March 8, 2001
Project No. 400301-03

Ms. Malika Ramachandran, P.E
Senior Civil Engineer
Alameda Public Works Department
Alameda Point, Building 1, Room 110
950 West Mall Square
Alameda, California 94501

Subject: Dissolved Lead Analysis
2756 Main Street
Alameda, California

Dear Ms. Ramachandran.

Ninyo & Moore is pleased to present dissolved lead results from a sample collected at the former Dales Bar site located at 2756 Main Street, Alameda, California. The purpose of the sample collection was to present results to the State Regional Water Quality Control Board (RWQCB) in order to satisfy site closure requirements

The subject site is located near the northeast corner of Main Street and Singleton Avenue in the City and County of Alameda, California. The site was formerly occupied by a gas station that reportedly contained up to seven underground storage tanks (USTs).

A representative of our firm collected one groundwater sample (identified as WB-13) from a hand augured exploratory boring on February 27, ~~2000~~ 2001. The boring was augured to approximately 3 feet below ground surface (bgs) to obtain one groundwater sample for laboratory testing The approximate location of the boring is indicated on the Boring Location Map (Figure 1)

The groundwater sample was collected using a peristaltic pump and decontaminated silicon tubing Groundwater was pumped from the boring through the silicon tubing and a 0.45-micron filter into a clean and dry 500-milliliter plastic container The sample was placed in a cooler with ice and transported via a courier to McCampbell Analytical Laboratories in Pacheco California

The sample was analyzed for dissolved lead using EPA Method 6010/200.7. Results of the analysis indicated the groundwater sample was non-detect for dissolved lead A copy of the analytical results are attached.

We appreciate this opportunity to be of service to The City of Alameda on this project. If you have any questions regarding this report, please contact the undersigned.

Sincerely,
**NINYO & MOORE**

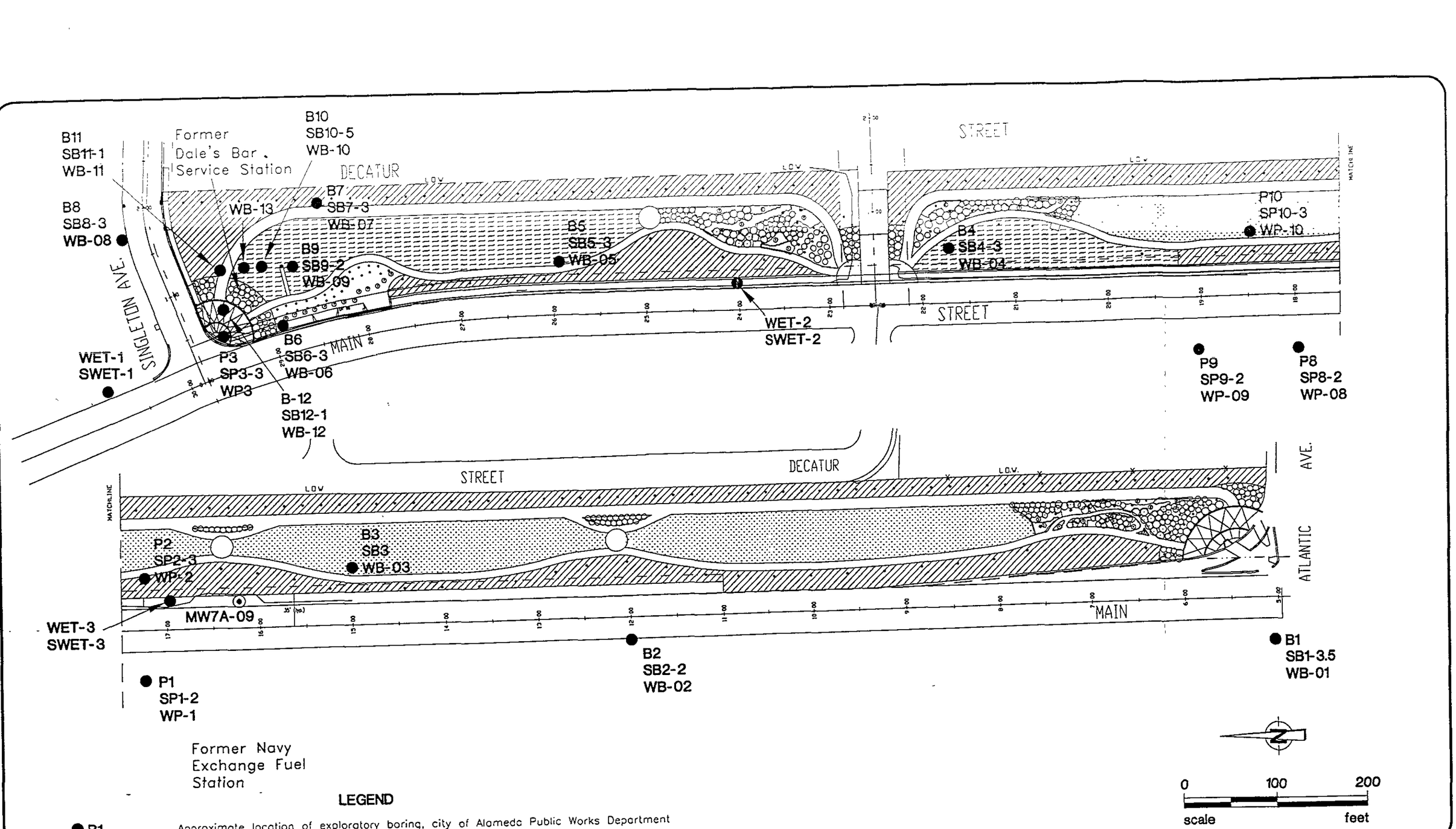
Kris M. Larson
Senior Staff Environmental Geologist

York R. Gorzolla, R.G., R.E.A.
Manager of Environmental Sciences

KML/YRG/jms

Attachments: Boring Location Map
Laboratory Analytical Data

Distribution: (1) via fax: (510) 749-5867
(1) addressee




## LEGEND

| | |
|---|---|
| ● B1 | Approximate location of exploratory boring, city of Alameda Public Works Department |
| SB1-3.5 | Soil sample location and depth |
| WB-01 | Water sample location |
| ● P1 | Approximate location of exploratory boring, Alameda Power & Telecom |
| SP1-2 | Soil sample location and depth |
| WP-1 | Water sample location |
| ● WET-1 | Wetland samples – Water |
| SWET-1 | Wetland samples – Soil |
| ⊙ MW7A-09 | Monitoring well |

REFERENCE: TOM RICHMAN & ASSOCIATES, 1999, PLANTING PLAN, MAIN STREET GREENWAY, SHEET 3, DATED NOVEMBER.

Ninyo & Moore

# BORING LOCATION MAP

MAIN STREET GREENWAY
ALAMEDA, CALIFORNIA

| PROJECT NO. | DATE | FIGURE |
|---|---|---|
| 400301-02 | 3/00 | 2 |

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

| | | |
|---|---|---|
| Ninyo & Moore<br>675 Hegenberger Road. Ste 220<br>Oakland, CA 94621-1919<br>Email: not available | Client Project ID: #400301-03; Alameda | Date Sampled: 02/27/01 |
| | | Date Received: 02/28/01 |
| | Client Contact: Kris Larson | Date Extracted: 03/01/01 |
| | Client P.O: | Date Analyzed: 03/01/01 |

**Lead***

EPA analytical methods 6010/200.7, 239.2*

| Lab ID | Client ID | Matrix | Extraction ° | Lead* | % Recovery Surrogate |
|---|---|---|---|---|---|
| 60977 | WB-13 | W | Dissolved | ND | N/A |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| | | | |
|---|---|---|---|
| Reporting Limit unless otherwise stated, ND means not detected above the reporting limit | S | TTLC | 3.0 mg/kg |
| | W | Dissolved | 0 005 mg/L |
| | --- | STLC,TCLP | 0 2 mg/L |

* soil and sludge samples are reported in mg/kg, wipe samples in ug/wipe, and water samples and all STLC / SPLP / TCLP extracts in mg/L

*Lead is analysed using EPA method 6010 (ICP)for soils, sludges STLC & TCLP extracts and method 239 2 (AA Furnace) for water samples

DISTLC extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid DISTLC results are not applicable to STLC regulatory limits

° EPA extraction methods 1311(TCLP), 3010 3020(water TTLC) 3040(organic matrices TTLC) 3050(solids TTLC) STLC - CA Title 22

[3] surrogate diluted out of range N A means surrogate not applicable to this analysis

[5] reporting limit raised due matrix interference

[6] liquid sample that contains greater than ~2 vol % sediment this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC.
110 2nd Ave. South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

# QC REPORT

Date: 3/01/01-03/02/01 Matrix: Water

Extraction: Dissolved

| Compound | Concentration: mg/L | | | | %Recovery | | RPD |
|---|---|---|---|---|---|---|---|
| | Sample | MS | MSD | Amount Spiked | MS | MSD | |
| SampleID: 22101 | | | | Instrument: ICP-1 | | | |
| Lead | 0.000 | 8.1 | 8.7 | 10.00 | 81 | 87 | 7.1 |

$$\%Recovery = \frac{(MS - Sample)}{Amount\ Spiked} * 100$$

$$RPD = \frac{(MS - MSD)}{(MS + MSD)} * 2$$

RPD means Relative Percent Deviation

24680 ZNM 31

# McCAMPBELL ANALYTICAL INC.

1534 2nd AVENUE, SUITE 102
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

Report To: [illegible] Bill To:
Company: [illegible]
Tele: ( ) Fax: ( )
Project #: Project Name:
Project Location:
Sampler Signature:

## CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH | 24 HR | 48 HR | 72 HR | 5 DAY

| SAMPLE ID | LOCATION | SAMPLING Date | SAMPLING Time | # Containers | Type Containers | MATRIX: Water | Soil | Air | Sludge | Other | METHOD PRESERVED: Ice | HCl | HNO3 | Other | Analysis Request | Other | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-B-13A | [illegible] | | | | | | | | | | | | | | | | |
| MW-B-13 | PACES BAR | 2/22 | 11:30 | 1 | PL | X | | | | | | | | | X | | 60977 |

Analysis Request: BTEX & TPH as Gas (602/8020 + 8015 Mod.); TPH as Diesel (8015); Total Petroleum Oil & Grease (5520 E&F); Total Petroleum Hydrocarbons (418.1); EPA 601 / 8010; BTEX ONLY (EPA 602 / 8020); EPA 608 / 8080; EPA 608 / 8080 PCB's ONLY; EPA 624 / 8240 / 8260; EPA 625 / 8270; PAH's / PNA's by EPA 625 / 8270 / 8310; CAM-17 Metals; LUFT 5 Metals; Lead (7240/7421/239.2/6010); HOLD

Other: pH; TSS; TOC; Specific Conductivity

Comments: 60977 DISSOLVED LEAD

ICE/t° [illegible]
GOOD CONDITION ✓
HEAD SPACE ABSENT
PRESERVATION APPROPRIATE ✓
CONTAINERS ✓
VOA'S | O&G | METALS | OTHER ✓

Filtered & Preserved in Laboratory

| Relinquished By | Date | Time | Received By |
|---|---|---|---|
| [illegible] | 2/23/01 | 1030 | C. Snyder |
| C. Snyder | 2/23/01 | 3:15 pm | Tina A. Butler |
| Relinquished By | Date | Time | Received By: |

Remarks: SAMPLE FIELD FILTERED W/ 0.45 Micron F/T then Sample NOT Preserved