SUMMARY LOG OF BORING B1

Geotechnical and Materials Engineering Division - Los Angeles County Department of Public Works

PROJECT: Edgeridge Dr. MM6 | CLIENT: LACDPW | PAGE 1 OF 2
PROJECT ID: X240000054 | DRILLER: Jeff (RoyBrothers) | LOGGED BY: C. Masters | TOTAL DEPTH: 45'
TYPE/DIAMETER OF BORING: Limited Access Rig auger / 24" | ELEVATION: Grade
DATE(S): 4/4/11-4/5/11 | MONITORING WELL INSTALLED? No | HAMMER WEIGHT (LBS.): N/A | DROP HEIGHT (IN.): 12
LOCATION:

Note: This log contains observations and interpretations that are valid only for the specific date and location of the boring. Subsurface conditions vary between borings and with time. Material descriptions are derived using visual classification methods and may vary from descriptions/classifications based on laboratory testing.

Depth (feet)	Sample No.	Blow Count	Interpretations, Attitudes, Comments, PID - PPM	Lithologic Description
0				@0' Asphalt
0.5				@0.5' Puente Formation: Medium Yellow Brown Pebbly Sandstone, Dry, Hard, Gravel to 3"-4" Diameter, Fine to Medium Grained Sand.
3			@ 3' B: N10W, 25NE	@3' Light Yellow Brown Sandstone layer 4"-6" thick. @3.5' as above @ 0.5'. @4' Sandstone layer.
5	R1-1 B1-1	40	@ 5' B: N10W, 23NE	@5' Coarse Grained Gravelly Sandstone.
6.5			@ 6.5' B: N20W, 12NE	@6.5' Sandstone layer 6" thick. @7' Pebble Conglomerate, Coarser with depth.
10	R1-2 B1-2	32		
11			@ 11' B: N20E, 20SE	@11' Purplish Gray Weathered Tuff, Laminated, Iron Oxide (FeO) staining on some laminations.
14			@ 14' B: N10E, 14SE	@14' Sandstone layer 6" thick.
15	R1-3	50		@15.5' Heavy FeO staining of Pebble Conglomerate.
20	R1-4	16		
22			No Graphic Log below 22.8', not downhole logged	

SUMMARY LOG OF BORING B1

Geotechnical and Materials Engineering Division - Los Angeles County Department of Public Works

PROJECT: Edgeridge Dr. MM6 | CLIENT: LACDPW | PAGE 2 OF 2
PROJECT ID: X240000054 | DRILLER: Jeff (RoyBrothers) | LOGGED BY: C. Masters | TOTAL DEPTH: 45'
TYPE/DIAMETER OF BORING: Limited Access Rig auger / 24" | ELEVATION: Grade
DATE(S): 4/4/11-4/5/11 | MONITORING WELL INSTALLED? No | HAMMER WEIGHT (LBS.): N/A | DROP HEIGHT (IN.): 12
LOCATION:

Depth (feet)	Sample No.	Blow Count	Interpretations, Attitudes, Comments, PID - PPM	Lithologic Description
25	R1-5	40		
30	R1-6	80		
35	R1-7	80		
40	R1-8	100		@40' fewer Cobbles
42				@42' up to 12" Clasts in matrix as above.
45	R1-9	100		TD. 45' Downhole logged to 22' due to H2S and CO No Groundwater.

SUMMARY LOG OF BORING B2

Geotechnical and Materials Engineering Division - Los Angeles County Department of Public Works

PROJECT: Edgeridge Dr. MM6 | CLIENT: LACDPW | PAGE 1 OF 3
PROJECT ID: X240000054 | DRILLER: Jeff (RoyBrothers) | LOGGED BY: C. Masters | TOTAL DEPTH: 58'
TYPE/DIAMETER OF BORING: Tes Car auger / 24" | ELEVATION: Grade
DATE(S): 4/6/11-4/7/11 | MONITORING WELL INSTALLED? No | HAMMER WEIGHT (LBS.): N/A | DROP HEIGHT (IN.): 12
LOCATION:

Depth (feet)	Sample No.	Blow Count	Interpretations, Attitudes, Comments, PID - PPM	Lithologic Description
0				@0' Asphalt
0.5				@0.5' Puente Formation: Yellow-Brown to Orange-Brown, Interbedded siltstone and sandstone, Iron Oxide staining.
3			@ 3' B: N35W, 35SW	@3' Gray-Blue, Clay-rich siltstone bed, 6" thick. @3.5' Gradational Contact with Yellow-Brown Pebbly Conglomerate.
5	R2-1 B2-1	50		
7				@7' As above @ 3.5' Except Clasts to 10" Diameter. @8' As above except coarser with clasts to 14" diameter
8			@ 8' B: N20E, 27SE	
10	R2-2 B2-2	70		@10' Irregular/undulatory contact with Pebbly Sandstone.
12			@ 12' B: N20E, 27SE	@12' 2" thick Bed of Purplish Gray Clay-rich Siltstone/ Possible Weathered Tuff.
13.5			@ 13.5' B: N10W, 30NE	@13.5' Yellow-Brown Sandstone Bed, 2-4" thick, underlain by .5" thick Purplish Gray Clay-rich Bed.
15	R2-3 B2-3	80		
17				@17' Clasts to 18" maximum dimension.
20	R2-4	90		@21' Gray-Brown Sandstone Bed, 6" thick.
21			@21' B:N20W 26NE	

SUMMARY LOG OF BORING B2

Geotechnical and Materials Engineering Division - Los Angeles County Department of Public Works

PROJECT: Edgeridge Dr. MM6 | CLIENT: LACDPW | PAGE 2 OF 3
PROJECT ID: X240000054 | DRILLER: Jeff (RoyBrothers) | LOGGED BY: C. Masters | TOTAL DEPTH: 58'
TYPE/DIAMETER OF BORING: Tes Car auger / 24" | ELEVATION: Grade
DATE(S): 4/6/11-4/7/11 | MONITORING WELL INSTALLED? No | HAMMER WEIGHT (LBS.): N/A | DROP HEIGHT (IN.): 12
LOCATION:

Depth (feet)	Sample No.	Blow Count	Interpretations, Attitudes, Comments, PID - PPM	Lithologic Description
25	R2-5	100		
27.5			@ 27.5' B: NS, 15E	@27.5' Yellow-Brown Sandstone Bed, 6"thick.
30		110	No Recovery	
31			@ 31' GB: NS, 15E	@31' Discontinuous, Gray-Brown Sandstone Bed.
35			No Sample Attempt	
37			@ 37' B: N20W, 26NE	@37' 3" Thick Purplish Gray Clay-Rich Siltstone/Tuff.
39				@39' Brown Sandstone, Fine-grained.
40			No Sample Attempt	@40.5' Pebbly Conglomerate.
44	B2-4			
45	B2-5		@ 45' GB: N30W, 10NE	@45' Blue-Gray to Orange-Brown Sandstone.

SUMMARY LOG OF BORING B2

Geotechnical and Materials Engineering Division - Los Angeles County Department of Public Works

PROJECT: Edgeridge Dr. MM6 | CLIENT: LACDPW | PAGE 3 OF 3
PROJECT ID: X240000054 | DRILLER: Jeff (RoyBrothers) | LOGGED BY: C. Masters | TOTAL DEPTH: 58'
TYPE/DIAMETER OF BORING: Tes Car auger / 24" | ELEVATION: Grade
DATE(S): 4/6/11-4/7/11 | MONITORING WELL INSTALLED? No | HAMMER WEIGHT (LBS.): N/A | DROP HEIGHT (IN.): 12
LOCATION:

Depth (feet)	Sample No.	Blow Count	Interpretations, Attitudes, Comments, PID - PPM	Lithologic Description
50	R2-6	150	@ 50' B: N10W, 27NE	@50' Sharp Contact With Yellowish Sandstone. @51.5' Pebbly Conglomerate.
55	R2-7	160		
58				T.D. 58' Downhole logged to 54', No Groundwater Backfilled with cuttings on 4/7/11

SUMMARY LOG OF BORING B3

Geotechnical and Materials Engineering Division - Los Angeles County Department of Public Works

PROJECT: Edgeridge Dr. MM6 | CLIENT: LACDPW | PAGE 1 OF 2
PROJECT ID: X240000054 | DRILLER: Jeff (RoyBrothers) | LOGGED BY: C. Masters | TOTAL DEPTH: 40'
TYPE/DIAMETER OF BORING: Tes Car auger / 24" | ELEVATION: Grade
DATE(S): 4/6/11-4/7/11 | MONITORING WELL INSTALLED? No | HAMMER WEIGHT (LBS.): N/A | DROP HEIGHT (IN.): 12
LOCATION:

Depth (feet)	Sample No.	Blow Count	Interpretations, Attitudes, Comments, PID - PPM	Lithologic Description
0				@0' Two Layers of asphalt, 4" thick layer over 2" thick layer. @0.5' Artificial Fill: Brown Silty Sand. Varies from 6" thick on inboard to 18" thick on outboard side Puente Formation: Gray-Brown Siltstone below artificial fill.
2			@ 2' f: N32E, 50NW f:N40W, Vertical	
4.5			@ 4.5' B: N20W, 27NE	@4.5' 6" thick Purplish Gray Clay-rich Siltstone/Tuff.
5	R3-1 B3-1	30		@5' Orange-Brown Sandstone, Silty Fine to Coarse Grained Sand, Micaceous . @6' Siltstone, Gray-Brown. @7.5' Orange-Brown Sandstone 3" thick.
7.5			@ 7.5' B: N25W, 20NE	
10	R3-2 B3-2	45		
11			@ 11' B: N5W, 18NE	@11' Brown Siltstone, Highly Fractured, Rootlets and Calcium Carbonate Coating along fractures.
14			@ 14' f: EW, Vertical f:N35W, 60SW @15' B:N30E, 25NW	@14' Purplish Gray Clayey Siltstone, Highly Fractured.
15	R3-3	60		@15' Yellowish Brown Pebbly Sandstone, Coarser with Depth.
21		80	No Recovery	
23.5				@23.5' Minor seep within clay-rich layer in pebbly sandstone.

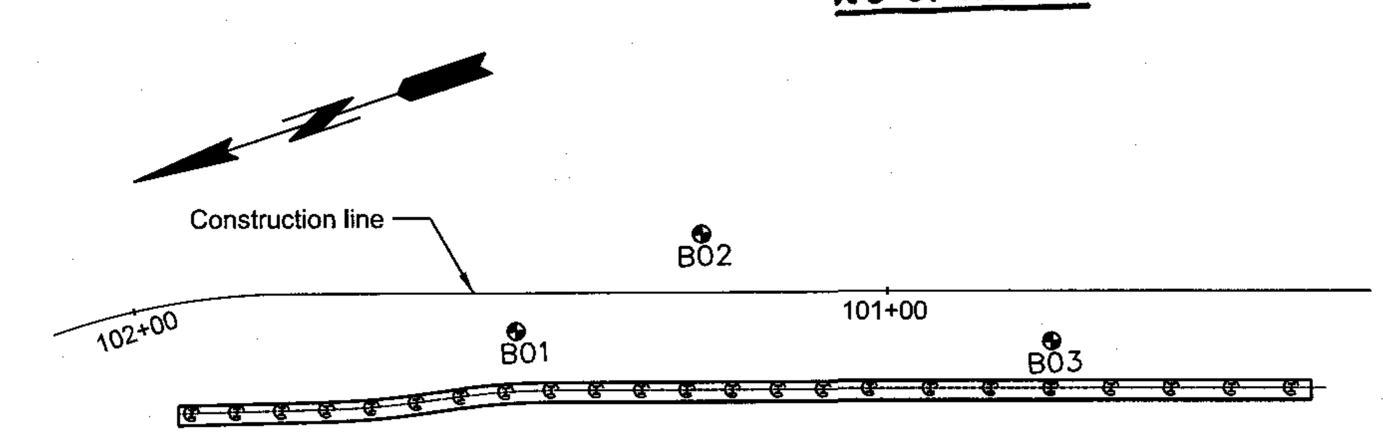
SUMMARY LOG OF BORING B3

Geotechnical and Materials Engineering Division - Los Angeles County Department of Public Works

PROJECT: Edgeridge Dr. MM6 | CLIENT: LACDPW | PAGE 2 OF 2
PROJECT ID: X240000054 | DRILLER: Jeff (RoyBrothers) | LOGGED BY: C. Masters | TOTAL DEPTH: 40'
TYPE/DIAMETER OF BORING: Tes Car auger / 24" | ELEVATION: Grade
DATE(S): 4/8/11 | MONITORING WELL INSTALLED? No | HAMMER WEIGHT (LBS.): N/A | DROP HEIGHT (IN.): 12
LOCATION:

Depth (feet)	Sample No.	Blow Count	Interpretations, Attitudes, Comments, PID - PPM	Lithologic Description
25			No Sample Attempt	@25' Yellowish Brown Pebbly Sandstone, Coarser with Depth.
30		100	No Recovery	
35		120	No Recovery	
40	R3-4	140		Total Depth 40' Seep @ 23.5' Backfilled With Cuttings on 4/8/11

AS BUILT
Date: 5/17/12 Corrections by: T.M.
Resident Engineer:
NO CHANGES



LOCATION OF BORINGS

1" = 20'-0"

PB641957

THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

DATE	MK	DESCRIPTION

REVISIONS

PROFESSIONAL GEOLOGIST — CLAYTON MASTERS No. 1636 CERTIFIED ENGINEERING GEOLOGIST — STATE OF CALIFORNIA
PROJECT ENGINEER — DATE 5/31/11

REGISTERED PROFESSIONAL ENGINEER — JEREMY WAN No. 2849 GEOTECH — STATE OF CALIFORNIA
PROJECT ENGINEER — DATE 5/31/11

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

EDGERIDGE DRIVE

100 FEET SOUTH OF DRAIN NO. 6
PROJECT ID NO. RDC0015634
LOG OF TEST BORINGS

BR. NO. 4090 | PCA X240000054 | DWG PB641957 | SHEET 8 OF 8

TS-DF 5/99

DATE: REVIEWED BY: | CADD PROJECT FILE NAME: RDC0015634-BRD.DGN | CHECKER: J. WAN | DESIGNER: | DRAFTER: T. MOHAMED

DATE. $DATE$ME. FILE. $TIME$ $FILE$