



Subsurface Consultants, Inc.

FAX TRANSMITTAL

Date:	October 17, 2001
Number of pages (including cover sheet):	16

To:	Jay Clare - URS
Phone:	
Fax:	874.3268
cc:	Odili Ojukwu 238.7286

From:	Glenn Young
Sent From:	Oakland
SCI Job #:	272.077
Re:	City Parcel T-5/6

REMARKS: Urgent For your review Reply ASAP Please comment
 For your use Original in mail As requested

Jay / Odili - Please find attached the draft bore logs as requested. Please call if you have any questions.

Project Name & Location: T-5 and T-6 City Center Oakland, California		Ground Surface Elevation:	
Drilling Coordinates:		Elevation Datum:	
Drilling Company & Driller: Gregg Drilling, Rich/Jose		Start: Date 10/8/01	Time 13:40
Rig Type & Drilling Method: Marl M5-T / Hollow Stem Auger		Finish: Date 10/8/01	Time 16:00
Sampler A) SPT (2" O.D., 1.4" I.D.) Type(s):		Drilling Fluid: None	Hole Diameter: 5.5"
Sampling Method(s):		Logged By: ES	<input type="checkbox"/> GWL during drilling <input type="checkbox"/> GWL after completion
		Backfill Method: Grout	Date: 10/8/01

Depth (feet)	Sampler Type	Blows/6 inches or Pressure	Blows/12 inches	OVM (ppm)	Sample Interval	Graphic Log	SOIL DESCRIPTIONS
							GROUP NAME (GROUP SYMBOL) color, consistency/density, moisture condition, other descriptions (Local Name or Material Type)
0							SILTY SAND (SP) Brown-orange, loose, wet
5	A			0			
10	A			0			
15	A			.3			Same
20	A			.3			Color change to greenish brown (no hydrocarbon discoloration)
25	A			0			Very wet
30							Continued

DRAFT

LOG OF BORING DL-418.GPJ GEO-ENV.GDT 10/16/01

SCI Subsurface Consultants, Inc.
Geotechnical & Environmental Engineers

T-5 and T-6 City Center Oakland, California	
JOB NUMBER 01.418	DATE 10/01

BORING
B-10

Project Name & Location: T-5 and T-6 City Center Oakland, California	Start Date: 10/8/01 Logged By: ES
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Depth (feet)	Sampler Type	Blows/6 inches or Pressure	Blows/12 inches	OVM (ppm)	Sample Interval	Graphic Log	SOIL DESCRIPTIONS
30	A			0	0	[Symbol]	GROUP NAME (GROUP SYMBOL) color, consistency/density, moisture condition, other descriptions (Local Name or Material Type) SILTY SAND (SP) Brown-orange, loose, wet
35	A			0	0	[Symbol]	CLAYEY SAND (SC) Gray, stiff, wet, hydrocarbon odor, soil discoloration
40	A			0	0	[Symbol]	Strong odor, soil discoloration
Bottom of boring at 40.5 feet below ground surface. Notes Groundwater sample taken							
45							
50							
55							
60							
65							

DRAFT

LOG OF BORING 01-418.GPJ GEO-ENV.GDT 10/8/01

	Subsurface Consultants, Inc. Geotechnical & Environmental Engineers	T-5 and T-6 City Center Oakland, California	BORING B-10
	JOB NUMBER: 01.418		DATE: 10/01

Project Name & Location: T-5 and T-6 City Center Oakland, California		Ground Surface Elevation:	
Drilling Coordinates:		Elevation Datum:	
Drilling Company & Driller: Gregg Drilling, Rich/Jose		Start: Date 10/9/01	Time 11:04
Rig Type & Drilling Method: Marl M5-T / Hollow Stem Auger		Finish: Date 10/9/01	Time 12:30
Sampler A) SPT (2" O.D., 1.4" I.D.) Type(s):		Drilling Fluid: None	Hole Diameter: 5.5"
Sampling Method(s):		Logged By: ES	<input type="checkbox"/> GWL during drilling <input checked="" type="checkbox"/> GWL after completion
		Backfill Method: Grout	Date: 10/9/01

Depth (feet)	Sampler Type	Blows/6 inches or Pressure	Blows/12 inches	OVM (ppm)	Sample Interval	Graphic Log	SOIL DESCRIPTIONS
0							GROUP NAME (GROUP SYMBOL) color, consistency/density, moisture condition, other descriptions (Local Name or Material Type)
							SILTY SAND (SP) Orange-brown, loose, moist
5	A			0			
10	A			0			Same
15	A			0			Becomes softer
20	A			0			Same, becomes more brown, very moist
25	A			0			Very loose
30							Continued

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LOG OF BORING D1-418.GPJ GEO-ENV.GDT 10/16/01

Subsurface Consultants, Inc. Geotechnical & Environmental Engineers	T-5 and T-6 City Center Oakland, California		BORING
	JOB NUMBER 01.418	DATE 10/01	B-11

Project Name & Location: T-5 and T-6 City Center
Oakland, California

Start Date: 10/9/01

Logged By: ES

Depth (feet)	Sampler Type	Blows/6 inches or Pressure	Blows/12 inches	OVM (ppm)	Sample Interval	Graphic Log	SOIL DESCRIPTIONS
							GROUP NAME (GROUP SYMBOL) color, consistency/density, moisture condition, other descriptions (Local Name or Material Type)
30	A			0			SANDY CLAY (CL) Brown, very stiff, moist
35	A			0			
40	A			0			Decreasing sand

Bottom of boring at 41.5 feet below ground surface.
Notes
Groundwater sample taken

45
50
55
60
65

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LOG OF BORING 01-418.GPJ GEO-ENV.GDT 10/16/01



Subsurface Consultants, Inc.
Geotechnical & Environmental Engineers

T-5 and T-6 City Center
Oakland, California

JOB NUMBER
01.418

DATE
10/01


BORING
B-11

Project Name & Location: T-5 and T-6 City Center Oakland, California		Ground Surface Elevation:	
Drilling Coordinates:		Elevation Datum:	
Drilling Company & Driller: Gregg Drilling, Rich/Jose		Start: Date 10/9/01	Time 08:30
Rig Type & Drilling Method: Marl M5-T / Hollow Stem Auger		Finish: Date 10/9/01	Time 09:19
Sampler A) SPT (2" O.D., 1.4" I.D.) Type(s):		Drilling Fluid: None	Hole Diameter: 5.5"
Sampling Method(s):		Logged By: ES	<input type="checkbox"/> GWL during drilling <input type="checkbox"/> GWL after completion
		Backfill Method: Grout	Date: 10/9/01

Depth (feet)	Sampler Type	Blows/6 inches or Pressure	Blows/12 inches	OVM (ppm)	Sample Interval	Graphic Log	SOIL DESCRIPTIONS
							GROUP NAME (GROUP SYMBOL) color, consistency/density, moisture condition, other descriptions (Local Name or Material Type)
0							SILTY SAND (SP) Dark brown, loose, moist, rootlets
5	A			0			Same
10	A			0			Less silt, becomes medium dense
15	A			0			Color becomes more gray
20	A			0			Becomes stiffer
25	A			0			
30							Continued

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LOG OF BORING 01-418.GPJ GEO-ENV.GDT 10/16/01

 Subsurface Consultants, Inc. Geotechnical & Environmental Engineers	T-5 and T-6 City Center Oakland, California		BORING
	JOB NUMBER 01.418	DATE 10/01	B-12

Project Name & Location: T-5 and T-6 City Center Oakland, California					Start Date: 10/9/01		
					Logged By: ES		
Depth (feet)	Sampler Type	Blows/6 inches or Pressure	Blows/12 inches	OVM (ppm)	Sample Interval	Graphic Log	SOIL DESCRIPTIONS
							GROUP NAME (GROUP SYMBOL) color, consistency/density, moisture condition, other descriptions (Local Name or Material Type)
30	A			3	3		SILTY SAND (SP) Dark brown, loose, moist, rootlets
35	A			3	3		Increasing clay LEAN CLAY WITH SAND (CL) Dark gray, medium stiff, moist
40	A			3	3		Soil discolored green, moderate hydrocarbon odor, increasing clay
Bottom of boring at 41.5 feet below ground surface. Notes Hand augered first 5'. Groundwater sample taken							
45							
50							
55							
60							
65							

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LOG OF BORING D1-418.GPJ GEO-ENVY.GDT 10/16/01

SCI
Subsurface Consultants, Inc.
 Geotechnical & Environmental Engineers

T-5 and T-6 City Center Oakland, California	
JOB NUMBER 01.418	DATE 10/01


BORING
B-12

Project Name & Location: T-5 and T-6 City Center Oakland, California		Ground Surface Elevation:	
Drilling Coordinates:		Elevation Datum:	
Drilling Company & Driller: Gregg Drilling, Rich/Josc		Start: Date	Time
Rig Type & Drilling Method: Marl M5-T / Hollow Stem Auger		Finish: Date	Time
Sampler: A) SPT (2" O.D., 1.4" I.D.) Type(s):		Drilling Fluid:	Hole Diameter:
Sampling Method(s):		Logged By:	W
		Backfill Method:	Date:
		Grout	10/9/01

Depth (feet)	Sampler Type	Blows/6 inches or Pressure	Blows/12 inches	OVM (ppm)	Sample Interval	Graphic Log	SOIL DESCRIPTIONS
							GROUP NAME (GROUP SYMBOL) color, consistency/density, moisture condition, other descriptions (Local Name or Material Type)
0							SILTY SAND (SP) Orange-brown, moist, (fill)
5	A			3			Brick fragments, roots
10	A			0			Large pieces of brick, no soil
15	A			3			Same, dense, small pieces of brick
20	A			0			SILTY SAND (SP) Orange-brown, dense, moist (native)
25	A			4.3			Very moist
30							Continued

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LOG OF BORING D1-418.GPJ GEO-ENV.GDT 10/16/01

 Subsurface Consultants, Inc. Geotechnical & Environmental Engineers	T-5 and T-6 City Center Oakland, California		BORING
	JOB NUMBER 01.418	DATE 10/01	B-13

Project Name & Location: T-5 and T-6 City Center Oakland, California					Start Date: 10/9/01	
					Logged By: ES	
SOIL DESCRIPTIONS						
Depth (feet)	Sampler Type	Blows/6 inches or Pressure	Blows/12 inches	OVM (ppm)	Sample Interval	Graphic Log
30	A			3.9	[Symbol]	<p>GROUP NAME (GROUP SYMBOL) color, consistency/density, moisture condition, other descriptions (Local Name or Material Type)</p> <p>SILTY SAND (SP) Orange-brown, dense, moist (native) Becomes stiffer</p>
35	A			11.6	[Symbol]	
40	A			4.7	[Symbol]	<p>SANDY CLAY (CL) Gray, very stiff, moist, no odor</p>
<p>Bottom of boring at 41.5 feet below ground surface.</p> <p><u>Notes</u> Groundwater sample taken no odors or discoloration</p>						
45						
50						
55						
60						
65						

LOG OF BORING 01-418.GPJ GEO-ENV.GDT 10/16/01

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	Subsurface Consultants, Inc. Geotechnical & Environmental Engineers	T-5 and T-6 City Center Oakland, California	BORING
	JOB NUMBER 01.418	DATE 10/01	B-13

Project Name & Location: T-5 and T-6 City Center Oakland, California		Ground Surface Elevation:	
Drilling Coordinates:		Elevation Datum:	
Drilling Company & Driller: Gregg Drilling, Rich/Jose		Start: Date 10/9/01	Time 12:55
Rig Type & Drilling Method: Marl M5-T / Hollow Stem Auger		Finish: Date 10/9/01	Time 13:30
Sampler A) SPT (2" O.D., 1.4" I.D.) Type(s):		Drilling Fluid: None	Hole Diameter: 5.5"
Sampling Method(s):		Logged By: ES	<input type="checkbox"/> GWL during drilling <input type="checkbox"/> GWL after completion
		Backfill Method: Grout	Date: 10/9/01

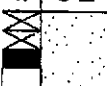
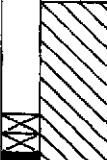
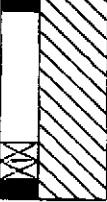
Depth (feet)	Sampler Type	Blows/6 inches or Pressure	Blows/12 inches	OVM (ppm)	Sample Interval	Graphic Log	SOIL DESCRIPTIONS
							GROUP NAME (GROUP SYMBOL) color, consistency/density, moisture condition, other descriptions (Local Name or Material Type)
0							SILTY SAND (SP) Brown, loose, moist
6	A			0			Roots
10	A			0			Color change to orange-brown, becomes stiffer
15	A			0			Becomes more sandy
20	A			0			Hydrocarbon odor, soil discoloration
25	A			0			Same, hydrocarbon odor, soil discoloration
30	A			0			Same, increasing clay
							Continued

LOG OF BORING 01-418.GPJ GEO-ENV.GDT 10/16/01

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Subsurface Consultants, Inc. Geotechnical & Environmental Engineers	T-5 and T-6 City Center Oakland, California		BORING B-14
	JOB NUMBER 01.418	DATE 10/01	

Project Name & Location: T-5 and T-6 City Center Oakland, California	Start Date: 10/9/01 Logged By: ES
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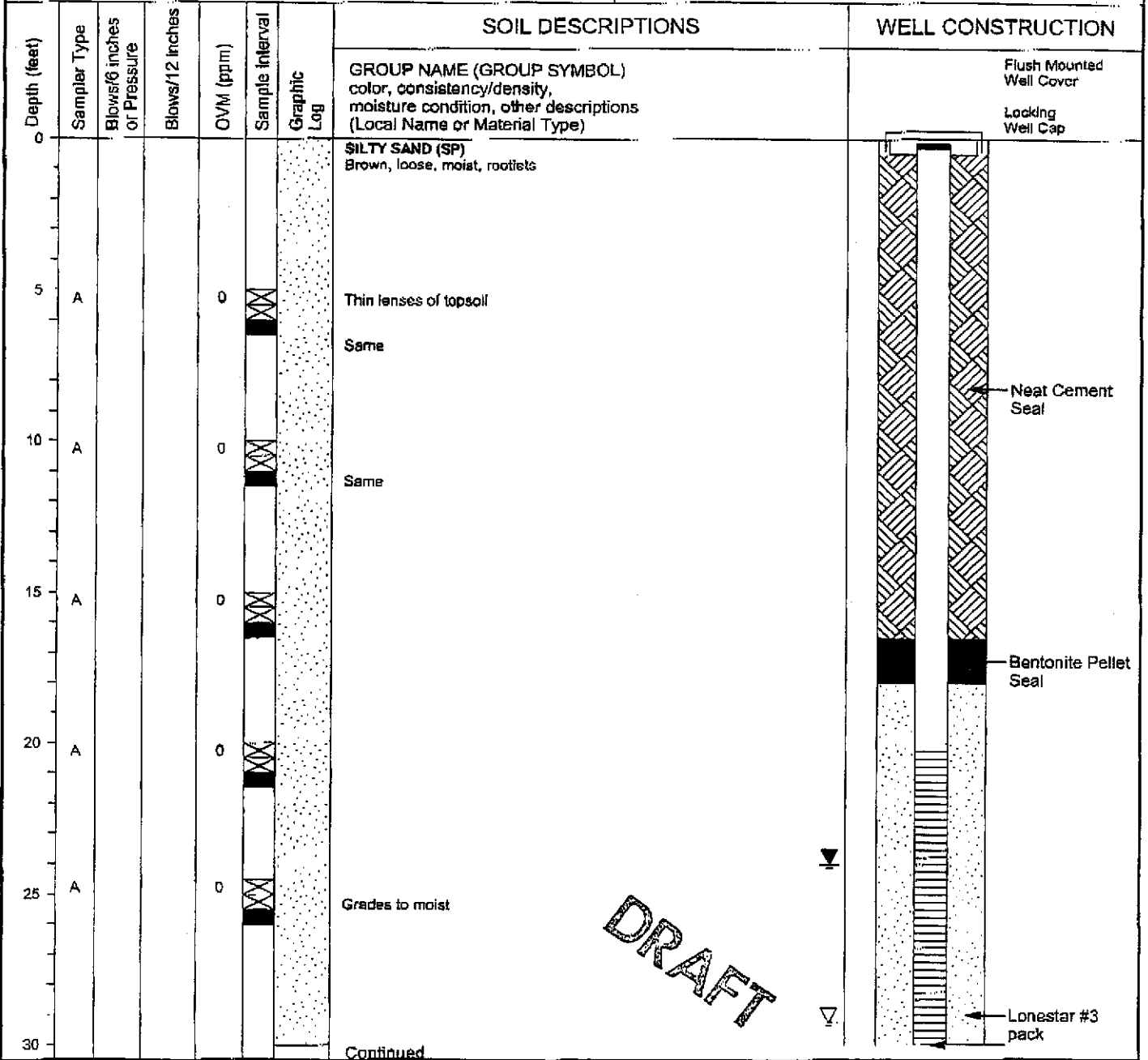
Depth (feet)	Sampler Type	Blows/6 Inches or Pressure	Blows/12 Inches	OVM (ppm)	Sample Interval	Graphic Log	SOIL DESCRIPTIONS
							GROUP NAME (GROUP SYMBOL) color, consistency/density, moisture condition, other descriptions (Local Name or Material Type)
30	A			0			SILTY SAND (SP) Brown, loose, moist Very strong odor
35	A			0			SANDY CLAY (CL) Brown Slight odor, no discoloration
40	A			0			Slight odor, no discoloration, very stiff
Bottom of boring at 41.5 feet below ground surface.							
45							
50							
55							
60							
65							

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LOG OF BORING 01-4-8.GPJ GEO-ENV/GDT 10/16/01


	Subsurface Consultants, Inc. Geotechnical & Environmental Engineers	T-5 and T-6 City Center Oakland, California	BORING B-14
		JOB NUMBER 01.418	DATE 10/01

Project Name & Location: T-5 and T-6 City Center Oakland, California		Ground Surface Elevation:	
		Elevation Datum:	
Drilling Coordinates:	Start: Date	Time	Finish: Date
	10/8/01	10:58	10/8/01
Drilling Company & Driller: Gregg Drilling, Rich/Jose	Drilling Fluid:		Time
Rig Type & Drilling Method: Mari M5-T / Hollow Stem Auger	None		12:30
Sampler: A) SPT (2" O.D., 1.4" I.D.) Type(s):	Hole Diameter:		
	8"		
Sampling Method(s):	Logged By:	Date:	
	ES	10/8/01	
	Backfill Method:	Date:	
	Well	10/8/01	



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LOG OF BORING 01-418.GPJ GEO-ENV.GDT 10/16/01

 Subsurface Consultants, Inc. Geotechnical & Environmental Engineers	T-5 and T-6 City Center Oakland, California		BORING
	JOB NUMBER 01.418	DATE 10/01	W-4

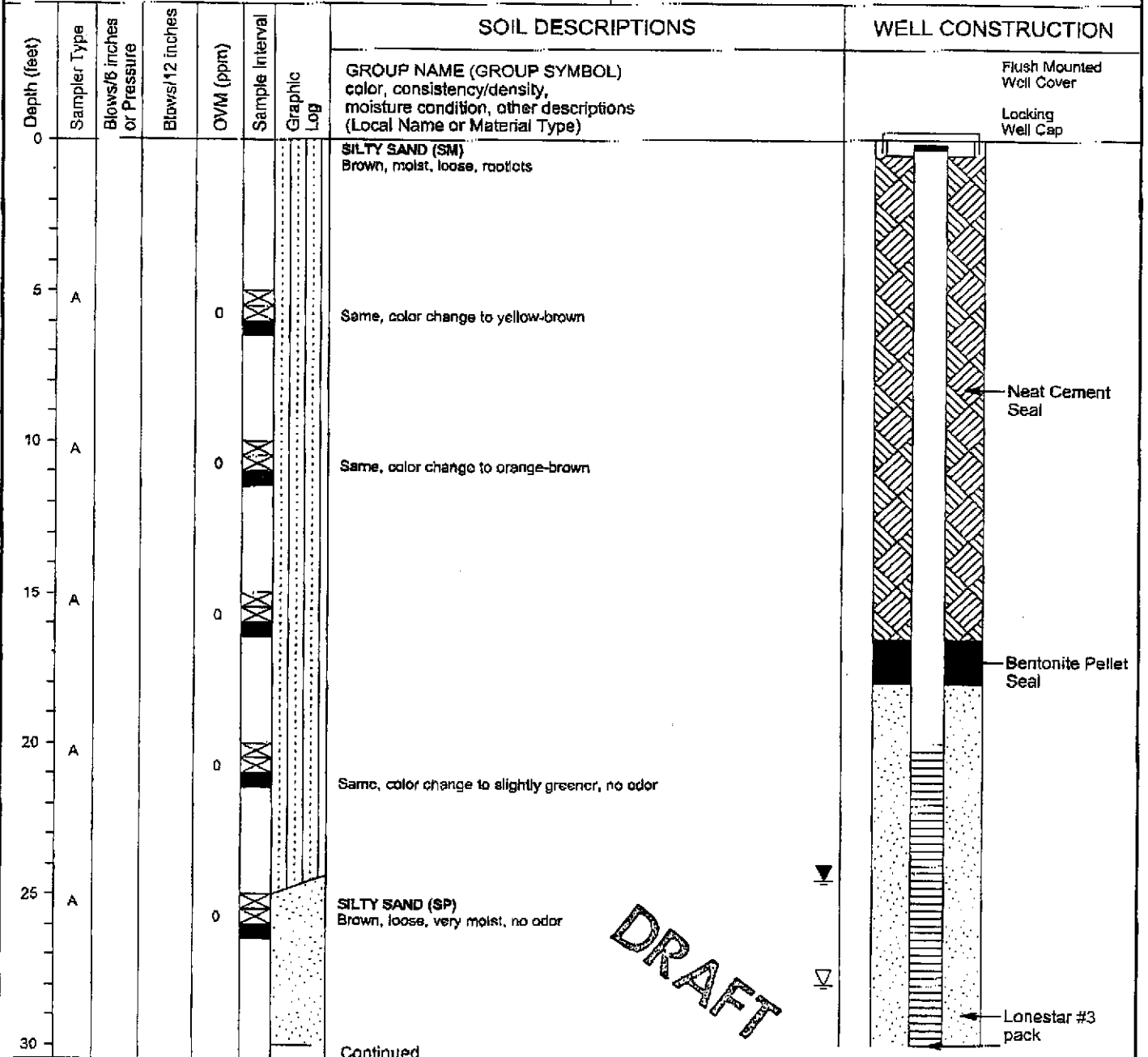
Project Name & Location: T-5 and T-6 City Center Oakland, California					Start Date: 10/8/01			
					Logged By: ES			
Depth (feet)	Sampler Type	Blows/6 inches or Pressure	Blows/12 inches	OVM (ppm)	Sample Interval	Graphic Log	SOIL DESCRIPTIONS	WELL CONSTRUCTION
							GROUP NAME (GROUP SYMBOL) color, consistency/density, moisture condition, other descriptions (Local Name or Material Type)	
30	A			0.3	30.0 - 30.5		SILTY SAND (SP) Brown, loose, moist, rootlets Hydrocarbon odor at 30.5', soil discolored	<p>2-inch x 0.020-inch slotted screen</p> <p>Bottom Cap at 40 feet</p>
35	A			0.7	34.5 - 35.5		SILTY SAND WITH CLAY (SP) Brown, dense, wet, with gravel	
40	A			2.1	39.5 - 40.5			
Bottom of boring at 41.5 feet below ground surface. Notes Hand augered first 5'.								
45								
50								
55								
60								
65								

DRAFT

LOG OF BORING 01-418LPU GFC-ENV.GDT 10/18/01

Subsurface Consultants, Inc. Geotechnical & Environmental Engineers	T-5 and T-6 City Center Oakland, California		BORING W-4
	JOB NUMBER 01.418	DATE 10/01	

Project Name & Location: T-5 and T-6 City Center Oakland, California		Ground Surface Elevation:	
Drilling Coordinates:		Elevation Datum:	
Drilling Company & Driller: Gregg Drilling, Rich/Jose		Start: Date	Time
Rig Type & Drilling Method: Mari M5-T / Hollow Stem Auger		10/8/01	08:30
Sampler Type(s): A) SPT (2" O.D., 1.4" I.D.)		Finish: Date	Time
Sampling Method(s):		10/8/01	10:40
		Drilling Fluid:	Hole Diameter:
		None	8"
		Logged By:	≠ GWL during drilling ≠ GWL 10/10/01
		ES	
		Backfill Method:	Date:
		Well	10/8/01

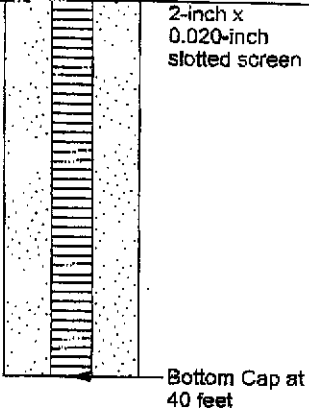


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LOG OF BORING D1-418.GPJ GEO-ENV/GDT 10/16/01


SCI Subsurface Consultants, Inc. Geotechnical & Environmental Engineers	T-5 and T-6 City Center Oakland, California		BORING W-5
	JOB NUMBER 01.418	DATE 10/01	

Project Name & Location: T-5 and T-6 City Center Oakland, California	Start Date: 10/8/01 Logged By: ES
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Depth (feet)	Sampler Type	Blows/6 inches or Pressure	Blows/12 inches	OVM (ppm)	Sample Interval	Graphic Log	SOIL DESCRIPTIONS	WELL CONSTRUCTION
							GROUP NAME (GROUP SYMBOL) color, consistency/density, moisture condition, other descriptions (Local Name or Material Type)	
35	A			0	0	[Symbol]	SILTY SAND (SP) Brown, loose, very moist, no odor Same	 <p>2-inch x 0.020-inch slotted screen</p> <p>Bottom Cap at 40 feet</p>
35	A		0	0	[Symbol]	Same		
40	A			0	0	[Symbol]	CLAYEY SAND (SC) Brown, loose, wet, no odor	
Bottom of boring at 41.5 feet below ground surface. <u>Notes</u> Hand sugered first 5'.								
45								
50								
55								
60								
65								

DRAFT

LOG OF BORING: 01-4-18.GPJ, GEO-ENV.GDT, 10/8/01

	Subsurface Consultants, Inc. Geotechnical & Environmental Engineers	T-5 and T-6 City Center Oakland, California	BORING W-5
	JOB NUMBER: 01.418		DATE: 10/01