34-0168-R1

Caltrans EXPLORATION BORING FIELD LOG

Date 8/18 | Boring No. 1

Location Doyle Dr | Lab No. | EA No. 163701 | Page 1 of 3

Dist. 09 Co. SF Rt. 101 P.M. | Br. No. | Purpose of Work Geotech

Rt. Ft. Lt. Line. Sta. | Northings. | Eastings. | Elev.

Ground Water Data: Date / Time | Water Level | Bot. of Boring

Logged By: | Drill Crew: Bob Jaime Gary

Drill rig: Acker Model MPCA | Hammer Type and Weight: Auto

Drilling Method: Rotary Wash | Casing: —

Hole Completion: Total Depth 120' 74%

Artesian conditions start at approximately 80 ft (Flowing)

Depth	Sample Interval (Ft.)	Blows	RQD	Sample I.D.	% Rec.	Strength	Graphic Log	Description	Remarks
1								Asphalt	Start Drilling 2:25 8/18
2				1	30%			Silty Sand (SM) · Very Soft Reddish	Sample 1
3								brown · moist 30% silt 60%	
4								Coarse sand · 10% coarse	
5								angular Gravel - No cement-	
6		1 2 2		2	100			ation · No Plastic RQD 0.5 - 1.5	~~Sample 1~~ 8/19
7								Brown 1" Clay (CH) Very Soft · Gray	
8					100			Moisture · 100% Clay · High Plasticity	Sample 2
9								No cementation	Corrosion
10							SP	Clayey Sand (SC) very loose Gray moist	
11		Push	3		100		SM	30% silt 60% coarse sand No cement	Sample 3
12			NA					Grade to Sand (SP) · very loose Gray	
13					100			moist 100% coarse sand No cement	
14								Silty Sand Grade to Clayey Sand	Corrosion
								30% silt 20% Sand	
16		5 8 10	4		100			Brown Loose Green Gray	
17			NA					SP. Loose Brown 100% coarse	Sample 4
18					20%			sand no cement med dense	
19								Same Red mottling	
20									
1		8 13 14	5		80%			Same	Sample 5
2			NA					No mottling	
3									
4									Corrosion
25									
6		12 14 22	6					Same Dense Cohesion	Sample 6
7									
8									
9									
30									
1		14 18 24	7		80%			Red mottled	Sample 7
2									
3									
4									
35									
		10 15 27	8						Sample 8
			Noise Noise					Same	Sample 8 at 35.0 to 37.0
									Sample 37.0 to 37.5
40									

34-0162-R1

Caltrans EXPLORATION BORING FIELD LOG

Date 8/19 | Boring No.

Location | Lab No. | EA No. | Page 2 of 2

Dist. | Co. | Rt. | P.M. | Br. No. | Purpose of Work

Ft. | Rt. Lt. | Line. Sta. | Northings. | Eastings. | Elev.

Ground Water Data: Date | Time | Water Level | Bot. of Boring

Logged By: | Drill Crew:

Drill rig: | Hammer Type and Weight:

Drilling Method: | Casing:

Hole Completion:

Depth	Sample Interval	Tool Blows RQD	Sample I.D.	% Rec.	Strength	Graphic Log	Description			Remarks
41	18 30 36		9	100			Same Very Dense Colma			Sample 9
2										
3										
4										
45										
6	22 33 45		10	100			Same Gray/Green No mottling Colma			Sample 10
7										
8										
9										
50										
1	4 9 17		11	100			Sand w/ Trace clay (SP) med grain			Sample 11
2			MA				Sand 5-10% clay med dense			
3										
4										
55										
6	15 30 41		12	100			(SP)			
7							100% med. sand very dense Green			Sample 12
8										
9										
60										
1	12 23 31		13	80			Same · Stratificat of sands between			Sample 13
2							Light & Darker green			
3						SM	Grade to Silty Sand 20% silt 80%			
4							med sand very dense			
65						SP	Sand (SP) med dense Green 100%			
6	Pu Sh 3 26		14	75		CL	med. sand No plasticity no	PI		Sample 14
7							cement			
8							Clay (CL) Stiff green w/ black 1-2 Kp			
9							mottles High Plasticity no cementation			
70							→ Sand as above Green 100%			
1	26 16 15		15	100						Sample 15
2							Clayey Sand (SC) · dense · Green			
3							40% clay 60% med sand Low plasti			
4							Kp · 4.0 No cement			
75							SP as above			
6	8 8 10		16	00			Silty Sand (SM) medium dense · Green			Sample 16 Stop 8/14
7			MA				40% silt 40% fine sand No Plasticity			8/15 Started 8/16
8							Weak cementation		3.0-3.75	Kp · Water Produced (Artesian)
9							Grades to Clayey silt very stiff Green			overnight when hole
80						CL	30% clay 60% silt 10% fine sand Low			left open at 80'

Plasticity No Cement
Clay (CL) wedge Kp 3.5

BH 34-0168-R1

Caltrans EXPLORATION BORING FIELD LOG

Date | Boring No.

Location | Lab No. | EA No. | Page 3 of 3

Dist. | Co. | Rt. | P.M. | Br. No. | Purpose of Work

Rt. Ft.. Lt. | Line. Sta. | Northings. | Eastings. | Elev.

Ground Water Data: Date/Time | Water Level | Bot. of Boring

Logged By : | Drill Crew :

Drill rig : | Hammer Type and Weight :

Drilling Method : | Casing :

Hole Completion :

Depth	Sample Interval Tool	Blows RQD	Sample I.D.	% Rec.	Strength	Graphic Log	Description		Kp	Remarks
81		6	17	100			Clay (CL) Very Stiff Green 10%		3.0	Sample 17 8/20
2						CL	Silt 90% Clay. High Plasticity No	PL		
3							Cementation			
4							at 81.5 very soft			
85							at 83' 2" Layer w/ Sea shells			
6		3 4 5	18	100		SC	Sandy clay (SC) med. stiff Green		1.0	Sample 18
7							25% Fine Sand 75% Clay High Plasticity			
8		Brass	87.	87.5			No Cementation			Sample 87-87.5 Brass UC
9		Brass	89.-89.5				back to clay			Sample 89-89.5 Brass
90							Sandy Clay CL			
1		2 3 4	19	100			Sample (CL)		1.5	Sample 19
2										
3							shells Grades to ↓			
4										
5							Clayey Sand (SC) Green 30% Clay			
6		5 7 8	20	100			70% Med. Sand No Plasticity No			Sample 20
7							Cement. Grades to ↓		3.5	
8							Clay Black mottle		4.0	
9										
100							Clay w/ Sand Green 10% Med. Sand 90% Clay			
1		6 14 20	21				black mottle roots		>4.5	
2							Sand SP			Sample 21
3										
4										
10 5							Sandy clay (SW) 20% clay			
6		8 12 16	22							Sample 22
7							Clay		>4.5	
8							Sandy Clay Green			
9										* Artesian
110										* Drillers remark excess
1		15 34 36	23				Silty Sand - Brown - 30% Silt 70%	Fine Sand		water from mud tub
2							Very dense No Plasticity No			Sample 23
3							Cementation			
4										* Producing H_2O
115							Grades to ↓			
6		19 21 50	24				SP 100% Fine Sand Brown Very dense			Sample 24
7										
8										
9										
120							Same No SPT Sample - H_2O Flowing in could not stop			

@80' if Artesian conditions? Drillers think it is the tide

~~Dave~~ ~~Sid~~