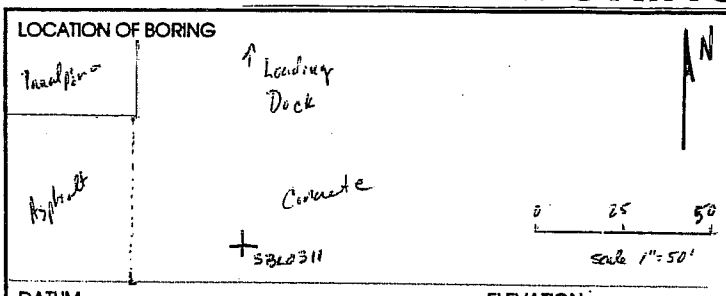
BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION (Pumalpina)
28906318.01000	APN 7351-33-37

DRILLING METHOD:	BORING NUMBER
Mark M25 vibratory hammer Hand auger	SBL0311
SAMPLING METHOD:	SHEET
1.5" acetate sleeve, cont'g core Hand auger	1 OF 1
	DRILLING
SURFACE CONDITIONS:	START TIME: 0843 DATE: 5-13-03
0.5' Concrete	FINISH TIME: 0903 DATE: 5-13-03

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
							1	CL
							2	
		0842			0.1	SSS01707		
							3	SM
		0852			239			
							4	
		0857			50.1		5	
							6	
							7	
							8	
							9	
							10	

Concrete

Brown sandy CLAY w/ gravel and trace silt

- rust stains, orange

Olive-brown silty very fine-fine SAND w/ little clay, faint to mod. diesel odor

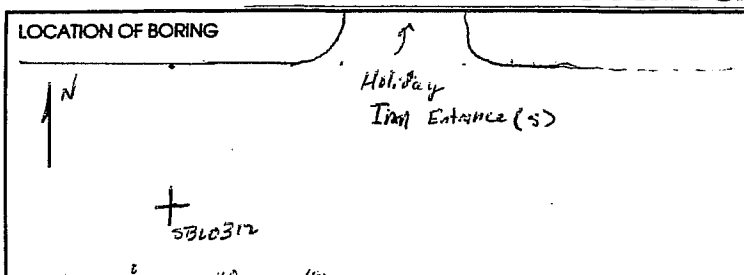
- Becomes some clay

Boring completed to @ 5.1' on 5-13-03

BY Mark Wheeler DATE 5-13-03 CHECKED BY PCM

BORING LOG

LOCATION OF BORING



JOB NUMBER	LOCATION (Philadelphia)
28906318.01000	APN 7351-33-37

DRILLING METHOD:	BORING NUMBER
Mark M25 vibratory hammer Hand Auger	SBL0312
SAMPLING METHOD:	SHEET
1.5" acetate sleeve, continuous core 2" Brass sleeve, manual drive	1 OF 1
	DRILLING
	START / FINISH
SURFACE CONDITIONS:	TIME: 0920 / 0948
0.25' Asphalt ~~Concrete~~	DATE: 5-13-03 / 5-13-03

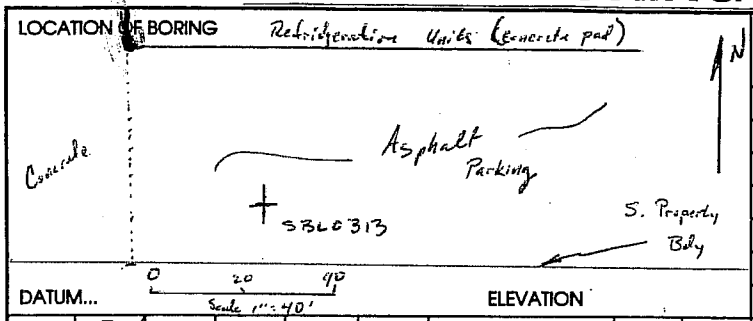
DRILLING CONTRACTOR Gregg

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
								GM	Very dark grayish-brown (10YR, 3/2) silty GRAVEL
							1		
								CL	Dark yellowish-brown (10YR, 4/6) and olive-brown CLAY w/ fine sand and silt,
		0928			0.1	SS501768	2		
							3		
		0934					4		
		0941			1.1				-Becomes olive
					1.5		5		
									Boring completed to 5.0' on 5-13-03
							6		
							7		
							8		
							9		
							10		

BY Mark Wanek DATE 5-13-03 CHECKED BY DLM

BORING LOG

LOCATION OF BORING: Refrigeration Units (concrete pad)



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	APN 7351-33-34

DRILLING METHOD:	BORING NUMBER
Marl M25 vibratory hammer Hand Auger	SBL0313
SAMPLING METHOD:	SHEET
1.5" acetate sleeves, cont's core 2" Brass sleeve, manual drive	1 OF 2

SURFACE CONDITIONS:	DRILLING START	DRILLING FINISH
0.25' Asphalt	TIME 1005	TIME 1045
	DATE 5/13/03	DATE 5/13/03

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
								SM	Very dark grayish-brown (10YR 3/2) silty fine SAND w/ gravel
							1	CL	Brown fine sandy CLAY w/ trace gravel, damp, med stiff - stiff
		1010			4.9		2		
							3		
								SM	Olive-brown silty very fine to fine SAND, moist, dense
	4.0 / 3.2	1030 ~~1026~~					4		
									~~f~~ very faint styrene-like odor
					20.7		5		- root casts faint, moderate odor, no apparent staining
							6		
					92.5		7		
	4.0 / 3.3	1036			141 ~~20.7~~		8		- ~~Odor~~ chemical odor becomes strong, root casts ~~fa~~ very faint, decreased silt
							9		
		1036			1607	SSS01769	10		

DRILLING CONTRACTOR Gregg

BY Mark Wanek DATE 5-13-03 CHECKED BY DLM

BORING LOG

LOCATION OF BORING

JOB NUMBER: 289063I8.01000

LOCATION: APN 7351-33-34

DRILLING METHOD: Mark II 25 vibratory hammer, Hand auger

BORING NUMBER: SBL0313

SAMPLING METHOD: 1.5" acetate sleeves, cont's core; 2" brass sleeve, manual drive

SHEET: 2 OF 2

DRILLING: START TIME 1005 DATE 5-13-03; FINISH TIME 1045 DATE 5-13-03

SURFACE CONDITIONS: 0.25' Asphalt

DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

BY Mark Wanek DATE 5-13-03 CHECKED BY DUM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							10	SM
					994		11	
								ML
	4.0 / 3.8	1640					12	
							13	
							14	SM
							15	
							16	
							17	
							18	
							19	
							20	

Light olive-brown gravelly SILT w/ very fine sand, mottled rust-colored root casts, moist, dense, strong VOC odor, no staining

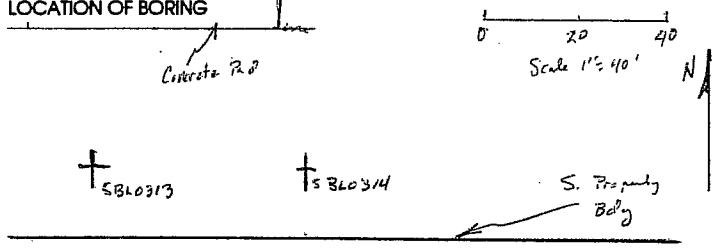
- Becomes no gravel
- Becomes sandy w/ trace clay

Olive-brown silty very fine SAND w/ trace clay, moist, dense, root casts, strong VOC odor,

Boring completed to ~16' on 5-13-03

BORING LOG

LOCATION OF BORING



JOB NUMBER	LOCATION
289063/8.01000	APN 7351-33-34

DRILLING METHOD:	BORING NUMBER
Mod M25 vibratory hammer Hand Auger	SBL0314
SAMPLING METHOD:	SHEET
1.5" acetate sleeves cont's core 2" brass sleeves	1 OF 2
	DRILLING START TIME 1100 DATE 5-13-03 / FINISH TIME 1135 DATE 5-13-03
SURFACE CONDITIONS:	
0.25' 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	
							0	A/c	Asphalt
								SM	Very dense grayish-brown (10YR 3/2) silty, med. SAND w/ gravel, moist, med. dense
							1	CL	Brown silty CLAY w/ fine sand & trace gravel, moist, stiff
		1105			57.1		2		
					31.3	SS501770		SC	Olive-brown clayey, fine SAND w/ silt, moist, dense, root casts apparent & not apparent odor or staining
							3		
	4.0 / 3.5	1128			13.0		4	SM	~~Be~~ Dark yellowish-brown (10YR 4/6) silty fine to SAND w/ trace clay, moist, dense root casts apparent
							5		
					15.3		6		-Becomes decreased silt, lighter yellowish-brown (10YR 3/6), faint chem. odor
							7		
					2.2				
									to light
	4.0 / 2.8	1132			32.1		8		-Becomes Olive-brown, moderate chem. odor
							9		- Becomes Olive from 9.4-9.8 - Becomes little silt, fine-med. grained, loose-med dense
					28.8		10		

BY Mark Wanek DATE 5-13-03 CHECKED BY DLM

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351-33-34

DRILLING METHOD:	BORING NUMBER
Marl M25 vibratory hammer Hand Auger	SBL0314
SAMPLING METHOD:	SHEET
1.5" Acetate liner, ct's can 2" Brass sleeve, manual drive	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.25' Asphalt	1100	1135
	DATE 5-13-03	DATE 5-13-03

DRILLING CONTRACTOR Gregg

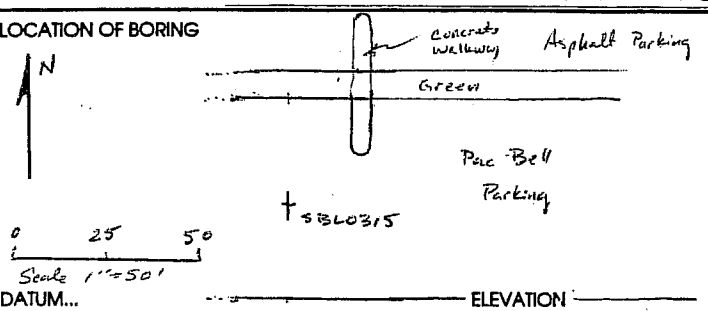
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	- Becomes some silt, darker olive-brown
					16.7		11		
							12		- Becomes light olive-brown, silty, very fine ~~SAND~~ sand, root casts, dense, moderate chem odor
	4.0 / 3.2	1134							
							13	ML	light olive-brown very fine sandy SILT, moist, dense, root casts
					35.9				- Gypsum inclusion
							14		- olive-gray clayey inclusions, decreased sand
					35.9		15		
							16		Boring completed to ~16' on 5-13-03
							17		
							18		
							19		
							20		

BY Mark Wauck CHECKED BY DLM

DATE 5-13-03

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION (Pac Bell)
28906318.01000	APN 7351-33-20

DRILLING METHOD:	BORING NUMBER
~~Mart M25 vibrating hammer~~ Hand Auger	SBL0315
SAMPLING METHOD:	SHEET
~~Mart # 1.5" acetate sleeves, cts are~~ 2" brass sleeve	1 OF 1

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.25' Asphalt	1300	1315
	DATE 5-13-03	DATE 5-13-03

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	Dark yellowish-brown (10YR, 4/6) ~~sandy~~ and brown sandy CLAY w/ trace silt and ~~trace~~ gravel
							1		
		1305			9.9	SSS01771	2		
							3		-Becomes brown to olive-brown, decreased sand
		1310			3.5				
							4		-Becomes brown and dish red-brown
		1315			2.4		5		
									Boring completed to 4.9' on 5-13-03
							6		
							7		
							8		
							9		
							10		

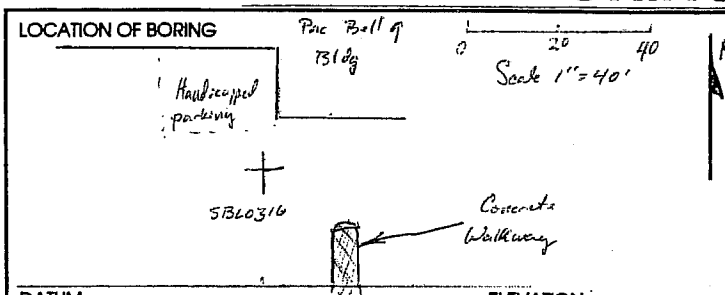
DRILLING CONTRACTOR Gregg

BY Mark Wauck CHECKED BY DLM

DATE 5-13-03

BORING LOG

LOCATION OF BORING



DATUM... Green ELEVATION

JOB NUMBER	LOCATION (Pac Bell)
28906318.01000	APN 7351-33-20

DRILLING METHOD:	BORING NUMBER
Hand Auger	SBL0316
SAMPLING METHOD:	SHEET
2" Brass Sleeves / manual drive	1 OF 1
	DRILLING

SURFACE CONDITIONS:	START TIME	FINISH TIME
0.35' Asphalt	1340	1355
	START DATE	FINISH DATE
	5-13-03	5-13-03

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
								SC
							1	
		1341			2.3	SSS01772	2	
		1344			2.0			
							3	
							4	
		1353			1.7		5	
							6	
							7	
							8	
							9	
							10	

A/C Asphalt

SC Olive-brown clay and brown clayey fine SAND w/ silt and trace gravel

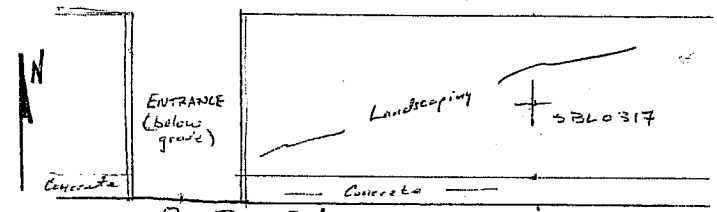
~Becomes olive-brown

Boring completed to 5.1' on 5-13-03

BY Mark Wanek DATE 5-13-03 CHECKED BY DLM

BORING LOG

LOCATION OF BORING — Asphalt Parking — 0 10 ~~45~~ 20



DATUM... Pac Bell Bldg — ELEVATION

JOB NUMBER	LOCATION (Pac Bell)
28906318.01000	APN 7351-33-20

DRILLING METHOD:	BORING NUMBER
Hand auger	SBL0317
SAMPLING METHOD:	SHEET
2" Brass sleeve/manual drive	1 OF 1
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME: 1413 ~~1529~~ / 1430 ~~1556~~
Grass	DATE: 5.13.03 / 5.13.03

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	SC
						SS01773	1	
		1415 ~~1526~~			2.6		2	
		~~1537~~					3	
		1425			0.4		4	
							5	
							6	
							7	
							8	
							9	
							10	

Brown clayey fine SAND, wet, Med. dense.

- Becomes dark yellowish-brown

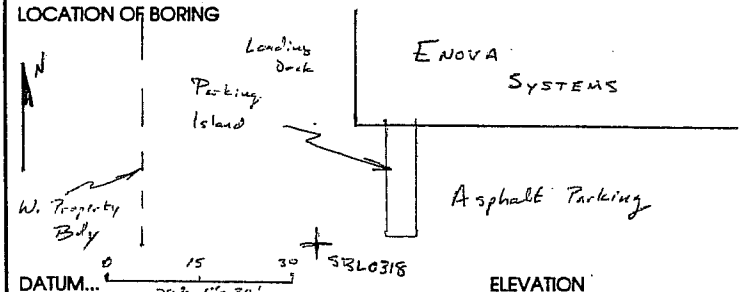
- Becomes brown

Boring Completed to 5.0' on 5-13-03

BY Mark Wenek DATE 5-13-03 CHECKED BY PLM

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	APN 7351

DRILLING METHOD:	BORING NUMBER
~~Mart~~ Hand Auger Marl M25 vibratory hammer	SBL0318
SAMPLING METHOD:	SHEET
2" Brass sleeves/manual drive 1.5" acetate sleeves/continuous core	1 OF 2

SURFACE CONDITIONS:	DRILLING START	DRILLING FINISH
0.25' Asphalt	TIME 1525	TIME 1550
	DATE 5-13-03	DATE 5-13-03

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	Brown silty CLAY w/ trace very fine & fine ~~sand~~ sand
							1		
		1526			2.6	SSS01774	2		
							3		
								SM	Olive-brown silty fine SAND w/ trace clay, moist, dense, ~~root coats~~
	4.0 / 4.0	1538					4		
					0.1		5		- Root coats apparent
					0.1		6		
		1538			0.3	SSS01775	7		
	4.0 / 3.7	1540			1.1		8		
							9		- Gypsum inclusion - Becomes olive, very fine sand, increased silt
					1.7		10		- Becomes olive-brown, gypsum inclusions

BY Mark Wanek CHECKED BY DLM

DATE 5-13-03

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351-

DRILLING METHOD:	BORING NUMBER
Mad M25 vibrating hammer Hand Auger	SBL0318
SAMPLING METHOD:	SHEET
2" Brass sleeve/ ~~cast~~ manual dia. 1.5" acetate liners / continuous core	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.25' Asphalt	1525	1550
	DATE 5-13-03	DATE 5-13-03

DRILLING CONTRACTOR Gregg

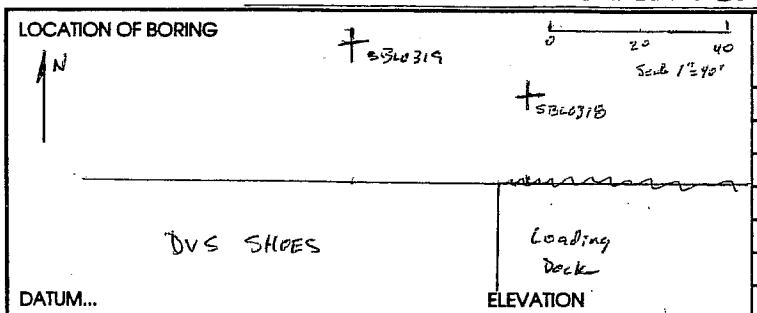
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	
							11		
					0.1			ML	~~Olive~~ light olive-brown sandy SILT w/ some gravel, moist, dense, root casts prominent
	4.0 / 3.3	1545			0.1		12		
							13		- Becomes increased sand
							14	SM	- Becomes olive-brown w/ trace clay Olive-brown silty very fine SAND w/ trace clay gypsum inclusions
					0.8				
					0.6		15		
							16		Boring completed to ~16' on 5-13-03
							17		
							18		
							19		
							20		

BY Mark Wanek CHECKED BY [signature]

DATE 5-13-03

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION

JOB NUMBER	LOCATION (DVS Shoes)
28906318.01000	APN 7351-34-65

DRILLING METHOD:	BORING NUMBER
~~Mart~~ Hand Auger to 5.2' Mart M25 vibrating hammer	SBL0319
SAMPLING METHOD:	SHEET 1 OF 2
2" Brass sleeve / manual drive 1.5" Acetate liner, cuts core	DRILLING START TIME 1600 DATE 5.13.03 / FINISH TIME 1620 DATE 5.13.03
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	
							0	A/C	
								SH	Very dark grayish-brown (10YR, 3/2) silty fine SAND w/ gravel, moist, loose - med. dense
							1		
		1601			1.2	SSS01776	2	SC	Brown (10YR 3/3) + dark yellowish-brown (10YR, 4/6) clayey fine SAND w/ silt & trace gravel
							3		
	4.0 / 3.3	1613					4	SM	Dark brown (10YR,) + dark yellowish-brown (10YR 4/6) silty fine SAND w/ little clay
					1.2		5		
					0.5			SW	Yellowish-brown very fine-coarse SAND; wet, loose (fill?)
							6	SM	Olive-brown (2.5Y,) silty very fine-fine SAND, moist, dense; gypsum inclusions, root casts
		1613			0.5	SSS01777	7		→ Becomes light olive-brown (2.5Y,) gravelly w/ increased silt
	4.0 / 3.8	1616			0.1		8		
							9		~~Becomes~~ w/ clay
					0.2		10		- Cobbles to ~0.1' diam

BY Mark Wanek CHECKED BY [signature]

DATE 5-13-03

BORING LOG

LOCATION OF BORING

DATUM... ELEVATION

DRILLING CONTRACTOR Cregg

BY Mark Wanek CHECKED BY DCM

DATE 5-13-03

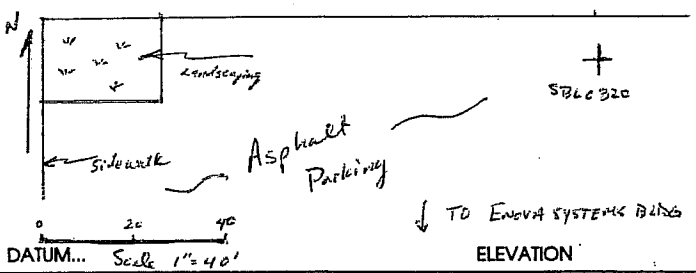
JOB NUMBER	LOCATION
28906318.01000	APN 7351-34-65 (DVS shown)

DRILLING METHOD:	BORING NUMBER
Hand Auger to 5.2' Mori M25 vibratory hammer	SBL0319
SAMPLING METHOD:	SHEET 2 OF 2
2" Brass sleeves / manual drive 1.5" acetate liners / continuous core	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME: 1600 / 1620
0.3' Asphalt	DATE: 5-13-03 / 5-13-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	Becomes olive-brown (2.5Y, 4/4) no gravel or gypsum, root casts
					0.1		11		
	4.0 / 3.8	1618			0.5		12	CL	Olive-brown CLAY w/ trace - Becomes sandy
							13	SM	Olive-brown silty very fine SAND, damp w/ trace clay, moist, dense, root casts
					0.1		14		- root casts prominent
							15		- trace gravel
					0.1		16		- Becomes mottled w/ rust color, gypsum increased silt
							17		Boring completed to ~16' on 5-13-03
							18		
							19		
							20		

BORING LOG

LOCATION OF BORING



DATUM... Scale 1"=40'

ELEVATION

JOB NUMBER	LOCATION (ENOVA)
28906318.01000	APN 7351-34-65

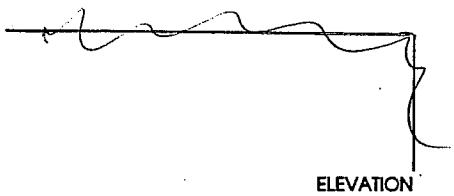
DRILLING METHOD:	BORING NUMBER
Hand auger to 5.1' Mari 1025 vibratory hammer	SBL0320
SAMPLING METHOD:	SHEET 1 OF 2
1.5" Acetate sleeve, continuous core 2" brass sleeve/Manuel drive	DRILLING START TIME 0725 DATE 5-14-03 / FINISH TIME 0800 DATE 5-14-03
SURFACE CONDITIONS: 0.3' Asphalt	

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	A/C	Asphalt
								SC	~~Tr~~ Dark yellowish-brown (10 YR, 4/4) clayey SAND, moist, dense (SC)
							1		
		0731			0.0	SSS01778	2		
							3		
							4		
	4.0 / 3.4	0747							
					0.1		5		- Root casts appa. ≡ (faint)
					0.1		6		
							7	SM	Dark yellowish-brown (10 YR, 4/4) silty very fine to fine SAND, moist dense, (SM)
					0.1				
	4.0 / 3.9	0750			0.1		8		- Becomes med. dense - Becomes dense, root casts
							9		
					0.1		10		- Becomes light olive-brown (2.5Y, 5/6) ~~little~~ trace clay, gypsum

BY Mark Wanek DATE 5-14-03 CHECKED BY DLM

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION (ENOVA)
	28906318.01000	APN 7351-34-~~69~~ 65

DATUM... ELEVATION

DRILLING METHOD:	BORING NUMBER
Hand Auger to 5.1'	SBL0320
Mari M25 vibrating hammer	
SAMPLING METHOD:	**SHEET**
2.5" Acetate sleeves, cont's core	2 OF 2
2" Brass sleeve / manual driver	

SURFACE CONDITIONS:	DRILLING START	DRILLING FINISH
	TIME 0725	TIME 0800
0.3' Asphalt	DATE 5-14-03	DATE 5-14-03

DRILLING CONTRACTOR Gregg

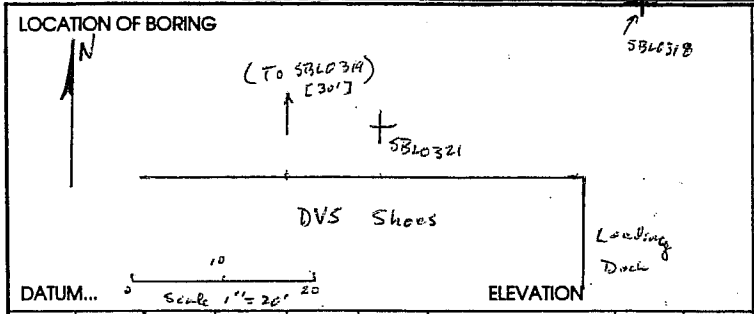
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	
									- Becomes no clay
							11		- Becomes little clay
					0.1		12		
	4.0 / 3.8	0756			0.1				
									- Gravel from 12.7-12.9'
							13	SC	Light olive-brown (2.5Y, 5/4) clayey fine SAND w/ silt, moist, dense, root casts prominent some gypsum
					0.1		14		
									- Roots casts very prominent
							15		
					0.1		16		
									Boring completed to ~16' on 5-14-03
							17		
							18		
							19		
							20		

BY Mark Wanek CHECKED BY DLW

DATE 5-14-03

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION (DVS Shoes)
28906318.01000	APN 7351-34-65

DRILLING METHOD:	BORING NUMBER
Hand Auger to 5.2'	
Mar1 M25 Vibrating hammer	SBL0321
SAMPLING METHOD:	SHEET
1.5" acetate sleeves, cont's core	1 OF 2
2" Brass sleeve, manual drive	DRILLING

SURFACE CONDITIONS:	START	FINISH
0.3' Asphalt	TIME 0825	TIME 0855
	DATE 5-14-03	DATE 5-14-03

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	A/C	Asphalt
								CL	Dark brown (10 YR 3/3) silty CLAY w/ fine sand and trace gravel; moist, stiff
							1		- Becomes some gravel
		0826			0.1		2		
							3		- Large rock
								SC	Light olive-brown (2.5Y, 5/4) clayey fine SAND w/ silt, moist, dense
	4.0 / 3.7	0846			9.6 ~~31.6~~		4		
							5		- Decreased clay
									- Becomes increased silt, gypsum inclusions
							6	SM	Light olive-brown (2.5Y, 5/4) silty fine SAND w/ little clay, moist, dense, root casts
					10.1				- large root casts (~0.2' long), root particles
							7		
					0.1				- Becomes gravelly (chert gravel) from 7.5-7.7'
	4.0 / 3.8	0850			61.3		8		- Becomes no clay
						SSS01779	9		
									- Becomes gravelly from ~9.4-9.7' (chert gravel)
					1.9		10		- Becomes little clay

BY Mark Wenck CHECKED BY DLW

DATE 5-14-03

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351-34-65

DRILLING METHOD:	BORING NUMBER
Hand Auger to 5.2'	
~~X~~ Mar1 M25 vibratory hammer	SBL0321
SAMPLING METHOD:	**SHEET**
1.5" acetate liners / conts core	2 OF 2
2" Brass sleeve / manual drive	

DRILLING	START	FINISH
TIME	0825	0855
DATE	5-14-03	5-14-03

DATUM... ELEVATION

SURFACE CONDITIONS: 0.3' Asphalt

DRILLING CONTRACTOR Gregg

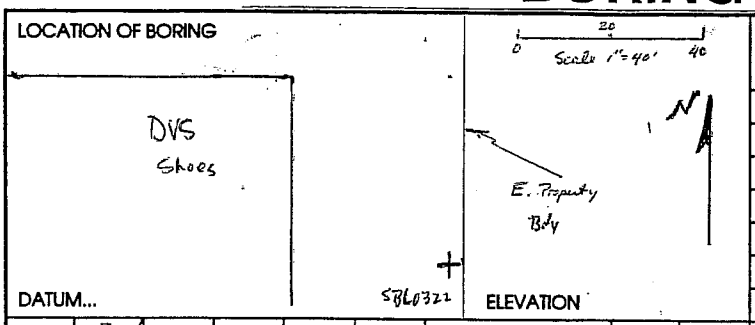
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
								~~SC~~ SM	
							10		- Trace gravel
									- Becomes trace clay, root casts prominent
							11		
					20.3				
	4.0 / 3.8	0853			2.4		12		- Becomes gravelly from 12.5 - 12.7
								SC	
							13		olive-brown (2.5Y, 4/3) clayey ~~to~~ fine SAND w/ some silt, moist, dense, root casts prominent,
					0.5				
							14		- Mottled w/ little gypsum
							15		- Trace gravel
					4.6				
							16		Boring completed to ~16' on 5-14-03
							17		
							18		
							19		
							20		

BY Mark Wanek CHECKED BY DLW

DATE 5-14-03

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION

JOB NUMBER	LOCATION (DVS Shoes)
28906318.01000	APN 7351-34-65

DRILLING METHOD:	BORING NUMBER
Hand Auger to 6.0'	SBL0322
Mari M25 vibrating hammer	
SAMPLING METHOD:	**SHEET**
1.5" acetate sleeve / continuous core	1 OF 2
2" brass sleeve / manual drive	

SURFACE CONDITIONS:	DRILLING START	DRILLING FINISH
0.3' Asphalt	TIME 0925	TIME 1006
	DATE 5-14-03	DATE 5-14-03

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	A/C	
								CL	Very dark grayish-brown (10 YR. 3/2) and olive-brown (2.5Y, 4/3) CLAY w/ trace silt and very fine sand, damp, very stiff
							1		
		0930 ~~0.8~~			0.8	SSS01780	2		
							3		
	4.0 / 3.7	0954					4	SM	yellowish-brown (10YR, 5/4) silty very fine-fine SAND w/ some clay, moist, med. dense
							5		
					0.3		6		- Root casts prominent
					0.1		7	drive	
						SSS01781			- Becomes olive-brown (2.5Y, 4/4), trace clay
					0.4		8		
	4.0 / 3.3	0957			0.1				root casts faint, no clay ~~Becomes~~
							9		
					0.1		10		- Pale yellow (2.5Y, 7/3) gravelly silt from 10.2-10.5

BY Mark Wanek CHECKED BY DLM

DATE 5-14-03

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION (DVS shoes)
	28906318.01000	APN 7351-34-65

DRILLING METHOD:	BORING NUMBER
Hand auger to 6.0'	SBL0322
Marl M25 vibrating hammer	
SAMPLING METHOD:	**SHEET**
1.5" acetate sleeves, continuous core	2 OF 2
2" brass sleeves, manual drive	

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.3' Asphalt	0725	1006
	DATE 5-14-03	DATE 5-14-03

DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

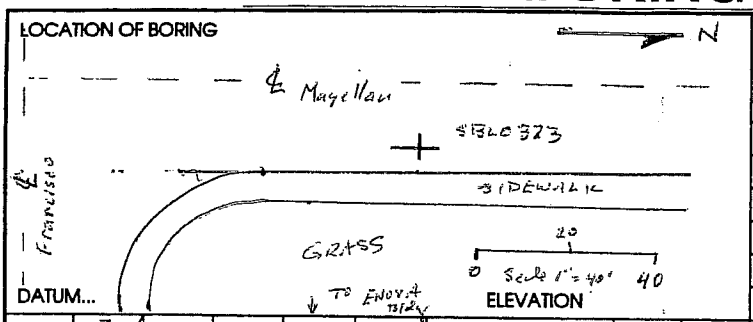
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	- Pale yellow (2.5Y, 7/3) gravelly silt from 20.2-10.5'
							11		- Becomes light olive-brown (2.5Y, 5/4) w/ some clay
					0.1				Trace gravel
							12	SC	Light olive-brown (2.5Y, 5/4) clayey fine SAND w/ silt, moist, dense, root casts
	4.0 / 3.1	1000			0.1				
							13		
					0.1		14		Becomes - trace gravel
					0.1		15		- Root casts faint
							16		Boring completed to ~16' on 5-14-03
							17		
							18		
							19		
							20		

BY Mark Wanek CHECKED BY DLM

DATE 5-14-03

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION (ENOVA)
289063 18.01000	APN 7351-34-65

DRILLING METHOD:	BORING NUMBER
Hand auger to 4.5'	SBLO323
Mari M25 vibratory hammer	
SAMPLING METHOD:	SHEET
1.5" acetate sleeve, continuous	1 OF 2
2" Brass sleeve / manual drive	DRILLING START TIME 1025 DATE 5-15-03 / FINISH TIME 1100 DATE 5-15-03
SURFACE CONDITIONS:	
0.5' 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	
							0	A/C	
							1	GM	
		1020			0.1		2	CL	Dark yellowish-brown (10YR, 4/4) sandy CLAY w/ silt, moist, stiff
							3		-Becomes trace gravel
	4.0 / 3.8	1047			10.5	SS501794	4	SM	-Becomes olive-gray (5Y, 4/2), petrochemical odor & staining; Moderate silty fine SAND w/ little clay & trace gravel
							5		-Becomes olive-brown (2.5Y, 4/3) w/ gray med. Sand inclusions, some gravel
							6		-Becomes trace clay -Becomes olive-gray (5Y, 4/2)
					5.2		7		-Becomes dark yellowish-brown (10YR, 4/4), little or no a -Becomes strong brown (7.5YR, 4/6)
							8	CL	strong brown (7.5YR 4/6) sandy CLAY w/ silt, moist, med. stiff -Becomes olive-brown (2.5Y, 4/3)
					1.0		9		
	4.0 / 3.7	1054			0.1				-Becomes darker (2.5Y, 4/4), root casts appear
					0.1		10		

BY Mark Wineh DATE 5-15-03 CHECKED BY DLM

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	ENOVA APN 7351-34-65

DRILLING METHOD:	BORING NUMBER
Hand auger to 4.5' Marl M25 vibratory hammer	SBL0323
SAMPLING METHOD:	**SHEET**
1.5" acetate sleeves, continuous core 2" Brass sleeve / manual drive	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.5' asphalt	1025	1100
	DATE 5-15-03	DATE 5-15-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	CL	
									- Becomes gravelly
							11	SM-	~~Becomes~~ Light olive-brown (2.5Y, 5/3) silty very fine SAND, ~~root~~ moist, very dense, faint root casts
					0.1		12		
	4.0/3.0	1056			0.1		13		- Becomes increased silt
					0.1		14		
					1.8		15		
							16		
							17		Boring completed to ~16.5' on 5-15-03
							18		
							19		
							20		

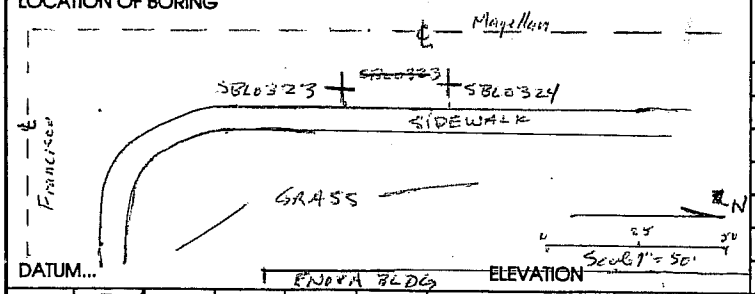
BY Mark Wanek CHECKED BY DLW

DATE 5-15-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ENOVA BLDG ELEVATION

JOB NUMBER	LOCATION (ENOVA)
~~289735~~ 28906318.01000	APN 7351-34-#65

DRILLING METHOD:	BORING NUMBER
Hand auger to 3.0'	SBL0324
Marl M25 vibratory hammer	
SAMPLING METHOD:	**SHEET**
1.5" acetate sleeves	1 OF 2
2" Brass sleeve/manual drive	

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.5' asphalt	1115	1215
	DATE 5-15-03	DATE 5-15-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	A/C	Asphalt
							1	SM	Very dark grayish-brown (10YR 3/2) silty fine-med SAND w/ gravel & trace clay
		1117			0.4		2	CL	Olive-brown (2.5Y, 4/3) and very dark grayish-brown (2.5Y, 3/2) CLAY w/ sand and ~~trace~~ some gravel
	4.0 / 3.0	1159			8.8		3	SC	Olive-brown ~~and~~ (2.5Y, 4/3) ~~and~~ clayey, very fine SAND w/ trace gravel, moist, dense, petrochem. odor
					11.3		4	SM	Dark olive-gray (5Y, 3/2) silty, very fine SAND ~~mod~~ moist, med. dense, moderate odor & staining
					11.8	SSS01795	5		
	4.0 / 3.6	1204			4.1		6		
							7		- Becomes olive (5Y, 4/3)
							8		L Becomes dark olive-gray (5Y, 3/2)
					12.0		9		- Trace gravel from 8.9-9.0
									L Trace gravel from 9.5-9.6
							10		Increased silt, gypsum
					2.8				L Gravelly from 10.3-10.5

BY Mark Wanek CHECKED BY DLM

DATE 5-15-03

BORING LOG

LOCATION OF BORING

JOB NUMBER	LOCATION
28906318.01000	APN 7351-34-65

DRILLING METHOD: Hand auger to 3.0'; Mark M25 vibratory hammer

BORING NUMBER: SB10324

SAMPLING METHOD: 1.5" acetate sleeves, continuous core; 2" lexan sleeves, manual drive

SHEET: 2 OF 2

DRILLING: START TIME 1115 DATE 5-15-03; FINISH TIME 1215 DATE 5-15-03

SURFACE CONDITIONS: 0.5' Asphalt

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
					2.8			
	4.0 / 3.8	1209			2.7		11	CL
							12	
					2.4		13	
							14	
					10.0		15	
							16	
							17	
							18	
							19	
							20	

Dark olive-gray (5Y, 3/2) CLAY w/ silt and little very fine sand, moist, med. stiff, slight odor, mod. staining.

- Trace gravel, gypsum

- Becomes olive-gray (5Y, 4/2)
- 0.1' gravelly clay

Boring completed to ~15' on 5-15-03

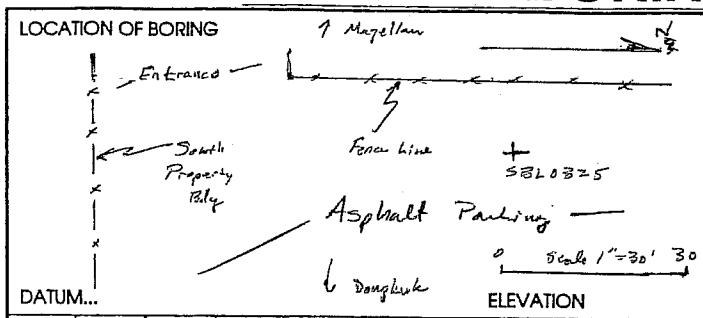
BY Mark Wenck CHECKED BY DLM

DATE 5-15-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	28906318.01000
LOCATION	(Dongkuk) APN 7351-34-64
DRILLING METHOD:	Hand auger to 5.7' Mari M25 vibratory hammer
BORING NUMBER	SBL0325
SAMPLING METHOD:	2" Brass sleeve / manual drive 1.5" acetate liner, continuous core
SHEET	1 OF 2
SURFACE CONDITIONS:	0.3' Asphalt
DRILLING START TIME	1215
DRILLING FINISH TIME	1250
DATE	5-14-03
DATE	5-14-03

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	A/C	Asphalt
								CL	Very dark grayish-brown (10YR, 3/2) sandy CLAY w/ ~~silt~~ little silt, moist,
		1220			0.1	SSS01782	2		
	4.0 / 3.8	1239			0.1		4		- Becomes dark yellowish-brown (10YR, 4/4)
							5		- Brick fragments - Becomes increased sand, fine-med. grained
					0.5		6		
					0.1	SSS01783	7	SC	Dark yellowish-brown (10YR, 4/4) clayey very fine SAND, ~~wet~~ moist, med. dense
	4.0 / 3.1	1245 ~~1239~~			0.2		8		
								SM	Olive-brown (2.5Y, 4/4) silty fine SAND moist, dense, faint root casts
					0.9		9		
							10		- Becomes gravelly from 10.1 - 10.3 feet

BY Mark Wanek CHECKED BY DLM

DATE 5-14-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER: 28906318.01000

LOCATION (Dongkuk): APN 7351 - 34 - 004

DRILLING METHOD: Hand Auger to 5.7'; Mar/ MZ5 vibratory hammer

BORING NUMBER: SBL0325 SBL0235

SAMPLING METHOD: 1.5" acetate sleeves, cont's core; 2" Brass sleeves / manual drive

SHEET: 2 OF 2

DRILLING: START TIME 1215, FINISH TIME 1250; START DATE 5-14-03, FINISH DATE 5-14-03

SURFACE CONDITIONS: 0.3' Asphalt

DATUM... ELEVATION

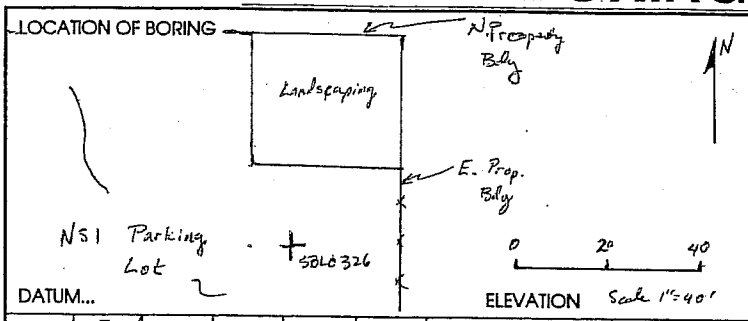
DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	
					0.7		11	CL	Light olive-brown (2.5Y, 5/4) SM silty CLAY w/ some very fine SAND
								SM	
	4.0 / 2.8	1248			2.0		12		Olive-brown (2.5Y, 4/4) silty very fine SAND, moist med. dense
							13		
					0.2				
							14		Becomes - Trace gravel
					0.4				- root casts prominent
							15		
							16		Boring completed to ~16' on 5.14.03
							17		
							18		
							19		
							20		

BY Mark Wanek DATE 5-14-03 CHECKED BY Dan

DAMES & MOORE

BORING LOG



JOB NUMBER	LOCATION (NS1)
28906318.01000	APN 7351-34-76

DRILLING METHOD:	BORING NUMBER
Hand Auger to 5.3'	
Mart MZ5, vibratory hammer	SBL0326
SAMPLING METHOD:	SHEET
1.5" Acetate liners, continuous core	1 OF 2
2" Brass sleeve / manual drive	DRILLING

SURFACE CONDITIONS:	START TIME	FINISH TIME
0.45' Asphalt	1450	1520
	DATE	DATE
	5-14-03	5-14-03

DRILLING CONTRACTOR Gregg

BY Mark Wenek DATE 5-14-03 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	A/C	Asphalt
							1	CL MW SM	~~Grayish-b~~ mw Yellowish-brown (10YR 5/4) and light brownish-gray (10YR 6/2) silty fine sand w/ trace clay, moist, med. dense
							2	CL	dark Dark grayish-brown (10YR 4/2) and yellowish-brown (10YR 4/6) CLAY w/ fine sand & some silt, moist, soft
		1456			0.4	SSS01784			
	4.0/3.7	1510			mw		3		
							4		
							5		
					0.2		6		
							7		
					1.3	SSS01785			
					0.5		8		
	4.0/3.7	1513			1.2				
							9		
					0.3			SM	Light olive-brown (2.5Y, 5/4) silty very fine SAND, moist, dense, faint root casts
							10		
					1.2				

BORING LOG

LOCATION OF BORING

DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.010000	APN 7351-34-76

DRILLING METHOD:	BORING NUMBER
Hand Auger to 5.3' Mart 1425 vibratory hammer	SBL0326
SAMPLING METHOD:	SHEET 2 OF 2
1.5" acetate sleeves, 2" brass sleeve / manual drive	DRILLING START TIME 1450 DATE 5-14-03; FINISH TIME 1520 DATE 5-14-03
SURFACE CONDITIONS: 0.45' Asphalt	

DRILLING CONTRACTOR Gregg

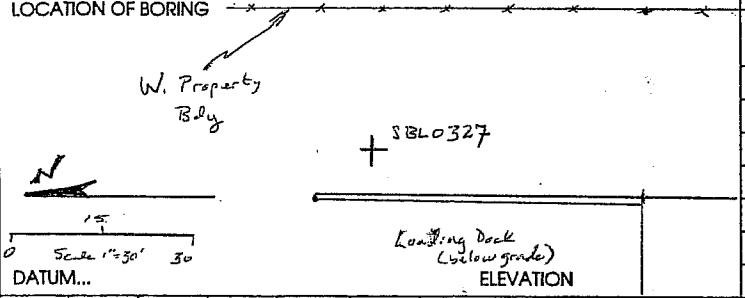
BY Mark Wanek DATE 5-14-03 CHECKED BY DLM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
								SM	
					1.2		10		
							11		
	4.0 / 2.4	1516			0.1		12		- Becomes trace clay
									- Trace ~~clay~~ gravel, diminished bioturbation
							13		
									Becomes
									- Trace gravels, increased bioturbation
					0.2		14		
							15		
							16		Boring completed to ~16' on 5-14-03.
							17		
							18		
							19		
							20		

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	(NSI) APN 7351-34-76

DRILLING METHOD:	BORING NUMBER
Hand Auger to 5.2' Mari M25 vibratory hammer	SBL0327
SAMPLING METHOD:	SHEET
1.5" acetate liners / continuous core 2" Brass sleeve / manual drive	1 OF 2
	DRILLING START TIME 1525 DATE 5-14-03 / FINISH TIME 1645 DATE 5-14-03
SURFACE CONDITIONS: 0.3' Asphalt	

DRILLING CONTRACTOR Gregg

BY Mark Lukert CHECKED BY DLM DATE 5-14-03

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
							1	CL	Very dk brown (10YR,) and brown (10YR,) silty CLAY w/ little fine sand, moist, stiff
						MW	2		- Becomes some fine sand,
		1530			0.5	SS501786			
	4.0 / 3.7	1632					3		
					0.6		4		
					1.6		5	SM	Dark yellowish-brown (10YR 4/6) silty fine SAND moist, dense - very dense, faint root casts, gypsum
					0.3	SS501787	6		
	4.0 / 3.8	1634			0.1		7		
							8	SP	Yellowish-brown (10YR, 5/8) fine SAND w/ trace silt, moist, loose - med. dense
							9		
							10	SM	(sharp contact) Dark greyish-brown (10YR, 4/2) silty very fine - fine sand, moist, very dense, heavily bioturbated
					1.0 MW				

DAMES & MOORE

BORING LOG

LOCATION OF BORING

DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

BY Mark Wanek CHECKED BY DMM

DATE 5-14-03

JOB NUMBER	LOCATION (NSI)
28906318.01000	APN 7351-34-76

DRILLING METHOD:	BORING NUMBER
Hand Auger to 5.2'	
Mobil M25 vibratory hammer	SBL0327
SAMPLING METHOD:	SHEET
1.5" acetate sleeves, continuous core	2 OF 2
2" Brass sleeve, manual drive	DRILLING

SURFACE CONDITIONS:	START TIME	FINISH TIME
0.3' Asphalt	1525	1645
	DATE	DATE
	5-14-03	5-14-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							10	SM
							11	
					1.0		12	
	4.0 / 3.2	1640			0.4			
							13	
							14	
					0.1		15	
							16	
							17	
							18	
							19	
							20	

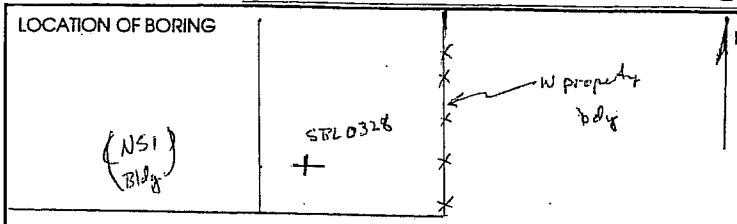
- trace gypsum
- Becomes brown (7.5Y, 4/3) w/ some clay
- decreased bioturbation

Boring completed to ~16' on 5-14-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... 0 30 ELEVATION

JOB NUMBER	28906318.01000
LOCATION	(NSI) APN 7351-34-76
DRILLING METHOD:	Hand auger to 5.0' Mari M25 vibratory hammer
BORING NUMBER	SBL0328
SAMPLING METHOD:	1.5" acetate sleeves, cont. core 2" brass sleeve / ~~Dpt~~ manual drive
SHEET	1 OF 2
SURFACE CONDITIONS:	0.3' Asphalt
DRILLING START TIME	1650
DRILLING FINISH TIME	1715
DRILLING START DATE	5-14-03
DRILLING FINISH DATE	5-14-03

DRILLING CONTRACTOR Gregg

BY Mark Wample DATE 5-15-14-03 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	A/C	Asphalt
								CL	Brown & dark brown CLAY w/ some silt and fine sand
							1		
							2		
		1650			0.1	55501788			
							3		
							4		
	4.0 / 3.7	1704							
					0.1		5		
								SM	(sharp contact)
					0.1		6		Yellowish-brown (10YR, 5/4) silty very fine SAND with trace clay, moist, dense; root casts
							7		-Becomes no clay
						55501789			
					0.1				
	4.0 / 3.3	1708			0.1		8		-Becomes olive-brown (2.5Y, 4/4), trace clay
							9		-gypsum inclusions
					0.2				
							10		bio- -no gypsum, heavily turbated

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER: 28906318.01000

LOCATION (NSI): APN 7351-54-76

DRILLING METHOD: Hand auger to 5.0'; Mod M25 vibratory hammer

BORING NUMBER: SB20328

SAMPLING METHOD: 1.5" acetate sleeves, cts core; 2" Brass sleeves / Mangeldrive

SHEET: 2 OF 2

DRILLING: START TIME 1650, DATE 5-14-03; FINISH TIME 1715, DATE 5-14-03

SURFACE CONDITIONS: 0.3' 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	SM
							11	
					0.1			
							12	
	4.0 / 3.0	1712			0.1			
							13	
					0.1			
							14	
					0.1			
							15	
							16	
							17	
							18	
							19	
							20	

- 0.1' of light yellowish-brown (10YR, 6/4) silty gravel
- root casts faint, decreased silt

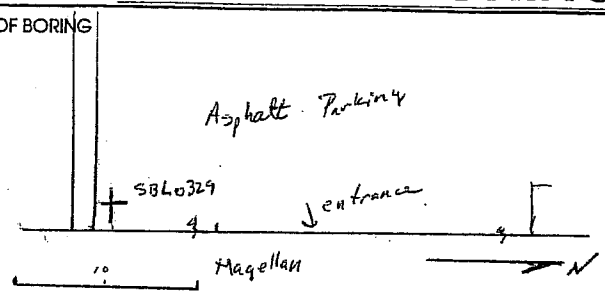
Boring Completed to ~16' on 5-15-03

BY Mark Wheet DATE 5-14-03 CHECKED BY DCM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION (19831 Magellan - Prentiss)
28906318.01000	APN 7351-34-45

DRILLING METHOD:	BORING NUMBER
Hand auger to 5.1'	SBL0329
Mar 1 M25 vibratory hammer	
SAMPLING METHOD:	SHEET 1 OF 2
1.5" acetate sleeves / cont's core	
2" Brass sleeve / Manual drive	

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.25' Asphalt	0740	0815
	DATE 5-15-03	DATE 5-15-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	A/C	Asphalt
								CL	Dark yellowish-brown (10YR 4/4) CLAY w/ little silt & trace fine sand ~~to~~ and gravel, moist, stiff
		0744			0.1	SSS01790	1		
							2		- Cobbles to 0.1' diam.
								SC	Dark yellowish brown (10YR 4/6) ~~Sa~~ clayey fine SAND, moist, med. dense
							3		
	4.0 / 3.8	0804					4		
					0.1		5		- Becomes light olive-brown (2.5Y, 5/4), root casts apparent
								SM	Light olive-brown (2.5Y, 5/4) silty very fine SAND w/ trace clay, moist, dense, faint root casts
					0.1		6		
						SSS01791	7		
					0.2				
	4.0 / 3.0	0806			0.1		8		- Becomes yellowish-brown (10YR 5/4), slight gypsum
							9		- Becomes little silt, trace gravel, med. dense
					0.1		10		

BY Mark Wanek CHECKED BY [illegible]
DATE 5-15-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING

DATUM...

ELEVATION

JOB NUMBER: 28906318.01000

LOCATION: Prentiss APN 7351-34-45

DRILLING METHOD: Hand auger to 5.1' Mari M25 vibratory hammer

BORING NUMBER: SBL0~~239~~ 329

SAMPLING METHOD: 1.5" acetate liners, cont's core 2" brass sleeve / manual drive

SHEET: 2 OF 2

SURFACE CONDITIONS: 0.25' Asphalt

DRILLING

START	FINISH
TIME 0740	TIME 0815
DATE 5-15-03	DATE 5-15-03

DRILLING CONTRACTOR: Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					0.1		10	SM	
									- Becomes no gravel
					0.1				- Becomes trace gravel
							11		
							12		
	4.0 / 3.8	0810			0.1				- Becomes trace clay, no gravel
							13		
									- Becomes some clay, trace gravel
									- Becomes gravelly
					0.1		14	SC	Light olive-brown (2.5Y, 5/4) clayey very fine SAND w/ some silt, moist, dense, root casts
									- Root casts prominent
							15	SM	Yellowish-brown (10YR, 5/4) silty, very fine SAND w/ trace gravel & clay, moist, med. dense, root casts
					0.2				
							16		
							17		
							18		
							19		
							20		

BY: Mark Wanek

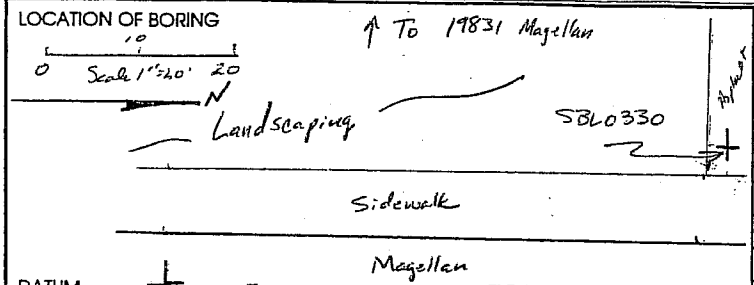
DATE: 5-15-03

CHECKED BY: DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... SBL0330 ELEVATION

JOB NUMBER	28906318.01000
LOCATION (Prentiss)	APN 7351-34-45
DRILLING METHOD:	Hand Auger to 5.3' Mar1 M25 vibratory hammer
BORING NUMBER	SBL0330
SAMPLING METHOD:	1.5" acetate sleeves / cont's cores 2" Brass sleeves / manual drive
SHEET	1 OF 2
SURFACE CONDITIONS:	0.6' Asphalt
DRILLING START TIME	0840
DRILLING FINISH TIME	0915
DATE	5-15-03
DATE	5-15-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	A/C	Asphalt
							1	GM	Brown (10YR, 5/3) silty GRAVEL w/ fine-med. sand, damp, dense (Road base)
							2	CL	Dark grayish-brown (10YR, 4/2) CLAY w/ trace silt, ~~and~~ fine sand, and gravel
		0842			0.5	SSS01792	3		
	4.0 / 2.6	0905					4	SC	- Becomes sandy, brown (10YR, 4/3)
					0.1		5		
							6	SM	Brown (10YR, 4/3) silty very fine-fine SAND ~~w/~~, moist dense, faint root casts gypsum inclusions
					0.1				
					0.3		7		
							8	SC	Light yellowish-brown (10YR, 6/4) clayey very fine SAND w/ silt, moist, dense, faint root casts
	4.0 / 3.4	0908			0.1				
						SSS01793	9		
					0.1			SM	Light olive-brown (2.5Y, 5/4) silty very fine-fine SAND w/ trace gravel
							10		

BY Mark Wanek CHECKED BY DLM

DATE 5-15-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER: 2890618.01000

LOCATION: APN 7351-34-45

DRILLING METHOD: Hand Auger to 5.3'; Mar I M25 vibratory hammer

BORING NUMBER: SBL0330

SAMPLING METHOD: 1.5" acetate sleeves, 2 per run; 2" Brass sleeves / manual drive

SHEET: 2 OF 2

DRILLING CONTRACTOR: Gregg

DATUM... ELEVATION

SURFACE CONDITIONS: 0.6' Asphalt

DRILLING START TIME: 0840 DATE: 5-15-03

DRILLING FINISH TIME: 0915 DATE: 5-15-03

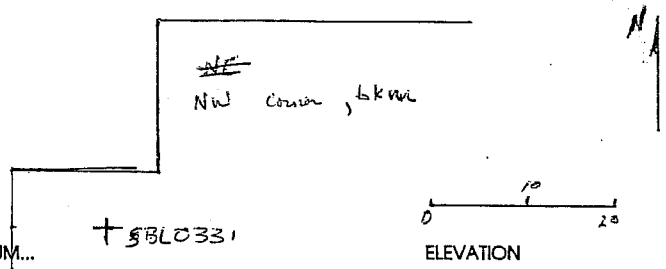
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	- Gypsum inclusions - Trace clay
					0.1		11		
	4.0 / 3.9	0911			0.1		12	SC CL	Light olive-brown (2.5Y, 5/4) sandy CLAY w/ some silt, moist, med. stiff, root casts
							13	ML SC	Pale yellow (2.5Y, 7/3) gravelly silty/fine sand, dry, very l... Light olive brown (2.5Y, 5/3) clayey fine SAND w/ silt
					0.3		14		
							15		- Becomes trace gravel
					0.1		16		
							17		Boring completed to ~16' on 5-15-03
							18		
							19		
							20		

BY: Mark Lehmann CHECKED BY: DCM DATE: 5-15-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	28906318.01000
LOCATION	~~(Enero)~~ (bkM) APN 7351-34-65
DRILLING METHOD:	Hand Auger to 5.1' Mar 1 M25 Vibratory hammer
BORING NUMBER	SBL0331
SAMPLING METHOD:	2" Brass sleeve / manual drive 1.5" acetate sleeves, cont's core
SHEET	1 OF 2
SURFACE CONDITIONS:	0.15' Asphalt
DRILLING START TIME	1405
DRILLING FINISH TIME	1435
DATE	5-15-03
DATE	5-15-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	A/C	Asphalt
								CL	Very dark grayish-brown (10YR, 3/2) and dark yellowish-brown (10YR, 4/6) CLAY w/ fine sand and trace silt and gravel
							1		
							2		
		1410			0.5	SSS01796			
							3		
							4	SC	Olive-brown (2.5Y, 4/3) clayey fine SAND w/ trace silt
	4.0 / 3.1	1426							
							5		
					0.3				- root casts apparent
							6		
					0.1				- Becomes increased silt
							7		
					0.3				
								SM	Light olive-brown (2.5Y, 5/4) silty very fine SAND w/ some clay, damp, very dense root casts
	4.0 / 2.8	1428			1.6		8		
						SSS01797	9	SC	Olive-brown (2.5Y, 4/4) clayey fine SAND w/ silt, damp, very dense, faint root casts
					0.2				
								SM	Olive-brown (2.5Y, 4/3) silty fine SAND w/ some clay, ~~very~~ damp, very dense, root casts
							10		

BY Mark Wanek CHECKED BY DCM

DATE 5-15-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION (6km)
	28906318.01000	APN 7351-34-63

DRILLING METHOD:	BORING NUMBER
Hand auger to ~~1.5~~ 5.1' Marl M25	SBL0331
SAMPLING METHOD:	SHEET 2 OF 2
2" Brass sleeves / manual drive	

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.15' asphalt	1405	1435
	DATE 5-15-03	DATE 5-15-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
								SM	
							10		
					1.0				
							11		
							12		
	4.0 / 3.2	1431			1.3				
									- trace gypsum
							13		- Becomes no clay, med. dense - dense
					0.3				
							14		
									- Becomes little silt
					0.1				- Becomes silty
							15		
							16		
									Boring completed to ~16' on 5-15-03
							17		
							18		
							19		
							20		

DRILLING CONTRACTOR Gregg

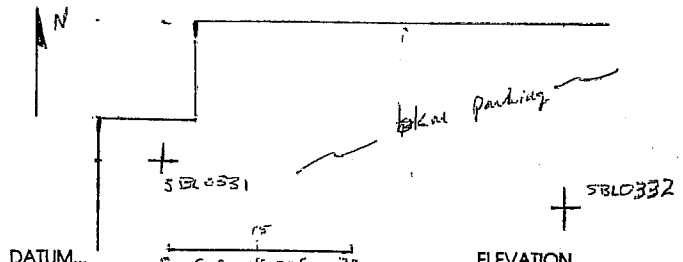
BY Mark Wanek CHECKED BY DWM

DATE 5-15-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION (bkm)
28906318.01000	APN 7351-34-63

DRILLING METHOD:	BORING NUMBER
Hand auger to 5.2' Marl M25 vibratory hammer	SBL0332
SAMPLING METHOD:	SHEET 1 OF 2
1.5" acetate sleeves / continuous core 2" brass sleeve / manual drive	DRILLING START TIME 1445 DATE 5-15-03 / FINISH TIME 1515 DATE 5-15-03
SURFACE CONDITIONS: 0.15' 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	
							0	A/C	Asphalt
								CL	Dark brown (10YR, 3/3) CLAY w/ sand and silt, moist, very stiff
							1		- Becomes sandy w/ trace gravel
		1450			1.1	SSS01798	2		
							3		
							4	SM	~~Olive g~~ Dark yellowish-brown (10YR, 4/4) silty, very fine SAND w/ trace clay, moist, very dense, ~~root casts~~
	4.0 / 3.5	1504			0.5		5		- Root casts apparent
					0.3		6		- Becomes w/ silt ~~no clay~~, med. dense
					0.2		7		- Dark brown (10YR, 3/3) clayey inclusions
	4.0 / 3.0	1506			0.3		8		- Becomes w/ clay, very dense
							9		- 0.3' lens of pale yellow gravelly silt
					0.1		10		- Becomes trace to little gravel, gypsum

BY Mark Wanek DATE 5-15-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER	LOCATION
28906318.01000	APN 7351-34-63

DRILLING METHOD:	BORING NUMBER
Hand auger to 5.2' Manual 1425 vibratory hammer	SBL0332
SAMPLING METHOD:	SHEET
1.5" acetate liner, continuous core 2" brass sleeve, manual drive	2 OF 2
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME / TIME
0.15' asphalt	1445 / 1515
	DATE / DATE
	5-15-03 / 5-15-03

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
								SM
							10	
					0.2			
							11	
							12	
	4.0 / 3.4	1510			2.1			
							13	
					0.1			
							14	
							15	
					0.2			
							16	
							17	
							18	
							19	
							20	

SM

- Becomes no clay, no gravel

- Trace gravel

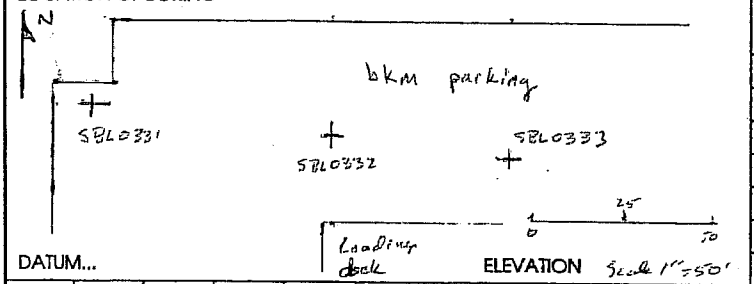
- Becomes little gravel

Boring completed to ~16' on 5-15-03

BY Mark Hand DATE 5-15-03 CHECKED BY [illegible]

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION Scale 1"=50'

JOB NUMBER	LOCATION (bkm)
28906318.01000	APN 7351-34-63

DRILLING METHOD:	BORING NUMBER
Hand auger to 5.4' Mori M25 vibratory hammer	SBL 0333
SAMPLING METHOD: 2" Brass sleeves,	SHEET 1 OF 2

SURFACE CONDITIONS: ~~0.15~~ 0.2' Asphalt

DRILLING	START	FINISH
TIME	1518	1615
DATE	5-15-03	5-15-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	A/C	Asphalt
								CL	Very dark grayish-brown (10 YR, 3/2) CLAY
							1		
		1520			0.3	SSS01800	2		
							3		
	4.0 / 3.7	1609					4	SM	Dark yellowish-brown (10 YR, 4/4)
							5		
					0.1		6		- trace gravel, root casts
								CL	Brown (10 YR, 4/3) sandy CLAY w/ silt, moist, stiff
					0.5		7	SM	Dark yellowish-brown
						SSS01801			
					0.6		8	CL	Dark yellowish-brown (10 YR, 4/4) CLAY w/ trace silt, moist, very stiff, root casts
	4.0 / 3.6	1611			0.1				
							9		
					0.1		10	SM	Yellowish-brown (10 YR, 5/4) silty very fine SAND, moist, dense, root casts - Root casts prominent

BY Mark Wanek CHECKED BY Dun

DATE 5-15-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351-34-63

DRILLING METHOD:	BORING NUMBER
Hand Auger to 5.4' Mar-1 M25 Vibratory hammer	SBL0333
SAMPLING METHOD:	SHEET
1.5" acetate sleeves, cont's core 2" brass sleeve / manual drive	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.2' asphalt	1518	1615
	DATE 5-15-03	DATE 5-15-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	
							11		
					0.6				
							12	GM	Light gray (10YR, 7/1) silty ~~gravelly~~ GRAVEL (chert)
	4.0 / 3.8	1614			0.1			ML	Pale brown (10YR, 6/3) very fine sandy SILT w/ trace clay.
									- 0.1' gravelly lense
							13	SM	Light yellowish-brown (10YR, 6/4) silty very fine SAND w/ trace gravel, moist, dense, faint
					0.1				
							14		- Gravel to 0.05'
									- Becomes some gravel
							15		- Sharp change to yellowish-brown (10YR, 5/4), w/ little clay, no gravel
					0.1				
							16		Boring completed to ~16' on 5-15-03
							7		
							8		
							9		
							0		

DRILLING CONTRACTOR Gregg

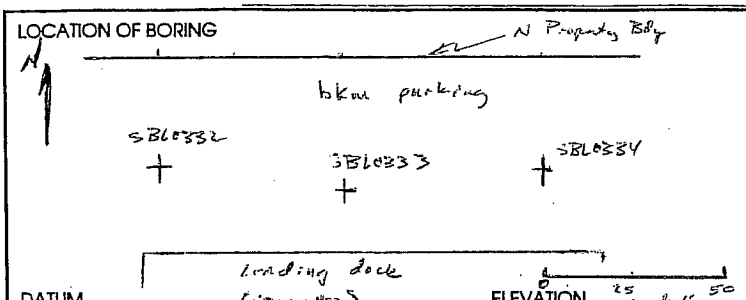
BY Mark Wanek CHECKED BY [signature]

DATE 5-16-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



JOB NUMBER	LOCATION
28906318.01000	APN 7351-34-63 (bkm)

DRILLING METHOD: Hand Auger to 5.2'; Mari M25 vibratory hammer

BORING NUMBER: SBL0334

SAMPLING METHOD: 1.5" acetate sleeves, cut's core; 2" brass sleeve, manual drive

SHEET: 1 OF 2

SURFACE CONDITIONS: 0.2' asphalt

DRILLING START	DRILLING FINISH
TIME: 0820	TIME: 0900
DATE: 5-16-03	DATE: 5-16-03

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 gray (10 YR, 3/1) sandy clay w/ silt, moist, med. stiff
							1		
		0825			0.4	SSS01802	2		
						MW			
							3		
							4	SC	Light olive-brown (2.5 Y, 5/4) clayey very fine SAND
	4.0 / 3.5	0845							
							5		
					0.1				Root casts apparent
							6		
					1.0				
							7		
					0.2	SSS11803		SM	
							8		Yellowish-brown (10 YR, 5/6) silty fine SAND w/ trace clay, moist, dense, root casts
	4.0 / 3.2	0847			0.7				
							9		
									- Becomes dark yellowish-brown (10 YR, 4/4), ~~sand~~ w/ clay, very dense
					0.1		10		2 0.1' lens ~~pale yellow~~ very pale brown (10 YR, 7/3) gravel

BY Mark Lehnert DATE 5-16-03 CHECKED BY DCM

DAMES & MOORE

BORING LOG

LOCATION OF BORING

DATUM...

ELEVATION

JOB NUMBER	LOCATION
28906318 01000	APN 7351-34-63

DRILLING METHOD: Hand augerto 5.2'
Mar1 M25 vibratory hammer

BORING NUMBER: SBL0334

SAMPLING METHOD: 1.5" acetate sleeves, cont's core
2" brass sleeve, manual drive

SHEET 2 OF 2

SURFACE CONDITIONS: 0.2 Asphalt

DRILLING

START	FINISH
TIME 0820	TIME 0900
DATE 5-16-03	DATE 5-16-03

DRILLING CONTRACTOR Geogge

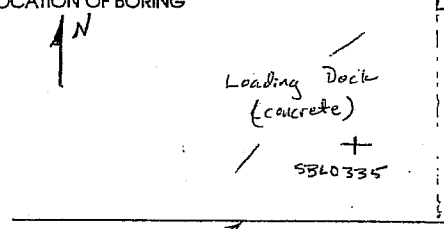
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	
					0.2		11		- Becomes w/ very pale brown gravel - Becomes no gravel, light yellowish brown (10YR, 6/4), trace clay at ~10.9'
	4.0 / 3.0	0850			0.3		12	GM	Very pale brown (10YR, 7/4) ~~silty~~ GRAVEL w/ silt and sand, ~~moi~~ damp, very dense
							13	SM	Yellowish-brown (10YR, 5/4) ~~&~~ very fine SAND w/ some silt, moist, med. dense, faint root casts
					0.1		14		- 0.1' less pale brown (10YR 6/3) gravel - Becomes light olive-brown (2.5Y, 5/4), silty
					0.1		15	GM / SM	Gray (2.5Y, 6/1) ~~silt~~ sandy GRAVEL w/ silt, damp, very dense Light olive-brown (~~to~~ 2.5Y, 5/4) silty very fine SAND, ~~moi~~ w/ trace clay, moist, dense, faint root casts
							16		Boring completed to ~16' on 5-16-03
							17		
							18		
							19		
							20		

BY Mark Wanek
DATE 5-16-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER 28906318.01000

LOCATION (Restaurant Depot) APN 7351-33-34

DRILLING METHOD: Hand auger to 5.1' Mar/ M25 vibratory hammer

BORING NUMBER SBL0335

SAMPLING METHOD: 1.5" acetate sleeve, continuous core 2" Brass sleeve / manual drive

SHEET 1 OF 2

DRILLING START TIME 0950 DATE 5-16-03 FINISH TIME 1015 DATE 5-16-03

SURFACE CONDITIONS: 0.5' Concrete

DRILLING CONTRACTOR Gregg

BY Mark Cisneros DATE 5-16-03 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	A/C	Concrete
							1	SW/SM	Very dark grayish-brown (10YR 3/2) silty, very fine-very coarse SAND w/ gravel, wet, loose
							2	SC	Yellowish-brown (10YR 5/4) clayey fine SAND, w/ silt, wet, med. dense.
		0953							
							3		
							4	SM	
	4.0 / 3.8	1003			1.8				Olive-brown (2.5Y, 4/3) silty very fine SAND, wet loose - med. dense
							5		
									- Becomes moist, root casts apparent (faint), ~~med~~ dense
					0.1		6		
							7		
					4.6		8		
	4.0 / 2.0	1006			9.0				- Becomes yellowish-brown (10YR 5/4), some silt, very fine-fine ~~SAND~~ sand
							9		- Becomes olive-brown (2.5Y 4/3), fine sand, med. dense
					6.7		10		L Becomes grayish-brown, light odor and staining

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER 28906318.01000

LOCATION (Restaurant Depot) APN 7351-33-34

DRILLING METHOD: Hand auger to 5.1'
Mark MZ5 vibratory hammer

BORING NUMBER SBL0335

SAMPLING METHOD: 1.5" acetate sleeves, continuous core
2" Brass sleeves, manual driven

SHEET 2 OF 2

DRILLING CONTRACTOR Gregg

DATUM... ELEVATION

SURFACE CONDITIONS: 0.5' Concrete

DRILLING START TIME 0950 DATE 5-16-03

DRILLING FINISH TIME 1015 DATE 5-16-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
					6.7		10	SM
							11	
							12	
	4.0 / 3.9	1011			9.8			
							13	
							14	
					23.7			
							15	
		~~1514~~ 1519	15.4-15.9		28.8	SSS01804	16	
							17	
							18	
							19	
							20	

- Recovered w/ clay & trace gravel, ~~moist~~ light olive-brown (2.5Y, 5/3)

- Becomes no clay or gravel, root casts prominent olive-brown (2.5Y, 4/4)

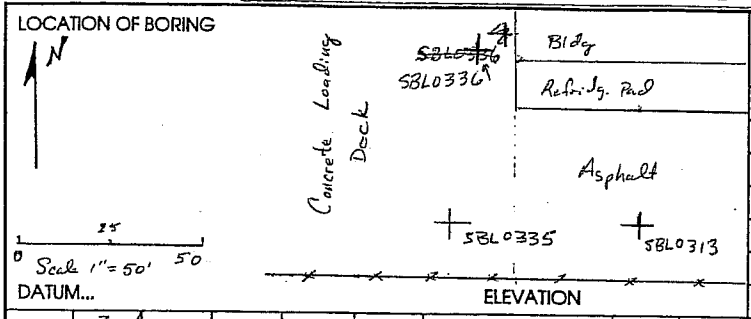
- Becomes dark grayish-brown (2.5Y, 4/2), slightly increased odor, trace clay, dense

Boring completed to ~16' on 5-16-03

BY Mark Wester DATE 5-16-03 CHECKED BY DCM

DAMES & MOORE

BORING LOG



JOB NUMBER	LOCATION
28906318.01000	(Restaurant Depot) APN 7351-33-34

DRILLING METHOD:	BORING NUMBER
Hand auger to 5.25' Marl M25 vibratory hammer	SBL0336
SAMPLING METHOD:	**SHEET**
1.5" acetate sleeve, continuous core 2" brass sleeve/manual drive	1 OF 2
	DRILLING

SURFACE CONDITIONS:	START TIME	FINISH TIME
0.5' Concrete	1115 ~~1115~~	1150
	START DATE	FINISH DATE
	5-16-03	5-16-03

DRILLING CONTRACTOR Gregg

BY Mark Wenk DATE 5-16-03 CHECKED BY Dan

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0		
								A/C	Concrete
							1	CL	Very dark grayish-brown (10YR, 3/2) CLAY w/ very fine sand & some silt, moist, stiff
							2		
		1120							
							3	SC	Dark yellowish-brown (10YR, 4/4) clayey fine SAND w/ little silt, moist, dense
	4.0 / 3.8	1135					4		
							5		
					2.6				- root casts apparent, gypsum
							6		
					8.5				
							7	SM	Olive-brown (2.5Y, 4/4) silty very fine SAND ~~w~~ w/ trace clay, ~~moist~~, moist, med. dense, root casts
									faint odor
					4.4				petrochem (Eucalyptus-like ?)
	4.0 / 2.8	1139			13.0		8		- Decreased silt
							9		- Becomes ~~some silt~~, light olive-brown (2.5Y, 5/4) some silt, med. dense, moderate petrochem odor, no root casts
			9.5-10.0		63.4	SSS01805	10		

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351-33-34

DRILLING METHOD:	BORING NUMBER
Hand Auger to Marl M25 vibratory hammer	SBL0336
SAMPLING METHOD:	SHEET
1.5" acetate sleeves, continuous core 2" brass sleeve, manual drive	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.5' Concrete	1115	1150
	DATE 5-16-03	DATE 5-16-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
			9.5-10.0		63.4	SSS01805	10	SM	
					33.3		11		
	4.0/3.7	1143			19.2		12		
							13	SC	Olive-brown (2.5Y, 4/4) clayey fine SAND w/ silt, ~~root cast~~ moist, dense, root casts, moderate odor
					18.7		14	CL	Light olive-brown (2.5Y, 5/4) CLAY w/ little very fine sand and trace silt, moist, stiff, heavily bioturbated - Becomes sandy
					30.4		15	SM	Dark yellowish-brown (10YR, 3/6) silty very fine SAND w/ little clay, moist, dense, root casts
							16		Boring completed to ~16' on 5-16-03
							17		
							18		
							19		
							20		

DRILLING CONTRACTOR Gregg

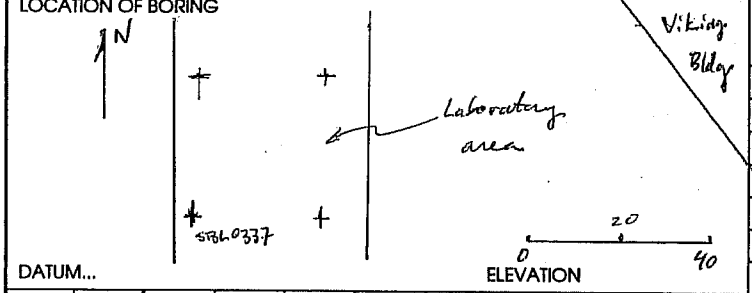
BY Mark Wanek CHECKED BY DLM

DATE 5-16-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER 2.2906318.01000	LOCATION (Viking) APN 7351-31-20
DRILLING METHOD: Hand Auger to 7.0' Mark M25 Vibrating hammer	BORING NUMBER SBL0337
SAMPLING METHOD: 2" brass sleeve manual drive 1.5" acetate liners, continuous	SHEET 1 OF 2
SURFACE CONDITIONS: 0.2' Asphalt	DRILLING START TIME 0900 DATE 6-4-03 / FINISH TIME 1025 DATE 6-4-03

DRILLING CONTRACTOR Gregg

BY Mark Lalanette DATE 6-4-03 CHECKED BY PLM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0		
								A/C	Asphalt
								~~GW~~ SM	Dark brown (10YR, 3/3) silty very fine - fine SAND w/ gravel, moist, dense
							1		
						SS501806	2		
							3		
	4.0 / 3.2						4		(10YR, 3/4) - Becomes dark yellowish-brown, ~~trace~~ gravel and clay
							5		
									- Becomes yellowish-brown (10YR, 5/6), no gravel or clay
							6		
						SS501807			
							7		- Becomes dark yellowish-brown (10YR, 4/4), trace clay
	4.0 / 4.0				2.2		8		- Root casts apparent
							9		
							10		
					0.3			SC	Dark yellowish-brown (10YR, 4/6) clayey fine SAND w/ silt, moist, dense

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906357.01000	APN 7351-31-20

DRILLING METHOD:	BORING NUMBER
Hand auger to 7.0' Mari M25 vibratory hammer	SBL0337
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive 1.5" acetate liner, continuous	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS: 0.2' Asphalt

DRILLING	START	FINISH
TIME	0900	1025
DATE	6-4-03	6-4-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					0.3		10	SM / SC	Dark yellowish-brown ~~sandy~~ clayey fine SAND w/silt moist, dense, root casts
							11		
					1.1		12		
	4.0 / 2.9				0.3				
							13	SM	Dark yellowish-brown (10YR, 4/6) silty fine SAND w/ little clay, moist, med. dense
					0.6		14		- Becomes decreased silt, no clay
					0.3		15		
							16		Boring completed to ~16' on 6-4-03
							17		
							18		
							19		
							20		

DRILLING CONTRACTOR Gregg

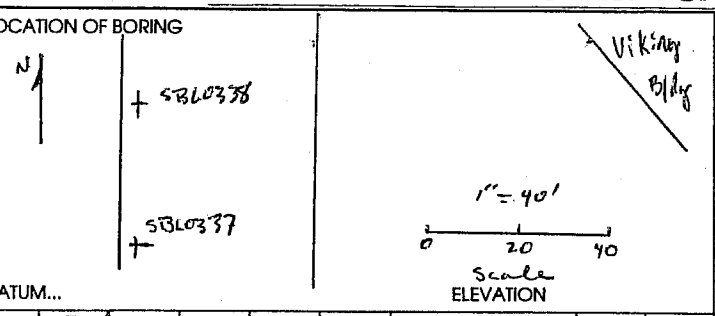
BY Mark Wanek

DATE 6-04-03 CHECKED BY DWM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION

JOB NUMBER	2890~~3~~MW6318.01000
LOCATION	(Viking) APN 7351-31-20
DRILLING METHOD:	Hand Auger to 5.0' Mori M25 vibratory hammer
BORING NUMBER	SBL0338
SAMPLING METHOD:	2" Brass sleeves, manual drive 1.5" acetate liners, continuous core
SHEET	1 OF 2
SURFACE CONDITIONS:	0.2' Asphalt
DRILLING START TIME	1030
DRILLING START DATE	6-4-03
DRILLING FINISH TIME	
DRILLING FINISH DATE	6-4-03

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
								SM	Dark brown (10YR, 3/3) silty very fine-fine SAND w/ gravel, moist, dense
							1		
						SSS01808	2		
							3		
	4.0 / 3.5			1	0.1		4	CL	Dark brown (10YR, 3/3) sandy CLAY w/ some silt
							5		
					0.1		6	SM	Yellowish-brown (10YR, 5/6) silty very fine SAND, moist, very dense, faint root casts
							7		-Becomes brownish-yellow (10YR, 6/6)
					0.1	SSS01809			
	4.0 / 3.0				0.2		8		-Becomes yellowish-brown (10YR 5/6)
							9		
							10		-Root casts more prominent
					0.1				

BY Mark Wanek CHECKED BY DLM

DATE 6-4-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING

DATUM... ELEVATION

JOB NUMBER 28906318.01000

LOCATION (Viking) APN 7351-31-20

DRILLING METHOD: Mac1 M25 vibratory hammer. Hand Auger to 5.0'

BORING NUMBER SBL0338

SAMPLING METHOD: ~~Hand Auger~~ 2" brass sleeve 1.5" acetate liner, cont's core

SHEET 2 OF 2

SURFACE CONDITIONS: 0.2' Asphalt

DRILLING START TIME 1030 DATE 6-4-03

DRILLING FINISH TIME DATE 6-4-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
					0.1		10	SM
					0.1		11	
	4.0 / 3.3				0.1		12	
							13	
					0.1			
							14	
					0.1		15	
							16	
							17	
							18	
							19	
							20	

- Becomes dark yellowish-brown (10 YR 4/6) little clay
  - Becomes light olive-brown (to 2.5Y 5/3)
- Becomes olive-brown (2.5Y 4/4), some clay

Boring completed to ~16' on 6-4-03

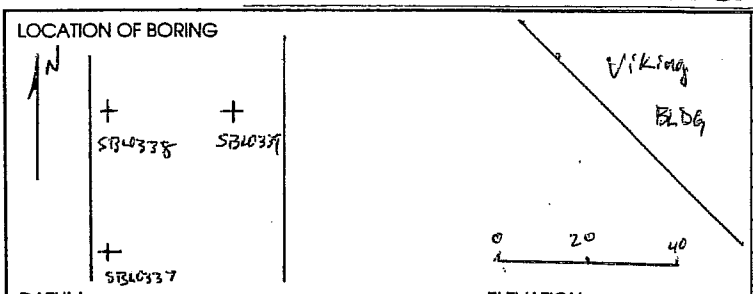
BY Mark Wanek CHECKED BY DLW

DATE 6-4-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION (Viking)
28906318.01000	APN 7351-31-20

DRILLING METHOD:	BORING NUMBER
Hand Augers to 5.1' Mari M25 vibratory hammer	SBL0339
SAMPLING METHOD:	SHEET
2" Brass sleeves, manual drive 1.5" Acetate liner / continuous core	1 OF 2
	DRILLING START TIME / FINISH TIME
SURFACE CONDITIONS:	
0.2' Asphalt	DATE 6-4-03 / DATE 6-4-03

DRILLING CONTRACTOR Gregg

BY Mark Wong CHECKED BY DLM

DATE 6-4-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	SM	Asphalt Dark brown (10YR, 3/3) silty fine SAND w/ gravel, moist, dense
					0.2	SSS01811	1		
							2	A/C	Concrete slab.
							3	CL	Dark yellowish-brown (10YR, 3/4) CLAY w/ fine sand & silt, moist, stiff
					0.1		4		
	4.0 / 3.4								
					0.1		5		
							6	SM	light olive-brown (to 2.5Y, 5/4) silty very fine SAND, damp, dense, root casts.
					0.2	SSS01812	7		
							8		-Becomes yellowish-brown (10YR, 5/4)
	4.0 / 3.4				0.1				
							9		
							10	CL	Olive-brown (2.5Y, 4/4) Sandy CLAY w/ some silt, moist, stiff, root casts prominent
					0.1				

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	Viking APN 7351-31-20

DRILLING METHOD:	BORING NUMBER
Hand auger to 5.1' Mari M25 vibratory hammer	SBL0339
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive 1.5" acetate liners, continuous core	2 OF 2
	DRILLING START TIME / FINISH TIME
SURFACE CONDITIONS: 0.2' Asphalt	DATE 6-4-03 / DATE 6-4-03

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	
					0.1		10	SM / CL	Olive-brown (2.5Y, 4/4) sandy CLAY w/ some silt, moist, stiff, root casts prominent
					0.1		11		
	4.0 / 3.2				0.1		12	SM	Yellowish-brown (10YR, 5/4) silty, very fine-fine SAND, moist, dense, root casts prominent
					0.1		3		
					0.1		4		
							15		
							16		Boring completed to ~16' on 6-4-03
							17		
							18		
							19		
							20		

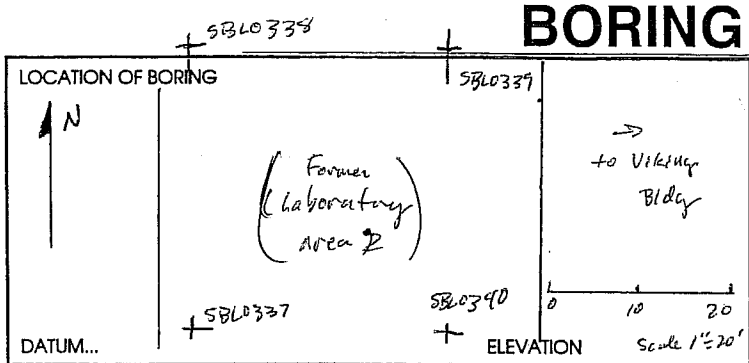
BY Mark Wanek CHECKED BY DLM

DATE 6-4-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION (Viking)
~~85~~ 28906318.01000	APN 7351-31-20

DRILLING METHOD:	BORING NUMBER
Hand Auger to 5.3' Marl M25 vibratory hammer	SBL0340
SAMPLING METHOD:	SHEET 1 OF 2
2" Brass sleeve, manual drive 1.5" acetate liner, continuous core	DRILLING START TIME / FINISH TIME
SURFACE CONDITIONS: 0.2' Asphalt	DATE 6-4-03 / DATE 6-4-03

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		
								SM	Dark grayish brown (10YR, 4/2) silty
							1		
									- Rough hand augering - ~~rocky~~ gravelly
							2		
							3		
									(10YR, 3/3) - Becomes dark brown, wet, oily smell
	4.0 / 3.3				0.1	SSS01810	4		- oily odor faint
							5	CL	Brown (7.5YR, 4/3) sandy CLAY w/ little silt, moist, very stiff, root casts
					0.1		6	SM	yellowish-brown (10YR, 5/6) silty very fine sand, moist, very dense, root casts prominent
					0.1		7		
	4.0 / 3.4				0.1		8		- Becomes light olive-brown (to 2.5Y, 5/4) increased silt, root casts faint, med. dense
							9		- Becomes yellowish-brown (10YR, 5/4)
					0.1				- Becomes some clay, decreased silt
							10	CL	Dark yellowish-brown (10YR, 4/4) sandy CLAY w/ silt, moist, stiff, root casts faint

BY Mark Wanek CHECKED BY DM

DATE 6-4-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351-31-20

DRILLING METHOD:	BORING NUMBER
Marl M25 vibratory hammer Hand auger to 5.3'	SBL0340
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive 1.5" acetate liner, continuous core	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.2' Asphalt	DATE 6-4-03	DATE 6-4-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	CL	
							11	SM	
					0.1				Light olive-brown (2.5Y, 5/6) silty very fine sand, moist, dense, root casts
							12		
					0.1				
							13		
									- Becomes dark yellowish-brown (10YR, 4/6) med. dense, decreased silt, faint root casts
					0.[illegible]		14		
					0.2		15		
							16		Boring completed to ~16' on 6-4-03
							17		
							18		
							19		
							20		

DRILLING CONTRACTOR Gregg

BY Mark Wanek

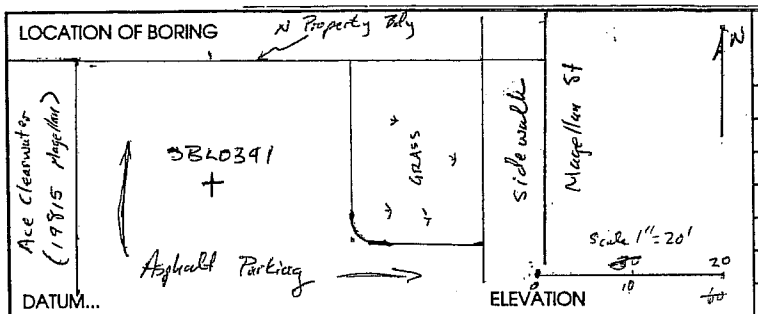
DATE 6-4-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

(Ace Clearwater)

LOCATION OF BORING — N Property Boy



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	APN 7351-34-43

DRILLING METHOD:	BORING NUMBER
Hand auger to 5.0' Mark M25, vibratory hammer	SBL0341
SAMPLING METHOD:	SHEET
2" brass sleeve, manual drive 1.5" acetate liner, cont's core	1 OF 2
	DRILLING
	START / FINISH
SURFACE CONDITIONS:	TIME: / 0815
0.3' Asphalt	DATE: 6-5-03 / 6-5-03

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 gray (2.5Y, 3/1) CLAY w/ fine sand and silt, moist, stiff
							1		
					0.2		2		
							3		- Becomes moderate - strong oily odor, staining
					0.1	SS501813			- Becomes faint odor, wet
	4.0 / 3.8				0.1		4		- Becomes moist
							5		- Becomes brown (7.5Y, 4/3), decreased sand, root casts (10YR, 4/4)
					0.1				- Becomes dark yellowish-brown, trace gypsum
							6		- Becomes sandy, root casts prominent
							7		
					0.1		8		- Becomes yellowish (10YR, 4/6)
	4.0 / 3.3				0.7			SM	Dark yellowish-brown (10YR, 4/6) silty fine SAND, moist, strong root casts prominent
							9		
							10		
					0.6				

BY Mark Wheeler DATE 6-5-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351-34-43

DRILLING METHOD:	BORING NUMBER
Hand Auger to 5.0'	
Mar1 M25 vibratory hammer	SBL0341
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive	2 OF 2
1.5" acetate liner, continuous core	DRILLING

DATUM...	ELEVATION	SURFACE CONDITIONS:	START TIME	FINISH TIME
		0.3' Asphalt		0815
			DATE 6-5-03	DATE 6-5-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
								5Y4	
					0.6		10		
									- Becomes little clay
							11		
							12		
	4.0 / 3.5				5.4				
							13		- Becomes trace clay, root casts faint
					0.0		14		- Becomes olive-brown (~~to~~ 2.5Y, 4/3) ~~as layer~~ interspersed w/ olive (5Y, 4/3)
					14		15		
							16		Boring completed at ~16' on 6-5-03
							17		
							18		
							19		
							20		

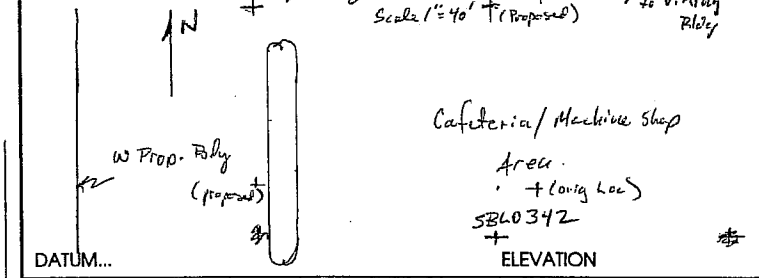
BY Mark Wanek CHECKED BY DLM

DATE 6-5-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING (Proposed) 0 Scale 1"=40' 40 (Proposed) to Viking Bldg



JOB NUMBER	LOCATION
28906318.01000	(Viking) APN 7351-31-20

DRILLING METHOD:	BORING NUMBER
Hand Auger to 5.1' Mark M25 vibratory hammer	SBL0342
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual hammer 1.5" acetate liners, cont's core	1 OF 2
	DRILLING START TIME / FINISH TIME
SURFACE CONDITIONS:	
0.25' Asphalt	DATE 6-5-03 / DATE 6-5-03

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	Brown (10YR, 4/3) Sandy CLAY w/ gravel & silt, mottled w/ dark gray (10YR, 4/1)
							1		- Becomes decreased gravel
							2		
					0.0				- Becomes gravelly from 2.5-2.7'
							3		- Becomes dark olive-gray (5Y, 3/2) moderate-strong pet. oil. staining
					0.2	SS501814			- Becomes black (10YR, 2/1) oily, heavy staining
	4.0/3.9				0.1		4		~~- Becomes black (10YR, 2/1), oily smell, heavy staining~~ - Becomes
							5	SM	Yellowish-brown (10YR 5/8) silty fine SAND w/ gravel (cobbles to ~0.15')
					0.1		6	CL	Dark brown (7.5YR, 3/3) CLAY w/ trace very fine sand and silt, moist, med. stiff - Becomes little sand
								SM	Dark yellowish-brown (10YR, 4/6) silty fine SAND w/ trace clay, moist, dense, root casts (faint)
							7		
					0.1		8		
	4.0/2.7				0.1				Becomes - increased silt
							9		
							10		
					0.1				- Becomes Mod. dense

BY Mark Wardell DATE 6-5-03 CHECKED BY DCM

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351-31-20

DRILLING METHOD:	BORING NUMBER
Hand Auger to Mari M25 vibratory hammer	SBL0342
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive 1.5" acetate liner, cants core	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
Asphalt	DATE 6-5-03	DATE 6-5-03

DRILLING CONTRACTOR Gregg

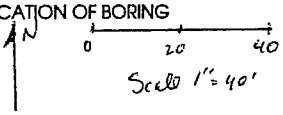
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					0.1		10	SM	
					0.1				
							11	CL	Yellowish-brown (10YR, 5/4) sandy CLAY w/ ~~some~~ silt moist, med. stiff, root casts
	4.0 / 3.0				0.1		12		
							13		
							14	SM	Dark yellowish-brown (10YR, 4/4) silty fine SAND w/ trace clay, moist, dense, faint root casts
					0.1		15		- Becomes w/ silt, med. dense.
							16		Boring completed to ~16' on 6-5-03
							17		
							18		
							19		
							20		

BY Mark Wanek DATE 6-5-03 CHECKED BY DCM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



Scale 1" = 40'

1 to Viking Bldg

Machine Shop / Cafeteria area

orig. loc. (+N)

+SBL0343

DATUM... +SBL0342 ELEVATION

JOB NUMBER	LOCATION Viking
28906318.01000	APN 7351-31-20

DRILLING METHOD:	BORING NUMBER
Hand Auger to 5.1' Mark 1425 vibratory hammer	SBL0343
SAMPLING METHOD:	SHEET 1 OF 2
2" Brass sleeve, manual drive 1.5" acetate sleeves, continuous core	DRILLING START TIME / FINISH TIME
SURFACE CONDITIONS:	DATE 6-5-03 / DATE 6-5-03
0.25' Asphalt	

DRILLING CONTRACTOR Gregg

BY Mark Wanek DATE 6-5-03 CHECKED BY PLM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	A/C	Asphalt
								CL	Dark brown (10YR 3/3) sandy CLAY w/ silt and some gravel, brick fragments, moist-moist, med. stiff
							1		
					0.1	SSS01815			- Becomes gravelly from ~1.8-2.1'
							2		
							3		
									- Becomes gravelly
	4.0 / 3.8				0.0		4		
							5		- Becomes trace very fine sand, w/ some gravel and silt, faint root casts
					0.1		6	SM	Dark yellowish-brown (10YR, 4/6) silty fine SAND w/ trace clay, moist, dense, root casts
							7		- Becomes med. dense
					0.0	SSS01816			- trace gypsum
	4.0 / 3.3				0.3		8		- Becomes wet
							9		- Becomes light olive-brown (2.5Y, 5/4), very fine-fine sand, dense
					0.1		10		

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER	LOCATION
28906318.01000	APN 7351-31-20

DRILLING METHOD: Hand Auger to 5.1'; Mark H25 vibratory hammer

BORING NUMBER: SBL0343

SAMPLING METHOD: 2" Brass sleeve, manual drive; 1.5" acetate sleeve, cont's core

SHEET: 2 OF 2

DRILLING: START TIME / FINISH TIME

SURFACE CONDITIONS: 0.25' Asphalt

DRILLING: START DATE 6-5-03 / FINISH DATE 6-5-03

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
					0.1		10	SM
					0.0		11	
								CL
	4.0 / 3.0				0.5		12	
								SM
							13	
					0.1		14	
					0.1		15	
							16	
							17	
							18	
							19	
							20	

- Becomes dark yellowish brown (10YR, 4/4), little clay, med. dense

Yellowish-brown (10YR, 5/4) sandy CLAY w/ silt, moist, med. stiff, trace gypsum and few root casts

Yellowish-brown (10YR, 5/4) silty fine SAND w/ trace clay, moist, ~~med~~ dense, root casts.

- Becomes decreased silt, med. dense.

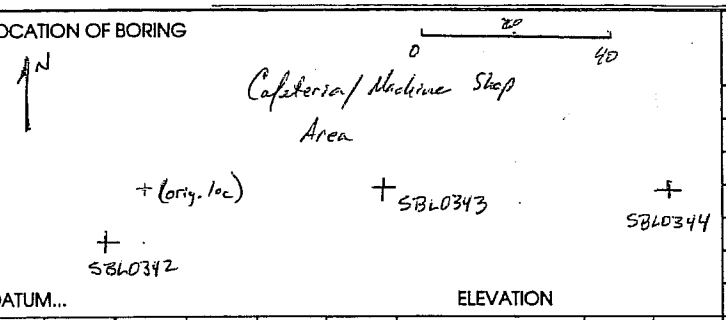
Boring completed to ~ 16' on 6-5-03

BY Mark Wenck DATE 6-5-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION (Viking)
28906318.01000	APN 7351-31-20
DRILLING METHOD: Hand Auger to 3.4' / Marl M25 vibratory hammer	BORING NUMBER SBL 0344 (~~SB~~)
SAMPLING METHOD: ~~Hand~~ 2" Brass sleeves, manual drive / 1.5" acetate liner, continuous core	SHEET 1 OF 2
	DRILLING START TIME / FINISH TIME
SURFACE CONDITIONS: 0.25' asphalt	DATE 6-5-03 / DATE 6-5-03

DRILLING CONTRACTOR Gregg

BY Mark Wanek DATE 6-5-03 CHECKED BY PLM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	A/C	Asphalt
							1	SM/CL	Dark brown (10YR, 3/3) ~~and dark~~ CLAY and dark yellowish-brown (10YR, 4/4) silty fine-med SAND, (melted together), brick fragments, gravel, moist, soft-med. stiff/ dense (fill)
						SS501817	2		- pieces of ceramic tile, cement
								GM	Gray (10YR, 6/1) + light gray (10YR, 7/1) silty GRAVEL (uniform in size, ~ 0.08')
	4.0/3.2				0.2		3	CL	Brown (7.5YR, 4/2) CLAY w/ little Sand and trace silt, moist, ~~den~~ med. stiff, root casts
							4		- Becomes strong brown (7.5YR, 4/6)
					0.1		5	SM	Strong brown (7.5YR, 5/6) silty fine SAND w/ trace clay & gravel, root casts
					0.1		6		
					0.1	SS501818	7		- Becomes yellowish-brown (10YR, 5/4)
	4.0/3.1						8	SC	Yellowish-brown (10YR, 5/4) clayey fine SAND w/ silt, moist, dense, root casts
					0.2			SM	Dark yellowish-brown (10YR, 4/4) silty fine SAND w/ little clay, moist, med. dense.
					0.1		9		
							10		

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351-31-20

DRILLING METHOD:	BORING NUMBER
Hand auger to Marl M25, vibratory hammer	SBL0344
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive 1.5" acetate liner, cont's core	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.25' asphalt	DATE 6-5-03	DATE 6-5-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					0.1		10	SM	
								CL	
	4.0 / 2.8				0.1		-11		Yellowish brown (10YR, 5/3) sandy CLAY w/ ~~some~~ silt, moist, med. stiff, root casts
							12		
					0.1		13		- Becomes more yellower (10YR, 5/4), increased sand, soft, root casts faint
					0.1		14		
							-15		Boring completed to ~15' on 6-5-03
							16		
							17		
							18		
							19		
							20		

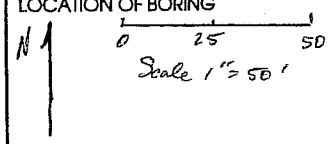
BY Mark Wanek CHECKED BY DLM

DATE 6-5-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION (Viking)
28906318.01000	APN 7351-31-20

DRILLING METHOD:	BORING NUMBER
Hand auger to 5.0'	
Mobil M25 vibratory hammer	SBL0345
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive	1 OF 2
1.5" acetate liner, continuous	DRILLING
	START / FINISH
SURFACE CONDITIONS:	TIME / TIME
0.25' Asphalt	DATE / DATE
	6-5-03 / 6-5-03

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
								SM
							1	
						SSS01819	2	
							3	
	4.0 / 3.8				0.1		4	
								CL
							5	
					0.1		6	
	4.0 / 3.4 MW				0.1	SSS01820	7	
	4.0 / 3.4				0.4		8	SC
							9	
					0.3		10	
								SM

Asphalt

Dark brown (10YR, 3/3) silty very fine-fine SAND w/ gravel & some clay, moist, dense

Dark yellowish-brown (10YR, 3/4) sandy CLAY w/ some silt, moist, stiff, root casts

- Becomes little sand & silt,

- Becomes sandy, trace gypsum

Dark yellowish-brown (10YR, 4/4) clayey fine SAND w/ some silt, moist, very dense, root casts

BY Mark Ward DATE 6-5-03 CHECKED BY Dum

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351 -31-20

DRILLING METHOD:	BORING NUMBER
Hand auger to ~~1.5" acetate liner~~; Mar1 M25 vibratory hammer	SBL0345
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive 1.5" acetate liner, continuous core	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.25' Asphalt		
	DATE 6-5-03	DATE 6-5-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					0.3		10	SC ~~SM~~	
								SM	Dark yellowish-brown (10YR, 4/4) silty fine SAND w/ some clay, moist, dense, root casts Becomes med. dense
							11		
					0.1				
							12	CL	Dark yellowish-brown (10YR, 4/4) CLAY w/ sand & little silt, moist, very stiff, root casts
					0.5				
							13		
								SM	Dark yellowish-brown (10YR, 4/4) silty fine SAND w/ trace clay, moist, dense, root casts faint
					0.2		14		
					0.2		15		
							16		Boring completed to ~16' on 6-5-03
							17		
							18		
							19		
							20		

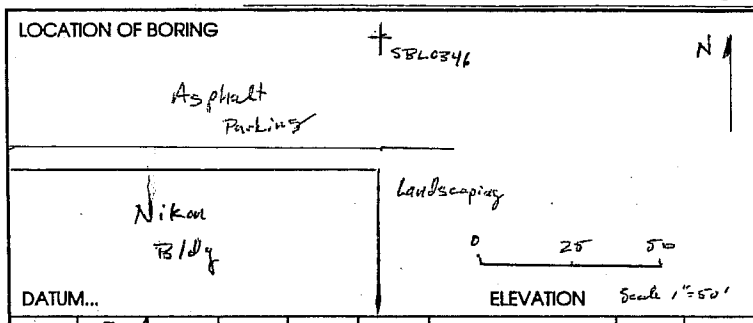
BY Mark Wanek CHECKED BY DCM

DATE 6-5-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING: SBL0346



DATUM...

ELEVATION Scale 1"=50'

JOB NUMBER	28906318.01000
LOCATION	~~Viking~~ Nikon APN 7351-33-23
DRILLING METHOD:	Hand Auger to 5.0' Marl M25 vibratory hammer
BORING NUMBER	SBL0346
SAMPLING METHOD:	2" brass sleeve, manual drive 1.5" acetate liner, continuous core
SHEET	1 OF 2
SURFACE CONDITIONS:	0.2' Asphalt
DRILLING START TIME	
DRILLING FINISH TIME	
DATE	6-9-03
DATE	6-9-03

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 gray (10YR 3/1) CLAY w/ fine sand and some gravel, moist, stiff
							1		
							2		
							3		
							4		- Becomes sandy, brown (10YR 4/3)
							5	SM	Olive-brown (2.5Y 4/3) and light yellowish-brown (10YR 6/4) silty fine SAND w/ ~~some~~ little clay, root casts, slight volatile odor, damp, dense, light staining
	4.0 / 3.9								
							6		
							7		
							8		- Becomes ~~light~~ no olive-brown
							9		- Becomes moderate odor, light staining (light olive-brown (2.5Y, 5/6) no or very faint root casts
	4.0 / 3.8					SSS01821			
							10		

BY Mark Wanek

DATE 6-9-03 CHECKED BY DLM

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351-33-23

DRILLING METHOD:	BORING NUMBER
Hand Auger to 5.0'	
Marl M25 vibratory hammer	SBL0346
SAMPLING METHOD:	**SHEET**
2" brass sleeve, manual drive	2 OF 2
1.5" acetate liner, continuous core	

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.2' Asphalt		
	DATE 6-9-03	DATE 6-9-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
								SM	
							10		
							11		
							12		- Becomes w/ silt, med. dense, faint odor
							13		
	4.0 / 3.8								- Becomes pale yellow (2.5Y, 7/3) and olive-brown (2.5Y, 4/4), silty, very fine sand w/ gravel, very dense
							14	CL	Light olive-brown (2.5Y, 5/4) silty CLAY w/ trace very fine sand, moist, m...
								SM	Yellowish-brown (10YR, 5/4) silty very fine SAND, trace gypsum, moist, dense, root casts faint petrochemical odor
							15		
							16		- 0.2' lens of light olive-brown clay
							17		Boring completed to ~17' on 6-9-03
							18		
							19		
							20		

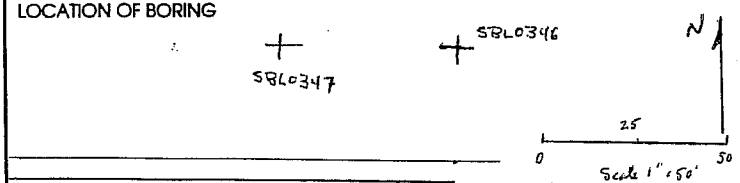
DRILLING CONTRACTOR Gregg

BY Mark Wanek

DATE 6-9-03 CHECKED BY DLM

BORING LOG

LOCATION OF BORING



DATUM... Nikon Bldg

ELEVATION Landscaping

JOB NUMBER	28906318.01000
LOCATION	(Nikon) APN 7351-33-23
DRILLING METHOD:	Hand Auger to 4.9' Marl M25 vibratory hammer
BORING NUMBER	SBL0347
SAMPLING METHOD:	2" Brass sleeves, manual drive 1.5" acetate line, continuous core
SHEET	1 OF 2
SURFACE CONDITIONS:	0.2' Asphalt
DRILLING START TIME	
DRILLING FINISH TIME	
DATE	6-9-03
DATE	6-9-03

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 gray (10YR, 3/1) CLAY w/ fine sand and some gravel, moist, stiff
							1		
							2		- Becomes sandy
							3		- Becomes brown (10 YR, 4/3)
							4	SC	Dark yellowish-brown (10YR, 4/6) clayey fine SAND w/ some silt, moist, dense, faint odor
	4.0 / 3.5						5		- Root casts
							6	SM	Dark yellowish-brown (10 YR, 4/6) silty fine SAND w/ little clay, moist, dense, root casts, faint odor
							7		
							8		
	4.0 / 3.7						9		- Becomes yellowish-brown (10 YR, 5/6), root casts faint, odor moderate
							10		- Becomes mottled w/ olive-brown (~~10YR~~ 2.5Y, 4/4)

BY Mark Wanek

DATE 6-9-03

CHECKED BY DLM

BORING LOG

LOCATION OF BORING

DATUM... ELEVATION

JOB NUMBER	LOCATION
289063/8.01000	APN 7351-33-23

DRILLING METHOD:	BORING NUMBER
Hand Auger to ~4.9 feet Mar 425 vibratory hammer	SBL0347

SAMPLING METHOD:	SHEET
~~4.5~~ 2" Brass sleeve, manual drive 1.5" acetate liner, continuous core	2 OF 2

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.2' Asphalt	DATE 6-9-03	DATE 6-9-03

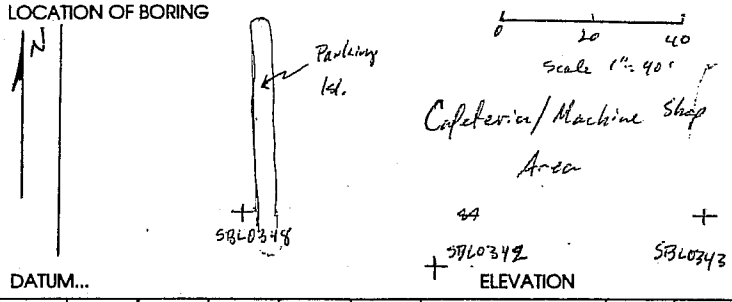
DRILLING CONTRACTOR Greg

BY Mark Wheeler DATE 6-9-03 CHECKED BY DJM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	
									• Becomes mottled w/ olive-brown (~~10~~ 2.5Y, 4/4) (Light staining?)
							11		• Becomes decreased silt, med. dense
							12		
						SSS01822			
							13		
	4.0 / 3.0								
							14	CL	Light olive-brown (2.5Y, 5/6) silty CLAY w/ some very fine sand, moist, soft-med. stiff, rootcasts, moderate odor
								SM	Light olive-brown (2.5Y, 5/4) silty very fine SAND moist, med. dense, trace gypsum
							15		
									- Becomes interlayered w/ clay
							16		
							17		
									Boring completed to ~17' on 6-9-03
							18		
							19		
							20		

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION (Viking)
28906~~XX~~318.01000	APN 7351-31-20

DRILLING METHOD:	BORING NUMBER
Hand Auger to 51'	SBL0348
Mar1 M25 vibrating hammer	
SAMPLING METHOD:	**SHEET**
2" brass sleeve, manual drive	1 OF 2
1.5" acetate liner	

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.25' Asphalt		
	DATE 6-9-03	DATE 6-9-03

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
								SM	Grayish brown (10YR, 5/2) silty fine SAND w/ gravel and clay, moist, dense
							1		
							2		
					0.4				- Becomes black, gravelly, petroleum odor
							3		
							4		- ~~Bec~~ Debris (concrete?) rough hand augering
						SS501823		CL	
	4.0 / 3.9				0.2		5		- Becomes brown (10YR, 4/3) w/ some sand and trace silt, no gravel, root casts, no odor
							6	SM	Dark yellowish-brown (10YR, 4/6) silty fine SAND w/ trace clay, moist, dense, root casts
					0.1		7		
							8		- Becomes yellowish-brown (10YR, 5/4)
					0.2		9		
	4.0 / 3.0				0.2				
							10		

DRILLING CONTRACTOR Gregg

BY Mark Wanek CHECKED BY DLM

DATE 6-9-03

BORING LOG

LOCATION OF BORING

JOB NUMBER: 289063 18.01000

LOCATION: APN 7351-31-20

DRILLING METHOD: Hand Auger to Mini M25 vibratory hammer

BORING NUMBER: SBL 0348

SAMPLING METHOD: 2" Brass sleeve, manual drive 1.5" acetate liner

SHEET: 2 OF 2

DRILLING START TIME:

DRILLING FINISH TIME:

DATUM...

ELEVATION

SURFACE CONDITIONS: 0.25' Asphalt

DRILLING START DATE: 6-9-03

DRILLING FINISH DATE: 6-9-03

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	Soil
					0.1			
							11	
					0.2		12	
	4.0 / 1.7				0.1		13	
					0.1		14	
							15	
							16	
							17	
							18	
							19	
							20	

-Becomes dark yellowish-brown (10YR 4/6), med. dense

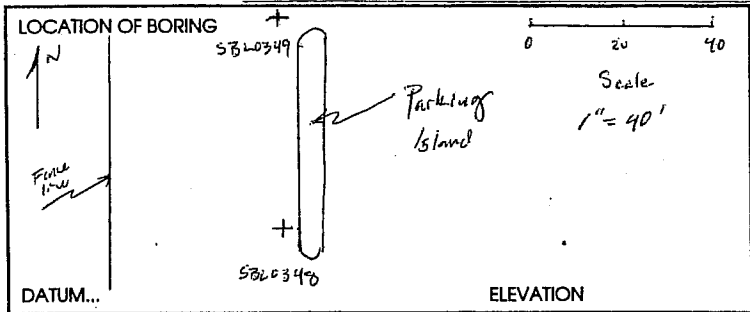
Boring completed to ~17' on 6-9-03

BY Mark Ashcraft CHECKED BY DLM

DATE 6-9-03

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION

JOB NUMBER	LOCATION (Viking)
28906318.01000	APN 7351 ~~7152~~-31-20

DRILLING METHOD:	BORING NUMBER
Hand Auger to 4'	SBL0349
Marl M25 Vibratory hammer	
SAMPLING METHOD:	**SHEET**
2" brass sleeve, manual drive	1 OF 2
1.5" acetate sleeve, continuous core	

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.25 Asphalt		
	DATE 6-9-03	DATE 6-9-03

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 (10YR, 3/2) silty CLAY w/ fine sand & little gravel, moist, stiff
							1		
						SSS01824	2		
							3		
							4		- Concrete-lined ~~former sump~~ structure (former sump?)
							5		
	4.0 / 3.5				0.6		6	SM	Dark yellowish-brown (10YR, 4/6) silty fine SAND w/ trace clay, moist, dense, root casts
					0.1	SSS01825	7		
							8		
								CL	mw Dark yellowish-brown (10YR, 4/4) sandy clay w/ ~~silt~~ trace silt, moist, dense, root casts
					0.1		9		
	4.0 / 3.2				0.1		10		

BY Mark Wanek CHECKED BY DLM

DATE 6-9-03

BORING LOG

LOCATION OF BORING

DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	APN 7351-31-20

DRILLING METHOD:	BORING NUMBER
Hand Auger to 4' Mark M25 vibratory hammer	SBL0349
SAMPLING METHOD:	SHEET
2" brass sleeve, MANUAL drive 1.5" acetate liner, continuous core	2 OF 2
	DRILLING START TIME / FINISH TIME
SURFACE CONDITIONS:	DATE 6-9-03 / DATE 6-9-03
0.25' Asphalt	

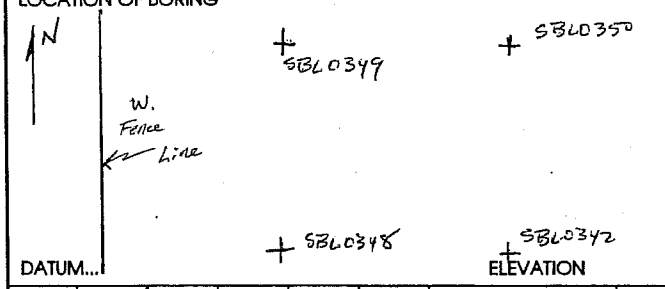
DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	CL/ML ~~SM~~ SM	
	4.0 / 3.2				0.1				Yellowish-brown (10YR, 5/4) silty, fine SAND w/ trace clay, moist, dense, root casts / burrows
							11		
							12		
					0.1		13		* Becomes med. dense
							14		
							15		Boring completed to ~15'
							16		
							17		
							18		
							19		
							20		

BY Mark Wenck DATE 6-9-03 CHECKED BY DLM

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION (viking)
28706318.01000	APN 7351-31-20

DRILLING METHOD:	BORING NUMBER
Hand Auger to 2.9'	SBL0350
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive	1 OF 1
	DRILLING START TIME / FINISH TIME
SURFACE CONDITIONS:	DATE 6-9-03 / DATE 6-9-03
0.25' 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
					0.1	SS501826	0	A/C
							1	SM
							2	
							3	
							4	
							5	
							6	
							7	
							8	
							9	
							10	

A/C

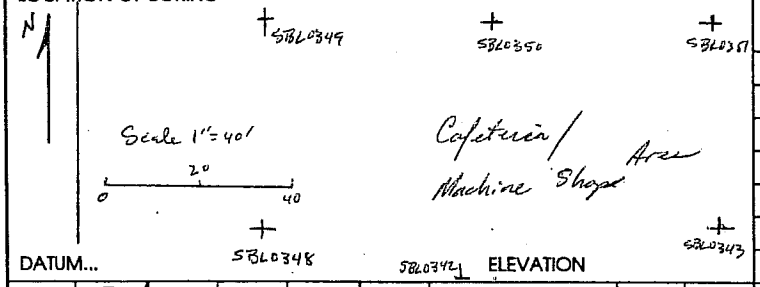
Brown (10YR 4/3) silty fine-med SAND w/ gravel and some clay

~~Ref~~ Boring completed to 2.9'
(Refusal - unknown utility)

BY Mark Wanek DATE 6-9-03 CHECKED BY DLM

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	Viking 7351 - 31-20

DRILLING METHOD:	BORING NUMBER
Hand Auger to 2.7'	SBL0351
SAMPLING METHOD:	SHEET
2" Brass Sleeve, manual drive	1 OF 1

DRILLING	START	FINISH
TIME		
DATE	6-9-03	6-9-03

SURFACE CONDITIONS: 0.25' Aspheet

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
						MW 55501827	0	A/C
							1	CL
							2	No Sample
							3	
							4	
							5	
							6	
							7	
							8	
							9	
							10	

Asphalt

Very dark grayish-brown (10YR, 3/2) silty CLAY w/ sand & gravel, moist, med. stiff-stiff

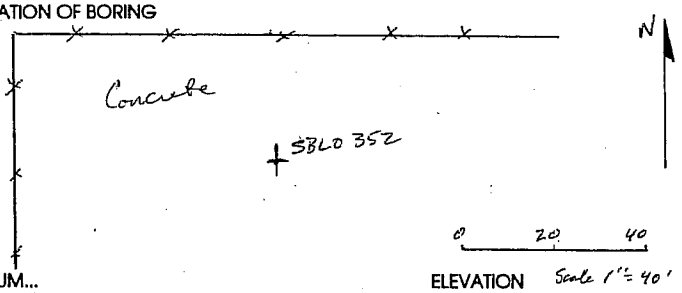
~~Refusal at~~ Boring completed to ~2.7' on 6-9-03 (Refusal-concrete)

BY Mark Wanek CHECKED BY DCM

DATE 6-9-03

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	(Ferro Union) APN 7351-34-58

DRILLING METHOD:	BORING NUMBER
Marl M25 auger Hand auger	SBL0352
SAMPLING METHOD:	SHEET
2" Brass sleeve manual drive	1 OF 1
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME / TIME
0.65' Concrete	09/0
	DATE / DATE
	6-10-03 / 6-10-03

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
							1	SM
							2	
						SSS01827		
							3	
							4	
							5	
							6	
							7	
							8	
							9	
							10	

Concrete

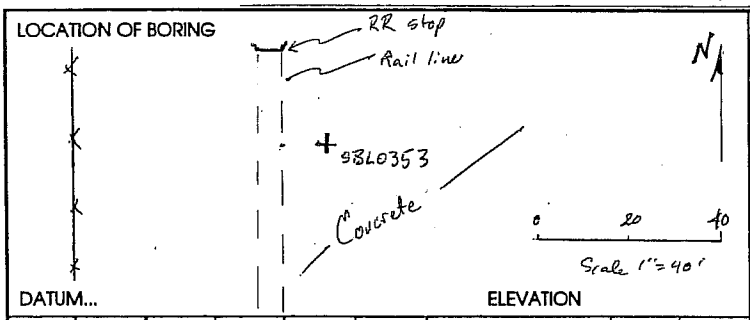
Very dark brown (10YR, 2/2) silty fine - very coarse SAND w/ gravel, moist, dense, heavy-end hydrocarbon odor

Boring completed to 2.6' (refusal) on 6-10-03

BY Mark Wenke DATE 6-10-03 CHECKED BY DWM

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION

JOB NUMBER	LOCATION (Ferro Union)
28906318x01000	APN 7351-34-58

DRILLING METHOD:	BORING NUMBER
Marl M25 auger, 4" bit Hand auger	SBL0353
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive	1 OF 1

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.5' Concrete	DATE 6-10-03	DATE 6-10-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	A/C	Concrete
							1	CL	Very dark gray (10YR 3/1) CLAY w/ sand and some silt and gravel, moist, stiff
							2		
					0.1	SSS01828	3		
							4		- Becomes dark grayish-brown (2.5Y, 4/2), sandy, soft
							5	SC	~~Becomes~~ dark yellowish-brown (10YR, 4/4) clayey fine SAND w/5% moist, med. dense
							6		Boring completed to 5.0' on 6-10-03
							7		
							8		
							9		
							10		

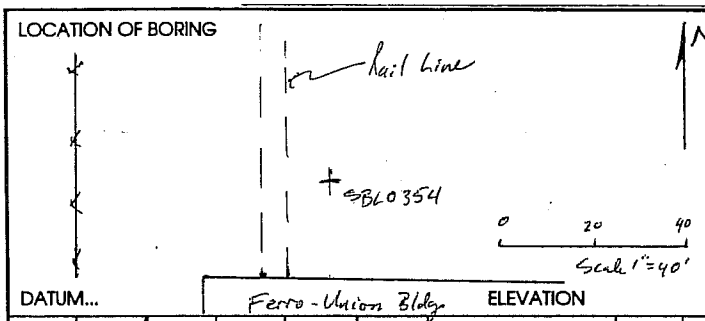
DRILLING CONTRACTOR Gregg

BY Mark Wanek

DATE 6-10-03 CHECKED BY DCM

BORING LOG

LOCATION OF BORING



DATUM... Ferro-Union Bldg. ELEVATION

JOB NUMBER	LOCATION (Ferro Union)
2890618.01000	APN 7351-34-58
DRILLING METHOD:	BORING NUMBER
Mobil M25 auger, 4" O.D. Hand Auger	SBL0354
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive	1 OF 1
#	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME / TIME
0.5' Concrete	DATE 6-10-03 / DATE 6-10-03

DRILLING CONTRACTOR Cascade

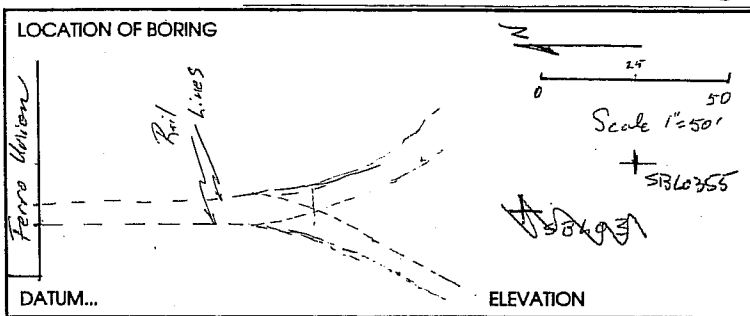
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	A/C	Concrete
							1	CL	Very dark grayish-brown (10 YR 3/2) clay w/ some fine sand & silt, trace gravel, moist
					0.2	SSS01829	2		
							3		Boring completed to 2.8' (Refusal - pipe ?)
							4		
							5		
							6		
							7		
							8		
							9		
							10		

BY Mark Wanek CHECKED BY DLM

DATE 6-10-03

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION

JOB NUMBER	LOCATION
28906318.01000	Ferro Union APN 7351-34-58

DRILLING METHOD:	BORING NUMBER
Marl M25 auger, 4" bit Hand auger	SBL0355
SAMPLING METHOD:	SHEET
2" brass sleeves	1 OF 1

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.25' Asphalt	DATE 6-10-03	DATE 6-10-03

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
								GM ~~CL~~ ~~GW~~	Very dark gray ~~and~~ (10YR, 3/1), & light gray (10YR, 7/2) silty GRAVEL w/ fine sand & some clay
							1		
						SSS01830	2	CL	Very dark gray (10YR, 3/1) CLAY w/ little fine sand, & trace silt & gravel, moist, stiff
							3		~~Void space (?)~~ Bring opens up into void space >5' deep.
							4		
							5		
							6		
							7		
							8		
							9		
							10		

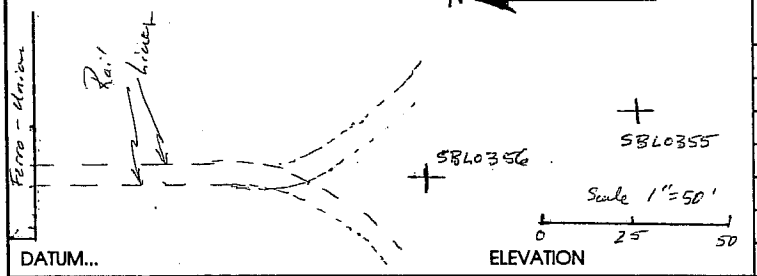
DRILLING CONTRACTOR Gregg

BY Mark Wanek

DATE 6-10-03 CHECKED BY DLM

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906818.01000	APN 7351-34-58

DRILLING METHOD:	BORING NUMBER
Manl M25 auger, 4" bit Hand auger	SBL0356
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive	1 OF 1
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME / TIME
0.25' Asphalt	DATE 6-10-03 / DATE 6-10-03

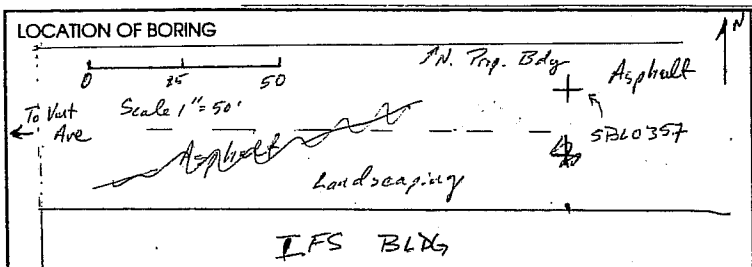
DRILLING CONTRACTOR Gregg

BY Mark Wanek DATE 6-10-03 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	A/C	Asphalt
								GM	Dark grayish-brown (10YR, 4/2) silty GRAVEL w/ sand & little clay, damp, dense
							1		
						SSS01831	2	CL	Very dark grayish-brown (10YR, 3/2) CLAY w/ sand & silt and trace gravel, moist, stiff
							3		(54, 4/4) - Becomes olive, sandy w/ silt
							4		
							5	SM	Dark yellowish-brown (10YR, 4/6) silty fine sand w/ trace clay, moist, dense Boring completed to 5.0' very dense
							6		
							7		
							8		
							9		
							10		

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION

JOB NUMBER	28906318.01000
LOCATION	IFS APN 7351-33-31
DRILLING METHOD:	Hand Auger to 5.0'
BORING NUMBER	SBL0357
SAMPLING METHOD:	2" Brass sleeve, manual drive
SHEET	1 OF 1
SURFACE CONDITIONS:	0.25' Asphalt
DRILLING START TIME	1355
DRILLING FINISH TIME	1420
DATE	6-10-03
DATE	6-10-03

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
								GM	Very dark grayish-brown (10YR, 3/2) silty Gravel w/ clay & fine sand, moist, dense
							1	CL	Dark yellowish-brown (10YR, 4/4) & brown (10YR, 4/3) sandy CLAY w/ silt & trace gravel, moist, dense
		1400			0.1	SSS01832	2		
							3		
							4		
							5		Boring completed to 5.0' on 6-10-03
							6		
							7		
							8		
							9		
							10		

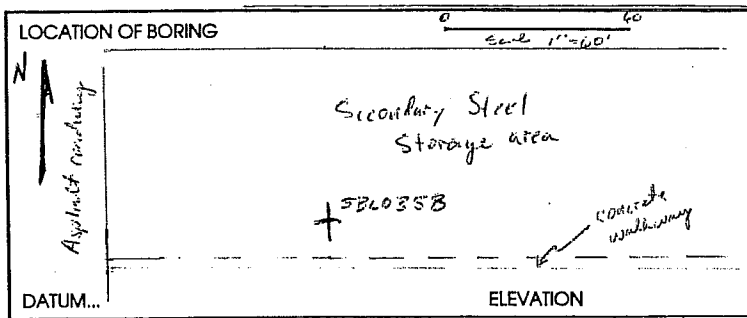
DRILLING CONTRACTOR Gregg

BY Mark Wauck

DATE 6-10-03 CHECKED BY DLM

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	Ferro-Union 7351 - 34.58

DRILLING METHOD:	BORING NUMBER
Hand Auger to 15.0'	SBL0358

SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive	1 OF 2

SURFACE CONDITIONS:	DRILLING START	DRILLING FINISH
Soil (clay)	TIME 1030	TIME 1115
	DATE 6-23-03	DATE 6-23-03

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	Brown (10YR, 4/3) CLAY w/ fine sand, moist, med. stiff
							1		
					1.0				
							2		
					1.3				- Becomes olive gray (5Y, 4/2) + dk olive gray (5Y, 3/2), very ~~dense~~ stiff, faint petroleum odor, little gravel
							3		
		1045			1.2	SSS01833			
							4		
							5		
							6		
							7		- Becomes brown (10YR, 4/3), some sand, no gravel med. ~~dense~~ stiff
							8		
							9		- Becomes yellowish-brown (10YR, 5/4), sandy w/ silt
							10		

BY Mark Wheeler CHECKED BY DLM

DATE 6-23-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000 ~~7351-34-58~~	Ferro - Union APN 7351-34-58

DRILLING METHOD:	BORING NUMBER
Hand Auger to 15.0'	SBL0358

SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START	DRILLING FINISH
Soil	TIME 1030 ~~110~~	TIME 1055 ~~1115~~
	DATE 6-23-03	DATE 6-23-03

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	
							13	
							14	
							15	
							16	
							17	
							18	
							19	
							20	

- Becomes yellow-brown (10YR, 5/5)

Boring completed to 15.0' on 6-23-03

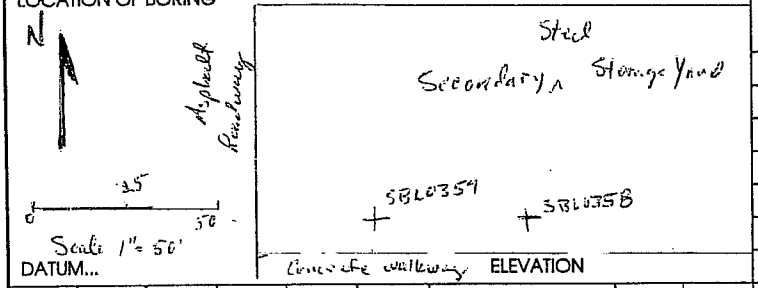
DRILLING CONTRACTOR Gregg

BY Mark Wanch CHECKED BY DLM

DATE 6-23-03

BORING LOG

LOCATION OF BORING



Scale 1" = 50'

DATUM...

ELEVATION

JOB NUMBER	LOCATION
28906318.01000	Ferro-Union APN 7351-34-58

DRILLING METHOD:	BORING NUMBER
Hand Auger to 15.8'	SBL0359
SAMPLING METHOD:	SHEET 1 OF 2
2" Brass sleeve, manual drive	

SURFACE CONDITIONS:	DRILLING START	DRILLING FINISH
	TIME 1100	TIME 1150
Clay	DATE 6-23-03	DATE 6-23-03

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	Very dark gray (10YR, 3/1) and brown (10YR, 4/3) clay w/ some fine-coarse sand & trace gravel, damp, very stiff
							1		
		1105			0.2		2		
							3		
							4		
		1130			0.2	SSS01834	5		-Becomes dark olive-gray (5Y, 3/2) & very dark gray (5Y, 3/1), moist, root & hair faint petroleum odor, med. stiff
							6		-Becomes very dark gray (2.5Y, 3/1) and black (2.5Y, 2.5/1), organic odor
							7	SM	Becomes dark yellowish-brown (10YR, 4/6), sandy
									Dark yellowish-brown (10YR, 4/6) silty very fine-fine SAND, moist, dense
							8		
							9		
							10		

BY Mark Wanek

DATE 6-23-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351-34-58

DRILLING METHOD:	BORING NUMBER
Hand Auger to 15.8'	SBL0~~360~~ 359
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
Clay	1100	1150
	DATE 6-23-03	DATE 6-23-03

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	
							13	
							14	
							15	
							16	
							17	
							18	
							19	
							20	

Boring completed to 15.8' on 6-23-03

DRILLING CONTRACTOR Gregg

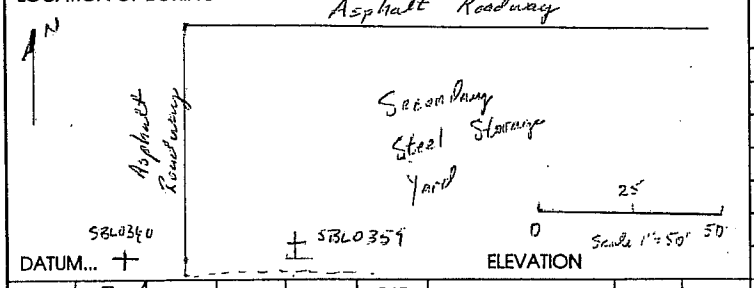
BY Mark Wanek

DATE 6-23-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... +

ELEVATION

JOB NUMBER	28906318.01000
LOCATION	Ferro-Union APN 7351-34-58
DRILLING METHOD:	Marl M25, vibratory hammer
BORING NUMBER	SBL0360
SAMPLING METHOD:	1.5" acetate sleeve, cont's core
SHEET	1 OF 2
SURFACE CONDITIONS:	0.2' Asphalt
DRILLING START TIME	1200
DRILLING FINISH TIME	1300
DRILLING DATE	6-23-03
DRILLING DATE	6-23-03

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	
	4.0 / 3.8							CL	Very dark brown (10YR, 2/2) CLAY w/ sand & some silt, moist, med. stiff
							1		
		1207			0.3	SSS 01835	2		- faint petroleum odor / organic odor
							3		
	4.0 / 3.6						4		
							5		
							6	SM	Yellowish-brown (10YR, 5/6) silty, very fine SAND, moist, dense, rot casts
							7		
	4.0 / 3.4						8		- Becomes light olive-brown (2.5Y, 5/4)
							9		
							10		

BY Mark Wanek

DATE 6-23-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER	LOCATION
2890618.01000	APN 7351-34-58'

DRILLING METHOD:	BORING NUMBER
Mark 1425 vibratory hammer	SBL0360

SAMPLING METHOD:	SHEET
1.5" acetate liners.	2 OF 2

DRILLING CONTRACTOR Gregg

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.2' asphalt	1200	1300
	DATE 6-23-03	DATE 6-23-03

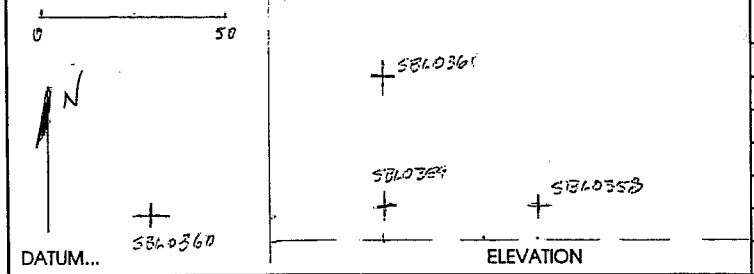
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	
							11		
							12		
	4.0 / 3.9				1.7				
							13		- Becomes loose, clayey, increased root mats
									- Becomes increased silt
							14		
							15		
							16		
									Boring completed to ~16' on 6-23-03
							7		
							8		
							9		
							0		

BY Mike Wanke DATE 6-23-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	Ferro-Union APN 7351-34-58

DRILLING METHOD: Hand Auger to 15.3'

BORING NUMBER: SBL0361

SAMPLING METHOD: 2" Brass sleeve, manual drive

SHEET: 1 OF 2

DRILLING: START TIME 1500 DATE 6-23-03; FINISH TIME 1545 DATE 6-23-03

SURFACE CONDITIONS: CLAY

DRILLING CONTRACTOR Gregg

BY Mark Wanek DATE 6-25-03 CHECKED BY DLM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							0	
							1	
					0.3		2	
							3	
		1520			5.5	SSS01836	4	
					32			
							5	
							6	
							7	
							8	
							9	
							10	
								CL-SC

Brown (10YR 4/3) CLAY w/ sand & some silt, moist, med. stiff

- Becomes very dark grey (5Y 3/1)

- Becomes olive grey (5Y 4/2), moderate-strong petroleum odor at 3.6'

- Becomes yellowish-brown (10YR 5/6), ~~[illegible]~~ sandy, no pet. odor at ~7.7'

Yellowish-brown (10YR 5/6) sand, CLAY-clayey fine SAND, moist, med dense

BORING LOG

LOCATION OF BORING

JOB NUMBER: 25906318.01000

LOCATION: APN · 7351-34-58

DRILLING METHOD: Hand Auger to 15.3'

BORING NUMBER: SBL 0361

SAMPLING METHOD: 2" Brass Sleeve, manual drive

SHEET: 2 OF 2

DRILLING START TIME: 1500 DATE: 6-23-03

DRILLING FINISH TIME: 1545 DATE: 6-23-03

DATUM... ELEVATION

SURFACE CONDITIONS: Clay

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-CL
							11	SM
							12	
							13	
							14	
							15	
							16	
							17	
							18	
							19	
							20	

Light olive-brown (2.5Y, 5/4) silty, very fine SAND w/ trace clay, moist, med. dense

"Boring completed to 15.3' on 6-23-03

BY Mark Johnson CHECKED BY DUM

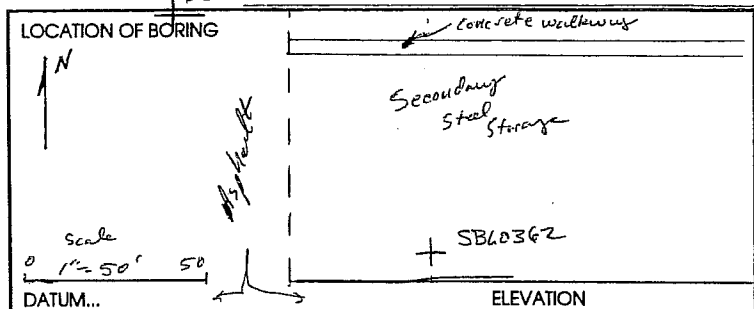
DATE 6-23-03

DAMES & MOORE

BORING LOG

SBL0360

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER 28906318.01000

LOCATION Ferro-Union APN 7351-34-58

DRILLING METHOD: Mari M25 vibratory hammer

BORING NUMBER SBL0362

SAMPLING METHOD: 1.5" Acetate liner, cont's core

SHEET 1 OF 2

DRILLING CONTRACTOR Geo-Eng

DRILLING START TIME 1550 DATE 6-23-03

DRILLING FINISH TIME 1640 DATE 6-23-03

SURFACE CONDITIONS: CLAY

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 trace gravel, mottled w/ dark yellowish-brown (10YR, 4/4)
	4.0 / 3.6	1610			0.2		1		
					1.7	SSS01837	2		
									- Becomes solid color dark brown (10YR, 3/3) no gravel
							3		
					0.6				
	4.0 / 3.7	1620			0.2		4		
							5		
					0.3 / 1.7 ppm		6		- Becomes trace gravel
							7	SM	yellowish-brown (5/4) silty very fine SAND ~~w/ clay~~
					0.2 / 0.6 ppm				
							8		
	4.0 / 3.6	1628			0.6				
							9		- Becomes dark yellowish-brown (10YR, 4/4), root casts, trace gypsum
					1.9		10		

BY Mark Wanek DATE 6-23-03 CHECKED BY DUM

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER: 2890638.01000

LOCATION: APN 7351-34-58

DRILLING METHOD: Mark M25 vibratory hammer

BORING NUMBER: SBL0362

SAMPLING METHOD: 1.5" acetate liners, cont'l core

SHEET: 2 OF 2

DRILLING START TIME: 1550 DATE: 6-23-03

DRILLING FINISH TIME: 1640 DATE: 6-23-03

SURFACE CONDITIONS: clay

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
					1.9		10	SM
							11	
					0.9			
							12	
	4.0 / 3.9	1637			0.5			
							13	
							14	
							15	
					1.2			
							16	
							17	
							18	
							19	
							20	

- Becomes light olive-brown (2.5 YR, 5/4) decreased silt, mod. dense

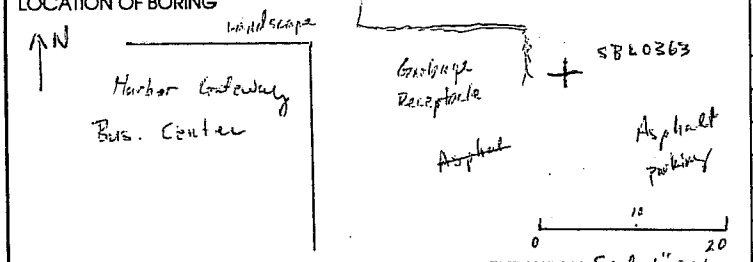
Boring completed to ~16' on 6-23-03

BY Mark Ubaldo DATE 6-23-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION Scale 1"=20'

JOB NUMBER	LOCATION
28906318.01000	AS Johnston APN 7351-33-26

DRILLING METHOD:	BORING NUMBER
Hand Auger to 5.6' Mart M25, vibratory hammer	SBL0363
SAMPLING METHOD:	SHEET 1 OF 2
2" Brass sleeve, manual drive 1.5" acetate liner, continuous core	DRILLING START TIME 0730 DATE 6-24-03 / FINISH TIME 0840 DATE 6-24-03
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	
							0	A/C	Asphalt
								CL	Very dark gray (10YR, 3/1) CLAY w/ trace fine sand and silt ~~and~~ moist, stiff
							1		
							2		
					12.5				- Becomes olive-brown (2.5Y, 4/3), w/ gravel slight volatile/petrochemical odor
					0.1		3		
							4		
	4.0 / 3.1	0823			1.2				
							5	GW	Black (10YR, 2.5/1) clayey gravel, dry, very dense
								CL	Dark olive-gray (5Y, 3/2) CLAY w/ sand and some silt, moist, med. stiff, light pet. odor
					0.1		6		
							7		
		0823	6.8-7.8		30.9	SSS01838			
					~~0.2~~ mw			SM	Very dark gray (5Y, 3/1) silty fine SAND moist, med. dense, mod. volatile odor
	4.0 / 3.4	0830			0.2		8		
							9		
					34 ~~0.1~~ mw		10		- Becomes olive-brown (2.5Y, 4/3) & light olive-brown (2.5Y, 5/6)

BY Mark Wanek CHECKED BY DLM

DATE 6-24-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351-33-26

DRILLING METHOD:	BORING NUMBER
Hand Auger to 5.6' M25, vibratory	SBL0363
SAMPLING METHOD:	SHEET
2" Brass Sleeve, manual drive 1.5" acetate liner, continuous core	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.3' Asphalt	0730	0840
	DATE 6-24-03	DATE 6-24-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					34 ~~0.1~~ mw			SM	
							10		- faint root casts
							11		
					~~30.9~~ 7				
							12		
	4.0 / 3.8	0835			0.1 ~~0.2~~ mw				- decreased odor
							13		
					2.8 ~~3.4~~ mw				- increased odor
							14		
							15		
									- Becomes light olive-brown (2.5Y, 5/6), little odor
					2.7		16		
									~~Becomes~~ Boring completed to ~16' on 6-24-03
							17		
							18		
							19		
							20		

DRILLING CONTRACTOR Gregg

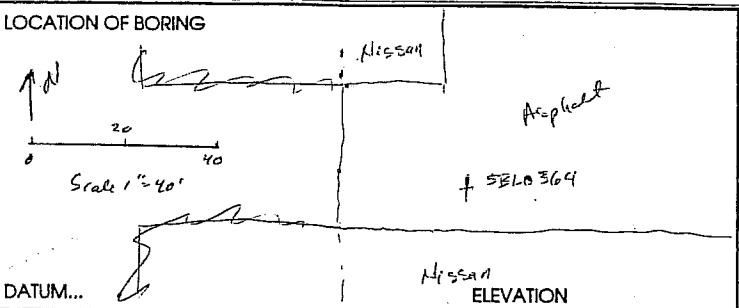
BY Mark Wank CHECKED BY DLM

DATE 6-24-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION

JOB NUMBER	LOCATION (Arden)
28906318.01000	APN 7351-31-22/28

DRILLING METHOD:	BORING NUMBER
Hand Auger to 2.5' Mar1 M25 vibratory hammer	SBL0364
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive 1.5" acetate liner, continuous core	1 OF 2
SURFACE CONDITIONS:	DRILLING START TIME 0850 DATE 6-24-03; FINISH TIME 0950 DATE 6-24-03
1.25' 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	
							0	A/C	Asphalt
								SC	Light yellowish-brown (2.5Y, 6/4) clayey fine SAND w/ silt and gravel/very coarse sand
							1		
	4.0 / 3.8	0930	2.0-2.5		0.2	SSS01839	2		
	4.0 / 3.8				0.2				
					0.1		3		
							4		
								CL	Dark grayish-brown (10YR, 4/2) & dark yellowish-brown (10YR, 4/4) sandy CLAY w/ some silt and gravel
							5		
					0.1		6		
	4.0 / 3.1	0947			0.1				
		0947	7.0-7.5		0.1	SSS01840	7		- ~~[illegible]~~ Becomes gravelly
							8		
								SC	Dark yellowish-brown (10YR, 4/4) clayey fine SAND w/ silt, moist, med. dense, root casts
					0.1		9		
							10		

BY Mark Wanek CHECKED BY DLM

DATE 6-24-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING

DATUM...

ELEVATION

JOB NUMBER	LOCATION
28906318.01000	APN 7351-31-22/28

DRILLING METHOD: Hand Auger to 2.5' Mcl M25 vibratory hammer

BORING NUMBER: SBL0364

SAMPLING METHOD: 2" Brass sleeve, manual drive 1.5" acetate liner, continuous core

SHEET 2 OF 2

SURFACE CONDITIONS: 0.25' Asphalt

DRILLING

START	FINISH
TIME 0850	TIME 0950
DATE 6-24-03	DATE 6-24-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					0.1			SC	
							10		
	4.0 / 3.2				0.1				Becomes dense
							11		
							12		
								SM	
					0.1		13		Dark yellowish-brown (10YR 4/4) silty fine-med ~~[illegible]~~ SAND w/ clay (decreasing gradually to trace clay by bottom of boring)
							14		
							15		Boring completed to ~14.5' on 6-24-03
							16		
							17		
							18		
							19		
							20		

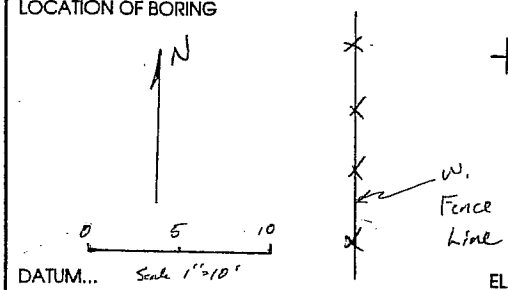
BY Mark Wanek

DATE 6-24-03 CHECKED BY DCM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... Scale 1"=10'

ELEVATION

JOB NUMBER	LOCATION
28906318.01000	Arden APN 735-31-21

DRILLING METHOD:	BORING NUMBER
Mark M25 vibratory hammer	SBL0365
SAMPLING METHOD:	SHEET
1.5" acetate sleeves	1 OF 2
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME: 1030 / 1200
0.25' Asphalt	DATE: 6-24-03 / 6-24-03

DRILLING CONTRACTOR Gregg

BY Mark Wanek DATE 6-24-03 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	A/C	Asphalt
	4.0 / 2.8	1048			0.1			CL	Dark brown (10YR, 3/3) sandy CLAY w/ silt & fine gravel
							1		
		1048	1.5-2.0		0.2	SSS01841	2		
									- Becomes intermittent concrete / gravel debris
							3		
							4		
	4.0 / 1.0				0.1				- Becomes no concrete, gravelly, mottled w/ dark yellowish-brown
					0.1		5		
							6		
							7		
	4.0 / 3.7	1115					8		Fibrous pipe
		1115	9.25-9.75		0.1	SSS01842	9	SC	Dark yellowish-brown (10YR, 4/6) clayey fine SAND w/ silt, moist, dense, root casts
							10		

BORING LOG

LOCATION OF BORING

DATUM...

ELEVATION

JOB NUMBER: 28906318.01000

LOCATION: Arden APN 7351-31-21

DRILLING METHOD: Marl M25 vibratory hammer

BORING NUMBER: SBL036~~4~~5

SAMPLING METHOD: 1.5" acetate sleeves

SHEET: 2 OF 2

SURFACE CONDITIONS: 0.25' Asphalt

DRILLING

START	FINISH
TIME	TIME
1030	1200
DATE	DATE
6-24-03	6-24-03

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	SC	
							11		
					0.1				
	4.0 / 2.1	1145					-12		- Root casts more prominent
							13		- Becomes increased silt
					0.1		14		
							15		
							-16		Bring completed to "16' on 6-24-03
							17		
							18		
							19		
							20		

BY Mark Wenck

DATE 6-24-03

CHECKED BY DCM

DAMES & MOORE