiff, slight hydrocarbon odor
						24		- Becomes orange brown, sandy
						5		
						30		
						7		
						40		
	4 / 3.9	0845 ~~0845~~ MW			5.2	0		
						50		
						1		
						60		
						3		- Becomes gravelly at ~6.75', slightly oily odor
					1.4	70		
						5		
					16.7	80	GC	Dk gray-brown gravel w/ clay and ~~coarse~~ MW fine-coarse sand at ~8'
	4 / 3.8	0902			2.3 ~~10~~ MW	0	CL	Brown CLAY w/ little sand and silt
						90		
						0		- Becomes sandy w/ gravel to 1" diam.
					5.6	10		

DRILLING CONTR. Gregg

BY Mark Wenck DATE 1-18-03 CHK'D BY DLM

25.1 (3) (REV. 11-80)

LOCATION OF BORING	JOB NO.	CLIENT	LOCATION
		Shell	APN 7351-33-17/34

DRILLING METHOD: Geoprobe vibratory hammer

BORING NO. SBL0212

SHEET 2 OF 2

SAMPLING METHOD: 4' Acetate sleeves

					DRILLING START	DRILLING FINISH
WATER LEVEL					TIME	TIME
TIME					0830	0923
DATE					DATE	DATE
CASING DEPTH					1/18/03	1/18/03

DATUM Time PID ELEVATION

SURFACE CONDITIONS: Asphalt

SAMPLER TYPE	Fx INCHES DRIVEN / Fx INCHES RECOVERED	DEPTH OF CASING	SAMPLE NO. / SAMPLE DEPTH	BLOWS/FT SAMPLER	NUMBER OF RINGS	DEPTH IN FEET	SOIL GRAPH	
						10	CL	Brown CLAY w/ little sand and silt, damp, stiff
						11		
					4.3	12		
	4 / 3.0	0923						
						13		
						14		
						15		
						16		
						4		Boring completed at ~16.5' on 1-18-03
						5		
						6		
						7		
						8		
						9		
						0		

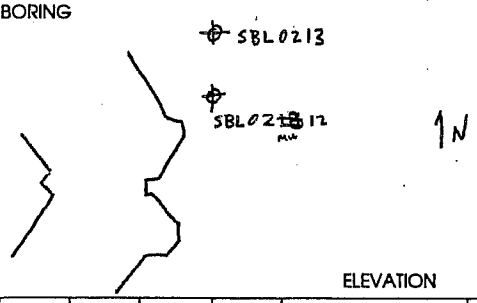
DRILLING CONTR. Gregg

BY Mark Wanek DATE 1-18-03 CHK'D BY DLM

25.1 (3) (REV. 11-80)

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
	APN: 7351-33-17

DRILLING METHOD: Geoprobe vibratory hammer

BORING NUMBER: SBL0213

SAMPLING METHOD: 4' Acetate sleeves, macrocore

SHEET: 1 OF 2

DRILLING CONTRACTOR Gregg

DRILLING START TIME	DRILLING FINISH TIME
1000	1100
DRILLING START DATE	DRILLING FINISH DATE
1/18/03	1-18-07

SURFACE CONDITIONS: 3" Asphalt

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 3.8						0	Asph.	Asphalt
							MW	GW	Very dk grayish-brown sandy Gravel
							1	CH	MW Dk yellowish-brown (10YR, 3/4) CLAY w/ trace med. sand and gravel, moist, very stiff (CH)
		1005			1.9	SSS01623	2		
							3		
							4	ML	(10YR, 5/6) Yellowish-brown SILT w/ trace very fine sand, damp, mod. dense
	4 / 3.9	1010			2.9			SM	
					10.6		5		Dk yellowish-brown (10YR, 3/4) silty fine SAND, damp, dense
							6		
							7		
							8	MW	MW - Becomes gray-brown, MW coarse fine-med. sand
					7.8			MW	
	4 / 0.2						9		- Becomes dk yellowish brown (4/4), MW fine sand
							10		No Recovery

BY Mark Wanek DATE 1-18-03 CHECKED BY DCM

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
		APN 7351-33

DRILLING METHOD:	BORING NUMBER
Geoprobe	SBL0213
SAMPLING METHOD:	SHEET
4' Acetate Sleeves	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START	DRILLING FINISH
~4" Asphalt	TIME 1000	TIME 1100
	DATE 1-18-03	DATE 1-18-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	
							11		
							12		
	4 / 3.8	1055			5.6				- Becomes ~ Dk yellowish brown (10YR, 4/6) silty very fine SAND w/ very dk grayish brown (10YR, 3/2) clay root casts ~0.1' long
					5.0		13		- Becomes siltier, no root casts at ~13.4'
							14		
							15		
					6.0		16		
							7		Boring completed to ~16.3' on 1-18-03
							8		
							9		
							0		

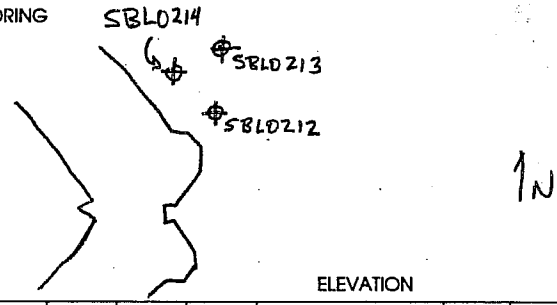
BY Mark Wanek CHECKED BY DCM

DATE 1-18-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION

JOB NUMBER	
LOCATION	APN 7351-33-17
DRILLING METHOD:	Geoprobe
BORING NUMBER	SBL0214
SAMPLING METHOD:	4' Acetate sleeves
SHEET	1 OF 2
SURFACE CONDITIONS:	~ 4" Asphalt
DRILLING START TIME	1115
DRILLING START DATE	1-18-03
DRILLING FINISH TIME	1145
DRILLING FINISH DATE	1-18-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0		
	4/3	1120						Asph.	Asphalt
								GW	very dk brown (10YR, 2/2) sandy gravel, moist very dense (road base) [GW]
					1.3				
							1	CL	very dk grayish-brown (10YR, 3/2) ~~et~~ mw sandy CLAY w/ brick frag's, slight petroleum odor, med.
			1.8-~~2.0'~~ 2.3 mw		0.5 ~~1.5~~ mw	SSS01624			- Becomes dk yellowish-brown (10YR, 4/6)
							2		
									- Becomes gravelly, little or no petr. odor
							3		
								mw	
							4		
	4/3.9	1130 ~~11/2~~			1.5				- Becomes very dk gray (10YR, 3/1)
					0.9				
							5		- ~0.25' lens of fine-coarse sand w/ little clay & gravel to 0.5"
									- Becomes dk yellowish-brown (10YR, 4/4), sandy
							6		
							7		
					16				
	4/3.8	1140					8		- Becomes very dk gray (10YR, 3/1), trace grave
									- Becomes dk yellowish brwn (10YR, 4/4)
							9		
							10		- ~ 0.2' lens of very dk gray (10YR, 3/1) Fine-coarse sandy Clay w/ little gravel
					4.8				

BY Mark Wanek CHECKED BY DLa

DATE 1-18-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
		APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe	SBL0214
SAMPLING METHOD:	SHEET
4' Acetate sleeves	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS: 4" Asphalt

DRILLING	START	FINISH
TIME	1115	1145
DATE	1-18-03	1-18-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	CL	
							11		- Becomes light olive-brown (10YR, 5/3), sandier
					0.3		12		
	4 / 3.8	1143			0.7			CL-SC	Gray (5Y, 5/1) sandy CLAY-clayey SAND moist, med. dense
							13		Black (5Y, 2.5/2) clayey gravel lens ~0.15' at ~14'
							14	SP	Olive-gray (5Y, 4/2) fine SAND, moist, med. dense (SP)
							15	CL	Olive-gray (5Y, 4/2) CLAY w/ little sand and silt, moist, med. stiff
							16		
							17		Boring Completed to ~16.3 on 1-18-03
							18		
							19		
							20		

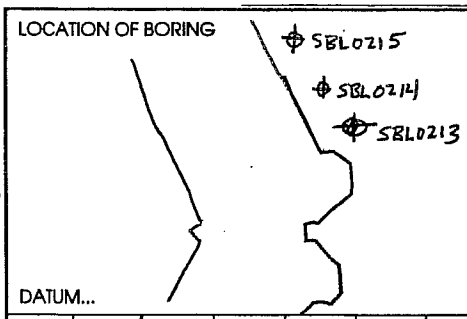
BY Mark Wanek CHECKED BY [illegible]

DATE 1-18-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
	APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe vibratory hammer	SBL0215
SAMPLING METHOD:	SHEET
4' Acetate sleeves	1 OF 2
	DRILLING START TIME / DATE: 1215 / 1-18-03
SURFACE CONDITIONS: 4" (0.3') Asphalt	DRILLING FINISH TIME / DATE: 1255 / 1-18-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0		
	4 / 3.8	1220			0.9			Asph.	Asphalt
								GW	very dk brown (10YR, 2/2) sandy GRAVEL w/ silt (road base) [GW]
							1	CH	very dk brown (10YR, 2/2) CLAY w/ sand and trace gravel
					0.6		2		
									- Becomes gravelly (gravel to 3/4") at ~2.5'
							3		
					0.9				
	4 / 3.8				2.0		4		
								CL	- Becomes dk brown (10YR, 3/3), less cohesive
					1.0		5		- Becomes sandy, brick fragments at ~5.3-5.5
							6		- Becomes yellowish-brown (10YR, 5/4)
							7		
					2.7		8		
	4 / 3.6	1240			0.5				
							9		- Dk grayish-brown (10YR, 4/2) gravelly layer w/ fine-coarse sand from ~8.3-8.5'
							10		

BY Mark Wamek DATE 1-18-03 CHECKED BY DLM

BORING LOG

LOCATION OF BORING

JOB NUMBER

LOCATION: APN 7351-33-17

DRILLING METHOD: Geoprobe vibratory hammer

BORING NUMBER: SBL 0215

SAMPLING METHOD: 4' Acetate sleeves

SHEET: 2 OF 2

DRILLING: START TIME 1215 DATE 1-18-03; FINISH TIME 1255 DATE 01/18/03

SURFACE CONDITIONS: 4" Asphalt

DATUM... ELEVATION

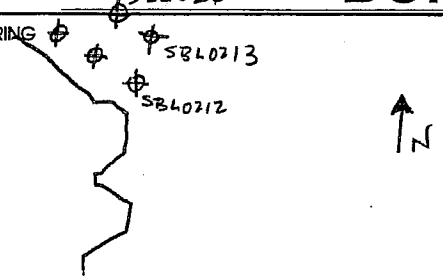
DRILLING CONTRACTOR 6-G-98

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	CL	
							11	SP	Yellowish-brown (10YR, 5/4) very fine SAND w/ trace silt, ~~strong~~ moist, dense, strong organic odor
		1240	11.3-11.8		2.9	S5501625			
							12		
	4 / 3.4	1250			8.3			CL	DK yellowish-brown (10YR, 4/4) CLAY w/ sand, moist, stiff
							13		
								MW ~~SW~~ SP	Light olive (5Y, 6/2) very fine SAND w/ trace silt, damp-moist, dense
							14		
							15		
					11.8			~~CL~~ MW ML	Pale olive (5Y, 6/2) ~~CLAY~~ SILT w/ trace very fine sand, ~~moist~~ MW damp, dense
							16		
									Boring completed to ~ 16.3' on 1-18-03
							17		
							18		
							19		
							20		

BY Mark Valentine DATE 1-18-03 CHECKED BY DCH

DAMES & MOORE

BORING LOG



LOCATION OF BORING

DATUM... ELEVATION

JOB NUMBER	LOCATION
	APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe	SBL0216
SAMPLING METHOD:	SHEET
4" Acetate sleeves	1 OF 2
	DRILLING START TIME: 1345 DATE: 1-18-03
	DRILLING FINISH TIME: 1417 DATE: 1-18-03
SURFACE CONDITIONS: 4" Asphalt	

DRILLING CONTRACTOR Gregg

BY Mark Wenck DATE 1-18-03 CHECKED BY Dem

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 3.8	1348					0	Asphalt	
					0.6			GW	
							1	CL	Very dk grayish brown (10YR, 3/2) CLAY w/ little fine sand & trace gravel, brick fragments, damp, stiff
					0.2				
			18-23			SSS01626	2		
									- Becomes brown (10YR, 4/3) at ~2'
					0.4				- Becomes gravelly at ~2.7-3.0'
							3	SC	Yellowish-brown (10YR, 5/4) clayey SAND w/ some silt, damp, dense
					2.4				
	4 / 3.8	1353			2.1		4	CL	Dk grayish-brown (10YR, 4/2) CLAY w/ sand and little gravel, damp, stiff
							5		- Becomes sandier & gravellier
								SM	Dark yellowish-brown (10YR, 4/4) silty fine SAND
							6		
							7		- little clay at ~7.2'
					0.6				
	4 / 3.8	1400			3.7		8	CL	Dk yellowish brown (10YR, 4/4) CLAY w/ trace sand
					14.2			SM	- 0.2' layer of dk ~~grayish~~ yellowish-brown (10YR, 3/4) well graded sand w/ gravel
					17.7		9		Dk yellowish-brown (10YR, 4/4) silty, fine SAND moist, dense
							0		

BORING LOG

LOCATION OF BORING

JOB NUMBER

LOCATION
APN 7351-33-017

DRILLING METHOD:
Geoprobe

BORING NUMBER
SBL0216

SAMPLING METHOD:
4' Acetate sleeves

SHEET
2 OF 2

DRILLING START TIME: 1345 DATE: 1-18-03
DRILLING FINISH TIME: 1417 DATE: 1-18-03

SURFACE CONDITIONS:
4" Asphalt

DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

BY Mark Wanek DATE 1-18-03 CHECKED BY DCM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							10	SM
							11	
					6.5			
					~~6.5~~ MW 1.1		12	
	4.0 / 3.0	1415			~~3.7~~ MW 1.3			
					~~14.2~~		13	
					6.7			
							14	
							15	SP
					1.1		16	
							17	
							18	
							19	
							20	

Dk yellowish-brown (10YR, 4/4) silty fine SAND, ~~damp~~ moist, dense

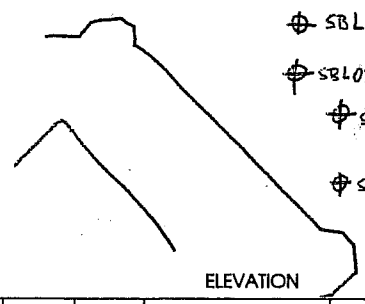
Light yellowish-brown (2.5Y, 6/4) fine SAND

Boring completed ~~at~~ to 16.3'

on 1-18-03

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
	APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe Vibratory Hammer	SBL0217
SAMPLING METHOD:	SHEET
4' Acetate sleeves	1 OF 2

DRILLING CONTRACTOR Gregg

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
~4" Asphalt	1425	1453
	DATE 1-18-03	DATE 1-18-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 3.5	1430					0	Asph.	
								GW	
					1.0		1	CL	Very dk grayish-brown (10YR, 3/2) gravelly CLAY w/ fine-med. sand, wet, soft ↳ Becomes stiff, less gravel at ~1', brick fragments
			1.8-2.3			SSS01627	2		
			2.3-2.8			SSS01628 (Dup)		SC	Olive-brown (2.5Y, 4/4) clayey SAND
					5.5		3		
					1.2		4		
								CL	~~Dk~~ Mv Very dk grayish-brown (10YR, 3/2) mv ~~sc~~ Sandy CLAY w/ gravel, moist, soft
					0.9		5	SC	Light olive-brown (2.5Y, 5/4) clayey SAND w/ silt
							6	SM	Dk yellowish-brown (10YR, 4/4) silty Very fine SAND, organic odor
							7		
					11.5				- Becomes little clay at ~7.8'
	4 / 3.7	1445			7.5 ~~11.5~~ Mv		8		
							9		
									~0.3' lens of Dk brown (10YR, 3/3) poorly graded sand (fine-coarse) w/ trace gravel, wet, dense
					7.3		10		

BY Mark Wanek DATE 1-18-03 CHECKED BY DCM

BORING LOG

LOCATION OF BORING

JOB NUMBER

LOCATION
APN 9351-33-17

DRILLING METHOD:
Geoprobe

BORING NUMBER
SBL0217

SAMPLING METHOD:
4" Acetate sleeves

SHEET
2 OF 2

DRILLING START TIME: 1425 DATE: 1-18-03
DRILLING FINISH TIME: 1453 DATE: 1-18-03

SURFACE CONDITIONS:
4" Asphalt

DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

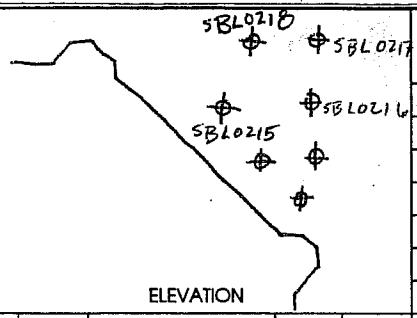
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10		-Becomes olive-brown (2.5 Y, 4/3) at ~10'
							11		-Becomes little clay at ~11'
					6.0				
	4 / 3.8	1450			~~6.~~ 2.5 MW		12		
							13		
								SP	Yellowish-brown (10YR, 5/4) very fine SAND w/ trace silt
					3.8		14		
							15	ML	Light olive-brown (2.5Y, 5/4) sandy SILT, damp, dense
					8.1		16		
									Boring completed on 1-18-03
							7		
							8		
							9		
							0		

BY Mark Schmidt DATE 1-18-03 CHECKED BY Dan

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION

JOB NUMBER	
LOCATION	APN 7351-33-17
DRILLING METHOD:	Geoprobe Vibratory Hammer
BORING NUMBER	SBL0218
SAMPLING METHOD:	4ft Acetate sleeves
SHEET	1 OF 2
SURFACE CONDITIONS:	~4" Asphalt
DRILLING START TIME	1515
DRILLING FINISH TIME	1555
DATE	01/18/03
DATE	1-18-03

DRILLING CONTRACTOR Gregg

BY Mark Wanek

DATE 1-18-03 CHECKED BY DLM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 3.7	1515					0		
					0.7			Asph. GW	very dk grayish brown (
								CL	Very dk gray (2.5Y, 3/1) CLAY
					0.1		1	SC	Brown (10YR, 4/3) clayey SAND
							2	CL	Very dark grayish-brown (10YR, 3/2) CLAY w/ gravel to 1/2" diam.
							3		
					0.1				-Becomes ~~very dk~~ mw olive-brown
	4 / 3.9	1530			0.1		4		-Becomes very dk grayish brown (2.5Y, 3/2)
					0.3				-0.3' lens of ~~gray~~ black (2.5Y, 2.5/1) gravelly sand
							5		
					2.3		6		-Becomes very stiff, dk yellowish brown (10YR, 3/6)
								SC	~~Very dk grayish brown (2.5Y~~ MW Dk w/ yellowish brown (10YR, 3/4) clayey SAND, Moist, very dense
							7		
					13.6		8		
	4 / 3.6	1540			6.0			CL	Very dk brown (10YR, 2/2) sandy CLAY
					3.4		9		
			~~4-9.6~~			~~SSS01629~~		~~SM~~	~~Dk grayish brown (10YR, 4/2) very strong volatile organic odor~~ STET ~~gravelly SAND w/ little~~ MW
									-Becomes dk yellowish-brown (10YR, 4/6)
							10		

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER

LOCATION
APN 7351-33-17

DRILLING METHOD: Geoprobe

BORING NUMBER
SBL0218

SAMPLING METHOD: 4' Acetate sleeve

SHEET
2 OF 2

DRILLING START TIME: 1515 DATE: 1-18-03

DRILLING FINISH TIME: 1555 DATE: 1-18-03

SURFACE CONDITIONS: 4" Asphalt

DATUM... ELEVATION

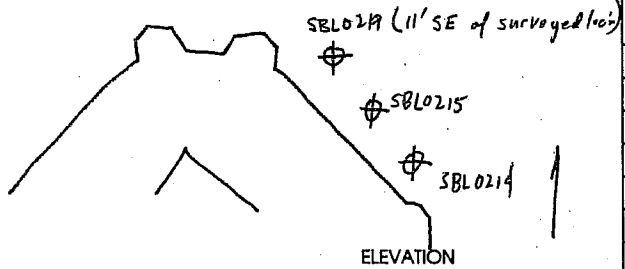
DRILLING CONTRACTOR Gregg

BY Mark Wanek DATE 1-18-03 CHECKED BY DCM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	CL	
							11	SC	Dk yellowish brwn (10YR, 4/4) clayey SAND w/ some silt, damp, dense
					68		12		
	4 / 2.8	1550			433				
							13		
							14	SP	Light olive-brwn (2.5Y, 5/4) SAND w/ trace silt
								SM ML MW	Olive brwn (2.5Y, 4/4) sandy SILT
					700	SSS01629	15	MW	
							16		
							7		Boring completed to ~16.3' on 1-18-03
							8		
							9		
							0		

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION

JOB NUMBER	LOCATION
	APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe	SBL0219
SAMPLING METHOD:	SHEET
4' Acetate	1 OF 2

SURFACE CONDITIONS: ~4" Asphalt

DRILLING START	DRILLING FINISH
TIME 1610	TIME 1635 ~~1710~~ MW
DATE 1-18-03	DATE 1-18-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 3.7	1615					0	Asph	Asphalt
					1.0			CL	Very dk grayish brwn (2.5Y, 3/2) gravelly CLAY, moist, very stiff
					1.5		1		
							2		- Becomes less gravelly at ~2.2'
							3		- cobbles to 1" diam. at ~3'
					1.0		4		
	4 / 3.8	1620			0.3				
							5	SW	Very dk grayish-brown (2.5Y, 3/2) gravelly SAND
					443			CL	
							6	SM	Dk gray (2.5Y, 4/1) silty SAND w/ little Clay, damp-moist, dense, strong volatiles odor
					~~443~~ MW		7		
					555				
	4 / 3.8	1625			361		8	CL	very dk grayish-brwn (2.5Y, 3/2) CLAY
							9	SW	Very dk grayish-brwn (2.5Y, 3/2)
					624			SC	dk olive-brwn (2.5Y, 3/3) clayey sand w/ silt, damp, dense, strong volatiles odor
							10		

BY Mark Wanek

DATE 1-18-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER

LOCATION
APN 7351-33-17

DRILLING METHOD: Geoprobe

BORING NUMBER
SBL0219

SAMPLING METHOD: 4' Acetate sleeves

SHEET 2 OF 2

DRILLING START TIME 1610 DATE 1/18/03

DRILLING FINISH TIME 1635 DATE 01/18/03

SURFACE CONDITIONS: 4" Asphalt

DATUM... ELEVATION

DRILLING CONTRACTOR Geoprobe

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							10	SC
							11	
			11.4-12.0		747	SS501630	12	
	4/3	1630			253			
							13	SP
					634		14	
					712		15	
							16	No Recovery
							7	
							8	
							9	
							0	

- Gravel lens ~0.1' thick
Olive-gray (5Y, 4/2) ~~SANDY~~ fine SAND

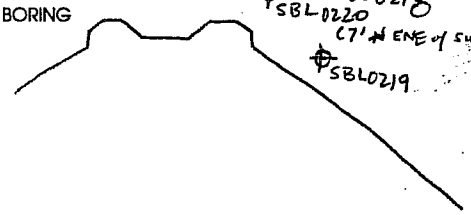
Boring completed to ~16.3' on 1-18-03

BY Mark Wanek DATE 1-18-03 CHECKED BY Dan

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

JOB NUMBER	LOCATION
	APN 7351-33-17
DRILLING METHOD: Geoprobe	BORING NUMBER SBL0220
SAMPLING METHOD: 4' Acetate sleeves	SHEET 1 OF 2
SURFACE CONDITIONS: 4" Asphalt	DRILLING START TIME 1645 DATE 01/18/03; FINISH TIME 1710 DATE 01/18/03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4/3.6	1648					0	Asp.	
								GW	Dk brown (10YR, 3/3) sandy Gravel (roadbase)
							1	CL	Dk yellowish-brown (10YR, 3/6), gravelly CLAY w/ sand, roots, brick fragments
					2.6				
			1.8-2.3			SS501631	2		
					2.5				
							3		- Becomes ~~darker~~ more yellow (10YR, 4/6), sandier, less gravel
					3.1				
	4/3.8	1700 ~~1715~~			MW & 1.2		4		
							5	SW	Dk brown (10YR, 3/3) fine-coarse SAND w/ trace gravel
								CL	Dk yellowish-brown (10YR, 3/6) fine sandy CLAY
									- Brick fragments at ~ 5.3'.
					3.1		6		
									- Coarser sand, darker (to MW (10YR, 3/4) hue
							7		
					6.7		8		
	4/0	1707							Sample liner caught in macrocore tube; no recovery.
							9		
							10		

BY Mark Wanek DATE 1-18-03 CHECKED BY DLM

BORING LOG

LOCATION OF BORING

JOB NUMBER

LOCATION APN 7351-33-17

DRILLING METHOD: Geoprobe

BORING NUMBER SBL0220

SAMPLING METHOD: 4' Acetate sleeves

SHEET 2 OF 2

DRILLING START TIME 1645 DATE 1-18-03

DRILLING FINISH TIME 1710 DATE 1-18-03

SURFACE CONDITIONS: 4" Asphalt

DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

BY Mark Wunek DATE 1-18-03 CHECKED BY DLM

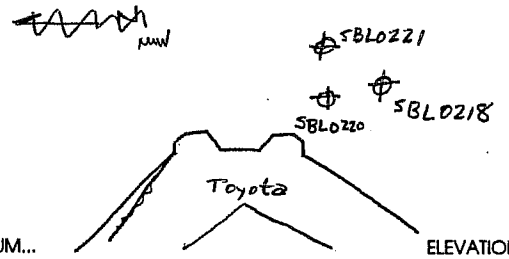
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							10	
							11	
							12	

Boring terminated at ~12.3' on 1-18-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
	APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe vibratory hammer	SBL0221
SAMPLING METHOD:	SHEET
4' Acetate sleeves	1 OF 2
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME: 0850 / TIME
~4" Asphalt	DATE: 1-19-03 / DATE

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 3.5	0800					0	Asph.	
					0.4			GW	Very dk grayish-brown ~~silty~~ sandy GRAVEL w/ silt
							1	CL	Very dk grayish-brown CLAY w/ sand & trace gravel, moist, mod. stiff
									-Becomes sandier, dk yellowish brown (10YR, 3/6)
					0.2		2		(10YR, 2/2)
									-Becomes very dk brown, cobbles to ~2½"
									-Becomes ~~very~~ dk yellowish-brown (10YR, 3/4)
					0.1		3		
	4 / 3.8	0803					4		
							5		- ~0.1' lens of very dk brown (10YR, 2/2) ~~gravel~~ gravelly sand
									- Becomes dk olive gray (10YR, 5Y, 3/2)
							6		
			6.0-7		4.1	SSS01632		ML	Olive (5Y, 4/3) Sandy silt w/ little clay, moist, dense, moderate diesel odor
							7		
					4.2				
	4 / 3.8	0805			5.2		8	SW	Very dk grayish-brown (~2.5Y, 3/2) gravelly fine-coarse SAND w/ little clay and some silt moist, dense
								ML	Gray (5Y, 3/1) clayey SILT w/ trace fine SAND, moist, dense, mod. diesel odor
							9		
									- Becomes sandy silt
							10		
					6.4				

BY Mark Wanek DATE 1-19-03 CHECKED BY Dean

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
		APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe	SBL0221
SAMPLING METHOD:	SHEET
4' Acetate sleeves	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START	DRILLING FINISH
	TIME 0755	TIME 0815
~4" Asphalt	DATE 1-19-03	DATE 1-19-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10		
							11	SP	olive brown (2.5Y, 4/3) fine SAND, light volatiles odor
					32.3		12		
					9.3			CL	~~olive gray clay w/ gravel, damp, stiff~~
	4 / 2.7	0801					13	SP	Light olive brown fine SAND, damp, med. dense
					19.4		14		
							15		
					26.0		16		
							7		Boring completed to ~16.3' on 1-19-03
							8		
							9		
							0		

DRILLING CONTRACTOR Gregg

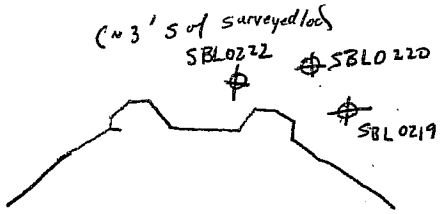
BY Mark Wunek CHECKED BY DLM

DATE 1-19-03

PAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
	APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe	SBL0222
SAMPLING METHOD:	SHEET
4' Acetate sleeves	1 OF 2
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME: 0830 / 0855
4" Asphalt	DATE: 1-19-03 / 1-19-03

DRILLING CONTRACTOR Gregg

BY Matthew Williams CHECKED BY PLM DATE 1-19-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4/3.7	0835					0	Asph.	
					0.3			GW	very dk grayish-brown (10YR, 3/2) gravelly SAND
							1	CL	very dk grayish-brown (10YR, 3/2) CLAY w/ gravel and fine-coarse sand, damp, stiff
					1.7				- Becomes dk yellowish-brown (10YR, 4/4)
							2		
									- Becomes less sandy, very dk gray brick frag's
							3		
					1.0				
	4/3.7	0838			55.8		4		- Becomes very dk brown (10YR, 2/2), moderate volatiles odor
							5		
					309				- Brick pieces
							6		
								SM	Olive-gray silty very f. SAND, ~~wet~~ moist, dense, very strong volatiles odor
							7		
							8		
					487				
	4/3.8	0840			6.0		9	CL	Very dk grayish brown (2.5Y, 3/2) CLAY w/ little f. sand, moist, stiff
								SW	Very dk grayish-brown ~~(2.5Y, 3/2)~~ (2.5Y, 3/2) gravelly sand w/ silt
							10	ML	Black + dk greenish-gray SILT w/ ~~trace~~ very f. Sand, damp, Med. dense, strong odor
					383				Very heavily stained

BORING LOG

LOCATION OF BORING

JOB NUMBER

LOCATION: APN 7351-33-17

DRILLING METHOD: Geoprobe

BORING NUMBER: SBL0222

SAMPLING METHOD: 4' Acetate sleeves

SHEET: 2 OF 2

DRILLING: START TIME 0830 DATE 1-19-03; FINISH TIME 0850 DATE 1-19-03

SURFACE CONDITIONS: 4" Asphalt

DATUM... ELEVATION

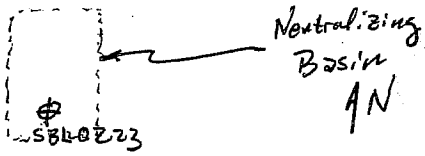
DRILLING CONTRACTOR Gregg

BY Mark Wanek DATE 1-19-03 CHECKED BY Dim

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	ML	
							11		
			11.3-12.2		460	SS501633 ~~SS501632~~			
					4mw		12		
	4/2.5	0850			440			GW	greenish-black (GLEY1, 2.5/1) sandy GRAVEL Strong odor, heavily stained
							13	SP	Black (GLEY1, 2.5/N) fine SAND w/ trace silt, ~~dry~~ damp, ~~dense~~ med. dense, strong odors, heavily stained
							14		
					255				
							15	ML	Black (GLEY1, 2.5/N) SILT w/ very fine sand, ~~stream~~ damp, dense, strong odors, very heavily stained
							16		
									Boring completed @ ~ 16.3' on 1-18-03
							7		
							8		
							9		
							0		

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION Neutralizing Basin APN 7351-33-17
DRILLING METHOD: Geoprobe	BORING NUMBER SBL0223
SAMPLING METHOD: 4' Acetate sleeves	SHEET 1 OF 2
SURFACE CONDITIONS: 4" Asphalt	DRILLING START TIME 0928 DATE 1-17-03; FINISH TIME 0940 DATE 1-17-03

DRILLING CONTRACTOR Gregg

BY Mark Wenek CHECKED BY Dim

DATE 1-17-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 2.3	0930					0	Asph	Asphalt
					0.4			GC	Dk brown clayey GRAVEL w/ sand
							1	CL	Very dk brown (10YR, 3/2) CLAY w/ fine sand, moist, low stiff
									- Brick frag's at ~1.3'
							2		- Becomes dk yellowish brown (10YR, 3/4)
					0.1				- Becomes sandy
							3		
							4		
	4 / 3.8	0933			0.3				- Becomes very dk brown (10YR, 3/2), trace silt & no sand,
							5		
					1.7		6		
							7		- Becomes sandy, cobbles to ~2" diam.
					33.1			GW	Very dk grayish brown sandy GRAVEL w/ little clay
	4 / 0.6	0935			85.9		8	MW	
							9		
							10		

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION Neutralizing Basin APN 7351-33-17
	DRILLING METHOD: Geoprobe	BORING NUMBER SBL0223
	SAMPLING METHOD: 4' Acetate sleeves	SHEET 2 OF 2
DATUM... ELEVATION	SURFACE CONDITIONS: 4" Asphalt	DRILLING START TIME 0928 DATE 1-19-03; FINISH TIME 0940 DATE 1-19-03

DRILLING CONTRACTOR Gregg

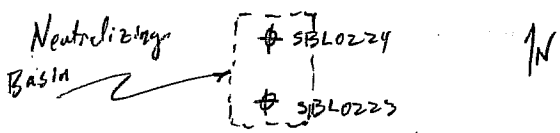
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10		
							11		Olive-gray (5Y, 4/2) fine SAND, ~~moderate odor~~ MW damp, dense
	4 / 2.7	0940			96.1		12	SP	
									Moderate odors
			13.8-14.5		105	SSS01634	13		
					39.1		14		
							15	ML	Olive-gray (5Y, 5/2) SILT w/ little very fine sand, damp, dense, moderate volatile odors
							16		
									Boring completed to ~16.2' on 1-19-03
							7		
							8		
							9		
							0		

BY Mark Wanek DATE 1-19-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER

LOCATION Neutralizing Basin APN-7351-33-17

DRILLING METHOD: Geoprobe

BORING NUMBER SBL0224

SAMPLING METHOD: 4' Acetate sleeves

SHEET 1 OF 2

SURFACE CONDITIONS: 4" Asphalt

DRILLING

START	FINISH
TIME 1000	TIME 1015
DATE 1-19-03	DATE 1-19-03

DRILLING CONTRACTOR

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 3.6	1000					0		
					0.7			Asph	
								GW	Very dk grayish brown sandy GRAVEL
							1	CL	Very dk gray sandy CLAY, moist, stiff med
					0.4		2		- Becomes dk yellowish brown (10YR, 3/4) w/ cobbles to 1½" diam
							3		- Becomes very dk grayish brown (2.5Y, 3/2), silty
					0.3				
	4 / 3.9	1005			0.2		4		- Becomes dk brown, sandy w/ some pea gravel
							5		
							6		- Becomes ~~no gravel~~, dk yellowish-brown (10YR, 3/4), no gravel
					0.5		7		
						SSS01635			- moderate odors
					1.0		8		
	4 / 3.8	1008			1.0				
							9	SM	Dk yellowish-brown (10YR, 3/4) silty very fine SAND, moist, dense, light odor
							10		

BY Mark Wanek DATE 1-15-03 CHECKED BY [signature]

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION Neutralizing Basin APN 7351-33-17
	DRILLING METHOD: Geoprobe	BORING NUMBER SBL0229
	SAMPLING METHOD: 4' Acetate sleeves	SHEET 2 OF 2
DATUM... ELEVATION		DRILLING START TIME 1000 ~~1410~~ DATE 1-19-03 / FINISH TIME 1015 DATE 1-19-03
	SURFACE CONDITIONS: 4' Asphalt	

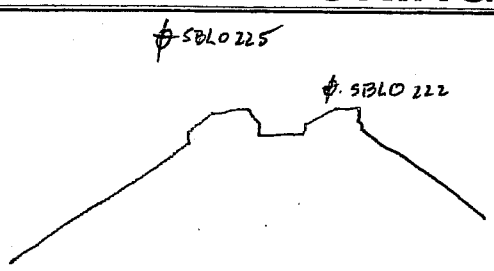
DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					2.1		10	SM	DK yellowish-brown (10YR, 3/4) silty very fine SAND, moist, dense, light odor
							11		
					2.1		12		
	4/2.0	1013			2.7				
							13	SP	Olive-gray (5Y, 4/2) fine SAND, damp-moist, dense
					2.9		14		- Becomes very fine sand
							15		
							16		
							7		
							8		
							9		
							0		

BY Mark Wanele CHECKED BY DLM
DATE 1-19-03

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
	APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe	SBLO225
SAMPLING METHOD:	SHEET
4' Acetate sleeves	1 OF 2
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME: 1032 / 1052
4" Asphalt	DATE: 1-19-02 / 1-19-02

DRILLING CONTRACTOR Gregg

BY Mark Wanek CHECKED BY Dem

DATE 1-19-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	Aspl.	Asphalt
	4/2.8	1035						GW-SW, CL	Very dk gray (5Y, 3/1) gravelly SAND Very dk gray (5Y, 3/1) CLAY w/ sand, moist,
					0.4		1		
									- Becomes dk yellowish brown (10YR, 3/6) increased sand
					0.2		2		
							3		- Becomes dk gray Black (10YR, 2/1), decrease sand, brick fragments and trace gravel, slight petroleum odor
					6.7		4		
	4/3.8	1038			0.7				
							5		
					224	SS501636	6		
							7		
								SM	Dk yellowish brown silty fine SAND damp, med. dense
					6.1		8		
	4/3.8	1040			8.7				
							9		
					55.7		10		

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION ~~C~~ APN 7351-33-17
	DRILLING METHOD: Geoprobe	BORING NUMBER SB10225
	SAMPLING METHOD: 4' Acetate sleeves	SHEET 2 OF 2
DATUM... ELEVATION		DRILLING START TIME 1032 DATE 1-19-02 / FINISH TIME 1052 DATE 1-19-02
	SURFACE CONDITIONS: 4" Asphalt	

DRILLING CONTRACTOR Geoprobe

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
								Sal	
							10		
							11		
					18.5				
								SP	↳ ~~Becomes~~ Dark Olive-brown (2.5Y, 3/2) fine SAND, damp, dense
	4 / 2.4	1050			46.3		12		
							13		
							14		
					20.3				
							15		
							16		
									Boring completed to ~16.3' on 1-19-03
							7		
							8		
							9		
							0		

BY Mark Wanek CHECKED BY DLM

DATE 1-19-03

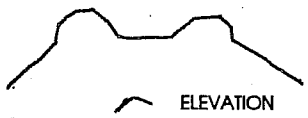
DAMES & MOORE

BORING LOG

LOCATION OF BORING

⊕ SBL0225

⊕ SBL0226 (~5' N of surveyed loc'n)



DATUM... ELEVATION

JOB NUMBER	LOCATION
	APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe	SBL0226
SAMPLING METHOD:	SHEET
4' Acetate sleeves	1 OF 2

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
4" Asphalt	1110	1130
	DRILLING START DATE	DRILLING FINISH DATE
	1-19-03	1-19-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	Asph.	
	4 / 3.8	1112			0.4			GW	
							1	CL	Very dk grayish-brown (10 YR, 3/2) sandy CLAY w/ gravel, moist, stiff
									- Brick fragments
							2		
					0.5				- Becomes dk brown (10 YR, 3/3)
							3		
									- Becomes dk olive brown (5Y, 3/2)
					3.4		4	SW	
	4 / 3.9	1115			4.9		5	CL	Very dk grayish-brown (2.5Y, 3/2) gravelly SAND, w/ silt, brick fragments, damp, dense
								SM	Dk olive-gray (~~2.5~~ 5Y, 3/2) silty very fine SAND, ~~sl~~ moist, med dense, strong volatiles odor
					7.3		6		
							7		- Becomes fine sand
					25.8				
	4				91.3		8		
							9		
							10		
					431				

BY Mark Vanek CHECKED BY Drury

DATE 1-19-03

BORING LOG

LOCATION OF BORING

JOB NUMBER

LOCATION: APN 7351-33-17

DRILLING METHOD: Geoprobe

BORING NUMBER: SBL0226

SAMPLING METHOD: 4' Acetate Sleeves

SHEET: 2 OF 2

DRILLING: START TIME 1110 DATE 1-19-03; FINISH TIME 1130 DATE 1-19-03

SURFACE CONDITIONS: 4" Asphalt

DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

BY Mark Wenske DATE 1-19-03 CHECKED BY PLM

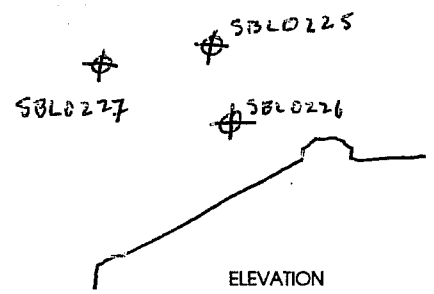
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							10	SM
							11	SP
					686		12	
	4 / 2.5	1122 #25			609		13	
							14	
			14.2-14.8		1686	SSS01637	15	
							16	
							7	
							8	
							9	
							0	

Olive-gray (5Y, 4/2) fine SAND, damp, med. dense, ~~str~~ very strong volatile odor

Boring completed to ~16.3' on 1-19-03

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
	APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe	SBL0227
SAMPLING METHOD:	SHEET
4' Acetate Sleeves	1 OF 2
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME: 1245 / 1303
~4" Asphalt	DATE: 1-19-03 / 1-19-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / ~~3.0~~ 3.0	1248					0	Asph.	
					8.4			GW	very dark grayish-brown (~~10YR~~ 2.5Y, 3/2)
								CL	
							1		Very dark grayish-brown (~~10YR~~ 2.5Y, 3/2) Sandy CLAY w/ gravel
					0.7				Becomes dk yellowish-brown (10YR, 4/4), sandier, decreased gravel
					~~0.~~		2		
					0.6		3		
	4 / 3.8	1254 ~~1410~~			0.9		4	GW	very dark grayish brown (2.5Y, 3/2) Sandy gravel
								CL	
							5		DK brown ~~Sa~~ CLAY w/ sand
					1.6				
							6		
							7		-Becomes olive (.5Y, 4/4), ~~gr~~ w/ some gravel
			7.5-8.1		46.5	SSS01638			
	4 / 3.7	1257			1.01		8		
								SM	DK yellowish-brown silty, fine SAND w/ trace gravel
							9		
					18.1		10		

BY Mark Wanek CHECKED BY DCM

DATE 1-19-03

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
		APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe	SBL0227
SAMPLING METHOD:	SHEET 2 OF 2
4' Acetate sleeves	DRILLING START TIME 1245 DATE 1-19-03 / FINISH TIME 1303 DATE 1-19-03
SURFACE CONDITIONS: 4" ~~Acetate Sleeves~~ MW Asphalt	

DATUM... ELEVATION

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	
							11		
					8.3				- Becomes olive (5Y, 4/4)
	4/24	1301			10.1		12		
							13	SP	olive-brown (2.5Y, 4/4) fine SAND w/ trace silt
							14		
							15		
							16		
									Boring completed to ~16.3' on 1-19-03
							7		
							8		
							9		
							0		

DRILLING CONTRACTOR Greg

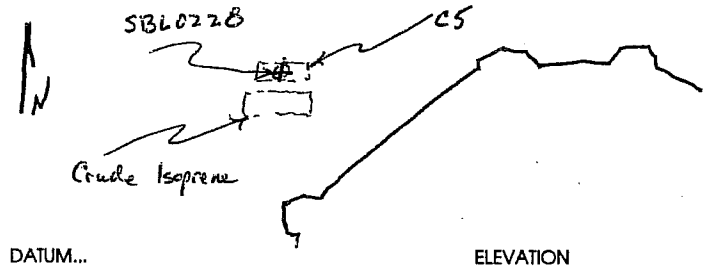
BY Mark Wenck

DATE 1-19-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
	C5 Tank, APN 7351-37-47

DRILLING METHOD:	BORING NUMBER
Geoprobe	SBL0228
SAMPLING METHOD:	SHEET 1 OF 2
4' Acetate Sleeves	DRILLING START TIME 1330 DATE 1-19-03 / FINISH TIME 1345 DATE 1-19-03
SURFACE CONDITIONS: 4" Asphalt	

DRILLING CONTRACTOR Gregg

BY Mark Wanek DATE 1-19-03 CHECKED BY PLM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 3.7	1330					0	Asphalt	
								SW	
							1	CL	~~Dk~~ very dk grayish-brown sandy CLAY w/ little gravel
					7.6				
							2		-Becomes olive (2.5Y, 4/3)
							3		
	4 / 3.8	1334			0.3		4		
							5		
							6		
							7		
							8	SM	(10YR, 3/4) Dk yellowish brown, silty f. Sand
	4 / 2.4	1336	8.3-9.0		0.3	SSS01640 39			
		1346				(Dup) SSS01640	9		-Becomes olive (5Y, 4/4)
							10	SP	-~~Becomes~~ light olive-brown (2.5Y, 5/6) fine SAND w/ trace silt

BORING LOG

LOCATION OF BORING

JOB NUMBER

LOCATION: C5 Tank, APN 7351-33-17

DRILLING METHOD: Geoprobe

BORING NUMBER: SBL0228

SAMPLING METHOD: 4' Acetate sleeves

SHEET: 2 OF 2

DRILLING START TIME / FINISH TIME

SURFACE CONDITIONS: 4" Asphalt

DRILLING START DATE: 1-19-03 / FINISH DATE: 1-19-03

DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

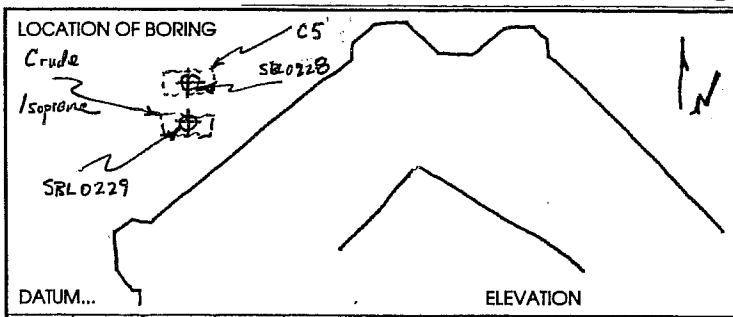
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SP	Light olive-brown (2.5Y, 5/6) fine SAND w/ trace silt
	3.5 / 3.5	1340			27.8		11		
							12		
							13		
					2.3		14		
	2.0 / 2.0	1342			26.3	~~26.3~~ MW			
							15		Boring completed to ~15' on 1-19-03
							6		
							7		
							8		
							9		
							0		

BY Mark Wolcott DATE 1-19-03 CHECKED BY DKM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION Crude Isoprene APN 7351-33-17
DRILLING METHOD: Geoprobe	BORING NUMBER SBL0229
SAMPLING METHOD: 4' Acetate Sleeves	SHEET 1 OF 2
SURFACE CONDITIONS: 4" Asphalt	DRILLING START TIME 1400 DATE 1-14-03; FINISH TIME 1415 DATE 1-14-03

DRILLING CONTRACTOR Gregg Drilling

BY Mark Wanek DATE 1-15-03 CHECKED BY DLM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 3.8	1402					0	Aspht.	Asphalt
					0.9			SW	Very dk grayish brown (2.5 YR, 3/2) gravelly, sandy
								CL	
							1		Very Dk brown (10 YR, 2/2) CLAY w/ fine sand and gravel
									- Brick fragments
							2		
					0.2				
							3		
					0.1 / 0.9				
	4 / 3.8	1405					4		- Becomes sandy, olive-brown (2.5 Y, 4/4)
					0.2				
							5		
					1.5				
							6		- Becomes very dk grayish brown, trace gravel
									- no apparent gravel
							7		
					21.0				
	4 / 3.7	1408					8	SW	Very dk grayish brown (2.5 Y, 3/2) gravelly fine-coarse SAND
					5.1			SM	Dk olive-brown silty fine SAND, damp, dense
							9		
									- Becomes dk yellowish brown
					26.3		10		

BORING LOG

LOCATION OF BORING

DATUM... ELEVATION

JOB NUMBER

LOCATION Crude Isoprene APN 735-33-17

DRILLING METHOD: Geoprobe vibratory hammer

BORING NUMBER SBL0229

SAMPLING METHOD: 4' Acetate Sleeves

SHEET 2 OF 2

DRILLING: START TIME 1402 DATE 1-19-03; FINISH TIME 1415 DATE 1-19-03

SURFACE CONDITIONS: 4" Asphalt

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							10	SM
					26.3			
							11	
					24.6			
							12	SP
					103			
	4 / 2.0	1412	12.3-13.2			SS01641	13	
					46.0		14	
							15	
							16	
							7	
							8	
							9	
							0	

Light olive-brown (2.5Y, 5/6) fine SAND, damp-moist, med. dense

Boring completed to ~ 16.2' on 1-19-03

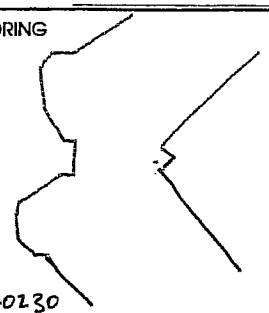
BY Mark Wlanek DATE 1-19-03 CHECKED BY PCM

DAMES & MOORE

SBL0229

BORING LOG

LOCATION OF BORING



DATUM... SBL0230 ELEVATION

JOB NUMBER	LOCATION
	Slop Oil, APN 7351-33-17
DRILLING METHOD: Geoprobe	BORING NUMBER SBL0230
SAMPLING METHOD: 4" Acetate Sleeves	SHEET 1 OF 2
	DRILLING START TIME 1510 DATE 1-19-03 / FINISH TIME 1535 DATE 1-19-03
SURFACE CONDITIONS: 4" Asphalt	

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 3.5	1511					0	Asph.	
					0.9 2.4 MW			CL	very dk grayish-brown (2.5Y, 3/2) ~~gr~~ sandy clay w/ little gravel, damp, stiff
							1		
									- Becomes dk olive brown, sandy cobbles to 2" diam.
					1.7		2		
								SM	olive-gray (5Y, 4/2) silty fine SAND w/ gravel, moist, dense
					10		3		
							4		
	4 / 3.8	1515			2.4				
							5	CL	very dark gray (5Y, 3/1) and olive (5Y, 4/3) CLAY w/ little sand & trace gravel, moist, stiff
					1.5		6		
							7		
			7.5 8.0		23.1	SSS 01642	8	No Recovery	
	4 / 1.0	1530							
					3.3		9	SM	Olive brown (2.5Y, 4/4) silty f. SAND moist, dense.
							10		

BY Mark Wanek DATE 1-19-03 CHECKED BY DLM

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
		Slop Oil, APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe	SBL0230
SAMPLING METHOD:	SHEET
4' Acetate Sleeves	2 OF 2

DATUM... ELEVATION

DRILLING	START	FINISH
TIME		
DATE		1/14/03

SURFACE CONDITIONS:

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	
							11		
	4 / 2.7	1532							
							12	SP	Light olive-brown (2.5Y, 5/4) fine SAND, damp, ~~d~~ mw med. dense
							13		
							14		
					16.5		15		
							16		
							7		Boring completed to ~16.3' on 1-19-03
							8		
							9		
							0		

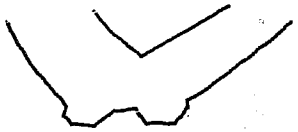
BY Mark Wanek CHECKED BY DLM

DATE 1-19-03

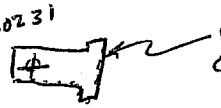
DAMES & MOORE

BORING LOG

LOCATION OF BORING



SBL0231



DATUM... ELEVATION

JOB NUMBER

LOCATION Cooling Tower #3 APN 7351-33-17

DRILLING METHOD: Geoprobe

BORING NUMBER SBL0231

SAMPLING METHOD: 4' Acetate Sleeves

SHEET 1 OF 1

SURFACE CONDITIONS: 4" Asphalt

DRILLING START TIME 1545 DATE 1-19-03

DRILLING FINISH TIME 1555 DATE 1-19-03

DRILLING CONTRACTOR Gregg

BY Mark Wanek DATE 1-19-03 CHECKED BY DCM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 3.7	1535 ~~1545~~ MW					0	Asph	
								SW	Very dk grayish-brown (2.5YR, 3/2) gravelly Sand
					0.1			CL	Very dk brown (10YR, 2/2) Sandy clay w/ gravel, moist, dense
							1		
									- Becomes, dk yellowish-brown (10YR, 3/4) little sand, trace gravel
							2		
							3		
					0.1				
	4 / 3.8	1540 ~~1550~~ MW					4	SW	Very dk grayish-brown (~~10YR~~ 2.5, 3/2) gravelly SAND w/ silt, moist, very dense
								CL	dk yellowish-brown (10YR, 3/4) sandy CLAY w/ gravel damp, stiff
							5	SM	Light olive brown (2.5Y, 5/4) silty very fine SAND w/ trace gravel, moist, med dense
					0.1	SSS01643			
		"1550"				(Dup) SSS01644	6		
							7		
							8		
									Boring completed to ~ 8.3' on 1-19-03
							9		
							0		

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION Cooling Tower #3 APN 7351-33-17
	DRILLING METHOD: Geoprobe	BORING NUMBER SBL0232
	SAMPLING METHOD: 4' Acetate sleeves	SHEET 1 OF 1
DATUM... ELEVATION	SURFACE CONDITIONS: 4" Asphalt	DRILLING START TIME 1558 DATE 01/19/03; FINISH TIME DATE 01/19/03

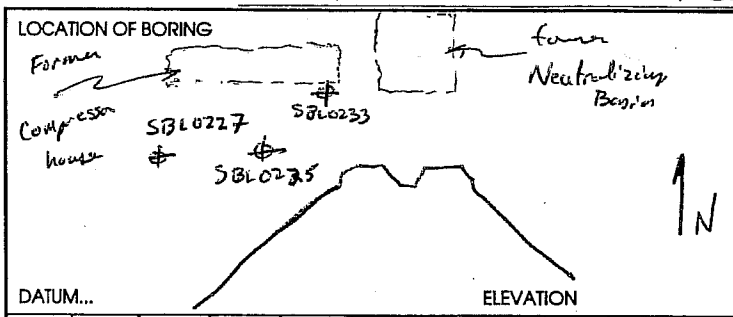
DRILLING CONTRACTOR Geogg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 3.0	1558					0	Asph.	
								GW	Very dk grayish-brown (2.5Y, 3/2) sandy GRAVEL damp, med. dense (10YR, 3/4)
							1	CL	Dk yellowish-brown, sandy CLAY w/ gravel
					0.1				
									- Becomes lighter (10YR, 4/6), dense
							2		
									- Brick fragments
							3		
							4		
	4 / 2.7	1600							
									- Becomes very dk brown (10YR, 2/2)
					0.1	SSS01645	5		
							6		- Becomes less sandy, w/ silt
					0.1		7		
							8		
									Boring completed to ~8.3' on ~~1-19-03~~ MW 1-19-03
							9		
							0		

BY Mark Wanet DATE 1-19-03 CHECKED BY DLM

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe	SBL0233
SAMPLING METHOD:	SHEET
4' Acetate sleeves, continuous cor	1 OF 2
SURFACE CONDITIONS:	DRILLING START TIME 0810 DATE 1-25-03 / FINISH TIME 0830 DATE 1-25-03
0.3' Asphalt	

DRILLING CONTRACTOR Gregg

BY Mark Unruh DATE 1-25-03 CHECKED BY DCM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 3.8	0811					0	Asph	
					0.6			GW	Very dk brown (10 YR, 2/2) sandy GRAVEL, loose, damp
							1	CL	Dk yellowish-brown (10YR, 3/6 + 4/6) CLAY w/ trace fine sand and gravel, stiff
									- Becomes very dk brown
					0.1		2		
							3		
					1.1				-cobbles to 0.15'
	4 / 3.8	0814			0.1		4		- Becomes olive gray (5Y, 4/2), moderate volatile odor, staining
							5		- Becomes silty w/ NO gravel
					2.4	SSS01641	6		- Becomes olive-brown (2.5Y, 4/4), ~~decreased~~ silty, decreased staining
							7		
					6.6				- Becomes olive (5Y, 4/3), very stiff slight odor, slight ~~staining~~ to mod. staining
	4 / 3.8	0819			0.1		8	Hydrocarbon ML	Olive (5Y, 4/3) SILT w/ some very fine sand, mod. odor, staining; damp, dense
							9		
							10	SM	Olive (5Y, 4/3) silty very fine SAND light odor/staining, damp, mod. dense

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe, vibratory hammer	SBL0233

SAMPLING METHOD:	SHEET
~~4~~ 4' Acetate Sleeves, Continuous core	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.3' Asphalt	0810	0830
	DATE 1-25-03	DATE 1-25-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	Olive (5Y, 4/3) silty very fine ~~Dk yellowish brown (10YR, 4/6) silty fine~~ MW SAND, dense, damp, ~~moderate~~ light MW odor, little ~~no~~ MW ~~no~~ MW apparent staining
					0.8				
							11		
					8.6		12		
	4 / 1.8	0826			0.2				
									- Becomes some clay
							13		
					8.1		14	SP	Olive-gray (5Y, 5/2) fine SAND w/ trace silt, damp, med. dense, light odor and staining
							15		
							16		
									Boring completed at ~16.3' on 1-25-03
							7		
							8		
							9		
							0		

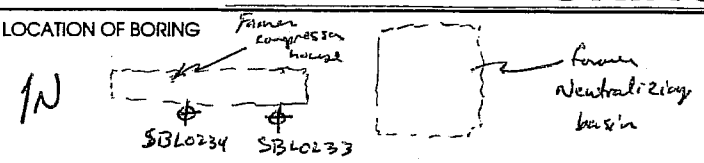
BY Mark Wancke CHECKED BY DCM

DATE 1-25-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.010000	APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe, vibratory hammer	SBL0234
SAMPLING METHOD:	SHEET
4' Acetate sleeves	1 OF 2
	DRILLING START TIME 0854 DATE 1-25-03 / FINISH TIME 0907 DATE 1-25-03
SURFACE CONDITIONS:	
~0.3' Asphalt	

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 3.8	0856					0	Asph.	Asphalt
					0.5			SW	Black (10YR, 2.5/1) gravelly SAND w/ silt, brick pieces, Med. dense, damp
							1	CL	Dk brown (10YR, 3/3) CLAY w/ trace gravel, stiff, moist
					0.1		2		
									- Becomes olive-brown (2.5Y, 4/3) w/ increased gravel & some very pale brown (10YR, 8/2) cobbles to ~0.15' diam.
					0.1		3		
	4 / 0.6	0858			50.0		4		- Becomes silty
							5		
							6		
							7	ML	Olive-brown (2.5Y, 4/3) clayey silt w/ little gravel & some fine sand, moist, dense
							8		
	4 / 3.8	0901						SW	Very dk grayish-brown (2.5Y, 3/2) gravelly sand w/ cobbles
							9	SM	Dk yellowish brown (10YR, 4/6) silty fine SAND, dense, damp, med. color, little or no staining apparent
							10		

BY Mark Wanek DATE 1-25-03 CHECKED BY DCM

BORING LOG

LOCATION OF BORING

JOB NUMBER: 289063i8.01000

LOCATION: APN 7351-33-17

DRILLING METHOD: Geoprobe, vibratory hammer

BORING NUMBER: STBL0234

SAMPLING METHOD: 4' Acetate sleeves

SHEET: 2 OF 2

DRILLING CONTRACTOR: Gregg

DATUM... ELEVATION

SURFACE CONDITIONS: 0.3' Asphalt

DRILLING START TIME: 0854 DATE: 1-25-03

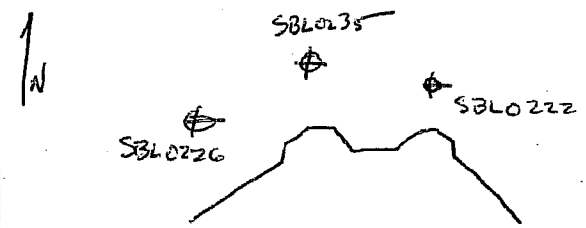
DRILLING FINISH TIME: 0907 DATE: 1-25-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	
							11		- slightly increased staining, increased odors
		0911				SSS01642			
		"0910"			131	SSS01643 (Dup)			
	4 / 1.9	0906					12	SP	Olive-brown (2.5Y, 4/4) fine SAND w/ trace silt, moderate odor & staining, damp, med. dense
					7.7		13		
					62.01		14		
							15		
							16		
									Boring completed to ~16.3' on 1-25-03
							7		
							8		
							9		
							0		

BY: Mark Wanek DATE: 1-25-03 CHECKED BY: DCM

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe, vibrating hammer	SBL0235
SAMPLING METHOD:	SHEET
4' Acetate sleeves, continuous core	1 OF 2

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
~0.3' Asphalt	0928	0935
	DATE 1-25-03	DATE 1-25-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4/3.8	0928					0	Asph.	Asphalt
					0.7			SW	Dk olive-brown (2.5Y, 3/3) gravelly SAND, cobble & brick pieces, damp, dense
							1	CL	Very dk grayish-brown (2.5Y, 3/2) CLAY w/ trace gravel, damp, stiff
					0.1		2		
							3		- Becomes light olive brown (2.5Y, 5/3) sandy
					0.1		4		
	4/3.8	0930			0.1				- Decreased sand,
							5	SW	Very dk grayish-brown (2.5Y, 3/2) gravelly SAND,
					~~0.1~~ MW			CL	Olive-brown (2.5Y, 4/3) CLAY w/ sand and trace gravel, light odor & staining, damp, med. stiff
					~~0.~~ ~~3.0~~ 3.0 MW		6		
							7		
					20.2			SW	Very dk grayish brown (2.5Y, 3/2) & olive (5Y, 4/3) fine-coarse SAND w/ trace gravel ~~light~~ moderate odor & staining, moist, dense
	4/3.~~8~~5	0931			8.9		8	SM	Dk yellowish-brown (10YR, 4/4) silty fine SAND w/ trace med. sand moderate-strong odor, moist, dense
							9		
							10		

BY Mark Wanek CHECKED BY DLM

DATE 1-25-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe, vibrating hammer	SBL0235

SAMPLING METHOD:	SHEET
4' Acetate sleeves, continuous core	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
~0.3' Asphalt	0925	0935
	DATE 1-25-03	DATE 1-25-03

DRILLING CONTRACTOR Gregg

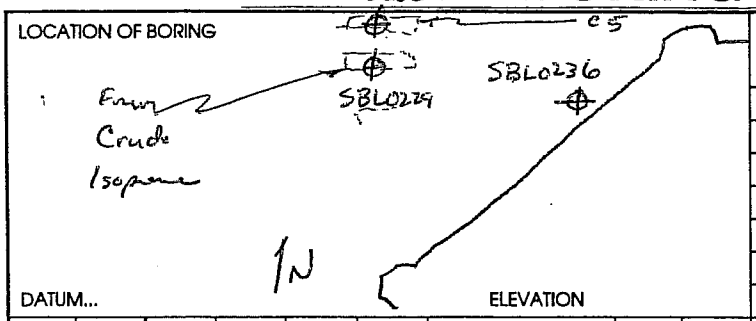
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	Olive-gray (5Y, 5/2) silty very fine SAND, heavy staining, strong odor, damp, dense
							11	SP	Olive-gray (5Y, 4/2) fine SAND, strong odor, moderate-heavy staining, damp-moist, med. dense
					596		12		
		0933			1.7				
							13	SM	~~Becomes~~ mw DK yellowish-brown (10YR, 4/6) silty fine sand, little staining, damp, dense
								SP	→ ~~Bt~~ mw DK olive-gray (5Y, 3/2) fine SAND heavily stained, strong odor, damp, med. dense
							14		
					649				-Becomes black (5Y, 2.5/1) very heavily stained, strong odor
					467	SSS01644	15		
							16		
							7		Boring completed to ~16.3' on 1-25-03
							8		
							9		
							0		

BY Mark Wanek DATE 1-25-03 CHECKED BY DCM

BORING LOG

SBL0228

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
289063 18.01000	APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe, vibratory hammer	SBL0236
SAMPLING METHOD:	SHEET
4' Acetate sleeves, continuous core	1 OF 2
SURFACE CONDITIONS:	DRILLING START TIME 0955 / DATE 1-25-03; DRILLING FINISH TIME 1034 / DATE 1-25-03
0.3' Asphalt	

DRILLING CONTRACTOR Gregg

BY Mark Wanek CHECKED BY Dan

DATE 1-25-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 3.8	0956					0	Asph.	Asphalt
					0.3			SM	Very dk grayish brown (2.5Y, 3/2) Silty fine-coarse SAND w/ gravel, moist, dense MW
							1	CL	Brown (10YR, 4/3) CLAY w/ med sand & trace gravel, moist, stiff
							2		
					6.6				
							3		ov MW
									- Becomes dk olive-brown, increased gravel, brick pieces
					0.1		4		
	4 / 3.8	1027			4.7				~~Becomes~~ MW
							5		
							6		
					0.8				
							7		- Becomes light olive brown (2.5Y, 5/6), sandy,
					4.9		8	SM	olive (5Y, 4/3) silty, fine SAND w/ trace clay, staining (mod.), & mod. odor; moist, med. dense
	4 / 3.8	1028			2.1				
							9	SW	DK grayish-brown (2.5Y, 4/2) fine to coarse SAND w/ trace gravel & silt, mod. odor & staining, moist, dense
							10	SM	Olive-gray (5Y, 5/2) silty, very fine SAND, heavy staining, strong odor, damp, dense

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351-33-77

DRILLING METHOD:	BORING NUMBER
	SBL0236
SAMPLING METHOD: Geoprobe, vibratory hammer	SHEET 2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
~0.3' Asphalt	0955	1034
	DATE 1-25-03	DATE 1-25-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	Olive-gray (5Y, 5/2) silty very fine SAND, heavy staining, strong odor, damp, dense
					31.1				
							11		
									• Becomes moist
					14.1		12		
	4 / 2.6	1031							
							13	SP	Olive-gray (5Y, 5/2) fine SAND w/ trace silt, moderate to strong odor, heavy staining, moist, med. dense
					27.6				
							14		
					21.5	SSS01645	15		
							16		
							7		Boring completed to ~16.3' on 1-25-03
							8		
							9		
							0		

DRILLING CONTRACTOR Gregg

BY Mark Wanell CHECKED BY DLM

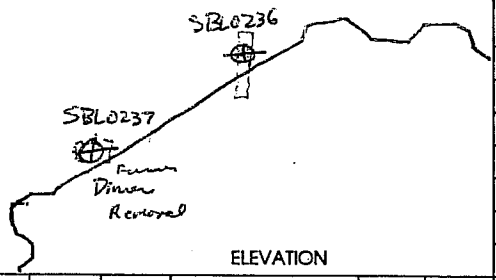
DATE 1-25-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING

1N



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe, vibratory hammer	SBL0237
SAMPLING METHOD:	SHEET
4' Acetate Sleeves	1 OF 2

DRILLING	START	FINISH
SURFACE CONDITIONS:	TIME	TIME
~0.3' Asphalt	1053	1107
	DATE	DATE
	01-25-03	01-25-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 3.8	1055					0	Asph.	Asphalt
					1.6			SW	Very dk grayish-brown (2.5Y, 3/2)
								CL	Brown (10YR, 4/3) and very dk gray (2.5Y, 3/1) sandy CLAY w/ trace gravel, moist, med. stiff
							1		
							2		
					0.5				
							3		
					1.1		4		
	4 / 3.9	1057			1.5				- Becomes black (2.5Y, 2.5/1), increased sand ~~cobbles~~, no apparent odor or staining
							5		
							6		- Becomes dk yellowish brown (10YR, 3/4), trace fine sand, no gravel
									- Becomes very dk brown (10YR, 2/2)
							7		- Becomes sandy w/ cobbles to 0.15'
									- ~~decreased~~ Becomes no sand or gravel
					0.6				
	4 / 3.9	1100			1.3		8		- Becomes very dk grayish-brown (2.5Y, 3/2), wet
							9		- Becomes gravelly w/ coarse sand
							10		- Becomes dk olive-gray (5Y, 3/2) w/ trace gravel & some silt, moderate odor, stain

BY Mark Wanek DATE 1-25-03 CHECKED BY Dug

BORING LOG

LOCATION OF BORING

JOB NUMBER: 28906318.01000

LOCATION: APN 7351-33-17

DRILLING METHOD: Geoprobe, vibratory hammer

BORING NUMBER: SBL0237

SAMPLING METHOD: 4' Acetate sleeves

SHEET: 2 OF 2

DRILLING: START TIME 1053, DATE 1-25-03; FINISH TIME 1107, DATE 1-25-03

SURFACE CONDITIONS: 0.3' Asphalt

DATUM... ELEVATION

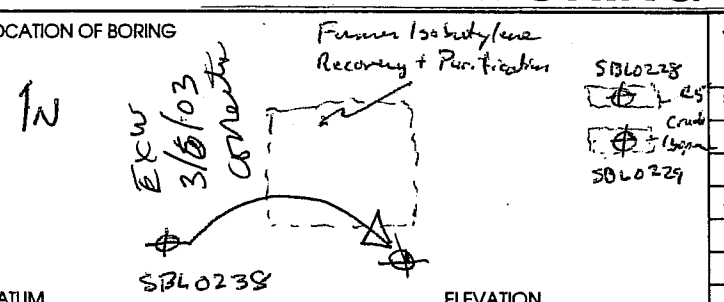
DRILLING CONTRACTOR Gregg

BY Mark Wanek DATE 1-25-03 CHECKED BY DLM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	CL	- Becomes dk olive-gray (5Y, 3/2) w/ trace gravel & some silt, mod. odor/staining.
							11	SM/CL	Light olive-brown (2.5Y, 5/6) & black (5Y, 2.5/2) interbedded (~0.04') ~~brn~~ mw ~~silty~~ fine sand w/ silt & clay, moist, dense/stiff clayey, mod. odor little staining
					550		12	SM	Light olive-brown (2.5Y, 5/6) silty fine SAND, moist, dense, moderate odor, little or no staining
	4/2.1	1105						SP	Olive-brown (2.5Y, 4/3) f fine SAND w/ trace silt, moderate-heavy odor, little staining
					1,446	SSS01646	13		
							14		
							15		
							16		
									Boring completed to w 16.3' on 1-25-03
							7		
							8		
							9		
							0		

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe, vibratory hammer	SBL0238

SAMPLING METHOD:	SHEET
4' Acetate sleeves	1 OF 2

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
~0.3' Asphalt	1242	
	DATE 01-25-03	DATE 01-25-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 3.8	1243					0	Asph.	Asphalt
								SM	Very dk grayish-brown (2.5Y, 3/2) silty f. - ~~Coarse~~ sand w/ fr. damp, med. d.
					1.7		1	CL	Very dk gray (2.5Y, 3/1) gravelly CLAY w/ silt & trace f. sand, damp, med. stiff
					1.2		2		
							3		- Becomes dk yellowish-brown (10YR, 4/6)
					0.7		4		
	4 / 3.1	1246			1.3				- Becomes dk olive-brown (2.5Y, 3/3), light odor ~~Becomes~~ MW
					18.2 ~~5.3~~ MW		5		
							6		- Becomes black (2.5Y, 2.5/1), Very heavily stained, light to mod. odor
						SSS01647			
					5.3		7		
	4 / 3.8	1249			6.7		8	SM	Dk olive-gray (5Y, 3/2) silty fine SAND w/ trace gravel, heavy staining & odor, damp, med. d. - ~~Becomes d~~ MW
							9		- Becomes olive-brown (2.5Y, 4/4) decreased staining, very dense
							10		- Becomes very dk grayish brown (2.5Y, 3/2) dense, heavy staining, very strong odor

DRILLING CONTRACTOR Gregg

BY Mark Clement DATE 1-25-03 CHECKED BY DLW

BORING LOG

LOCATION OF BORING

DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	AIN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe, vibratory hammer	SBL0238
SAMPLING METHOD:	SHEET
4' Acetate sleeves, continuous core	2 OF 2
	DRILLING
	START / FINISH
SURFACE CONDITIONS:	TIME: 1242 / 1255
~0.3' Asphalt	DATE: 1-25-03 / 1-25-03

DRILLING CONTRACTOR Gregg

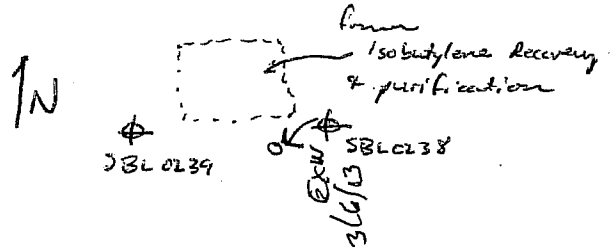
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	- Becomes very dark grayish-brown (2.5Y, 3/2), less heavy staining, very strong odor
					1791				
							11	SP	Olive-gray (5Y, 4/2) very fine SAND, dense, moist, heavy staining + very strong odor
					8.44				
	4 / 3.4	1253			4.5		12	CL	Dk olive gray (5Y, 3/2) silty CLAY w/ some fine sand, moist, stiff, heavily stained, med. odor
							13	SC-SM	olive-gray (5Y, 4/2) silty very fine SAND, heavily stained, strong odor
					18.21				
							14		
							15	SP	Olive-gray (5Y, 5/2) very fine SAND w/ trace silt, ~~Moderate~~ heavily stained, very strong odor
					7.13				
							16		
									Boring completed to ~16.2' on 1-25-03
							7		
							8		
							9		
							0		

BY Mark Wanek CHECKED BY Dlm

DATE 1-25-03

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION

JOB NUMBER	LOCATION
28906318.01000	APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe, vibratory hammer	SBL0239
SAMPLING METHOD:	SHEET
4' Acetate sleeve	1 OF 2

SURFACE CONDITIONS: ~0.3' Asphalt

DRILLING	START	FINISH
TIME	1354	1412
DATE	1-25-03	1-25-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 3.8	1356					0		
					0.1			Asph. SW	
								CL	Dk yellowish-brown (10YR, 4/4) gravelly CLAY w/ fine-coarse sand, and little silt
							1		
							2		
					0.5				
							3		- Becomes very dk gray (10YR, 3/1), no gravel and trace fine sand
					1.0		4		
	4 / 3.8	1400			6.6				- Becomes olive-brown, some sand
							5		
									- Becomes silty
					17.1	SSS01648 ~~SSS01648~~ MW	6		
							7		
					5.8		8		
	4 / 3.9	1408			0.7				
							9	SM	Yellowish brown (10YR, 5/6) silty very fine SAND, little or no odor
					0.7		10		

BY Mark Wheat DATE 1-25-03 CHECKED BY DWM

BORING LOG

LOCATION OF BORING

JOB NUMBER: 28906318.01000

LOCATION: APN 7351-33-17

DRILLING METHOD: Geoprobe vibratory hammer

BORING NUMBER: SBL0239

SAMPLING METHOD: 4' Acetate sleeves

SHEET: 2 OF 2

DRILLING START TIME: 1354

DRILLING FINISH TIME: 1412

DRILLING START DATE: 1-25-03

DRILLING FINISH DATE: 1-25-03

DATUM...

ELEVATION

SURFACE CONDITIONS: ~0.3' Asphalt

DRILLING CONTRACTOR: Gregg

BY: Mark Wanek

DATE: 1-25-03

CHECKED BY: DCM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					0.7		10	SM	
							11		
					0.2		12		
	4 / 2.7	1410						SP	Light olive-brown (2.5Y, 5/6) fine SAND
					1.0		13		
							14		
					0.5		15		
							16		
									Boring completed to ~ 16.3' on 1-25-03
							7		
							8		
							9		
							0		

BORING LOG

LOCATION OF BORING

JOB NUMBER: 289063818.01000

LOCATION: APN 7351-33-17

DRILLING METHOD: Geoprobe, vibratory hammer

BORING NUMBER: SBL0240

SAMPLING METHOD: 4' Acetate sleeve, continuous core

SHEET: 1 OF 2

DRILLING START TIME: 1420 DATE: 1-25-03

DRILLING FINISH TIME: 1435 DATE: 1-25-03

SURFACE CONDITIONS: ~0.3' Asphalt

DATUM... ELEVATION

DRILLING CONTRACTOR Cascade

BY Mark Wanek DATE 1-25-03 CHECKED BY DLM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 3.8	1424					0	Asph	
					0.9			SW	
								CL	Very dk grayish brown sandy CLAY w/ gravel
							1		- Becomes olive
							2		
					0.3				
							3		
					0.3				
	4 / 3.8	1428			0.5		4		
									- Becomes dk olive gray (5Y, 3/2)
							5		
					0.2				- Becomes trace gravel & little sand
							6		
							7		
					0.4				
							8		
	4 / 3.8	1430			0.6				
							9		- Becomes very dk grayish-brown, sandy (fine-coarse), some gravel (cobbles to ~0.1')
					12.1		10	SM	

BORING LOG

LOCATION OF BORING

JOB NUMBER: 28906318.01000

LOCATION: APN 7351-33-17

DRILLING METHOD: Geoprobe, ~~hollow stem~~ Vibratory hammer

BORING NUMBER: SBL0240

SAMPLING METHOD: 4' Acetate sleeves

SHEET: 2 OF 2

DRILLING START TIME: 1423

DRILLING FINISH TIME: 1435

DRILLING START DATE: 1-25-03

DRILLING FINISH DATE: 1-25-03

SURFACE CONDITIONS: ~0.3' Asphalt

DATUM...

ELEVATION

DRILLING CONTRACTOR: Gregg

BY: Mark Danek

DATE: 1-25-03

CHECKED BY: DCM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					12.1		10	CL	
								SM	olive-brown (2.5Y, 4/4) silty very fine - fine SAND, moist, dense, strong odor, moderate staining.
							11		
					1732		12		
	4/3.6	1433						CL	Dk olive-brown (2.5Y, 3/3) CLAY w/ little fine sand
							13		
					1023		14	SM	Light olive-brown (2.5Y, 5/6) silty very fine SAND, ~~sh~~ moist, dense strong odor, moderate staining
							15		
					1526		16		
									Boring completed to ~16.3' on 1-25-03
							7		
							8		
							9		
							0		

BORING LOG

LOCATION OF BORING

JOB NUMBER 28906318.01000

LOCATION APN 7351-33-17

DRILLING METHOD: Geoprobe, vibratory hammer

BORING NUMBER SBL0241

SAMPLING METHOD: 4' Acetate sleeves, continuous core

SHEET 1 OF 2

DRILLING CONTRACTOR Gregg

DATUM... ELEVATION

SURFACE CONDITIONS: ~0.3' Asphalt

DRILLING START TIME	DRILLING FINISH TIME
1458	1512
DATE 1-25-03	DATE 1-25-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 3.8	1501					0	Asphalt / GW	
					2.1			CL	Dk olive-brown (2.5Y, 3/3) CLAY w/ some fine sand
							1		
					0.2	SS501650	2		
									-Becomes dark brown (10YR, 3/3)
							3		
					0.2				
	4 / 2.8	1504			0.5		4		- Becomes dk yellowish-brown (10YR, 4/6), sandy
							5	SM	
					0.3				Dk yellowish-brown (10YR, 4/6) silty, fine SAND
							6		
					0.4		7		- Root particles
	4 / 3.8	1507			0.6		8		- Becomes yellowish-brown (10YR, 5/8)
							9		
					0.4		10		

BY Mark Wanek DATE 1-25-03 CHECKED BY DCM

BORING LOG

LOCATION OF BORING

JOB NUMBER: 28906318.01000

LOCATION: APN 735-33-17

DRILLING METHOD: Geoprobe, vibratory hammer

BORING NUMBER: SBL0241

SAMPLING METHOD: 4' Acetate sleeves, continuous core

SHEET: 2 OF 2

DRILLING START TIME: 1458 DATE: 1-25-03

DRILLING FINISH TIME: 1512 DATE: 1-25-03

SURFACE CONDITIONS: ~0.3' Asphalt

DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

BY Mark Wanek DATE 1-25-03 CHECKED BY Dun

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
					0.4		10	SM
							11	
					0.6		12	
	4 / 2.6	1510			0.4			
							13	SP
					0.5		14	
					0.7		15	
							16	
							7	
							8	
							9	
							0	

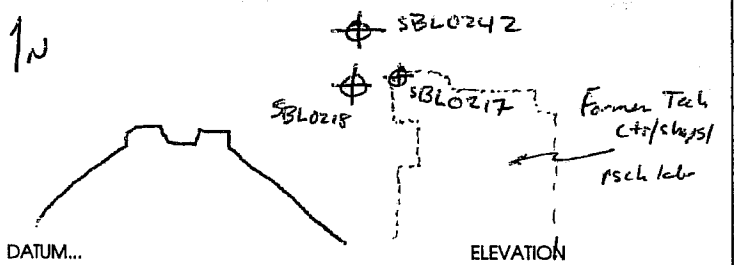
Brownish-yellow (10YR, 6/6) very fine SAND no apparent odor or staining

Boring completed to ~16.3' on 1-25-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe, w/ bradley hammer	SBL0242
SAMPLING METHOD:	SHEET
4' Acetate Sleeves, continuous core	1 OF 2
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME: 1520 / 1545
~0.3' Asphalt	DATE: 1-25-03 / 1-25-03

DRILLING CONTRACTOR Gregg

BY Mark Wenck DATE 1-25-03 CHECKED BY PLM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 3.7	1525					0	Asph.	Asphalt
					1.0			SW	Very dk grayish-brown (10 YR, 3/2)
							1	CL	Very dk grayish-brown (10 YR, 3/2) CLAY w/ interbeds of sandy clay, trace gravel
					0.2		2		
							3		- Becomes olive-brown, increased gravel
					2.7		4		
	4 / 3.8	1530			2.0				- Becomes light olive-brown (2.5Y, 5/4)
							5	SM	Light olive brown (2.5Y, 5/4), light mw silty very fine-fine SAND, dense, moist, light odor
					17.9		6		
							7		
					67.5		8		
	4 / 3.9	1535			5.9			SP	Light olive-brown (2.5Y, 5/4) fine SAND w/ trace silt, damp, dense, strong odor, little or no staining
							9		
					737		10		

BORING LOG

LOCATION OF BORING

JOB NUMBER: 28906318.01000

LOCATION: APN 7351-33-17

DRILLING METHOD: Geoprobe, vibratory hammer

BORING NUMBER: SBL0242

SAMPLING METHOD: 4' Acetate sleeves, continuous core

SHEET: 2 OF 2

DRILLING START TIME: 1520 DATE: 1-25-03

DRILLING FINISH TIME: 1545 DATE: 1-25-03

SURFACE CONDITIONS: ~0.3' Asphalt

DATUM... ELEVATION

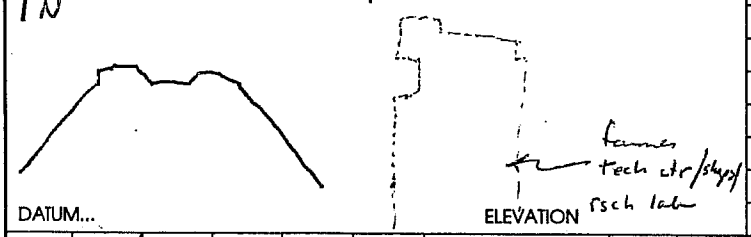
DRILLING CONTRACTOR Gregg

BY Mark Wanek DATE 1-25-03 CHECKED BY DCM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					737		10	SP	
							11		
					994				
						SS501651			
	4 / 2.1	1540					12	SM	Light olive-brown (2.5Y, 5/4) ~~silty~~ SAND w/ silt, damp, dense, strong odor, little apparent staining
					1123		13	SP	Light olive-brown (2.5Y, 5/4) fine SAND, strong odor, little ~~no~~ apparent staining
					833				
							14	SM	Olive-brown (2.5Y, 4/3) sand w/ silt, damp, dense, strong odor, little apparent staining
							15		
							16		
									Boring completed to ~16.3' on 1-25-03
							7		
							8		
							9		
							0		

BORING LOG

LOCATION OF BORING



JOB NUMBER	LOCATION
28906318.01000	APN 7351-33-17

DRILLING METHOD: Geoprobe, vibratory hammer

BORING NUMBER: SBL0243

SAMPLING METHOD: 4" Acetate sleeves, continuous core

SHEET: 1 OF 2

SURFACE CONDITIONS: ~0.3' Asphalt

DRILLING	START	FINISH
TIME	1555	1620
DATE	1-25-03	1-25-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4 / 2.5	1600					0	Asph.	Asphalt (10YR, 3/1)
								SW	Very dk grayish brown, (10 2.5Y, 5/4) gravelly SAND w/ silt
							0.5	SM	Light olive-brown, silty fine SAND w/ trace clay
							1		
					7.5	SSS01652	2	MW	- trace gravel at ~ 1.8'
					7.0		3		
	4 / 3.5	1605			1.9		4		- Becomes dk yellowish-brown (10YR, 4/4) no clay, little or no apparent odor
							5		
					1.0				- Trace clay from ~ 5.2' - 5.8'
							6		
							7		- little odor at ~ 7.1' MW
					0.9		8		
	4 / 3.7	1610			1.4			SC	Olive-brown (2.5Y, 4/3) clayey SAND w/ silt, Ag moist, dense, no apparent odor
							9		
					1.4		10		
								SW SM	Dk gray (2.5Y, 4/1) gravelly SAND

BY Mark Weeks DATE 1-25-03 CHECKED BY DLM

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351-33-17

DRILLING METHOD:	BORING NUMBER
Geoprobe, v. bracing hammer	SBL0243
SAMPLING METHOD:	SHEET
4' Acetate sleeves, continuous core	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START	DRILLING FINISH
~0.3' Asphalt	TIME 1555	TIME 1620
	DATE 1-25-03	DATE 1-25-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					1.4		10	SW	Very dark grayish brown, ~~[illegible]~~ (10YR, 3/2) Gravelly SAND
								SM	DK yellowish brown (10YR, 4/4) silty very fine-fine SAND, dense, moist, no odor
							11		- Trace clay
					10				- Becomes little silt, no clay
							12	MW	
	4 / 3.1	1615							
							13		- Trace dk brown (10YR, 3/3) gravel at ~13.0'
								SP	Olive (5Y, 4/4) fine SAND w/ trace silt
					6.8		14		
					15		15		
							16		
									Boring completed to ~16.3' on 1-25-03
							7		
							8		
							9		
							0		

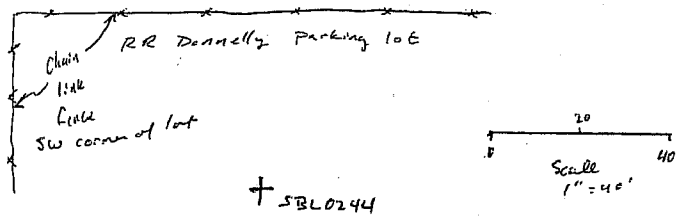
BY Mark Wanek CHECKED BY Dim

DATE 1-25-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION → N

JOB NUMBER	LOCATION
2890631 8.01000	APN 7351-34-15

DRILLING METHOD:	BORING NUMBER
Geoprobe, vibratory hammer	SBL0244

SAMPLING METHOD:	SHEET
1.5" Acetate Sleeves	1 OF 2

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.1' Asphalt	0857	0920
	DATE 4-11-03	DATE 4-11-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	4.0 / 3.6	0857					0		
					0.3			CL	Dk brown & brown sandy CLAY, damp, stiff
							1		- trace gravel
Grab		0833			0.1	SS501658	2		- brick pieces
					0.4		3		
	4.0 / 3.8	0858			0.3		4		- Becomes ~~yellow brown~~ strong brown
								SC	Strong brown clayey fine SAND, damp, dense
							5	CL	Brown sandy CLAY, damp, very stiff
					0.4		6		
		0903				SS01659	7		
					1.4				
	4.0 / 3.2	0904			0.3		8		
							9	SM	Yellow-brown silty fine SAND,
							10		- trace clay 9.8-10.0'

BY Mark Wanek CHECKED BY DLM

DATE 4-11-03

BORING LOG

LOCATION OF BORING

DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

BY Mark Llanes DATE 4-11-03 CHECKED BY DLM

JOB NUMBER	LOCATION
28906318.01000	APN 7351-34-15

DRILLING METHOD:	BORING NUMBER
Geoprobe, vibratory hammer	SBL0244
SAMPLING METHOD:	SHEET 2 OF 2
1.5" acetate sleeves	DRILLING START TIME 0857 DATE 4-11-03; FINISH TIME 0920 DATE 4-11-03
SURFACE CONDITIONS: 0.1' Asphalt	

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							10	SM
					1.4		11	
					4.4 MW			
	4.0 / 1.7	0907			0.3		12	SP
					1.1		13	
		0913	13.2-13.7		1.4	SS01660		SM
							14	
							15	
							16	
							7	
							8	
							9	
							0	

Pale yellow silt inclusions 10.4 - 10.6'

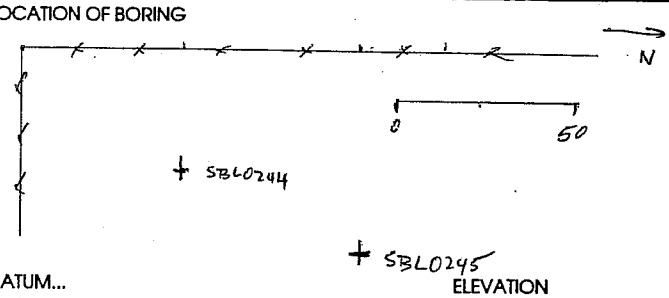
Light brown fine SAND w/ trace silt, damp, med. dense

Light olive-brown to fine SAND w/ silt, damp, med. dense

Boring completed to ~16' on 4-11-03

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	APN 7351-34-15

DRILLING METHOD:	BORING NUMBER
Geoprobe, continuous core vibratory hammer	SBL0245
SAMPLING METHOD:	SHEET
1.5" acetate sleeves	1 OF 2

SURFACE CONDITIONS: 0.1' Asphalt

DRILLING	START	FINISH
TIME	0930	1035
DATE	4-11-03	4-11-02

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
		0930					0		Hd 1st 6'
								CL	Dk brown silty CLAY w/ SAND, trace gravel
							1		- brick shards
		1045 ~~1009~~ MW	1.7-2.2		0.4 ~~0.7~~ MW	SSSO 1661	2		(Collected from boring ~2' S in styrene-saturated zone)
							3		- Styrene (black, rubbery) ~3' - 5.5'
	4.0 / 3.1	1014			0.7 ~~0.7~~		4		
					0.6		5		
								CL	- Becomes brown (10YR, 4/3)
					0.6		6		Very dk grayish brown (10YR, 3/2) specks
					~~0.7~~ 0.9		7		
	4.0 / 3.3	1021			1.2 ~~0.6~~		8		- Becomes olive-brown (2.5Y, 4/4), sandy
							9	~~MW~~ ~~SC~~ ~~SC~~ SM	Olive-brown (2.5Y, 4/4) silty fine SAND
					1.4 ~~0.6~~		10		

BY Mark Wanek CHECKED BY DLM

DATE 4-11-03

BORING LOG

LOCATION OF BORING

JOB NUMBER: 289063 18.01000

LOCATION: APN 7351-34-15

DRILLING METHOD: Geoprobe, vibratory hammer

BORING NUMBER: SBL0245

SAMPLING METHOD: 1.5" acetate sleeves

SHEET: 2 OF 2

DRILLING START TIME: 0930 DATE: 4-11-03

DRILLING FINISH TIME: 1035 DATE: 4-11-03

SURFACE CONDITIONS: 0.1' Asphalt

DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

BY Mark Vancil DATE 4-11-03 CHECKED BY Blum

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							10	SM
					0.7 ~~0.9~~		11	
	4.0 / 2.6	1026			~~1.2~~		12	
					~~1.4~~		13	SP
		1030			3.4 ~~0.7~~	SSS01662	14	
							15	
							16	
							17	
							18	
							19	
							20	

~ Becomes dk yellowish-brown (10 YR, 3/6)

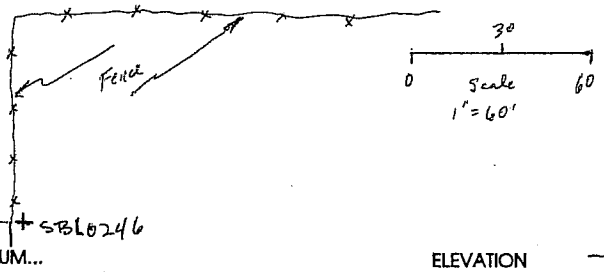
~ trace clay

Light olive-brown (2.5 Y, 5/4) fine SAND w/ trace silt, damp, med. dense (SP)

Boring completed to ~ 16' on 4-11-03

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	APN 7351-34-15

DRILLING METHOD:	BORING NUMBER
Geoprobe, vibratory hammer	SBL0246
SAMPLING METHOD:	SHEET
1.5" acetate sleeves	1 OF 2
SURFACE CONDITIONS:	DRILLING START TIME / FINISH TIME
0.1' Asphalt	1055 / 1200
	DRILLING START DATE / FINISH DATE
	4-11-03 / 4-11-03

DRILLING CONTRACTOR Gregg

BY Mark Warnock DATE 4-11-03 CHECKED BY DLM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
		1055					0	Asph.
		1104			0.5	SS501664	2	
	4.0 / 3.5				0.8		4	
		1137			1.4	SS501663	7	
	4.0 / 3.3				0.9		8	SM
					0.7		10	

Asphalt

CL Very dk grayish-brown (2.5Y, 3/2) and dk yellowish-brown (10YR, 4/6) CLAY w/ some sand, trace gravel, stiff

- Brick shards

- Becomes olive-brown (2.5Y, 4/4) & pale yellow (2.5Y, 7/4), very stiff

- Becomes silty w/ sand

SM Light olive-brown (to 2.5Y, 5/4) silty fine SAND w/ trace clays, damp, med. dense

BORING LOG

LOCATION OF BORING

JOB NUMBER: 28906318.01000

LOCATION: APN 7351-34-15

DRILLING METHOD: Geoprobe, ~~acetate~~ vibratory hammer

BORING NUMBER: SBL0246

SAMPLING METHOD: 1.5" Acetate sleeves

SHEET: 2 OF 2

SURFACE CONDITIONS: 0.1' Asphalt

DRILLING: START TIME 1055, DATE 4-11-03; FINISH TIME 1200, DATE 4-11-03

DRILLING CONTRACTOR Gregg

DATUM...

ELEVATION

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							10	SM
							11	
					0.3			
							12	
	4.0 / 1.4				1.4			
							13	
		1148	13.1-13.3		0.3	SSS 01665		
							14	
							15	
							16	
							7	
							8	
							9	
							0	

(2.5Y 7/3)

- Becomes no clay, pale yellow, streaks

- decreased silt, dk orange specks

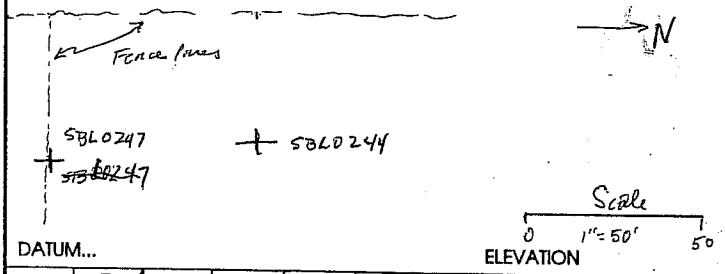
Boring completed to ~16' on 4-11-03

BY Mark Wanek DATE 4-11-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION

JOB NUMBER	LOCATION
28906318.01000	APN 7351-34-15

DRILLING METHOD:	BORING NUMBER
Geoprobe, vibratory hammer	SBL0247
SAMPLING METHOD:	SHEET
1.5" acetate sheaves	1 OF 2

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.1' Asphalt	1156	1235
	DATE 4-11-03	DATE 4-11-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
		1156					0		
								CL	Dk olive-brwn (2.5Y, 3/3) CLAY w/ little sand and silt, damp, stiff
							1		
		1201			0.3 ~~0.8~~ mw		2		
									- Becomes lt olive brwn (2.5Y, 5/4) and lt yellowish-brwn (2.5Y, 6/4) mottled
	2.0 / 1.9	1212	3.1-3.9		0.3	SSS01666	3		Black styrene, end hand auger advance
							4	CL	- Becomes dk yellowish-brown (10YR, 4/6), sandy
					0.6				
									- Becomes darker (10YR, 5/6), some sand, very stiff
	3.0 / 3.0						5		- Becomes silty w/ trace sand, dk yellowish-brown (10YR, 4/4) and very pale brown (10YR, 7/3)
					0.5		6		
									- no pale-brown
							7		
									- pale brown sandy inclusions
					0.9		8		
	4.0 / 3.7				0.3			ML	Light olive-brown, fine sandy SILT, damp, dense
							9		
					0.2		10	ML-SM	Light olive-brown sandy SILT - silty, fine SAND, mottled w/ dark yellowish brwn & pale brown

BY Mark Wanek

DATE 4-11-03

CHECKED BY DLM

BORING LOG

LOCATION OF BORING

JOB NUMBER	LOCATION
289063 18.01000	APN 7351-34-15

DRILLING METHOD: Geoprobe, vibratory hammer

BORING NUMBER: SBL0247

SAMPLING METHOD: 1.5" Acetate sleeves

SHEET: 2 OF 2

DRILLING: START TIME 1156, FINISH TIME 1235; START DATE 4-11-03, FINISH DATE 4-11-03

SURFACE CONDITIONS: 0.1' Asphalt

DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

BY Mark Wardle DATE 4-11-03 CHECKED BY Dean

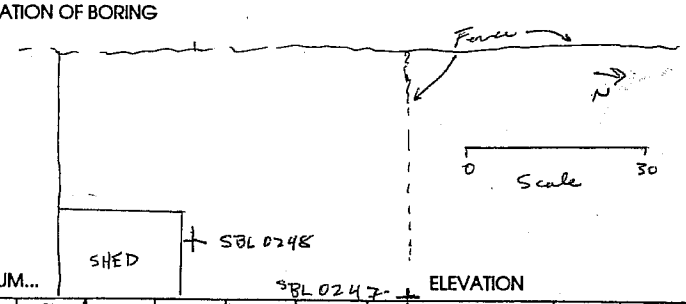
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							10	ML / ML-SM
							11	
					1.0			dashed
	4.0 / 1.4	1224					12	SM
							13	
		1230			0.1	SSS01667		
							14	
							15	
							16	
							7	
							8	
							9	
							0	

Light olive-brown (2.5Y, 5/4) silty fine SAND damp, dense

Boring completed to ~16' on 4-11-03

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
2890318.01000	APN 7351-34-15

DRILLING METHOD:	BORING NUMBER
Geoprobe, vibratory hammer	SBL0248
SAMPLING METHOD:	SHEET
1.5" acetate sleeves	1 OF 2
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME: 1300 / 1400
0.1' Asphalt	DATE: 4-11-03 / 4-11-03

DRILLING CONTRACTOR Gregg

BY Mark Wanek DATE 4-11-03 CHECKED BY DLM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0		
								CL	Very dark grayish-brown (10YR, 3/2) CLAY w/ sand and silt, ~~damp~~ moist, trace gravel, damp, stiff
							1		
		1307	1.5-2.0		0.5	SS501668	2		
									- Becomes dark yellowish-brown (10YR, 3/6), sandy
							3		
					0.4				
	4.0 / ~~3.4~~ 3.5	1335					4		
							5		
					0.9		6		- Becomes yellowish-brown (10YR, 5/4)
								SM	Very Yellowish brown (10YR, 5/4) silty, fine SAND w/ dk brown (10YR, 3/3) inclusions, mica, damp, dense
		1335	6.9-7.4		0.4	SS501669	7		
	4.0 / 2.4								
					0.6		8		- Becomes light olive-brown
							9		
					3.1		10		

BORING LOG

LOCATION OF BORING

DATUM...

ELEVATION

JOB NUMBER	LOCATION
28906318.01000	APN 7351-34-15

DRILLING METHOD:	BORING NUMBER
Geoprobe, vibratory hammer	SBL0248

SAMPLING METHOD:	SHEET
1.5" Acetate sleeves	2 OF 2

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.1' Asphalt	1300	1400
	DATE 4-11-03	DATE 4-11-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
								SM
					0.6		10	
							11	ML SML MW
	4.0 / 3.5				0.4		12	
							13	
					5.8		14	
		1346	15.0-15.3		1.2	SSS01670	15	
							16	
							7	
							8	
							9	
							0	

-Becomes ~~Light~~ Olive-brown (2.5Y, 4/3), w/ clay ~~sandy~~ ~~SILT~~ SNT ~~w/ clay, damp, dense~~

Becomes
- Trace clay

- Becomes no clay, trace root casts

Boring completed to ~16' on 4-11-03

DRILLING CONTRACTOR Gregg

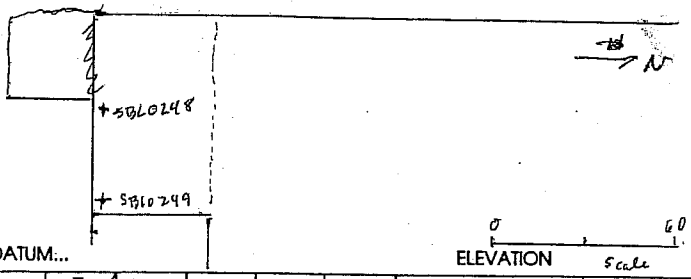
BY Mark Wanek

DATE 4-11-03

CHECKED BY DLM

BORING LOG

LOCATION OF BORING



DATUM:...

ELEVATION

JOB NUMBER	LOCATION
28906318.01000	APN 7351-34-15

DRILLING METHOD:	BORING NUMBER
Geoprobe, vibratory hammer	SBL0249
SAMPLING METHOD:	SHEET
1.5" Acetate sleeves	1 OF 2

SURFACE CONDITIONS:	DRILLING START	DRILLING FINISH
0.1' Asphalt	TIME 1445	TIME 1538
	DATE 4-11-03	DATE 4-11-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	A/C	Asphalt
								CL	Very dark grayish-brown (~~2.5Y~~ 10YR, 3/2) silty CLAY w/ little sand, damp, very stiff
							1		
		1455	1.5-2.0			SSS01671	2		
									-Becomes dark yellowish-brown (10YR, 3/6)
							3		
	4.0 / 3.3				2.0		4		
							5		
							6		-Becomes lighter (10YR, 4/6)
									Very -Pale brown (10YR, 8/4) silty/very fine sandy -inclusions
		1523	6.7-7.2		1.2	SSS01672	7	SM	
					1.4				Light olive brown silty very fine SAND w/ trace clay, damp, dense
	4.0 / 3.5				2.8		8		-streaks of dk orange, faint organic odor
							9		-trace gravel ~9.3-9.5'
					3.5		10		

BY Mark Wanek CHECKED BY [illegible]

DATE 4-11-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING

DATUM... ELEVATION

JOB NUMBER: 2890618.01000

LOCATION: APN 7351-34-15

DRILLING METHOD: Geoprobe

BORING NUMBER: SBL0249

SAMPLING METHOD: 1.5" Acetate sleeves

SHEET: 2 OF 2

SURFACE CONDITIONS: 0.1' Asphalt

DRILLING START TIME: 1445 DATE: 9-11-03

DRILLING FINISH TIME: 1538 DATE: 9-11-03

DRILLING CONTRACTOR Gregg

BY Mark Wenk DATE 9-11-03 CHECKED BY DCM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							10	SM
							11	
					1.5			
							12	
	4.0 / 3.1				3.0			
							13	
					5.6		14	
		1533	14.7-15.1		2.0	SSS01673	15	
							16	
							7	
							8	
							9	
							0	

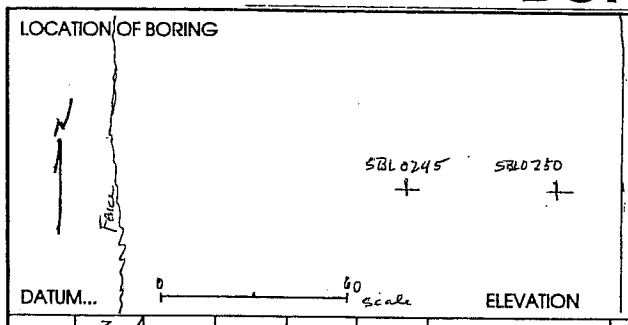
- Becomes light yellowish-brown (2.5Y, 6/4), trace gravel
- increased gravel (to ~10%)
- trace gravel, & clay
- increased silt
- cobble to ~0.1'

Boring completed to ~16' on 9-11-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	APN 7351-34-15

DRILLING METHOD:	BORING NUMBER
Geoprobe, continuous core	SBL0250
SAMPLING METHOD:	SHEET
1.5" Acetate liners	1 OF 2

SURFACE CONDITIONS:	DRILLING START	DRILLING FINISH
0.1' Asphalt	TIME 1600	TIME 1705
	DATE 4-11-03	DATE 4-11-03

DRILLING CONTRACTOR Gregory

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	Asph. CL	Very dark grayish-brown (10YR, 3/2) ~~silt~~ CLAY w/ some silt and trace fine sand
							1		
		1609	1.5-2.0'		0.6	SSS01674	2		
							3		-Becomes ~~very~~ dark yellowish-brown (10YR, 3/6), increase sand
	4.0/3.5				1.5		4		
							5		
					2.5		6		-root casts
								SC	Dark yellowish-brown (10YR, 3/6) clayey fine SAND
		1636	7.0-7.5		0.8	SSS01675	7		
	4.0/3.5				0.7		8		-Becomes lighter (10YR, 4/6), circular rust-colored inclusions - no inclusions
							9	SM	Dk yellowish-brown (10YR, 3/6) silty fine SAND with clay
					0.7		10		

BY Mark Wanek CHECKED BY DLM

DATE 4-11-03

BORING LOG

LOCATION OF BORING

JOB NUMBER	LOCATION
28906318.01000	APN 7351-34-15

DRILLING METHOD:	BORING NUMBER
Geoprobe, vibratory hammer	SBL0250
SAMPLING METHOD:	SHEET
1.5" acetate sleeves	2 OF 2
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME: 1600 / 1705
0.1' Asphalt	DATE: 4-11-03 / 4-11-03

DRILLING CONTRACTOR Gregg

DATUM... ELEVATION

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							10	SM
							11	
					0.8			
	4.0 / 2.7				tmw		12	
							13	
							14	
		1658	14.2-14.7		1.3	SSS01676		
							15	
							16	
							7	
							8	
							9	
							0	

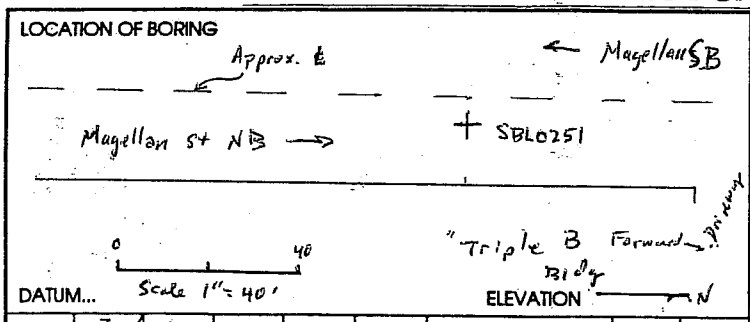
- Becomes trace clay
- Becomes no clay, fine laminations
- Becomes darker (10YR 4/6), very fine sand to fine sand

Boring completed to 16' on 4-11-03

BY Mark Wanek DATE 4-11-03 CHECKED BY DCM

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION → N

JOB NUMBER: 28906357.01000

LOCATION: SBL0251

DRILLING METHOD: Geoprobe, continuous core

BORING NUMBER: SBL0251

SAMPLING METHOD: 1.5" acetate sleeves

SHEET 1 OF 2

SURFACE CONDITIONS: ~0.3' Asphalt

DRILLING

START	FINISH
TIME 0820	TIME 0940
DATE 4-14-03	DATE 4-14-03

DRILLING CONTRACTOR Gregg Drill

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	~~CL~~ GC	Asphalt Olive-brown (2.5Y, 4/4) clayey GRAVEL w/ sand and silt (road base)
		0824			0.3		2	CL	DK brown (10YR, 3/3) sandy CLAY w/ little silt
						SSS01677	3		Very dk grayish-brown (2.5Y, 3/2) - Becomes mottled w/ dk yellowish-brown (10YR, 4/6), hydrocarbon odor
					0.0		4		
	4.0 / 2.1								
					0.1		5		- Becomes Dk greenish-gray (GLEY1, 4/10Y) slight petroleum odor
								SM	→ Cobble impedes hand augering / drilling at ~5.3' → Light olive-brown (2.5Y, 5/4) silty very fine SAND
							6		
							7	Empty	
	4.0 / 3.9						8		- Becomes olive-brown (2.5Y, 4/4), trace clay
							9		
							10		

BY David Mark Wanek

DATE 4/14/03 CHECKED BY PLM

BORING LOG

LOCATION OF BORING

JOB NUMBER	LOCATION
28906357.01000	NB Magellan St

DRILLING METHOD:	BORING NUMBER
Geoprobe, continuous core	SBL0251
SAMPLING METHOD:	SHEET
1.5" acetate sleeves	2 OF 2

DRILLING CONTRACTOR Gregg Drilling

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.3' Asphalt	0820	0940
	DATE 4-14-03	DATE 4-14-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							10	SM
							11	
							12	
	4.0 / 1.4							
							13	
							14	
							15	Silty
							16	
							17	
							18	
							19	
							20	

- Becomes light olive-brown, no clay, med. dense
- Trace clay, dense

Boring completed to ~16' on 4.14.03

BY Mark Wayne DATE 4-14-03 CHECKED BY DLM

BORING LOG

LOCATION OF BORING

Approx ℄ Magellan

↑ To 19771 Magellan

SBL0252 SBL0251

Scale 1" = 40' 40

DATUM...

ELEVATION → N

JOB NUMBER	LOCATION
28906357.01000	NB Magellan

DRILLING METHOD: Geoprobe, vibratory hammer

BORING NUMBER: SBL0252

SAMPLING METHOD: 1.5" acetate sleeves

SHEET 1 OF 2

SURFACE CONDITIONS: 0.2' Asphalt

DRILLING	START	FINISH
TIME	0950	1130
DATE	4-14-03	4-14-03

DRILLING CONTRACTOR Gray Drilling

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	SM	Very dk grayish-brown (2.5Y, 3/2) silty SAND w/ gravel
							1	CL	Dk yellowish-brown (10 YR, 4/6) and very dk gray (10YR, 3/1) silty CLAY w/ sand (very fine)
							2		
							3		
					0.2		4		- faint hydrocarbon odor
	4.0 / 1.8	1105							
		1108			0.5	SSS01678	5	SC	Dark yellowish-brown (10YR, 4/4) clayey very fine SAND w/silt, damp, dense, little or no apparent staining or odor
							6		- Becomes very dk gray (10 YR, 3/1) stained, faint hydrocarbon odor, trace gravel
							7		
	4.0 / 3.9	1113			0.4	MW ~~016~~ SSS01679	8		- Becomes olive-gray (5Y, 4/2), decreased clay content, trace
							9		- no gravel
									- ~0.1' lense of brown (7.5YR, 4/4) sandy clay
					0.1		10		- trace gravel

BY Mark Wauck DATE 4-14-03 CHECKED BY [signature]

BORING LOG

LOCATION OF BORING

DATUM...

ELEVATION

JOB NUMBER	LOCATION
28906318.01000	NB Magellan

DRILLING METHOD: Geoprobe vibratory hammer

BORING NUMBER: SBL0252

SAMPLING METHOD: 1.5" acetate sleeves

SHEET 2 OF 2

SURFACE CONDITIONS: 0.2' Asphalt

DRILLING	START	FINISH
TIME	0950	1130
DATE	4-14-03	4-14-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SC	
							11		
					0.2				- ~0.2' lens of dk brown (10YR, 3/3), sandy clay
	4.0 / 1.3						12		- Becomes olive-brown (2.5Y, 4/4)
								GC	Olive-gray (2.5Y, 4/2) and lt gray (2.5Y, 7/1) clayey GRAVEL w/ sand, cobbles to 0.1',
							13		Boring completed to ~13' (Refusal) on 4-14-03
							4		
							5		
							6		
							7		
							8		
							9		
							0		

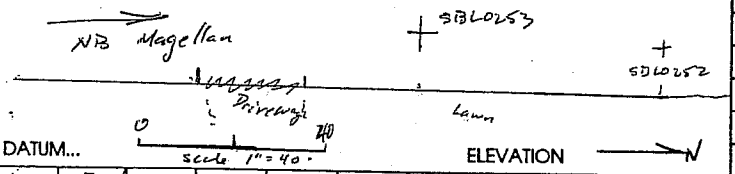
DRILLING CONTRACTOR Gregg

BY Mark Wanek

DATE 4-14-03 CHECKED BY DLM

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	NB Magellan

DRILLING METHOD:	BORING NUMBER
Geoprobe, vibratory hammer	SBL0253

SAMPLING METHOD:	SHEET
1.5" acetate sleeves	1 OF 2

SURFACE CONDITIONS:	DRILLING START	DRILLING FINISH
0.2' Asphalt	TIME 1135	TIME 1220
	DATE 4-14-03	DATE 4-14-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0		Asphalt
								CL	Very dk gray (2.5Y, 3/2) silty CLAY w/ very fine sand, damp, stiff
							1		
							2		
							3		
	4.0 / 2.4	1204					4		
							5		
					0.4				
		1206			444	SSS01680	6		- Becomes very dk grayish-brown (2.5Y, 3/2), little gravel, hydrocarbon/volatiles odor, staining
							7		
	4.0 / 3.1	1209			7.2		8		-
					114		9	SC	Olive-brown (2.5Y, 4/3) clayey very fine SAND w/ silt, damp, dense, sharp contact at ~9.2'.
							10		- Becomes Olive-gray 10'-10.3'

BY Mark Wonek DATE 4-14-03 CHECKED BY DLW

BORING LOG

LOCATION OF BORING

JOB NUMBER	LOCATION
289006318.01000	NB Magellan St

DRILLING METHOD:	BORING NUMBER
Geoprobe, vibratory hammer	SBL0253
SAMPLING METHOD:	SHEET
1.5" acetate sleeves, continuous core	2 OF 2
SURFACE CONDITIONS:	DRILLING START TIME 1135 DATE 4-14-03; DRILLING FINISH TIME 1220 DATE 4-14-03
0-2' Asphalt	

DATUM... ELEVATION

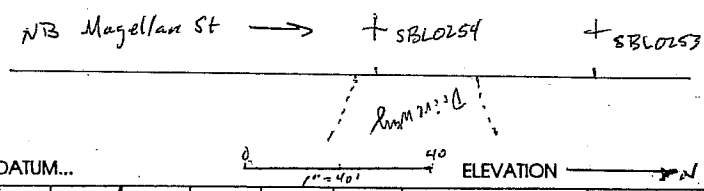
DRILLING CONTRACTOR Gregg

BY Marie Wenek DATE 4-14-03 CHECKED BY Blum

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SC	
					268				
								CL	Very dk grayish-brown (10YR, 3/2) CLAY w/ silt and some very fine sand, damp, stiff, mod. HC odor, staining → Becomes olive, sandy
					131		11		
	4.0 / 3.7	1213			222		12		- trace gravel, olive-gray
							13	SM	Olive-gray silty very fine SAND, damp dense moderate HC odor & staining
					254				
							14		- Becomes increased silt
									- Becomes olive-brown (2.5Y, 4/4), decreased staining & odor
					1.3		15		
							16		
									Boring completed to ~16' on 4-14-03
							7		
							8		
							9		
							0		

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION → N

JOB NUMBER	LOCATION
28906357.01000	NB Magellan St

DRILLING METHOD:	BORING NUMBER
Geoprobe, vibratory hammer	SBL0254

SAMPLING METHOD:	SHEET
1.5" acetate sleeves, Continuous core	1 OF 2

SURFACE CONDITIONS:	DRILLING START	DRILLING FINISH
~0.2' Asphalt	TIME 1226	TIME 1335
	DATE 4-14-03	DATE 4-14-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0		Asphalt
								SM	~~Very~~ dk grayish-brown (2.5Y, 4/2) silty fine SAND w/ ~~GRAV~~ gravel, moist, loose
							1	CL	Very dk grayish-brown (2.5Y, 3/2) ~~ct~~ sandy CLAY w/ silt and little gravel
							2		
							3		
	4.0 / 3.0	1257					4		
							5		- Becomes
					11.1		6		Very dark gray (2.5Y, 3/1), moderate HC odor, trace gravel
									~0.3' light olive-brown (2.5Y, 5/4) & dk gray (5Y, 4/1) laminae
					16.6		7		
	4.0 / 2.4				23.6		8		- Becomes olive-gray (5Y, 4/2), slight volatile odor
							9		- Becomes dk olive-grey (~~2.5Y~~ 5Y, 3/2) strong odor and heavily stained
							10		- Becomes olive-gray, ~~staining & hemw~~
		1307			100	SSS-~~0064~~ 01681			

BY Mark Wanek DATE 4-14-03 CHECKED BY [illegible]

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER: 289063I8.01000

LOCATION: NB Magellan St

DRILLING METHOD: Geoprobe, vibratory hammer

BORING NUMBER: SBL0254

SAMPLING METHOD: 1.5" acetate sleeves, continuous core

SHEET: 2 OF 2

DRILLING: START TIME 1226 DATE 4-14-03; FINISH TIME 1335 DATE 4-14-03

SURFACE CONDITIONS: ~0.2' Asphalt

DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

BY Mark Wanek DATE 4-14-03 CHECKED BY Dan

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					100		10	CL	
							11		
							12		
	4.0 / 2.7				18.4		13	SC	Olive-gray (5Y, 4/2) clayey, very fine SAND w/ silt, moist, dense, mod. HC odor
								SM	moderate volatile odor
							14		Olive-gray (5Y, 3/2) silty very fine SAND w/ trace clay, damp, dense, moderate volatile odor
					6.2				
							15		
							16		Boring completed to ~ 16' on 4-14-03
							17		
							18		
							19		
							20		

BORING LOG

LOCATION OF BORING

→ 262' to SBL0254

+ SBL0255 NB Magellan St

19750 Magellan
Dong Kuk

DATUM... 0 40 ELEVATION → N

JOB NUMBER: 28906~~357~~318.01000

LOCATION: NB Magellan St

DRILLING METHOD: Geoprobe, continuous core vibrating hammer

BORING NUMBER: SBL0255

SAMPLING METHOD: 1.5" Acetate liners

SHEET 1 OF 2

SURFACE CONDITIONS: -0.2' Asphalt

DRILLING

START	FINISH
TIME 1435	TIME 1540
DATE 4-14-03	DATE 4-14-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0		
								CL	Dark brown (10 YR, 3/3) silty CLAY w/ very fine ~~sa~~ sand and trace gravel
							1		
		1445			0.3	SSS01682	2		
									→ Becomes Dk yellowish-brown (10YR, 4/4)
							3	SM	Dk yellowish-brown (10YR, 3/6) silty very fine SAND w/ trace clay
	4.0 / 2.9	1503					4		
							5	CL	Dark yellowish-brown (10YR, 4/6) silty CLAY w/ little very fine SAND
					0.1		6		
					0.1				
		1507			0.4	SSS01683	7		
								SM	
	4.0 / 2.0	1512			0.1		8		Light olive-brown (2.5Y, 5/4) silty very fine SAND
							9		
								ML	Olive-brown (2.5Y, 4/4) clayey SILT w/ gravel and very fine sand
					0.1		10	~~SM~~ SC	Olive-brown clayey very fine SAND w/ silt dense, moist

BY Mark Wanek CHECKED BY DCM

DATE 4-14-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER 318 2890[illegible].01000 | LOCATION NB Magellan St

DRILLING METHOD: Geoprobe, vibratory hammer | BORING NUMBER SBL0255

SAMPLING METHOD: 1.5" Acetate liners, Continuous core | SHEET 2 OF 2

DRILLING: START TIME 1435 DATE 9-14-03 | FINISH TIME 1540 DATE 9-14-03

SURFACE CONDITIONS: 0-2' Asphalt

DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

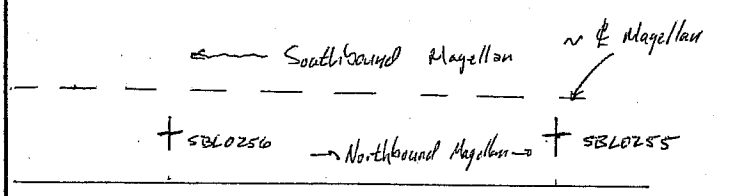
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SC	
							11	CL	
	4.0 / 1.5						12		Olive-brown silty CLAY w/ very fine SAND, damp - moist, stiff; root casts & burrows, organic streaks
					0.6		13		Decreased sand
							14		
							15		
							16		Boring completed to ~16' on 9-14-03
							7		
							8		
							9		
							0		

BY Mark Moore DATE 9-14-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... 0 40 ELEVATION N

JOB NUMBER	LOCATION
28906318.01000	NB Magellan St

DRILLING METHOD: Mari M25 DP ~~Geoprobe~~, vibratory hammer continuous core

BORING NUMBER: SBL0256

SAMPLING METHOD: 1.5" acetate liners

SHEET 1 OF 2

SURFACE CONDITIONS: ~0.2' Asphalt

DRILLING	START	FINISH
TIME	1545	1630 ~~1710~~
DATE	4-14-03	4-14-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0		
								CL	Dark olive-brown (2.5Y, 3/3) silty CLAY w/ little fine sand and gravel
							1		
					0.1	SSS01684 ~~SSS01685~~			
							2		- no gravel at ~2'
							3		- Becomes mottled w/ olive-brown (2.5Y, 4/3) sandy clay
	4.0 / 2.9						4		
							5	SM	- Cobbles/Concrete debris Dark yellowish-brown (~~2.5Y~~ 10YR, 3/6) silty very fine SAND w/ little clay
					0.1				
							6		~0.1' - lens of gravel - decreased clay to trace - Becomes dk grayish-brown (2.5Y, 4/2) increased silt, oxidized root casts
					0.3	SSS01685			
							7		
	4.0 / 2.1				0.1		8		
					0.1		9		
					0.1		10		

BY Mark Wanek DATE 4-11-03 CHECKED BY DLM

BORING LOG

LOCATION OF BORING

JOB NUMBER 289063~~57~~316.01.000

LOCATION NB Magellan St

DRILLING METHOD: Geoprobe, vibratory hammer

BORING NUMBER SBL0256

SAMPLING METHOD: 1.5" acetate sleeves, continuous core

SHEET 2 OF 2

DRILLING START TIME 1545 DATE 4-14-03 FINISH TIME 1630 DATE 4-14-03

SURFACE CONDITIONS: 0.2' Asphalt

DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

BY Mark Wiancko DATE 4-14-03 CHECKED BY DCM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
					0.1		10	SM
							11	
							12	
	4.0 / 3.1				0.1			
							13	CL
							14	
							15	
					0.1		16	
							7	
							8	
							9	
							0	

- Becomes light olive-brown (2.5Y, 5/4), increa clay, trace gravel

Olive-brown (2.5Y, 4/4) silty CLAY w/ little very fine sand, moist, stiff, root ~~burrows~~ casts
↳ burrows oxidized & black organic
↳ increased very fine sand

- Becomes sandy

Boring completed to ~16' on 4-14-03

DAMES & MOOR

BORING LOG

LOCATION OF BORING: 0 20 40 scale 1" = 40'; Dongkuk Int'l; N; Driveway; ↑ Parking lot

+ SBL0256

+ SBL0257

NB Magellan

SB Magellan

DATUM...

ELEVATION

JOB NUMBER	LOCATION
28906318.01000	NB Magellan St

DRILLING METHOD:	BORING NUMBER
~~Geoprobe~~, vibratory hammer Marl M25DP	SBL0257
SAMPLING METHOD:	SHEET
1.5" Acetate Sleeves	1 OF 2

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
~0.2' Asphalt	0751	0846
	DATE 4-15-03	DATE 4-15-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
		0751					0	A/C	Asphalt
								SC	Very dk gray (2.5Y, 3/1) clayey SAND w/ silt and little gravel, damp-moist, dense
							1		
		0805				SSS01686	2	CL	Olive-brown (2.5Y, 4/4) silty CLAY w/ very fine sand, moist, stiff
					0.0		3		
	4.0 / 2.4	0832			0.2		4		
							5		- Becomes lt olive-brown (2.5Y, 5/4), sandy
		0836			0.6	SSS01687	6		
							7	MW	
							8	SM	Olive-brown (2.5Y, 4/3) silty fine SAND w/ trace clay
	4.0 / 1.8	0837			0.2			CL	very dk gray (2.5Y, 3/1) CLAY w/ silt (sharp contact)
					1.3		9	ML	Olive-brown (2.5Y, 4/3) clayey SILT w/ very fine sand - No clay
					0.6		10	CL	(2.5Y, 5/4) Light olive-brown, silty CLAY w/ some very fine sand, root casts & burrows

BY Mark Wanek DATE 4-15-03 CHECKED BY DLM

BORING LOG

LOCATION OF BORING

DATUM... ELEVATION

DRILLING CONTRACTOR Cascade

BY Mark Wenek DATE 4-15-03 CHECKED BY DLM

JOB NUMBER	LOCATION
28906318.01000	NB Magellan St

DRILLING METHOD: Mobil M25DP, vibratory hammer

BORING NUMBER: SBL0257

SAMPLING METHOD: 1.5" acetate sleeves

SHEET: 2 OF 2

DRILLING: START TIME 0751 DATE 4-15-03; FINISH TIME 0846 DATE 4-15-03

SURFACE CONDITIONS: ~0.2' Asphalt

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
					0.6		10	CL
							11	
							12	
	4.0 / 3.8				0.2			
							13	ML
							14	
							15	
								CL
					0.4		16	
							17	
							18	
							19	
							20	

- dk brown sandy barrow ~ 0.05' thick
- Becomes sandy

Light olive-brown (2.5Y, 5/4) very fine Sandy SILT w/ trace clay, damp, dense
- Becomes little clay, oxidized root casts & organics

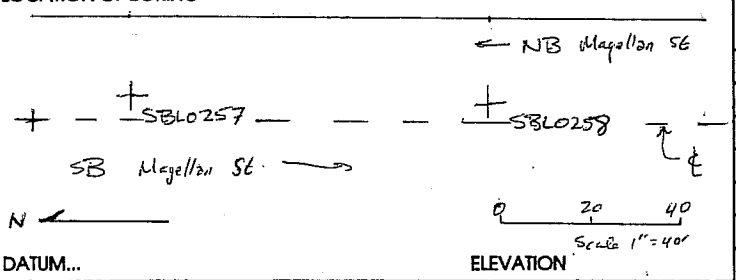
- Becomes clayey

Light olive-brown silty CLAY w/ trace very fine sand, moist, med. stiff
- Trace gravel

Boring completed to ~16' on 4-15-03

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	NB Magellan St

DRILLING METHOD:	BORING NUMBER
Mar/ 1125 DP, vibratory hammer	SBL0258
SAMPLING METHOD:	SHEET 1 OF 2
1.5" Acetate sleeves	DRILLING START TIME 0902 DATE 4-15-03 / FINISH TIME 1000 DATE 4-15-03
SURFACE CONDITIONS: 0.2' Asphalt	

DRILLING CONTRACTOR Gregg

BY Mark Arnold CHECKED BY DLM DATE 4-15-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
		0902					00	AC	Asphalt
								SM	very dk grayish-brown (2.5Y, 3/2) silty fine SAND w/ gravel (road base)
							01		
					0.2	SSS01688	02		
								CL	Dark olive-brown (2.5Y, 3/3) CLAY w/ fine sand and silty
							03		
	4.0 / 3.1	0947			0.4		04		-Becomes light olive-brown (2.5Y, 5/3), sandy
							05	SC	Dark yellowish-brown (~~2.5Y~~ 10YR, 4/6) clayey very fine-fine SAND w/ silt
					0.5				
							06		-increased clay content - ~0.3' of root casts/burrows
					0.3	SSS01689	07		-Becomes interbedded clay & clayey sand
								SM	Yellowish-brown (10YR, 5/6)
	4.0 / 3.7	0950			0.3		08		
							09	SM	Light olive brown (2.5Y, 5/4), very fine silty ~~sandy~~ SAND, ~~silt~~, root casts, clays, dense
							10		
					0.3				

BORING LOG

LOCATION OF BORING

JOB NUMBER: 28906318.01000

LOCATION: NB Magellan St

DRILLING METHOD: Mark 1425 DP vibratory hammer

BORING NUMBER: SBL0258

SAMPLING METHOD: 1.5" Acetate sleeves

SHEET: 2 OF 2

DRILLING START TIME: 0902 DATE: 4-15-03

DRILLING FINISH TIME: 1000 DATE: 4-15-03

SURFACE CONDITIONS: 0.2' Asphalt

DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

BY Mark Schaefer DATE 4-15-03 CHECKED BY DLM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	
							11		- Becomes trace clay
					0.3				
	4.0 / 1.8	0955							- Becomes clayey
							12	CL	Olive-brown (2.5Y, 4/4) very fine sandy CLAY w/ little silt, moist, stiff, root casts & burrows
					0.4				
							13		- Becomes light olive-brown (2.5Y, 5/4)
									- Becomes silty
					0.5				- Decreased sand, ~~more~~ mw
							14		
							15		
							16		
									Boring completed at ~16' on 4-15-03
							17		
							18		
							19		
							20		