

DEPTH (feet)	Bulk Driven SAMPLES	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED	BORING NO.			
								03/29/06	P1			
GROUND ELEVATION								Not Determined($\pm 200' \pm MSL$)	SHEET	1	OF	1
METHOD OF DRILLING								8" Diameter Hollow-Stem Auger (CME 95)				
DRIVE WEIGHT								140 lbs. (Auto Trip Hammer)	DROP	30"		
SAMPLED BY								PDC	LOGGED BY	PDC	REVIEWED BY	BAB
DESCRIPTION/INTERPRETATION												
0							SC	ASPHALITIC CONCRETE: Approximately 3-4" thick.				
							CL	Brown, moist, very stiff silty CLAY; mottled red and gray.				
5		18			0.0							
10		19			0.0			Medium brown, trace fine sand.				
15		14			0.0			Wet to saturated.				
20								Total Depth = 16.5 feet. Groundwater encountered at approximately 13 feet bgs. Single completion soil gas monitoring well constructed 03/29/06.				

Ninyo & Moore

BORING LOG

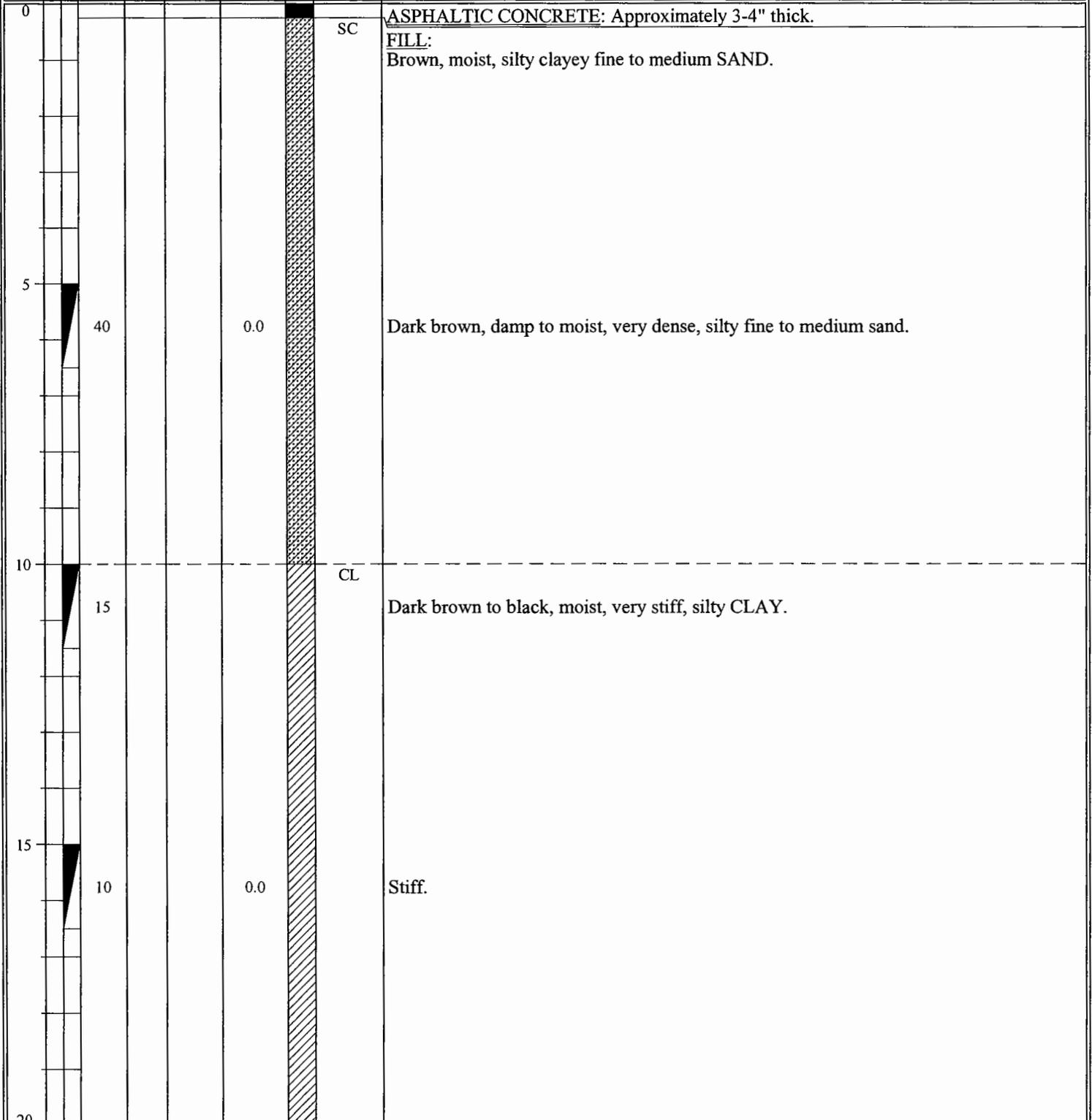
DISPOSAL GARDENS
TORRANCE, CALIFORNIA

PROJECT NO.
104690017

DATE
04/06

FIGURE
A-1

DEPTH (feet)	Bulk	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>03/28/06</u>	BORING NO. <u>P2</u>
	Driven							GROUND ELEVATION <u>Not Determined(±200'±MSL)</u>	SHEET <u>1</u> OF <u>3</u>
								METHOD OF DRILLING <u>8" Diameter Hollow-Stem Auger (CME 95)</u>	
								DRIVE WEIGHT <u>140 lbs. (Auto Trip Hammer)</u>	DROP <u>30"</u>
								SAMPLED BY <u>PDC</u> LOGGED BY <u>PDC</u> REVIEWED BY <u>BAB</u>	
DESCRIPTION/INTERPRETATION									



BORING LOG

DISPOSAL GARDENS
TORRANCE, CALIFORNIA

PROJECT NO.
104690017

DATE
04/06

FIGURE
A-2

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>03/28/06</u> BORING NO. <u>P2</u>		
	Bulk	Driven							GROUND ELEVATION <u>Not Determined(±200'±MSL)</u> SHEET <u>2</u> OF <u>3</u>		
									METHOD OF DRILLING <u>8" Diameter Hollow-Stem Auger (CME 95)</u>		
									DRIVE WEIGHT <u>140 lbs. (Auto Trip Hammer)</u> DROP <u>30"</u>		
									SAMPLED BY <u>PDC</u> LOGGED BY <u>PDC</u> REVIEWED BY <u>BAB</u>		
									DESCRIPTION/INTERPRETATION		
20			14			0.0		CL	<u>FILL: (Continues)</u> Dark brown to black, moist, very dense, stiff silty CLAY.		
25			14		0.0						
30			17		0.0						
35			16		0.0						
40											



BORING LOG

DISPOSAL GARDENS
TORRANCE, CALIFORNIA

PROJECT NO.
104690017

DATE
04/06

FIGURE
A-3

DEPTH (feet)	Bulk Samples Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED	BORING NO.				
								03/28/06	P2				
								GROUND ELEVATION	SHEET	OF			
								Not Determined(± 200 MSL)	3	3			
								METHOD OF DRILLING	8" Diameter Hollow-Stem Auger (CME 95)				
								DRIVE WEIGHT	140 lbs. (Auto Trip Hammer)	DROP	30"		
								SAMPLED BY	PDC	LOGGED BY	PDC	REVIEWED BY	BAB
								DESCRIPTION/INTERPRETATION					
40		20			0.0		CL	<u>FILL:</u> (Continues) Dark brown, moist, very stiff silty CLAY.					
45		18			0.0			Gravel.					
50		14			0.0								
55								Total Depth = 51.5 feet. Groundwater not encountered during drilling. Triple completion soil gas monitoring well constructed 03/28/06.					
60													



BORING LOG

DISPOSAL GARDENS
TORRANCE, CALIFORNIA

PROJECT NO.
104690017

DATE
04/06

FIGURE
A-4

DEPTH (feet)	Bulk Samples Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED	BORING NO.				
								03/29/06	P3				
GROUND ELEVATION								Not Determined($\approx 200' \pm$ MSL)	SHEET	1	OF	1	
METHOD OF DRILLING								8" Diameter Hollow-Stem Auger (CME 95)					
DRIVE WEIGHT								140 lbs. (Auto Trip Hammer)	DROP		30"		
SAMPLED BY								PDC	LOGGED BY		PDC	REVIEWED BY	BAB
								DESCRIPTION/INTERPRETATION					
0							SM	<u>ASPHALTIC CONCRETE</u> : Approximately 3-4" thick.					
								<u>FILL</u> : Light brown, moist, clayey silty fine to medium SAND with gravel.					
5		19			0.0			Brown, medium dense, fine to medium SAND.					
10		79			0.0			<u>FORMATION</u> : San Pedro Formation (?) Light brown, dry to moist, weakly cemented, silty fine to coarse grained SANDSTONE.					
15		78			0.0			White to light brown, fine to medium grained sandstone.					
20								Total Depth = 16.5 feet. Groundwater not encountered during drilling. Single completion soil gas monitoring well constructed on 03/29/06.					



BORING LOG

DISPOSAL GARDENS
TORRANCE, CALIFORNIA

PROJECT NO.
104690017

DATE
04/06

FIGURE
A-5

DEPTH (feet)	Bulk Driven SAMPLES	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED	BORING NO.	
								03/31/06	P4	
								GROUND ELEVATION	SHEET	OF
								≅ 190±MSL	1	1
								METHOD OF DRILLING		
								8" Diameter Hollow-Stem Auger (CME 95)		
								DRIVE WEIGHT	DROP	
								140 lbs. (Auto Trip Hammer)	30"	
								SAMPLED BY	LOGGED BY	REVIEWED BY
								BAB	BAB	BAB
								DESCRIPTION/INTERPRETATION		
0								<u>FILL</u> : Upper 2 feet not logged.		
5		42			0.0			FORMATION : San Pedro Formation (?) Light brownish-orange to light brown, slightly moist, weakly cemented, slightly silty very fine grained SANDSTONE; with layers/zones of grayish brown to gray, fine to medium sand.		
10		65			0.0					
15		63			0.0					
20								Total Depth = 16.5 feet. Groundwater not encountered during drilling. Single completion soil gas monitoring well constructed 03/31/06.		



BORING LOG

DISPOSAL GARDENS
TORRANCE, CALIFORNIA

PROJECT NO.
104690017

DATE
04/06

FIGURE
A-6

DEPTH (feet)	Bulk Samples Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>03/30/06</u> BORING NO. <u>P5</u>		
								GROUND ELEVATION <u>Not Determined(±200'±MSL)</u> SHEET <u>1</u> OF <u>1</u>		
								METHOD OF DRILLING <u>8" Diameter Hollow-Stem Auger (CME 95)</u>		
								DRIVE WEIGHT <u>140 lbs. (Auto Trip Hammer)</u> DROP <u>30"</u>		
								SAMPLED BY <u>BAB</u> LOGGED BY <u>BAB</u> REVIEWED BY <u>BAB</u>		
								DESCRIPTION/INTERPRETATION		
0								(Upper foot not logged)		
5		28			0.0		CL	<u>FILL:</u> Dark brown, moist, silty CLAY. Damp to moist.		
10		13			0.0					
15		14			0.0		SC	Light brown to gray-green, medium dense, very moist, clayey SAND.		
20								Total Depth = 16.5 feet. Groundwater not encountered during drilling. Single completion soil gas monitoring well constructed 03/30/06.		



BORING LOG		
DISPOSAL GARDENS TORRANCE, CALIFORNIA		
PROJECT NO. 104690017	DATE 04/06	FIGURE A-7

DEPTH (feet)	BULK SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>03/29/06</u> BORING NO. <u>P6</u>		
								GROUND ELEVATION <u>Not Determined(±200'±MSL)</u> SHEET <u>1</u> OF <u>1</u>		
METHOD OF DRILLING <u>8" Diameter Hollow-Stem Auger (CME 95)</u>								DRIVE WEIGHT <u>140 lbs. (Auto Trip Hammer)</u> DROP <u>30"</u>		
SAMPLED BY <u>PDC</u> LOGGED BY <u>PDC</u> REVIEWED BY <u>BAB</u>								DESCRIPTION/INTERPRETATION		
0							SC	ASPHALTIC CONCRETE: Approximately 3-4" thick. FILL: Light brown, moist, silty clayey fine SAND.		
5		35			0.0			FORMATION: Monterey Formation (?) Dark brown, wet, silty CLAYSTONE. Moist.		
10		47			0.0					
15		57			0.0					
20								Total Depth = 16.5 feet. Perched groundwater encountered at approximately 3 feet bgs during drilling. Single completion soil gas monitoring well constructed on 03/29/06.		



BORING LOG

DISPOSAL GARDENS
TORRANCE, CALIFORNIA

PROJECT NO.
104690017

DATE
04/06

FIGURE
A-8

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>03/30/06</u> BORING NO. <u>P7</u>	
	Bulk	Driven							GROUND ELEVATION <u>≈210'±MSL</u>	SHEET <u>1</u> OF <u>2</u>
									METHOD OF DRILLING <u>8" Diameter Hollow-Stem Auger (CME 95)</u>	
									DRIVE WEIGHT <u>140 lbs. (Auto Trip Hammer)</u> DROP <u>30"</u>	
									SAMPLED BY <u>BAB</u> LOGGED BY <u>BAB</u> REVIEWED BY <u>BAB</u>	
									DESCRIPTION/INTERPRETATION	
0									(Upper 3 feet not logged)	
								CL	<u>FILL:</u> Dark brown, moist to very moist, silty CLAY.	
								SM	Light brown, damp, silty fine SAND; with some gravel 1/2-3/4" in size.	
5			24			0.0		CL	Light brown, damp to moist, hard silty CLAY.	
10			48						No sample recovery, gravel in sampler shoe.	
			31			0.0		SM	Brown-orange, wet to saturated, dense, silty fine SAND.	
15			35			0.0		CL	Mottled medium black and brown, gray and gray-green, moist, hard, silty CLAY; with some gravel, petroleum hydrocarbon odor.	
20										



BORING LOG

DISPOSAL GARDENS
TORRANCE, CALIFORNIA

PROJECT NO.
104690017

DATE
04/06

FIGURE
A-9

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>03/30/06</u> BORING NO. <u>P7</u>		
	Bulk	Driven							GROUND ELEVATION <u>≈210'±MSL</u> SHEET <u>2</u> OF <u>2</u>		METHOD OF DRILLING <u>8" Diameter Hollow-Stem Auger (CME 95)</u>
									DRIVE WEIGHT <u>140 lbs. (Auto Trip Hammer)</u> DROP <u>30"</u>		
									SAMPLED BY <u>BAB</u> LOGGED BY <u>BAB</u> REVIEWED BY <u>BAB</u>		
									DESCRIPTION/INTERPRETATION		
20			21			0.0			Less apparent petroleum hydrocarbon odor.		
25			21			0.0		SM	Light brown, moist to very moist, dense, slightly silty, medium to coarse SAND; becomes darker gray-green and slightly clayey near 30'.		
30			18			0.9		CL	Mottled black, gray-gray green, moist to very moist silty CLAY; some occasional gravel; petroleum hydrocarbon odor.		
									Total Depth = 31.5 feet. No groundwater encountered during drilling. Dual completion soil gas monitoring well constructed 03/30/06.		
35											
40											



BORING LOG

DISPOSAL GARDENS
TORRANCE, CALIFORNIA

PROJECT NO.
104690017

DATE
04/06

FIGURE
A-10

DEPTH (feet)	Bulk Samples Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>03/30/06</u> BORING NO. <u>P8</u>		
								GROUND ELEVATION <u>≅180'±MSL</u> SHEET <u>1</u> OF <u>2</u>		
								METHOD OF DRILLING <u>8" Diameter Hollow-Stem Auger (CME 95)</u>		
								DRIVE WEIGHT <u>140 lbs. (Auto Trip Hammer)</u> DROP <u>30"</u>		
								SAMPLED BY <u>BAB</u> LOGGED BY <u>BAB</u> REVIEWED BY <u>BAB</u>		
								DESCRIPTION/INTERPRETATION		
0							SM	<p>FILL: Brown and light brown, very moist, silty fine SAND.</p> <p>Saturated, water seep at 2-3', some occasional gravel to 3/4" size.</p> <p>No sample recovery, gravel in sampler shoe.</p>		
10		25					CL	Highly mottled, black, brown, and gray-green, saturated, hard, silty CLAY; with gravel 1/2-2" in size; petroleum hydrocarbon odor.		
13		23			0.0		SM	Brown to light brown, saturated, dense, silty SAND; with gravel 1/2-1" in size.		
15		29			0.0		CL	Highly mottled, black, brown, and gray-green, saturated, hard, silty CLAY; with gravel up to 2" in size; petroleum hydrocarbon odor.		
20		23			0.0			Mottled brown, gray brown, and gray-green, slightly sandy, silty to very silty.		



BORING LOG

DISPOSAL GARDENS
TORRANCE, CALIFORNIA

PROJECT NO.
104690017

DATE
04/06

FIGURE
A-11

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED	BORING NO.		
	Bulk	Driven							03/30/06	P8		
									GROUND ELEVATION	SHEET	OF	
									$\approx 180 \pm$ MSL	2	2	
									METHOD OF DRILLING	8" Diameter Hollow-Stem Auger (CME 95)		
									DRIVE WEIGHT	140 lbs. (Auto Trip Hammer)	DROP	30"
									SAMPLED BY	BAB	LOGGED BY	BAB
											REVIEWED BY	BAB
									DESCRIPTION/INTERPRETATION			
20									Total Depth = 20.5 feet. Perched groundwater encountered at approximately 2-3' during drilling. Single completion soil gas monitoring well constructed 03/30/06.			
25												
30												
35												
40												



BORING LOG

DISPOSAL GARDENS
TORRANCE, CALIFORNIA

PROJECT NO.
104690017

DATE
04/06

FIGURE
A-12

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>03/30/06</u> BORING NO. <u>P9</u>		
	Bulk	Driven							GROUND ELEVATION <u>≈190±MSL</u> SHEET <u>1</u> OF <u>1</u>		
									METHOD OF DRILLING <u>8" Diameter Hollow-Stem Auger (CME 95)</u>		
									DRIVE WEIGHT <u>140 lbs. (Auto Trip Hammer)</u> DROP <u>30"</u>		
									SAMPLED BY <u>BAB</u> LOGGED BY <u>BAB</u> REVIEWED BY <u>BAB</u>		
									DESCRIPTION/INTERPRETATION		
0									(Upper 5 feet not logged)		
5			33			0.0		CL/ML	<u>FILL:</u> Highly mottled light brown to green brown, damp, very silty CLAY/ very clayey SILT; with sandstone fragments.		
10			22			0.0		CL	Brown and light brown, damp, very stiff, silty CLAY with very fine SAND; with gravel and cobbles.		
15			110						No sample recovery due to gravel.		
			45						No sample recovery due to gravel.		
			50						No sample recovery.		
20									Total Depth = 18.5 feet. Groundwater not encountered during drilling. Single completion soil gas monitoring well constructed 03/30/06.		



BORING LOG

DISPOSAL GARDENS
TORRANCE, CALIFORNIA

PROJECT NO.
104690017

DATE
04/06

FIGURE
A-12

DEPTH (feet)	BULK SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED	BORING NO.	
								03/27/06	P10	
								GROUND ELEVATION	SHEET	OF
								$\approx 200' \pm$ MSL	1	3
								METHOD OF DRILLING 8" Diameter Hollow-Stem Auger (CME 95)		
								DRIVE WEIGHT	DROP	
								140 lbs. (Auto Trip Hammer)	30"	
								SAMPLED BY	LOGGED BY	REVIEWED BY
								BAB/PDC	BAB/PDC	BAB
								DESCRIPTION/INTERPRETATION		
0							SM	ASPHALTIC CONCRETE: Approximately 2-3" thick.		
							SM	FILL: Brown, moist, silty fine to medium SAND. Gray, silty fine sand.		
							SC	Gray, moist, silty clayey fine SAND.		
5		18			0.0		SM	Brown, moist, medium dense, silty fine SAND.		
							CL	Mottled light brown, gray to black, moist, hard, silty CLAY; with gravel and cobbles.		
10		28			0.0		CL	Black, moist, hard, silty CLAY; with gravel.		
15		20			0.0		CL			
20										

Ninyo & Moore

BORING LOG

DISPOSAL GARDENS
TORRANCE, CALIFORNIA

PROJECT NO.
104690017

DATE
04/06

FIGURE
A-13

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>03/27/06</u> BORING NO. <u>P10</u>		
	Bulk	Driven							GROUND ELEVATION <u>≈200'±MSL</u> SHEET <u>2</u> OF <u>3</u>		
									METHOD OF DRILLING <u>8" Diameter Hollow-Stem Auger (CME 95)</u>		
									DRIVE WEIGHT <u>140 lbs. (Auto Trip Hammer)</u> DROP <u>30"</u>		
									SAMPLED BY <u>BAB/PDC</u> LOGGED BY <u>BAB/PDC</u> REVIEWED BY <u>BAB</u>		
									DESCRIPTION/INTERPRETATION		
20			18			0.0		CL	<u>FILL: (Continues)</u> Black, moist, very stiff, silty CLAY.		
25			19			0.0			Dark brown to black.		
30			17			0.0			Mottled black to cream, very stiff.		
35			27						Wet		
									<2" of recovered sample, gravel in sampler shoe.		
40			20			0.0			Dark brown to black, saturated.		

Ninyo & Moore

BORING LOG

DISPOSAL GARDENS
TORRANCE, CALIFORNIA

PROJECT NO.
104690017

DATE
04/06

FIGURE
A-14

DEPTH (feet)	BULK SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>03/27/06</u> BORING NO. <u>P10</u>	
								GROUND ELEVATION <u>≈200'±MSL</u> SHEET <u>3</u> OF <u>3</u>	
METHOD OF DRILLING <u>8" Diameter Hollow-Stem Auger (CME 95)</u>								DRIVE WEIGHT <u>140 lbs. (Auto Trip Hammer)</u> DROP <u>30"</u>	
SAMPLED BY <u>BAB/PDC</u> LOGGED BY <u>BAB/PDC</u> REVIEWED BY <u>BAB</u>								DESCRIPTION/INTERPRETATION	
40		24					CL	<u>FILL: (Continues)</u> Dark brown to black, saturated, very stiff, silty CLAY; No sample recovery.	
		26		0.0			Hard, with gravel.		
45		41					No sample recovery.		
		50		0.0				Fine, sandy.	
		63						Total Depth = 51.5 feet. Groundwater encountered at approximately 34 feet bgs during drilling. Dual completion soil gas monitoring well constructed 03/27/06.	
55									
60									



BORING LOG

DISPOSAL GARDENS
TORRANCE, CALIFORNIA

PROJECT NO.
104690017

DATE
04/06

FIGURE
A-15

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>03/28/06</u> BORING NO. <u>P11</u>	
	Bulk	Driven							GROUND ELEVATION <u>≈205±MSL</u>	SHEET <u>1</u> OF <u>3</u>
									METHOD OF DRILLING <u>8" Diameter Hollow-Stem Auger (CME 95)</u>	
									DRIVE WEIGHT <u>140 lbs. (Auto Trip Hammer)</u> DROP <u>30"</u>	
									SAMPLED BY <u>PDC</u> LOGGED BY <u>PDC</u> REVIEWED BY <u>BAB</u>	
									DESCRIPTION/INTERPRETATION	
0								SC	ASPHALTIC CONCRETE: Approximately 3-4" thick.	
									FILL: Light brown, moist, silty fine SAND.	
5			38			0.0		SM	Brown, moist, very dense, silty fine SAND; with gravel and cobbles.	
10			72			0.0		SC	Brown, moist, very dense, silty clayey fine SAND.	
15			28			0.0			Dense.	
20										



BORING LOG		
DISPOSAL GARDENS TORRANCE, CALIFORNIA		
PROJECT NO. 104690017	DATE 04/06	FIGURE A-16

DEPTH (feet)	SAMPLES	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED	BORING NO.	
								03/28/06	P11	
								GROUND ELEVATION	SHEET	OF
								$\approx 205' \pm \text{MSL}$	2	3
								METHOD OF DRILLING 8" Diameter Hollow-Stem Auger (CME 95)		
								DRIVE WEIGHT	DROP	
								140 lbs. (Auto Trip Hammer)	30"	
								SAMPLED BY	LOGGED BY	REVIEWED BY
								PDC	PDC	BAB
								DESCRIPTION/INTERPRETATION		
20		25					SC	<u>FILL:</u> (Continues) Brown, moist, dense, silty clayey fine SAND; No sample recovery; gravel in sampler shoe.		
28					0.0		CL	Dark brown to black, moist, hard, silty CLAY; with gravel to approximately 25'.		
25		21			0.0			Dark brown, without gravel.		
30		9			0.0			Dark brown to black, damp to moist, stiff.		
35		36			0.0			Dark brown, gravel.		
40										



BORING LOG

DISPOSAL GARDENS
TORRANCE, CALIFORNIA

PROJECT NO.
104690017

DATE
04/06

FIGURE
A-17

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED	BORING NO.	
	Bulk	Driven							03/28/06	P11	
									GROUND ELEVATION	SHEET	OF
									$\approx 205' \pm \text{MSL}$	3	3
									METHOD OF DRILLING 8" Diameter Hollow-Stem Auger (CME 95)		
									DRIVE WEIGHT	DROP	
									140 lbs. (Auto Trip Hammer)	30"	
									SAMPLED BY	LOGGED BY	REVIEWED BY
									PDC	PDC	BAB
									DESCRIPTION/INTERPRETATION		
40			32			0.0		SM	<u>FILL:</u> Light brown, moist, dense, silty fine to medium SAND.		
									<u>FORMATION:</u> San Pedro Formation (?) Light brown, moist, weakly cemented, silty fine to medium grained SANDSTONE.		
45			81			0.0			Brown, very dense.		
50			96			0.0			Damp to moist.		
									Total Depth = 51.5 feet. Groundwater not encountered during drilling. Triple completion soil gas monitoring well constructed 03/28/06.		
55											
60											



BORING LOG

DISPOSAL GARDENS
TORRANCE, CALIFORNIA

PROJECT NO.
104690017

DATE
04/06

FIGURE
A-18

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
	Bulk	Driven							
0									DATE DRILLED <u>03/30/06</u> BORING NO. <u>P12</u> GROUND ELEVATION <u>≈220'±MSL</u> SHEET <u>1</u> OF <u>2</u> METHOD OF DRILLING <u>8" Diameter Hollow-Stem Auger (CME 95)</u> DRIVE WEIGHT <u>140 lbs. (Auto Trip Hammer)</u> DROP <u>30"</u> SAMPLED BY <u>BAB</u> LOGGED BY <u>BAB</u> REVIEWED BY <u>BAB</u>
0 - 5									(Upper 5 feet not logged)
5			19			0.0	ML	<u>FILL:</u> Light brownish orange, moist, very stiff, slightly sandy clayey SILT; some gravel 1/2-1" in size, some clayier zones.	
10			14			0.0			
15			24			0.0	CL	Brown, moist, hard, sandy CLAY.	
							SM	Gray to gray-brown, moist, dense, clayey silty SAND.	
							SC	Gray to dark gray, very moist, clayey, poorly sorted, fine to very coarse clayey SAND; with gravel.	
20									



BORING LOG

DISPOSAL GARDENS
TORRANCE, CALIFORNIA

PROJECT NO.
104690017

DATE
04/06

FIGURE
A-19

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>03/30/06</u> BORING NO. <u>P12</u>		
	Bulk	Driven							GROUND ELEVATION <u>≈220±MSL</u> SHEET <u>2</u> OF <u>2</u>		METHOD OF DRILLING <u>8" Diameter Hollow-Stem Auger (CME 95)</u>
									DRIVE WEIGHT <u>140 lbs. (Auto Trip Hammer)</u> DROP <u>30"</u>		
									SAMPLED BY <u>BAB</u> LOGGED BY <u>BAB</u> REVIEWED BY <u>BAB</u>		
									DESCRIPTION/INTERPRETATION		
20			37			0.0		SM	<p><u>FILL: (Continues)</u> Light brown, moist, slightly clayey, silty fine SAND.</p>		
25			85			0.0			<p><u>FORMATION: San Pedro Formation (?)</u> Light brown to gray-brown, moist, weakly cemented, silty, very clayey SANDSTONE; and some lesser sandy CLAYSTONE. Approximately 3" of sample collected in sampler shoe.</p> <p>No sample recovery.</p>		
			78						<p>No sample recovery.</p>		
			27						<p>With some gravel. No sample recovery.</p>		
			22						<p>No sample recovery.</p>		
35									<p>Total Depth = 33 feet. Groundwater not encountered during drilling. Dual completion soil gas monitoring well constructed 03/30/06.</p>		
40											



BORING LOG

DISPOSAL GARDENS
 TORRANCE, CALIFORNIA

PROJECT NO.
 104690017

DATE
 04/06

FIGURE
 A-20

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED	BORING NO.	
	Bulk	Driven							03/29/06	P13	
									GROUND ELEVATION	SHEET	OF
									$\cong 180' \pm \text{MSL}$	1	1
									METHOD OF DRILLING 8" Diameter Hollow-Stem Auger (CME 95)		
									DRIVE WEIGHT	DROP	
									140 lbs. (Auto Trip Hammer)	30"	
									SAMPLED BY	LOGGED BY	REVIEWED BY
									PDC	PDC	BAB
									DESCRIPTION/INTERPRETATION		
0								CL	ASPHALTIC CONCRETE: Approximately 3-4" thick.		
									<u>FILL:</u> Gray to black, moist, silty fine sandy CLAY.		
5			10			0.0			Gray to brown, stiff.		
10			8			0.0			Brown.		
15			11			0.0			Dark brown, very stiff.		
20									Total Depth = 16.5 feet. Groundwater not encountered during drilling. Single completion soil gas monitoring well constructed 03/29/06.		



BORING LOG

DISPOSAL GARDENS
TORRANCE, CALIFORNIA

PROJECT NO.
104690017

DATE
04/06

FIGURE
A-21

KEY TO SYMBOLS

Symbol Description

Strata symbols

	asphalt/concrete
	clayey sand (Qal)
	Low plasticity clay
	Silty sand (Qaf, Qal)
	Sandstone
	Uncertain - poorly graded sand with silt
	Description not given for: "OH"
	Silty low plasticity clay
	Silt
	Silty sandy clay

Misc. Symbols

	Static water level measured on indicated date.
	Groundwater seepage.

Soil Samplers

	Standard Penetration Test (SPT)
	SPT-no recovery with a standard penetration test