FOR CONTRACT NO.: 12-0L7504

INFORMATION HANDOUT

MATERIALS INFORMATION

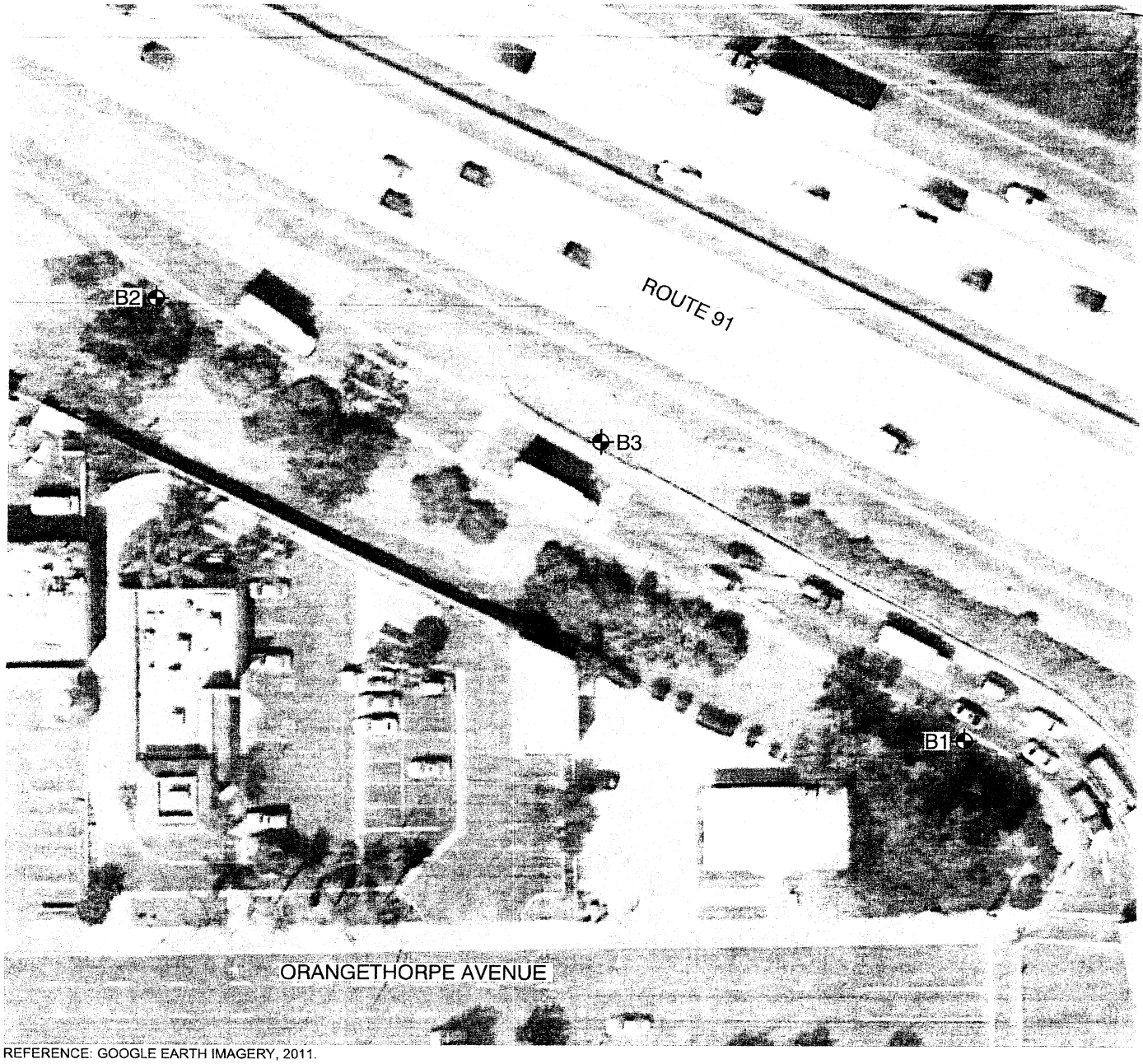
1. Aerially Deposited Lead Site Investigation (Lead Concentration Data and Location Maps)

ROUTE: 12-Ora-91-R0.3

TABLE 1 – SOIL ANALYTICAL RESULTS – AERIALLY DEPOSITED LEAD, pH, AND GPS COORDINATES

Sample	Sample Depth (feet bgs)	Sample Date	TTLC (mg/kg)	WET-citric (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH	Latitude	Longitude
B1-0.5	0.5	4/23/2012	13	--	--	--	--	33.859596052	-118.03677597(
B1-1.5	1.5	4/23/2012	2.4	--	--	--	--		
B1-3.0	3.0	4/23/2012	7.1	--	--	--	9.4		
B1-4.0	4.0	4/23/2012	5.7	--	--	--	--		
B2-0.5	0.5	4/23/2012	57	3.0	--	--	9.3	33.859433785	-118.03621964
B2-1.5	1.5	4/23/2012	17	--	--	--	--		
B2-3.0	3.0	4/23/2012	10	--	--	--	--		
B2-4.0	4.0	4/23/2012	13	--	--	--	--		
B3-0.5	0.5	4/23/2012	66	1.5	--	--	--	33.859116460	-118.035756627
B3-1.5	1.5	4/23/2012	19	--	--	--	--		
B3-3.0	3.0	4/23/2012	13	--	--	--	--		
B3-4.0	4.0	4/23/2012	9.3	--	--	--	--		
Maximum			66	3.0	NA	NA	9.4		
Average			19.4	2.3	NA	NA	9.4		
Minimum			2.4	1.50	NA	NA	9.3		
Regulatory Limits			1411[(1)]	5[(2)]	1.5[(3)]	5[(4)]	5[(5)]		
SSLs			NA	NA	NA	NA	NA		
Decontamination Water (mg/l)									
W1	NA	4/23/2012	<0.02	--	--	--	--		

Notes:
1 – Limit specified in addendum to Variance issued by the Department of Toxic Substance Control (DTSC) to Caltrans
2 – Soluble Threshold Limit Concentration for California Hazardous Waste (California Code of Regulations [CCR] Title 22, Section 66261.24)
3 – Limit Specified by DTSC Variance
4 – Maximum concentration for the TCLP of Resource, Conservation, and Recovery Act (RCRA) hazardous waste (CCR Title 22, Section 66216.24)
5 – Minimum value specified by DTSC variance
bgs – below ground surface
mg/kg – milligrams per kilogram
mg/l – milligrams per liter
NA – not applicable
ND – not detected above the Practical Quantitation Limits presented in Appendix C
TCLP – soluble lead by the Toxicity Characteristic Leaching Procedure
TTLC – total lead for comparison to the Total Threshold Limit Concentration
WET – Waste Extraction Test
WET-citric – soluble lead by WET using citric acid for comparison to the Soluble Threshold Limit Concentration
WET-DI – soluble lead by WET using deionized water for comparison to the Soluble Threshold Limit Concentration
-- – not analyzed



REFERENCE: GOOGLE EARTH IMAGERY, 2011.

N

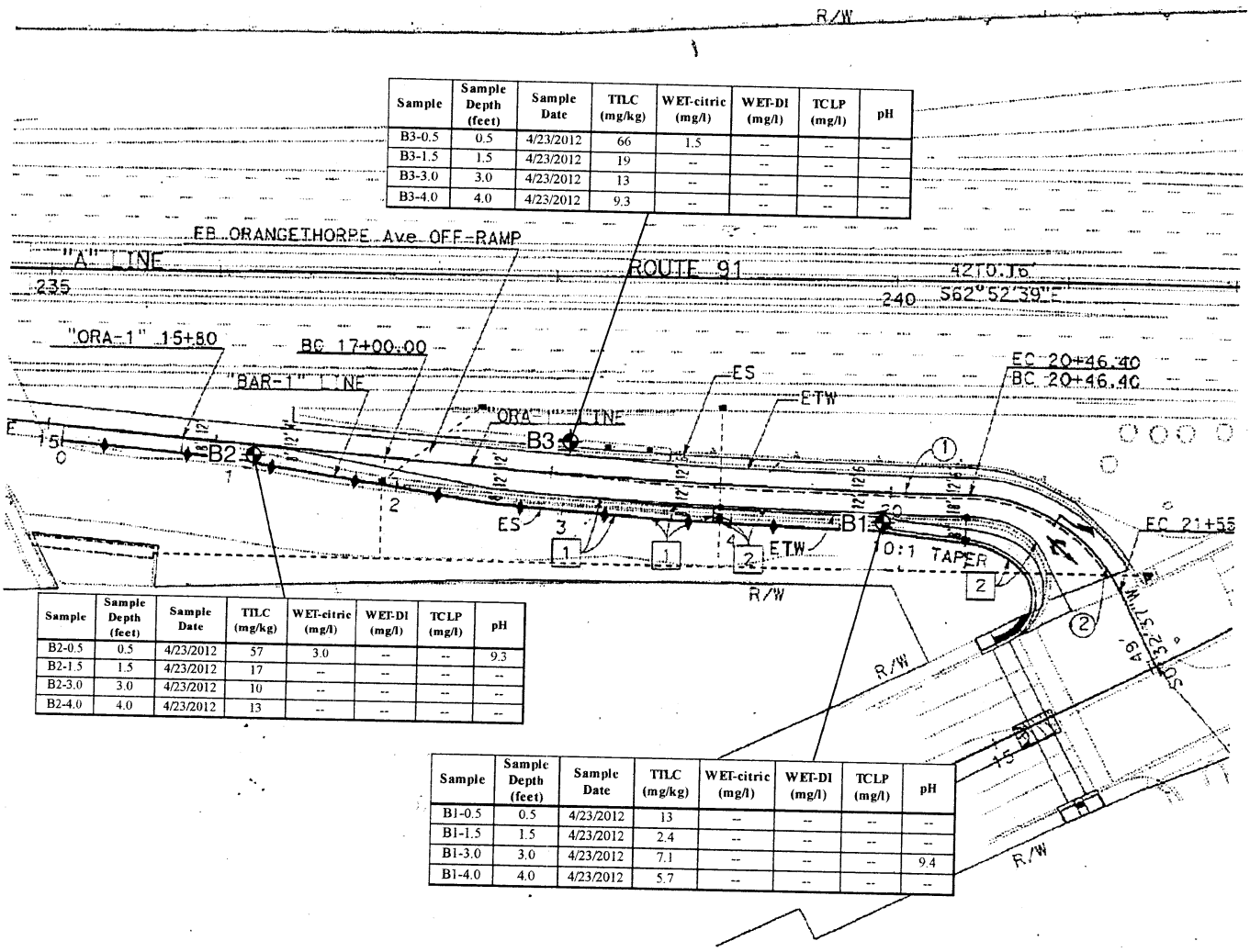
SCALE IN FEET

0 60 120

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

LEGEND
B3 ⊕ BORING LOCATION

Ninyo & Moore	BORING LOCATIONS	FIGURE
PROJECT NO.	DATE	EB SR-91 OFF-RAMP TO ORANGETHORPE AVENUE LA PALMA, CALIFORNIA	2
208449005	5/12		



Sample	Sample Depth (feet)	Sample Date	TTLC (mg/kg)	WET-citric (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
B3-0.5	0.5	4/23/2012	66	1.5	--	--	--
B3-1.5	1.5	4/23/2012	19	--	--	--	--
B3-3.0	3.0	4/23/2012	13	--	--	--	--
B3-4.0	4.0	4/23/2012	9.3	--	--	--	--

Sample	Sample Depth (feet)	Sample Date	TTLC (mg/kg)	WET-citric (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
B2-0.5	0.5	4/23/2012	57	3.0	--	--	9.3
B2-1.5	1.5	4/23/2012	17	--	--	--	--
B2-3.0	3.0	4/23/2012	10	--	--	--	--
B2-4.0	4.0	4/23/2012	13	--	--	--	--

Sample	Sample Depth (feet)	Sample Date	TTLC (mg/kg)	WET-citric (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
B1-0.5	0.5	4/23/2012	13	--	--	--	--
B1-1.5	1.5	4/23/2012	2.4	--	--	--	--
B1-3.0	3.0	4/23/2012	7.1	--	--	--	9.4
B1-4.0	4.0	4/23/2012	5.7	--	--	--	--

LEGEND

B3 ⊕	Boring location
TTLC	Total lead for comparison to the Total Threshold Limit Concentration
mg/kg	Milligrams per kilogram
WET	Waste Extraction Test
WET-citric	Soluble lead by WET using citric acid for comparision to Soluble Threshold Limit Concentration
WET-DI	Soluble lead by WET using deionized water for comparison to Soluble Threshold Limit Concentration
mg/l	Milligrams per liter
TCLP	Soluble lead by Toxicity Characteristic Leaching Procedure

N

SCALE IN FEET

0 100 200

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCE: CALTRANS, 2012.

Ninyo & Moore

BORING DATA

FIGURE 3

PROJECT NO.	DATE
208449005	5/12

EB SR-91 OFF-RAMP TO ORANGETHORPE AVENUE
LA PALMA, CALIFORNIA