

**RECEIVED**

By Alameda County Environmental Health at 2:02 pm, Apr 13, 2015

Mr. Jerry Wickham  
Alameda County  
Environmental Health Department  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577


Re: B&C Gas Mini Mart, 2008 First Street, Livermore, California  
(ACEHD Case No. RO0000278)

Dear Mr. Wickham:

Stratus Environmental, Inc. (Stratus) has recently prepared a document titled *Well Destruction Report* on my behalf. The report was prepared in regards to Alameda County Fuel Leak Case No. RO0000278, located at 2008 First Street, Livermore, California.

I have reviewed a copy of this report, sent to me by representatives of Stratus, and "I declare, under penalty of perjury, that the information and or/recommendations contained in the attached document or report is true and correct to the best of my knowledge."

Sincerely,



Balaji Angle  
B&C Gas Mini Mart



3330 Cameron Park Drive, Ste 550  
Cameron Park, California 95682  
(530) 676-6004 ~ Fax: (530) 676-6005

April 10, 2015  
Project No. 2146-2008-01

Mr. Jerry Wickham, P.G.  
Alameda County Environmental Health Department  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502

Re: Well Destruction Report  
B&C Gas Mini Mart  
2008 First Street  
Livermore, California

Dear Mr. Wickham:

On behalf of Mr. Balaji Angle, Stratus Environmental, Inc. (Stratus) has prepared this *Well Destruction Report* for the B&C Gas Mini Mart, located at 2008 First Street, Livermore, California (the site, see Figures 1 through 3). Petroleum hydrocarbon impact to the soil and groundwater has previously been documented at the subject property, and Alameda County Environmental Health Department (ACEHD) currently regulates an environmental case for the site. In a letter dated December 4, 2014, ACEHD indicated that the site's network of monitoring and remediation wells could be destroyed, as part of the process of closing the site's monitoring well network. The December 2014 letter also indicated that the local water purveyor (Zone 7 Water Agency) would be given the opportunity to acquire ownership of select monitoring wells, if they so desired, as part of the environmental case closure process. Stratus recently worked with the Zone 7 Water Agency and Mr. Angle to transfer ownership of one well (D-1); a copy of the agreement for transferring ownership of this well is provided in Appendix A. All other remediation and monitoring wells installed on behalf of Mr. Angle were recently destroyed. This report documents performance of these well destruction activities.

## **WELL DESTRUCTIONS**

### **Pre-Field Activities**

Prior to mobilizing to the site, Stratus obtained drilling permits from the Zone 7 Water Agency. Encroachment permits were also obtained from the City of Livermore. Copies of these permits are provided in Appendix B. Well destruction locations were marked in advance of work and Underground Service Alert (USA), the City of Livermore, Mr. Angle,

ACEHD, and the Zone 7 Water Agency were notified of the work schedule at least 48-hours in advance of work.

### **Field Activities**

Well destruction activities were performed between February 9 and 17, 2015, and March 30 and April 1, 2015. Wells CMT-1 through CMT-4 were destroyed in February 2015 by Cascade Drilling, LP (C-57 No. 938110) in the presence of a Stratus representative. Wells CMT-1 through CMT-4 were overdrilled using a sonic drilling rig advancing 8-inch diameter drive casing. After overdrilling to total depths, the CMT-1 through CMT-4 boreholes were backfilled to surface grade using neat cement. In late March/early April 2015, All Well Abandonment (C-57 No. 848359) destroyed the other site wells (MW-2 through MW-5, MW-7 through MW-13, D-2, SVE-1, SVE-2, SVE-3A/B, SVE-4A/B, SV-MIP-8, SP-1A/B through SP-4A/B, SP-5A/B/C, and SP-6A/B/C) by pressure grouting in the presence of a Stratus representative. Vault boxes covering each former well were removed, and the ground surface was patched to match the surrounding area. The locations of the former wells are depicted on Figure 2 and/or Figure 3.

Department of Water Resources (DWR) well destruction forms have been prepared and submitted to the DWR, on behalf of Cascade Drilling and All Well Abandonment,. Copies of these forms will be provided to you upon request.

### **Waste Management**

Drill cuttings generated during the overdrilling of CMT-1 through CMT-4 were placed in a roll-off metal bin. A sample of the drill cuttings was submitted for analytical testing in order to properly profile this waste stream. Limited soil generated during the late March/early April 2015 work was placed in DOT-approved 55-gallon steel drums. Integrated Wastestream Management (IWM) of San Jose transported the waste material offsite for proper disposal. Copies of forms that pertain to the disposal of waste are provided in Appendix C. All waste associated with historical drilling and remediation work has been removed from the site.

### **Closing**

All of the activities required of Mr. Angle that pertain to the site's environmental case appear to be complete. Given this condition, Stratus is requesting that the environmental case for the site be closed, and a No Further Action Required letter be issued for the property.

## LIMITATIONS

This report was prepared in general accordance with accepted standards of care that existed at the time this work was performed. No other warranty, expressed or implied, is made. Conclusions and recommendations are based on field observations and data obtained from this work and previous investigations. It should be recognized that definition and evaluation of geologic conditions is a difficult and somewhat inexact science. Judgments leading to conclusions and recommendations are generally made with an incomplete knowledge of the subsurface conditions present. More extensive studies may be performed to reduce uncertainties. This report is solely for the use and information of our client unless otherwise noted.

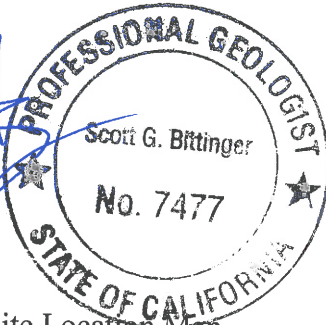
If you have any questions or comments concerning this report, please contact Scott Bittinger at (530) 676-2062.

Sincerely,

*STRATUS ENVIRONMENTAL, INC.*



Scott G. Bittinger, P.G.  
Project Manager

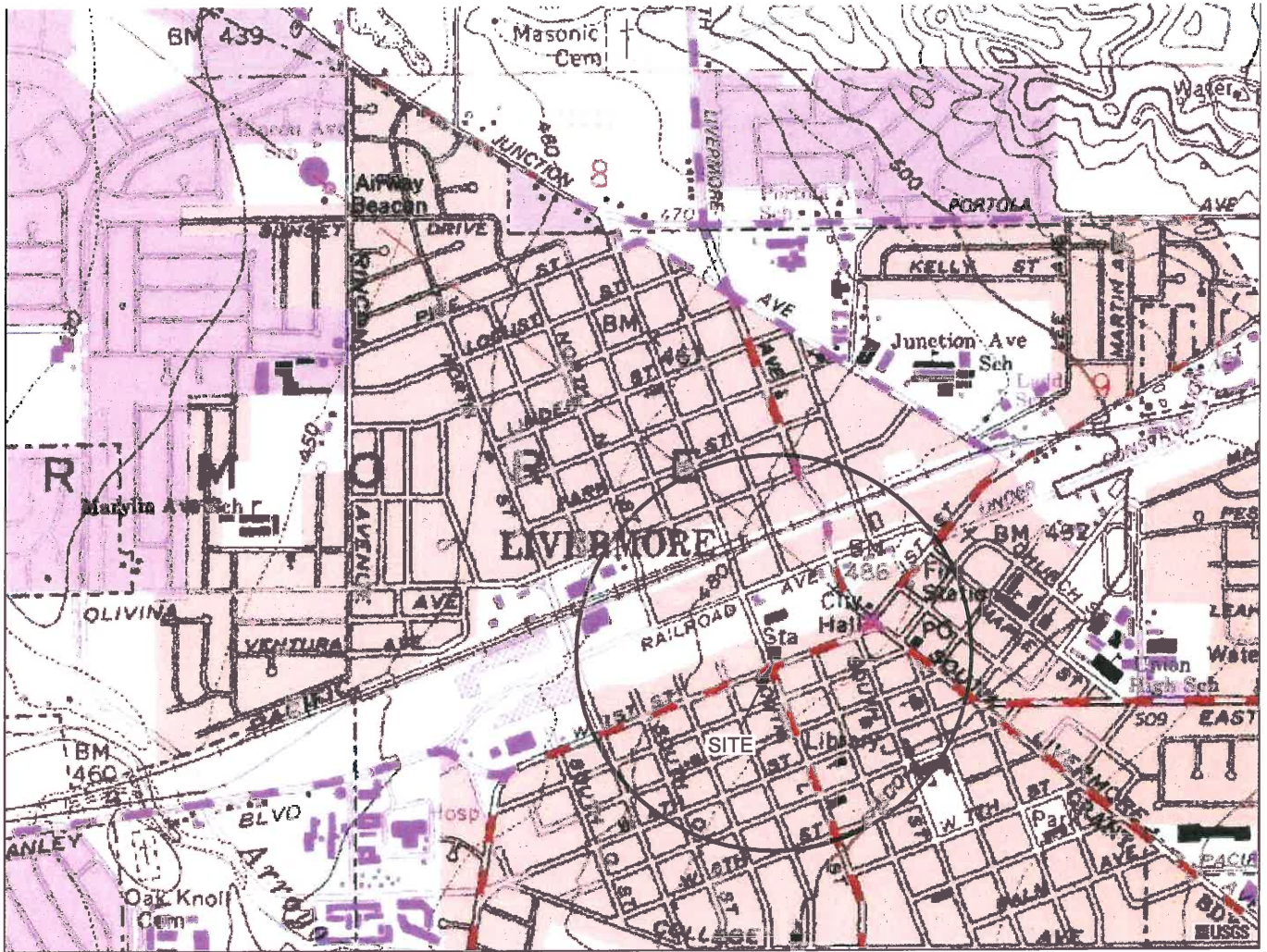


Gowri S. Kowtha, P.E.  
Principal Engineer

### Attachments:

- |            |   |
|------------|---|
| Figure 1   | Site Location Map                         |
| Figure 2   | Site Plan                                 |
| Figure 3   | Site Vicinity Map                         |
| Appendix A | Well Transfer Agreement Letter            |
| Appendix B | Encroachment Permits and Drilling Permits |
| Appendix C | Waste Disposal Information                |

cc: Mr. Balaji Angle, B&C Gas Mini Mart



GENERAL NOTES:  
 BASE MAP FROM U.S.G.S.  
 LIVERMORE, CA.  
 7.5 MINUTE TOPOGRAPHIC  
 PHOTOREVISED 1999



APPROXIMATE SCALE



QUADRANGLE LOCATION

*STRATUS*  
 ENVIRONMENTAL, INC.

B & C GAS MINI MART  
 2008 FIRST STREET  
 LIVERMORE, CALIFORNIA

SITE LOCATION MAP

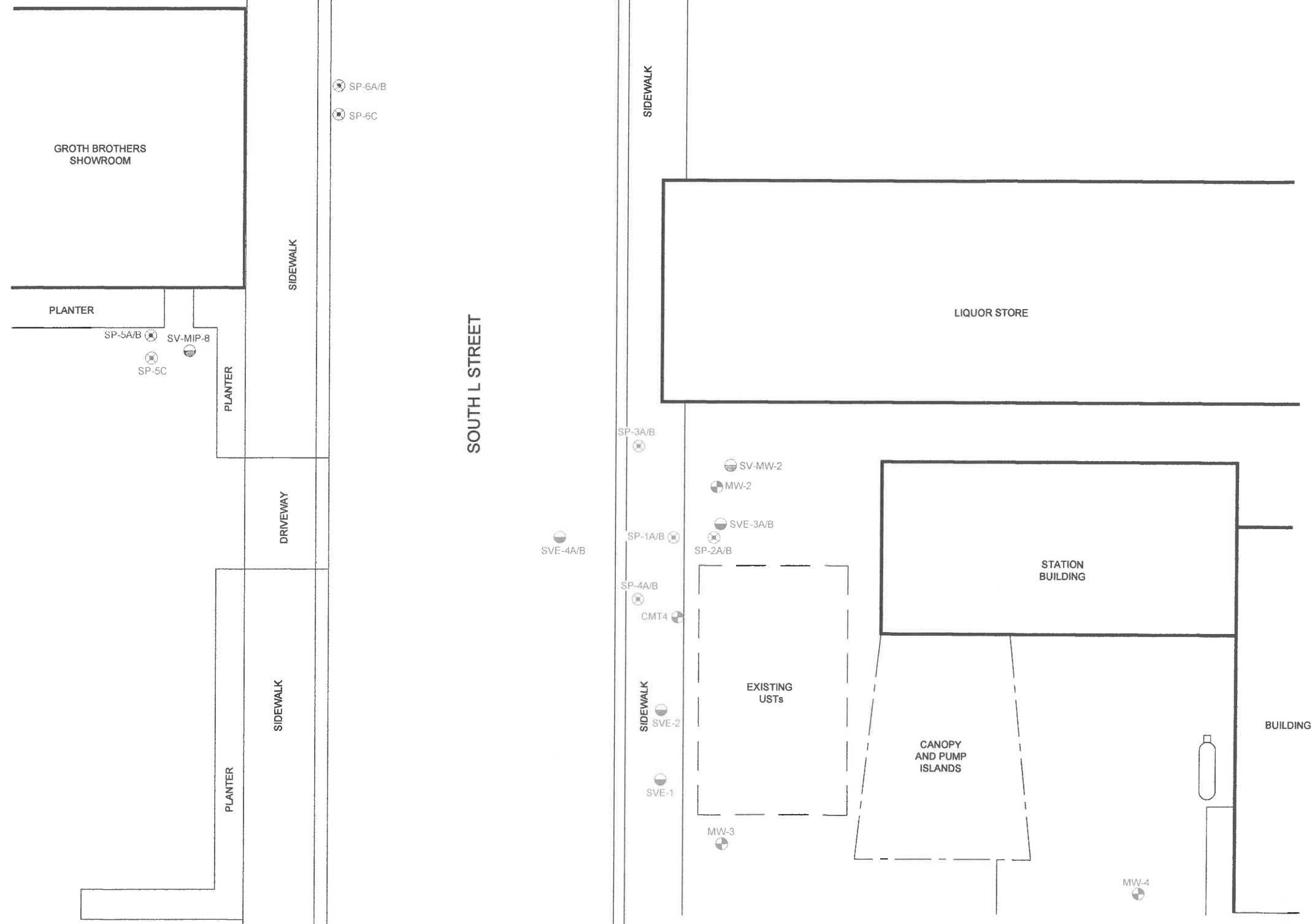
FIGURE

1

PROJECT NO.  
 2146-2008-01



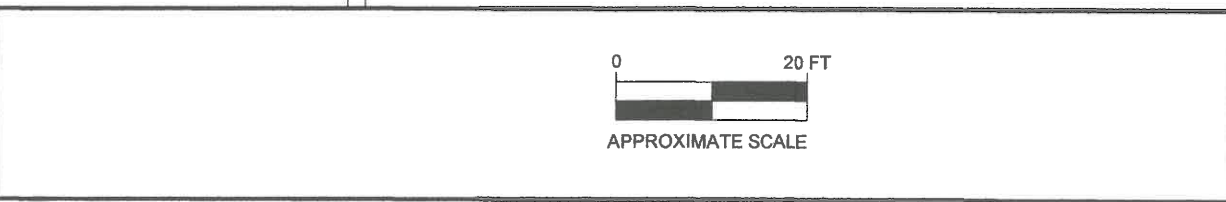
- LEGEND:**
- MW-1 DESTROYED MONITORING WELL LOCATION
  - SV-MW-2 DESTROYED SOIL VAPOR EXTRACTION WELL
  - SP-1A/B DESTROYED OZONE SPARGE WELL



NOTE: LOCATIONS OF FEATURES DEPICTED ON THIS FIGURE ARE APPROXIMATE.



PATH NAME: B&C Minimart  
 DRAFTER INITIALS: JMP  
 DATE LAST REVISED: March 23, 2015  
 FILENAME: B&C Siteplan



B & C GAS MINI MART  
 2008 1st STREET  
 LIVERMORE, CALIFORNIA

SITE PLAN

FIGURE  
 2  
 PROJECT NO.  
 2146-2008-01

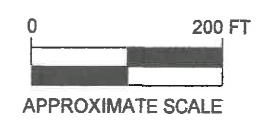


**LEGEND**

- ⊙ MW-4 DESTROYED GROUNDWATER MONITORING WELL LOCATION
- ⊙ D-1 OWNERSHIP TRANSFERRED TO ZONE 7 WATER AGENCY
- ⚠ SVE-3A/B DESTROYED SOIL VAPOR EXTRACTION WELL LOCATION
- ⊠ CWS#8 MUNICIPAL WATER SUPPLY WELL LOCATION



PATH NAME: B&C Minimart  
 DRAFTER INITIALS: JMP  
 DATE LAST REVISED: March 23, 2015  
 FILENAME: B&C Site Vicinity Map



B & C GAS MINI MART  
 2008 1st STREET  
 LIVERMORE, CALIFORNIA

SITE VICINITY MAP

FIGURE  
**3**  
 PROJECT NO.  
 2146-2008-01

**APPENDIX A**

**WELL TRANSFER AGREEMENT LETTER**



**Letter of Agreement for Transfer of Select Monitoring Well Ownership  
B&C Gasoline Station  
2008 First Street, Livermore, California**

**Background**

As part of the environmental case closure process at 2008 First Street in Livermore, California, ownership of one groundwater monitoring well (D-1, 3S/2E 8Q 8), installed on behalf of Mr. Balaji Angle, will be transferred to the Zone 7 Water Agency. The Alameda County Environmental Health Department (ACEHD) has agreed that this well ownership transfer is acceptable to the agency, and will not affect closure of the environmental case at 2008 First Street in Livermore.

**Terms of Agreement**

The parties agree to the following:

1. Transfer of ownership of groundwater monitoring well D-1 (3S/2E 8Q 8), effective March 3, 2015.
2. Zone 7 Water Agency agrees to prepare and submit California Department of Water Resources Forms transferring ownership of well D-1 (3S/2E 8Q 8), as necessary.
3. Zone 7 Water Agency will notify the City of Livermore of the well ownership transfer, since well D-1 (3S/2E 8Q 8) is located in the City right-of-way (Stratus Environmental, Inc. will also provide notification to the City of Livermore at the time of encroachment permitting to remove other monitoring wells located in the City right-of-way).
4. Zone 7 Water Agency agrees to properly plug/abandon/destroy well D-1 (3S/2E 8Q 8) at its sole expense, upon direction from the appropriate city, county, or state agency (such as the City of Livermore or the ACEHD).

B&C Gasoline Station

Zone 7 Water Agency

Balaji Angle

G.F. Duerig

By:  \_\_\_\_\_

By:  \_\_\_\_\_

Title: owner

Title: General Manager

**APPENDIX B**

**ENCROACHMENT PERMITS AND DRILLING PERMITS**



# ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306  
E-MAIL [info@zone7water.org](mailto:info@zone7water.org)

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 2008 First Street & Surrounding Areas

PERMIT NUMBER 2015030  
WELL NUMBER see attached  
APN 97-0001-024-01 & 98-0405-003-00

Coordinates Source Google Earth ft. Accuracy      ft.  
LAT: 37°40' 52.13" N ft. LONG: 122°16' 16.58" W ft.  
APN 97-0001-024-01 97-1-24-1

CLIENT Name Balaji Anje  
Address 35584 Crofton Lane Phone 910-552-4822  
City Perris Zip 94534

APPLICANT Name Stratus Environmental, Inc.  
Email shittine@stratusinc.net Fax 530-670-0005  
Address 3330 Cameron Blvd. #550 Phone 530-670-0002  
City Cameron Park Zip 95682

### TYPE OF PROJECT:

Well Construction      Geotechnical Investigation       
Well Destruction X Contamination Investigation       
Cathodic Protection      Other     

### PROPOSED WELL USE:

Domestic      Irrigation       
Municipal      Remediation       
Industrial      Groundwater Monitoring       
Dewatering      Other     

### DRILLING METHOD:

Mud Rotary      Air Rotary      Hollow Stem Auger       
Cable Tool      Direct Push      Other     

DRILLING COMPANY All Well Abandonment

DRILLER'S LICENSE NO. 848399

### WELL SPECIFICATIONS:

Drill Hole Diameter      in. Maximum       
Casing Diameter      in. Depth      ft.  
Surface Seal Depth      ft. Number     

### SOIL BORINGS:

Number of Borings      Maximum       
Hole Diameter      in. Depth      ft.

ESTIMATED STARTING DATE 3-30-15

ESTIMATED COMPLETION DATE 4-3-15

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-88.

APPLICANT'S SIGNATURE [Signature] Date 2-27-15

### PERMIT CONDITIONS (Circled Permit Requirements Apply)

- A. GENERAL
  1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
  2. Submit to Zone 7 within 80 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller.
  3. Permit is void if project not begun within 90 days of approval date.
  4. Notify Zone 7 at least 24 hours before the start of work.
- B. WATER SUPPLY WELLS
  1. Minimum surface seal diameter is four inches greater than the well casing diameter and six inches for public wells.
  2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
  3. Grout placed by tremie.
  4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
  5. A sample port is required on the discharge pipe near the wellhead.
- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
  1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
  2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
  3. Grout placed by tremie.
- D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.
- E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.
- F. WELL DESTRUCTION. See attached.
- G. SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report including all soil and water laboratory analysis results.

Approved [Signature] Date 3/17/15  
Wyman Hong

ATTACH SITE PLAN OR SKETCH

Revised: May 17, 2011

March 24, 2015

**Zone 7  
Water Resources Engineering  
Groundwater Protection Ordinance**

**B&C Gas Mini Mart (Balaji Angle)  
1339 North Vasco Road  
Livermore**

**Wells MW-2 TO MW-5, MW-7 TO MW-13, D-2, (MS)MW-1, SP-1A/B, SP-2A/B, SP-3A/B, SP-4A/B, SP-5A/B/C, SP-6A/B/C, SVE-2, SVE-3A1B, SVE-4A1B, SVE-5A/B/C, SP-6A/B/C, SVE-1, SVE-2, SVE-3A1B, SVE-4A1B & SV-MIP-8  
Permit 2015030**

**Destruction Requirements:**

1. Remove from the well any pump, appurtenances, debris, or other materials.
2. Sound the well **as** deeply as practicable and record for your report.
3. Fill casing with neat cement or cement grout sealing material to two feet below the finished grade and pressurize to 25 psi and maintain for 5 minutes, forcing the sealing material through the existing perforations and into the surrounding formation.
4. Release the pressure and refill the empty portion of the casing with grouting material allowing it to spill over the top of the casing to form a cap.
5. Cut and remove any casing(s) to two feet below the finished grade or original ground, whichever is the lower elevation (optional).
6. After the seal has set, backfill the remaining hole with compacted material.



# ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306  
E-MAIL [whong@zone7water.com](mailto:whong@zone7water.com)

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 2008 1st Street, 1620 Railroad Ave.,  
1784 Railroad Avenue, Livermore

PERMIT NUMBER 2014190  
WELL NUMBER 3S/2E-8Q14 to 8Q16 & 8R30  
APN 97-0001-024-01, 98-0290-001-11 & 001-16

Note: building address is 1748 Railroad, Assessor's office  
Coordinates Source Google Earth ft. Accuracy ft.  
LAT: 37° 41' 32.13" N ft. LONG: 122° 41' 4.50" W ft. (onsite)  
APN 97-124-1, 98-001-11, 98-240-1-11

PERMIT CONDITIONS  
(Circled Permit Requirements Apply)

CLIENT  
Name Balaji Anke  
Address 35584 Conover Lane Phone 510-552-4822  
City Fremont Zip 94534

- A. GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
  2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller.
  3. Permit is void if project not begun within 90 days of approval date.
  4. Notify Zone 7 at least 24 hours before the start of work.

APPLICANT  
Name Stratus Environmental, Inc.  
Email skittinger@stratusinc.com Fax 530-676-6025  
Address 3330 Cameron Park Dr. #550 Phone 530-676-2027  
City Cameron Park Zip 95602

- B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
  2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
  3. Grout placed by tremie.
  4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
  5. A sample port is required on the discharge pipe near the wellhead.

TYPE OF PROJECT:  
Well Construction  Geotechnical Investigation   
Well Destruction  Contamination Investigation   
Cathodic Protection  Other

PROPOSED WELL USE:  
Domestic  Irrigation   
Municipal  Remediation   
Industrial  Groundwater Monitoring   
Dewatering  Other

DRILLING METHOD:  
Mud Rotary  Air Rotary  Hollow Stem Auger   
Cable Tool  Direct Push  Other Sonic

DRILLING COMPANY Cascade Drilling

DRILLER'S LICENSE NO. 938110

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
  2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
  3. Grout placed by tremie.

WELL SPECIFICATIONS:  
Drill Hole Diameter \_\_\_\_\_ in. Maximum  
Casing Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
Surface Seal Depth \_\_\_\_\_ ft. Number 4

- D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

SOIL BORINGS:  
Number of Borings \_\_\_\_\_ Maximum  
Hole Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.

- E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

ESTIMATED STARTING DATE \_\_\_\_\_  
ESTIMATED COMPLETION DATE \_\_\_\_\_

- F. WELL DESTRUCTION. See attached.

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Scott Buttz Date 12-17-14

Approved Wyman Hong Date 12/22/14  
Wyman Hong

ATTACH SITE PLAN OR SKETCH

December 23, 2014

**Zone 7  
Water Resources Engineering  
Groundwater Protection Ordinance**

**B & C Gas Mini Mart  
6503 Calaveras Road  
Sunol**

**Wells 3S/2E-8Q14 (CMT-1), 3S/2E-8Q15 (CMT-2), 3S/2E-8Q16 (CMT-3) & 3S/2E-8R30 (CMT-4)  
Permit 2014190**

Destruction Requirements:

1. Sound the well as deeply **as** practicable and record for your report.
2. Drill out the well so that the casing, seal, and gravel pack are removed to the bottom of the well.
3. Fill the remaining hole to **2** feet below grade with neat cement or **11 sack** sand/cement slurry with up to 6% bentonite using a tremie pipe. The end of the tremie pipe shall remain submerged in the sealing material at all times during the placement of the grout.
4. After seal **has** set, backfill the remaining hole with compacted material.

# City of Livermore

**Community Development Department**  
1052 S. Livermore Avenue  
Livermore, CA 94550  
(925) 960-4500

**Encroachment**  
Permit No. EN150076  
Type: Other

**PERMIT TO DO WORK IN ACCORDANCE WITH CHAPTER 12.08 OF THE LIVERMORE MUNICIPAL CODE AND SPECIFICATIONS AS ADOPTED BY THE CITY OF LIVERMORE AND ANY SPECIAL REQUIREMENTS SHOWN OR LISTED HEREIN.**

Permit Fee \$90.00  
Inspection Fee \$440.00

**Applicant/Permittee:**

Name: Stratus Environmental, Inc.  
Address: 3330 Cameron Park Dr. #550  
Cameron Park CA, 95682  
Phone: 530-676-2062

**Total: \$530.00**

**Contractor:**

Name:  
Address:  
Phone:



**PLEASE READ THIS PERMIT CAREFULLY. KEEP IT AT THE WORK SITE. TO ARRANGE FOR AN INSPECTION, PHONE (925) 960-4500 AT LEAST 24 HOURS BEFORE YOU START WORK.**

**JOB LOCATION: 2008 FIRST ST , # , LIVERMORE 94550**

**DESCRIPTION OF WORK: Destroy groundwater monitoring wells. Where monitoring wells occur in sidewalks remove/replace sidewalk per City Standard Details and Specifications.**  
PM# .

**Attention is directed to the General Provisions printed on the reverse side of this permit and to the attached special requirements (to be determined as needed by the Engineering Division).**

Prosecution of Work: All work authorized by the permit shall be performed in a workmanlike, diligent, and expeditious manner, and must be completed to the satisfaction of the City Engineer.

Liability and Damages: The permittee shall be responsible for all liability imposed by law for personal injury or property damage which may arise out of the work permitted and done by permittee under this permit, or which may arise out of the failure on the part of the permittee to perform his obligations under said permit in respect to maintenance and encroachment. The permittee shall protect and indemnify the City of Livermore, its officers and employees, and save them harmless in every way from all action at law for damage or injury to persons or property that may arise out of or be occasioned in any way because of his operations as provided in this permit.

Hold Harmless and Indemnification Agreement: Stratus Environmental, Inc. agrees to defend, indemnify and hold the City of Livermore, elected officials, officers, directors, employees, agents and volunteers harmless from and against any and all loss, liability, damage, including reasonable attorney and expert fees and/or court costs, arising out of or in connection with this agreement, except for the gross negligence and willful misconduct of the City of Livermore, its elected officials, officers, directors, employees, agents and volunteers.

**Stratus Environmental, Inc.**

Signature of Permittee:

City Engineer

By: [Signature]

By: [Signature]

Title: Geologist

Date of Issue: 3.10.15

Date: 3/19/15

Inspector: \_\_\_\_\_

Date Work Completed: \_\_\_\_\_

## CITY OF LIVERMORE GENERAL PROVISIONS

1. The permittee shall begin work as authorized under this permit within 45 days from the date of issuance, unless a different date is stated in the permit. If the work is not begun within 45 days or the time stated in the permit, the permit shall become void. The permit shall be valid for a term of 6 months from the date of issuance, or as otherwise stated on the permit, unless discontinued by the use or removal of the encroachment for which the permit was issued.
2. This permit is issued only for that portion of work in the City of Livermore public right-of-way.
3. All construction shall be in accordance with City Standard Details and Specifications.
4. Permittee shall notify Underground Service Alert (U.S.A.) at 800-227-2600 prior to excavation. All underground contractors must have U.S.A. inquiry identification number.
5. Permittee is hereby cautioned that unless otherwise noted herein, traffic signal detector loops, wiring, etc., shall not be disturbed. Request marking from the City of Livermore Street Maintenance Dept. at 960-8020.
6. All excavations shall conform to the requirement of the State of California Division of Occupational Safety and Health.
7. Permittee shall furnish all safeguards and post warning signs in advance of work area for vehicular traffic and shall clear the roadway of any obstructions or debris at the end of each work day. All safety devices shall conform to the latest edition of the State of California "Manual of Warning Signs, Lights, and Devices for Use in Performance of Work Upon Highways".
8. No public road under the jurisdiction of the City Engineer shall be closed to travel by the general public without special permission, in writing, from the City Engineer (Sec. 12.08.180 Livermore Municipal Code). No lane closures will be allowed between 6:00 a.m. and 9:00 a.m. or between 3:30 p.m. and 6:30 p.m. At other times, at least one lane of traffic shall be kept open to the general public.
9. No more than 300 linear feet of continuous excavation shall be opened at one time. Excavate only that length of trench which can be backfilled and compacted to specified requirements the same day. Temporary pavement must be placed the same day.
10. Backfill shall be placed in accordance with the current City Standard Detail G-1.
11. Metal plates of sufficient thickness for legal load traffic or temporary paving, 1½", minimum thickness and coated with a "non-skid" material, shall be placed over any unpaved areas at the end of each work day. Temporary pavement must be placed around all edges of said plates. Sidewalk construction areas shall be left in a safe condition.
12. Material excavated from within the City road right-of-way under this permit shall be removed from within the right-of-way and disposed of in a legal manner. (Sec. 12.08.170 Livermore Municipal Code)
13. The right-of-way shall be left clean and orderly daily to the satisfaction of the City Engineer or his representative. The permittee shall give particular attention to maintaining the project in a dust-free condition while performing the various items of work and during non-working periods, including weekends.
14. Job sites left in an unsafe condition will be secured by City personnel and the permittee will be billed for all expenses incurred by the City.
15. Final asphalt concrete surfacing shall be placed within 14 days of completion of each 300 linear feet of excavation. If the edges of the trench have been ravelled prior to final surfacing, the edges shall be re-sawn.
16. Where concrete is placed in a planter strip, score lines, construction joints and expansion joints shall be continued across entire sidewalk area. Where curb, gutter and sidewalk are placed monolithically, the "back edge" of the curb shall be scored.
17. No culverts or storm drains are to be cut or disturbed. Direction of flow and capacity of existing surface water drainage facilities shall not be materially changed.
18. Access to public and private properties adjacent to the public road in which work is authorized shall not be denied by reason of such work. Special measures shall be taken to insure passage for emergency vehicles over and at the site of work at all times.
19. In the event that any future improvement of the road right-of-way necessitates the relocation of the encroachment for which this permit is issued, the permittee shall relocate same at his sole expense.
20. Priority shall be given to operations performed under this contract let by the City of Livermore for certain work at this location. Coordination shall be effected through said Contractor and the Project Representative for the City.
21. Any existing facilities damaged or removed in the course of the work shall be replaced in kind or better, including ground and pavement surfaces, signs, striping, markers, curb, gutter, survey monuments, trees and other vegetation, etc., to the satisfaction of the owner of said facility.
22. In accordance with the Livermore Municipal Code, a cash deposit or surety bond may be required. The deposit placed for this work will be held for 90 days after the final inspection.

**PERMITTEE SHALL NOTIFY CITY INSPECTOR AT 960-4500  
WITHIN THREE (3) DAYS AFTER WORK IS COMPLETED.**

**FAILURE TO COMPLY WITH THESE PROVISIONS WILL RESULT IN  
THE CITY'S TAKING WHATEVER MEASURES NECESSARY  
TO CONFORM TO PERMIT CONDITIONS AND  
THE PERMITTEE WILL BE BILLED FOR ALL EXPENSES INCURRED.**



App.

# City of Livermore

Community Development Department  
1052 S. Livermore Avenue  
Livermore, CA 94550  
(925) 960-4500

Encroachment  
Permit No. EN150051  
Type: Other

PERMIT TO DO WORK IN ACCORDANCE WITH CHAPTER 12.08 OF THE LIVERMORE MUNICIPAL CODE AND SPECIFICATIONS AS ADOPTED BY THE CITY OF LIVERMORE AND ANY SPECIAL REQUIREMENTS SHOWN OR LISTED HEREIN.

Permit Fee \$90.00  
Inspection Fee \$220.00

**Applicant/Permittee:**

Name: Stratus Environmental, Inc. - Scott B.  
Address: 3330 Cameron Park Drive, Ste. 550  
Cameron Park CA, 95682  
Phone: 916-638-1169

**Total: \$310.00**

**Contractor:**

Name:  
Address:  
Phone:

PLEASE READ THIS PERMIT CAREFULLY. KEEP IT AT THE WORK SITE. TO ARRANGE FOR AN INSPECTION, PHONE (925) 960-4500 AT LEAST 24 HOURS BEFORE YOU START WORK.

JOB LOCATION: 2008 First ST, LIVERMORE, CA

DESCRIPTION OF WORK: <sup>Removing</sup> installing monitoring well for 2008 First Street. Close sidewalk along South L Street, one day only.  
PM# .



Attention is directed to the General Provisions printed on the reverse side of this permit and to the attached special requirements (to be determined as needed by the Engineering Division).

Prosecution of Work: All work authorized by the permit shall be performed in a workmanlike, diligent, and expeditious manner, and must be completed to the satisfaction of the City Engineer.

Liability and Damages: The permittee shall be responsible for all liability imposed by law for personal injury or property damage which may arise out of the work permitted and done by permittee under this permit, or which may arise out of the failure on the part of the permittee to perform his obligations under said permit in respect to maintenance and encroachment. The permittee shall protect and indemnify the City of Livermore, its officers and employees, and save them harmless in every way from all action at law for damage or injury to persons or property that may arise out of or be occasioned in any way because of his operations as provided in this permit.

Hold Harmless and Indemnification Agreement: Stratus Environmental, Inc. - Scott B. agrees to defend, indemnify and hold the City of Livermore, elected officials, officers, directors, employees, agents and volunteers harmless from and against any and all loss, liability, damage, including reasonable attorney and expert fees and/or court costs, arising out of or in connection with this agreement, except for the gross negligence and willful misconduct of the City of Livermore, its elected officials, officers, directors, employees, agents and volunteers.

**Stratus Environmental, Inc. - Scott B.**

Signature of Permittee:

By: Scott B. [Signature]

Title: Project Mgr

Date: 2-17-15

Date Work Completed: 2-17-15

City Engineer

By: MAR A. Duddy [Signature]

Date of Issue: 2/17/15

Inspector: \_\_\_\_\_

## CITY OF LIVERMORE GENERAL PROVISIONS

1. The permittee shall begin work as authorized under this permit within 45 days from the date of issuance, unless a different date is stated in the permit. If the work is not begun within 45 days or the time stated in the permit, the permit shall become void. The permit shall be valid for a term of 6 months from the date of issuance, or as otherwise stated on the permit, unless discontinued by the use or removal of the encroachment for which the permit was issued.
2. This permit is issued only for that portion of work in the City of Livermore public right-of-way.
3. All construction shall be in accordance with City Standard Details and Specifications.
4. Permittee shall notify Underground Service Alert (U.S.A.) at 800-227-2600 prior to excavation. All underground contractors must have U.S.A. inquiry identification number.
5. Permittee is hereby cautioned that unless otherwise noted herein, traffic signal detector loops, wiring, etc., shall not be disturbed. Request marking from the City of Livermore Street Maintenance Dept. at 960-8020.
6. All excavations shall conform to the requirement of the State of California Division of Occupational Safety and Health.
7. Permittee shall furnish all safeguards and post warning signs in advance of work area for vehicular traffic and shall clear the roadway of any obstructions or debris at the end of each work day. All safety devices shall conform to the latest edition of the State of California "Manual of Warning Signs, Lights, and Devices for Use in Performance of Work Upon Highways".
8. No public road under the jurisdiction of the City Engineer shall be closed to travel by the general public without special permission, in writing, from the City Engineer (Sec. 12.08.180 Livermore Municipal Code). No lane closures will be allowed between 6:00 a.m. and 9:00 a.m. or between 3:30 p.m. and 6:30 p.m. At other times, at least one lane of traffic shall be kept open to the general public.
9. No more than 300 linear feet of continuous excavation shall be opened at one time. Excavate only that length of trench which can be backfilled and compacted to specified requirements the same day. Temporary pavement must be placed the same day.
10. Backfill shall be placed in accordance with the current City Standard Detail G-1.
11. Metal plates of sufficient thickness for legal load traffic or temporary paving, 1½" minimum thickness and coated with a "non-skid" material, shall be placed over any unpaved areas at the end of each work day. Temporary pavement must be placed around all edges of said plates. Sidewalk construction areas shall be left in a safe condition.
12. Material excavated from within the City road right-of-way under this permit shall be removed from within the right-of-way and disposed of in a legal manner. (Sec. 12.08.170 Livermore Municipal Code)
13. The right-of-way shall be left clean and orderly daily to the satisfaction of the City Engineer or his representative. The permittee shall give particular attention to maintaining the project in a dust-free condition while performing the various items of work and during non-working periods, including weekends.
14. Job sites left in an unsafe condition will be secured by City personnel and the permittee will be billed for all expenses incurred by the City.
15. Final asphalt concrete surfacing shall be placed within 14 days of completion of each 300 linear feet of excavation. If the edges of the trench have been ravelled prior to final surfacing, the edges shall be re-sawn.
16. Where concrete is placed in a planter strip, score lines, construction joints and expansion joints shall be continued across entire sidewalk area. Where curb, gutter and sidewalk are placed monolithically, the "back edge" of the curb shall be scored.
17. No culverts or storm drains are to be cut or disturbed. Direction of flow and capacity of existing surface water drainage facilities shall not be materially changed.
18. Access to public and private properties adjacent to the public road in which work is authorized shall not be denied by reason of such work. Special measures shall be taken to insure passage for emergency vehicles over and at the site of work at all times.
19. In the event that any future improvement of the road right-of-way necessitates the relocation of the encroachment for which this permit is issued, the permittee shall relocate same at his sole expense.
20. Priority shall be given to operations performed under this contract let by the City of Livermore for certain work at this location. Coordination shall be effected through said Contractor and the Project Representative for the City.
21. Any existing facilities damaged or removed in the course of the work shall be replaced in kind or better, including ground and pavement surfaces, signs, striping, markers, curb, gutter, survey monuments, trees and other vegetation, etc., to the satisfaction of the owner of said facility.
22. In accordance with the Livermore Municipal Code, a cash deposit or surety bond may be required. The deposit placed for this work will be held for 90 days after the final inspection.

**PERMITTEE SHALL NOTIFY CITY INSPECTOR AT 960-4500  
WITHIN THREE (3) DAYS AFTER WORK IS COMPLETED.**

**FAILURE TO COMPLY WITH THESE PROVISIONS WILL RESULT IN  
THE CITY'S TAKING WHATEVER MEASURES NECESSARY  
TO CONFORM TO PERMIT CONDITIONS AND  
THE PERMITTEE WILL BE BILLED FOR ALL EXPENSES INCURRED.**

**APPENDIX C**  
**WASTE DISPOSAL INFORMATION**



INTEGRATED WASTESTREAM  
MANAGEMENT, INC.

# CERTIFICATE OF DISPOSAL

Generator Name: B & C Gas Station/ Balaji Angle <sup>⊥</sup>  
Address: 2008 First Street  
Livermore, CA 94550  
Contact: Balaji Angle  
Phone: 510-552-4822

Facility Name: B & C Gas Station  
Address: 2008 First Street  
Livermore, CA 94550  
Facility Contact: Balaji Angle <sup>⊥</sup>  
Phone: 510-552-4822

IWM Job #:	<u>Bella 504</u>
Description of Waste:	<u>17.18 Tons of</u> <u>Non-Hazardous</u> <u>Solids</u>
Removal Date:	<u>3-4-15</u>
Ticket #:	<u>RSVRL03042015</u>

## Transporter Information

Name: IWM, Inc.  
Address: 1945 Concourse Drive  
San Jose, CA 95131  
Phone: (408) 433-1990

## Disposal Facility Information

Name: Republic Services Vasco Road Landfill  
Address: 4001 N. Vasco Road  
Livermore, CA 94550  
Phone: (925) 447-0491

**IWM, INC. CERTIFIES THAT THE ABOVE LISTED NON-HAZARDOUS WASTE WILL BE TREATED AND DISPOSED AT THE DESIGNATED FACILITY IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.**

William T. DeLon  
Authorized Representative (Print Name and Signature)

3-4-15  
Date

SITE  
 Vasco Road Landfill  
 4001 N Vasco Road  
 Livermore, CA 925-447-0491

CUSTOMER  
 000100  
 IWM INC  
 1945 CONCORSE DR  
 SAN JOSE, CA 95035  
 3850Y916021

SITE	TICKET #	CELL
01	1003713	
WEIGHMASTER		
DATE/TIME IN	DATE/TIME OUT	
03-04-2015 6:24 am	03-4-2015 9:29 am	
VEHICLE	COUNTAINER	
4		
REFERENCE		
BILL OF LADING		INVOICE

GROSS WEIGHT 72,800 NET TONS 17.18  
 TARE WEIGHT 38,440 NET WEIGHT 34,360

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	TRACKING QTY				
17.18	TN	SW-BENEFICIAL REUSE LIVERMORE				
1.00		ENVIRONMENTAL FEE 1				
1.00		FUEL RECOVERY FEE				

INBOUND

WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture.

NET AMOUNT
TENDERED



INTEGRATED WASTESTREAM MANAGEMENT, INC.  
1945 CONCOURSE DRIVE, SAN JOSE, CA 95131  
PHONE: 408.433.1990 FAX: 408.433.9521

# CERTIFICATE OF DISPOSAL

Generator Name: B & C Gas Station/ Balaji Angle  
Address: 2008 First Street  
Livermore, CA 94550  
Contact: Balaji Angle  
Phone: 510-552-4822

Facility Name: B & C Gas Station  
Address: 2008 First Street  
Livermore, CA 94550  
Facility Contact: Balaji Angle  
Phone: 510-552-4822

IWM Job #: Bella 544  
Description of Waste: 2 Drums of  
Non-Hazardous  
Solids  
Removal Date: 4-7-15  
Ticket #: RSVRL04072015


## Transporter Information

Name: IWM, Inc.  
Address: 1945 Concourse Drive  
San Jose, CA 95131  
Phone: (408) 433-1990

## Disposal Facility Information

Name: Republic Services Vasco Road Landfill  
Address: 4001 N. Vasco Road  
Livermore, CA 94550  
Phone: (925) 447-0491

**IWM, INC. CERTIFIES THAT THE ABOVE LISTED NON-HAZARDOUS WASTE WILL BE TREATED AND DISPOSED AT THE DESIGNATED FACILITY IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.**

William T. DeLon   
Authorized Representative (Print Name and Signature)

4-7-15  
Date