



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710. Phone (415) 486-0900

LABORATORY NUMBER: 16876  
 CLIENT: SUBSURFACE CONSULTANTS  
 JOB #: 190.005  
 LOCATION: PARAGON GATEWAY

DATE RECEIVED: 02/23/89  
 DATE ANALYZED: 02/28/89  
 DATE REPORTED: 03/13/89  
 PAGE 1 OF 20

Extractable Petroleum Hydrocarbons  
 EPA 8015 (Modified)  
 Extraction Method: EPA 3550/3510

LAB ID	CLIENT ID	GASOLINE (mg/Kg)	KEROSINE (mg/Kg)	DIESEL (mg/Kg)	OTHER (mg/Kg)
16876-8	7 @ 4.0'	ND(10)	ND(10)	ND(10)	1,200*
16876-9	11 @ 1.5	ND(10)	ND(10)	ND(10)	ND(10)
		(mg/L)	(mg/L)	(mg/L)	(mg/L)
16876-1	WELL 7	ND(0.5)	ND(0.5)	ND(0.5)	TRACE *
16876-7	DIESEL WELL	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

\* Fingerprint pattern does not match Hydrocarbon Standards. Quantitation based on largest peaks within C12-C24 boiling range.

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

Duplicate: Relative % Difference  
 Spike: % Recovery

6  
109

*Stephen L. ...*  
 LABORATORY DIRECTOR

LABORATORY NUMBER: 16876-2,3,4  
 CLIENT: SUBSURFACE CONSULTANTS  
 JOB #: 190.005 - PARAGON GATEWAY  
 COMPOSITE ID: WELL 8, 9, 11

DATE RECEIVED: 02/23/89  
 DATE ANALYZED: 02/27/89  
 DATE REPORTED: 03/13/89  
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Title 22 Metals in Aqueous Solutions

METAL	RESULT mg/L	DETECTION LIMIT mg/L	METHOD
Antimony	ND	0.05	EPA 6010
Arsenic	ND	0.05	EPA 6010
Barium	0.13	0.01	EPA 6010
Beryllium	ND	0.01	EPA 6010
Cadmium	ND	0.01	EPA 6010
Chromium (total)	ND	0.01	EPA 6010
Cobalt	ND	0.01	EPA 6010
Copper	ND	0.01	EPA 6010
Lead	ND	0.05	EPA 6010
Mercury	ND	0.001	EPA 7470
Molybdenum	ND	0.01	EPA 6010
Nickel	ND	0.02	EPA 6010
Selenium	ND	0.05	EPA 6010
Silver	ND	0.02	EPA 6010
Thallium	ND	0.05	EPA 7841
Vanadium	ND	0.02	EPA 6010
Zinc	ND	0.01	EPA 6010

ND = None Detected

QA/QC SUMMARY

	%RPD	%SPIKE		%RPD	%SPIKE
Antimony	4	99	Mercury	4	89
Arsenic	3	105	Molybdenum	<1	99
Barium	2	102	Nickel	2	104
Beryllium	3	103	Selenium	3	100
Cadmium	<1	107	Silver	<1	108
Chromium	1	105	Thallium	3	105
Cobalt	<1	104	Vanadium	<1	95
Copper	2	101	Zinc	<1	104
Lead	3	101			

LABORATORY NUMBER: 16876-5  
 CLIENT: SUBSURFACE CONSULTANTS  
 JOB #: 190.005 - PARAGON GATEWAY  
 COMPOSITE ID: WELL 10

DATE RECEIVED: 02/23/89  
 DATE ANALYZED: 02/27/89  
 DATE REPORTED: 03/13/89  
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Title 22 Metals in Aqueous Solutions

METAL	RESULT mg/L	DETECTION LIMIT mg/L	METHOD
Antimony	ND	0.05	EPA 6010
Arsenic	ND	0.05	EPA 6010
Barium	0.22	0.01	EPA 6010
Beryllium	ND	0.01	EPA 6010
Cadmium	ND	0.01	EPA 6010
Chromium (total)	0.01	0.01	EPA 6010
Cobalt	ND	0.01	EPA 6010
Copper	ND	0.01	EPA 6010
Lead	ND	0.05	EPA 6010
Mercury	ND	0.001	EPA 7470
Molybdenum	ND	0.01	EPA 6010
Nickel	0.02	0.02	EPA 6010
Selenium	ND	0.05	EPA 6010
Silver	ND	0.02	EPA 6010
Thallium	ND	0.05	EPA 6010
Vanadium	ND	0.02	EPA 6010
Zinc	0.12	0.01	EPA 6010

ND = None Detected

QA/QC SUMMARY

	%RPD	%SPIKE		%RPD	%SPIKE
Antimony	4	99	Mercury	4	89
Arsenic	3	105	Molybdenum	<1	99
Barium	2	102	Nickel	2	104
Beryllium	3	103	Selenium	3	100
Cadmium	<1	107	Silver	<1	108
Chromium	1	105	Thallium	3	105
Cobalt	<1	104	Vanadium	<1	95
Copper	2	101	Zinc	<1	104
Lead	3	101			



LABORATORY NUMBER: 16876-9  
 CLIENT: SUBSURFACE CONSULTANTS  
 JOB #: 190.005 - PARAGON GATEWAY  
 SAMPLE ID: 11 @ 1.5'

DATE RECEIVED: 02/23/89  
 DATE ANALYZED: 03/09/89  
 DATE REPORTED: 03/13/89  
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Title 22 Metals in Soils & Wastes  
 Digestion Method: EPA 3050

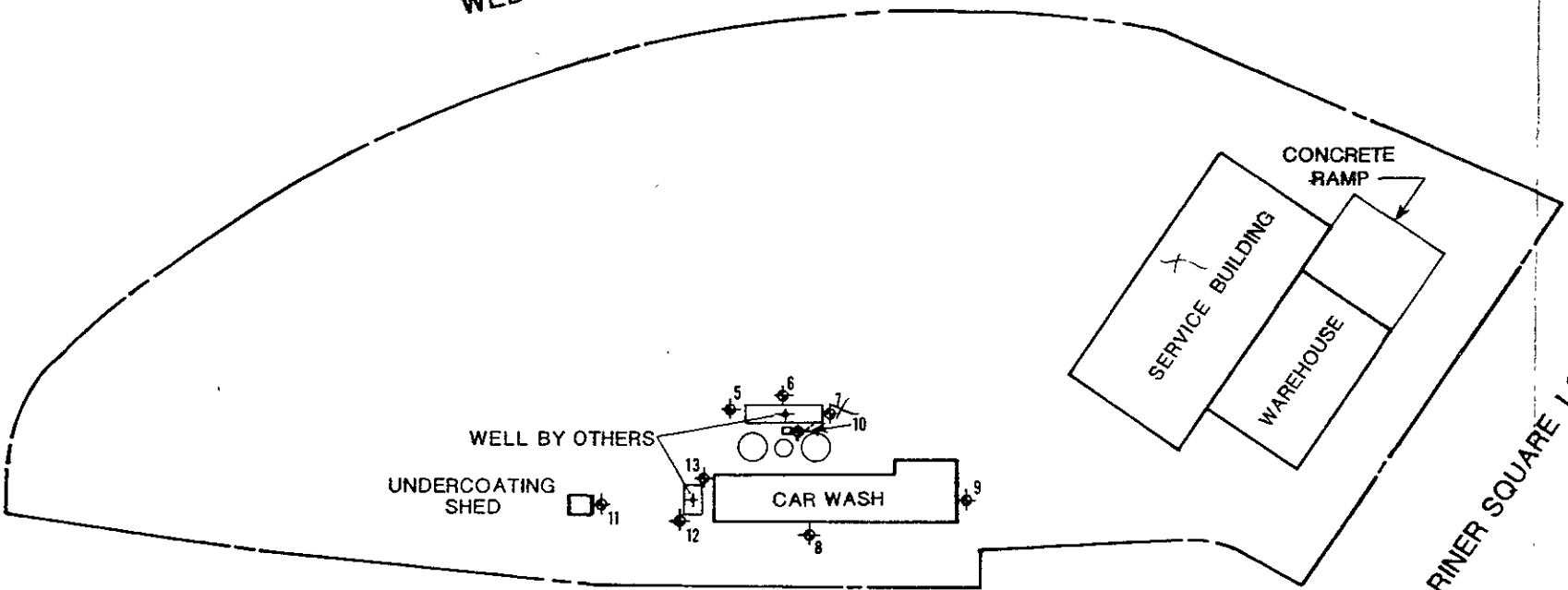
METAL	RESULT mg/Kg	DETECTION LIMIT mg/Kg	METHOD
Antimony	ND	2.5	EPA 6010
Arsenic	ND	2.5	EPA 6010
Barium	15	0.5	EPA 6010
Beryllium	ND	0.5	EPA 6010
Cadmium	ND	0.5	EPA 6010
Chromium (total)	16	0.5	EPA 6010
Cobalt	3.2	0.5	EPA 6010
Copper	11	0.5	EPA 6010
Lead	ND	2.5	EPA 6010
Mercury	ND	0.1	EPA 7471
Molybdenum	ND	0.5	EPA 6010
Nickel	17	0.5	EPA 6010
Selenium	ND	2.5	EPA 7740
Silver	ND	1.0	EPA 6010
Thallium	ND	2.5	EPA 6010
Vanadium	8.4	1.0	EPA 6010
Zinc	27	0.5	EPA 6010

ND = None Detected

QA/QC SUMMARY

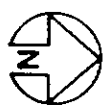
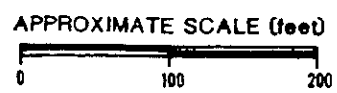
	%RPD	%SPIKE		%RPD	%SPIKE
Antimony	2	94	Mercury	<1	89
Arsenic	2	103	Molybdenum	<1	99
Barium	2	103	Nickel	4	106
Beryllium	2	105	Selenium	1	97
Cadmium	2	103	Silver	<1	109
Chromium	3	106	Thallium	<1	99
Cobalt	1	104	Vanadium	1	95
Copper	1	98	Zinc	<1	104
Lead	2	99			

WEBSTER STREET (WEST)



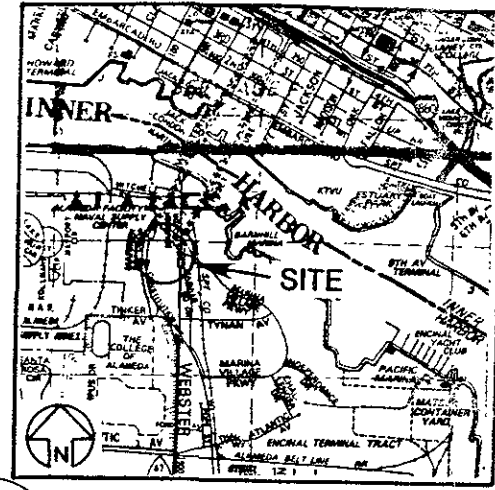
WEBSTER STREET (EAST)

MARINER SQUARE LOOP

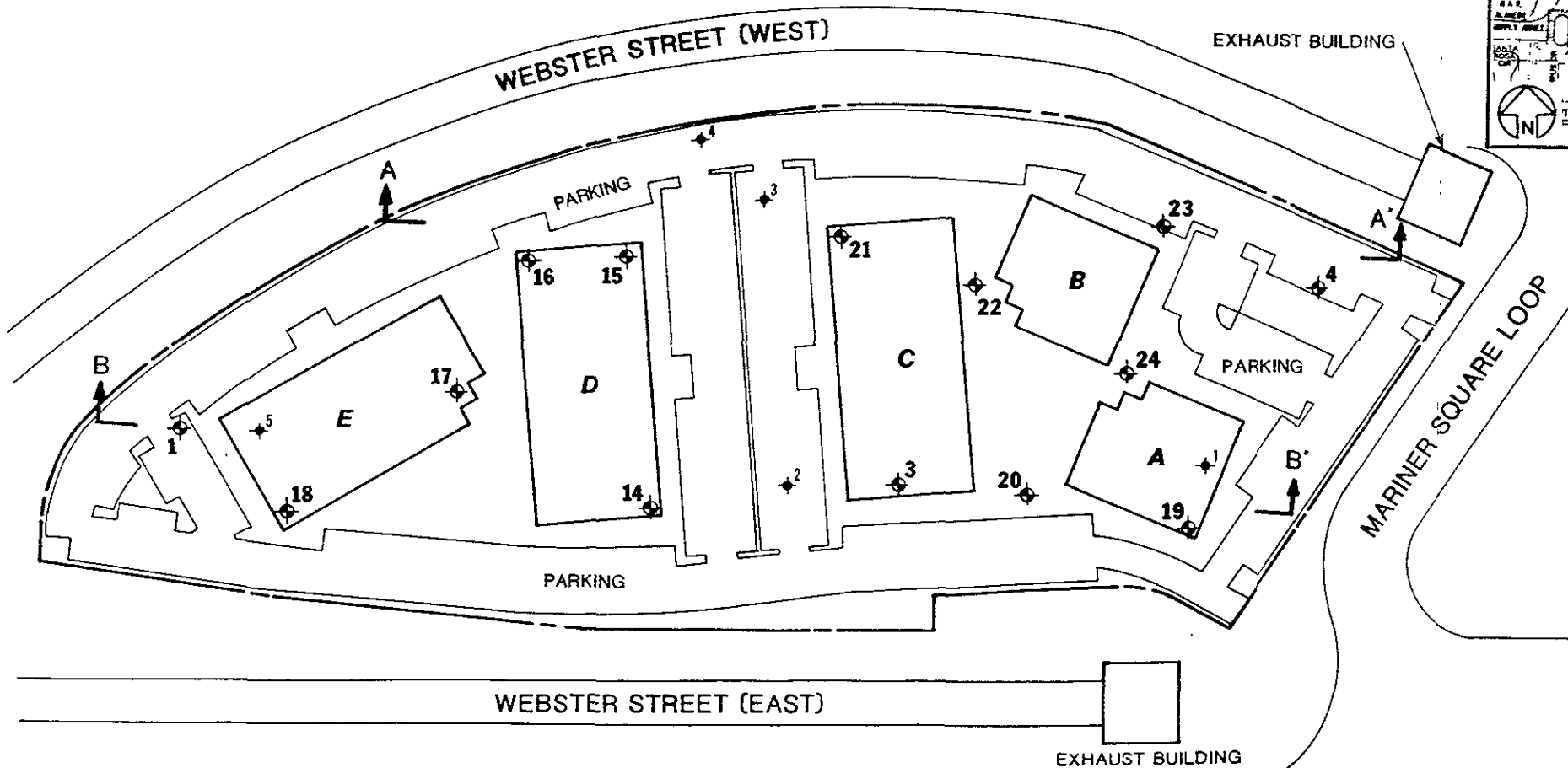


SITE PLAN		
PARAGON GATEWAY - ALAMEDA, CA		PLATE
JOB NUMBER	DATE	APPROVED
190.005	2/22/89	

Subsurface Consultants

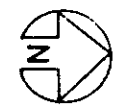


VICINITY MAP



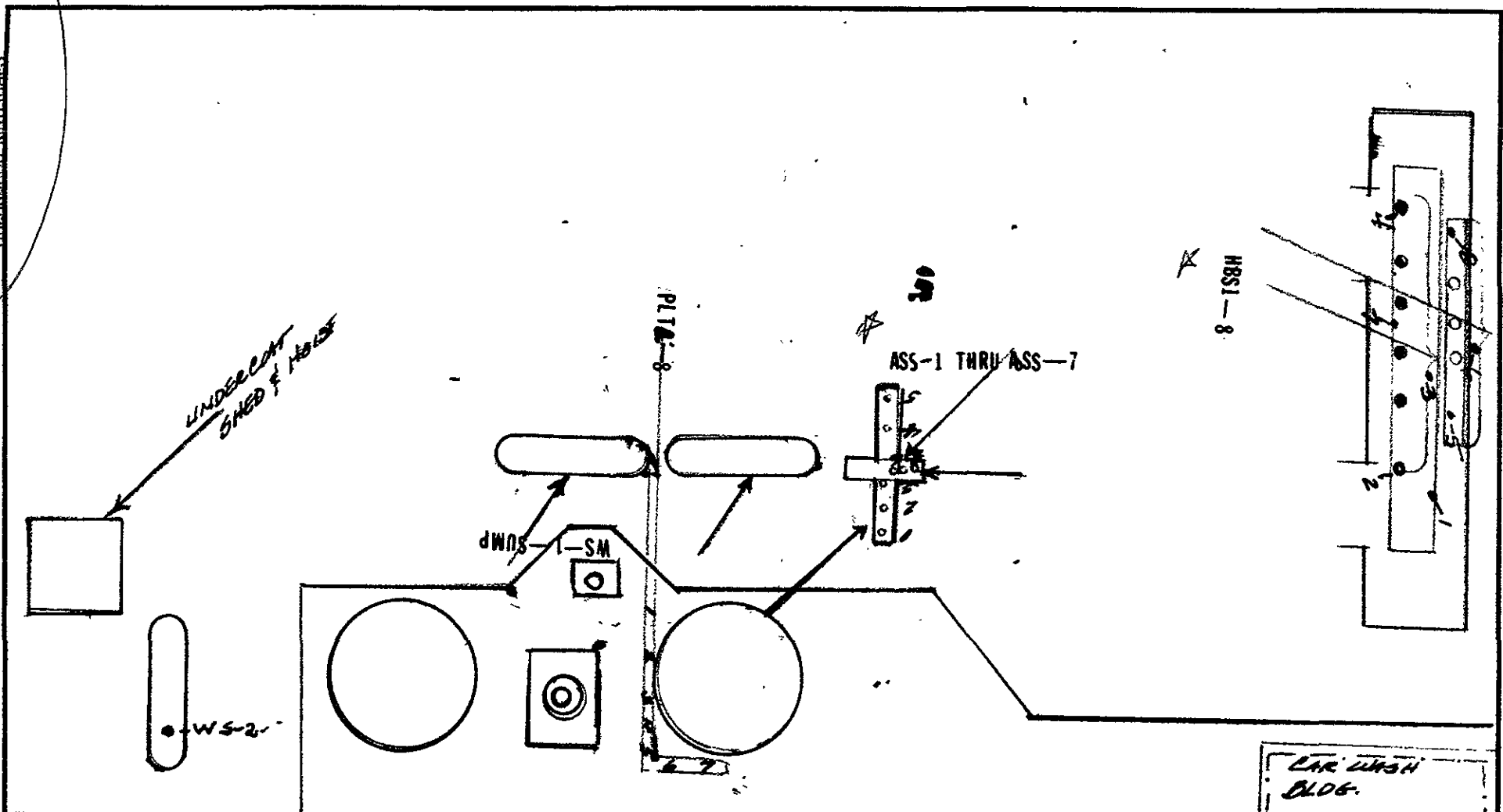
TEST BORING  
CROSS SECTION

RECEIVED  
MAR 17 1989  
2236 Mariner Square Dr.



Subsurface Consultants

SITE PLAN		
PARAGON GATEWAY - ALAMEDA, CA		PLATE
JOB NUMBER	DATE	APPROVED
190.005	2/22/89	



<b>MARINE R WARHOUSE</b> MARINER SQUARE LOOP ALAMEDA - CALIFORNIA		
SCALE:	N/A	APPROVED BY:
DATE:	4-17-89	DRAWN BY: <i>[Signature]</i>
		REVISED:
		DRAWING NUMBER: