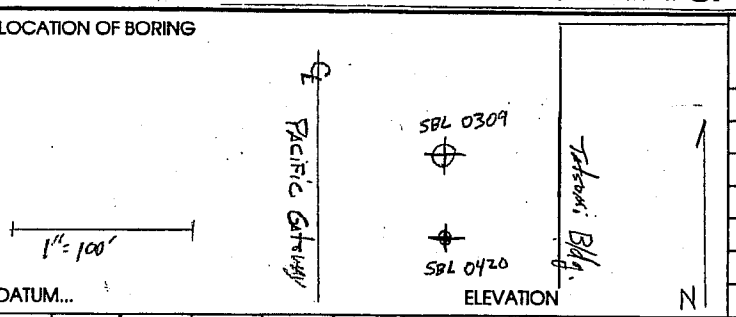
BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION

JOB NUMBER	28906318.01000
LOCATION	Torrance Gateway 7351-34-69
DRILLING METHOD:	Marl M25 Vibratory Hammer Mounted on a Ford F550
BORING NUMBER	SBL 0420
SAMPLING METHOD:	1.5" Diameter Acetate Liner Continuous
SHEET	1 OF 2
SURFACE CONDITIONS:	Asphaltic Concrete
DRILLING START TIME	09:55
DRILLING FINISH TIME	10:30
DRILLING DATE	9-5-03
DRILLING DATE	9-5-03

DRILLING CONTRACTOR Gregg Drilling Santiago and Dujuan

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
									Asphalt Parking Lot
							0	A/C	Asphalt Concrete .25' thick.
								Fill	Dark Gray (N3) Fine to Coarse Sand with Gravel, Wet, Slight Hydrocarbon Odor - Fill
							1	GL	Dark Brown (10YR3/3) - Yellowish Red (5YR4/6) - Greenish Gray Mottled (5G6/1) Lean Clay, Stiff, No Staining, No Unusual Odors, Trace Rootlets
		0958	1.5'-2.5'			SSS 01912	2		Dark Brown (10YR3/3), Trace Wood, Moderate Hydrocarbon Odor at ≈ 18", Moderate Staining Observed.
						Split with CH_2M Hill.			
							3		Yellowish Red (5YR4/6) ↳ Increasing Silt and Sand, Moist.
							4		Greenish Gray (5G6/1), Wet, Soft, Heavy Hydrocarbon Odor; Dark Staining Observed.
							5		
							6	SM	Brownish Yellow (10YR6/8) Silty Sand, Moist, No Staining, Slight Hydrocarbon Odor
							7		
							8		
							9		Decreasing Silt, Slight Hydrocarbon Odor, Moist. No Staining
							10		

131'

BY Mike Makeron DATE 9/5/03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING

See Sheet 1

DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	Torrance Gasoline 7351-34-69

DRILLING METHOD:	BORING NUMBER
Mail M25 Vibratory Hammer	SBL 0420
SAMPLING METHOD:	SHEET
1.5" Diameter Acetate Liner	2 OF 2

DRILLING START TIME	DRILLING FINISH TIME
09:55	10:30
DRILLING START DATE	DRILLING FINISH DATE
9-5-03	9-5-03

SURFACE CONDITIONS:

DRILLING CONTRACTOR

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							10	SM
							1	
							2	
							3	
							4	
							5	SM
							16	XXXX
							7	
							8	
							9	
							0	

Some Yellowish Red Mottling (5YR4/6), Moist, No Staining, Slight Hydrocarbon Odor.

Increasing Silt, Slight Hydrocarbon Odor.

Bottom of Boring at 16' BGS.

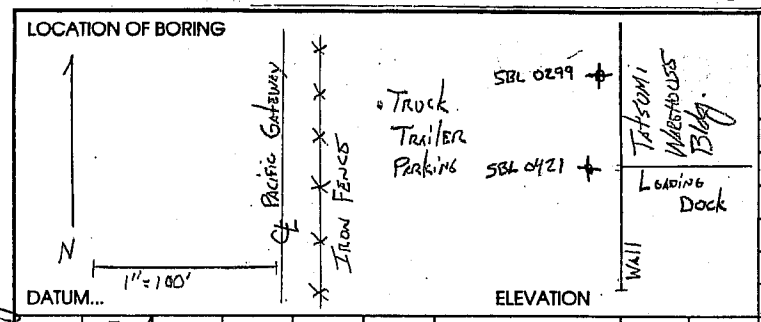
BY Mike Maksoudy CHECKED BY DLM

DATE 9-5-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER 28906318.01000	LOCATION Torrance Gateway 7351-34-69
DRILLING METHOD: Mark M25 Vibratory Hammer Mounted on an F550	BORING NUMBER SBL 0421
SAMPLING METHOD: 1.5" Diameter Acetate Liner Continuous 2" Diameter Rings used with 5/16 Hammer	SHEET 1 OF 2
SURFACE CONDITIONS: Asphaltic Concrete	DRILLING START TIME 11:00 / FINISH TIME 12:50
Hit Refusal at 7' BGS During First Attempt. Hit Refusal at 4' BGS During Second Attempt.	DATE 9-5-03 / DATE 9-5-03

DRILLING CONTRACTOR Gregg Drilling
Sastiago Alan Dijuan

BY Mike Makrdy DATE 9-5-03 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	N/G	Asphaltic Concrete - .25' Thick
								CL (Fill)	Dark Brown (10YR3/3) with Light Brown (10YR8/3) Mottling Lean Clay, Trace Fine Gravel, Medium Stiff, Moist, No Odor, No Staining Observed.
		1153	18'-24"			SSS 01913	1		
							2		
							3		
							4		
							5	CL (Fill)	Brown (10YR5/3) Lean Clay, Trace Concrete Fragments, Moist, No Odor, No Staining, Medium Stiff.
							6	CL	Brown (10YR5/3) To Brownish Yellow (10YR6/8) Lean Clay, Stiff, Moist, No Odor, No Staining.
							7		
							8		
							9	SM	Brown (10YR5/3) To Brownish Yellow (10YR6/8) Silty Fine Sand, Moist, No Odor No Staining
							10		

DAMES & MOORE

BORING LOG

LOCATION OF BORING

SEE SHEET 1

DATUM... ELEVATION

JOB NUMBER 28906318.01000

LOCATION TORRANCE GATEWAY 7351-34-69

DRILLING METHOD: MARL M25 VIBRATORY HAMMER

BORING NUMBER SBL 0421

SAMPLING METHOD: 1.5" DIAMETER ACETATE LINER CONTINUOUS

SHEET 2 OF 2

DRILLING START TIME 11:00 DATE 9-5-03

DRILLING FINISH TIME 17:50 DATE 9-5-03

SURFACE CONDITIONS: ASPHATIC CONCRETE

DRILLING CONTRACTOR GREGG DRILLING

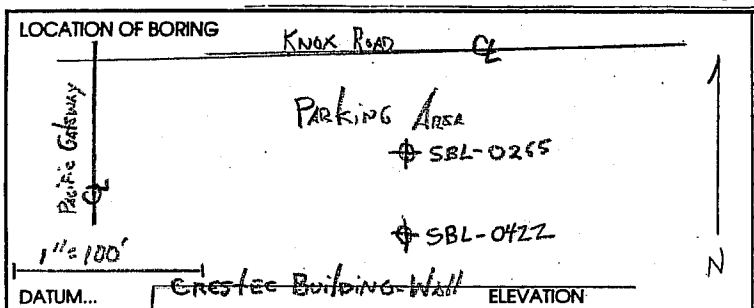
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	
							1		INCREASING FINE SAND, NO ODOR, NO STAINING.
							2		
							3		
							4		
							5		LIGHT BROWN (10YR 8/3) MOTTLING, TRACE FINE GRAVEL, NO ODOR, NO STAINING.
							16		BOTTOM OF BORING AT 16' BGS.
							7		
							8		
							9		
							0		

BY MARK HARGROVE DATE 9-5-03 CHECKED BY DCM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... Crestec Building Wall ELEVATION

JOB NUMBER 28906318.01000

LOCATION Crestec 7351, 34 72

DRILLING METHOD: Mar M25 Vibratory Hammer Mounted on F550

BORING NUMBER SBL-0422

SAMPLING METHOD: 1.5" Diameter Acetate Liners Continuous Coring

SHEET 1 OF 2

SURFACE CONDITIONS: Asphaltic Concrete

DRILLING

START	FINISH
TIME 1415	TIME 1435
DATE 9-5-03	DATE 9-5-03

DRILLING CONTRACTOR Gregg Drilling Santiago and Dejuan

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	A/C	Asphaltic Concrete - .25' Thick
								CL	Brown (10YR5/3) - Brownish Yellow (10YR6/8) Mottled, Lean Clay, Trace Fine Gravel, Soft, Moist, Moderate Dark Staining Observed in Top 4" of Sample, Moderate Hydrocarbon Odor Noted.
						Composite	1		
		1418	0-10'			SSS 01914	2	SM	Brownish Yellow (10YR6/8) with Yellowish Red Mottling (5YR4/6) Sandy Silt, Moist, No Staining Observed, No Odor.
							3		Mottling less Apparent → Brownish Yellow.
							4		Increasing Silt.
							5		
							6		
							7		No Change - Generally Homogeneous.
							8		
							9		
							10		

94

BY Mike Makoro DATE 9-5-03 CHECKED BY DLM

SBC 0265

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
See Sheet 1	28906318.01000	Crosfox 7351 34 72

DRILLING METHOD:	BORING NUMBER
	SBL-0422
SAMPLING METHOD:	SHEET 2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:

DRILLING	START	FINISH
TIME	1415	1435
DATE	9-5-03	9-5-03

DRILLING CONTRACTOR Gregg Drilling

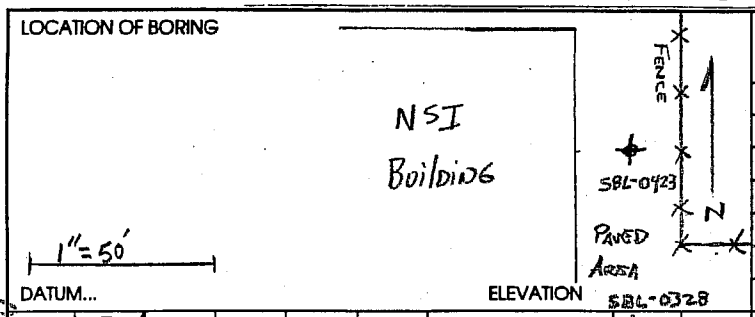
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	Reddish Brown Mottling (10R3/6) Observed.
							1		
							2		No Mottling, Brownish Yellow (10YR6/8)
							3		
							4		
							5	SM.	Brown (10YR5/3) / Brownish Yellow (10YR6/8) No Odor No Staining.
							16		Bottom of Boring at 16' BGS.
							7		
							8		
							9		
							0		

BY Mike Makoron DATE 9-5-03 CHECKED BY DCM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION

JOB NUMBER	28906318.01000
LOCATION	Rossmoore Ent. 7351 34 70
DRILLING METHOD:	Marl M25 Vibratory Hammer Mounted on Ford F550
BORING NUMBER	SBL-0423
SAMPLING METHOD:	1.5" Diameter Acetate Liners Continuous Coring
SHEET	1 OF 2
SURFACE CONDITIONS:	Asphaltic Concrete
DRILLING START TIME	16:00
DRILLING FINISH TIME	16:10
DATE	9-5-03
DATE	9-5-03

DRILLING CONTRACTOR Gregg Drilling Santiago and Dejuan

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	A/C	Asphaltic Concrete - .25' Thick
									Dark Brown (10YR3/3) with Light Brown (10YR8/3), Mottled Lean Clay, Trace Fine Gravel, Moist, No Odor, No Staining.
							1		
									- Dark Brown, Slight Petroleum Hydrocarbon Odor.
		16:00	18-24"			SSS 01915			
							2	SM	Light Brown Silty Fine Sand Moist, No Odor, No Staining Noted.
							3		
							4	CL	Gradational Change into a Dark Brown (10YR3/3) Lean Clay, Soft, Moist, Trace Fine Gravel, No Odor, No Staining.
									→ Very Stiff, No Fine Gravel
							5		
							6		Brownish Yellow (10YR6/8)
							7	ML	Brownish Yellow (10YR6/8) Silt, No Odor, No Staining.
							8		
							9		
							10		

BY Mike Makarov DATE 9-5-03 CHECKED BY DCW

B4 15 30 SBL 0328

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION Rossmoore Ent. 7351 34 76
See Sheet 1	DRILLING METHOD:	BORING NUMBER SBL-0423
	SAMPLING METHOD:	SHEET 2 OF 2
DATUM... ELEVATION		DRILLING START TIME 16:00 DATE 9-5-03 / FINISH TIME 16:10 DATE 9-5-03
	SURFACE CONDITIONS:	

DRILLING CONTRACTOR Greg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	ML	
							1		
							2		Light Brown (10 YR 8/3)
							3		Same As Above - Generally Homogeneous.
							4		
							5		
							16		Bottom of Boring at 16' BGS.
							7		
							8		
							9		
							0		

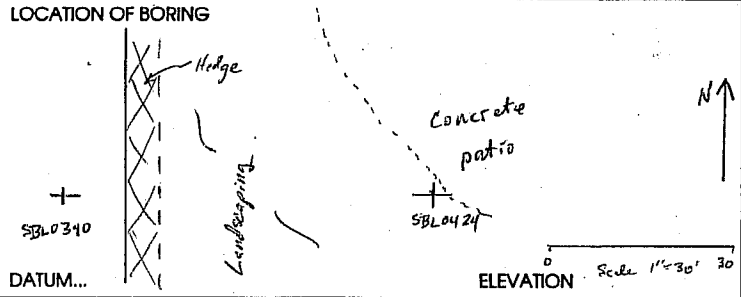
BY Mike Makoren DATE 9-5-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

SBL0339

LOCATION OF BORING



DATUM...

ELEVATION

JOB NUMBER	LOCATION
28906318.01000	Viking APN 7351-31-20

DRILLING METHOD:	BORING NUMBER
Hand Auger to 4.0'	SBL0424

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

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
Landscaping	0800	1000
	DATE 9-8-03	DATE 9-8-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	CL	Dark yellowish-brown (10YR, 4/6) Silty CLAY w/ some sand, wet, soft
							1		- Becomes very dark gray (5Y, 3/1) and dark yellowish-brown (10YR, 3/4), sandy w/ trace gravel, ~~fragments of~~ lithified / hard fragments w/ faint-moderate chemical odor
			MW ~~1.6-2.1~~				2	- no sample	- Becomes dark yellowish-brown (10YR, 4/4)
							3		- Becomes some gravel
		0959	3.5-4.0		0.0	SSS01916	4		- Becomes very dark grayish-brown (5Y, 3/1), slight HC odor
							5		Boring completed to 4.0' (refusal-concrete) on 9-8-03
							6		
							7		
							8		
							9		
							10		

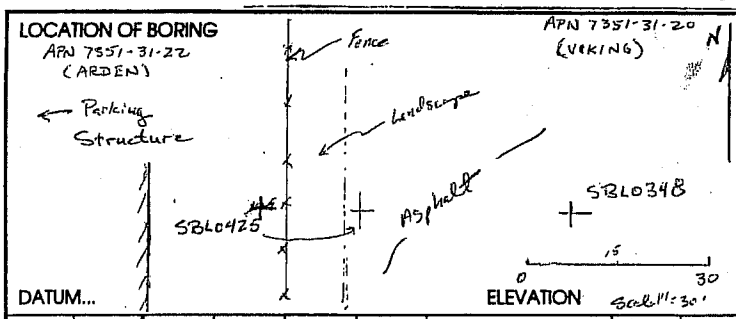
BY Mark Wanek CHECKED BY DLM

DATE 9-8-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING
APN 7551-31-22 (ARDEN)



JOB NUMBER	LOCATION
28906318.01000	~~Viking~~ MW Arden APN 7351-31-22

DRILLING METHOD:	BORING NUMBER
Hand Auger to 5.0' Mod M25 vibrating hammer, continuous	SBL0425
SAMPLING METHOD:	**SHEET**
2" Brass sleeve, manual drive	1 OF 2
	DRILLING
	START / FINISH
SURFACE CONDITIONS:	TIME: 1015 / 1300
~~Soil~~ 0.25' Asphalt	DATE: 9-8-03 / 9-8-03

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
								SM
							1	
		1155 ~~1015~~			0.0	SS501917	2	
		1120					3	
		~~1125~~						
							4	
	3.0 / 3.0	1245			0.0		5	
							6	
					0.0			
							7	
					0.0			
	4.0 / 3.9	1253			0.0		8	
							9	
					0.0		10	

~~Dark yellowish~~ Brown (10YR 3/4) MW 5/3 silty fine SAND w/ ~~clay and~~ gravel, moist, dense MW

~~Brown (10YR 5/3) silty fine SAND w/ gravel~~ MW

- Becomes dark yellowish brown (10YR 4/6) w/ little to some clay, root casts, very dense

- Becomes no clay

- Becomes little clay

- Becomes trace clay, med. dense

BY Mark Ward DATE ~~10~~ 09-08-03 CHECKED BY DUM

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER: 28906318.01000

LOCATION: APN 7351-31-20/22

DRILLING METHOD: Hand Auger to

BORING NUMBER: 0425 SBL ~~0422~~ A

SAMPLING METHOD: 7" Brass sleeve, manual drive

SHEET: 2 OF 2

DRILLING START TIME: 1015

DRILLING FINISH TIME: 1300

SURFACE CONDITIONS: landscaping

DRILLING START DATE: 9-8-03

DRILLING FINISH DATE: 9-8-03

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
					0.0		10	SM
							11	
					0.0		12	
	4.0 / 3.8	1320			0.0			
							13	
					0.0		14	
							15	
					0.0		16	
							17	
							18	
							19	
							20	

Boring completed to ~16' on 9-8-03

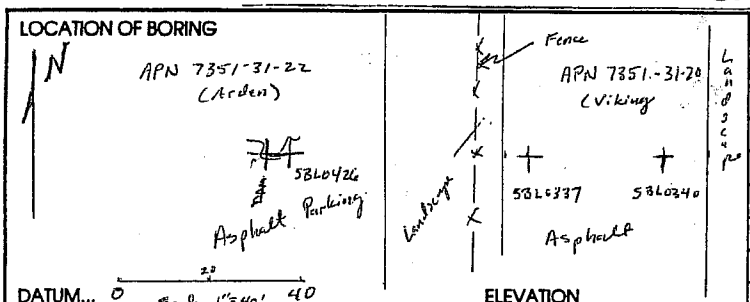
BY Mark Wenek CHECKED BY DLM

DATE 9-8-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



JOB NUMBER	LOCATION
28906318.01000	ARDEN APN 7351-31-22

DRILLING METHOD:	BORING NUMBER
Hand Auger to Mark 1125 vibratory hammer	SBL0426
SAMPLING METHOD:	SHEET 1 OF 2
2" Brass sleeve, manual drive 1.5" acetate liner, continuous core	DRILLING START TIME 1450 DATE 9-8-03 / FINISH TIME 1510 DATE 9-8-03
SURFACE CONDITIONS: 0.33' 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		
	4.0 / 3.8	1457						A/C	Asphalt
					0.0		1	SM	Yellowish-brown (10YR, 5/4) silty, very fine - fine SAND w/ gravel and trace clay; moist, very dense.
		1457							
					0.0	SS501918	2		
									- Becomes brownish-yellow (10YR, 6/6)
									- Becomes yellowish-brown (10YR, 5/4)
							3		
					0.0				
	4.0 / 3.5	1500					4		- Becomes w/ clay
							5		
					0.0		6		- Becomes dark yellowish-brown (10YR, 4/6), coarse sands, some clays, no gravel (native)
							7		
					0.0				
	4.0 / 3.5	1503			0.0		8		
							9		- Becomes trace clays
					0.0		10		

BY Mark Wanek CHECKED BY DCM
DATE 9-8-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351-31-22

DRILLING METHOD:	BORING NUMBER
Marl M25 vibratory hammer	SBL0426
SAMPLING METHOD:	SHEET
1.5" acetate liner, continuous core	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.33' Asphalt	1450	1510
	DATE 9-8-03	DATE 9-8-03

DRILLING CONTRACTOR Gregg

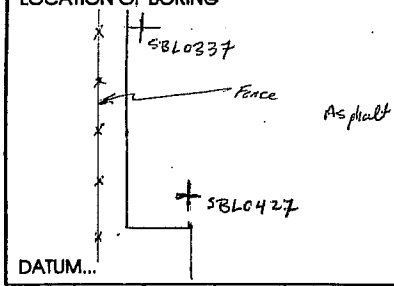
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					0.0		10	Sm	
							11		- Becomes w/ clay
					0.0				
							12		
	4.0 / 3.6	1505			0.0				- Becomes brownish-yellow (10YR, 6/6), no clay, dense
							13		
					0.0		14		- Becomes yellowish-brown (10YR, 5/6), Med. dense, faint root casts
							15		
					0.0				
							16		Boring completed to ~16' on 9-8-03
							17		
							18		
							19		
							20		

BY Mark Janek CHECKED BY DWM
DATE 9-8-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



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

DRILLING METHOD:	BORING NUMBER
Mari MZ5 vibratory hammer	SBL0427
SAMPLING METHOD:	**SHEET**
1.5" acetate liner, continuous core	1 OF 1
	DRILLING
	START / FINISH
SURFACE CONDITIONS:	TIME: 1520 / ~~1630~~ 1620
0.35' Asphalt	DATE: 9-8-03 / 9-8-03

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
	3.0 / 2.4	1535						SM	Very dark grayish-brown (10YR 3/2) silty fine-coarse sand w/ gravel and little clay, moist, loose
		1615	0.8-1.3		0.0	SS501919	1		Becomes dark yellowish-brown (10 YR 3/4) & staining
									Becomes dark brown (10YR 3/3), faint petroleum odor,
									Becomes black and dk olive-gray (5Y 3/2), moderate odor
									& heavy staining
		1615	~~2.3~~ ~~4.8~~ 2.0		0.0		2		~~Becomes~~ - Becomes dark brown (10YR 3/3), faint odor, (@ 1.5')
									~~Becomes~~ - Becomes dark yellowish-brown (10YR 3/4)
								CL	Dark brown (10YR 3/3) sandy CLAY w/ silt and gravel, moist, ~~to~~ med. stiff
							3		- Brick fragments and increased gravel
									Boring completed to 2.9' on 9-8-03 - refusal (concrete)
							4		
							5		
							6		
							7		
							8		
							9		
							10		

BY Mark Wanek CHECKED BY DKM

DATE 9-8-03

DAMES & MOORE

BORING LOG

(1010 Knox - Prentiss)

LOCATION OF BORING: KNOX

JOB NUMBER: 28906318.01000

LOCATION: APN 7351-~~31-20~~ 34-72

DRILLING METHOD: ~~Mart 125 w/ backing hammer~~ Hand Auger to 10.0'

BORING NUMBER: ~~MW~~ SBL042~~8~~ MW 8

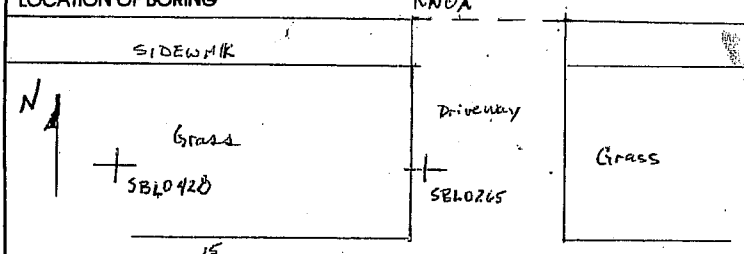
SAMPLING METHOD: ~~2.5" acetate liner, continuous core~~ 2" Brass sleeve, Manual drive

SHEET: 1 ~~2~~ OF ~~2~~ 1

DRILLING START TIME: 0740 ~~1520~~ DATE: 9 9-~~8~~-03

DRILLING FINISH TIME: 0905 DATE: 9 9-~~8~~-03

SURFACE CONDITIONS: Grass



DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

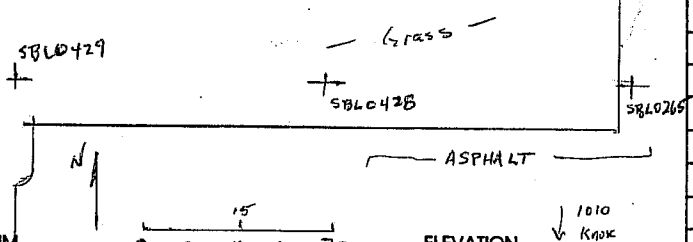
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	CL	Brown (10YR, 4/3) sandy CLAY w/ silt, wet, soft
							1		- Becomes mottled w/ olive (5Y, 5/3) and black heavily stained, strong odor
		0750							- Becomes decreased staining & odor
							2		
							3	SC	Dark yellowish-brown (10YR, 4/6) clayey fine SAND, moist, dense
							4	CL	Very Dark brown (10YR, 2/2) CLAY w/ sand & silt, moist, stiff, moderate odor & staining
		0814			0.6		5		
							6		- Becomes light olive-brown (2.5Y, 5/4) and dark brown (10YR ~~3/3~~ 3/3), decreased odor & staining
							7		
							8		- Asphaltic material
							9		- brick & concrete debris
		0855	9.5-10.0		0.0	SSS01920	10		- Black, styrene/rubbing material, strong odor
									Boring completed to 10.0' on 9.9.03 (refusal - concrete slab?)

BY Mark Weirek DATE 9-~~8~~-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION 1010 Knox

JOB NUMBER 2890G318.01000

LOCATION (1010 Knox-Prentiss) APN 7351-34-72

DRILLING METHOD: ~~Mart 1425 vibratory hammer~~ Hand Auger to 15.3'

BORING NUMBER SBL0429

SAMPLING METHOD: 2" Brass sleeve, manual drive

SHEET 1 OF 2

DRILLING CONTRACTOR Gregg

SURFACE CONDITIONS: Grass

DRILLING START TIME	DRILLING FINISH TIME
0910	1100
DRILLING START DATE	DRILLING FINISH DATE
9-9-03	9-9-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	CL	Yellowish-brown (10YR, 5/6) sandy, CLAY w/ silt and gravel, moist, stiff
		0943			0.0	SSS01921	1		
							2		
							3	SC	~~and~~ w/ silt Yellowish-brown (10YR, 5/8) clayey fine SAND, moist, dense
							4		
							5		
							6		
							7		
		1006			0.0		8		- Brick & concrete debris - ~ 1½" concrete - Becomes no debris
							9		
							10		

BY Mark Wanek CHECKED BY DLM

DATE 9-9-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER	LOCATION
28906318.01000	APN 7351-34-72

DRILLING METHOD:	BORING NUMBER
Hand Auger to 15.3'	SBL0429
SAMPLING METHOD:	SHEET
2" Brass Sleeve, manual drive	2 OF 2

DRILLING CONTRACTOR Geo

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
Grass	9-9-03	1100 9-9-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							10	SM SC
							11	
							12	
							13	
		1046			0.0			
							14	
							15	
							16	
							17	
							18	
							19	
							20	

Yellowish-Brown (10YR, 5/8) clayey fine SAND w/ silt, moist, dense

- Becomes increased silt,

Boring completed to 15.3' on 9-9-03

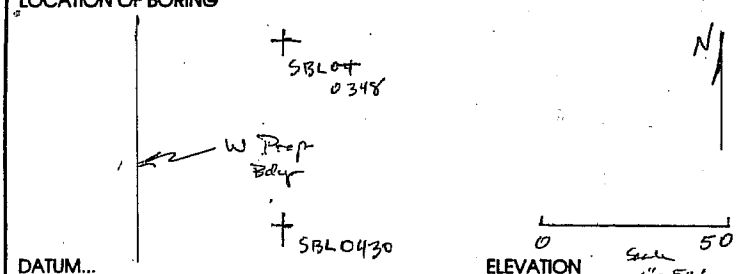
BY Mark Wank CHECKED BY DLM

DATE 9.9.03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	Viking APN 7351-31-20

DRILLING METHOD:	BORING NUMBER
Mari M25 vibratory hammer Hand Auger to 3.5'	SBL0430
SAMPLING METHOD:	SHEET 1 OF 2
1.5" acetate liners, continuous core 2" Brass sleeve, manual drive	DRILLING START TIME 1200 DATE 9-9-03 / FINISH TIME 1530 DATE 9-9-03
SURFACE CONDITIONS: 0.75' 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
							1	SM	Brown (10YR, 4/3) silty fine-coarse SAND w/ gravel and trace clay, moist
								SC	Brown (10YR, 4/3) clayey SAND w/ silt and gravel, moist, dense - Concrete debris
		1215	~~1621~~		0.0		2		- Becomes wet, rough drilling/augering - pieces of old iron pipe, concrete
			30-35		0.0	SSS 01922	3		- very hard layer, - concrete?
	4.0 / 3.9	1507					4		sharp contact
								CL	Dark yellowish-brown (10YR, 3/4) sandy CLAY w/ silt, moist, stiff, (Native) root casts
							5	SM	Dark yellowish-brown (10YR, 4/6)
					0.0		6		
							7		
					0.0				
	4.0 / 3.9 / 2.1	1513			0.0		8		- Becomes brown (10YR, 5/3), w/ clay
							9		
					0.0				
							10	CL	

BY Mark Isbrecke CHECKED BY DCM

DATE 9-9-03

DAMES & MOORE

BORING LOG

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

DRILLING METHOD:	BORING NUMBER
Mark M25 vibratory hammer Hand Auger to 3.5'	SBL0430

SAMPLING METHOD:	SHEET
1.5" acetate liners, ctr case 2" Brass sleeve, manual drive	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.35' Asphalt	1200	1530
	DATE 9-9-03	DATE 9-9-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	
							11	CL	Yellowish-brown (10YR, 5/4) CLAY w/ sand and silt, moist, stiff, root casts
	4.0 / 2.2	1519			0.0		12		
							13	SC	Yellowish-brown (10YR, 5/4) clayey very fine SAND w/ silt, moist, dense, root casts
					0.0		14		
							15		
							16		Boring completed to ~15.5' on 9-9-03
							17		
							18		
							19		
							20		

DRILLING CONTRACTOR Gregg

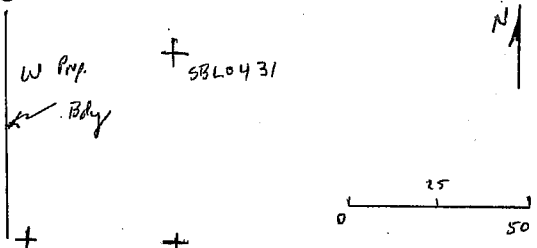
BY Mark Wanet

DATE 9-9-03 CHECKED BY DCM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28706318.01000	APN 7351-31-20

DRILLING METHOD:	BORING NUMBER
Mobil M25 vibratory hammer	SBL0431
SAMPLING METHOD:	SHEET
1.5" acetate liner, Cook's core	1 OF 2
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME: 1552 / 1610
0.25' Asphalt	DATE: 9-9-03 / 9-9-03

DRILLING CONTRACTOR Giroux

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 and grav
	4.0 / 3.8	1555			0.0			CL	Very dark grayish-brown (10YR, 3/2) sandy, CLAY w/silt, moist, med. stiff
									-Becomes dark yellowish-brown (10YR, 3/6)
							1		-Brick pieces
									-Becomes dark brown (10YR, 3/3) and black, moderate odor, heavy-moderate staining
					0.0	SSS01923	2		-Becomes very dark grayish-brown (10YR, 3/2)
									-Becomes brown (10YR, 4/3)
							3		-Becomes very stiff
					0.0				
	4.0 / 3.9	1600			0.0		4		
							5		* Concrete & sand debris 5.0-5.3'
					0.0		6	SM	-sharp contact
									Dark yellowish-brown (10YR, 4/4) silty, very fine SAND w/ clay, moist, dense, root casts (Native)
							7		2.5Y
					0.0			SC	-Becomes light olive-brown (2.5Y, 5/3), increased clay
	4.0 / 3.85	1603			0.0		8		Light olive-brown (2.5Y, 5/3) clayey fine SAND w/ silt, moist, dense
							9		
					0.0		10		

BY Mark Wenski CHECKED BY DCM

DATE 9-9-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER 28906318.01000

LOCATION (Viking) APN 7351-31-20

DRILLING METHOD: Mark M25 vibratory hammer

BORING NUMBER SBL0431

SAMPLING METHOD: 1.5" acetate liner, continuous core

SHEET 2 OF 2

DRILLING START TIME 1552 DATE 9-9-03

DRILLING FINISH TIME 1610 DATE 9-9-03

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	
					0.0		10	SC	
							11	CL	Dark yellowish-brown (10YR, 4/4) sandy CLAY
					0.0				
								SM	
	4.0 / 3.1	1606			0.0		12		Dark yellowish-brown (10 YR, 4/6) silty, fine SAND, moist, dense, root casts &
							13		
					0.0				
							14		
					0.0				
							15		
							16		Boring completed to ~16' on 9-9-03
							17		
							18		
							19		
							20		

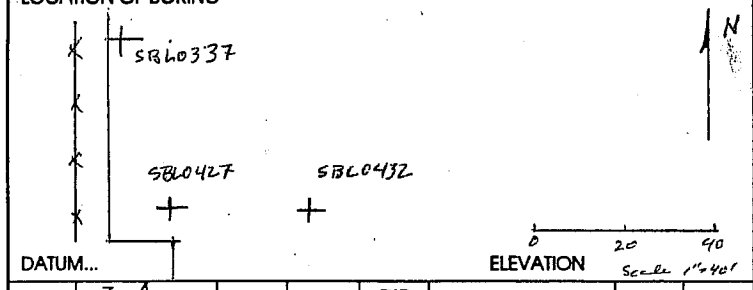
BY Mark Wagner CHECKED BY DLM

DATE 5-7-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION

JOB NUMBER	LOCATION
28906318.01000	APN 7351-31-20

DRILLING METHOD:	BORING NUMBER
Marl M25 vibratory hammer	SBL0432

SAMPLING METHOD:	SHEET
1.5" acetate liner, cont's core	1 OF 2

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.35' Asphalt	1650	1730
	DATE 9-9-03	DATE 9-9-03

DRILLING CONTRACTOR Greg

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 / 3.3	1642			0.0		1	CL	Yellowish-brown (10YR, 5/4) silty ~~sandy~~ CLAY w/ ~~silt~~ sand and gravel, moist, stiff
									- brick pieces
		1642	1.5-2.0		0.0	SSS01924	2		- Increased gravel
									- Pale brown (10YR, 6/3) silty fine-coarse SAND, ~~moist~~ 2.4-2.7
					0.0		3		- Becomes dark yellowish-brown (10YR, 4/6), sandy, no gravel
	4.0 / 2.9	1646			0.0		4		- Becomes strong brown (~~to~~ 7.5YR, 4/6), root casts
					0.0		5		
					0.0		7	SM	Yellowish-brown (10YR, 5/8) silty, very fine SAND w/ trace clay, moist, ~~at~~ med. dense, root casts faint
	4.0 / 3.4	1650			0.0		8		- Becomes little clay
					0.0		9	SC	- Light olive-brown (2.5Y, 5/4) clayey very fine - fine SAND, moist, med. dense
							10		

BY Mark Wanek DATE 9-9-03 CHECKED BY DCM

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER: 28906318.01000

LOCATION: APN 7351-31-20

DRILLING METHOD: Mark M25 vibratory hammer

BORING NUMBER: SBL0432

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

SHEET: 2 OF 2

DRILLING START TIME: 1650 DATE: 9-9-03

DRILLING FINISH TIME: 1730 DATE: 9-9-03

SURFACE CONDITIONS: 0.35' 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	
					0.0		10	SC	
							11		
							12		
	4.0 / 2.6	1655			0.0				
							13		
									- Faint iron staining
							14		
					0.0				
							15		
							16		Boring completed to ~16' on 9-9-03
							17		
							18		
							19		
							20		

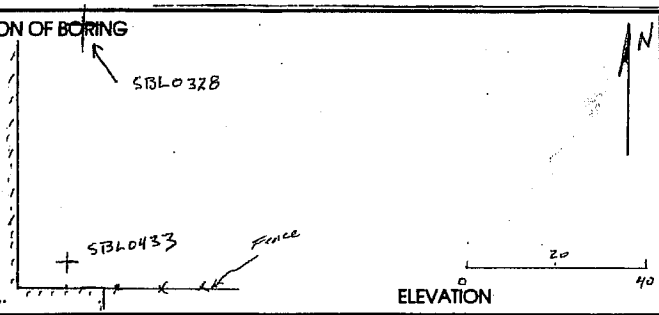
BY Mark Wenek CHECKED BY DCM

DATE 9-9-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION (Rossmore)
28706318.01000	APN 7351-34-76

DRILLING METHOD:	BORING NUMBER
Mari M25 vibratory hammer	SBL0433
SAMPLING METHOD:	SHEET
1.5" acetate liners	1 OF 2
Continuous Core	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME: 0740 / 0810
0.35' Asphalt	DATE: 9-10-03 / 9-10-03

DRILLING CONTRACTOR Gregg

BY Mark Vanek CHECKED BY DM

DATE 9-10-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0		
	4.0 / 4.0	0750			0.0			A/C	
								CL	Dark yellowish-brown (10YR, 4/4) silty, CLAY w/ gravel, moist, stiff (FILL)
							1		
		0750	1.5-2.0		0.0	SS501925	2		
									very fine
							3	SM	Brn Light olive-brown (2.5Y, 5/3) silty, SAND w/ little clay and trace gravel, brown (10YR, 4/3) clay inclusions
					0.0				
	4.0 / 3.8	0754			0.0		4		
									- Becomes gravelly
								CL	
							5		Dark brown (10YR, 3/3) CLAY w/ silt and little very fine sand, moist, stiff (Native?)
									- Becomes trace gravel
					0.0		6		
									- Becomes yellowish-brown (10YR, 5/6), sandy root casts
							7		
					0.0				
	4.0 / 3.5	0757			0.0		8	SC	Yellowish-brown (10YR, 5/4) clayey, fine SAND, moist, dense, root casts
							9		
					0.0		10		
									- Iron staining

BORING LOG

LOCATION OF BORING

JOB NUMBER 28906318.01000

LOCATION Rossmoor APN 7351-34-76

DRILLING METHOD: Mar MZ5 vibratory hammer

BORING NUMBER SBL0433

SAMPLING METHOD: 1.5" acetate liner, cont's. core

SHEET 2 OF 2

DRILLING CONTRACTOR Gregg

DATUM... ELEVATION

SURFACE CONDITIONS: 0.35' Asphalt

DRILLING START TIME	DRILLING FINISH TIME
0740	0810
DRILLING START DATE	DRILLING FINISH DATE
9-10-03	9-10-03

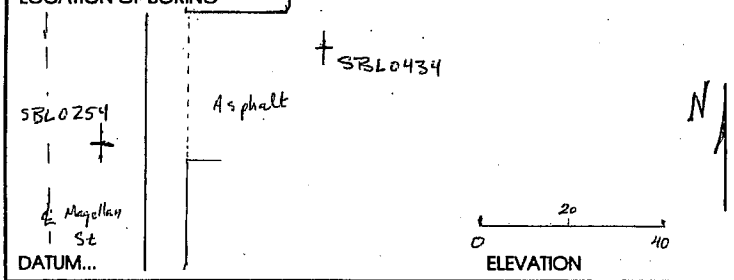
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					0.0		10	SC	
									- Iron staining
							11		
					0.0				
							- 12		
	4.0 / 3.3	0801			0.0				
							13	SM	light olive-brown (2.5Y, 5/4) silty very fine-fine SAND w/ clay, moist, dense, prominent root casts
									- trace gypsum from 13.7-13.9'
					0.0		14		- Becomes very fine sand, clay bioturbation inclusions
							15		
					0.0				
							- 16		
									Boring completed to ~16' on 9-10-03
							17		
							18		
							19		
							20		

BY Mark Wenek DATE 9-10-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	Rossmoor APN 7351-34-76

DRILLING METHOD:	BORING NUMBER
Mobil B57 Vibratory hammer	SBL0434
SAMPLING METHOD:	SHEET
1.5" acetate liner, continuous core	1 OF 2
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME 0830 / 0910
0.25 Asphalt	DATE 9-9-03 / 9-9-03

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		
	4.0 / 3.9	0831						CL	Very dark gray (10YR, 3/1) and olive-gray (5Y, 5/2) CLAY w/ silt and some sand and gravel, moist, slightly heavily stained w/ petroleum odor (CL)
		0831	0.8-1.0		0.0	SSS 01926	1		
					0.0		2		- Becomes gravelly - Becomes strong brown (7.5Y, 4/6), sandy no gravel, faint odor, little to no staining
							3		
					0.0				- Becomes sandy
	4.0 / 3.3	0836			0.0		4		
							5	SC	Dark yellowish-brown (10YR, 4/6) clayey fine SAND w/ silt, moist, dense, root casts (SC)
					0.0		6	SM	Dark yellowish-brown (10YR, 4/6) very silty fine SAND w/ little clay, moist, dense, root casts (SM)
					0.0		7		
	4.0 / 2.9	0840			0.0		8		- Becomes med. dense, faint root casts, trace clay - Becomes light olive-brown (2.5Y, 5/6)
							9		
					1.2		10		- Becomes little clay

BY Mark Wheeler DATE 9-10-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER 2890638.01000

LOCATION Rossmoor APN 7351

DRILLING METHOD: Mobil M25 vibratory hammer

BORING NUMBER SB20434

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

SHEET 2 OF 2

DRILLING START TIME 0830 DATE 9-10-03

DRILLING FINISH TIME 0910 DATE 9-20-03

DATUM... ELEVATION

SURFACE CONDITIONS: 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	
					1.2		10	SM	
					0.0		11		
							12		
	4.0 / 3.3	0848			0.0				- Becomes less yellow (2.5Y 5/4), trace clay, root casts more prominent
							13		
					0.0		14		
					0.0		15		
							16		
									Boring completed to ~16' on 9-10-03
							17		
							18		
							19		
							20		

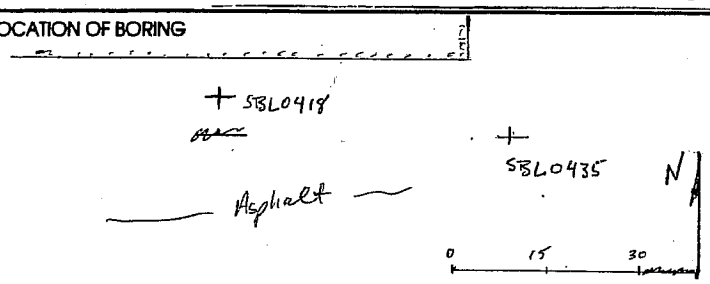
BY Mark Wheeler CHECKED BY DLM

DATE 9-10-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	Tosohama APN 7351-34-74

DRILLING METHOD:	BORING NUMBER
Hand Auger to 5.1' Mac1 M25 vibratory hammer	SBL0435
SAMPLING METHOD:	**SHEET**
2" Brass sleeve, manual drive 1.5" acetate liner, cont's core	1 OF 2
	DRILLING
	START / FINISH
SURFACE CONDITIONS:	TIME: 0955 / 1130
0.3' Asphalt	DATE: 9-10-03 / 9-10-03

DRILLING CONTRACTOR Gregg

BY Mark Wancke CHECKED BY PLM

DATE 9-10-03

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
								CL	Very dark gray (10YR, 3/1) and dark gray (5Y, 4/1) silty CLAY w/ gravel & fine sand, moist, stiff, heavily stained and odorous
		1010	1.5-2.0		0.0	SS01927	1		
							2		- Decreased staining and odor - Becomes gravelly
							3		- thin asphalt layer
								SM	Brown (10 YR, 5/3) silty very fine SAND w/ clay, moist, dense, no odor or staining
							4		- Becomes strong brown (7.5 YR, 4/6)
	3.0 / 3.0	1059			0.0		5		- root casts apparent
							6		
					0.0				
							7		- little gravel from 6.8 - 7.0'
								SC	Yellowish-brown (10 YR, 5/4) clayey fine SAND w/ ~~some~~ silt, moist, dense, root casts
					0.0		8		
	4.0 / 3.7	1111			0.0				- increased clay
							9		
					0.0		10		

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER 28906318.01000

LOCATION Toyoshima APN 7351-34-74

DRILLING METHOD: Hand auger to 5.1' Mark 1425 vibratory hammer

BORING NUMBER SB L0435

SAMPLING METHOD: 2" Brass sleeve, unlined drive 1.5" acetate liner, cont's core

SHEET 2 OF 2

DRILLING START TIME 0955 DATE 9-10-03 FINISH TIME 1130 DATE 9-10-03

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
					0.0		10	SC
					0.0		11	SM
	4.0 / 3.5	1118			0.0		12	
							13	
					0.0		14	
							15	
					0.0			
							16	
							17	
							18	
							19	
							20	

SC

- Iron staining 10.5-10.9'

SM

Dark yellowish-brown (10YR, 4/6) silty very fine SAND w/ trace clay, moist, dense

- Becomes red, dense

- Becomes yellowish-brown (10YR 5/4), increased silt.

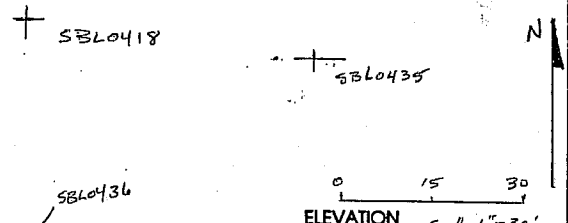
Boring completed to ~16' on 9-10-03

BY Mark Schenck DATE 9-10-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	Toyoshima APN 7351-34-74
DRILLING METHOD: Hand Auger to 5.2' Mari M25 vibratory hammer	BORING NUMBER SBL0436
SAMPLING METHOD: 2" Brass sleave manual drive 1.5" acetate liner, continuous core	SHEET 1 OF 2
SURFACE CONDITIONS: 0.33' Asphalt	DRILLING START TIME 1140 DATE 9-10-03 / FINISH TIME 1240 DATE 9-10-03

DRILLING CONTRACTOR Gregg

BY Mark Wenek CHECKED BY DCM DATE 9-10-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	A/C	
								CL	Very dark grayish-brown (10YR, 3/2) silty CLAY w/ fine and very fine sand, moist, med. stiff
							1		
		1143	18-2.3		0.0	SSS 01928	2		- Becomes Dark yellowish-brown (10YR, 4/4) and dark brown (10YR, 3/3)
									- Becomes gravelly,
							3		- Becomes sandy,
									- Becomes dark yellowish-brown (10YR, 4/6), no gravel
							4		
									- Becomes gravelly
	3.0 / 0.8	1220			0.0		5		- B rough drilling
							6		
								SM	~~Yellowish brown (10YR, 5/4) silty very fine SAND w/ trace clay, moist, med. dense~~ MW
							7		
									- Very hard at 7.9' - cobbles
	4.0 / 3.9	1228			0.0		8	SM	to fine Yellowish-brown (10YR, 5/4) silty very fine SAND w/ trace clay, moist, need dense, root casts MB
							9		- Becomes very fine sand
							10		
					0.0				

BORING LOG

LOCATION OF BORING

JOB NUMBER: 28906318.01000

LOCATION: APN 7351-34-74

DRILLING METHOD: Mod M25 vibratory hammer; Hand augered to 5.2'

BORING NUMBER: SBL0436

SAMPLING METHOD: 1.5" acetate liner, cont'd core; 2" Brass sleeve, manual driver

SHEET: 2 OF 2

DRILLING: START TIME —; FINISH TIME 1240; START DATE 9-10-03; FINISH DATE 9-10-03

SURFACE CONDITIONS: 0.53' 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
					0.0		10	SM
							11	
					0.0			
	4.0 / 3.3	1231			0.2		12	
							13	
					0.0		14	
					0.0		15	SML
							16	
							17	
							18	
							19	
							20	

Light olive-brown (2.5Y, 5/4) very fine sandy SILT moist, med. dense, predominant root casts

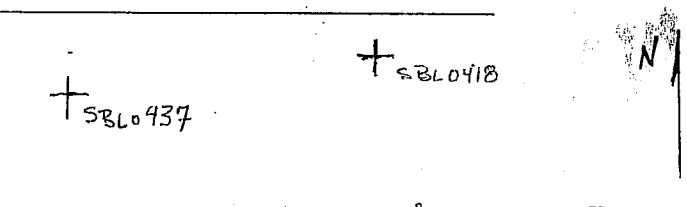
Boring completed to ~16' on 9-10-03

BY Mark Wanek DATE 9-10-03 CHECKED BY DJM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	28906318.01000
LOCATION	Toyoshima
APN	7351-34-74
DRILLING METHOD:	Hand Auger to 5.1' Mari MZ5 vibratory hammer
BORING NUMBER	SBL0437
SAMPLING METHOD:	1.5" acetate liner, continuous core 2" Brass sleeve, manual drive
SHEET	1 OF 2
SURFACE CONDITIONS:	0.33' Asphalt
DRILLING START TIME	1400
DRILLING FINISH TIME	1500
DRILLING START DATE	9-10-03
DRILLING FINISH DATE	9-10-03

DRILLING CONTRACTOR Gregg

BY Mark Danek DATE 9-10-03 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	
								CL	Very dark grayish-brown (10YR, 3/2) sandy CLAY w/ silt and some fine grained, moist, dense
							1		-Becomes dark yellowish-brown (10YR, 4/6), some gravel
		1434			0.7		2		No Sample here
									-Becomes very dark grayish-brown (10YR, 3/2) w/ sulfur odor, stained
							3		-Becomes dark yellowish-brown (10YR, 4/4)
							4		
	3.0 / 3.0	1455			0.0		5		-Becomes very dark grayish-brown (2.5Y, 3/2), stained, odorous
			6.0-6.5		1.3	SSS01929	6		
					0.0		7		-Becomes yellowish-brown (10YR, 5/4), decreased gravel
	4.0 / 3.6	1457			0.0		8	SM	Dark yellowish-brown (10YR, 4/4) silty very fine-fine SAND, moist, med. dense, root casts
							9		
					0.0		10		

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER: 28906318.01000

LOCATION: APN 7351-34-74

DRILLING METHOD: Hand Auger to Marl w/25 vibratory hammer

BORING NUMBER: SBL0437

SAMPLING METHOD: 3" Brass sleeve, manual drive 1.5" acetate liner, cont's core

SHEET: 2 OF 2

DRILLING START TIME: 1500 DATE: 9-10-03

DRILLING FINISH TIME: 1500 DATE: 9-10-03

SURFACE CONDITIONS: 0.33' Asphalt

DATUM...

ELEVATION

DRILLING CONTRACTOR Gregg

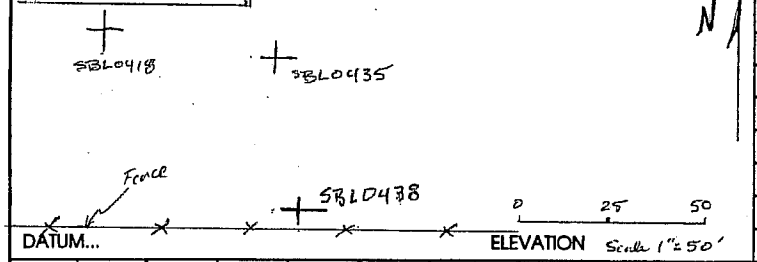
BY Mark Wanek DATE 9-10-03 CHECKED BY DJM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					0.0		10	SM	- Faint root casts
							11		
							12		
	4.0 / 3.3	1500			0.0		13		
					0.0		14	ML	Light yellowish-brown (2.5Y, 6/4) sandy SILT moist, med. dense, faint root casts (CM)
					0.0		15		
							16		Boring Completed to ~16' on 9-10-03
							17		
							18		
							19		
							20		

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION Scale 1" = 50'

JOB NUMBER	28906318.01000
LOCATION	Toyoshima APN 7351-34-74
DRILLING METHOD:	Hand Auger to 3.9' Marl M25 vibratory hammer
BORING NUMBER	SBL0438
SAMPLING METHOD:	2" Brass sleeve, manual drive 1.5" acetate line, cts core
SHEET	1 OF 2
SURFACE CONDITIONS:	0.33' Asphalt
DRILLING START TIME	1515
DRILLING FINISH TIME	1635
DATE	9-10-03
DATE	9-10-03

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	Asphalt
								CL	Dark grayish-brown (10 YR, 4/2) sandy CLAY w/ silt and gravel, moist, stiff
		1520	1.5-2.0		0.0	SSS01930	2		
							3		- Becomes gravelly
	~~4.0~~								
	4.1/4.0	1600			0.0		4		- ~0.2' layer of dark gray (10YR 4/1) sandy GRAVEL wet, very dense
									~~- Becomes~~
							5		- Becomes mottled w/ brownish-yellow (10YR, 6/6)
					0.0		6		
							7		- 0.1' of gravel
					0.0				
	4.0/2.9	1615			0.0		8		- Becomes dark yellowish-brown (10 YR, 4/4), silty, w/ little fine sand, moist, stiff, root casts (Native)
							9		- Becomes sandy
					0.0		10	SC	Dark yellowish-brown (10YR, 4/4) clayey very fine SAND, moist, dense

BY Mark Wanek DATE 9-10-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351-34-74

DRILLING METHOD:	BORING NUMBER
Hand Auger to 3.9' Mark M25 vibratory hammer	SBL0438
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
0.33' Asphalt	1515	1635
	DATE 9-10-03	DATE 9-10-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
				0.0 →			10	CL / SC	(See pg 1)
				0.0 →			11		
								SM	
	4.0 / 3.3	1622		0.0 →			12		Dark yellowish-brown (10YR, 4/6) silty very fine SAND, moist, med. dense
							13		
							14		
					0.0		15		
							16		Boring completed to ~16' on 9-10-03
							17		
							18		
							19		
							20		

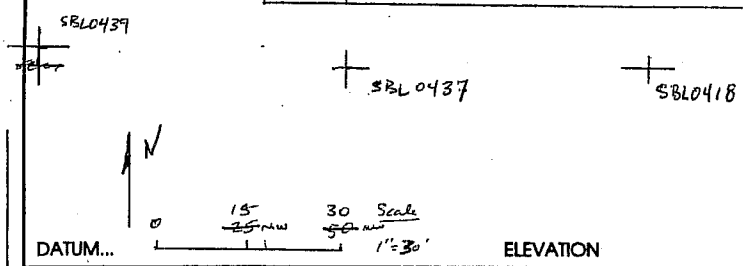
BY Mark Wanek CHECKED BY DLM

DATE 9-10-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION

JOB NUMBER	28906318.01000
LOCATION	Toyoshima APN 7351-34-74
DRILLING METHOD:	Marl M25 vibratory hammer Hand auger to 5.5'
BORING NUMBER	SBL0439
SAMPLING METHOD:	1.5" acetate line, continuous core
SHEET	1 OF 2
SURFACE CONDITIONS:	0.33' Asphalt
DRILLING START TIME	1645
DRILLING FINISH TIME	1730
DATE	9-10-03
DATE	9-10-03

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	Asphalt
								CL	Very dark gray (10YR, 3/1) Sandy CLAY w/ silt and gravel, moist, stiff
							1		
		1655			0.0		2		-Becomes dark yellowish-brown (10YR, 4/6)
							3		
							4		
							5		-Becomes very dark grayish-brown (10YR, 3/2) silty w/ little fine sand, ~~no~~ heavily stained, strong noxious odor, med. stiff
	2.5 / 2.4	1715					6		
		1715	6.0-6.5		0.0	SSS01931			
							7		- ~~rub~~ black, rubbery material
					0.0		8		
	4.0 / 3.8	1720			0.0				-Becomes Sandy, yellowish-brown (~~2.5~~ mw ~~10YR~~ 5/6) 10YR, -Becomes some gravel
							9		-Becomes light olive-brown, (2.5Y, 5/4), stained
							10		
					0.0				

BY Mark Wanek DATE 9-10-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER: 28906318.01000

LOCATION: APN 7351-34-74

DRILLING METHOD: Mod 425, vibratory hammer
Hand Auger to 5.5'

BORING NUMBER: SBL0439

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

SHEET: 2 OF 2

DRILLING: START TIME 1645 DATE 9-10-03; FINISH TIME 1730 DATE 9-10-03

SURFACE CONDITIONS: 0.33' 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	CL	4ft MW - Becomes olive (5Y, 4/3), stained, moderate odor
					0.0				
							11		
					0.0				- Becomes very dark grayish-brown (10YR, 3/2), decrease staining, light odor
	4.0 / 3.8	1725			0.0		12		- Becomes olive (5Y, 4/3), moderate staining & odor
							13		- Becomes yellowish-brown (10YR, 5/8),
								GM	light gray (10YR, 7/1) silty GRAVEL w/ fine-coarse Sand, moist, loose (concrete debris?)
					0.0		14	SM	light yellowish-brown (2.5Y, 6/4) silty, very fine SAND, w/ clay, moist, med.-dense, root casts
							15	CL	light yellowish-brown (2.5Y, 6/4) Silty CLAY w/ very fine sand, moist, soft-med. stiff, root casts
					0.0		16		
									Boring completed to ~16' on 9-10-03
							17		
							18		
							19		
							20		

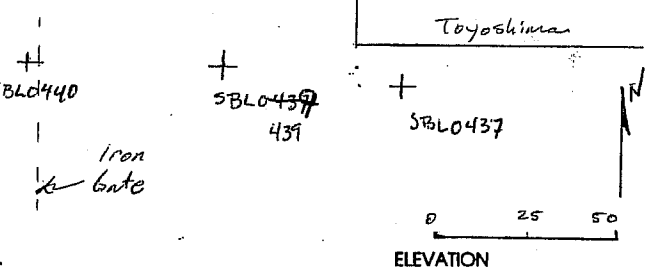
BY Mark Wenck CHECKED BY DUM

DATE 9-10-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	APN 7351-34-74

DRILLING METHOD: Mart M25 vibrating hammer; Hand auger to 5.0'

BORING NUMBER: SBL0440

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

SHEET 1 OF 2

DRILLING CONTRACTOR Gregg

SURFACE CONDITIONS: 0.33' Asphalt

DRILLING START TIME	DRILLING FINISH TIME	DRILLING START DATE	DRILLING FINISH DATE
1738	1830	9-10-03	9-10-03

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
								CL	Very dark grayish-brown (10 YR, 3/1) sandy CLAY w/ silt and gravel, moist, med. stiff - stiff
		1740			0.0		2		
							3		
							4		
							5		- Becomes very dark grayish-brown (2.5Y, 3/2) Stained, moderate odor
	3.0 / 3.0	1752			0.0				- Becomes sandy, dark yellowish-brown (10YR, 4/4)
							6		- Becomes some gravel, mottled w/ olive (5Y, 4/3)
					0.0				- Becomes no gravel
							7		
								SC	Dark yellowish-brown & (10YD, 4/4) and olive (5Y, 4/3) clayey fine SAND, moist, med. dense, faint root casts
	4.0 / 3.7	1754	21-8.7		0.0	SS501932	8		- Becomes olive, stained, moderate - strong noxious and vol odor
							9		
					0.0		10		

BY Mark Wanek DATE 9-10-03 CHECKED BY DCH

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	Toyoshima APN 7351-34-74

DRILLING METHOD:	BORING NUMBER
Hand auger to 5.0' Mont M25 vibratory hammer	SBL0440
SAMPLING METHOD:	**SHEET**
2" Brass sleeve, manual drive 1.5" acetate liner, cts core	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.33' Asphalt	1738	1830
	DATE 9-10-03	DATE 9-10-03

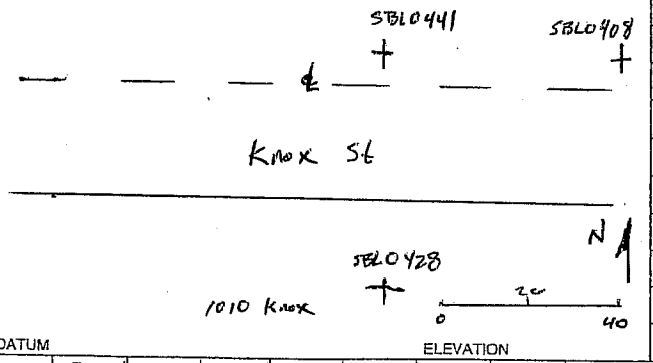
DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					0.0		10	SC	
									- Becomes dark yellowish-brown (10YR, 4/4), root casts more prominent, increased clay
							11		
					0.0				
							12		
	4.0 / 3.6	1758			0.0			SM	~~Light~~ mw Light yellowish-brown (10 YR, 6/4) silty very fine SAND w/ trace gravel, moist, med. dense
							13		
					0.0				- Becomes gravelly from ~13.6-13.7'
							14		
							15		
					0.0			ML	Light olive-brown (2.5Y, 5/4) clayey SILT w/ ~~trace~~ little mw fine sand, moist, dense
							16		
								SM	~~to~~ mw Boring completed to ~16' on 9-10-03
							17		
							18		
							19		
							20		

BY Mark Wanek DATE 9-10-03 CHECKED BY DLW

DAMES & MOORE

LOCATION OF BORING



DATUM

ELEVATION

JOB NO.	CLIENT	LOCATION
28906318.01000	SHELL OIL PRODUCTS	~~D. E~~ MW WB Knox

DRILLING METHOD: Marl M25 vibratory hammer
Hand auger to 5.3'.

BORING NO. SBL0441

SHEET 1 OF 1

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

WATER LEVEL				
TIME		NA		
DATE				
CASING DEPTH				

DRILLING	START	FINISH
TIME	0730	0800
DATE	9-11-03	9-11-03

SURFACE CONDITIONS: 0.4' A/C

SAMPLER TYPE	~~INCHES~~ DRIVEN Ft / ~~INCHES~~ RECOVERED Ft	~~DEPTH OF CASING~~ Time	SAMPLE NO. / SAMPLE DEPTH	BLOWS/FT SAMPLER	~~NUMBER OF RINGS~~ PID	DEPTH IN FEET	SOIL GRAPH	
						0	A/C	Asphalt
						1	CL	Very dark grayish-brown (10YR, 3/1) silty CLAY w/ sand & gravel, moist, stiff
		0740	SSS01933 / 1.5-2.0		0.0	2		
						3		
						4	SM	(10YR, 4/3) Brown silty, very fine SAND w/ clay, moist, dense, root casts
					0.0	5		
	3.0 / 3.0					6		
						7		
	4.0 / 3.8				0.0	8		- Becomes dk yellowish-brown (10YR, 4/6),
						9		- Becomes decreased silt, fine sand, med. dense, faint root casts
					0.0	10	SC	(9.8) Yellowish-brown (10YR, 5/4) clayey very fine SAND w/ silt, ~~little~~ moist, dense, root casts
						11		
					0.0	12		- increased silt
	4.0 / 3.8					13	SM	(13.3) Brown (10YR, 4/3) silty f. SAND w/ trace clay, moist, dense
						14		increased silt, prominent root casts
						15	ML	(15.1) yellowish brown (10YR, 5/4) very f. sandy SILT, moist, dense from root casts
						16		
						17		Boring completed to ~16' on
						18		9-11-03
						19		
						20		

DRILLING CONTR. Gregg

BY Mark Wenel DATE 9-11-03 CHK'D BY DLM

25.1 (3) (REV. 11-00)

BORING LOG

LOCATION OF BORING

See pg. 2

DATUM...

ELEVATION

JOB NUMBER: 28906318.01000

LOCATION: 1010 Knox APN 7351-34-72

DRILLING METHOD: Hand auger to ~~4~~ 5.0' Marl M25 vibratory hammer

BORING NUMBER: SBL0442

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

SHEET: 1 OF 2

SURFACE CONDITIONS: 0.33' Asphalt

DRILLING START TIME: 0810 DATE: 9-11-03

DRILLING FINISH TIME: 0835 DATE: 9-11-03

DRILLING CONTRACTOR: Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	A/C	Asphalt
								CL	Yellowish-brown (10YR, 5/4) sandy CLAY w/ silt, moist, med. stiff (CL)
							1		
		0815	1.5-2.0		0.0	SSS01934	2		
							3		
							4		
	3.0 / 3.0	0826			0.0		5		root casts apparent
							6	SC	Yellowish-brown (10YR, 5/4) clayey very fine-fine SAND, ~~w~~ w/ little silt, moist, dense root casts (SC)
					0.0				
							7		
					0.0			SM	Yellowish-brown (10YR, 5/4) silty fine SAND w/ clay, moist, dense, root casts (SM)
	4.0 / 3.9	0828			0.0		8		- decreasing clay
							9		- Becomes no clay, decreasing silt
					0.0		10		- Becomes dark yellowish-brown (10YR, 4/4)

BY: Mark Wanek

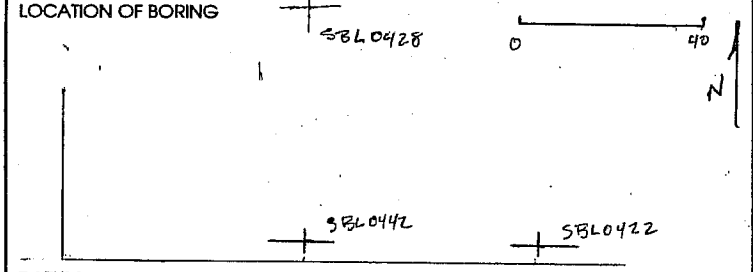
DATE: 9-11-03

CHECKED BY: DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	1010 Knox APN 735-34-72

DRILLING METHOD:	BORING NUMBER
Hand Auger to 5.0' Mact M25 vibratory hammer	SBL0442
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive 1.5" acetate liner, Cont's core	2 OF 2
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME: 0810 / 0835
0.32' Asphalt	DATE: 9-11-03 / 9-11-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
					0.0		10	
							11	
					0.0		12	
	4.0 / 3.8	0930			0.0			
							13	
					0.0		14	
							15	
					0.0			
							-16	
							7	
							8	
							9	
							0	

- Becomes dark yellowish-brown (10YR 4/4)
- Becomes little silt, fine sand
- Becomes some silt
- Becomes light olive-brown (2.5Y 5/4), iron staining
- Becomes little clay, ~~increased~~ silty
- Becomes very fine sand

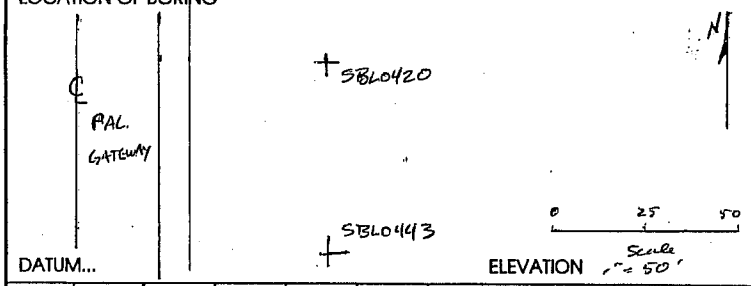
Boring completed to ~16'
on 9-10-03
MW

BY Mark Ahrens DATE 9-11-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION (Tatsumi)
289063 18-01000	APN 7351-34-69

DRILLING METHOD:	BORING NUMBER
Mark MZ5 vibratory hammer Hand auger to 7.0'	SBL0443
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive 1.5" acetate liner, cts core	1 OF 2
	DRILLING
	START / FINISH
SURFACE CONDITIONS:	TIME: 0850 / 1046
0.33' Asphalt	DATE: 9-10-03 / 9-10-03

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	Asphalt
								CL	Very dark brown (10YR, 2/2) CLAY w/ silt and little fine sand, + gravel, moist, med. stiff, brick fragments, heavily ~~oily~~ stained, oily odor
		0910			0.1		1		
							2		(10YR, 4/4) - Becomes dark yellowish-brown, decreased gravel, decreased staining
							3		
		0920			3.2		4		very dark grayish-brown (10YR, 3/2) - Becomes very strong odor, stains heavily stained, w/ gravel
							5		- Becomes sandy, dark yellowish-brown (10YR, 4/4), moderate staining, strong odor
							6		" Becomes dark grayish-brown (10YR, 4/2), stained, very strong odor
	4.0 / 3.4	0958			188.0		7	SM	~~Becomes~~ new gravel Sand gravel at 7.0' Dark yellowish-brown (10YR, 4/4) silty fine SAND, moist, med. dense, heavily stained, strong odor - wood fragments (oil-stained) - Becomes fine-coarse sand w/ gravel - Becomes black, very heavily stained - Becomes light yellowish-brown (10YR, 6/4)
							8		
							9	CL	Very dark grayish-brown (10YR, 3/2) sandy CLAY w/ trace gravel, moist, med. stiff, heavily stained, strong odor, oily
							10		- Becomes very strong odor

BY Mark Wanek DATE 9-11-03 CHECKED BY PLM

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351-34-69

DRILLING METHOD:	BORING NUMBER
~~Hand~~ Hand Auger to 7.01	
Marl M25 vibratory hammer	SBL0443
SAMPLING METHOD:	SHEET
2" Brass Sleeve, manual drive	2 OF 2
1.5" acetate liner, cont's core	DRILLING START TIME 0850 DATE 9-11-03 / FINISH TIME 1046 DATE 9-11-03
SURFACE CONDITIONS: 0.33' 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	CL
					744.0			
							11	SM
	4.0 / 3.6	1002	11.0-11.5		751.0	SSS01935		
							12	
							13	
							14	
					618.0			
							15	
							16	
							17	
							18	
							19	
							20	

Dark brown (10YR, 3/3) silty fine SAND w/ some clay, moist, ~~dense~~ MW med. dense, oily. Very heavily stained
- Becomes saturated with oil, wood fragments Very strong odor
- Becomes very heavily stained (no longer saturated)
- Becomes no clay
- Becomes dark yellowish-brown (10YR, 4/4), very fine sand, iron staining / root casts, dense, heavily stained ~~+ very~~
- Becomes med. dense

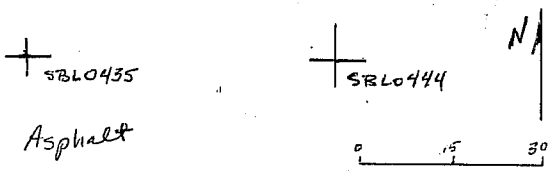
Boring Completed to ~~16~~ 15' on 9-11-03

BY Mark Wanek DATE 9-11-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING: Concrete



SBL0435 — SBL0444 — N

Asphalt

0 15 30

DATUM... ELEVATION

JOB NUMBER: 28906318.01000

LOCATION: Toyoshima APN 7351-34-74

DRILLING METHOD: Hand Auger to 5.3'
Marl M25 vibratory hammer

BORING NUMBER: SBL0444

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

SHEET 1 OF 2

SURFACE CONDITIONS: 0.33' Asphalt

DRILLING — START TIME 1120 DATE 9-11-03 — FINISH TIME 1155 DATE 9-11-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0	A/C	Asphalt
								CL	Dark brown (10YR, 3/3) sandy CLAY w/ silt, and trace gravel, moist, stiff
							1		
		1124			0.0	SSS01936	2		
							3		
							4		- Becomes no gravel
							5		Becomes increased sand, med. stiff
	3.0 / 3.0	1143			0.0				- root casts apparent
							6	SM	Dark yellowish-brown (10YR, 4/4) silty very fine SAND, moist, dense, root casts
					0.0		7		
					0.0		8		
	4.0 / 3.9	1146			0.0				
							9		
							10		- Becomes fine sand
					0.0				

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

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER: 28906318.01000

LOCATION: APN 7351-34-74

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

BORING NUMBER: SBL0444

SAMPLING METHOD: 2" Brass sleeve, manual drive 1.5" acetate liners, cts core

SHEET: 2 OF 2

DRILLING CONTRACTOR: Gregg

DATUM... ELEVATION

SURFACE CONDITIONS: 0.33' Asphalt

DRILLING START TIME: 1120 DATE: 9-11-03

DRILLING FINISH TIME: 1155 DATE: 9-11-03

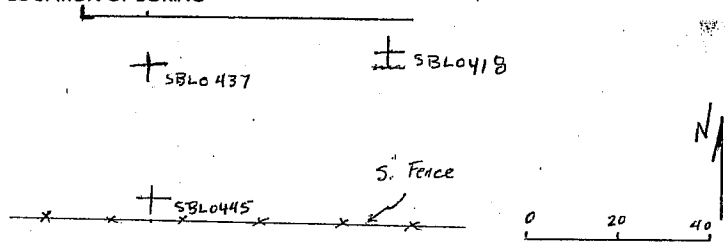
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM	-Becomes fine sand
					0.0				
								SC	Dark yellowish-brown (10YR, 4/4) clayey fine SAND, moist, dense, root casts
							11		
								SM	Dark yellowish-brown (10YR, 4/4) silty, very fine-fine SAND w/ trace clay, moist, dense, ~~root~~ no root casts
					0.0				
	4.0 / 4.0	1150			3.1		12		
							13		
					0.0		14		-Becomes no clay, med. dense
							15		
					0.0		16		-Becomes trace clay
									Boring completed to ~16' on 9-11-03
							17		
							18		
							19		
							20		

BY Mark Wanke DATE 9-11-03 CHECKED BY DM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION Scale 1"=40'

JOB NUMBER	LOCATION
28906318.01000	APN 7-351-34-74

DRILLING METHOD:	BORING NUMBER
Hand Auger to 3.8' Mari 1125 vibratory hammer	SBL0445
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive 1.5" acetate liner, continuous core	1 OF 2
SURFACE CONDITIONS:	DRILLING START TIME 1155 DATE 9-11-03 / FINISH TIME 1255 DATE 9-11-03
0.33' Asphalt	

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	Dark mw Asphalt
								CL	Very dark grayish-brown (10 YR, 3/2) sandy CLAY w/ silt and gravel
							1		
									- Becomes dark brown (10YR, 3/3)
		1205	1.5-2.0		0.0	SSS01937	2		
								SC-CL	Dark yellowish-brown (10YR 4 3/4) slayey fine SAND - sandy CLAY w/ little silt and trace gravel
							3		
									Asphalt layer (0.2')
	4.0 / 3.8	1237			0.0		4	CL	Dark brown (10 YR, 3/3) sandy CLAY w/ little silt, moist, soft, slight dark discoloration at 4.0', no odor
									< sharp contact
							5	SM	Dark yellowish-brown (10 YR, 4/6) silty fine SAND w/ trace clay, moist, very dense, root casts, larger burrows filled w/ clay
					0.0		6		
							7		
					0.0				
	4.0 / 3.4	1241			0.0		8		
							9		
					0.0		10		

BY Mark Wanek DATE 9-11-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING

DATUM... ELEVATION

JOB NUMBER	LOCATION
2890318.01000	APN 735-1-34-74

DRILLING METHOD: Hand auger to 3.8'; Mart 425 vibratory hammer

BORING NUMBER: SBL0445

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

SHEET: 2 OF 2

SURFACE CONDITIONS: 0.33' Asphalt

DRILLING START TIME	DRILLING FINISH TIME
1155	1255
DRILLING START DATE	DRILLING FINISH DATE
9-11-03	9-11-03

DRILLING CONTRACTOR Greg F.

BY Mark Wanek DATE 9-11-03 CHECKED BY DLM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
					0.0		10	
					0.0		11	
	4.0 / 3.2	1245			0.0		12	
							13	
					0.0			
							14	
					0.0		15	
							16	
							17	
							18	
							19	
							20	

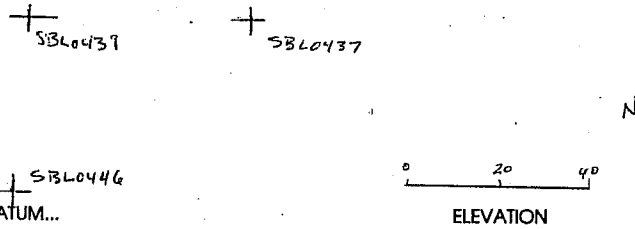
- Becomes yellowish-brown (10 YR, 5/4), very fine sand prominent root casts
- root casts ~~root~~ NO faint
- Becomes med. dense, decreasing silt
- Become silty, very fine sand, prominent iron staining

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

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
289063I8.01000	Toyoshima APN 7351-34-74

DRILLING METHOD: Hand Auger to 5.0' Mud Rotary

BORING NUMBER: SBL0446

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

SHEET: 1 OF 2

SURFACE CONDITIONS: 0.33' Asphalt

DRILLING: START TIME 1318 DATE 9-11-03; FINISH TIME 1340 DATE 9-11-03

DRILLING CONTRACTOR Gregg

BY Mark Valanek DATE 9-11-03 CHECKED BY [illegible]

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	
		1304	1.5-2.0		0.0	SSS01938	2	
							3	
	3.0/3.0	1324			0.0		4	SEMI SM
					0.0		5	
					0.0		6	
	4.0/3.4	1326			0.0		7	
					0.0		8	
							9	
							10	

Asphalt

Very dark grayish-brown (10YR, 3/2) silty CLAY w/ some Sand

- Becomes dark brown

Dark yellowish-brown (10YR, 4/6) silty very fine - fine SAND w/ trace clay, moist, dense

- Becomes more brown (10YR, 4/4), root casts apparent

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER: 28906318.01000

LOCATION: APN 7351-34-74

DRILLING METHOD: Hand Auger to 5.0'; Mark 1125 Vibratory hammer

BORING NUMBER: SBL0446

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

SHEET: 2 OF 2

DRILLING: START TIME 1315, FINISH TIME 1340; START DATE 9-11-03, FINISH DATE 9-11-03

SURFACE CONDITIONS: 0.33' 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	
					0.0		10		
							11		
					0.0				- Becomes decreased silt, med. dense
	4.0 / 3.8	1330			0.0		12		
							13		- Becomes increased silt, v. dense (2.5Y, 4/4)
									- Becomes olive-brown, very fine sand, prominent root casts and iron staining
					0.0		14		
							15		
					0.0			ML	Olive-brown (2.5Y, 4/4) sandy SILT w/ trace clay, moist, dense, trace gypsum
							16		
									Boring Completed to ~ 16' on 9-11-03
							17		
							18		
							19		
							20		

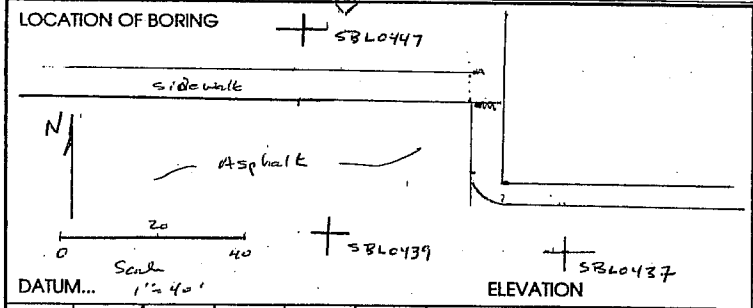
BY Mark Wanek CHECKED BY JLM

DATE 9-11-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	Toyoshima APN 7351-34-74
DRILLING METHOD: ~~Mac~~ Hand Auger to 14.8'	BORING NUMBER SBL0447
SAMPLING METHOD: 2" Brass sleeve, manual drive	SHEET 1 OF 2
	DRILLING START TIME 1415 DATE 9-11-03 / FINISH TIME 1445 DATE 9-11-03
SURFACE CONDITIONS: Soil (landscaping)	

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		Potting soil
								CL	Very dark grayish-brown (10YR, 3/2) sandy CLAY with silt, ~~wet~~, soft
							1		
									- Becomes moist
		1400			0.0	SSS01939	2		-- Becomes dark yellowish-brown (10YR, 4/4)
							3		
							4	SM	Dark yellowish-brown (10YR, 4/6) silty fine SAND w/ trace clay, moist, med. dense
		1410			0.0		5		- Root casts apparent
							6		
							7		
							8		- Becomes no clay
							9		
							10		

BY Mark Warnick DATE 9-11-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER	LOCATION
28906318.01000	APN 7351-34-74

DRILLING METHOD:	BORING NUMBER
Hand Augen to 14.8'	SBL0447
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive	2 OF 2
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME: 1415 / 1445
soil	DATE: 9-11-03 / 9-11-03

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
		1432			0.0		10	SM
							11	
							12	
							13	
							14	
							15	
							16	
							17	
							18	
							19	
							20	

- Becomes yellowish-brown (10YR, 5/4)

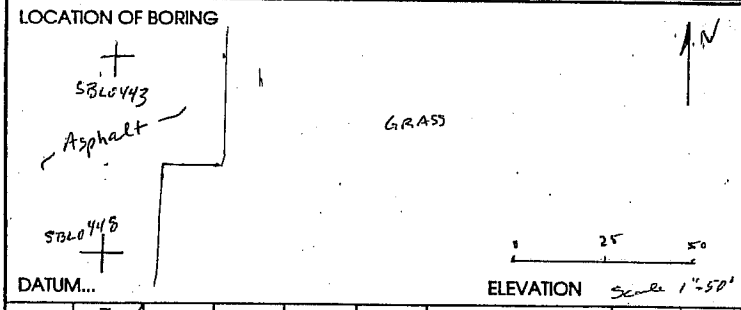
Boring completed to 14.8' on 9-11-03

BY Mark Ward DATE 9-11-03 CHECKED BY

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION Scale 1"=50'

JOB NUMBER	LOCATION
28906318.01000	TATSUMI APN 7351-34-69

DRILLING METHOD:	BORING NUMBER
Marl M25 vibratory hammer	SBL0448

SAMPLING METHOD:	SHEET
1.5" acetate sleeves, cont's core	1 OF 2

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.35' Asphalt	0800	0830
	DATE 9-17-03	DATE 9-17-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0		
	4.0 / 4.0	0812						A/C	Asphalt
								SM	~~Very dark grayish-brown (10YR, 3/2) silty, fine SAND w/ gravel & clay~~
					0.0		1	CL	Very dark grayish-brown (2.5Y, 3/2) silty, CLAY w/ little gravel + fine sand, moist, stiff, stained w/ moderate noxious odor
		0812	1.5-2.0		0.0	SSS01940	2		
									-Becomes dark grayish-brown (2.5Y, 4/2), sandy
							3		
					0.0				-Becomes dark yellowish-brown (10YR, 4/4), ~~odor~~ staining and noxious odor decreased to little or none
	4.0 / 3.7	0817			0.0		4		
									-Becomes yellowish-brown (10YR, 5/4), root casts prominent, no staining or odor (Native)
							5		
					0.0		6	SM	Yellowish-brown (10YR, 5/6) silty very fine-fine SAND, root casts, moist, dense
							7		
					0.0				
	4.0 / 3.5	0820			0.0		8		-Becomes light olive-brown (10YR, 5/4)
							9		
					0.0		10		iron staining

DRILLING CONTRACTOR Gregg

BY Mark Wheeler

DATE 9-17-03 CHECKED BY [signature]

DAMES & MOORE

BORING LOG

LOCATION OF BORING

DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	APN 7351-34-69

DRILLING METHOD:	BORING NUMBER
Mail M25 vibratory hammer	SBL0448

SAMPLING METHOD:	SHEET
1.5" acetate liner, cont's core	2 OF 2

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.35' Asphalt	0800	0830
	DATE 9-17-03	DATE 9-17-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					0.0			SM	
							10		- no iron staining
							11		- trace gravel and clay
					0.0				
							12		- Become decreased silt, med. dense
	4.0 / 3.5	0825			0.0				
							13		- Becomes some clay, very fine sand, prominent iron staining
					0.0		14		
							15		
					0.0				
							16		Boring completed to ~16' on 9-17-03
							17		
							18		
							19		
							20		

DRILLING CONTRACTOR Gregg

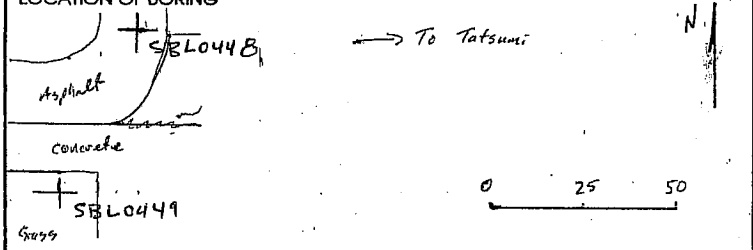
BY Mark Wenck

DATE 9-17-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	Tatsumi APN 7351-34-69

DRILLING METHOD:	BORING NUMBER
Marl M25 vibratory hammer	SBL0449
SAMPLING METHOD:	SHEET
1.5" acetate liners, continuous core	1 OF 2
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME: 0900 / 0930
Grass	DATE: 9-17-03 / 9-17-03

DRILLING CONTRACTOR Gregg

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							0	
	4.0 / 2.2	0905			0.0			CL
							1	
					1.4			
						SSS01941	2	
					0.0			
							3	
							4	
	4.0 / 3.0				0.0			
							5	
					0.0		6	
					0.0		7	
	4.0 / 2.2				0.0		8	
							9	
					0.0		10	
								SM SC

- Dark brown (10YR, 3/3) sandy CLAY w/ silt, moist, soft
- Becomes brown (7.5 Y, 4/4), little sand, trace gravel
- Slight odor (sulfide)
- becomes yellowish-brown (10YR, 5/6), no odor
- Becomes dark yellowish-brown (10YR, 4/4), sandy, root casts
- Fiberglass pipe & wood debris (abandoned)

BY Mark Wanek DATE 9-17-03 CHECKED BY Dun

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER	LOCATION
28906318.01000	APN 7351-34-69

DRILLING METHOD: Mail M25 vibratory hammer

BORING NUMBER: SB00449

SAMPLING METHOD: 1.5" acetate sleeve, continuous core

SHEET: 2 OF 2

DRILLING: START TIME 0900 DATE 9-17-03; FINISH TIME 0930 DATE 9-17-03

SURFACE CONDITIONS: Grass

DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

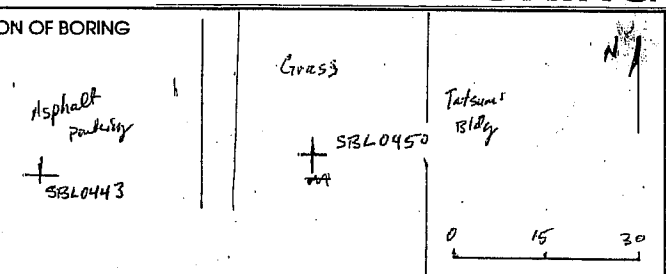
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					0.0		10	CL	- Fiberglass pipe & wood debris
								SC	Dark yellowish-brown (10YR, 4/4) fine SAND w/ clay and silt, ~~no~~ wet, med. dense
							11		
	4.0 / 2.7				0.0		12		
							13		- gravelly lens - Becomes olive-brown (2.5Y, 4/4), clayey faint root casts
					0.0				
							14		
					0.0				
							15		
							16		
									Boring completed to ~16' on 9-17-03
							17		
							18		
							19		
							20		

BY Mark Wentk DATE 9-17-03 CHECKED BY DCM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	APN 7851-34-69

DRILLING METHOD:	BORING NUMBER
Hand Auger to 15.2'	SBL0450
SAMPLING METHOD:	SHEET
2" brass sleeve, manual drive	1 OF 2
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME 0953 / TIME 1115
Grass	DATE 9-17-03 / DATE 9-17-03

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 grayish-brown (10YR, 3/2) CLAY w/ silt and fine sand
		0956			0.0		1		
							2		
							3		
							4		
							5		
							6		- Becomes dark grayish-brown (10YR, 4/2) sandy - light petroleum odor, ~~no~~ slight staining
		1024	6.5-7.0		0.0	SS01942	7		
							8		
							9	SC	Yellowish-brown (10YR, 5/6) fine SAND w/ clay and some silt, moist, dense, root casts no staining or odor
							10		

BY Mark Manek DATE 9-17-03 CHECKED BY DCM

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351-34-69

DRILLING METHOD:	BORING NUMBER
Hand Auger to 15.2'	SBL0450
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
Grass	0953	1115
	DATE 9-17-03	DATE 9-17-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							10	SC
							11	
		1102			0.0		12	
							13	
							14	
							15	
							16	
							17	
							18	
							19	
							20	

Boring completed to 15.2' on 9-17-03

DRILLING CONTRACTOR Gregg

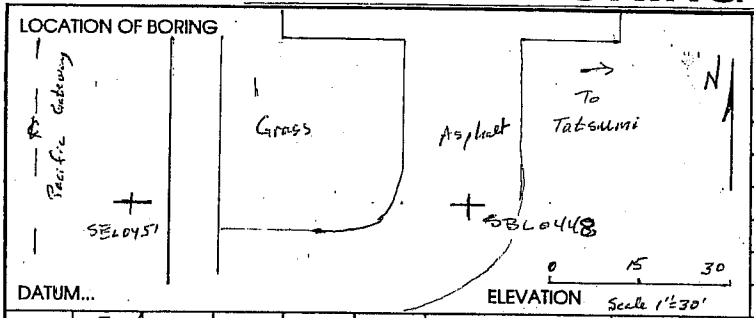
BY Mark Wanek

DATE 9-17-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
289063I8.01000	NB Magellan NW ~~APN 73~~ Pacific Gateway

DRILLING METHOD:	BORING NUMBER
Hand auger to 5.5' Mari 1125 vibratory hammer	SBL0451
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive 1.5" acetate sleeve, cont's core	1 OF 2
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME: 1130 / 1230
0.45' Asphalt	DATE: 9-17-03 / 9-17-03

DRILLING CONTRACTOR Gregg

BY Mark Wanek DATE 9-17-03 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
							1	SM	Very dark grayish-brown (10YR, 3/2) silty, fine-coarse SAND w/ gravel, moist, med. dense
							2	CL	Dark yellowish-brown (10YR, 4/4) sandy CLAY w/ silt, moist, soft (CL)
		1148	2.2-2.7		0.0	SSS01943			
	2.5/2.5	1203			0.0		3		
					0.0		4		
							5		
					0.0		6		Becomes yellowish-brown (10YR, 5/4), root casts, med. stiff
	4.0/3.3	1205			0.0		7	SM	Yellowish-brown (10YR, 5/4) silty very fine-fine SAND w/ little clay, moist, med. dense, root casts
							8		
							9	CL	Yellowish-brown (10YR, 5/4) sandy CLAY w/ silt, moist, med. stiff root casts
								SM	Dark yellowish-brown (10YR, 4/4) very silty, fine-fine SAND, moist, med. dense
					0.0		10		

BORING LOG

LOCATION OF BORING

DATUM...

ELEVATION

JOB NUMBER	LOCATION
28906318.01000	NB Pacific Gateway

DRILLING METHOD: Marl M25 vibratory hammer
Hand auger to 5.5'

BORING NUMBER: ~~SB4~~ MW SBL0451

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

SHEET 2 OF 2

SURFACE CONDITIONS: 0.45' Asphalt

DRILLING	START	FINISH
TIME	1130	1230
DATE	9-17-03	9-17-03

DRILLING CONTRACTOR Gregg

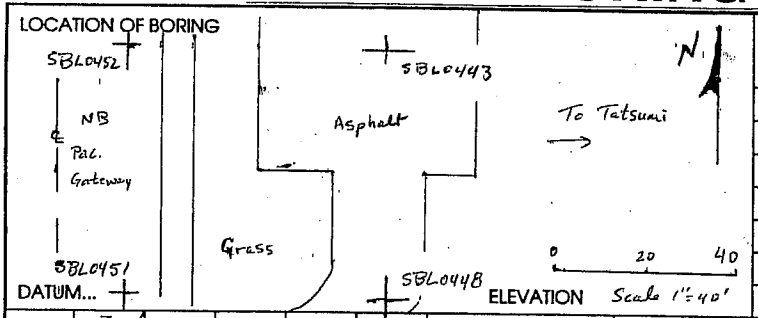
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					0.0			SM	
							10		- Becomes w/ silt, fine sand
							11		- Becomes light yellowish-brown (10YR, 6/4), gravelly
					0.0				
	4.0 / 3.6	1208			0.0		12		- Becomes olive-brown (10YR, 4/4) very fine sand, iron staining in root casts, silty
							13		
					0.0				- gypsum lens ~0.2'
							14		
					0.0		15		- 0.2', ~~gravelly~~ indurated mv lens, gypsum
							16		Boring completed to ~16' on 9-17-03
							17		
							18		
							19		
							20		

BY Mark Wanek
DATE 9-17-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION Scale 1"=40'

JOB NUMBER	LOCATION
28906318.01000	NB Pacific Gateway

DRILLING METHOD:	BORING NUMBER
Hand Auger to Marl M25 vibratory hammer	SBL0452

SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive 1.5" acetate liner, continuous core	1 OF 2

SURFACE CONDITIONS:	DRILLING START	DRILLING FINISH
0.45' Asphalt	TIME 1230 ~~1240~~ mw	TIME 1300
	DATE 9-17-03	DATE 9-17-03

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~~ SM	Very dark ~~V.~~
							2	CL	dark brown (10YR, 3/3) silty CLAY w/ sand moist, ~~dor~~ stiff
		1234	2.0-2.5		0.0	SSS01944			
							3	SM	Yellowish-brown (10YR, 5/4) silty very fine-fine SAND w/ clay, moist, dense
							4		- Becomes dark yellowish-brown, trace clay
	4.0 / 3.6	1245			0.0		5		- root casts apparent
							6		- Becomes ~~some~~ w/ clay
					0.0		7		- Becomes little clay - Becomes ~~some~~ w/ clay, increasing clay w/ depth
					0.0		8	SC	Dark yellowish-brown (10YR, 4/4) clayey very fine-fine SAND, ~~moist~~ w/ silt, moist, dense
	4.0 / 3.5	1250			0.0		9	SM	Yellowish-brown (10YR, 5/4) silty very fine-fine SAND, moist, dense
							10		

DRILLING CONTRACTOR Greg

BY Mark Wanek CHECKED BY DLM

DATE 9-17-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING

DATUM...

ELEVATION

JOB NUMBER	LOCATION
28906318.01000	NB Pacific Gateway

DRILLING METHOD:	BORING NUMBER
Hand Auger to 5.0'	
Marl M25 vibratory hammer	SBL0452

SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive	2 OF 2
1.5" acetate sleeve, continuous wall	

SURFACE CONDITIONS:	DRILLING START	DRILLING FINISH
	TIME 1230 ~~1240~~	TIME 1300
0.45' Asphalt	DATE 9-17-03	DATE 9-17-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
								SM	
							10		
					0.0				
							11		-Becomes med. dense
							12		
					0.0				- Becomes light olive-brown (2.5Y, 5/4), very fine sand, prominent root casts
							-13		
	4.0 / 3.5	1252			0.0				
							14		
					0.0		15		
							16		
					0.0				
							-17		Boring completed to ~17' on 9-17-03
							18		
							19		
							20		

DRILLING CONTRACTOR Greg

BY Mark Wenck

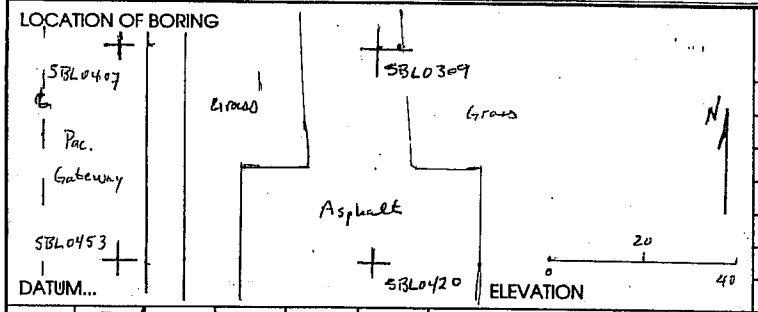
DATE 9-17-03

CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



JOB NUMBER	LOCATION
28906318.01000	NB Pacific Gateway

DRILLING METHOD: 4" Hand Auger to 5.0'; Mod 1425 vibratory hammer

BORING NUMBER: SBL0453

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

SHEET: 1 OF 2

SURFACE CONDITIONS: 0.45' Asphalt

DRILLING START TIME	DRILLING FINISH TIME	START DATE	FINISH DATE
1310	1330	9-17-03	9-17-03

DRILLING CONTRACTOR Gregg

BY Mark Wheeler DATE 9-17-03 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
							1	¼ SM	
								CL	Brown (10YR, 3 4/3)
	1.5 / 0.5	1313			0.0	SSS01945	2		
							3	SM	Brown (10YR, 4/3) silty very fine SAND w/ some clay, moist, dense
							4		
	3.0 / 3.0	1320			0.0		5		- Root casts apparent
							6		
					0.0				• Becomes w/ clay
							7	SC	Dark yellowish brown (10YR 4/4) silty very fine SAND w/ silt, moist, dense root casts prominent
					0.0				
	4.0 / 3.8	1323			0.0		8		
							9		
					0.0		10		

DAMES & MOORE

BORING LOG

LOCATION OF BORING

DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	NB Pacific Gateway

DRILLING METHOD:	BORING NUMBER
Hand Auger to 5.0' Mark M25 vibratory hammer	SBL0453
SAMPLING METHOD:	SHEET
2" Brass sleeve, manual drive 1.5" acetate liner, continuous core	2 OF 2
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME: 1310 / 1330
0.45' Asphalt	DATE: 9-17-03 / 9-17-03

DRILLING CONTRACTOR Gregg

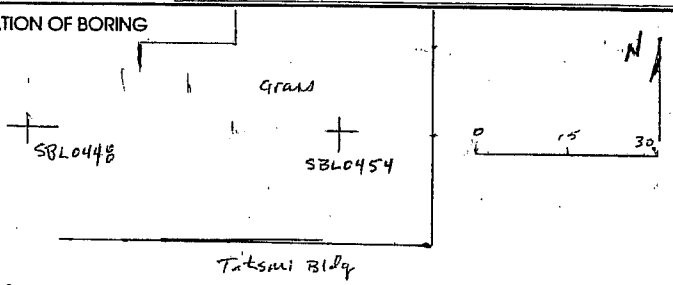
SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					1.0		10		-Becomes decreasing clay
								SM	Dark, yellowish-brown (10 YR, 4/4) silty very fine - fine SAND w/ trace clay, moist, med. dense, faint root casts
							11		
					0.0				-Root casts prominent
	4.0 / 3-8	1325			0.0		12		
							13		
					0.0				
							14		-Becomes no clay, fine - med. Sand, no root casts
							15		
					0.0				-Becomes olive-brown (2.5Y, 4/3), very fine Sand w/ little clay, root casts
							16		
									Boring completed to ~16' on 9-17-03
							17		
							18		
							19		
							20		

BY Mark Vencil DATE 9-17-03 CHECKED BY DCM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER 28906318.01000

LOCATION Tatsumi APN 7351-34-69

DRILLING METHOD: Hand Auger to 7.7'

BORING NUMBER SBL0454

SAMPLING METHOD: 2" Brass sleeve, manual drive

SHEET MW 1 OF X 1

DRILLING START TIME 1428 DATE 9-17-03 FINISH TIME 1520 DATE 9-17-03

SURFACE CONDITIONS: Grass

DRILLING CONTRACTOR Gregg

BY Mark Wanek DATE 9-17-03 CHECKED BY DTW

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							0	
								SM
							1	CL
		1433					2	
							3	
							4	
							5	
							6	
	0.5 / 0.5	1503	7.2-7.7		7.8	SS01946	7	
							8	
							9	
							10	

Brown (10YR, 4/3) silty fine SAND w/ clay, wet, loose, roots

Very dark grayish-brown (10YR, 3/2) silty CLAY w/ little fine sand, moist, stiff, light sulfide odor, staining

- Becomes decreased odor

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

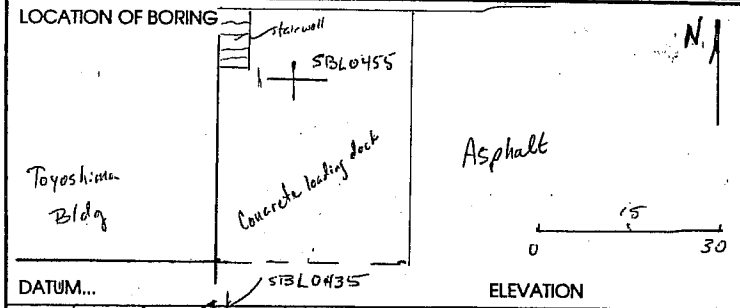
- Becomes dark gray (10YR, 4/1), moderate staining

Boring completed to 7.7' (refusal - concrete or rocks) on 9-17-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	Toyoshima APN 7351-34-74

DRILLING METHOD: Hand Auger to 3.0'; Marl MZ5 vibratory hammer

BORING NUMBER: SBL0455

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

SHEET: 1 OF 2

DRILLING CONTRACTOR Gregg

SURFACE CONDITIONS: ~~5.6~~ MW 0.55' Concrete

Note: boring in loading dock starts at 3.4' below grade

DRILLING START TIME	DRILLING FINISH TIME	DRILLING START DATE	DRILLING FINISH DATE
1545	1630	9-17-03	9-17-03

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 (re-enforced)
	0.5 / 0.5	1605	1.2 - 1.7		0.0	SSS01947	1	CL	
							2	SC	Dark yellowish-brown (10YR, 4/6) clayey fine SAND w/ silt, moist, dense
	4.0 / 3.1	1618			0.0		3	SM (FILL)	Dark yellowish-brown (10YR, 4/4) silty fine-med. SAND, moist, dense (FILL)
					0.0		4		
					0.0		5		- Becomes med. dense
	4.0 / 3.9	1624			0.0		6		
					0.0		7		↙ Sharp contact
							8	SC-CL (Native)	Yellowish-Brown (10 YR, 5/6) clayey very fine SAND-sandy CLAY w/silt, moist, soft, root casts
							9		
							10		

BY Mark Wenek DATE 9-17-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER	LOCATION
28906318.01000	Toyoshima APN 7351-34-74

DRILLING METHOD:	BORING NUMBER
Mod M25 vibratory hammer Hand Auger to 3.0'	SBL0455
SAMPLING METHOD:	SHEET
1.5" acetate liner, continuous core 2" brass sleeve, manual drive	2 OF 2
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME 1545 / 1630
0.55' Concrete	DATE 9-17-03 / 9-17-03

DRILLING CONTRACTOR Gregg

DATUM... ELEVATION

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							10	SC-CL
					0.0		11	
	4.0 / 3.5	1627			0.0		12	
								CL
					0.0		13	
							14	
					0.0			SC
							15	
							16	
							17	
							18	
							19	
							20	

CL: Dark yellowish-brown (10YR 4/4) sandy CLAY w/ silt, moist, ~~soft~~, root casts
Med. stiff

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

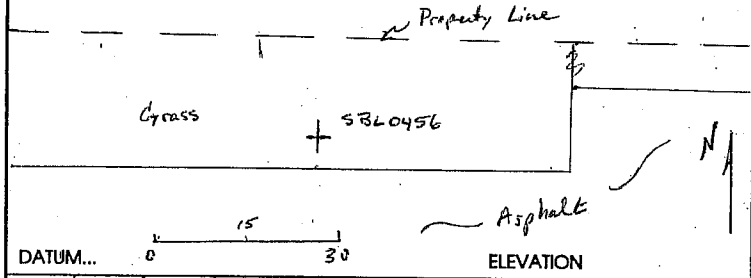
Boring completed to ~15' on 9-17-03

BY Mark Wanek
DATE 9-17-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	28906318.01000
LOCATION	Very Nice APN 7351-33-30
DRILLING METHOD:	Mail M25 vibratory hammer
BORING NUMBER	SBL0456
SAMPLING METHOD:	1.5' acetate liner, continuous core
SHEET	1 OF 1
SURFACE CONDITIONS:	Grass
DRILLING START TIME	0911
DRILLING FINISH TIME	0923
DATE	10-13-03
DATE	10-13-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	3.0 / 3.0	0912 ~~0912~~			0.0		0	SM	Dark grayish-brown (10YR, 4/2) silty very fine-fine SAND w/ gravel, dry, dense, roots and dry grass
		0912	1.5-2.0		0.0	SSS01948	1	CL	Very dark grayish-brown (10YR 3/2) and dark grayish-brown (10YR, 4/2) silty CLAY w/ fine sand, dry, very stiff
							2		-trace gravel
	3.0 / 3.0	0920			0.0		3		
							4	SC	Dark yellowish-brown (10YR, 4/4) and brown (10YR, 4/3) clayey fine SAND w/ silt and little gravel, moist, med. dense
					0.0		5		
							6		Boring Completed to ~6' on 10-13-03
							7		
							8		
							9		
							10		

DRILLING CONTRACTOR Gregg

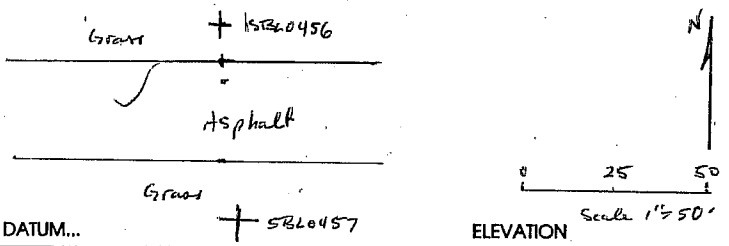
BY Mark Wanek

DATE 10-13-03 CHECKED BY DCM

DAMES & MOORE

BORING LOG

LOCATION OF BORING: Property Bdy



DATUM...

ELEVATION

JOB NUMBER	28906318.01000
LOCATION	Very Nice APN 7351-33-30
DRILLING METHOD:	Mark M25 vibratory hammer
BORING NUMBER	SBL0457
SAMPLING METHOD:	1.5" acetate liner, continuous core
SHEET	1 OF 1
SURFACE CONDITIONS:	Grass
DRILLING START TIME	0926
DRILLING FINISH TIME	0940
DATE	10-13-03
DATE	10-13-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
	3.0 / 2.9	0926					0	SM	Brown (10YR, 4/3) silty very fine - fine SAND w/ some gravel and little clay, dry, very dense, dry grass + roots
							1		
		0926	1.5-2.0		0.0	SS501949 ~~SS501960~~ MW	2	CL	Very dark grayish-brown (10YR, 3/2) silty CLAY w/ fine sand and trace gravel, dry, very stiff - trace asphaltic material at 1.4' - Becomes mottled w/ dark yellowish-brown (10YR, 4/4)
	3.0 / 2.8	0935			0.0		3		
							4		- Becomes ~~no~~ very dark brown (10YR, 2/2), decreased silt, moist, med. stiff
					0.0		5		
							6		Boring completed to ~6' on 10-13-03
							7		
							8		
							9		
							10		

DRILLING CONTRACTOR Gray

BY Mark Wanek

DATE 10-13-03 CHECKED BY DLM

DAMES & MOORE

Asphalt

SBL0457

BORING LOG

LOCATION OF BORING

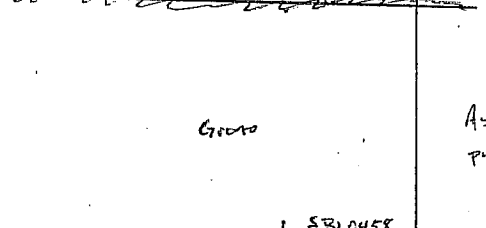
Grass

Asphalt parking

N

0 30 60

SBL0458



DATUM...

ELEVATION 1"=60'

JOB NUMBER	LOCATION
28906318.01000	Very Nice APN 7351-33-30

DRILLING METHOD:	BORING NUMBER
Marl M25 vibrating hammer	SBL0458

SAMPLING METHOD:	SHEET
1.5" acetated liner, continuous core	1 OF 1

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
Grass	0955	1000
	DATE 10-13-03	DATE 10-13-03

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		
	3.0 / 2.3	0955			0.0			CL	Dark yellowish-brown (10YR, 4/4) silty CLAY w/ very fine sand and trace gravel, dry, dense
							1		- Becomes very dark brown (10YR, 2/2)
		0955	1.5-2.0 ~~1.5-2.0~~ MW		0.0	SSS 01950	2		
							3		
	3.0 / 2.8	0958			0.0				- Becomes mottled w/ dark brown (10YR, 3/3), increased sand - Becomes very dark brown (10YR, 2/2), decreased sand
							4		
							5		
					0.0		6		
									Boring completed to ~6' on 10-13-03
							7		
							8		
							9		
							10		

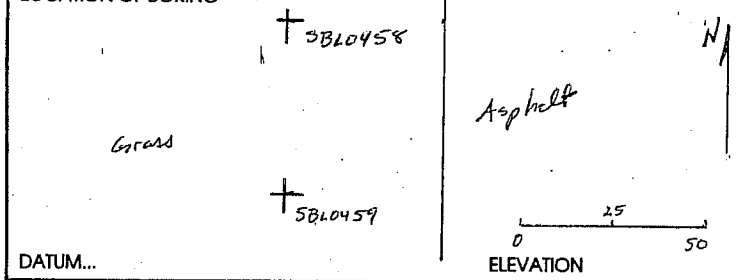
BY Mark Wanek

DATE 10-13-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION

JOB NUMBER	28906318.01000
LOCATION	Very Nice APN 7351-33-30
DRILLING METHOD:	Marl M25 vibrating hammer
BORING NUMBER	SBL0459
SAMPLING METHOD:	1.5" acetate liner, continuous core
SHEET	1 OF 1
SURFACE CONDITIONS:	Grass
DRILLING START TIME	1001
DRILLING FINISH TIME	1030
DATE	10-13-03
DATE	10-13-03

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		
	3.0 / 2.6	1015			0.0			CL	Yellowish-brown (10YR, 5/4) sandy CLAY w/ silt and trace gravel, dry, very stiff
							1		- Becomes very dark brown (10YR, 2/2) and dark gray (10YR, 4/1), silty w/ sand, moist, stiff
		1015	1.5-2.5		0.0	SSS01951	2		
									- Becomes very dark brown (10YR, 2/2) and dark yellowish-brown (4/4)
							3		
	3.0 / 2.9	1020			0.0				
							4		
									- Gravelly from 3.6-3.7'
							5		
					0.0		6		
									Boring completed to ~6' on 10-13-03
							7		
							8		
							9		
							10		

BY Mark Wauck

DATE 10-13-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING + SBL0459 Grass Asphalt + SBL0460

JOB NUMBER 28906318.01000

LOCATION Very Nice APN 7351-33-30

DRILLING METHOD: Mark 1125 vibratory hammer

BORING NUMBER SBL0460

SAMPLING METHOD: 1.5" acetate liner, continuous co

SHEET 1 OF 1

DRILLING CONTRACTOR Gregg

DATUM... ELEVATION

SURFACE CONDITIONS: Grass

DRILLING START TIME 1040 DATE 10-13-03

DRILLING FINISH TIME 1050 DATE 10-13-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
							0	
	3.0 / 2.8	1040			0.0			CL
		1040	1.5-2.0		0.0	SS501952	2	
	3.0 / 2.9	1045			0.0		3	
					0.0		6	

Yellowish-brown (10YR, 5/4) silty CLAY w/ fine sand, dry, very stiff, trace gravel

- Becomes dark grayish-brown (10YR, 4/2)

- 0.2' lense of yellowish-brown (10YR, 5/4) silty fine sand

- Becomes dark brown (10YR, 3/3) and very dk brown (10YR, 2/2), moist, stiff

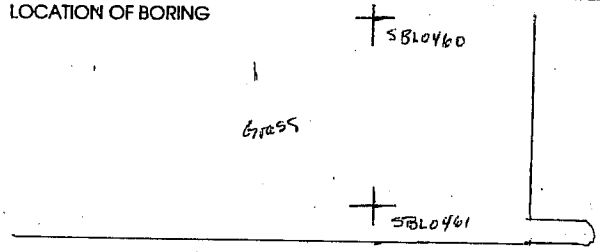
Boring completed to 6' on 10-13-03

BY Mark Edwards DATE 10-13-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



JOB NUMBER	LOCATION
289063/8.01000	Very Nice APN 7351-33-30

DRILLING METHOD:	BORING NUMBER
Mar-1 M25 vibratory hammer	SBL0461
SAMPLING METHOD:	SHEET
1.5" acetate liner, continuous core	1 OF 1
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME: 1102 / 1120
Grass	DATE: 10-13-03 / 10-13-03

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	CL	Brown (10YR 4/3) silty CLAY w/ fine sand and trace gravel, dry, very stiff
	3.0 / 2.4	1105			0.0				
							1		-Becomes very dark brown (10YR 2/2)
		1105	1.5-2.0		0.0	SSSD1953	2		
							-3		-Becomes mottled w/ brown (10YR 5/3) moist.
	3.0 / 3.0	1116			0.0				
							4		- Brick fragments
							5		-Becomes stiff
					0.0		-6		
									Boring completed to 6' on 10-13-03
							7		
							8		
							9		
							10		

BY Mark Schneider DATE 10-13-03 CHECKED BY DLM

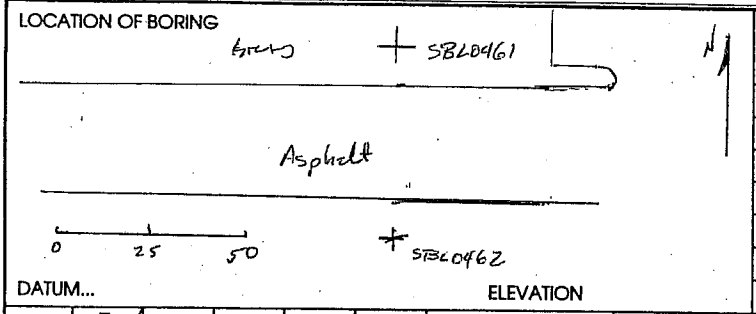
DAMES & MOORE

BORING LOG

LOCATION OF BORING: Grass + SBL0461

Asphalt

0 25 50 + SBL0462



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	Very Nice APN 7351-33-30

DRILLING METHOD: Mari M25 vibratory hammer

BORING NUMBER: SBL0462

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

SHEET: 1 OF 1

SURFACE CONDITIONS: Grass

DRILLING	START	FINISH
TIME	1125	1140
DATE	10-13-03	10-13-03

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		
	3.0 / 2.4	1126			0.0			CL	Brown (10YR, 4/3) silty CLAY w/ fine sand and trace gravel, dry, very stiff
							1		
			1.4-2.4		0.0	SSS01954	2		
							3		
	3.0 / 2.1	1130			0.0				- Becomes very dark brown (7.5YR, 2.5/2) no sand, gravel, moist, stiff
							4		- Becomes w/ sand, trace gravel
					0.0		5		
							6		
									Boring completed to ~6' on 10-13-03
							7		
							8		
							9		
							10		

BY: Mark Wanek DATE: 10-13-03 CHECKED BY: DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING — Property Bdy

Landscape — N

SBL0463

Asphalt

DATUM... Parking

to ITT TECH BLDG

ELEVATION 5 10

JOB NUMBER 28906318.01000

LOCATION Very Nice AIN 7351-33-30

DRILLING METHOD: Mar1 M25 vibratory hammer

BORING NUMBER SBL0463

SAMPLING METHOD: 1.5" acetate liner, comb's cores

SHEET 1 OF 2

DRILLING CONTRACTOR Gregg

SURFACE CONDITIONS: 0.33' Asphalt

DRILLING START TIME 1145 DATE 10-13-03

DRILLING FINISH TIME 1200 DATE 10-13-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0		
	4.0 / 3.6	1148			0.0			A/C	
			~~1.0~~				1	CL	Very dark brown (10 YR, 2/2) silty clay w/ fine sand, moist, stiff
							2		- Becomes sandy, yellowish-brown (10 YR, 5/6) - asphaltic material - Becomes trace sand, very dark brown (10 YR, 2/2)
					0.0		3		
	4.0 / 3.8	1150			0.0		4		
							5		
									- Becomes mottled w/ dark yellowish-brown (10 YR, 4/4)
							6		
							7		- Becomes gravelly
					0.0				
	4.0 / 3.6	1153			0.0		8		
							9		
								SM	Olive-brown (2.5 Y, 4/3) silty very fine SAND, moist, med. dense, moderate staining, NH_3-like odor
							10		

BY Mark Ickes DATE 10-13-03 CHECKED BY DCM

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER: 28906318.01000

LOCATION: Very Nice APN 7351-33-30

DRILLING METHOD: Mari M25 vibrating hammer

BORING NUMBER: SBL0463

SAMPLING METHOD: 1.5" acetate liners, continuous core

SHEET: 2 OF 2

DRILLING START TIME: 1145 DATE: 10-13-03

DRILLING FINISH TIME: 1200 DATE: 10-13-03

SURFACE CONDITIONS: 0.32' Asphalt

DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

BY Mark Lukens DATE 10-13-03 CHECKED BY DLM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
		~~1153~~	~~9.7-11.6~~	~~—~~			10	SM
		1153	9.7-11.6		0.0	SSS01955		
							11	
							12	
	4.0 / 3.0	1158			0.0			SP
							13	
								SM
							14	
								CL
					0.0		15	
							16	
							17	
							18	
							19	
							20	

- Becomes ~~dark~~ grayish-brown (~~2.5Y~~ 10YR 4/2) increased staining and odor

- Becomes decreased silt, Light olive-brown (~~2.5Y~~ 2.5Y, 5/3) fine SAND w/ trace silt, moist, med. dense, moderate staining & odor

- Olive-brown (~~2.5Y~~ 2.5Y, 4/3) silty fine SAND w/ silt, moist, med. dense, heavy staining & moderate - strong NH_3-like odor

- Becomes olive-brown (~~2.5Y~~ 2.5Y, 4/3), ~~increased~~ staining & NH_3-like odor, ~~5pt~~

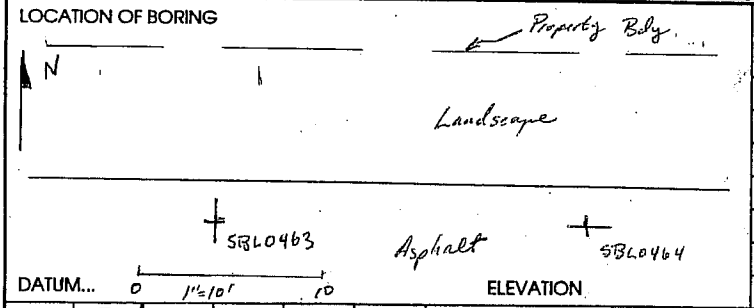
Very dark brown (10YR, 2/2) silty CLAY w fine sand, moist, stiff, no staining or odor

Boring completed to ~16' on 10-13-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... 0 1"=10' 10 ELEVATION

JOB NUMBER	LOCATION
28906318.01000	Very Nice APN 7351-33-30

DRILLING METHOD:	BORING NUMBER
Marl M25 vibrating hammer	SBL0464

SAMPLING METHOD:	SHEET
1.5" acetate liner, Cont's cone	1 OF 2

SURFACE CONDITIONS:	DRILLING START	DRILLING FINISH
0.33' Asphalt	TIME 1220	TIME 1320
	DATE 10-13-03	DATE 10-13-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0		
	4.0 / 3.7	1225			0.0			CL	Very dark grayish-brown (10YR, 3/2) silty CLAY w/ some fine sand & trace gravel moist, stiff
							1		- Becomes brown (10YR, 4/3) soft
			~~1.5-2.2~~ mw						- Becomes very dark grayish-brown (10YR, 3/2) med. stiff
		1225	1.5-2.2		0.0	SSS01956	2		
							3		- Becomes dark grayish-brown (10YR, 4/2) no gravel & trace fine sand.
					0.0		4		- Becomes gravelly.
	4.0 / 3.7	1238			0.0				- Become some gravel
							5		
					0.0		6		
									- Becomes brown (10YR, 4/3)
					0.0		7		- Become sandy, dark yellowish-brown (10YR, 4/4)
	4.0 / 3.7	1251			0.0		8		
							9		
					0.0		10		- Blue-green (GLEY1, 4/5G) flakes
									- Becomes gravelly

DRILLING CONTRACTOR Gregg

BY Mark Wanek DATE 10-13-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION Very Nice
	28906318.01000	APN 7351-33-30

DRILLING METHOD:	BORING NUMBER
1.5" acetate lines, cts core	SBL04 64
SAMPLING METHOD:	SHEET
Marl M25 vibrating hammer	2 OF 2

DATUM... ELEVATION

SURFACE CONDITIONS: 0.33' Asphalt

DRILLING	START	FINISH
TIME	1220	1320
DATE	10-13-03	10-13-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10		
								SM	Dark yellowish-brown (10YR, 4/4) silty fine SAND, moist, med. dense, root casts
							11		
					0.0		12		
	4.0 / 3.1	1313			0.0				
							13		
									- Becomes decreased silt, light olive-brown (2.5Y, 5/3)
							14		
					0.0		15		
							16		Boring completed to ~16' on 10-13-03
							17		
							18		
							19		
							20		

DRILLING CONTRACTOR Gregg

BY Mark Wanek

DATE 10-13-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING

SBL0465 SBL0463 SBL0464

DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

BY Mark Wanek CHECKED BY PLM

DATE 10-13-03

JOB NUMBER	LOCATION
28906318.01000	Very Nice APN 7351-33-30

DRILLING METHOD:	BORING NUMBER
Mart M25 vibrating hammer	SBL0465
SAMPLING METHOD:	SHEET
1.5" acetate liner, continuous core	1 OF 2
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME: 1330 / 1348
0.33' Asphalt	DATE: 10-13-03 / 10-13-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0		
	4.0 / 3.6	1332			0.0			A/C	
								CL	Very dark grayish-brown (10YR, 3/2) and dark yellowish-brown silty CLAY w/ fine sand and trace gravel, moist, ~~dense~~ stiff
							1		
							2		
							3		
					0.0				- Becomes ~~brown~~ strong brown, sandy
									- Becomes little sand
	4.0 / 3.8	1335			0.0		4		- Becomes dark grayish-brown (10YR, 4/2)
							5		
									- Becomes dark yellowish-brown (10YR, 4/4) sandy
							6		
									- Becomes very dk grayish-brown (10YR, 3/2)
							7		
					0.0				
	4.0 / 3.8	1341			0.0		8		
							9	SM	Dark grayish brown (2.5Y, 4/2) silty very fine - fine SAND, moist, med dense, moderate staining & styrene odor
							10		

BORING LOG

LOCATION OF BORING

JOB NUMBER: 28906318.01000

LOCATION: King Nice APN 7351-33-30

DRILLING METHOD: Mark 1325 vibratory hammer

BORING NUMBER: SBL0465

SAMPLING METHOD: 1.5" acetate liner continuous cores

SHEET: 2 OF 2

DRILLING START TIME: 1320 DATE: 10-13-03

DRILLING FINISH TIME: 1346 DATE: 10-13-03

SURFACE CONDITIONS: 0-33' Asphalt

DATUM... ELEVATION

DRILLING CONTRACTOR Gregg

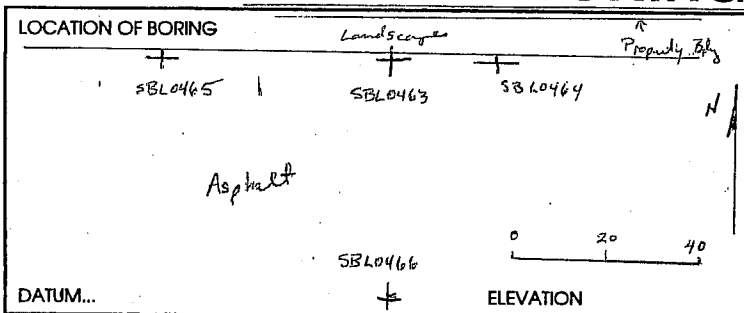
BY Mark Maurer DATE 10-13-03 CHECKED BY DLM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
								SM	
							10		
							11		
					0.0		12		
	4.0 / 3.4	1345							- Becomes increased odor
							13		
							14		
		1345	14.0-15.0		0.0	SSS01957			- Becomes strong odor, moderate staining
							15		
							16		
									Boring completed to ~16' on 8mm 10-13-03
							17		
							18		
							19		
							20		

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	28906318.01000
LOCATION	Very Nice APN 7351-33-30
DRILLING METHOD:	Marl M25 vibratory hammer
BORING NUMBER	SBL0466
SAMPLING METHOD:	1.5" acetate liner, continuous core
SHEET	1 OF 2
SURFACE CONDITIONS:	0.33' Asphalt
DRILLING START TIME	1405
DRILLING FINISH TIME	1425
DATE	10-13-03
DATE	10-13-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0		
	4.0 / 2.4	1407						A/C	
								CL	Very dark gray (10YR 3/1) silty CLAY w/ trace fine sand & gravel, moist, med. stiff
							1		
			1.5-2.0		0.0	SSS01958			- Becomes some sand
							2		- Becomes wet, soft
							3		
	4.0 / 3.7	1410			0.0		4		
							5		- Becomes mottled w/ dark yellowish-brown (10YR 4/5) some gravel
							6	~~MOST~~ ~~SM~~ ~~SC~~ MW	~~Brown (10YR 4/3) silty fine SAND w/ silt, moist, med. dense, faint root casts~~ clayey
		1410	7.0-7.5		0.0	SSS01959	7		- Black asphaltic material included
	4.0 / 3.7	1415			0.0		8		
							9		
					0.0		10	SC	Brown (10YR 4/3) clayey fine SAND w/ silt, moist, med. dense, faint root casts

DRILLING CONTRACTOR Gregg

BY Mark Wenck DATE 10-13-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING	JOB NUMBER	LOCATION
	28906318.01000	APN 7351-33-30

DRILLING METHOD:	BORING NUMBER
Marl M25 vibratory hammer	SBL0466
SAMPLING METHOD:	SHEET 2 OF 2
1.5" acetate liner, cts core	DRILLING START TIME 1405 DATE 10-13-03 / FINISH TIME 1425 DATE 10-13-03
SURFACE CONDITIONS: 0.33' Asphalt	

DATUM... ELEVATION

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							10	SM/SC	Brown (10YR, 4/3) clayey fine SAND w/ silt, moist, med. dense, faint root casts
					0.0		11		
							12	SM	Olive-brown (2.5Y, 4/3) silty very fine-fine SAND, moist, med. dense
	4.0 / 1.0	1422			0.0				
							13		
							14		
							15		
							16		Bring completed to ~16' on 10-13-03
							17		
							18		
							19		
							20		

DRILLING CONTRACTOR Gregg

BY Mark Wanek

DATE 10-13-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING: Asphalt + SBL0467 | LANDSCAPE | Property Line | N

0 10 20 DATUM... scale 1"=20' | sidewalk | ELEVATION

JOB NUMBER: 28906318.01000 | LOCATION: Arden APN 7351-31-29

DRILLING METHOD: Truck-mounted Geoprobe vibratory hammer | BORING NUMBER: SBL0467

SAMPLING METHOD: 1.5" acetate liner, continuous core | SHEET: 1 OF 2

SURFACE CONDITIONS: 0.2' Asphalt | DRILLING START TIME: 1010 DATE: 11-13-03 | DRILLING FINISH TIME: 1115 DATE: 11-13-03

DRILLING CONTRACTOR KTE

BY Mark Wenzel DATE 11-13-03 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		
	4.0 / 3.8	1015			0.0			A/C	Asphalt
								SM	Pale Brown (10YR, 6/3) silty very fine SAND w/ gravel, dry, very dense, brick fragments, plastic debris
							1		
		1015	1.5-2.0		0.1 0.0 max	SSS01960			
							2		- Becomes brown (10YR, 4/3), moist, decreased gravel, no brick, little clay
							3		
					0.7			CL	Dark yellowish-brown (10YR, 4/4) sandy CLAY with silt and some gravel, moist, very stiff
	4.0 / 3.4	1046			0.1		4		
							5		- Becomes more yellow (10YR, 3/4)
					0.1				
							6		- Becomes gravelly
								SM	Brown (10YR, 5/3) silty very fine - med. SAND w/ gravel, moist, very dense
					0.1		7		- Becomes some clay
	4.0 / 3.8	1059			0.0		8		- Becomes yellowish-brown (10 YR, 5/6), very fine sand, ~~no~~ root casts
							9		
					0.1				
							10		

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER 28906318.01000

LOCATION Arden APN 7351-31-29

DRILLING METHOD: Truck-mounted Geoprobe, vibratory hammer

BORING NUMBER SBL0467

SAMPLING METHOD: 1.5" acetate liner, cores core

SHEET 2 OF 2

DRILLING START TIME 1010 DATE 11-13-03

DRILLING FINISH TIME 1115 DATE 11-13-03

SURFACE CONDITIONS: 0.2' Asphalt

DATUM... ELEVATION

DRILLING CONTRACTOR ETE

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			
	4.0/3.3	1113			0.1		12	
							13	
					0.1		14	
							15	
					0.1			
							16	
							17	
							18	
							19	
							20	

- Becomes little clay

- Becomes no clay, dark yellowish-brown (10 YR, 4/6), dense

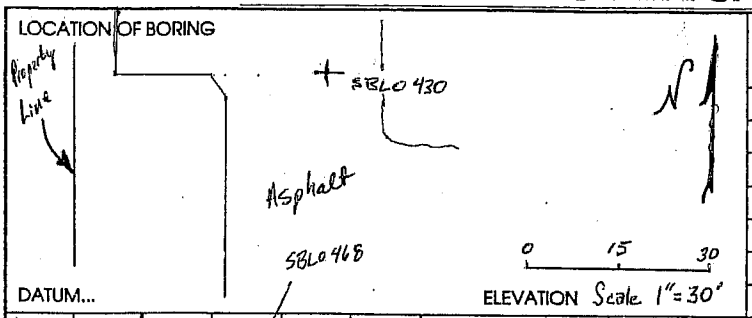
Boring completed to ~16' on 11-13-03

BY Mark Wanek DATE 11-13-03 CHECKED BY PCM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM...

ELEVATION Scale 1" = 30'

JOB NUMBER	LOCATION
28906318.01000	Viking APN 7351-31-20

DRILLING METHOD:	BORING NUMBER
Truck-mounted Geoprobe, vibratory hammer	SBLO 468

SAMPLING METHOD:	SHEET
1.5" acetate liner, continuous core	1 OF 1

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.2' Asphalt	1135	1215
	DATE 11-13-03	DATE 11-13-03

DRILLING CONTRACTOR KTE

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 / 2.4	1154			0.1			SM	Very dark grayish-brown (10YR, 3/2) & very dk brown (10YR, 2/2) silty fine-coarse SAND w/ little gravel, moist, loose
		1154	0.5-1.0		0.1	SSS01961			- Becomes very dark brown & olive-brown (2.5Y, 4/4) ~~slig lit~~ slight odor & staining
							1	CL	Dark-brown (10YR, 3/3) CLAY w/ silt & gravel, & sand, moist, stiff, brick fragments
					0.0		2		- Becomes
									- Concrete slab at 2.4'
							3		Boring completed to 2.4' on 11-13-03 (Refusal)
							4		
							5		
							6		
							7		
							8		
							9		
							10		

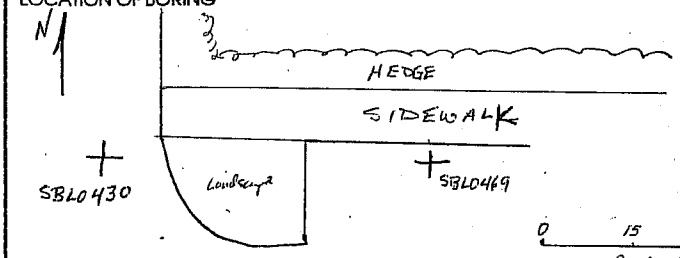
BY Mark Wanek

DATE 11-13-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	Viking APN 7351-31-20

DRILLING METHOD:	BORING NUMBER
Truck-mounted Geoprobe, vib. hammer	SBL0469
SAMPLING METHOD:	SHEET 1 OF MW 2 1
1.5" acetate liners, continuous core	DRILLING START TIME 1220 DATE 11-13-03; FINISH TIME 1300 DATE 11-13-03
SURFACE CONDITIONS: 0.2' Asphalt	

DRILLING CONTRACTOR KTE

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
	4.0 / 3.9	1225			1.3		0	A/C
								GM
		1225	0.9-1.4		0.0	SSS01962	1	SM
							2	
							3	CL
					0.1		4	
							5	
							6	
							7	
							8	
							9	
							10	

Asphalt

Very dark grayish-brown (10YR, 3/2) silty GRAVEL w/ sand, dry, dense

Dark brown (10YR, 3/3) silty very fine SAND w/ trace clay, moist, dense

- Becomes very dark grayish-brown (10YR, 3/2), slight staining, no odor
- Becomes dark yellowish-brown (10YR, 3/4)

- Becomes trace gravel, some ~~clay~~ clay.

? trace gravel

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

Boring completed to 3.9' on 11-13-03 (Refusal - concrete slab)

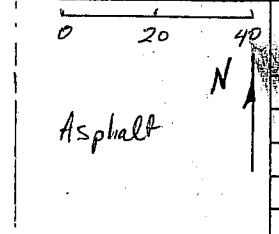
BY Mark Wanek CHECKED BY DM

DATE 11-13-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING: SBL0470



JOB NUMBER: 28906318.01000

LOCATION: Jardine Logistics APN 7351-33-37

DRILLING METHOD: Truck-Mounted Geoprobe, vibratory hammer

BORING NUMBER: SBL0470

SAMPLING METHOD: 1.5" acetate liner, continuous core

SHEET: 1 OF 2

DATUM... SBL0465 ELEVATION

DRILLING: START TIME 1405 DATE 11-13-03; FINISH TIME 1445 DATE 11-13-03

SURFACE CONDITIONS: 0.35' concrete

DRILLING CONTRACTOR KTE

BY Marla Ware DATE 11-13-03 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	Concrete
	4.0 / 3.8	1408			0.1		1	CL	Dark yellowish-brown (10YR, 3/6) silty CLAY w/ sand & gravel, moist, med. stiff - stiff
		1408	1.5-2.0		0.1	SS501963	2		
					0.6		3	SM	Yellowish-brown (10YR, 5/4) silty fine SAND w/ gravel, moist, dense
	4.0 / 3.8	1411			0.1		4		
							5		-Becomes little clay
								CL	Brown (10YR, 4/3) sandy CLAY, moist, stiff, root casts
					0.7		6	SC	Yellowish-brown (10YR, 5/6) clayey fine SAND w/ trace silt, moist, dense, root casts
							7		
					0.1			SM	Dark yellowish-brown (10YR, 4/6) silty fine SAND w/ some clay, moist, dense, root casts
	4.0 / 3.4	1418			0.1		8		-Becomes no clay
							9		
					0.1		10		

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER 28906318.01000

LOCATION Jardine Logistics APN 7351-33-37

DRILLING METHOD: 1.5" acetate liner; cont. core

BORING NUMBER SBL0470

SAMPLING METHOD: Truck-mounted Geoprobe, vibratory hammer

SHEET 2 OF 2

DRILLING: START TIME 1405 DATE 11-13-03; FINISH TIME 1445 DATE 11-13-03

DATUM... ELEVATION

SURFACE CONDITIONS: 0.35' Concrete

DRILLING CONTRACTOR KTE

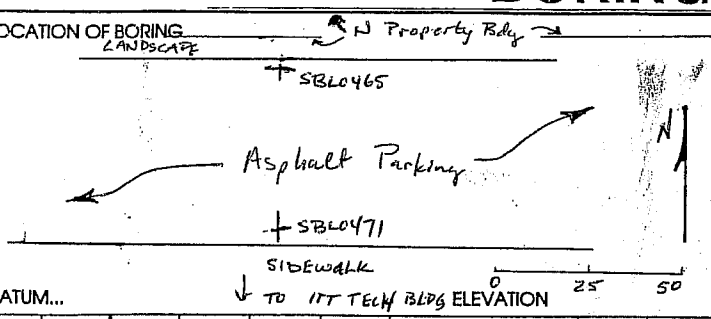
BY Mark Wanek DATE 11-13-03 CHECKED BY DLM

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					0.1		10	SM	
									-Becomes ~~increased sand~~ (decreased silt) faint root casts
							11		
					0.1				
							12		
	4.0 / 1.4	1430			0.3			CL	Light olive-brown (2.5Y, 5/4) silty CLAY w/ little very fine sand, moist, soft, mottled w/ rust-colored root casts
							13		→ Becomes sandy
					0.6				
							14		
							15		
							16		
									Boring completed to ~16' on 11-13-03
							17		
							18		
							19		
							20		

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	Very Nice APN 7351-33-30

DRILLING METHOD:	BORING NUMBER
Truck-mounted Geoprobe, vibratory hammer	SBL0471
SAMPLING METHOD:	SHEET
1.5" acetate liner, continuous core	1 OF 2

SURFACE CONDITIONS:	DRILLING START TIME	DRILLING FINISH TIME
0.2' Asphalt	1507	1545
	DATE 11-13-03	DATE 11-13-03

DRILLING CONTRACTOR KTE

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 / 3.9	1510			0.1			GM	Very dark grayish-brown (10YR, 3/2) silty GRAVEL w/sand, moist, dense
								CL	Dark yellowish-brown (10YR, 4/4) CLAY w/ silt and little very fine SAND, trace gravel moist, med. stiff
		~~1510~~	~~1020~~ mw		0.1	~~SS501963~~ mw ~~SBL SS501964~~ mw	1	No Sample collected (mw)	
							2		- Becomes some gravel, mottled w/ brown (10YR, 4/3)
							3		
					0.3 ~~0.6~~ mw				
	4.0 / 3.9	1516			0.1		4		- Becomes trace very fine sand
							5		
					0.1		6		- Becomes sandy
							7		- Root casts apparent
					0.1		8	SM	Dark yellowish-brown (10YR, 4/6) silty very fine SAND w/ little clay ~~mois~~ and trace gravel, moist, med. dense
	4.0 / 2.0	1524			0.1				
							9		- Becomes light olive-brown (2.5Y, 4/4) fine sand, no clay or gravel
					0.2		10		

BY Mark Wanek CHECKED BY DLM

DATE 11-13-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER 28906318.01000

LOCATION Very Nice APN 7351-33-30

DRILLING METHOD: Truck-mounted Geoprobe, vibratory hammer

BORING NUMBER SBL0471

SAMPLING METHOD: 1.5" Acetate liners, continuous core

SHEET 2 OF 2

DRILLING CONTRACTOR KTE

DATUM... ELEVATION

SURFACE CONDITIONS: 0.2' Asphalt

DRILLING START TIME 1507 DATE 11-13-03

DRILLING FINISH TIME 1545 DATE 11-13-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					0.2		10	SM	
							11		
							12		
	4.0 / 2.3	1540							- Becomes dark yellowish-brown (10YR, 4/4) trace clay
							13		
		1540	13.3-14.3		2.0	SS501964	14	SP	Light olive-brown (~~10YR~~, 2.5Y, 5/4) & very fine SAND w/ trace silt, moist, med. dense
							15		
							16		Boring completed to ~16' on 11-13-03
							17		
							18		
							19		
							20		

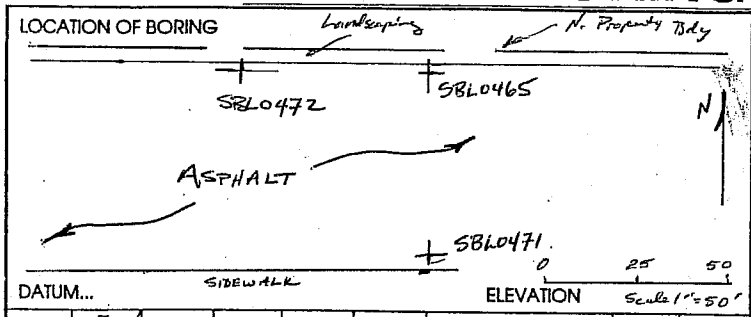
BY Mark Wheeler CHECKED BY DLM

DATE 11-13-03

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION Scale 1"=50'

JOB NUMBER: 28906318.01000	LOCATION: Very Nice APN 7351-33-30
DRILLING METHOD: Truck-mounted Geoprobe, vibratory-hammer	BORING NUMBER: SBL0472
SAMPLING METHOD: 1.5" acetate liner, coats core	SHEET 1 OF 2
SURFACE CONDITIONS: 0.2' Asphalt	DRILLING START TIME 1555 DATE 11-13-03; FINISH TIME 1645 DATE 11-13-03

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-coarse sand w/gravel
	4.0 / 3.8	1600			0.1			CL	Very dark brown (10YR, 2/2) silty CLAY w/ little very fine sand and gravel, moist, stiff
							1		
							2		- Brick
					0.1				
							3		
					0.1				
	4.0 / 3.8	1610			0.1		4		
									- Becomes gravelly from 4.6 - 4.9'
							5		
					0.1				- Becomes sandy w/ gravel
							6		
							7		
		1610	7.4-7.8		1.2	SSS01965			- copper staining (blue-green) and black asphaltic material
	4.0 / 3.9	1615			0.1		8		
							9		- Brick fragments
					0.3				- ~~Cobble~~ Cobble ~ 0.15' in diameter
							10	SM	Dark yellowish-brown (10YR, 4/6) silty very fine SAND,

DRILLING CONTRACTOR KTE

BY Mark Wanek DATE 11-13-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER	LOCATION
28906318.01000	Very Nice APN 7351-33-30

DRILLING METHOD:	BORING NUMBER
Truck mounted Geoprobe, vibratory hammer	SBL0472
SAMPLING METHOD:	SHEET
1.5" acetate liners, coarse core	2 OF 2
	DRILLING START / FINISH
SURFACE CONDITIONS:	TIME: 1555 / 1645
0.2' Asphalt	DATE: 11-13-03 / 11-13-03

DRILLING CONTRACTOR KTE

DATUM... ELEVATION

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH
					0.3		10	fill
							11	
					0.5			
	4.0 / 2.7	1631			1.8		12	
							13	
							14	
					2.2			
							15	
							16	
							17	
							18	
							19	
							20	

- Becomes olive-brown (2.5Y, 4/4)
- faint root casts
- Becomes trace silt, dark grayish-brown (to 2.5Y, 4/2), light odor & staining

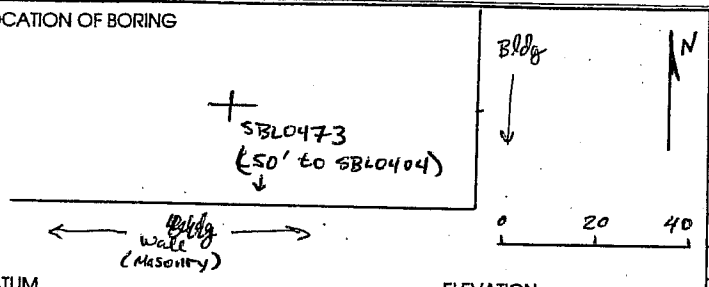
Boring completed at ~16' on 11-13-03

BY Mark Wanek DATE 11-13-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	RR Donnelley APN 7351-34-50

DRILLING METHOD:	BORING NUMBER
Truck-mounted Geoprobe, vibratory hammer	SBL0473
SAMPLING METHOD:	SHEET
1.5" acetate liners, cont's core	1 OF 2
SURFACE CONDITIONS:	DRILLING START TIME 1710 DATE 11-13-03 / FINISH TIME 1800 DATE 11-13-03
~~1.5" acetate liners, conditions same~~ 0.25' Asphalt	

DRILLING CONTRACTOR KTE

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 / 3.8	1715						GM	Very dark grayish-brown (10YR, 3/2) silty GRAVEL
								SM	Very dark grayish-brown silt (10YR, 3/2) silty fine SAND w/ clay, moist, med. dense, strong VOC odor → trace gravel
							1		
							2		
		1715 ~~1727~~	2.0-2.3		0.6	SSS01966			- Becomes very strong odor, moderate staining
							3	CL	Dark brown (10YR, 3/3) silty CLAY w/ very fine sand, moist, med. stiff
					0.9				
	4.0 / 3.8	1727			0.1		4		- Becomes light odor + stain, no apparent staining
									- Becomes light olive-brown (2.5Y, 5/4) root casts prominent, stiff
							5		
					0.7				
							6		
							7		
					0.5				
	4.0 / 3.8	1734			1.9		8		
							9		
									- Becomes sandy w/ silt
					0.2		10		

BY Mark Wanek DATE 11-13-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER 28906318.01000

LOCATION RR Donnelly APN 7351-34-50

DRILLING METHOD: Truck-mounted Geoprobe, vibratory hammer

BORING NUMBER SBL0473

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

SHEET 2 OF 2

DRILLING START TIME 1710 DATE 11-13-03

DRILLING FINISH TIME 1800 DATE 11-13-03

SURFACE CONDITIONS: 0.25' Asphalt

DATUM... ELEVATION

DRILLING CONTRACTOR KTE

BY Mark Wanek CHECKED BY DCM

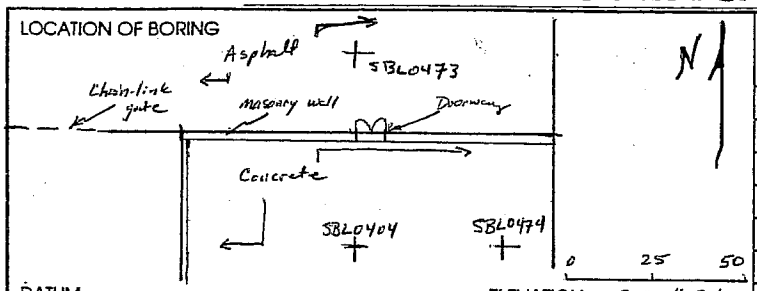
DATE

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					0.2		10	CL	- Some gravel 10.4'-10.6'
							11	SC	Light olive-brown (2.5Y, 5/4) clayey very fine SAND w/silt, moist, dense, root casts
					2.8		12	SM	
	4.0/3.1	1742			0.7				Light olive-brown (2.5Y, 5/4) silty very fine SAND, moist,
					0.3		13		
							14		- Moderate odor
		1742	14.7-15.0		0.9	SSS01967	15		
							16		Boring Completed to -16' on 11-13-03
							17		
							18		
							19		
							20		

DAMES & MOORE

BORING LOG

LOCATION OF BORING



DATUM... ELEVATION

JOB NUMBER	LOCATION
28906318.01000	RR Donnelly APN 7351-34-50

DRILLING METHOD: ~~Limited Access Track mounted~~ Geoprobe vibratory hammer

BORING NUMBER: SBL0474

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

SHEET 1 OF 2

DRILLING CONTRACTOR ETS

DRILLING START TIME	DRILLING START DATE	DRILLING FINISH TIME	DRILLING FINISH DATE
1830	11-13-03	20:00	11-13-03

SURFACE CONDITIONS: 0.9' Concrete

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
							0		
	4.0 / 3.7	1835						A/C	Concrete
							1	CL	Very dark grayish-brown (10YR, 3/2) silty CLAY w/ fine sand & ~~trace~~ little gravel, moist, med. stiff, moderate VOC odor & staining
									- Becomes strong odor, trace gravel
		1935	20-23		PID malfunction	SSS01968	2		
									- Becomes dark brown (10YR, 3/3), little odor and no apparent staining, decreased sand & no gravel, root casts faint
							3		- Becomes no odor
	4.0 / 3.5	1910			"		4		dk yellowish-brown (10YR, 4/4) - Becomes trace gravel & little sand
							5		light olive-brown (2.5Y, 5/4), decreased silt
									- Becomes trace sand & no gravel, prominent root casts, stiff
							6		
							7		- Becomes some very fine sand, med. stiff
	4.0 / 3.8	1917			"		8		
							9		- Becomes increased silt
							10		

BY Mark Wanek DATE 11-13-03 CHECKED BY DLM

DAMES & MOORE

BORING LOG

LOCATION OF BORING

JOB NUMBER 28906318.01000

LOCATION RR Donnelly APN 7351-34-50

DRILLING METHOD: Limited Access Geoprobe, Vibratory Hammer

BORING NUMBER SBL0474

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

SHEET 2 OF 2

DRILLING START TIME 1830 DATE 11-13-03; FINISH TIME 2000 DATE 11-13-03

DATUM... ELEVATION

SURFACE CONDITIONS: 0.9' Concrete

DRILLING CONTRACTOR KTE

BY Mark Wanek CHECKED BY DLM

DATE 11-13-03

SAMPLER TYPE	FEET DRIVEN / FEET RECOVERED	TIME	SAMPLE DEPTH	BLOWS/FT. SAMPLER	PID SAMPLE	SAMPLE NO.	DEPTH IN FEET	SOIL GRAPH	
					PID malfunction		10	CL	
							11		
								SM	Olive-brown (2.5Y, 4/3) silty, very fine SAND, moist, dense, faint root casts
	4.0 / 2.3	1953					12		
							13		
							14		– Becomes ~~not dense~~, decreased silt, med. dense
		1953	14.0-14.3		"	SSS01969	15		
							16		Becomes Boring completed to ~16' on 11-13-03
							17		
							18		
							19		
							20		