

YRC Freight
10990 Roe Avenue
Overland Park, KS 66211



RECEIVED

By Alameda County Environmental Health 11:09 am, May 27, 2015

May 26, 2015

To Whom It May Concern:

Attached is the "WELL DESTRUCTION REPORT" for the former YRC Inc. (formerly known as Roadway Express) d.b.a. YRC Freight, property located at 1708 Wood Street in Oakland, CA 94607, Fuel Leak Case No. RO0000039. I declare, under penalty of perjury, that the information and/or recommendations contained in the attached report are true and correct to the best of my knowledge.

YRC Freight is a subsidiary of YRC Worldwide Inc., as Manager –Environmental Services and Properties of YRC Freight, I have been charged by YRC Worldwide Inc., to represent YRC Freight.

Sincerely,

A handwritten signature in black ink, appearing to read "Ruben D. Byerley". The signature is written in a cursive style.

Ruben D. Byerley

Manager –Environmental Services and Properties



Well Destruction Report



YRC Worldwide

YRC Worldwide Inc.

**Former Roadway Express (REX) Facility
1708 Wood St. Oakland, CA
ACEH ID: RO0000039
RB Case #: 01-2291
ACPWA Permit: W2015-0346
Project No. 79379**

**Revision 1
05/21/2015**



Well Destruction Report

Prepared for

YRC Worldwide Inc.
Former Roadway Express (REX) Facility
1708 Wood St. Oakland, CA
ACEH ID: RO0000039
RB Case #: 01-2291
ACPWA Permit: W2015-0346
Overland Park, Kansas

Project No. 79379

Revision 1
05/21/2015

prepared by

Burns & McDonnell Engineering Company, Inc.
South San Francisco, California

COPYRIGHT © 2015 BURNS & McDONNELL ENGINEERING COMPANY, INC.

INDEX AND CERTIFICATION

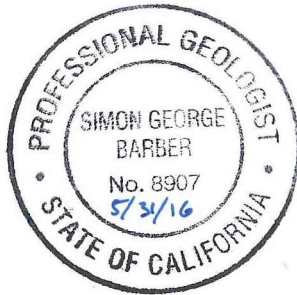
YRC Worldwide Inc. Well Destruction Report Project No. 79379

Report Index

<u>Chapter Number</u>	<u>Chapter Title</u>	<u>Number of Pages</u>
1.0	Executive Summary	1
2.0	Introduction	1
3.0	Well Destruction Activities	2
4.0	Summary	1
Appendix A	Alameda County Public Works Agency- Well Permit	1
Appendix B	Well Destruction Approval Letter	2
Appendix C	Well Destruction Photographs	2

Certification

I hereby certify, as a Professional Geologist in the state of California, that the information in this document was assembled under my direct personal charge. This report is not intended or represented to be suitable for reuse by the YRC Worldwide Inc. or others without specific verification or adaptation by the Geologist.



Simon Barber P.G. QSP/D (CA 8907)
BMcD Project Geologist

Date: 05/21/2015

TABLE OF CONTENTS

Page No.

1.0 EXECUTIVE SUMMARY..... 1-1

2.0 INTRODUCTION 2-2

 2.1 Low Threat Closure Policy Acceptance 2-2

3.0 WELL DESTRUCTION ACTIVITIES..... 3-3

 3.1 Permitting & USA Service Alert 3-3

 3.2 Well Destruction Activities..... 3-3

 3.3 Investigation Derived Waste..... 3-3

4.0 SUMMARY 4-4

APPENDIX A - ALAMEDA COUNTY PUBLIC WORKS AGENCY- WELL PERMIT

APPENDIX B - WELL DESTRUCTION APPROVAL LETTER

APPENDIX C - WELL DESTRUCTION PHOTOGRAPHS

LIST OF TABLES

Table 3-1: Well Construction Details

LIST OF FIGURES

Figure 1-1: Site Location

Figure 1-2: Site Plan

Figure 1-3: Site Monitoring Wells

LIST OF ABBREVIATIONS

<u>Abbreviation</u>	<u>Term/Phrase/Name</u>
ACEH	Alameda County Environmental Health
ACPWA	Alameda County Public Works Agency
bgs	Below Ground Surface
BMcD	Burns & McDonnell
Burns & McDonnell	Burns & McDonnell Engineering Company, Inc.
Cascade	Cascade Drilling L.P.
DOT	United States-Department of Transportation
HSA	Hollow Stem Auger
IDW	Investigation Derived Waste
LTC	Low Threat Closure
psi	Pounds per Square Inch
PVC	Poly-vinyl Chloride
SF-RWQCB	San Francisco Bay- Regional Water Quality Control Board (Region 2)
Site	Former Roadway Express (REX) Facility: 1708 Wood St. Oakland, CA
SWRCB	State Water Resources Control Board
USAN	Underground Service Alert of Northern California
YRC	YRC Worldwide Inc.

1.0 EXECUTIVE SUMMARY

On behalf of YRC Worldwide Inc., (YRC), Burns & McDonnell Engineering Company Inc. (Burns & McDonnell), is please to present this well destruction report documenting the destruction of six monitoring wells at YRCs former YRC Freight-Roadway Express (REX) facility located at 1708 Wood Street (Site), Oakland, California (Figure 1-1 & Figure 1-2).

On May 19, 2015, in accordance with the Alameda County Public Works Agency (ACPWA) permit W2015-0346 (Appendix A), the Sites six remaining groundwater monitoring wells (MW-3 through MW-8) [Figure 1-3] were destroyed using over-drilling (to five feet below ground surface) and pressure grouting techniques by Cascade Drilling L.P. (Cascade), a CA C-57 licensed drilling company. Each monitoring well was backfilled with Type II-V neat cement till overflowing the well head and static level maintained. After which a poly vinyl chloride (PVC) threaded cap was cemented to the well-head, and air fittings were connected to the PVC union. Compressed air generated from the drill rig was applied at a pressure of 25 pound per square inch (psi) for duration of five minutes. All pressure tests passed the 25 psi for 5 minute criteria stipulated in the ACPWA permit.

Post pressure grouting, the well boxes and surrounding concrete and the top five feet of each monitoring well was removed with 8-inch outer diameter hollow stem auger flights. The borings were backfilled with grout to approximately 1 foot to 8 inches below ground surface (bgs). Surface grade was completed with rapid set concrete and hardener.

2.0 INTRODUCTION

The Site is overseen by Alameda County Environmental Health (ACEH), ACEH ID: RO0000039, San Francisco Bay-Regional Water Quality Control Board (SF-RWQCB) Case #: 01-229, and State Water Resources Control Board (SWRQCB) GeoTracker ID: TO600102107. YRC Freight is a subsidiary of YRC Worldwide Inc., environmental management of the former YRC Freight-Roadway Express (REX) facility is managed through YRC Worldwide Inc. The site is currently owned by PSAI Partners IV LLC, located in San Francisco, California; and operated by Three Rivers Trucking as a trucking terminal.

2.1 Low Threat Closure Policy Acceptance

The ACEH has accepted Burns & McDonnell's recommendation for Low-Threat Closure (LTC) and determined that the Site satisfies SWRCB Resolution No. 2012-0062 Low-Threat UST Case Closure Policy criteria and has approved the final closure pending destruction of the Site's monitoring wells.

Public participation notification, a requirement for the case closure processes, was initiated by the ACEH and concluded on May 4, 2015. In a Letter dated May 5, 2015, the ACEH confirmed (Appendix B) that no public comments were received and that YRC was free to precede with well destruction activities at the Site. The Letter additionally requests the submittal of a monitoring well destruction and waste removal activities report be submitted by June 18, 2015 to the ACEH website and SWRCB GeoTracker Database.

3.0 WELL DESTRUCTION ACTIVITIES

3.1 Permitting & USA Service Alert

Alameda County Public Works Agency (ACPWA) Water Resources Well Permit W2015-0346 was acquired by Burns & McDonnell on April 28, 2014. The Sites monitoring wells were then demarked with white paint and Underground Service Alert of Northern California (USAN) was notified; USAN dig alert ticket #: 0223405 was issued. USAN contacted the appropriate utility owners and agencies of record within the Site vicinity and notified them of the schedule of work in proximity of potential subsurface utilities. Selected utility owners of record, or their designated agents, marked the position of their utilities on the ground surface throughout the area designated for investigation.

3.2 Well Destruction Activities

On May 19, 2015, Cascade (CA C-57 # 938110) under supervisor of a Burns & McDonnell CA professional geologist, properly destroyed all Site wells (MW-3 through MW-8) using standard well pressure grouting techniques and ACPW permits conditions. Historical monitoring wells MW-1 and MW-2 were destroyed in August 2009.

Cascade placed neat cement (Type II-V) within each PVC well casing until overflowing. Sufficient time was allowed for initial settling. Once a static grout level was obtained, a PVC threaded cap was cemented to the well head and air fittings were attached. Cascade applied constant pressure at each monitoring well at a constant pressure of 25 psi for duration of five minutes. Each Site well passed the pressure grouting pressure test on the first attempt.

Post pressure grouting, Cascade removed the well boxes and surrounding concrete and over-drilled each well using a CME 75 hollow stem auger drill rig (HSA) with an 8 inch outer diameter hollow stem auger flight to a depth of 5 feet bgs. Each wells vault and sanitary seal was removed during over-drilling. Well construction details are shown as Table 3-1.

The boreholes were backfilled with grout to an approximate depth of 8 inches bgs. The top grade was completed with rapid set high strength concrete. Well destruction photographs are provided as Appendix C.

3.3 Investigation Derived Waste

The construction debris generated during over-drilling activities (e.g. well vaults, concrete) were containerized in Department of Transportation (DOT) 55-gallon steel drum(s) pending disposal or

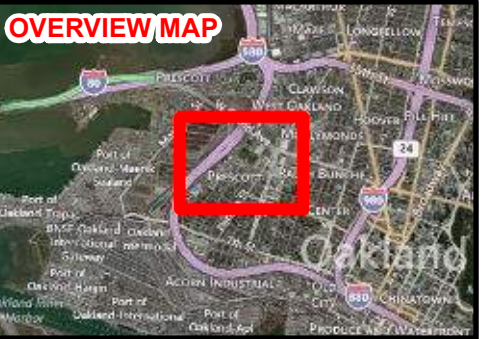
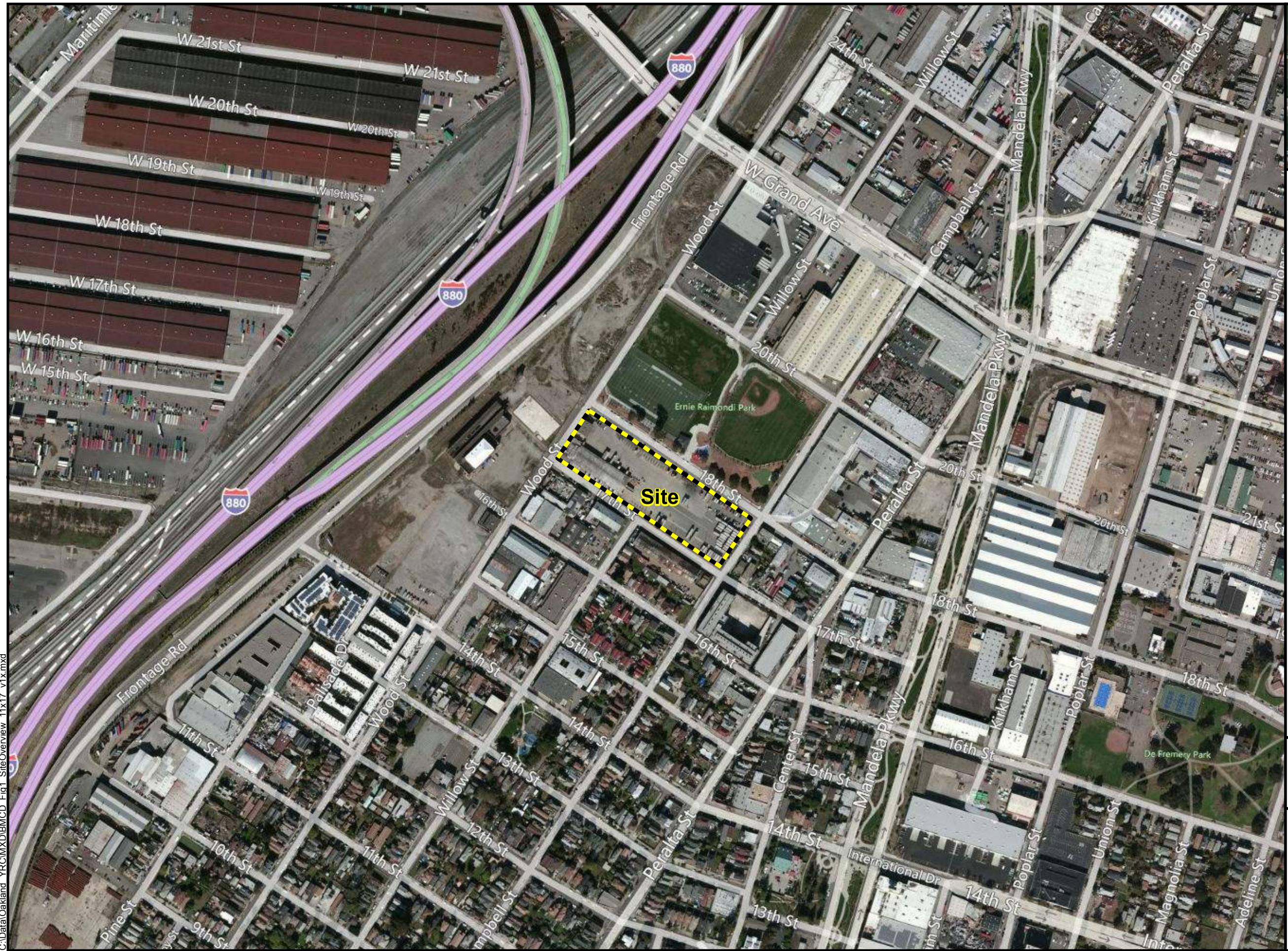
recycling at an appropriate facility. The drum(s) were sealed and labeled, date of waste generation, type of waste, name and phone number of Burns & McDonnell representative.

4.0 SUMMARY

On May 19, 2015, Burns & McDonnell oversaw the permanent destruction of Site wells MW-3 through MW-8 by pressure grouting; destructions were performed by Cascade. Each well passed the pressure grouting test criteria set forth by ACPWA of 25 psi for duration of 5 minutes. Post pressure grouting, each well was over-drilled to a depth of 5 feet bgs and backfilled with grout. The top grade was completed with concrete to match surrounding conditions.

As stated by the ACEH, the Site is in compliance with SWRCB Low-Threat Closure Policy and therefore eligible for closure. The Public Participation period has expired with no recorded comments submitted to the ACEH regarding the Site, and all Site wells summarily destroyed. Henceforth, on behalf of YRC, Burns & McDonnell anticipates that the ACEH shall formally grant No Further Action status upon the receipt of this report.

FIGURES



LEGEND

 Site

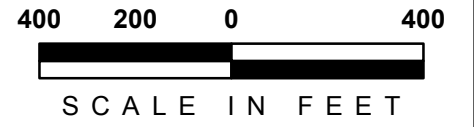


Figure 1-1
LOCATION MAP
FORMER ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA



LEGEND

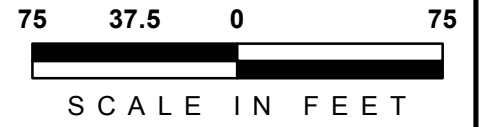
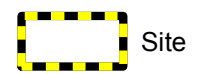





Figure 1-2
SITE PLAN
FORMER ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA

LEGEND

-  SHALLOW MONITORING WELLS (MW-6 TO MW-8)
DESTROYED MAY 2015
-  DEEP MONITORING WELLS (MW-3 TO MW-5)
DESTROYED MAY 2015
-  MONITORING WELLS (MW-1 AND MW-2)
DESTROYED AUGUST 2008

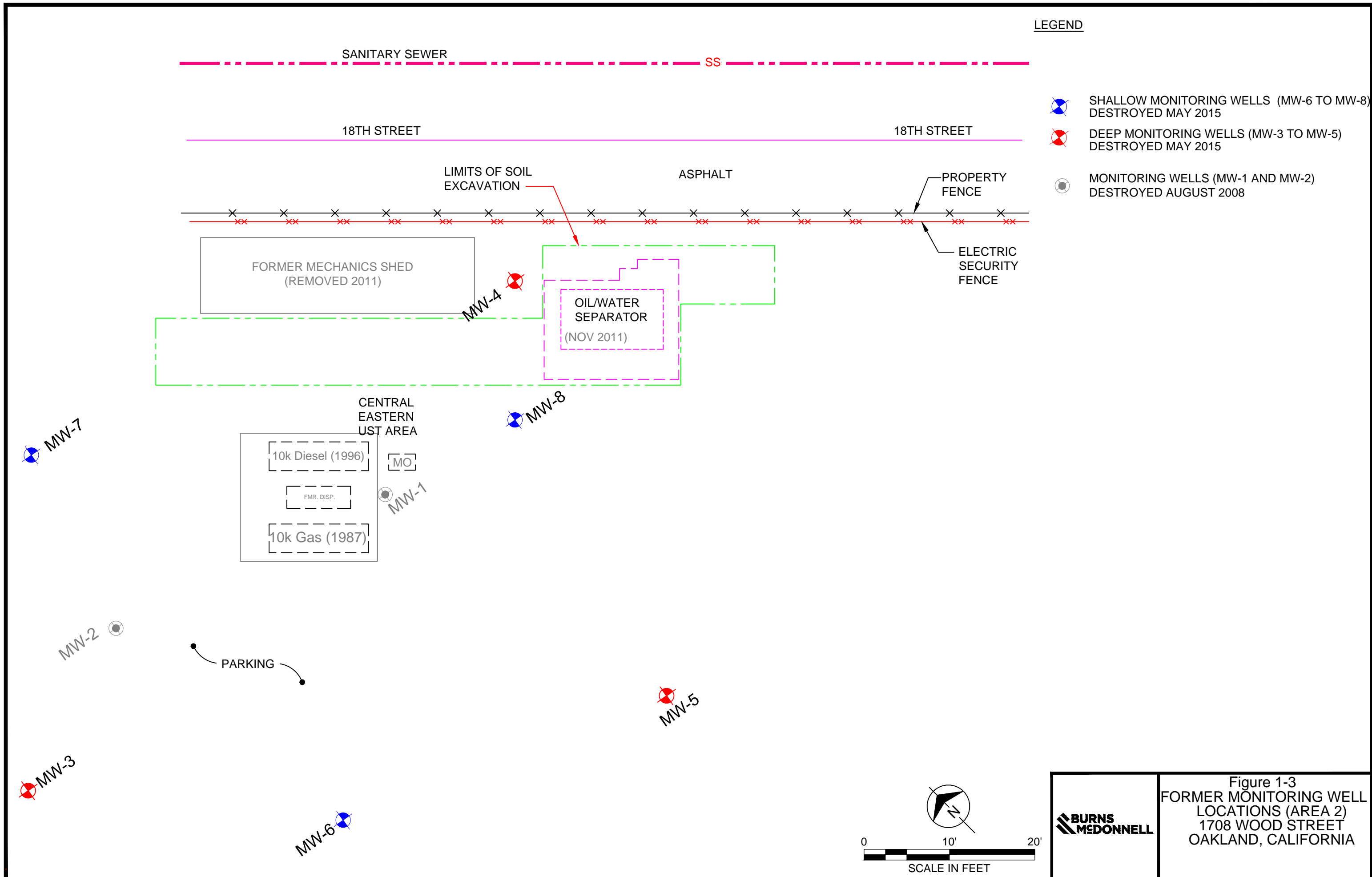


Figure 1-3
FORMER MONITORING WELL
LOCATIONS (AREA 2)
1708 WOOD STREET
OAKLAND, CALIFORNIA



TABLES

**Table 3-1
Well Construction Details**

YRC Worldwide Inc.
Former Roadway Express (REX) Facility
1708 Wood Street
Oakland, California

Well ID	Installation Date	Casing Diameter (Inches)	Casing Elevation (ft msl)	Construction Depth (ft msl)	Screened Interval (ft msl)	Comments
MW-1	March 1987	4	unknown	10	0.5-10	Well Destroyed August 2008
MW-2	March 1987	4	9.89	9.5	0.5-9.5	Well Destroyed August 2008
MW-3	September 2000	2	10.11	30	10-30	Well Destroyed May 2015
MW-4	September 2000	2	9.52	30	10-30	Well Destroyed May 2015
MW-5	September 2000	2	9.97	30	10-30	Well Destroyed May 2015
MW-6	February 2009	1	10.13	10	5-10	Well Destroyed May 2015
MW-7	February 2009	1	9.93	10	5-10	Well Destroyed May 2015
MW-8	February 2009	1	9.83	10	5-10	Well Destroyed May 2015

Notes:

ft msl Elevation reference in feet to mean sea level
ft bgs Depth in feet below ground surface

Construction-Survey Notes:

Construction depth and screened intervals for MW-3, MW-4, and MW-5 based on boring logs located in the *Additional Groundwater Investigation Report by One Environment, 2001*.
Casing elevation for MW-2, MW-3, MW-4, and MW-5 resurveyed by Luk and Associates on December 20, 2007.
Casing elevation for MW-6, MW-7, and MW-8 surveyed by Luk and Associates on March 3, 2009.

Well Destruction Notes:

August 2008: Monitoring wells MW-1 and MW-2 deastroyed by overdrilling.
May 19, 2015: Monitoring wells MW-3 through MW-8 destroyed by pressure grouting.

**APPENDIX A - ALAMEDA COUNTY PUBLIC WORKS AGENCY- WELL
PERMIT**

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 04/28/2015 By jamesy

Permit Numbers: W2015-0346
Permits Valid from 05/19/2015 to 05/20/2015

Application Id: 1428358785443
Site Location: 1708 Wood Street
Project Start Date: 05/19/2015

City of Project Site:Oakland
Completion Date:05/20/2015

Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

Applicant: Burns & McDonnell - Christopher D'Sa
200 S Los Robles Ave #250, Pasadena, CA 91101
Property Owner: Attn: Martin Ward PSAI Partners IV, LLC.
155 Montgomery St Ste 1600, San Francisco, CA 94104
Client: Ruben Byerley
10990 Roe Avenue, Overland Park, KS 66211

Phone: 310-570-7069
Phone: 415-362-3743
Phone: 913-234-8940 x

Receipt Number: WR2015-0194	Total Due:	\$265.00
Payer Name : Christopher D'Sa	Total Amount Paid:	\$265.00
	Paid By: MC	PAID IN FULL

Works Requesting Permits:

Remediation Well Destruction-Injection - 6 Wells
Driller: CASCADE DRILLING L P - Lic #: 938110 - Method: press

Work Total: \$265.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-0346	04/28/2015	08/17/2015	MW-3	8.00 in.	2.00 in.	8.00 ft	30.00 ft	No Records	No Records	No Records
W2015-0346	04/28/2015	08/17/2015	MW-4	8.00 in.	2.00 in.	8.00 ft	30.00 ft	No Records	No Records	No Records
W2015-0346	04/28/2015	08/17/2015	MW-5	8.00 in.	2.00 in.	8.00 ft	30.00 ft	No Records	No Records	No Records
W2015-0346	04/28/2015	08/17/2015	MW-6	4.00 in.	1.00 in.	4.00 ft	10.00 ft	No Records	No Records	No Records
W2015-0346	04/28/2015	08/17/2015	MW-7	4.00 in.	1.00 in.	4.00 ft	10.00 ft	No Records	No Records	No Records
W2015-0346	04/28/2015	08/17/2015	MW-8	4.00 in.	1.00 in.	4.00 ft	10.00 ft	No Records	No Records	No Records

Specific Work Permit Conditions

1. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.
2. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.
3. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
4. Remove the Christy box or similar structure.

Alameda County Public Works Agency - Water Resources Well Permit

Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and soil.

After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.

5. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

6. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

APPENDIX B - WELL DESTRUCTION APPROVAL LETTER



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

May 5, 2015

Ruben Byerley
Roadway Express
1077 Gorge Boulevard
Akron, OH 44310
(Sent via E-mail to:
ruben.byerley@yrcfreight.com)

Martin Ward
PSIA Partners IV LLC
155 Montgomery St., Suite 1600
San Francisco, CA 94104
(Sent via E-mail to:
MWard@psai-cre.com)

Subject: Well Destruction Authorization for Fuel Leak Case No. RO0000039 (GeoTracker Global ID T0600102107), Roadway Express, 1708 Wood Street, Oakland, CA 94607

Dear Responsible Parties:

The public comment period for the subject site ended on May 4, 2015. No comments were received by Alameda County Environmental Health (ACEH). You are free to proceed with the destruction of all wells associated with the site (groundwater, vapor, etc.), as requested in the April 6, 2015 letter from ACEH. As requested in the letter, please contact the Alameda County Public Works Agency to obtain well destruction permits. Following the well destruction, please provide ACEH a well destruction report according to the schedule outlined below. The well destruction report should document site activities, provide well destruction permit documentation, and documentation indicating that any remaining investigation, remediation, and well destruction derived waste have been removed from the site.

TECHNICAL REPORT REQUEST

Please submit reports to Alameda County Environmental Health, and upload technical reports to the ACEH ftp site (Attention: Keith Nowell), and to the State Water Resources Control Board's Geotracker website, in accordance with the following specified file naming convention and schedule:

- **June 18, 2015 - Monitoring Well Destruction and Waste Removal Activities** - File to be named RO39_WELL_DCM_R_yyyymm-dd

This report is being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

Should you have any questions, please contact me at (510) 567-6764 or send me an electronic mail message at keith.nowell@acgov.org.

Sincerely,

Digitally signed by Keith Nowell
DN: cn=Keith Nowell, o=Alameda
County, ou=Department of
Environmental Health,
email=keith.nowell@acgov.org, c=US
Date: 2015.05.05 08:35:13 -07'00'

Keith Nowell, PG, CHG
Hazardous Materials Specialist

Responsible Parties
RO0000280
May 5, 2015, Page 2

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements/Obligations and Electronic Report Upload (ftp) Instructions

cc: Christopher D'Sa, Burns and McDonnell Engineering Company, Inc., 400 Oyster Point Blvd., Suite 533, South San Francisco, CA 94080 (*Sent via E-mail to: cdsa@burnsmcd.com*)

James Yoo, Alameda Co. Dept. of Public Works, Water Resources Section, 399 Elmhurst Street, Hayward, CA 94544 (*Sent via E-mail to: jamesy@acpwa.org*)

Dilan Roe, ACEH, (sent via e-mail to dilan.roe@acgov.org)

Keith Nowell, ACEH, (sent via e-mail keith.nowell@acgov.org)

Geotracker, Electronic File

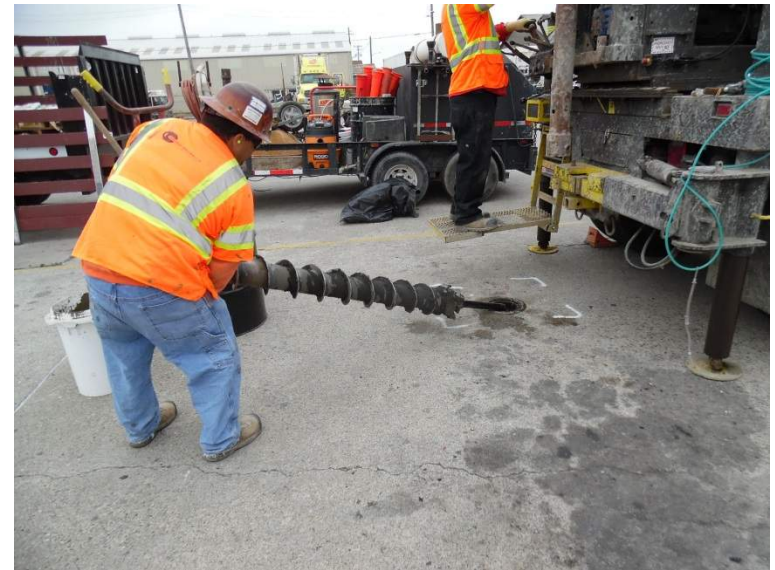
APPENDIX C - WELL DESTRUCTION PHOTOGRAPHS

Former Roadway Express (REX): Well Destruction- May 2015

Pressure-Grouting



Over-Drilling



Former Roadway Express (REX): Well Destruction- May 2015

Well Vault Removal



Restoration





CREATE AMAZING.

Burns & McDonnell World Headquarters
9400 Ward Parkway
Kansas City, MO 64114
O 816-333-9400
F 816-333-3690
www.burnsmcd.com