34-015 NB-B2R

EXPLORATION BORING FIELD LOG

Caltrans

Date 3/27/08 | Boring No.

Location: Doyle Drive Replacement | Loc No. | EA No. 163701 | Page 1 of 4

Dist. 04 Co. SF Rt. 101 P.M. | Br. No. | Purpose of Work: Geotechnical Investigation

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

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

Logged By: E. Ortega | Drill Crew: Cory, Logan

Drill rig: CS2000 | Hammer Type and Weight:

Drilling Method: Rotatory Wash | Casing:

Hole Completion:

Depth	Sample Interval	Total Blows	RQD	Sample I.D.	% Rec.	Strength	Graphic Log	Description			Remarks
1								Drilled thru unpaved area			
2											
3											
4											
5		5						Poorly graded sand (SP) med dense, dark brown moist, n.pls, med. sand, weak cementation.			
6		8									
		7									
7											
8											
9											
10								Same			
		6									
11		6									
		5									
12											
13											
14											
15								Same but dense			
		12									
16		20									
		24									
17											
18											
19											
20								Colma Sand, Poorly graded Sand (SP), very dense, dk brown, moist, n.pls med. sand, weak cementation			
		14									
21		21									
		44									
22											
23											
24											
25								Same			
		26									
26		36									
		40									
27											
28											
29											
30											

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Caltrans EXPLORATION BORING FIELD LOG

Date 3/25/08 | Boring No.

Location Doyle Drive Replacement | Log No. | EA No. 163701 | Page 2 of 4

Dist. 04 Co. SF Rt. 101 P.M. | Br. No. | Purpose of Work Geotechnical Investigation

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

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

Logged By: E. Ortega | Drill Crew: Gary Logan

Drill rig: CME 850 | Hammer Type and Weight:

Drilling Method: Rotatory Wash | Casing:

Hole Completion: 3/26/08

Depth	Sample Interval	Tool Blows	RQD	Sample I.D.	% Rec.	Strength	Graphic Log	Description			Remarks
30								Same			
		31									
31		35									
		32									
32											
33											
34											
35								Same			
		25									
36		41									
		50									
37											
38											
39											
40								Same			
		22									
41		31									
		38									
42											
43											
44											
45								Same			
		19									
46		25									
		27									
47											
48											
49											
50								Same but denser and with oxidation spots			
		7									
51		13									
		19									
52											
53											
54											
55								Same			
		11									
56		21									
		26									
57											

34-015 7NB - B2R

34-0157NB-B2R

Caltrans EXPLORATION BORING FIELD LOG

Date 3/25/08 3/26/08 | Boring No.

Location Doyle Drive Replacement | Loc No. | EA No. 163701 | Page 3 of 4

Dist. 04 Co. SF Rt. 101 P.M. | Br. No. | Purpose of Work Geotechnical Investigation

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

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

Logged By: E. Ortega | Drill Crew: Cory, Logan

Drill rig: CS2000 | Hammer Type and Weight:

Drilling Method: Rotatory Wash | Casing:

Hole Completion: 3/26/08

Depth	Sample Type	Blows / Tool	RQD	Sample I.D.	% Rec.	Strength	Graphic Log	Description			Remarks
50											
55								Sedimentary rock (Shale), dark olive to dark brown, decomposed (Sandy fat Clay (CH))			
		26									
		31									
		32									
60	Core							Same			
63											
65	Core							Shale, intensely to v. intensely fractured dark olive, soft, wet healed RQD = 5.5+5+5+5.5/45.12 = 38.8%			
66											
67											
68											
69	Core							Same but int. fractured RQD = 4/60 = 6.6%			
70											
71											
72											
73	Core							Same but decomposed and dark gray RQD = 0			
74											
75	Core							Same but decomposed to v. int fractured RQD = 4/36 = 11.1%			← 3/26/08
76											
77											
78	Core							Same RQD = 0			
79											
80											
81											
82											
83	Core							Same with serpentinized Shale and minerals (calcite) RQD = 0			
84											
85											
86											
87											
88											
89											
90	Core							Sandstone intensely to v. int fractured, dark gray, soft RQD = 4.5+5/48 = 19.8%			
91											
92											
93											

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Caltrans

EXPLORATION BORING FIELD LOG

Date 3/26/08 | Boring No.

Location Doyle Drive Replacement | Lab No. | EA No. 163701 | Page 4 of 4

Dist. 04 Co. SF Rt. 101 P.M. Br. No. | Purpose of Work Geotechnical Investigation

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

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

Logged By: E. Ortega | Drill Crew: Gary, Logan

Drill rig: CS2000 | Hammer Type and Weight:

Drilling Method: Rotatory Wash | Casing:

Hole Completion: 3/26/08

Depth	Sample Interval	Total Blows	RQD	Sample I.D.	% Rec.	Strength	Graphic Log	Description			Remarks
93								Same			
94								RQD = 5+7/3.5x12 = 28.6%			
95											
96											
								Sandstone, moderatly fractured, dark gray, soft			
97											
98								RQD = 12+5.5/2.5x12 = 58.3%			
99											
100								Same but intensely to v. intensely fractured			
101								RQD = 4+4.5+5/4.5x12 = 25%			
102											
103											
								Same but v. int fract			
104								RQD = 4.5/24			
105											
								Same			
106											
107								Same RQD = 4.5+6/24 = 43.75%			
108											
109								Same			
110								RQD = 5+4/60 = 15%			
111											
112											
113											
114											
								Bottom of boring @ 114 ft on 3/26/08			

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