

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

July 20, 2007

Mr. Bruce Qvale
First Street LLC
901 Van Ness Avenue
San Francisco, CA 94109

Mr. Justin Miller
Bay Colony Investors II, Inc.
C/o Pinn Brothers Construction
2301 Armstrong Street, #210
Livermore, CA 94551

Subject: SLIC Case RO0002928 and Geotracker Global ID T06019745871, Former Livermore Subaru Honda, 3800 First Street, Livermore, CA 94551

Dear Mr. Qvale and Mr. Miller:

This letter confirms the completion of site investigation and remedial actions for the soil and groundwater investigation at the above referenced site. We are also transmitting the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported releases at the subject site with the provision that the information provided to this agency was accurate and representative of existing conditions. The subject Spill, Leaks, Investigation, and Cleanup (SLIC) case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Soils in the area of the former sump contain residual total petroleum hydrocarbons (TPH) as motor oil at concentrations up to 46 parts per million and TPH as diesel at concentrations up to 25 ppm.
- Groundwater in the area of the former sump contains TPH as diesel at concentrations up to 69 parts per billion (ppb).

If you have any questions, please call Jerry Wickham at (510) 567-6791. Thank you.

Sincerely,

Donna L. Drogos, P.E.
LOP and SLIC Program Manager

Enclosures: SLIC Case Closure Summary

Mr. Bruce Qvale
Mr. Justin Miller
Bay Colony Investors II
July 20, 2007
Page 2

cc: Cherie McCaulou (w/enc.), San Francisco Bay Regional Water Quality Control Board
1515 Clay Street, Suite 1400, Oakland, CA 94612

Lindsey Robbins (w/ enc.), Livermore Honda, 3200 Las Positas Road, Livermore, CA 94551

Colleen Winey (w/ enc.), QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani (w/ enc.), Livermore-Pleasanton Fire Department, 3560 Nevada Street
Pleasanton, CA 94566 (w/ enc)

John Rigter (w/ enc.), Livermore-Pleasanton Fire Department, 3560 Nevada Street
Pleasanton, CA 94566

City of Livermore Planning Department (w/ enc.), 1052 South Livermore Avenue
Livermore, CA 94550

Donald Ashton (w/o enc.), Clayton Group Services, Inc., 6920 Koll Center Parkway, Suite
216, Pleasanton, CA 94566

Marc Papineau, Environmental Service, 5789 Gold Creek Drive, Castro Valley, CA 94552
(w/o enc)

Stephen Cloudsley, Real Estate Consulting, 1561 Ramona Way, Alamo, CA 94507 (w/o
enc)

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

**CASE CLOSURE SUMMARY
SPILLS, LEAKS, INVESTIGATION, AND CLEANUP PROGRAM**

I. AGENCY INFORMATION

Date: July 12, 2007

| | |
|--|---------------------------------------|
| Agency Name: Alameda County Environmental Health | Address: 1131 Harbor Bay Parkway |
| City/State/Zip: Alameda, CA 94502-6577 | Phone: (510) 567-6791 |
| Responsible Staff Person: Jerry Wickham | Title: Hazardous Materials Specialist |

II. CASE INFORMATION

| | | |
|---|-----------------------------|-------------------------|
| Site Facility Name: Livermore Subaru Honda | | |
| Site Facility Address: 3800 First Street, Livermore, CA 94551 | | |
| RB Case No.: --- | Local Case ID: --- | LOP Case No.: RO0002928 |
| URF Filing Date: 05/11/2006 | Geotracker ID: T06019745871 | APN: 99-56-12 |

| Responsible Parties | Addresses | Phone Numbers |
|--|--|---------------|
| Mr. Bruce Qvale First Street LLC | 901 Van Ness Avenue San Francisco, CA 94109 | 415-740-7934 |
| Mr. Justin Miller Bay Colony Investors II, Inc. C/o Pinn Brothers Construction | 2301 Armstrong Street, #210 Livermore, CA 94551 | 925-449-7900 |
| | | |

| Tank I.D. No | Size in Gallons | Contents | Closed In Place/Removed? | Date |
|--------------|-------------------|------------|--------------------------|------------|
| Sump | Approximately 200 | Wash water | Removed | 05/11/2006 |
| | | | | |
| | | | | |
| Piping | | | Removed | 05/11/2006 |

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

| | |
|---|--|
| Cause and Type of Release: Unknown. No holes, cracks, or other signs of failure were observed in the sump boxes during removal. | |
| Site characterization complete? Yes | Date Approved By Oversight Agency: ----- |

| | | |
|--|----------------------|------------------------------------|
| Monitoring wells installed? No | Number: 0 | Proper screened interval? -- |
| Highest GW Depth Below Ground Surface: 4 feet | Lowest Depth: 60 ft. | Flow Direction: South to Southeast |
| Most Sensitive Current Use: Drinking water source. | | |

| | |
|--|---|
| <p>Summary of Production Wells in Vicinity: No active water supply wells are located within 2,000 feet of the site. The nearest abandoned water supply well is 3S/2E 9G1, which is an abandoned windmill well located approximately 1,050 feet southwest of the site, at 3562 First Street. Based on the distance from the site and cross gradient location, the abandoned well is not expected to be a receptor for the site. The nearest downgradient well is an abandoned California Water Service municipal well located approximately 1,200 feet southeast of the site. The abandoned California Water Service well is 515 feet and is perforated from 110 to 425 feet bgs. Based on the distance from the site, the California Water Service well is not expected to be a receptor for the site.</p> | |
| Are drinking water wells affected? No | Aquifer Name: Mocho Subbasin, Livermore-Amador Groundwater Basin |
| Is surface water affected? No | Nearest SW Name: No surface water features within 1/2mile of site |
| Off-Site Beneficial Use Impacts (Addresses/Locations): None | |
| Reports on file? Yes | Where are reports filed? Alameda County Environmental Health and Livermore-Pleasanton Fire Department |

| TREATMENT AND DISPOSAL OF AFFECTED MATERIAL | | | |
|---|---|--|------------|
| Material | Amount (Include Units) | Action (Treatment or Disposal w/Destination) | Date |
| Sump | Two sump boxes approximately 3 feet by 3 feet by 3 feet | After the sump was drained and cleaned, the concrete sump was demolished and disposed off-site. The disposal destination for the concrete rubble was not reported. | 05/11/2006 |
| Piping | --- | --- | --- |
| Free Product | --- | --- | --- |
| Soil | 327 tons | Transported to Republic Services Vasco Road Landfill in Livermore, CA for disposal | 03/23/2007 |
| Groundwater | --- | --- | --- |

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
 (Please see Attachments 1 through 6 for additional information on contaminant locations and concentrations)

| Contaminant | Soil (ppm) | | Water (ppb) | |
|-------------------|------------|-----------|-------------|-------|
| | Before | After | Before | After |
| TPH (Gas) | 2,900 | 5 | 3,200 | <50 |
| TPH (Diesel) | 21,000 | 25 | 640,000 | 69 |
| TPH (Motor Oil) | 7,300 | 46 | 94,000 | NA |
| Oil and Grease | 46,000 | 170 | 6,000 | NA |
| Benzene | <0.005 | <0.005 | <0.5 | <0.5 |
| Toluene | <0.005 | <0.005 | 3.6 | <0.5 |
| Ethylbenzene | 0.031 | <0.005 | 11 | <0.5 |
| Xylenes | 0.18 | <0.005 | 81 | <0.5 |
| Heavy Metals | 16(1) | 14(1) | 1.3(2) | NA |
| MTBE | <0.005(3) | <0.005(3) | <5(3) | <5(3) |
| Other (8240/8270) | 0.38(4) | <0.005 | 45(5) | NA |

(1) Lead; chromium = 150 ppm; nickel = 300 ppm; zinc = 68 ppm; and cadmium <1.5 ppm.

(2) Metals detected in a grab groundwater sample from perched water beneath the sump: lead = 1.3 ppb; chromium = 13 ppb; nickel = 110 ppb; zinc = 39 ppb; and cadmium <0.25 ppb.

(3) No MTBE, fuel oxygenates, EDB, or EDC detected.

(4) 1,2,4-trimehtylbenzene detected at 0.38 ppm; 1,3,5-trimethylbenzene detected at 0.14 ppm; and naphthalene detected at 0.11 ppm.

(5) 1,2,4-trimehtylbenzene detected at 45 ppb; naphthalene detected at 48 ppb; trichloroethene detected at 2.8 ppb; and isopropylbenzene detected at 4.5 ppb.

Site History and Description of Corrective Actions:

The site is currently a vacant lot that is planned for residential development. The site was an auto dealership from 1978 until 2006. A below grade sump in the wash bay of the auto dealership was removed on May 11, 2006. The sump consisted of two boxes approximately three feet square and three feet deep with drain pipes that lead to the sanitary sewer. The sump excavation measured approximately 8 feet by 3 feet and extended 3 feet below grade. Soil around the two sump boxes appeared stained and had a petroleum odor. A total of seven soil samples were collected in the area of the sump during removal. The soil samples contained total recoverable hydrocarbons as oil and grease at concentrations of 62 to 46,000 ppm, total petroleum hydrocarbons as gasoline at concentrations up to 2,900 ppm, and TPH as diesel at concentrations up to 21,000 ppm. Water, which appeared to be perched water that accumulated in soil surrounding the sump, entered the central portion of the excavation and was sampled. The water sample contained TPH as gasoline at a concentration of 3,200 ppb and TPH as diesel at a concentration of 640,000 ppb.

Five soil borings were advanced in the former sump area on June 6, 2006 (borings B-100 through B-104). One soil boring was advanced through the center of the sump excavation and the remaining four borings were advanced at distances of approximately 8 to 10 feet surrounding the center of the sump. Fuel hydrocarbons were only detected in soil samples collected from the soil boring in the center of the former sump (B-100).

Additional excavation was conducted on July 7, 2006. The area immediately around the former sump was excavated in two phases. Following removal of the concrete floor in the wash bay, soil was removed to a depth of approximately 6 feet bgs. Stained soil with strong hydrocarbon odors was initially observed below about 2.5 feet bgs. Hydrocarbon odors diminished below 4 feet bgs and the excavation was extended to a depth of about 6 feet bgs. During the second phase, the interior excavation within the wash bay was deepened along two trenches due to concerns for foundation stability to depths of 12 to 13 feet bgs. Petroleum stained soil that appeared to extend beneath the building foundation, was observed in the southwest sidewall of the interior excavation. Two trenches were excavated outside the southwest wall of the building to investigate the extent of contaminated soil. The second trench was excavated approximately 17 feet southwest of the building. TPH was not reported in the soil sample collected from the second trench. Further excavation of petroleum-hydrocarbon impacted soil below the former sump and beneath the southwest and northwest building foundations could not be conducted without compromising the building foundation.

After the buildings were demolished to allow access, additional excavation of soils around and beneath the former sump was initiated on March 22, 2007. Stained soil was observed in the central area of the former sump excavation to a depth of approximately 13 feet bgs. The excavation was extended approximately 10 feet beyond the southwest wall of the former building to depths of approximately 8 to 10 feet bgs. The final excavation measured roughly 35 feet by 25 feet, extending to depths of 8 to 15 feet bgs with a bench step to the west sidewall. A trench was also excavated to remove a former sewer line that extended southeast from the former sump. A total of 327 tons of soil was excavated and disposed off-site. Low concentrations of petroleum hydrocarbons were detected in 7 of the 17 confirmation soil samples collected. The maximum concentrations of TPH as gasoline and TPH as diesel detected in the confirmation soil samples were 5 ppm and 25 ppm, respectively.

In order to assess whether groundwater was impacted beneath the former sump, one soil boring (B-105) was advanced at the site on May 24, 2007. No fuel hydrocarbons were detected in soil samples collected from the boring, which extended to a depth of 58.5 feet bgs. A grab groundwater sample collected from a temporary well screen contained TPH as diesel at a concentration of 69 ppb. No other fuel hydrocarbons, oxygenates, or VOCs were detected in the grab groundwater sample.

A previous fuel leak case (RO0000934) for three USTs was closed at this site (3800 First Street) by Alameda County Environmental Health (ACEH) on June 14, 1995. Three USTs that were located immediately southwest of the auto dealership building were removed on December 22, 1992. The former USTs were a 2,000-gallon gasoline tank, 550-gallon gasoline tank, and a 550-gallon waste oil tank.

The planned residential development at 3800 First Street extends eastward to the area of a former fuel leak case at 3884 First Street (RO0002611). Soils were excavated to depths of approximately 20 feet bgs in three areas of the 3884 First Street site from February 21 to March 21, 2006 as part of the remedial activities for case RO0002611. Former fuel leak case RO0002611 was closed by ACEH on June 28, 2006.


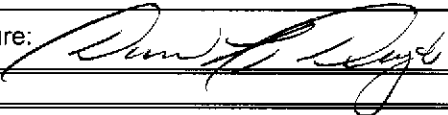
IV. CLOSURE

| | | |
|--|--------------------------|--------------------|
| Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes | | |
| Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes | | |
| Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a risk to human health based upon current land use and conditions. | | |
| Site Management Requirements: None | | |
| Should corrective action be reviewed if land use changes? No | | |
| Was a deed restriction or deed notification filed? No | | Date Recorded: -- |
| Monitoring Wells Decommissioned: No | Number Decommissioned: 0 | Number Retained: 0 |
| List Enforcement Actions Taken: None | | |
| List Enforcement Actions Rescinded: -- | | |

V. ADDITIONAL COMMENTS, DATA, ETC.

| |
|---|
| <p>Considerations and/or Variances:</p> <p>None.</p> <p>Conclusion:</p> <p>Alameda County Environmental Health staff believe that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment based upon the information available in our files to date. No further investigation or cleanup is necessary. ACEH staff recommend case closure for this site.</p> |
|---|

VI. LOCAL AGENCY REPRESENTATIVE DATA

| | |
|--|---|
| Prepared by: Jerry Wickham | Title: Hazardous Materials Specialist |
| Signature:  | Date: 06/27/07 |
| Approved by: Donna L. Drogos, P.E. | Title: Supervising Hazardous Materials Specialist |
| Signature:  | Date: 07/12/07 |

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

| | |
|--|------------------------------|
| Regional Board Staff Name: Cherie McCaulou | Title: Engineering Geologist |
| RB Response: Concur, based solely upon information contained in this case closure summary. | Date Submitted to RB: |
| Signature: <i>Cherie McCaulou</i> | Date: <i>7/19/07</i> |

VIII. MONITORING WELL DECOMMISSIONING

| | | |
|---|---|--------------------|
| Date Requested by ACEH: NA | Date of Well Decommissioning Report: NA | |
| All Monitoring Wells Decommissioned: Yes | Number Decommissioned: 0 | Number Retained: 0 |
| Reason Wells Retained: NA | | |
| Additional requirements for submittal of groundwater data from retained wells: NA | | |
| ACEH Concurrence - Signature: <i>Jerry Williams</i> | Date: <i>07/19/07</i> | |

Attachments:

1. Vicinity Map (1 page)
2. Vesting Tentative Tract Map (1 page)
3. Site Plan; Petroleum Hydrocarbon Concentrations in Soil; Expanded Excavation and Sample Locations Map; and Borehole B105 Location (4 pages)
4. Soil Analytical Data (4 pages)
5. Grab Groundwater Analytical Data; Analytical Results for Soil & Groundwater Samples (2 pages)
6. Boring Logs (9 pages)

This document and the related SLIC CASE CLOSURE LETTER shall be retained by the lead agency as part of the official site file.

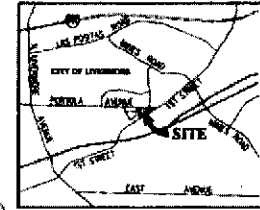


1)
 3884 First Street
 Livermore, California

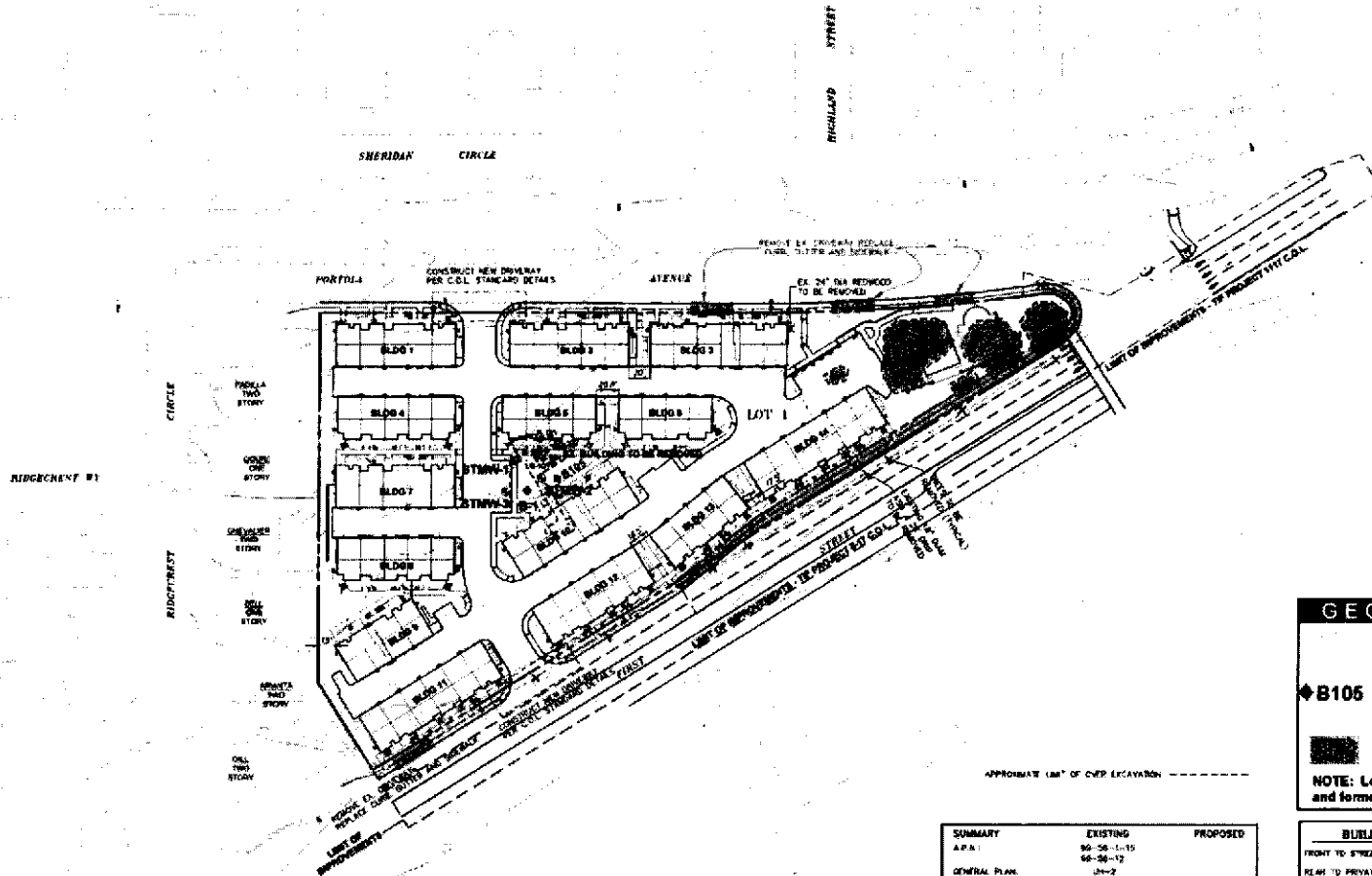


C A M B R I A

Vicinity Map



VICINITY MAP
NOT TO SCALE



GEO MAP KEY

Final Remedial Excavation
March 23, 2007

◆ B105 Soil boring and grab ground water sample location
May 24 & 30, 2007

Previous Remedial Excavations

NOTE: Locations of soil borings and former wells are approximate.

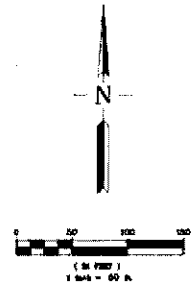
| SUMMARY | EXISTING | PROPOSED |
|--------------------------|-------------------|----------|
| A.P.N. | 56-06-11-15 | |
| GENERAL PLAN | UN-2 | |
| ZONING | PUD-10A | PD |
| NUMBER OF LOTS | 2 | 1 |
| SITE CALCULATION: | | |
| SITE AREA | 3.76 NET ACRES | |
| NUMBER OF UNITS | 54 CROSS APARTS | |
| DENSITY | 13 D.U./ACRE | |
| BUILDING FOOTPRINT | 163,904 SQ. FT. | |
| BUILDING FOOTPRINT | 56,686 SQ. FT. | |
| NET BUILDING FOOTPRINT | 38,738 | |
| OPEN SPACE: | | |
| GROUP OPEN SPACE | 16,350 SQ. FT. | |
| PRIVATE OPEN SPACE | 3,300 SQ. FT. | |
| TOTAL PER UNIT | 300 SQ. FEET/UNIT | |
| PARKING: | | |
| CARSPACE | 140 SPACES | |
| BIKE | 19 SPACES | |
| ACCESSIBLE | 2 SPACES | |
| PORTOLA OFF-SITE | 10 SPACES | |
| TOTAL | 171 SPACES | |

BUILDING SETBACKS

| | |
|---|---------|
| FRONT TO STREET R.O.W. | 10 FEET |
| REAR TO PRIVATE STREET | 0 FEET |
| SIDE TO PRIVATE STREET | 5 FEET |
| SIDE YARD END-BUILDING TO P.L. | 15 FEET |
| PORCH, STAIR TO R.O.W. | 0 FEET |
| END UNIT FEATURES DISTANCE ALLOWED IN REAR-BACK | 5 FEET |

MINIMUM BUILDING SEPARATION

| | |
|--|----------------|
| FRONT TO FRONT | 20 FEET |
| PARALLEL | 15 FEET |
| NON-PARALLEL | 20 FEET |
| GARAGE TO GARAGE | 20 FEET |
| DRIVE(PAD) TO DRIVE(PAD) | 20 FEET |
| PARALLEL | 15 FEET |
| NON-PARALLEL | 15 FEET |
| PORCHES, STAIRS, UTILITY CLOSETS, ARCHITECTURAL FEATURES/ORNAMENTS, OR ABOVE FIRST STORY | NOT CONSIDERED |



VESTING TENTATIVE TRACT MAP 7633
PLANNED DEVELOPMENT - SITE PLAN APPROVAL
"PORTOLA ROAD"
 CITY OF LIVERMORE ALAMEDA COUNTY CALIFORNIA

ROBERT HOWAT ASSOCIATES
 LANDSCAPE ARCHITECTURE
 1000 PLYMOUTH STREET, SUITE 100
 LIVERMORE, CA 94550
 TEL: (925) 462-1100 FAX: (925) 462-1101

SIG ARCHITECTS, INC.
 ARCHITECTS AND PLANNERS
 1000 PLYMOUTH STREET, SUITE 100
 LIVERMORE, CA 94550
 TEL: (925) 462-1100 FAX: (925) 462-1101

PREPARED BY: SIG ARCHITECTS, INC.
 DATE: 05/20/07
 PROJECT NO.: 07-001

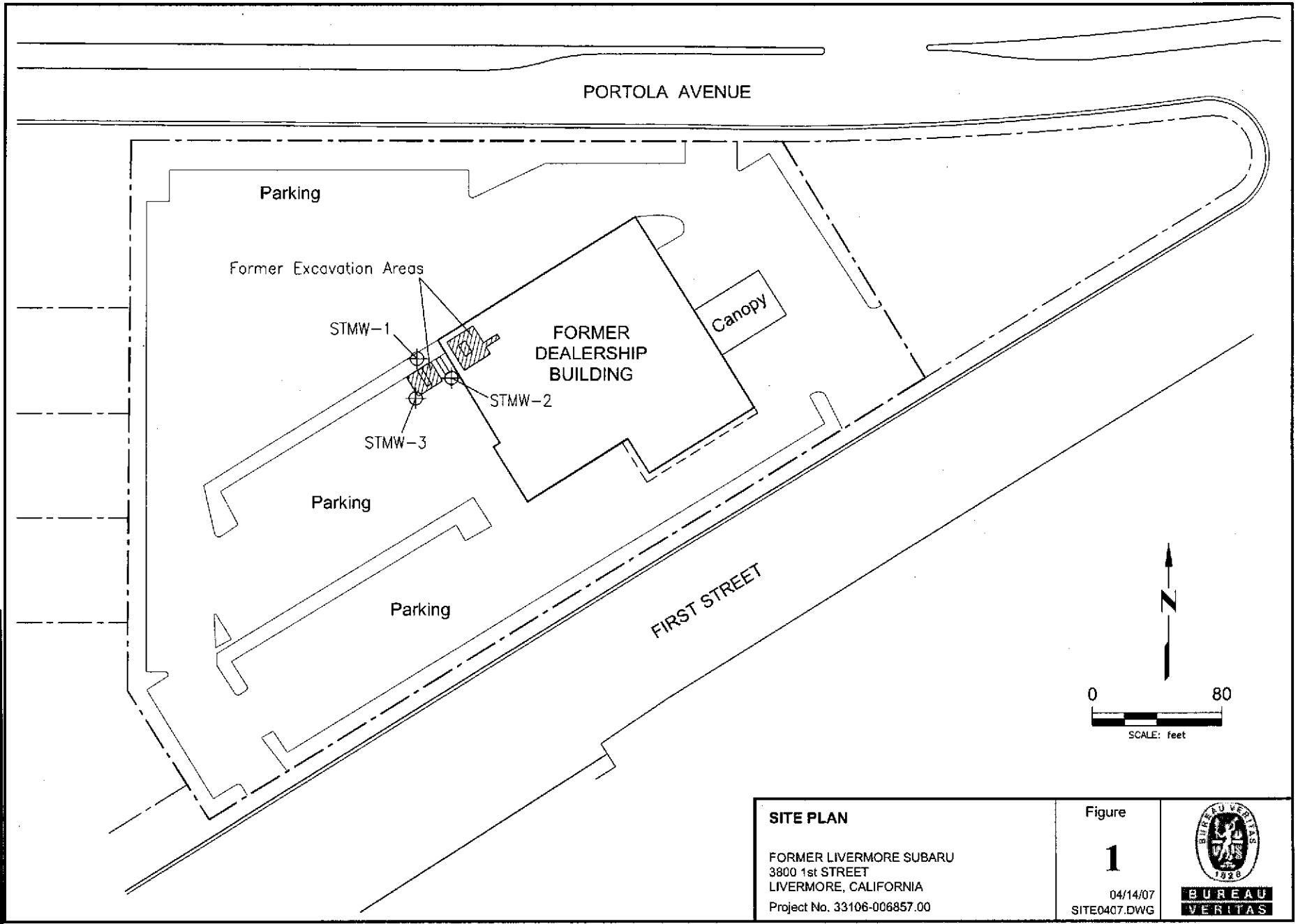
EXHIBIT B-1

SITE PLAN
 FIRST STREET AT PORTOLA AVENUE
 LIVERMORE

SCALE: AS SHOWN
 DATE: 05/20/07
 SHEET NO. 1 OF 1

TM-1

RECEIVED
 2:06 pm, Jun 26, 2007
 Alameda County
 Environmental Health



SITE PLAN

FORMER LIVERMORE SUBARU
 3800 1st STREET
 LIVERMORE, CALIFORNIA
 Project No. 33106-006857.00

Figure
1
 04/14/07
 SITE0407.DWG



Legend:

B-104 ● Soil Sample (June 6, 2006)

▨ Excavation Boundary

OP-1 ○ Excavation Sample (July 7, 2006)
(with approximate sample depth in feet)

Notes:

Concentrations in milligrams per kilogram (mg/kg)

TPH-g Total Petroleum Hydrocarbon as gasoline
 TPH-d Total Petroleum Hydrocarbon as diesel
 TPH-mo Total Petroleum Hydrocarbon as motor oil

| | |
|--------|-------|
| SW-1d | 7' |
| TPH-g | 110 |
| TPH-d | 170 |
| TPH-mo | 33 |
| SW-1c | 10' |
| TPH-g | < 1.0 |
| TPH-d | < 1.0 |
| TPH-mo | < 5.0 |

| | |
|--------|-------|
| SW-2d | 8' |
| TPH-g | 1200 |
| TPH-d | 2200 |
| TPH-mo | 360 |
| SW-2c | 11' |
| TPH-g | < 1.0 |
| TPH-d | < 1.0 |
| TPH-mo | < 5.0 |

| | |
|--------|-------|
| SW-3c | 6' |
| TPH-g | < 1.0 |
| TPH-d | < 1.0 |
| TPH-mo | < 5.0 |

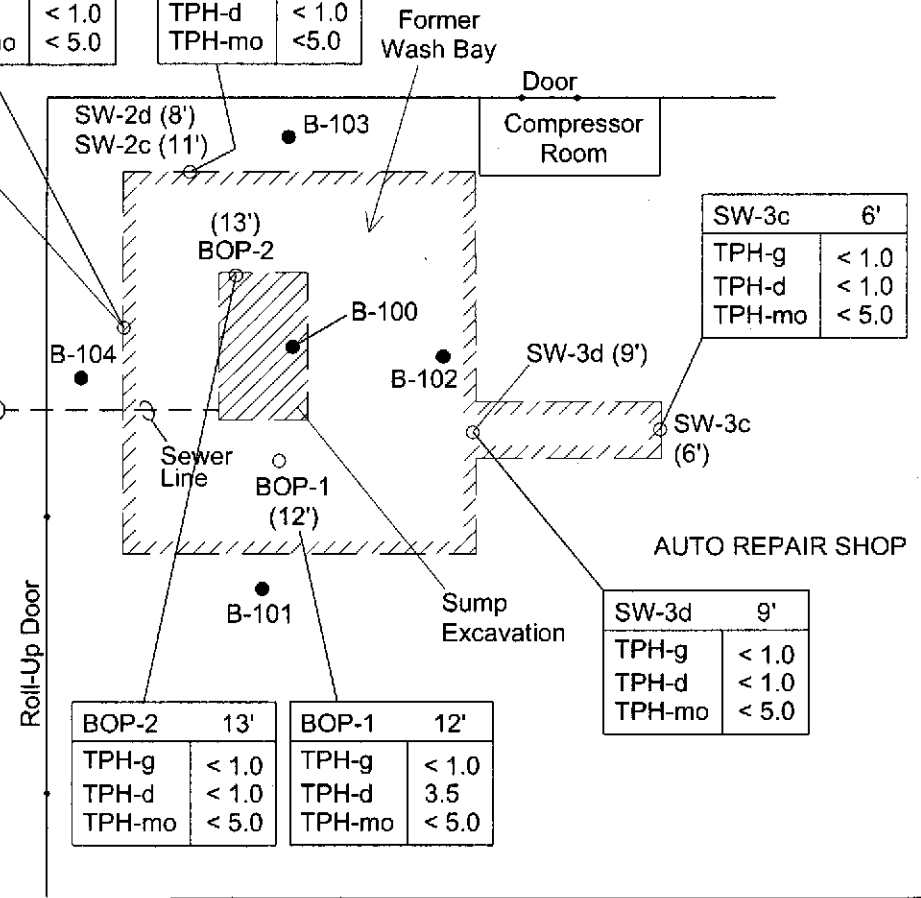
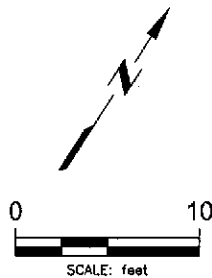
| | |
|--------|-------|
| OP-2 | 11' |
| TPH-g | < 1.0 |
| TPH-d | < 1.0 |
| TPH-mo | < 5.0 |

| | |
|--------|------|
| OP-1 | 3.5' |
| TPH-g | 230 |
| TPH-d | 300 |
| TPH-mo | 160 |

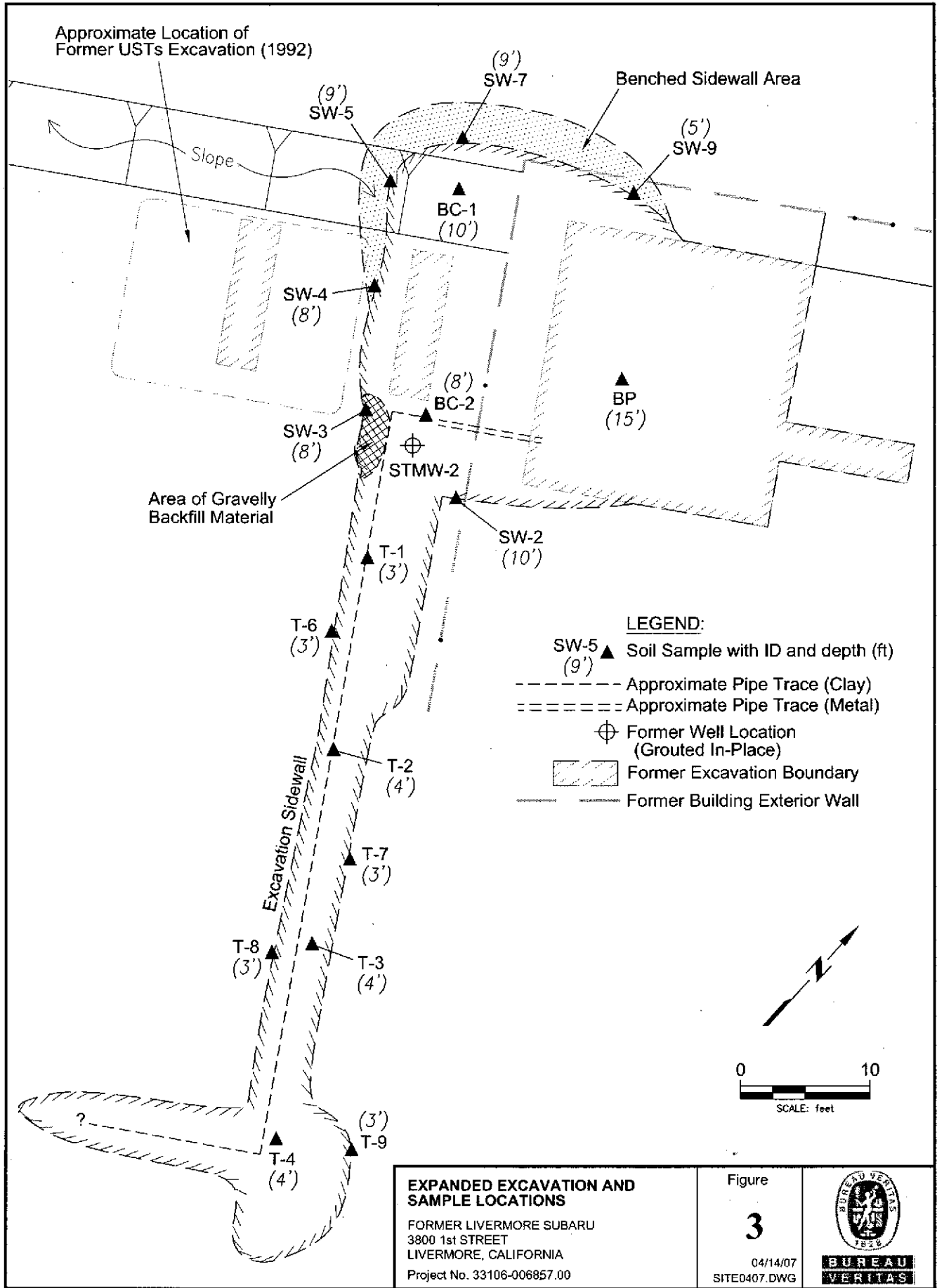
| | |
|--------|-------|
| BOP-2 | 13' |
| TPH-g | < 1.0 |
| TPH-d | < 1.0 |
| TPH-mo | < 5.0 |

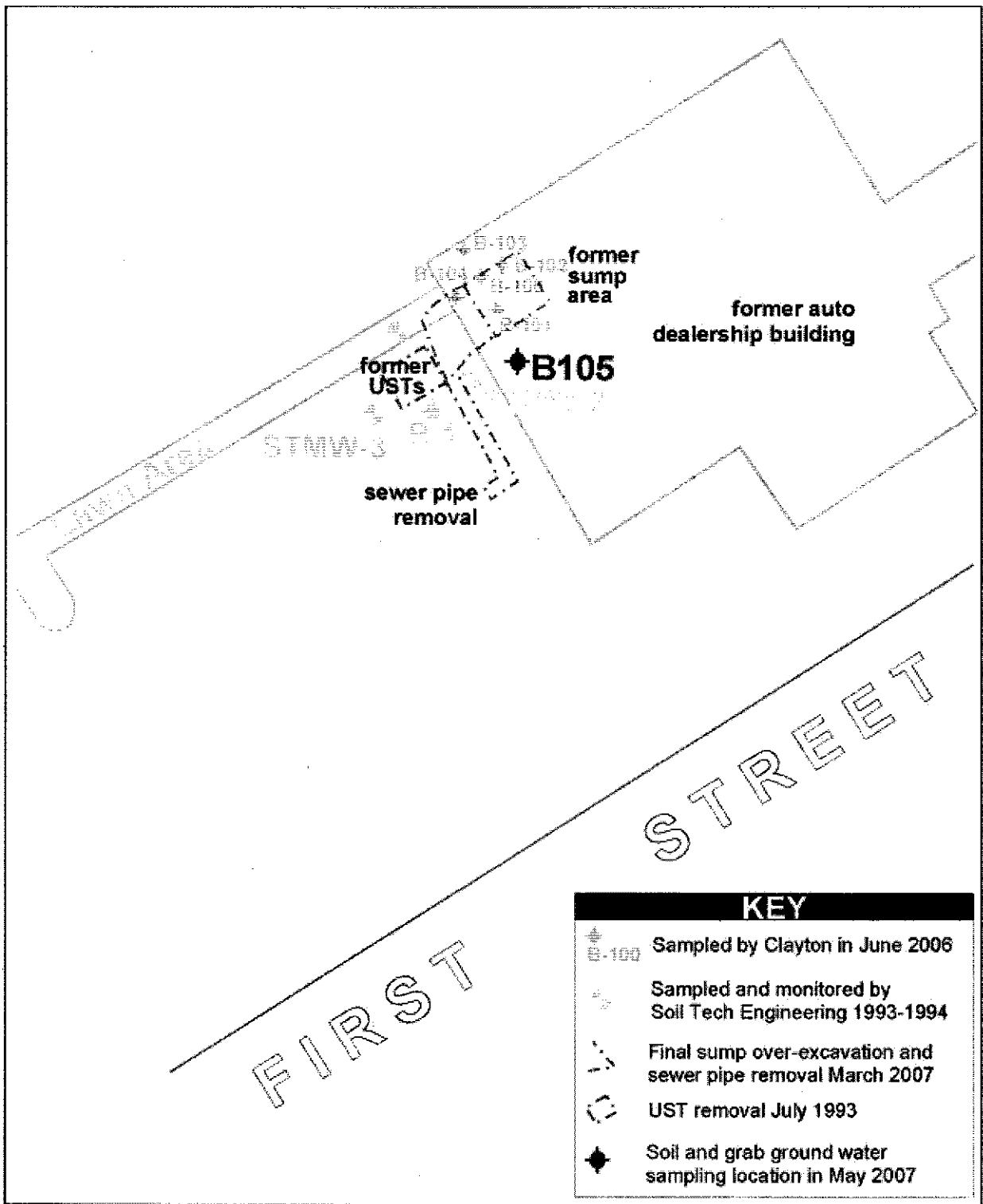
| | |
|--------|-------|
| BOP-1 | 12' |
| TPH-g | < 1.0 |
| TPH-d | 3.5 |
| TPH-mo | < 5.0 |

| | |
|--------|-------|
| SW-3d | 9' |
| TPH-g | < 1.0 |
| TPH-d | < 1.0 |
| TPH-mo | < 5.0 |



| | | |
|---|--------------|------------------------------|
| <p>PETROLEUM HYDROCARBON CONCENTRATIONS IN SOIL</p> <p>LIVERMORE SUBARU-HONDA 3800 1st STREET LIVERMORE, CALIFORNIA Clayton Project No. 33106-006703.01</p> | Figure | <p>BUREAU VERITAS</p> |
| | 4 | |
| | 08/15/06 | |
| | SITE0806.DWG | |
| | | |






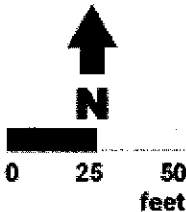
| | | |
|---|---|--|
|  Mark Armstrong Geology environmental service |  0 25 50 feet | <p>Figure 1 Bore Hole B105 Location 3800 First Street Livermore, California</p> |
|---|---|--|

Table 1
Summary of Soil Results for TOG, TPH, VOCs, and Luft Metals
Former Livermore Subaru, Livermore, CA

| Analytical Method | Units | Sample ID, Depth (ft.), and Date | | | | | | | | | | | | | | | | | ESLs Residential Table A | CHHSLs Residential Dry Soil | | |
|--|-------|----------------------------------|-------------|------------|-------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------------------------|-----------------------------------|--|--|
| | | BP 15' | BC-1 10' | BC-2 8' | SW-2 10' | SW-3 8' | SW-4 8' | SW-5 9' | SW-7 9' | SW-9 5' | T-1 3' | T-2 4' | T-3 4' | T-4 4' | T-6 3' | T-7 3' | T-8 3' | T-9 3' | | | | |
| Oil and Grease | | | | | | | | | | | | | | | | | | | | | | |
| Hexane Extractable - Silica Gel Treatment | | | | | | | | | | | | | | | | | | | | | | |
| SW9071B | mg/Kg | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | 170 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | NE | NE | | |
| Total Petroleum Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| Method 8015C | | | | | | | | | | | | | | | | | | | | | | |
| TPH as gasoline | mg/Kg | < 1.0 | < 1.0 | < 1.0 | 4.0 | < 1.0 | 2.4 | < 1.0 | < 1.0 | < 1.0 | 5.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 100 | NE | | |
| TPH as diesel | mg/Kg | < 1.0 | < 1.0 | < 1.0 | 8.4 | 1.5 | 2.1 | < 1.0 | < 1.0 | < 1.0 | 25 | 1.1 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 100 | NE | | |
| TPH as motor oil | mg/Kg | 6.2 | < 5.0 | < 5.0 | 10 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | 46 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | 500* | NE | | |
| VOCs | | | | | | | | | | | | | | | | | | | | | | |
| Method 8260B | mg/Kg | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | Varies | Varies | | |
| Total Metals (LUFT 5) - 6010C | | | | | | | | | | | | | | | | | | | | | | |
| Cadmium | mg/Kg | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | 1.7 | 1.7 | | |
| Chromium | mg/Kg | 100 | 90 | 92 | 82 | 90 | 100 | 110 | 91 | 76 | 91 | 87 | 100 | 73 | 110 | 95 | 95 | 150 | 58 | 100000 | | |
| Lead | mg/Kg | 11 | 14 | 11 | 8.9 | 8.4 | 12 | 6.9 | 8.7 | 7.1 | 11 | 13 | 9.9 | 8.2 | 11 | 11 | 11 | 7.7 | 150 | 150 | | |
| Nickel | mg/Kg | 270 | 270 | 230 | 190 | 230 | 280 | 300 | 220 | 180 | 190 | 220 | 220 | 160 | 210 | 260 | 180 | 260 | 150 | 1600 | | |
| Zinc | mg/Kg | 68 | 73 | 63 | 47 | 52 | 66 | 53 | 51 | 40 | 62 | 58 | 54 | 43 | 45 | 55 | 48 | 42 | 600 | 23000 | | |

Legend

mg/Kg = Milligrams per kilogram

<50 = Less than the laboratory reportable detection limit as indicated

NE = Not established

ND = Not detected above laboratory reporting detection level

ESLs = Environmental Screening Level: *Screening For Environmental Concerns At Sites with*

Contaminated Soil and Groundwater, RWQCB Interim Final - February 2005

Table A: Residential Land Use for Soil = or < 3 meters bgs - Groundwater is a potential source of drinking water

* = The Table A level for 'TPH residual fuels' includes this range of petroleum compounds

CHHSLs = California Human Health Screening Levels - Table 1 - Soil Human Health Screening, Dry Soil, Residential Land Use



Table 1
Summary of Soil Results - Soil Borings
3800 N. First Street, Livermore, CA
Clayton Project No. 33106-006703.01

| SAMPLE ID and Depth in Ft. | Date | Units | TPH as Gasoline | TPH as Diesel | TPH as Motor Oil | Volatiles Xylenes | Fuel Oxygenates |
|---------------------------------------|-------------|--------------|----------------------------|--------------------------|-----------------------------|------------------------------|----------------------------|
| B-100 6' | 6-Jun-06 | mg/Kg | 13 | 72 | 19 | 0.031 | < 0.005 |
| B-100 21.5' | 6-Jun-06 | mg/Kg | 6.5 | 16 | < 5.0 | < 0.005 | < 0.005 |
| B-101 7.5' | 6-Jun-06 | mg/Kg | < 1.0 | < 1.0 | < 5.0 | < 0.005 | < 0.005 |
| B-101 19.5' | 6-Jun-06 | mg/Kg | < 1.0 | < 1.0 | < 5.0 | < 0.005 | < 0.005 |
| B-102 7.5' | 6-Jun-06 | mg/Kg | < 1.0 | < 1.0 | < 5.0 | < 0.005 | < 0.005 |
| B-102 19.5' | 6-Jun-06 | mg/Kg | < 1.0 | < 1.0 | < 5.0 | < 0.005 | < 0.005 |
| B-103 7.5' | 6-Jun-06 | mg/Kg | < 1.0 | < 1.0 | < 5.0 | < 0.005 | < 0.005 |
| B-103 19.5 | 6-Jun-06 | mg/Kg | < 1.0 | < 1.0 | < 5.0 | < 0.005 | < 0.005 |
| B-104 7.5' | 6-Jun-06 | mg/Kg | < 1.0 | < 1.0 | < 5.0 | < 0.005 | < 0.005 |
| B-104 15.5' | 6-Jun-06 | mg/Kg | < 1.0 | < 1.0 | < 5.0 | < 0.005 | < 0.005 |

Notes:

mg/kg = milligrams per kilogram

TPH = total petroleum hydrocarbons by EPA Method 8015C

Volatiles and Fuel Oxygenates by EPA Method 8260B

<# = analyte not detected at or above the laboratory method reporting limit

Table 2
Summary of Soil Results - Excavation Sampling
3800 First Street, Livermore, CA
Clayton Project No. 33106-006703.01

| Analytical Method | Units | Sample ID, Depth (ft.), and Date | | | | | | | | | | | ESLs Residential Table A |
|--|-------|----------------------------------|--------------------------|-------------------------|--------------------------|-------------------------|--------------------------|-------------------------|-------------------------|--------------------------|-------------------------|---------------------|--------------------------------|
| | | BOP-1 12' 7/7/2006 | BOP-2 13' 7/7/2006 | SW-1d 7' 7/7/2006 | SW-1c 10' 7/7/2006 | SW-2d 8' 7/7/2006 | SW-2c 11' 7/7/2006 | SW-3d 9' 7/7/2006 | SW-3c 6' 7/7/2006 | OP-1 3.5' 7/7/2006 | OP-2 11' 7/7/2006 | SP-1a-d 7/7/2006 | |
| Total Recoverable Hydrocarbons as Oil and Grease - Method 418.1 | mg/Kg | <10 | <10 | 1,100 | <10 | 5,200 | <10 | <10 | <10 | 1,000 | <10 | 230 | NE |
| Total Petroleum Hydrocarbons Method 8015C | | | | | | | | | | | | | |
| TPH as gasoline | mg/Kg | < 1.0 | < 1.0 | 110 | < 1.0 | 1,200 | < 1.0 | < 1.0 | < 1.0 | 230 | < 1.0 | 21 | 100 |
| TPH as diesel | mg/Kg | 3.5 | < 1.0 | 170 | < 1.0 | 2,200 | < 1.0 | < 1.0 | < 1.0 | 300 | < 1.0 | 11 | 100 |
| TPH as motor oil | mg/Kg | <5.0 | <5.0 | 33 | <5.0 | 360 | <5.0 | <5.0 | <5.0 | 160 | <5.0 | 13 | 100 |
| VOCs Method 8260B | | | | | | | | | | | | | |
| sec-Butyl benzene | mg/Kg | <0.005 | <0.005 | 0.048 | <0.005 | <0.050 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0093 | NE |
| Ethylbenzene | mg/Kg | <0.005 | <0.005 | 0.031 | <0.005 | <0.050 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 3.3 |
| Isopropylbenzene | mg/Kg | <0.005 | <0.005 | 0.019 | <0.005 | <0.050 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | NE |
| 4-Isopropyl toluene | mg/Kg | <0.005 | <0.005 | 0.098 | <0.005 | <0.050 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.021 | NE |
| Naphthalene | mg/Kg | <0.005 | <0.005 | 0.11 | <0.005 | <0.050 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.071 | 0.46 |
| n-Propyl benzene | mg/Kg | <0.005 | <0.005 | 0.041 | <0.005 | <0.050 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | NE |
| 1,2,4-Trimethylbenzene | mg/Kg | <0.005 | <0.005 | 0.38 | <0.005 | <0.050 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.12 | NE |
| 1,3,5-Trimethylbenzene | mg/Kg | <0.005 | <0.005 | 0.14 | <0.005 | <0.050 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.033 | NE |
| Xylenes | mg/Kg | <0.005 | <0.005 | 0.18 | <0.005 | <0.050 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.018 | 2.3 |
| Total Metals (LUFT 5) - 6010C | | | | | | | | | | | | | |
| Cadmium | mg/Kg | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | <1.5 | 1.7 |
| Chromium | mg/Kg | 90 | 87 | 65 | 49 | 50 | 91 | 80 | 67 | 95 | 97 | 130 | 58 |
| Lead | mg/Kg | 12 | 15 | 8.5 | 11 | 8.6 | 13 | 9.3 | 9.5 | 12 | 16 | 13 | 150 |
| Nickel | mg/Kg | 230 | 270 | 160 | 190 | 110 | 250 | 200 | 170 | 230 | 300 | 250 | 150 |
| Zinc | mg/Kg | 64 | 64 | 43 | 43 | 43 | 65 | 51 | 52 | 63 | 62 | 66 | NE |

Legend

mg/Kg = Milligrams per kilogram

< 0.25 = Laboratory detection limit as indicated

NE = Not established

ESLs = Environmental Screening Level: *Screening For Environmental Concerns At Sites with Contaminated Soil and Groundwater, RWQCB Interim Final - February 2005*

Table A: Residential Land Use - Soil = or < 3 meters bgs - Groundwater is a potential source of drinking water

Table 1
Summary of Soil Sample Results
3800 First Street, Livermore, CA
Clayton Project No. 33106-006703.00

| Analytical Method | Units | Sample P-2 - 3'-3.5' 5/11/2006 | Sample P-3 - 3'-3.5' 5/11/2006 | Sample P-4 - 1'-1.5' 5/11/2006 | Sample P-5 - 2'-2.5' 5/11/2006 | ESLs Table C |
|--|--------------|---|---|---|---|-------------------------|
| Total Recoverable Hydrocarbons as Oil and Grease - Method 418.1 | mg/Kg | 24,000 | 46,000 | 62 | 86 | NE |
| Total Petroleum Hydrocarbons Method 8015 | | | | | | |
| TPH as gasoline | mg/Kg | 940 | 2,900 | 8 | < 1.0 | 100 |
| TPH as diesel | mg/Kg | 9,900 | 21,000 | 16 | 32 | 100 |
| TPH as motor oil | mg/Kg | 1,600 | 7,300 | 18 | 38 | 1000 |
| VOCs Method 8260 | | | | | | |
| n-Butyl benzene | mg/Kg | 0.46 | 0.49 | 0.0062 | <0.005 | NE |
| 1,2-Dichlorobenzene | mg/Kg | 0.17 | 0.64 | <0.005 | <0.005 | 1.1 |
| 4-Isopropyl toluene | mg/Kg | 0.27 | <0.33 | <0.005 | <0.005 | NE |
| Naphthalene | mg/Kg | 1.6 | 3.9 | 0.013 | <0.005 | 0.46 |
| 1,2,4-Trimethylbenzene | mg/Kg | 0.96 | 3.4 | 0.0080 | <0.005 | NE |
| 1,3,5-Trimethylbenzene | mg/Kg | 0.30 | 1.1 | <0.005 | <0.005 | NE |
| Xylenes | mg/Kg | 0.65 | 4.7 | <0.005 | <0.005 | NE |
| Total Metals (LUFT 5) | | | | | | |
| Cadmium | mg/Kg | < 1.5 | < 1.5 | < 1.5 | < 1.5 | 38 |
| Chromium | mg/Kg | 81 | 100 | 120 | 81 | 58 |
| Lead | mg/Kg | 30 | 57 | 7.6 | 7.6 | 750 |
| Nickel | mg/Kg | 130 | 180 | 270 | 140 | 1000 |
| Zinc | mg/Kg | 90 | 120 | 54 | 50 | NE |

Legend

mg/Kg = Milligrams per kilogram

< 0.25 = Laboratory detection limit as indicated

NE = Not established

ESLs = Environmental Screening Level: *Screening For Environmental Concerns At Sites with Contaminated Soil and Groundwater, RWQCB Interim Final - February 2005*

Table C: Residential Land Use - Groundwater (>3 meter bgs) is a potential source of drinking water.

TABLE 2
Grab-Groundwater Analytical Results
3800 First Street, Livermore, CA
Clayton Project No. 33106-006703.00

| Analytical Method | Units | Sample W-1 5/11/2006 | ESLs Table C |
|--|-------|----------------------------|-----------------|
| Total Recoverable Hydrocarbons as Oil and Grease - Method 418.1 | mg/L | 6,000 | NE |
| Total Petroleum Hydrocarbons Method 8015 | | | |
| TPH as gasoline | ug/L | 3,200 | 500 |
| TPH as diesel | ug/L | 640,000 | 640 |
| TPH as motor oil | ug/L | 94,000 | 640 |
| VOCs Method 8260 | | | |
| n-Butyl benzene | ug/L | 17 | NE |
| Ethylbenzene | ug/L | 11 | 30 |
| Isopropylbenzene | ug/L | 4.5 | NE |
| 4-Isopropyl toluene | ug/L | 13 | NE |
| Naphthalene | ug/L | 48 | 17 |
| n-Propyl benzene | ug/L | 6.7 | NE |
| Toluene | ug/L | 3.6 | 40 |
| Trichloroethene | ug/L | 2.8 | 5 |
| 1,2,4-Trimethylbenzene | ug/L | 45 | NE |
| Xylenes | ug/L | 81 | NE |
| Total Metals (LUFT 5) | | | |
| Cadmium | ug/L | < 0.25 | 1.1 |
| Chromium | ug/L | 13 | 50 |
| Lead | ug/L | 1.3 | 2.5 |
| Nickel | ug/L | 110 | 8.2 |
| Zinc | ug/L | 39 | NE |

Legend

mg/L = Milligrams per liter

ug/L = Micrograms per liter

< 0.25 = Laboratory detection limit as indicated

NE = Not established

ESLs = Environmental Screening Level: *Screening For Environmental Concerns At Sites
Contaminated Soil and Groundwater, RWQCB Interim Final - February 2005*

Table C: Groundwater (>3 meter bgs) is a potential source of drinking water



Armstrong, RG6134

Papineau, REA791

3800 First Street Livermore, California

SLIC Case RO0002928 Geotracker Global ID T06019745871

TABLE 1
ANALYTICAL RESULTS FOR SOIL & GROUND WATER SAMPLES

Date of Last Revision: 5/31/2007

| Sample ID | Sample Depth Interval (feet) | Halogenated Volatile Organic ^a & Volatile Organic Compounds (mg/kg, soil) (µg/L, water) | | | | Petroleum-Range Hydrocarbons (mg/kg, soil) (µg/L, water) | |
|--|--|--|---------|-------|--------------------|--|-----------------|
| | | 1,2-DCA | EDB | MtBE | BTEX | TPHg | TPHd |
| SOIL SAMPLES, May 24, 2007 | | | | | | | |
| B105-5 | 4.5 to 5 | ND | ND | ND | ND | ND | ND |
| | ESL (<3 m) | 0.0045 | 0.00033 | 0.023 | 0.044 ^b | 100 | 100 |
| B105-19.5 | 19 to 19.5 | ND | ND | ND | ND | ND | ND |
| B105-26 | 25.5 to 26 | ND | ND | ND | ND | ND | ND |
| B105-36.5 | 36-36.5 | ND | ND | ND | ND | ND | ND |
| | ESL (>3 m) | 0.0045 | 0.00033 | 0.023 | 0.044 ^b | 100 | 100 |
| | Reporting limit | 0.005 | 0.005 | 0.005 | 0.005 | 0.25 | 1 |
| GRAB GROUND WATER SAMPLE, May 30, 2007 | | | | | | | |
| B105W | 38 | ND | ND | ND | ND | ND | 69 ^c |
| | ESL | 0.5 | 0.05 | 5 | 1 ^b | 100 | 100 |
| | Reporting limit | 0.5 | 0.5 | 0.5 | 0.5 | 50 | 50 |
| NOTES: | | | | | | | |
| ESL | RWQCB Environmental Screening Level for residential land use, February 2005 | | | | | | |
| 1,2-DCA | 1,2-dichloroethane | | | | | | |
| EDB | 1,2-dibromoethane or ethylene dibromide | | | | | | |
| MtBE | Methyl t-butyl ether | | | | | | |
| BTEX | Benzene, toluene, ethyl benzene, xylenes | | | | | | |
| ND | None detected at or above the Reporting Limits reported by the laboratory. | | | | | | |
| a | Method 8010 Target List HVOCs were not detected in soil samples above 0.005 mg/kg or in ground water sample above 0.5 µg/L | | | | | | |
| b | Screening level for benzene | | | | | | |
| c | Laboratory annotated "no recognizable pattern." | | | | | | |
| SOURCE: | McCampbell Analytical Inc., (Cal/EPA ELAP #1644), May 29 and 31, 2007 | | | | | | |



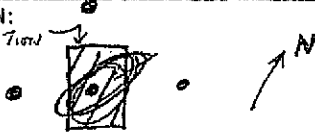
LOG OF EXPLORATORY BORING

PROJECT NO.: 33106-006703.00 DATE: 6/6/06
 CLIENT: Livermore Subaru
 LOCATION: Livermore, CA
 LOGGED BY: Adnan

BORING NO. B-100
 SHEET 1 OF 2

BORING LOCATION:

Sum P Excavation



DRILLER: ECA DRILLING METHOD: DP
 HAMMER WEIGHT: _____ DROP: _____
 BORING COMPLETION DATA: Backfilled w/ neat cement grout
 GROUND ELEVATION: _____ HOLE DIAMETER: 2"

| SAMPLE INTERVAL | SAMPLE RECOVERY (%) | SAMPLE ID | BLOWS/G IN. | PLOWM READING (ppm) | TIME | DEPTH (FT) | GRAPHIC LOG | USCS SYMBOL | DEPTH TO: ▽ | | DEPTH TO: ▽ | | DESCRIPTION |
|-----------------|---------------------|-----------|-------------|---------------------|------|------------|---|-------------|-------------|------|-------------|------|---|
| | | | | | | | | | TIME | DATE | TIME | DATE | |
| | | | | | | 1 | CLAY w/ gravel and sand - 15% gravel to 2cm, ^{brown} S. angular. | CL | | | | | moist, no odor, soft |
| | | | | | | 2 | SANDY CLAY ~ 15-20% sand, Green/dark gray | CL | | | | | moist, soft, strong HC odor |
| | | | | | | 3 | | | | | | | |
| 4 | 2 | 3.5 | | 5.1 | 0005 | 4 | | | | | | | CLAY, dark green, very moist, soft, strong HC odor |
| | | | | | | 5 | | | | | | | BLACK COLOR - strong oil/HC odor |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | CLAY w/ GRAVEL - 10-20%, dark brn/brn small ^{amount} of green staining, 'damp' moist, stiff, HC odor |
| 4 | 3.5 | 7.5 | | 5.3 | 0015 | 8 | | CL | | | | | All green, saturated, very soft |
| | | | | | | 9 | | | | | | | |
| | | | | | | 10 | | | | | | | |
| | | | | | | 11 | | CL | | | | | CLAY, mostly brn with small amt of green staining, damp, stiff, HC odor present |
| | | | | | | 12 | | | | | | | 11-15' <u>no sample recovered</u> |
| | | | | | | 13 | | | | | | | |
| | | | | | | 14 | | | | | | | |
| | | | | | | 15 | | | | | | | 15-18 GRAVELLY CLAY (sluff?) green, wet, very soft (sluff?) HC odor present |
| | | | | | | 16 | | CL | | | | | |
| | | | | | | 17 | | | | | | | |
| | | | | | | 18 | | | | | | | |
| | | | | | | 19 | | | | | | | 18-19.5 - Gravelly clay (sluff?) green, wet, very soft (sluff?) HC odor present |
| 2.5 | | | | 4.3 | 1015 | 20 | | CL | | | | | GRAVEL w/ ~20% clay, wet, soft, HC odor |



LOG OF EXPLORATORY BORING

PROJECT NO.: 33106-006703.00 DATE: 6/6/06
 CLIENT: Livermore Subaru
 LOCATION: Livermore, CA
 LOGGED BY: Adrian

BORING NO. B-100
 SHEET 2 OF 2

BORING LOCATION:



DRILLER: ECA DRILLING METHOD: DP
 HAMMER WEIGHT: _____ DROP: _____
 BORING COMPLETION DATA: Backfilled w/ neat cement grout
 GROUND ELEVATION: _____ HOLE DIAMETER: 2"

| SAMPLE INTERVAL | SAMPLE # RECOVERY (%) | SAMPLE ID | BLOWS/0 IN. | PICOVM READING (ppm) | TIME | DEPTH (FT) | GRAPHIC LOG | USCS SYMBOL | DEPTH TO: ▽ | DEPTH TO: ▽ | DESCRIPTION | |
|-----------------|--------------------------|-----------|-------------|-------------------------|------|------------|-------------|-------------|-------------|-------------|-------------|-----------------------------------|
| | | | | | | | | | TIME: | DATE: | TIME: | DATE: |
| | | | | 7.7 | 1015 | 21 | | | | | | CLAY, brown, damp, stiff, no odor |
| | | | | 2.1 | 1005 | 22 | | | | | | BT @ 22' (BORING TERMINATED) |
| | | | | | | 23 | | | | | | |
| | | | | | | 24 | | | | | | |
| | | | | | | 25 | | | | | | |
| | | | | | | 26 | | | | | | |
| | | | | | | 27 | | | | | | |
| | | | | | | 28 | | | | | | |
| | | | | | | 29 | | | | | | |
| | | | | | | 30 | | | | | | |



LOG OF EXPLORATORY BORING

PROJECT NO.: 33106-006703.00 DATE: 6/16/06
 CLIENT: Livermore Subaru
 LOCATION: Livermore, CA
 LOGGED BY: Adnan

BORING NO. B-101
 SHEET 1 OF 2

BORING LOCATION:



DRILLER: ECA DRILLING METHOD: DP

HAMMER WEIGHT: _____ DROP: _____

BORING COMPLETION DATA: Backfilled w/ neat cement grout

GROUND ELEVATION: _____ HOLE DIAMETER: 2"

| SAMPLE INTERVAL | SAMPLE RECOVERY (%) | SAMPLE ID | BLOWS/6 IN. | PIDOVAM READING (ppmv) | TIME | DEPTH (FT) | GRAPHIC LOG | USCS SYMBOL | DEPTH TO: ▽ | DEPTH TO: ▽ | TIME | DATE | DESCRIPTION |
|-----------------|---------------------|-----------|-------------|------------------------|------|------------|-------------|-------------|-------------|-------------|------|------|---|
| | | | | | | 0 | | | | | | | CONCRETE |
| | | | | | | 1 | //// | CL | | | | | SANDY CLAY - ~30-40% sand, red/brn, damp, loose, no odor |
| | | | | | | 2 | //// | | | | | | |
| | | | | | | 3 | //// | | | | | | GRAVELLY CLAY - ~15% gravel, red/brn, damp, stiff, no odor |
| 4 | 3 | 3.5 | | 8.3 | 1215 | 4 | //// | | | | | | |
| | | | | | | 5 | //// | CL | | | | | |
| | | | | | | 6 | //// | | | | | | GREEN, HC odor (med) |
| | | | | | | 7 | //// | | | | | | |
| 4 | 4 | 7.5 | | 7.5 | 120 | 8 | //// | | | | | | Strong HC odor |
| | | | | | | 9 | //// | | | | | | |
| | | | | | | 10 | //// | | | | | | |
| | | | | | | 11 | //// | | | | | | Red/brn slight HC odor |
| 4 | 3.5 | 11.5 | | 3.1 | 125 | 12 | //// | CL | | | | | CLAY, red/brn, damp, soft, no odor |
| | | | | | | 13 | //// | | | | | | |
| | | | | | | 14 | //// | CL | | | | | SANDY CLAY - low sand, red/brn, damp, loose, slight HC odor |
| | | | | | | 15 | //// | | | | | | CLAY, red/brn, damp, stiff, no odor |
| 4 | 4 | 15.5 | | 3.3 | 1300 | 16 | //// | CL | | | | | |
| | | | | | | 17 | //// | | | | | | Sandy clay, damp, soft, slight odor (HC) |
| | | | | | | 18 | //// | | | | | | CLAY, damp, stiff, no odor |
| | | | | | | 19 | //// | | | | | | |
| 4 | 14 | 19.5 | | 2.1 | 1305 | 20 | //// | | | | | | BT @ 20' |

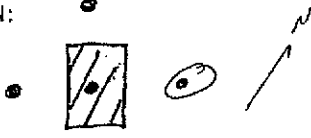


LOG OF EXPLORATORY BORING

PROJECT NO.: 33106-006703.00 DATE: 6/6/06
 CLIENT: Livermore Subaru
 LOCATION: Livermore, CA
 LOGGED BY: Adnan

BORING NO. B-102
 SHEET 1 OF 2

BORING LOCATION:



DRILLER: ECA DRILLING METHOD: DP
 HAMMER WEIGHT: _____ DROP: _____
 BORING COMPLETION DATA: Backfilled w/ neat cement grout
 GROUND ELEVATION: _____ HOLE DIAMETER: 2"

| SAMPLE INTERVAL | SAMPLE FT. RECOVERY (%) | SAMPLE ID | BLOWS/6 IN. | PERFORM READING (ppm) | TIME | DEPTH (FT) | GRAPHIC LOG | USCS SYMBOL | DEPTH TO: ∇ | DEPTH TO: ∇ | TIME | DATE | DESCRIPTION |
|-----------------|-------------------------|-----------|-------------|-----------------------|------|------------|-------------|-------------|--------------------|--------------------|------|------|---|
| | | | | | | 0 | | | | | | | Concrete |
| | | | | | | 1 | /// | U | | | | | CONCRETE |
| | | | | | | 2 | /// | | | | | | SANDY CLAY ~15-20% SAND, red/brown damp, loose/soft |
| | | | | | | 3 | /// | | | | | | no odor |
| 4 | 3.5 | 3.5 | | 257 | 1145 | 4 | /// | U | | | | | GRAVELLY CLAY ~15-20% GRAVEL, red/brown, damp, loose/soft |
| | | | | | | 5 | /// | | | | | | no odor |
| | | | | | | 6 | /// | | | | | | GREEN COLOR - slight HC odor |
| | | | | | | 7 | /// | | | | | | odor increases w/ depth to ~9' |
| 4 | 4 | 7.5 | | 124 | 1200 | 8 | /// | | | | | | HC odor - med |
| | | | | | | 9 | /// | | | | | | |
| | | | | | | 10 | /// | | | | | | Red/brown, slight HC odor |
| | | | | | | 11 | /// | | | | | | |
| 4 | 4 | 11.5 | | 80 | 1210 | 12 | /// | | | | | | |
| | | | | | | 13 | /// | | | | | | |
| | | | | | | 14 | /// | | | | | | No odor |
| | | | | | | 15 | /// | | | | | | CLAY, brown, damp, med stiff, no odor |
| 4 | 4 | 15.5 | | 142 | 1215 | 16 | /// | U | | | | | |
| | | | | | | 17 | /// | | | | | | |
| | | | | | | 18 | /// | | | | | | |
| | | | | | | 19 | /// | | | | | | |
| 4 | 4 | 19.5 | | 148 | 1210 | 20 | /// | | | | | | BT @ 20' |

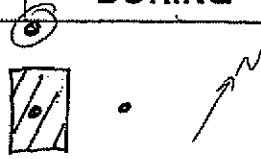


LOG OF EXPLORATORY BORING

PROJECT NO.: 33106-006703.00 DATE: 6/6/06
 CLIENT: Livermore Subaru
 LOCATION: Livermore, CA
 LOGGED BY: Adnan

BORING NO. B-103
 SHEET 1
 OF 2

BORING LOCATION:



DRILLER: ECA DRILLING METHOD: DP
 HAMMER WEIGHT: _____ DROP: _____
 BORING COMPLETION DATA: Backfilled w/ neat cement grout
 GROUND ELEVATION: _____ HOLE DIAMETER: 2"

| SAMPLE INTERVAL | SAMPLE FT. RECOVERY (%) | SAMPLE ID | BLOWS/6 IN. | PIEDOM READING (ppm) | TIME | DEPTH (FT) | GRAPHIC LOG | USCS SYMBOL | DEPTH TO: ▽ | | DEPTH TO: ▼ | | DESCRIPTION |
|-----------------|-------------------------|-----------|-------------|----------------------|------|------------|-------------|-------------|-------------|------|-------------|------|--|
| | | | | | | | | | TIME | DATE | TIME | DATE | |
| | | | | | | | | | | | | | CEMENT GRAVEL ~25% |
| | | | | | | 1 | /// | CU | | | | | SANDY GRAVELLY CLAY, brn, sand ~10%, S. damp, loose no odor |
| | | | | | | 2 | /// | | | | | | |
| | | | | | | 3 | /// | | | | | | |
| 4 | 3.5 | 3.5 | | 1.2 | 1100 | 4 | /// | | | | | | |
| | | | | | | 5 | /// | | | | | | Slight HC odor |
| | | | | | | 6 | /// | | | | | | |
| | | | | | | 7 | /// | | | | | | |
| 4 | 4 | 7.5 | | 17.4 | 1110 | 8 | /// | | | | | | |
| | | | | | | 9 | /// | | | | | | |
| | | | | | | 10 | /// | | | | | | Slight gray green staining slight HC odor |
| | | | | | | 11 | /// | | | | | | |
| 4 | 4 | 11.5 | | 5.0 | 1120 | 12 | /// | CL | | | | | CLAY, brn w/ orange mottling, damp, stiff, no odor |
| | | | | | | 13 | /// | | | | | | |
| | | | | | | 14 | /// | | | | | | Unable to remove from steel tube (SLEEVE JAMMED) |
| | | | | | | 15 | /// | | | | | | |
| | | | | | | 16 | /// | | | | | | |
| | | | | | | 17 | /// | CO | | | | | CLAY, brn, damp - stiff, no odor |
| | | | | | | 18 | /// | | | | | | |
| | | | | | | 19 | /// | | | | | | |
| 4 | 4 | 19.5 | | 3.2 | 1135 | 20 | /// | | | | | | |

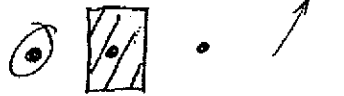


LOG OF EXPLORATORY BORING

PROJECT NO.: 33106-006703.00 DATE: 6/6/06
 CLIENT: Livermore Subaru
 LOCATION: Livermore, CA
 LOGGED BY: Adnan

BORING NO. B-104
 SHEET 1
 OF 2

BORING LOCATION:



DRILLER: ECA DRILLING METHOD: DP
 HAMMER WEIGHT: _____ DROP: _____
 BORING COMPLETION DATA: Backfilled w/ neat cement grout
 GROUND ELEVATION: _____ HOLE DIAMETER: 2"

| SAMPLE INTERVAL | SAMPLE FT. RECOVERY (%) | SAMPLE ID | BLOWS/6 IN. | PROVOM READING (psf) | TIME | DEPTH (FT) | GRAPHIC LOG | USCS SYMBOL | DESCRIPTION |
|-----------------|-------------------------|-----------|-------------|----------------------|------|------------|-------------|-------------|---|
| | | | | | | 0 | | | CONCRETE |
| | | | | | | 1 | | CL | GRAVELLY CLAY ~ 20% gravel, red-brn, damp, loose slight HC odor |
| | | | | | | 2 | | | |
| | | | | | | 3 | | | Gravelly sandy clay ~ 15-20% each, rest same |
| | | | | | | 4 | | | GREEN, strong HC odor |
| 4 | 3 | 35 | | 152 | 170 | 4 | | | |
| | | | | | | 5 | | | |
| | | | | | | 6 | | | |
| | | | | | | 7 | | | CLAY w/ ~ 10% sand, damp, very stiff, slight HC odor |
| 4 | 3.5 | 7.5 | | 2.7 | 185 | 7 | | CL | |
| | | | | | | 8 | | | |
| | | | | | | 9 | | | |
| | | | | | | 10 | | | |
| | | | | | | 11 | | | |
| | | | | | | 12 | | | slight green staining, slight odor |
| | | | | | | 13 | | | |
| | | | | | | 14 | | | |
| | | | | | | 15 | | | ~ 20-30% sand |
| 4 | 4 | 11.5 | | 1.9 | 170 | 15 | | | |
| | | | | | | 16 | | | |
| | | | | | | 17 | | | |
| | | | | | | 18 | | | CLAY, brn, damp, med stiff, no odor |
| | | | | | | 19 | | | |
| 4 | 4 | 19.5 | | 1.6 | 170 | 19 | | CL | |
| | | | | | | 20 | | | BT @ 20' |

| DRILL RIG: HEWCME-75 | | SURFACE ELEVATION: est. 540 ft | | DATE DRILLED: 5/24/2007 | | WELL CONSTRUCTION |
|--|--|--------------------------------|----------|-----------------------------------|-----------|-------------------|
| BORE HOLE DIAMETER (INCHES): 8 | | ELEVATION: est. 540 ft | | LOGGED BY: MP REVIEWED BY: RMA | | |
| SOIL DESCRIPTION & CLASSIFICATION | | | | | | |
| DEPTH (FEET) | SOIL TYPE | SAMPLE | BLOWS/FT | PID READING (PPM) | REMARKS | |
| 0 | Bare ground Strong brown (7.5YR5/6) sandy silty CLAY damp | CL | | 0.0 | | |
| | Light olive brown (2.5Y5/3) clayey SAND with gravel, mottled with strong brown (7.5 YR5/6) clay, damp | SC | 19 | 0.0 | | |
| | | | 28 | 0.0 | B105-5 | |
| 5 | Light olive brown (2.5Y5/4) clayey SILT with fine (1 mm) angular gravel | | 17 | 0.0 | | |
| | | | 23 | 0.0 | B105-8.5 | |
| 10 | Light olive brown (2.5Y5/4) clayey SILT mottled (7%) dark olive brown (2.5Y3/2) damp | ML | | 0.0 | | |
| | | | 14 | 0.0 | | |
| | | | 16 | 0.0 | B105-15 | |
| 15 | Light olive brown (2.5Y5/4) clayey SILT mottled (7%) dark olive brown (2.5Y3/2) damp | | 12 | | | |
| | ↓ increasing clay | | 19 | 0.0 | | |
| | | | 25 | | | |
| | | | 27 | 0.0 | | |
| | Light olive brown (2.5Y5/4) silty CLAY, no mottling, damp | | 10 | | | |
| | | | 15 | 0.0 | B105-19.5 | |
| 20 | Light olive brown (2.5Y5/4) and yellowish-brown (10YR 5/6) silty CLAY, mottled (5%) dark olive brown (2.5Y3/2), damp | CL | 12 | 0.0 | | |
| | | | 22 | 0.0 | | |
| | | | 31 | | | |
| | ↓ increasing silt | | 37 | 0.0 | | |
| | | | 13 | | | |
| | | | 21 | 0.0 | B105-24 | |
| | Light yellowish-brown (2.5Y6/3) clayey SILT | ML | 11 | 0.0 | | |



Armstrong, RG6134



Papineau, REA791

EXPLORATORY SOIL BORING LOG

PROJECT LOCATION:

3800 First Street Livermore, CA

BORING No.

B105

PROJECT No.
2007-023

DATE
5/24/2007

| DRILL RIG: HEWCME-75 | | SURFACE | | DATE DRILLED: 5/24/2007 | | WELL CONSTRUCTION |
|--|---|------------------------|----------|-----------------------------------|--|-------------------|
| BORE HOLE DIAMETER (INCHES): 8 | | ELEVATION: est. 540 ft | | LOGGED BY: MP REVIEWED BY: RMA | | |
| SOIL DESCRIPTION & CLASSIFICATION | | | | | | |
| DEPTH (FEET) | SOIL TYPE | SAMPLE | BLOWS/FT | PID READING (PPM) | REMARKS | |
| 25 | Light yellowish-brown (2.5Y6/3) clayey SILT mottled (5%) dark olive brown (2.5Y3/2), moist | ML | 12 | 0.0 | B105-26 | |
| | | | 30 | | | |
| | Light yellowish-brown (2.5Y6/3) and dark yellowish-brown (10YR4/4) silty CLAY, mottled (5%) 2.5Y3/2, damp | CL | 13 | 0.0 | | |
| | | | 20 | 0.0 | B105-28.5 | |
| | | | 13 | 0.0 | | |
| 30 | Yellowish-brown (10YR5/4) sandy clayey SILT, mottled (5%) 2.5Y3/2, damp | | 21 | 0.0 | B105-30 | |
| | | ML | | | | |
| | ↓ decreasing clay | | | | | |
| 35 | | | 9 | 0.0 | | |
| | | | 17 | 0.0 | B105-36.5 | |
| | Light olive brown (2.5YR 5/3) SAND, wet | SM | 33 | 0.0 | Free water on May 24. Waited 1 hour but no water developed in the bore hole. | |
| | Light yellowish-brown (2.5Y6/3) and brownish-yellow (10YR6/6) sandy silty CLAY mottled (5%) 2.5Y3/2, damp | | 50 | 0.0 | | |
| 40 | | | 22 | 0.0 | | |
| | Light olive brown (2.5Y5/4) sandy gravely CLAY, mottled (5%) 2.5Y3/2, with rounded gravel to 5 mm, damp | CL | 62 | 0.0 | B105-41.5 | |
| 45 | with rounded gravel to 10 mm | | 17 | 0.0 | | |
| | Light yellowish-brown (2.5Y6/3) and yellowish-brown (10YR5/4) silty CLAY, mottled (5%) 2.5Y3/2, no gravel, damp | | 39 | 0.0 | B105-46.5 | |
| | | | 15 | 0.0 | | |
| | | | 23 | 0.0 | | |
| | | | 18 | 0.0 | | |
| | mottled (1%) 2.5Y3/2, moist | | 32 | 0.0 | | |

| | | | | |
|---|--|---|--|---------------------------|
|  Armstrong, RG6134 |  Papineau, REA791 | EXPLORATORY SOIL BORING LOG | | BORING No. B105 |
| | | PROJECT LOCATION: 3800 First Street Livermore, CA | | |
| PROJECT No. 2007-023 | | DATE 5/24/2007 | | |

| SOIL DESCRIPTION & CLASSIFICATION | | SAMPLE | BLOWS/FT | PID READING (PPM) | REMARKS | WELL CONSTRUCTION |
|-----------------------------------|---|--------|----------|-------------------|---|-------------------|
| DEPTH (FEET) | SOIL TYPE | | | | | |
| 50 | Light yellowish-brown (2.5Y6/3) silty CLAY, mottled (1%) 2.5Y3/2, moist | CL | 18 | 0.0 | | |
| | | | 20 | 0.0 | | |
| | Light olive brown (2.5Y 5/3) sandy SILT damp | ML | 12 | 0.0 | B105-53.5 | |
| | | | 16 | 0.0 | | |
| 55 | Light yellowish-brown (2.5Y6/3) sandy CLAY hard, damp | CL | 50 | 0.0 | B105-57 | |
| | | | 50 | 0.0 | | |
| | | | 50 | 0.0 | | |
| | | | 50 | 0.0 | | |
| 60 | | | | | Terminated at 58.5 feet at 14:00 hours. Left site at 16:30 hours. No ground water in bore hole. Resumed work on May 30. | |
| 65 | | | | | | |
| 70 | | | | | | |

| | | | | |
|---|---|--|-------------------|---------------------------|
|  |  | EXPLORATORY SOIL BORING LOG | | BORING No. B105 |
| | | PROJECT LOCATION: 3800 First Street Livermore, CA | | |
| Armstrong, RG6134 | Papineau, REA791 | PROJECT No. 2007-023 | DATE 5/24/2007 | |