



**CONESTOGA-ROVERS
& ASSOCIATES**

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
www.CRAworld.com

TRANSMITTAL

DATE: October 10, 2012 REFERENCE NO.: 240472
PROJECT NAME: 105 Fifth Street, Oakland
TO: Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RECEIVED
9:18 am, Nov 14, 2012
Alameda County
Environmental Health

Please find enclosed: Draft Final
 Originals Other
 Prints
Sent via: Mail Same Day Courier
 Overnight Courier Other GeoTracker and Alameda County FTP

QUANTITY	DESCRIPTION
1	Well Destruction Report

As Requested For Review and Comment
 For Your Use

COMMENTS:

If you have any questions regarding the content of this document, please contact Peter Schaefer at (510) 420-3319.

Copy to: Denis Brown, Shell Oil Products US (electronic copy)
Arthur R. & Mary A. Hansen (property owner), Trustees et al, 820 Loyola Drive, Los Altos, CA 94024

Completed by: Peter Schaefer Signed: Peter Schaefer

Filing: **Correspondence File**



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

Denis L. Brown
Shell Oil Products US
HSE – Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

Re: Shell-branded Service Station
105 Fifth Street
Oakland, California
SAP Code 135700
Incident No. 98995757
ACEH Case No. RO0000487

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

A handwritten signature in black ink, appearing to read "Denis L. Brown", is written over a horizontal line.

Denis L. Brown
Senior Program Manager



WELL DESTRUCTION REPORT

**SHELL-BRANDED SERVICE STATION
105 FIFTH STREET
OAKLAND, CALIFORNIA**

**SAP CODE 135700
INCIDENT NO. 98995757
AGENCY NO. RO0000487**

**OCTOBER 10, 2012
REF. NO. 240472 (15)**

This report is printed on recycled paper.

**Prepared by:
Conestoga-Rovers
& Associates**

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

Office: (510) 420-0700
Fax: (510) 420-9170

web: <http://www.CRAworld.com>

TABLE OF CONTENTS

	<u>Page</u>
1.0 INTRODUCTION.....	1
2.0 WELL DESTRUCTION.....	1
2.1 FIELD DATE.....	1
2.2 PERSONNEL PRESENT	1
2.3 DESTRUCTION METHOD	1
2.4 WASTE DISPOSAL.....	1

LIST OF FIGURES
(Following Text)

- FIGURE 1 VICINITY MAP
FIGURE 2 SITE PLAN

LIST OF APPENDICES

- APPENDIX A PERMITS

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document the recent well destructions at the referenced site.

The well destructions are required for case closure per Alameda County Environmental Health's (ACEH's) July 3, 2012 letter. CRA followed the scope of work and procedures presented in our July 12, 2012 *Well Destruction Work Plan*, which was approved in ACEH's July 16, 2012 letter.

2.0 WELL DESTRUCTION

2.1 FIELD DATES

August 27 to August 30, 2012.

2.2 PERSONNEL PRESENT

CRA field staff member Belew Yifru directed the well destruction under the supervision of California Professional Geologist Peter Schaefer.

2.3 DESTRUCTION METHOD

Six monitoring wells (MW-1 through MW-6) were destroyed by pressure grouting, nine soil vapor probes (SVP-1 through SVP-6, SVP-8, SVP-9, and SVP-10) were destroyed by over-drilling using an air-/water-knife drill rig, and one near sub-slab soil vapor probe (SVP-7) was destroyed by over-drilling with a hammer drill. Copies of the Alameda County Public Works Agency well destruction permit and City of Oakland encroachment and excavation permits are included in Appendix A.

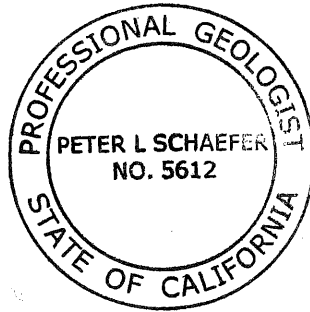
2.4 WASTE DISPOSAL

Water-knife sludge generated during the well destructions was stored on site in 55-gallon drums, tested, and profiled for disposal. Construction debris generated by the well destruction activities was transported by Vapor Tech Services of Berkeley,

California to Commercial Waste and Recycling of Oakland, California for recycling. The disposal documentation is pending and will be provided upon request.

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Peter Schaefer
Peter Schaefer, CEG, CHG



Eric A. Syrstad
Eric A. Syrstad, PG

FIGURES



Shell-branded Service Station
 105 Fifth Street
 Oakland, California



**CONESTOGA-ROVERS
 & ASSOCIATES**

Vicinity Map

EXPLANATION

- SVP-1 ☒ Destroyed soil vapor probe location
 - MW-1 ☒ Destroyed monitoring well location
 - T-1 ▲ Tank backfill well location
 - SB-8 ● Soil boring location (2002)
 - SB-6 ⊙ Soil boring location (2001)
 - SB-1 ⊕ Soil boring location (1998)
 - D-1 ▲ Soil sample location
 - OE — Overhead electrical line (OE)
 - E — Electrical line (E)
 - T — Telecommunication line (T)
 - U — Unknown utility line
 - W — Water line (W)
 - STM — Storm drain line (STM)
 - SAN — Sanitary sewer line (SAN)
 - ▲ Flow direction
 - MH ○ Manhole
 - VB ○ Vault Box
 - ⊞ Storm drain inlet
 - ftg Feet below grade
- Note:** All utility locations are approximate

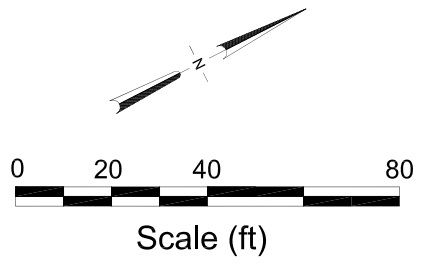
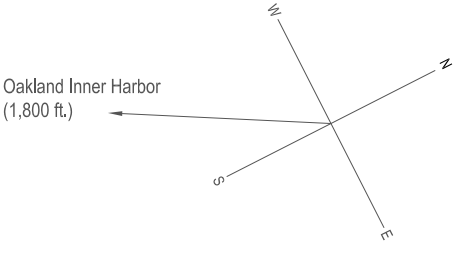
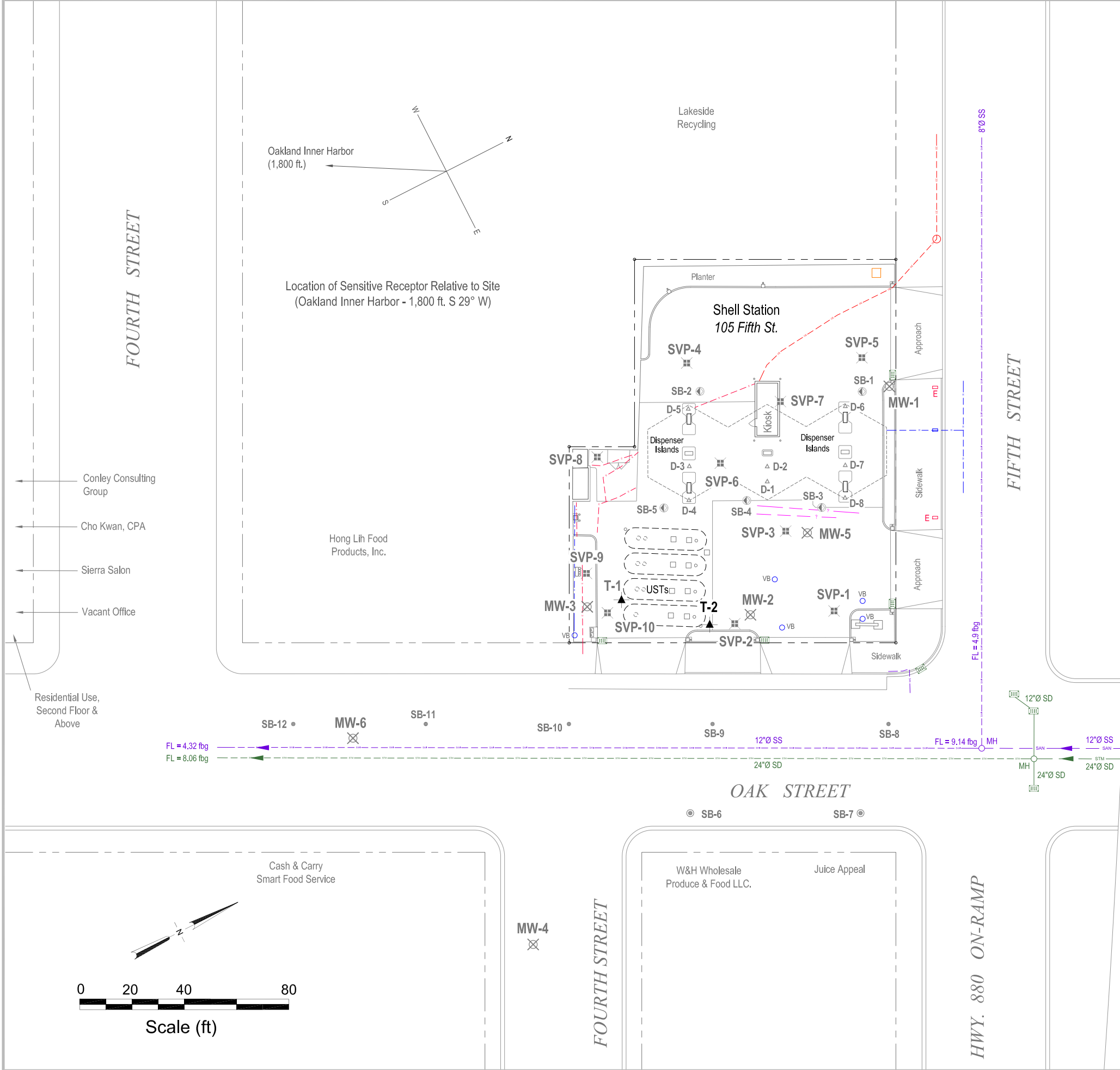


FIGURE 2



I:\Shell\6-chars\2404-1240472-Oakland 105 Fifth\2404-72-FIGURES\240472 SITE PLAN.DWG

- Conley Consulting Group
- Cho Kwan, CPA
- Sierra Salon
- Vacant Office
- Residential Use, Second Floor & Above

Cash & Carry Smart Food Service

W&H Wholesale Produce & Food LLC.

Juice Appeal

HIGHWAY 880 (ELEVATED)

HWY. 880 ON-RAMP

FOURTH STREET

FIFTH STREET

OAK STREET

FOURTH STREET

Oakland Inner Harbor (1,800 ft.)

Location of Sensitive Receptor Relative to Site (Oakland Inner Harbor - 1,800 ft. S 29° W)

Lakeside Recycling

Shell Station 105 Fifth St.

Hong Lih Food Products, Inc.

W&H Wholesale Produce & Food LLC.

Juice Appeal

HIGHWAY 880 (ELEVATED)

HWY. 880 ON-RAMP

FOURTH STREET

FIFTH STREET

OAK STREET

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Shell Station 105 Fifth St.

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W&H Wholesale Produce & Food LLC.

Juice Appeal

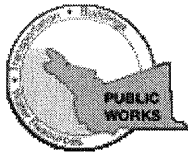
HIGHWAY 880 (ELEVATED)

HWY. 880 ON-RAMP

APPENDIX A

PERMITS

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: 07/20/2012 By jamesy

Permit Numbers: W2012-0529 to W2012-0535
Permits Valid from 08/27/2012 to 08/30/2012

Application Id: 1341956891975
Site Location: 105 Fifth Street, Oakland, CA
Project Start Date: 08/20/2012
Assigned Inspector: Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org
Extension Start Date: 08/27/2012
Extension Count: 1

City of Project Site:Oakland

Completion Date:08/24/2012
Extension End Date: 08/30/2012
Extended By: vickyh1

Applicant: Conestoga-Rovers & Assoc. - Bob Siegfried
202 Val Dervin Pkwy. Ste 400, Stockton, CA 95206
Property Owner: Dennis Shell Oil Products of U.S.
20945 S. Wilmington, Carson, CA 94588
Client: ** same as Property Owner **
Contact: Bob Siegfried

Phone: 209-323-7202

Phone: --

Phone: 209-998-6810
Cell: 209-481-7985

	Total Due:	\$2647.00
Receipt Number: WR2012-0233	Total Amount Paid:	\$2647.00
Payer Name : Conestoga-Rovers & Associates	PAID By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 6 Wells

Driller: Vapor Tech Services - Lic #: 916085 - Method: press

Work Total: \$2382.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2012-0529	07/20/2012	11/18/2012	MW-1	10.00 in.	4.00 in.	3.00 ft	24.00 ft	No Records	No Records	Logs Only
W2012-0530	07/20/2012	11/18/2012	MW-2	10.00 in.	4.00 in.	3.00 ft	24.00 ft	No Records	No Records	Logs Only
W2012-0531	07/20/2012	11/18/2012	MW-3	10.00 in.	4.00 in.	4.00 ft	25.00 ft	No Records	No Records	Logs Only
W2012-0532	07/20/2012	11/18/2012	MW-4	10.00 in.	4.00 in.	12.00 ft	25.00 ft	No Records	W02-0069	Logs Only
W2012-0533	07/20/2012	11/18/2012	MW-5	10.00 in.	4.00 in.	3.00 ft	24.00 ft	No Records	No Records	Logs Only
W2012-0534	07/20/2012	11/18/2012	MW-6	10.00 in.	4.00 in.	3.00 ft	24.00 ft	No Records	W02-0766	Logs Only

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the

Alameda County Public Works Agency - Water Resources Well Permit

permits and requirements have been approved or obtained.

3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or 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.
4. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
5. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost and liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.
6. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org 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.
7. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
8. Remove the Christy box or similar structure. Destroy wells MW-1, MW-2, MW-3 and MW-5 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.
9. Remove the Christy box or similar structure. Destroy wells MW-4 and MW-6 by overdrilling the upper 5ft BGS & Tremie Grouting with Cement. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
10. 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.

Well Destruction-Vapor monitoring well - 9 Wells

Driller: Vapor Tech Services - Lic #: 916085 - 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 #
W2012-0535	07/20/2012	11/18/2012	SVP-1	2.00 in.	0.25 in.	3.50 ft	5.00 ft	No Record	No Record	Logs Only
W2012-0535	07/20/2012	11/18/2012	SVP-10	2.00 in.	0.25 in.	3.50 ft	5.00 ft	No Record	No Record	Logs Only
W2012-	07/20/2012	11/18/2012	SVP-2	2.00 in.	0.25 in.	3.50 ft	5.00 ft	No Record	No Record	Logs Only

Alameda County Public Works Agency - Water Resources Well Permit

0535

W2012-0535	07/20/2012	11/18/2012	SVP-3	2.00 in.	0.25 in.	3.50 ft	5.00 ft	No Record	No Record	Logs Only
W2012-0535	07/20/2012	11/18/2012	SVP-4	2.00 in.	0.25 in.	3.50 ft	5.00 ft	No Record	No Record	Logs Only
W2012-0535	07/20/2012	11/18/2012	SVP-5	2.00 in.	0.25 in.	3.50 ft	5.00 ft	No Record	No Record	Logs Only
W2012-0535	07/20/2012	11/18/2012	SVP-6	2.00 in.	0.25 in.	3.50 ft	5.00 ft	No Record	No Record	Logs Only
W2012-0535	07/20/2012	11/18/2012	SVP-8	2.00 in.	0.25 in.	3.50 ft	5.00 ft	No Record	No Record	Logs Only
W2012-0535	07/20/2012	11/18/2012	SVP-9	2.00 in.	0.25 in.	3.50 ft	5.00 ft	No Record	No Record	Logs Only

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.
2. Compliance with the above 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, including permit number and site map.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
5. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an 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.
6. No changes in construction procedures or well type shall change, as described on this permit application. This permit may be voided if it contains incorrect information.
7. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
8. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org 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.

Alameda County Public Works Agency - Water Resources Well Permit

9. Remove the Christy box or similar structure. Overdrill or clean out to original depth. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.

10. 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.

11. Vapor monitoring wells constructed with tubing shall be decommissioned by complete removal of tubing, grout seal, and fill material of sand or bentonite. Fill material may be removed by hand auger if material can be removed completely.

Vapor monitoring wells constructed with pvc pipe less than 2" shall be overdrilled to total depth.

Vapor monitoring wells constructed with 2" pvc pipe or larger may be grouted by tremie pipe (any depth) or pressure grouted (less than 30', 25 psi for 5 min).

CITY OF OAKLAND • Department of Planning, Building and Neighborhood Preservation
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

Appl# X1201391 Job Site 105 5TH ST Parcel# 001 -0163-003-00

Descr Abandon monitoring well on 4th St side. Alameda Permit Issued 07/17/12
County documentation provided. Call PWA INSPECTION prior to
start: 510-238-3651. 4th FLOOR.

Work Type EXCAVATION-PRIVATE P Non-Metered

USA # Util Co. Job # 240472 Acctg#:
Util Fund #:

Applc# Phone# Lic# --License Classes--
Owner HANSEN ARTHUR R & MARY A TRS &
Contractor VAPOR TECH SERVICES X (415) 378-0415 916085 C57
Arch/Engr
Agent CRA/B SIEGFRIED (209) 983-6810
Applic Addr 1348 66TH ST, BERKELEY CA, 94702

JOB SITE

\$436.05 FEES TO BE PAID AT ISSUANCE	
\$71.00 Applic	\$309.00 Permit
\$.00 Process	\$36.10 Rec Mgmt
\$.00 Gen Plan	\$.00 Invstg
\$.00 Other	\$19.95 Tech Enh

Permit Issued By _____ Date: _____

Inspection Routing:

Inits	Date
_____	_____
_____	_____
_____	_____
_____	_____

FLD-CHK/Pre-Con
Excavation/Anchor Installation
Sidewalk repair mark-out
Concrete repair
Finalled

CITY OF OAKLAND

Date: 07/26/12 Amt Paid: \$1,557.21
By: SYK Register R03 Receipt# 169102

Applications for which no permit is issued within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

Permit No. X1201391 Parcel #: 001 -0163-003-00
Project Address: 105 5TH ST

Page 2 of 2

Licensed Contractors' Declaration

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Construction Lending Agency Declaration

I hereby affirm under penalty of perjury that there is a construction-lending agency for the performance of the work for which this permit is issued, as provided by Section 3097 of the Business and Professions Code. N/A under Lender implies No Lending Agency.

Lender _____ Address _____

Workers' Compensation Declaration

I hereby affirm under penalty of perjury one of the following declarations:

I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

CARRIER: _____ POLICY NO. _____

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS, IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3707 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

Hazardous Materials Declaration

I hereby affirm that the intended occupancy WILL WILL NOT use, handle or store any hazardous, or acutely hazardous, materials. (Checking "WILL" acknowledges that Sections 25505, 25533, & 25534 of the Health & Safety Code, as well as filing instructions, were made available to you.)

I HEREBY CERTIFY THE FOLLOWING: That I have read this document; that the above information is correct; and that I have truthfully affirmed all applicable declarations contained in this document. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection. I am fully authorized by the owner and to perform the work authorized by this permit.

PRINT NAME _____

Signature Contractor, or Agent _____

Date _____

Applications for which no permit is issued within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

Appl# X1201392 Job Site 105 5TH ST Parcel# 001 -0163-003-00

Descr Abandon monitoring well on Oak St side. Alameda County documentation provided. Call PWA INSPECTION prior start: 510-238-3651. 4th FLOOR. Permit Issued 07/17/12

Work Type EXCAVATION-PRIVATE P Non-Metered

USA # Util Co. Job # 240472 Acctg#:
Util Fund #:

Owner HANSEN ARTHUR R & MARY A TRS &
Contractor VAPOR TECH SERVICES X (415) 378-0415 916085 C57
Arch/Engr
Agent CRA/B SIEGFRIED (209) 983-6810
Applic Addr 1348 66TH ST, BERKELEY CA, 94702

\$436.05 FEES TO BE PAID AT ISSUANCE
\$71.00 Applic \$309.00 Permit
\$.00 Process \$36.10 Rec Mgmt
\$.00 Gen Plan \$.00 Invstg
\$.00 Other \$19.95 Tech Enh

JOB SITE

Permit Issued By _____ Date: _____

Inspection Routing:
Inits Date

FLD-CHK/Pre-Con
Excavation/Anchor Installation
Sidewalk repair mark-out
Concrete repair
Finalled

ADDRESS:

DATE:

CITY OF OAKLAND

Date: 07/26/12 Amt Paid: \$2,557.21
By: SYK | Register R03 Receipt# 169102

Applications for which no permit is issued within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

Permit No. X1201392 Parcel #: 001 -0163-003-00
Project Address: 105 5TH ST

Page 2 of 2

Licensed Contractors' Declaration

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Construction Lending Agency Declaration

I hereby affirm under penalty of perjury that there is a construction-lending agency for the performance of the work for which this permit is issued, as provided by Section 3097 of the Business and Professions Code. N/A under Lender implies No Lending Agency.

Lender _____ Address _____

Workers' Compensation Declaration

I hereby affirm under penalty of perjury one of the following declarations:

[] I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

[] I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

CARRIER: _____ POLICY NO. _____

[] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS, IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3707 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

Hazardous Materials Declaration

I hereby affirm that the intended occupancy [] WILL [] WILL NOT use, handle or store any hazardous, or acutely hazardous, materials. (Checking "WILL" acknowledges that Sections 25505, 25533, & 25534 of the Health & Safety Code, as well as filing instructions, were made available to you.)

I HEREBY CERTIFY THE FOLLOWING: That I have read this document; that the above information is correct; and that I have truthfully affirmed all applicable declarations contained in this document. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection. I am fully authorized by the owner and to perform the work authorized by this permit.

PRINT NAME _____ Signature [] Contractor, or [] Agent _____ Date _____

ADDRESS:

U

Applications for which no permit is issued within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

Appl# OB120654 Job Site 105 5TH ST Parcel# 001 -0163-003-00

Reroute vehicular traffic Oak and 4th St per TSD 12-0124. Permit Issued 07/26/12
and reserve 200', 4 spaces on each side of Oak; and 125',
5 spaces on 4th St south side. NON-CONSECUTIVE DAYS

NON-CONSECUTIVE DAYS

Nbr of days: 3 Linear feet: 675
Effective: 08/21/12 Expiration: 08/29/12

SHORT TERM NON-METERED

Applicant Phone# Lic# --License Classes--
Owner HANSEN ARTHUR R & MARY A TRS &
Contractor VAPOR TECH SERVICES X (415)378-0415 916085 C57
Arch/Engr
Agent CRA/B SIEGFRIED (209)983-6810
Applic Addr 1348 66TH ST, BERKELEY CA, 94702

\$1,685.11 FEES TO BE PAID AT FILING \$.00 FEES TO BE PAID AT ISSUANCE
\$71.00 Applic \$1,397.50 Permit
\$.00 Process \$139.51 Rec Mgmt
\$.00 Gen Plan \$.00 Invstg
\$.00 Other \$77.10 Tech Enh

JOB SITE

TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

Applicant: _____
Issued by: _____

CITY OF OAKLAND

ADDRESS:

D/

Date: 07/26/12 Amt Paid: \$2,557.21
By: SYK Register ROS Receipt# 169102



REQUEST FOR OVERTIME PLAN CHECK

EFFECTIVE JULY 6th 2010

250 Frank H. Ogawa Plaza
 Second Floor, Suite 2114
 Oakland, CA 94612
 (510) 238-6993
 Fax (510) 238-2263

I hereby request plan check services **OUTSIDE OF NORMAL WORK HOURS**. I understand that the plan check I am requesting can involve staff of multiple departments including: Building Services, Planning & Zoning, and Fire. I further understand that staff will perform plan check and permit processing work that involves review of survey, grading, plot plan and structural plans for compliance with the Fire Code, Building Code and Planning Code.

I agree to pay the overtime rates listed below. I understand that I will be charged a one-hour minimum by each department I select. I understand that the plan reviewer may determine that review by other departments is required. The plan reviewer will make a reasonable effort to notify me if referral to another department is deemed necessary.

I understand that the City of Oakland will not guarantee immediate availability of staff that can perform work outside of normal work hours, but will make reasonable effort to provide expedited service.

Bob Siegfried 7/17/2012
 Applicant's Signature Date
 Bob Siegfried 209 323-7202
 Print Name Phone No.
 bsiegfried@craeworld.com 209 983 6960
 Email Address Fax No.

<u>COMPLETE THE FOLLOWING INFORMATION:</u>		
Permit Application #:	<u>ERM100216 & ENM102216</u>	
Zoning/Design Review Application #:	_____	
Project Address:	<u>105 . 5 . ST</u>	
Type of Project/Work:	<u>ABANDON M. wells</u>	
<input type="checkbox"/> REQUEST BUILDING (plan review & processing) <input type="checkbox"/> REQUEST FIRE <input type="checkbox"/> REQUEST ZONING		
<i>No specific plan checker may be requested. Overtime work is assigned based on plan checker's availability for fastest turnaround.</i>		
<u>OFFICE USE ONLY</u>		
Plan Checker Assigned: _____	Hours @ \$219.18/hr* _____	
Process Coordinator Assigned: _____	Hours @ \$219.18/hr* _____	
Approved By: _____	Date: _____	Amount Due: \$ _____
Planner Assigned: _____	Hours @ \$219.18/hr* _____	
Approved By: _____	Date: _____	Amount Due: \$ _____
Fire Prevention Engineer Assigned: _____	Hours @ \$404.15*/hr.: _____	
Approved By: _____	Date: _____	Amount Due: \$ _____

*includes 9.5% Records Management and 5.25% Technology Enhancement fees.



CEDA - PERMIT CENTER
250 Frank H. Ogawa Plaza
2nd Fl., Suite 2114
Oakland, California 94612
(510) 238-3891

ENCROACHMENT PERMIT APPLICATION REQUIREMENTS

Authority: Oakland Municipal Code Chapter 12.08.080

1. **Letter** from the property owner requesting the encroachment detailing scope of encroachment. If application is a requirement of a tentative map, provide copy of **Zoning Conditions of Approval letter**. If related to any other application, reference that application number. The letter is to be addressed to the **City Engineer**, and sent to: **Community & Economic Development Agency (CEDA) 250 Frank H. Ogawa Plaza, Suite 2340, Oakland, California 94612**
2. **Legible, detailed site plan** on 8½" x 11" sheet that clearly delineates the proposed encroachments with dimensions, elevations, north arrow, street name, right-of-way and sidewalk widths, building addresses, existing features including property lines, face of curb, sidewalks, edge of pavement, face of adjacent building, and existing sidewalk obstructions such as joint poles, utility boxes, hydrants, parking meters, signage etc. Samples on reverse.
3. **Non-refundable fees***:

Single family dwelling or duplex ENMI	\$682.77
Other occupancy types ENMI	1,133.73
Major encroachment permit ENMJ	2,336.31
Legalize existing encroachment or legalize illegal encroachment	2,035.67
Amend or rescind existing encroachment	382.12
Bicycle Parking Rack	123.94

4. **Certificate of Insurance** that complies with the City's standard insurance requirement. Minimum acceptable is to include City of Oakland as "additionally insured" or "other interest(s)". See below for insurance policy liability minimum requirements.
5. **Copy of the most current, legible, recorded Grant Deed with legal description.**

NOTE: A legal, binding indenture agreement will be created. It needs to be signed properly, notarized and returned to the City before any work related to the encroachment may be started. The document will be recorded with the County of Alameda. Notary must comply with conditions in the current State of California Notary Public Handbook. Noncompliant documents will be rejected and will need to be re-signed and notarized properly.

Standard insurance requirements for encroachment permits

The permittee(s) shall maintain fully in force and effect at all times that the encroachment occupies the public right-of-way good and sufficient public liability insurance in a face amount not less than \$300,000.00 for each occurrence, and property damage insurance in a face amount not less than \$50,000.00 for each occurrence, both including contractual liability, insuring the City of Oakland, its officers, agents, employees, and volunteers against any and all claims arising out of the existence of the encroachment in the public right-of-way, as respects liabilities assume under this permit, and that a certificate of such insurance and subsequent notices of the renewal thereof, shall be filed with the City Engineer of the City of Oakland, and that such certificate shall state that the insurance coverage shall not be canceled or be permitted to lapse without thirty calendar (30) days written notice to the City Engineer. The permittee(s) also agree that the City of Oakland may review the type and amount of insurance required of the permittee(s) annually and may require the permittee(s) to increase the amount of and/or change the type of insurance coverage required.

The foregoing endorsements and the following endorsement must be specified in the certificate of insurance:

"Notwithstanding any other provision in this policy, the insurance afforded hereunder to the City of Oakland shall be primary as to any other insurance or reinsurance covering or available to the City of Oakland, and such other insurance or reinsurance shall not be required to contribute to any liability of loss until and unless the appropriate limit of liability afforded hereunder is exhausted."

Important information on reverse...

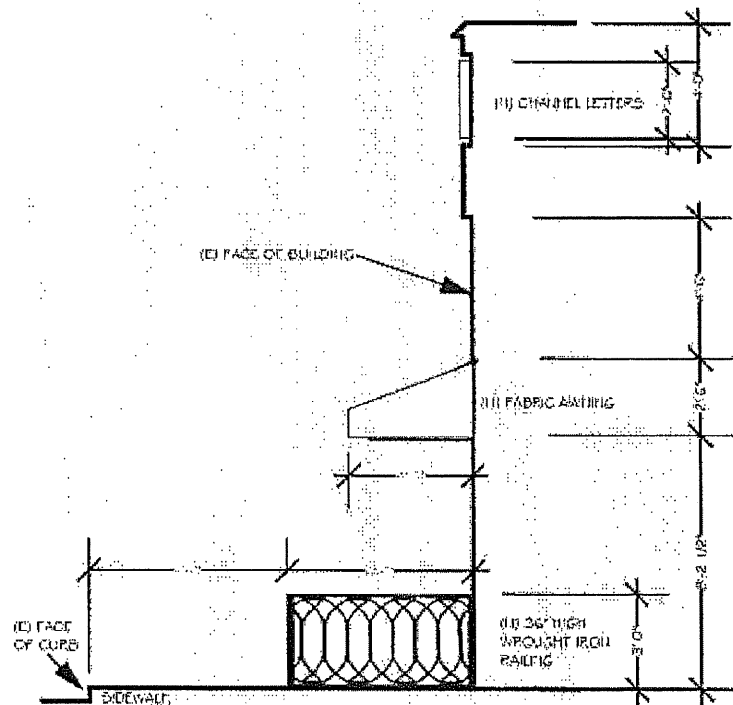
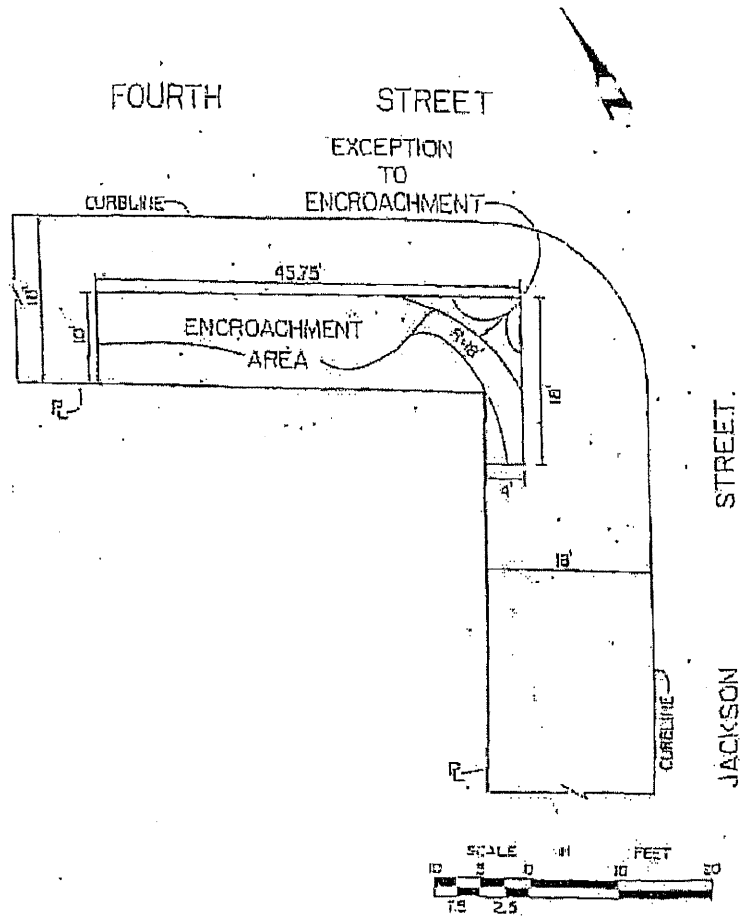
Important Information

- Encroachment -- any object or structure placed either in, under, or over any City street or any other public property in which the City has an easement or other interest.
- Permit is discretionary and encroachment may not be allowed.
- Agreement is always only between property owner and City of Oakland, not business owner or lessee.
- No above-ground structure is allowed within five feet (5') of edge of pavement on unimproved streets (17.124.030).
- Insurance policy holder is always only property owner; not agent, contractor or consultant.
- Agreement must be notarized exactly as name(s) appear on the deed. For example, John Fredrick Smith should not be notarized as Johnny Smith.
- Encroachment permits will not be granted to allow private use of the Public Right-of-Way.
- Ensure notary stamp is clear and legible. Smudged, illegible documents will be rejected.

Correct Notary



Incorrect



SECTION



Procedure for Permit Applications for Installing Ground-Water Monitoring Wells Located Within the Public Right-of-Way

1. A **letter** from the property owner requesting an encroachment permit for monitoring well(s); addressed to the **City Engineer**, send or bring to:

City Engineer, Community & Economic Development Agency (CEDA), Permit Center,
 250 Frank H. Ogawa Plaza, Suite 2340, Oakland, California 94612.

2. A **site plan** on 8½" x 11" sheet that clearly shows the proposed well(s), dimensions, north arrow, street name, right-of-way and sidewalk widths, property lines, curbs, building addresses. Include sidewalk obstructions such as poles, utility boxes, hydrants, etc.
3. Generally, well(s) are **not allowed in the sidewalk area**. Preferably located in parking lane to minimize traffic disruption.

4. **Non-refundable fees per current Master Fee Schedule:**

Minor encroachment permit ENMI	\$1,133.73
Rescission of existing encroachment*	\$382.12

5. A **Certificate of Insurance** that complies with the City's standard insurance requirement. Minimum acceptable wording is to include City of Oakland as "additionally insured" or "other interest(s)". See Standard Insurance Requirements for Encroachment Permits below for insurance policy liability dollar minimum requirements. Policy to cover property owner, not consultant or contractor.
6. A **copy of the most current, legible recorded Grant Deed with legal description**.

NOTE: A legal, binding indenture agreement will be drafted with the above information that you provide. It will need to be properly signed and notarized and returned to the City of Oakland before any work related to the encroachment may be started. The document will be recorded with the County of Alameda.

7. Detailed drawing of well cover and casing.
8. Once the Indenture Agreement has been received by the City of Oakland, properly signed & notarized, the drilling contractor may apply for an Excavation permit. Fee based per single block. If more than one well is required around the corner or past the nearest intersection, separate permits are required.
9. When monitoring well is to be removed, another excavation permit will be required for well abandonment. See next page for details on **Procedure to Rescind Minor Encroachment Permit for Monitoring Wells**.

Standard Insurance Requirements for Encroachment Permits

The permittee(s) shall maintain fully in force and effect at all times that the encroachment occupies the public right-of-way good and sufficient public liability insurance in a face amount not less than \$300,000.00 for each occurrence, and property damage insurance in a face amount not less than \$50,000.00 for each occurrence, both including contractual liability, insuring the City of Oakland, its officers, agents, employees, and volunteers against any and all claims arising out of the existence of the encroachment in the public right-of-way, as respects liabilities assume under this permit, and that a certificate of such insurance and subsequent notices of the renewal thereof, shall be filed with the City Engineer of the City of Oakland, and that such certificate shall state that the insurance coverage shall not be canceled or be permitted to lapse without thirty calendar (30) days written notice to the City Engineer. The permittee(s) also agree that the City of Oakland may review the type and amount of insurance required of the permittee(s) annually and may require the permittee(s) to increase the amount of and/or change the type of insurance coverage required.

The foregoing endorsements and the following endorsement must be specified in the certificate of insurance.

"Notwithstanding any other provision in this policy, the insurance afforded hereunder to the City of Oakland shall be primary as to any other insurance or reinsurance covering or available to the City of Oakland, and such other insurance or reinsurance shall not be required to contribute to any liability of loss until and unless the appropriate limit of liability afforded hereunder is exhausted."

Rescission procedures: other side



Procedure to Rescind Minor Encroachment Permit for Monitoring Wells

Removing the Well(s):

1. Upon completion of monitoring work, permittee shall apply for an excavation permit for well removal. The following items are required to be submitted:
 - **Location map** identifying well(s) to be removed;
 - **Alameda County Public Works Agency Decommissioning & Closure Specifications** letter;
 - **Permit fee** for excavation permit per current Master Fee Schedule: **\$436.05**.
 - **Letter of Authorization** from the contractor doing the work. If you are a consultant and are planning on having a licensed drilling (C-57) contractor perform the work, you will need a letter from that contractor on the company letter head, signed by the principal owner naming your company and you as authorized to obtain the excavation permit under the contractor's license number. Make certain that contractor has a valid state license and a current City of Oakland Business Tax License.

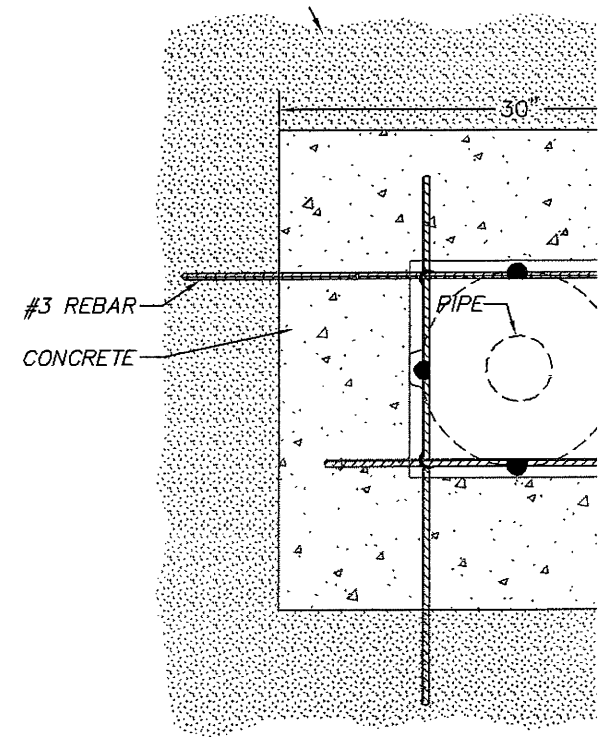
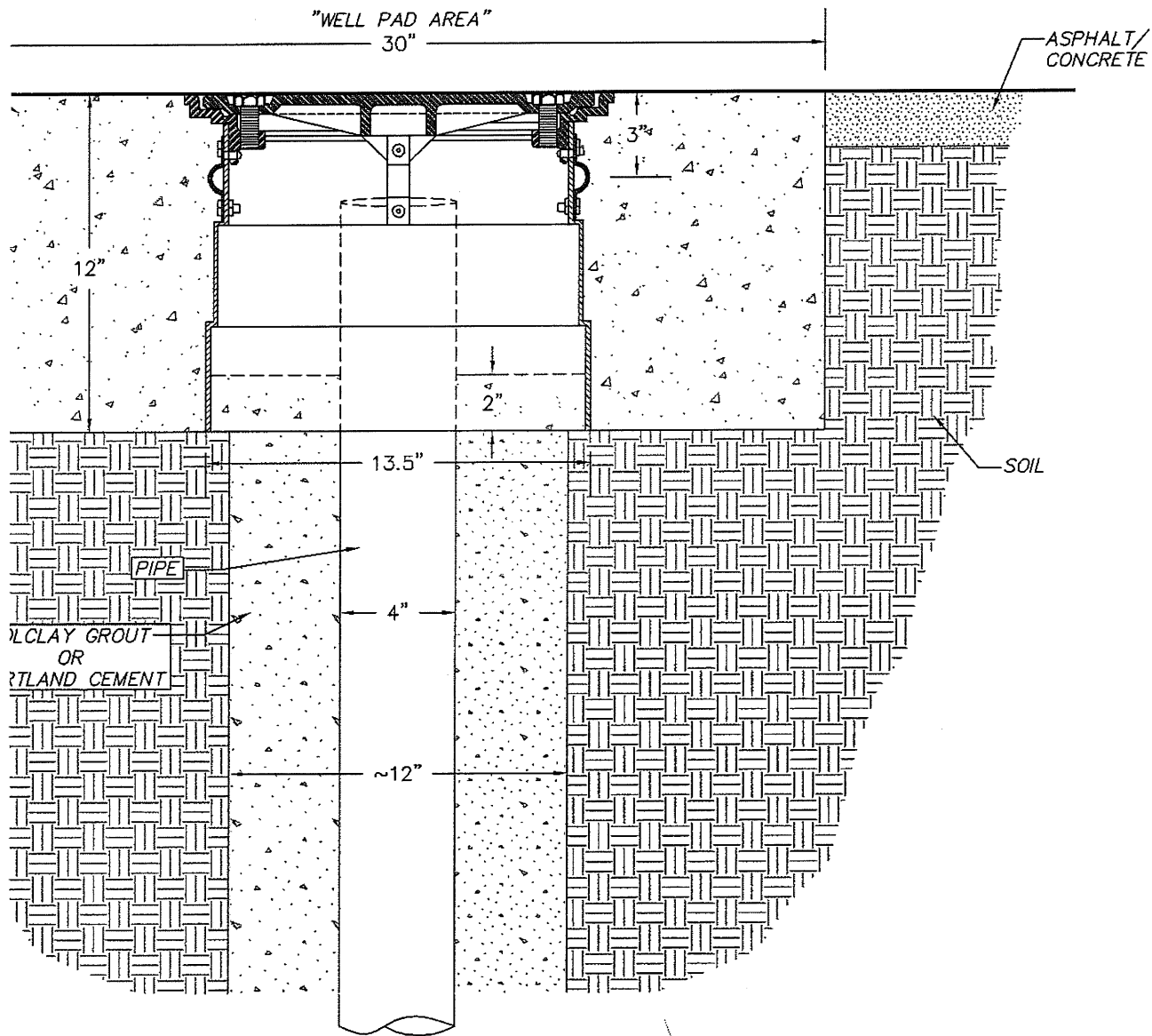
Rescinding the Encroachment:

2. Upon completion of removal and restoration of disturbed areas, permittee shall request rescission of the minor encroachment permit that originally allowed the well(s) to exist in the Public Right-of-Way. Note: all wells originally covered in the encroachment permit would have to be removed before the encroachment permit may be rescinded. Request rescission by:
 - A letter **referencing the original City of Oakland encroachment permit application number** submitted by the property owner or agent requesting rescission of the monitoring well(s) encroachment; addressed to:
City Engineer, Community & Economic Development Agency (CEDA), 250
Frank H. Ogawa Plaza, Suite 2340, Oakland, California 94612.
 - **Alameda County Health Care Services Agency Well Destruction Application Approval** letter;
 - Final monitoring report;
 - As-built drawing of well location;
 - **Permit fee** for rescission of encroachment per current Master Fee Schedule: **\$382.12**.

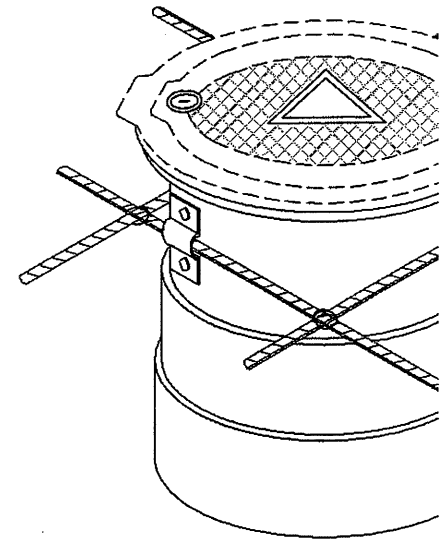
Other Related permit(s):

3. An **OBstruction permit** is needed if you are planning on reserving parking spaces related to the work of removing the monitoring wells. Permit fees are based on the number and type of parking spaces (metered or non-metered) and number of days you will need. Refer to the current **OBstruction Permit Rate Sheet** for detailed fee information.
4. If traffic is being blocked, a Traffic Control Plan will need to be submitted and approved. Visit the **CEDA Transportation Services** website at:
http://www.oaklandnet.com/government/ceda/dcsd_transportationservices_app_tcp.asp for more information on submittal requirements.

Installation procedures: other side



REBAR DET



SPECIFICATIONS FOR WELL BOX INSTALLATION

Installation Requirements:

GENERAL REQUIREMENTS

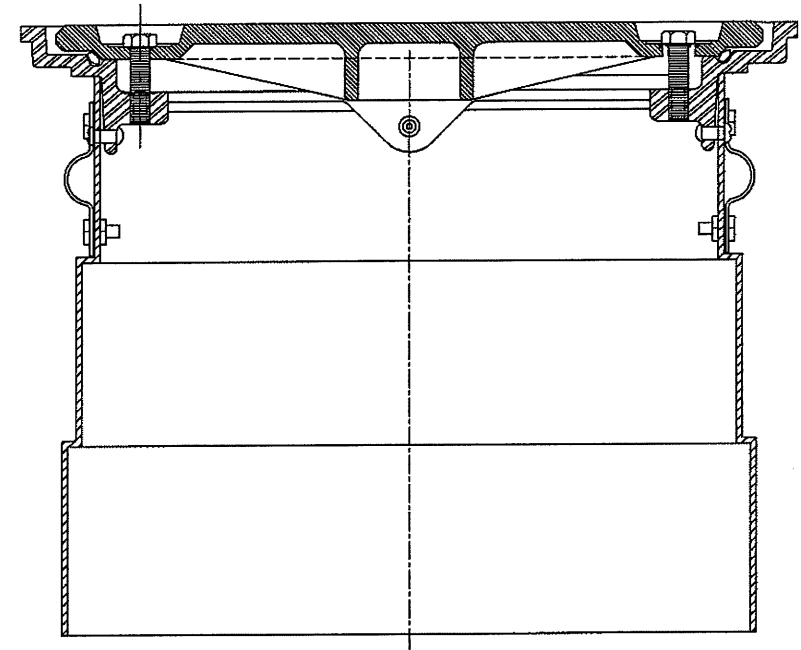
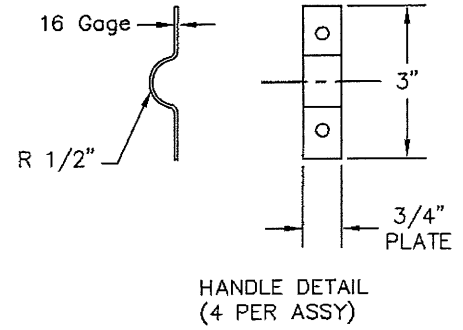
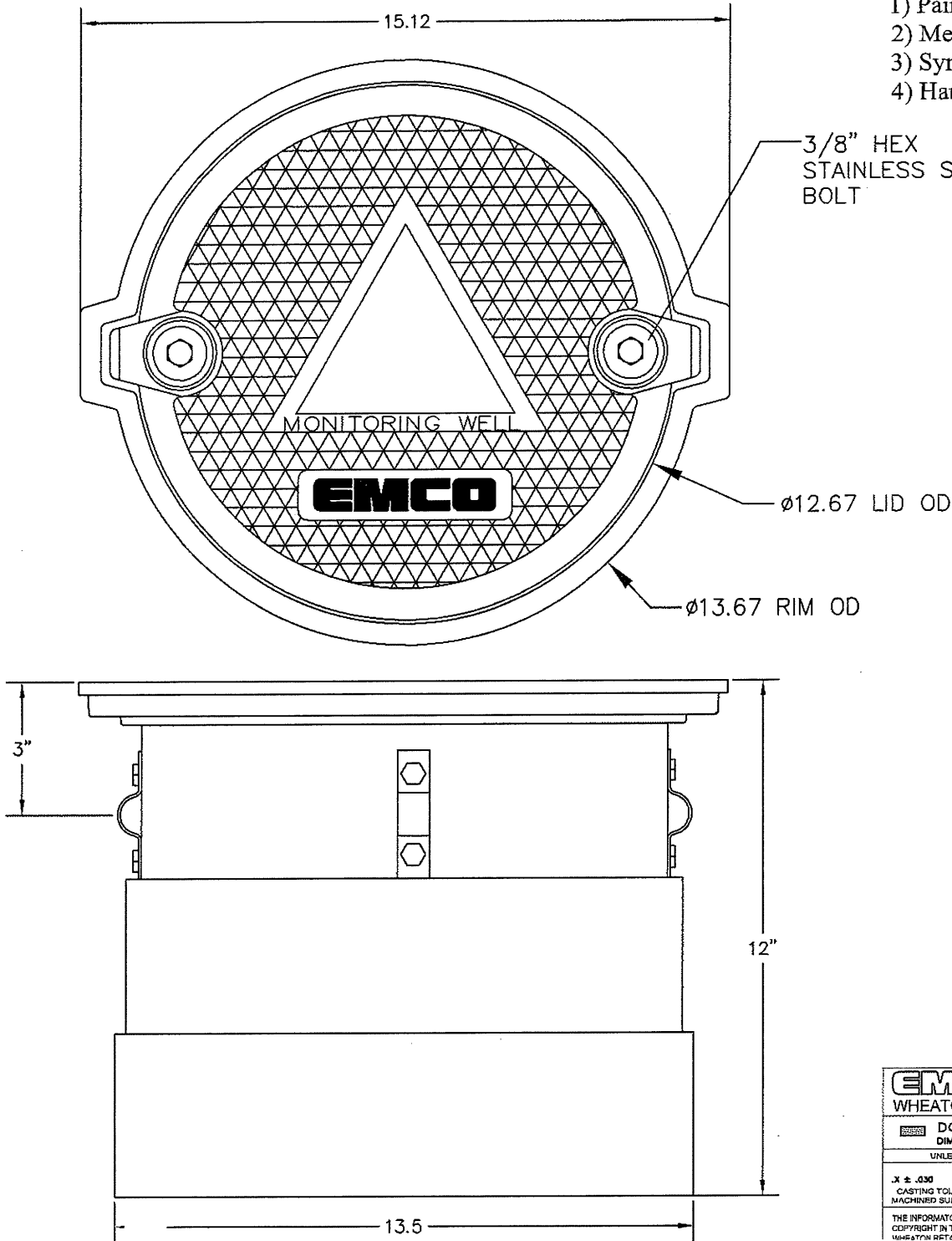
1. Safety – Subcontractor or Contractor shall provide a Health and Safety Plan that specifically addresses eye protection requirements, including but not limited to eye protection that is required to be worn during concrete cutting, concrete drilling and rebar installation.
2. ConocoPhillips will designate what sites this well box specification applies to (e.g., retail marketing sites, terminals and refineries). This specification does not apply to monitor well installations in unpaved areas. The procedure for well box installation in unpaved areas should be reviewed and approved by COP Site Manager.

SPECIFIC REQUIREMENTS

1. Installer shall prepare area by saw cutting a 30-inch square (no over cuts) to a depth of at least 12 inches as detailed in Cross Section.
2. The use of customized Emco Wheaton well boxes are required. This customized box includes 4 rebar eyeholes and is available at a discounted price for ConocoPhillips subcontractors (contact information provided below).
3. After hole clearing/excavation activities, the soil shall be properly compacted.
4. The new well box is to be set to grade and #3 rebar is to be installed.
 - a. The rebar shall be doweled into the side of the concrete/asphalt/soil to a minimum depth of 3 inches using a 3/8-inch drill as detailed in Plan View.
5. Once the box and rebar are set, concrete shall be poured around the box as detailed in the Cross Section as follows.
 - a. Concrete shall be an 8-sack mix comprised of 6 sacks of Type A concrete and 2 sacks Type 2 or Type 5 (calcium chloride), having a mix ratio not to exceed 25% calcium chloride.
 - b. To the extent possible, concrete shall match existing surface color.
6. Once concrete is poured, subcontractor shall allow at least 2 hours for concrete to set. If concrete is set in poor weather (i.e., rain/damp, cloudy, etc.), contractor shall allow additional/adequate time for concrete to fully dry.

EMCO WHEATON CONTACT INFORMATION

- 1) Painted rim & lid are white with black triangle.
- 2) Meets H20 load rating.
- 3) Synthetic rubber seal for water tight lid.
- 4) Handles attached with 1/4" nuts and bolts.



CROSS SECTION

EMCO® WHEATON RETAIL		EMCO WHEATON RETAIL CORPORATION 2300 INDUSTRIAL PARK DRIVE WILSON, N.C. 27893			
DO NOT SCALE DRAWING—WORK TO DIMENSIONS SHOWN DIMENSIONS ARE IN INCHES (DIMENSIONS IN BRACKETS ARE IN MILLIMETERS)				PART NAME	
UNLESS OTHERWISE SPECIFIED:		DRAWN BY	DATE	USED ON	DATE
DECIMALS		MMS	2/11/05	A0721-00100	
ANGLES		CHECKED BY	DATE	PROJECT NUMBER	
X ± .030				MONITOR MANHOLE 12" X 12" PLASTIC SKT (Conoco)	
XX ± .015				REVISIONS	
XXX ± .005				DATE	
± 1°					
CASTING TOLERANCES TO INDUSTRY STANDARDS MACHINED SURFACES TO 125 RMS REMOVE ALL BURRS				DATE	
THE INFORMATION AND DESIGN DISCLOSED BY AND THE COPYRIGHT IN THIS DRAWING ARE THE PROPERTY OF EMCO WHEATON RETAIL. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.				DATE	
APPROVED BY				SCALE	WEIGHT
MATERIAL				SIZE	DRAWING
CASTING NUMBER				REV	



REQUEST FOR OVERTIME PLAN CHECK

EFFECTIVE JULY 6th 2010

250 Frank H. Ogawa Plaza
Second Floor, Suite 2114
Oakland, CA 94612
(510) 238-6993
Fax (510) 238-2263

I hereby request plan check services ***OUTSIDE OF NORMAL WORK HOURS***. I understand that the plan check I am requesting can involve staff of multiple departments including: Building Services, Planning & Zoning, and Fire. I further understand that staff will perform plan check and permit processing work that involves review of survey, grading, plot plan and structural plans for compliance with the Fire Code, Building Code and Planning Code.

I agree to pay the overtime rates listed below. I understand that I will be charged a one-hour minimum by each department I select. I understand that the plan reviewer may determine that review by other departments is required. The plan reviewer will make a reasonable effort to notify me if referral to another department is deemed necessary.

I understand that the City of Oakland will not guarantee immediate availability of staff that can perform work outside of normal work hours, but will make reasonable effort to provide expedited service.

Applicant's Signature	Date
Print Name	Phone No.
Email Address	Fax No.

COMPLETE THE FOLLOWING INFORMATION:

Permit Application #: _____

Zoning/Design Review Application #: _____

Project Address: _____

Type of Project/Work: _____

- REQUEST BUILDING (plan review & processing)

 REQUEST FIRE

 REQUEST ZONING

No specific plan checker may be requested. Overtime work is assigned based on plan checker's availability for fastest turnaround.

OFFICE USE ONLY

Plan Checker Assigned: _____ Hours @ \$219.18/hr* _____

Process Coordinator Assigned: _____ Hours @ \$219.18/hr* _____

Approved By: _____ Date: _____ Amount Due: \$ _____

Planner Assigned: _____ Hours @ \$219.18/hr* _____

Approved By: _____ Date: _____ Amount Due: \$ _____

Fire Prevention Engineer Assigned: _____ Hours @ \$404.15*/hr.: _____

Approved By: _____ Date: _____ Amount Due: \$ _____

250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, California 94612

EXCAVATION

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

VALID FOR 90 DAYS FROM DATE OF ISSUANCE

PROPERTY OWNER NAME		SITE ADDRESS	
APPROX START DATE	APPROX END DATE	24-HOUR EMERGENCY PHONE NUMBER	
CONTRACTOR'S LICENSE NUMBER AND CLASS		PERMIT NUMBER X 1 2 0	
<p>ATTENTION:</p> <ul style="list-style-type: none"> State law, Government Code Section 4216-4216.9, requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. Call USA at 811, 1-800-227-2600 or online: www.usanorth.org. Underground Service Alert (USA) ticket #: 48 hours prior to starting work, you must call 510-238-3651 to schedule an inspection. 48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill). 			

OWNER/BUILDER
I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt there from and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than \$500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended offered for sale (Sec. 70044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he/she did not build or improve for the purpose of sale).

I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption in this subdivision on more than two structures more than once during any three-year period. (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).

I am exempt under Sec. _____ B&PC for this reason _____

WORKER'S COMPENSATION
I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab C).
Policy # _____ Company Name _____
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars (\$100) or less).

NOTICE TO APPLICANT
If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12, Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

X

Signature of Permittee Agent for Contractor Owner _____ Date _____

DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED <input type="checkbox"/> YES <input type="checkbox"/> NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) <input type="checkbox"/> YES <input type="checkbox"/> NO	LIMITED OPERATION AREA? (7AM - 9AM & 4 PM - 6PM) <input type="checkbox"/> YES <input type="checkbox"/> NO
ISSUED BY _____		DATE ISSUED _____	

SHORT-TERM METER
[14 days or less]

Base Rate = \$34.50 / Meter

Days	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1 Day	121.06	160.66	200.24	239.83	279.42	319.01	358.59	398.18	437.77	477.36	516.95	556.54	596.13	635.72
2 Days	160.65	239.83	319.01	398.18	477.36	556.54	635.72	714.89	794.07	873.25	952.43	1,031.60	1,110.78	1,189.96
3 Days	200.24	319.01	437.77	556.54	675.30	794.07	912.84	1,031.60	1,150.37	1,269.14	1,387.91	1,506.68	1,625.45	1,744.22
4 Days	239.83	398.18	556.54	714.89	873.25	1,031.60	1,189.96	1,348.31	1,506.68	1,665.02	1,823.38	1,981.73	2,140.09	2,298.44
5 Days	279.42	477.36	675.30	873.25	1,071.19	1,269.14	1,467.08	1,665.02	1,862.97	2,060.91	2,258.85	2,456.80	2,654.74	2,852.69
6 Days	319.01	556.54	794.07	1,031.60	1,269.14	1,506.68	1,744.22	1,981.73	2,219.27	2,456.80	2,694.34	2,931.88	3,169.42	3,406.96
7 Days	358.59	635.72	912.84	1,189.96	1,467.08	1,744.22	2,021.32	2,298.44	2,575.56	2,852.69	3,129.81	3,406.93	3,684.05	3,961.17
8 Days	398.18	714.89	1,031.60	1,348.31	1,665.02	1,981.73	2,298.44	2,615.15	2,931.86	3,248.57	3,565.28	3,881.99	4,198.70	4,515.41
9 Days	437.77	794.07	1,150.37	1,506.68	1,862.97	2,219.27	2,575.56	2,931.86	3,288.16	3,644.46	4,000.76	4,357.06	4,713.36	5,069.66
10 Days	477.36	873.25	1,269.14	1,665.02	2,060.91	2,456.80	2,852.69	3,248.57	3,644.46	4,040.35	4,436.24	4,832.12	5,228.01	5,623.90
11 Days	516.95	952.43	1,387.91	1,823.38	2,258.85	2,694.34	3,129.81	3,565.28	4,000.76	4,436.24	4,871.71	5,307.19	5,742.66	6,178.14
12 Days	556.54	1,031.60	1,506.68	1,981.73	2,456.80	2,931.86	3,406.93	3,881.99	4,357.06	4,832.12	5,307.19	5,782.25	6,257.32	6,732.38
13 Days	596.13	1,110.78	1,625.43	2,140.09	2,654.74	3,169.42	3,684.05	4,198.70	4,713.36	5,228.01	5,742.66	6,257.32	6,771.97	7,286.63
14 Days	635.72	1,189.96	1,744.22	2,298.44	2,852.69	3,406.93	3,961.17	4,515.41	5,069.66	5,623.90	6,178.14	6,732.38	7,286.63	7,840.87

LONG-TERM METER

Base Rate = \$1,037 / Meter

Months	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1 Month	1,271.43	2,461.39	3,651.35	4,841.30	6,031.26	7,221.22	8,411.18	9,601.13	10,791.09	11,981.05	13,171.01	14,360.96	15,550.92	16,740.88	17,930.84	19,120.79
2 Months	2,461.39	4,841.30	7,221.22	9,601.13	11,981.05	14,360.96	16,740.88	19,120.79	21,500.71	23,880.62	26,260.54	28,640.45	31,020.37	33,400.28	35,780.20	38,160.11
3 Months	3,651.35	7,221.22	10,791.09	14,360.96	17,930.84	21,500.71	25,070.58	28,640.45	32,210.33	35,780.20	39,350.07	42,919.94	46,489.82	50,059.69	53,629.56	57,199.43
4 Months	4,841.30	9,601.13	14,360.96	19,120.79	23,880.62	28,640.45	33,400.28	38,160.11	42,919.94	47,679.77	52,439.60	57,199.43	61,959.26	66,719.09	71,478.92	76,238.75
5 Months	6,031.26	11,981.05	17,930.84	23,880.62	29,830.41	35,780.20	41,729.99	47,679.77	53,629.56	59,579.35	65,529.14	71,478.92	77,428.71	83,378.50	89,328.29	95,278.07
6 Months	7,221.22	14,360.96	21,500.71	28,640.45	35,780.20	42,919.94	50,059.69	57,199.43	64,339.18	71,478.92	78,618.67	85,758.41	92,898.16	100,037.90	107,177.65	114,317.39

SHORT-TERM NON-METER
[14 days or less]

Base Rate = \$17.25 / 25'

Days	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1 Day	101.27	121.06	140.85	160.65	180.44	200.24	220.03	239.83	259.62	279.42	299.21	319.01	338.80	358.59
2 Days	121.06	160.65	200.24	239.83	279.42	319.01	358.59	398.18	437.77	477.36	516.95	556.54	596.13	635.72
3 Days	140.86	200.24	259.62	319.01	378.39	437.77	497.15	556.54	615.92	675.30	734.68	794.07	853.45	912.84
4 Days	160.65	239.83	319.01	398.18	477.36	556.54	635.72	714.89	794.07	873.25	952.43	1,031.60	1,110.78	1,189.96
5 Days	180.44	279.42	378.39	477.36	576.33	675.30	774.28	873.25	972.22	1,071.19	1,170.16	1,269.14	1,368.11	1,467.08
6 Days	200.24	319.01	437.77	556.54	675.30	794.07	912.84	1,031.60	1,150.37	1,269.14	1,387.91	1,506.68	1,625.45	1,744.22
7 Days	220.03	358.59	497.15	635.72	774.28	912.84	1,051.40	1,189.96	1,328.52	1,467.08	1,605.64	1,744.22	1,882.78	2,021.32
8 Days	239.83	398.18	556.54	714.89	873.25	1,031.60	1,189.96	1,348.31	1,506.68	1,665.02	1,823.38	1,981.73	2,140.09	2,298.44
9 Days	259.62	437.77	615.92	794.07	972.22	1,150.37	1,328.52	1,506.68	1,684.82	1,862.97	2,041.12	2,219.27	2,397.41	2,575.56
10 Days	279.42	477.36	675.30	873.25	1,071.19	1,269.14	1,467.08	1,665.02	1,862.97	2,060.91	2,258.85	2,456.80	2,654.74	2,852.69
11 Days	299.21	516.95	734.69	952.43	1,170.16	1,387.90	1,605.64	1,823.38	2,041.12	2,258.85	2,476.59	2,694.34	2,912.07	3,129.81
12 Days	319.01	556.54	794.07	1,031.60	1,269.14	1,506.68	1,744.22	1,981.73	2,219.27	2,456.80	2,694.34	2,931.88	3,169.42	3,406.96
13 Days	338.80	596.13	853.45	1,110.78	1,368.11	1,625.43	1,882.76	2,140.09	2,397.41	2,654.74	2,912.07	3,169.40	3,426.72	3,684.05
14 Days	358.59	635.72	912.84	1,189.96	1,467.08	1,744.22	2,021.32	2,298.44	2,575.56	2,852.69	3,129.81	3,406.93	3,684.05	3,961.17

LONG-TERM NON-METER

Base Rate = \$519 / 25'

Months	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1 Month	877.03	1,272.58	1,868.13	2,463.68	3,059.24	3,654.79	4,250.34	4,845.89	5,441.45	6,037.00	6,632.55	7,228.10	7,823.65	8,419.21	9,014.76	9,610.31
2 Months	1,272.58	2,463.68	3,654.79	4,845.89	6,037.00	7,228.10	8,419.21	9,610.31	10,801.42	11,992.52	13,183.63	14,374.73	15,565.84	16,756.94	17,948.05	19,139.15
3 Months	1,868.13	3,059.24	4,250.34	5,441.45	6,632.55	7,823.65	9,014.76	10,205.87	11,396.97	12,588.08	13,779.18	14,970.29	16,161.39	17,352.49	18,543.59	19,734.69
4 Months	2,463.68	4,250.34	6,037.00	7,823.65	9,610.31	11,396.97	13,183.63	14,970.29	16,756.94	18,543.59	20,330.25	22,116.90	23,903.56	25,690.21	27,476.87	29,263.52
5 Months	3,059.24	6,037.00	9,014.76	11,992.52	14,970.29	17,948.05	20,925.81	23,903.56	26,881.32	29,859.07	32,836.83	35,814.58	38,792.34	41,770.09	44,747.84	47,725.59
6 Months	3,654.79	7,228.10	10,801.42	14,374.73	17,948.05	21,521.36	25,094.68	28,668.00	32,241.31	35,814.62	39,387.93	42,961.24	46,534.55	50,107.86	53,681.17	57,254.48

Note: Traffic Control Plan required when blocking entire sidewalk and/or when impacting traffic, blocking traffic lane. Fee for duplicating lost sign: \$3.55 per sign.

Map Showing Soil Boring Locations

Excavation permits needed for:

- 23rd St between Telegraph Ave and Valley St
- Telegraph Ave between Grand Ave and 23rd St
- Valley St between Grand Av and 23rd St
- 23rd St between Valley St and Broadway

A separate permit is required for each block.

• boring location



Soil Boring: General Information / Guidelines

Excavation permits are required for all soil borings in the Public Right-of-Way. Borings, preferably, shall be located in the parking lane, away from traffic lanes, to minimize traffic disruption.

An approved Traffic Control Plan [obtained from Traffic Engineering, 4th floor, PWA. Ten (10) day lead time required.] will need to be approved in order to obtain an Obstruction Permit if boring in the traffic lane.

Excavation permits may only be issued to licensed C57 contractors (evidence of current state license and current City of Oakland business tax must be on file). A letter of authorization is required on company letterhead, signed by an officer of the company that holds the license. The letter must name the applicant and applicant's firm if the applicant is an environmental consultant that does not hold a valid C57 license. **FAX: 510-238-2263.**

One Excavation permit per block. See map and detail description.

EXCAVATION

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

VALID FOR 90 DAYS FROM DATE OF ISSUANCE

PERMIT NUMBER X 1 1 0 _____		SITE ADDRESS
APPROX START DATE	APPROX END DATE	24-HOUR EMERGENCY PHONE NUMBER
CONTRACTOR'S LICENSE NUMBER AND CLASS		CITY BUSINESS TAX #
<p>ATTENTION:</p> <ul style="list-style-type: none"> ▪ State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 811. Underground Service Alert (USA) #: _____ ▪ 48 hours prior to starting work, you must call 510-238-3651 to schedule an inspection. ▪ 48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill). 		

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than \$500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended offered for sale (Sec. 70044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he/she did not build or improve for the purpose of sale).

I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption in this subdivision on more than two structures more than once during any three-year period. (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).

I am exempt under Sec. _____, B&PC for this reason _____

WORKER'S COMPENSATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab C).

Policy # _____ Company _____ Name _____

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars (\$100) or less).

NOTICE TO APPLICANT

If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12, Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

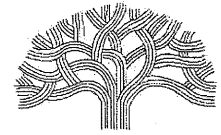
I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

X _____
 Signature of Permittee Agent for Contractor Owner Date _____

DATE STREET LAST | SPECIAL PAVING DETAIL | HOLIDAY RESTRICTION? | LIMITED OPERATION AREA?

RESURFACED	REQUIRED <input type="checkbox"/> YES <input type="checkbox"/> NO	(NOV 1 - JAN 1) <input type="checkbox"/> YES <input type="checkbox"/> NO	(7AM - 9AM & 4 PM - 6PM) <input type="checkbox"/> YES <input type="checkbox"/> NO
ISSUED BY		DATE ISSUED	

CITY OF OAKLAND



Public Works Agency • 250 Frank H. Ogawa Plaza • Suite 4344 • Oakland, California 94612-2033

Transportation Services Division

Office (510) 238-3466

FAX (510) 238-7415

TDD (510) 839-6451

Traffic Engineering Services Analysis Fee Invoice

Date: July 18, 2012

TSD Invoice # : 12-0124

To: Bob Siegfried
 Company: Conestoga Rovers & Associates
 Address: 202 Val Dervin Pkwy, Ste 400, Stockton, CA 95206
 Phone: 209-323-7202

OB120734
~~*0735*~~
OB120654

Created/Received By: Bert Chang

Location	Description of Work	Project Name / Permit #	# of Hours *
Oak St and 4th St Intersection 2 locations	Lane Shifts and No Parking		1.5
Total Hours			1.5
TSD Service Rate			\$ 123.00
Total Fee			\$ 184.50

Aug 21
28 *ABAND I*
29 *II*

* - minimum 1 hour service

FOR CITY USE ONLY	
Cost Center No.	W045
Organization No.	30264
Account No.	45119
Fund No.	1750

Cc: Rosalie

SPECIAL PROVISION 7-10.1 TRAFFIC REQUIREMENTS

Project Name: _____
 Project Number: TSD 12-0124
 Reviewed By: B.Chang *[Signature]*
 Date: 7/18/2012
 Permit good from 7/23/2012
 to 8/24/2012

ADD NEW SUBSECTION TO READ:
SP 7-10.1.4 Vehicular Traffic

Attention is directed to Section 7-10. Public Convenience and Safety, of the City of Oakland Standard Specification for Public Works Construction, 2006 Edition (Include this paragraph for p-jobs, excavation permits or obstruction permits).

The Contractor shall conduct its work in such a manner as to provide public convenience and safety and according to the provisions in this subsection. The provisions shall not be modified or altered without written approval from the Engineer.

Standard traffic control devices shall be placed at the construction zone according to the latest edition of the Work Area Traffic Control Handbook or Manual on Uniform Traffic Control Devices (MUTCD), Chapter 6 – "Traffic Controls for Construction and Maintenance Work Zone," or as directed by the Engineer.

All trenches and excavations in any public street or roadway shall be back filled and opened to traffic, or covered with suitable steel plates securely placed and opened to traffic at all times except during actual construction operations unless otherwise permitted by the Engineer.

Each section of work shall be completed or temporarily paved and open to traffic in not more than 5 days after commencing work unless otherwise permitted in writing by the Engineer.

Where construction encroaches into the sidewalk area, a minimum of 5 ½ feet of unobstructed sidewalk shall be maintained at all times for pedestrian use. Pedestrian barricades, shelter, and detour signs per Caltrans standards may be required.

The contractor shall conduct its operation in such a manner as to leave the following traffic lanes unobstructed and in a condition satisfactory for vehicular travel during the Obstruction Period. At all times traffic lanes will be restricted and reopened to travel. Emergency access shall be provided at all times.

Street Name Limits	Obstruction Period	North Bound	South Bound	East Bound	West Bound
Oak St between 3 rd St and 5 th St	Mon. – Fri. 8am – 5pm	Lane Shift / No Parking	Lane Shift / No Parking	N/A	N/A
4 th St east of intersection at Oak St	Mon. – Fri. 8am – 5pm	N/A	N/A	Lane Shift / No Parking	Lane Shift / No Parking

Both sides of street parking will be closed to allow for required street lane widths.

The Contractor Shall Also include all check item:

1. Design a construction traffic control plan and submit (2) copies to the Engineer for approval prior to starting any work.
2. Replace all signs, pavement markings, and traffic detector loops damaged or removed due to construction within 3 days of completion of work or the final pavement lift.
3. Provide advance notice to Oakland Police at (510) 777-3333 (24-hrs) and Oakland Fire at (510) 238-3331 (2-rhs) when a single lane of traffic or less is provided on any street.
4. Provide 72-hour advance notice to AC Transit at (510) 891-4750 when affecting a bus stop.
5. For Caltrans roadways, ramps, or maintained facilities, the Contractor shall obtain appropriate permits and notify the Traffic Management Center 24 hours in advance of any work.
6. Flagger control is required. Certified Flagger is required.
7. Pedestrian walkway by K-rail, Canopy or Plywood is required. (See detour plan)
8. Pedestrian traffic shall be maintained and guided through the project at all times.
9. Provide advance notice to Business and Residence within 72-hours.
10. Allow all traffic movement at intersection.

Nothing specified herein shall prohibit emergency work and/or repair necessary to ensure public health and safety.

APPLICATION FOR TRAFFIC CONTROL PLAN

Transportation Services Fee: \$123/hour
(Check or Money Order Only)



City of Oakland

Public Works Agency
Transportation Services Division

- Check the box that apply:
- New Application (Utility, Excavation)
 - Renewal Application
 - New Development w/ Mgmt Plan
 - City of Oakland Project

Please Read the Following Statements Below:

TSD 12-0124

1. Processing time for a Traffic Control Application is a **minimum of 10 business days**.
2. Traffic Control review is scheduled **only on Tuesdays and Thursdays from 8:30am thru 11:30am by appointment only**.
3. A scheduled **appointment** by phone or email with a TSD staff member is necessary to discuss any and all traffic control application and plans.
4. Please **call ahead** to confirm that the traffic control application is ready for pickup @ 510-238-3467.
5. Businesses and residences adjacent to the work area must be provided **72 hour advance notice**.
6. A **completed** traffic control application may be faxed to (510) 238-7415.
7. **Incomplete** traffic control applications will not be processed and returned to applicant immediately.
8. The initial approval for a traffic control plan is 1 month, the renewal submittal may be approved up to 3 months.
9. The traffic control provision dates cannot be changed or extended if work has already commenced.
10. After receiving TSD approval of the traffic control application, contractor shall proceed to the Permit Center to "Obstruction obtain an obstruction permit.

Contact Person: Bob Siegfried Phone: 209 323 7202
 Name of Company: Conestoga - Rivers & Associates (CRA) Fax: 209 983 6820
 Address of Company: 202 Val Derrin Plany Ste 400
 Describe type of work to be performed: Remove two manhole covers

Location of work: ~~105 Elm Fifth St~~ Oak St Between* Oak Fourth St And* Fifth St

Work date (s): Mon-Fri Sat-Sun Work Hours: _____ to _____

Please Follow these Steps in Order to Complete a Traffic Control Plan:

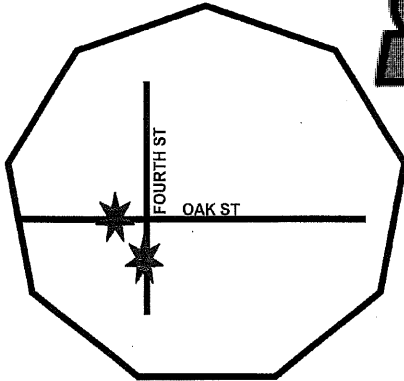
- A. **Drawing Area:** The full width of all streets adjacent to the site **MUST** be included in the drawing. Include the entire block in which your work is located for every street that is adjacent to your site.
- B. **Include Street Names, Direction of Traffic on the Street, and North Arrow**
- C. **Show Existing Number of Lanes in all Directions** (with any pavement arrows)
- D. **Check the Box(s) that Apply:** All checked items **MUST** be shown on the drawing

<input type="checkbox"/> Lane Closure	<input type="checkbox"/> Use of Median	<input type="checkbox"/> Sidewalk Closure
<input type="checkbox"/> Street Closures (must provide detour plan)	<input type="checkbox"/> Use Parking Lane	(must provide pedestrian walk way)
- E. **Show All Dimensions** of street widths (curb to curb), lane widths, sidewalk widths, and work area dimension.
(Note: Traffic Control Application / Plans missing the above information will not be accepted or processed.)
- F. **Show the Name and Locations** of all advanced warning devices, flaggers, delineators, warning and construction signs to be used.

RENEWAL PROCESS: Resubmit a completed Traffic Control Application with the old approved plan (with the necessary modifications / changes to the plans).

FOR HELP in preparing a traffic control plan, see Temporary Traffic Control Pocket Reference Guide 2007, Work Area Traffic Control Handbook 2006, or the California Manual on Uniform Traffic Control (MUTCD) 2003, Chapter 6.
http://www.dot.ca.gov/hq/traffops/signtech/mutcdsupp/ca_mutcd.htm
 For City website: <http://www.oaklandpw.com/Page548.aspx>

* Name the streets that are the boundaries of your work area.



PROJECT LOCATION

THIS PROJECT IS LOCATED ON OAK ST AND FOURTH ST IN OAKLAND, CA. THIS PLAN WILL BE USED TO WORK IN THE STREET TO REMOVE TWO WELLS. WORK HOURS WILL BE 7AM TO 5PM MONDAY THRU FRIDAY. CONTRACTOR WILL COMPLY WITH THE CITY OF OAKLAND STANDARD SPECIFICATIONS.

CONTRACTOR WILL COMPLY WITH THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS (ARTICLE 10), CONTRACT SPECIAL SPECIFICATIONS, TRAFFIC CONTROL PLAN SUPPLEMENT AND CALTRANS SPECIFICATIONS, M.U.T.C.D 2011 EDITION. THIS PLAN MAY BE MODIFIED BY THE ENGINEER AT ANY TIME TO ELIMINATE OR AVOID TRAFFIC CONDITIONS THAT ARE HAZARDOUS TO THE SAFETY OF THE PUBLIC.

CONTINUAL MONITORING AND MAINTENANCE OF THE TRAFFIC CONTROL ZONE, EMERGENCY ACCESS, ACCOMMODATION FOR PEDESTRIANS, BICYCLE TRAFFIC AND THE DISABLED, PROPER TRAINING OF FLAGGERS, PROPER DEVICES AND DEVICE USAGE AND APPROPRIATE NOTIFICATIONS SHALL BE USED ON THIS PROJECT.



STATEWIDE

TRAFFIC SAFETY & SIGNS

CONTRACTOR:
CRA
CONTACT:
BOB SIEGFRIED 209-983-6810

TRAFFIC CONTROL PLANS CRA SHELL STATION 240472

NOTE:

1. CONTRACTOR WILL ASSIST ALL ADA, PED FOOT TRAFFIC AS NEEDED THROUGH WORK AREA. (MIN 5')
2. MAINTAIN ACCESS TO BUSINESS & RESIDENTS AT ALL TIMES.
3. NOTIFY AND COORDINATE WITH REGIONAL TRANSIT RELOCATION, CLOSURE OR MAINTAIN ACCESS TO BUS STOPS.
4. NO PARKING SIGNS WILL BE PLACED 24HRS BEFORE WORK BEGINS.
5. SIGNS SHALL BE 48X48".
6. SIDEWALKS WILL REMAIN OPEN AT ALL TIMES.

THIS TRAFFIC CONTROL PLAN (TCP) IS PRODUCED IN ACCORDANCE WITH THE GUIDELINES OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), DATED SEPTEMBER 2010 AS PURSUANT TO SECTION 21400 OF THE STATE OF CALIFORNIA VEHICLE CODE AND IN ACCORDANCE WITH CHAPTER 6A OF THE M.U.T.C.D. - "SHALL PROVIDE SUFFICIENT FLEXIBILITY IN THE APPLICATION OF TTC (TEMPORARY TRAFFIC CONTROL) TO MEET THE NEEDS OF CHANGING CONDITIONS IN THE TTC ZONE."

BOTH ARE BASED ON.

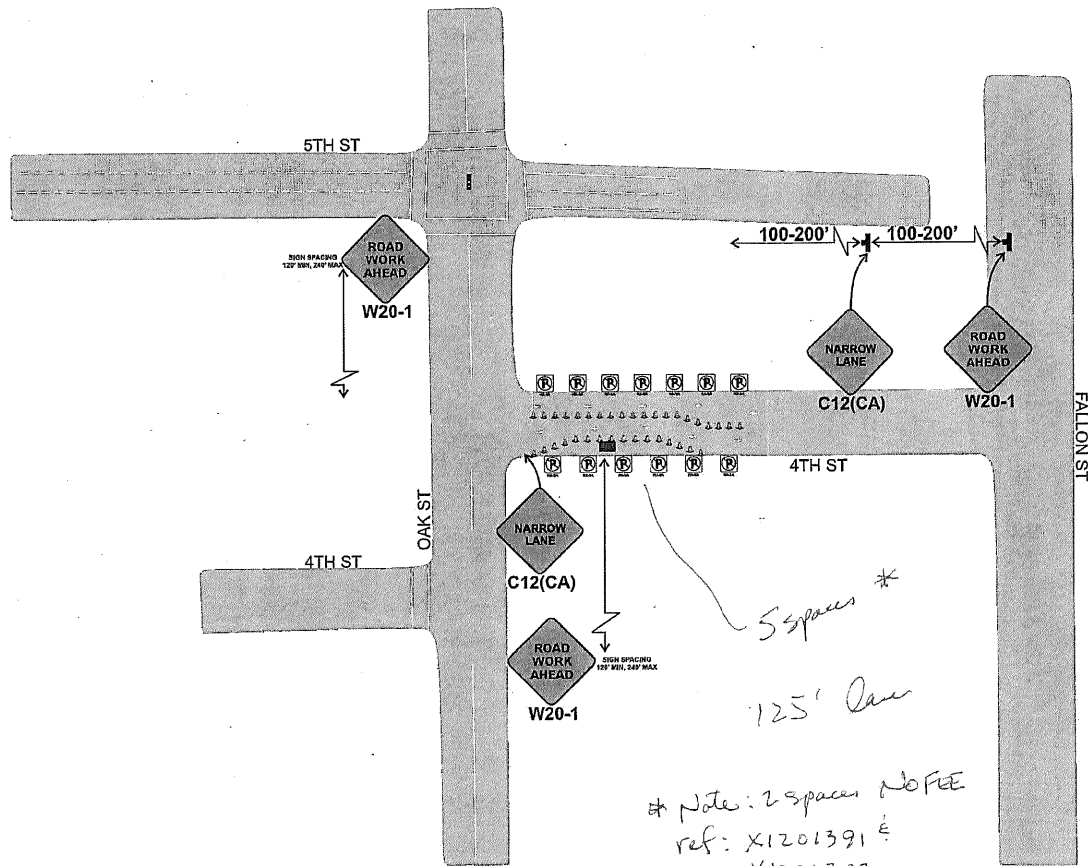
- 1.) 85TH % TILE OR IF NOT AVAILABLE, THEN USE
 - 2.) POSTED SPEED LIMIT (PSL)
- L = TAPER LENGTH
S = SPEED
W = WIDTH (OFFST FROM PATH OF TRAVEL)

*CONES SHOWN ON THIS PLAN ARE ILLUSTRATION PURPOSE ONLY. EXACT NUMBER OF CONES REQUIRED SHALL BE BASED ON CONE SPACING, TAPER LENGTHS, ACTUAL FIELD, ACTUAL FIELD CONDITIONS, ECT...

NOTES:

1. SIGN SPACING, CONE SPACING AND TAPER LENGTHS REFER TO TABLE.
2. THE LOCATION OF THE SIGNS AS SHOWN ON THE PLANS ARE GUIDELINES AND ACTUAL LOCATIONS WILL DEPEND UPON ALIGNMENT, GRADE, LOCATION OF STREET INTERSECTIONS, POSTED SPEED LIMITS, AND 85TH % TILE.
3. ALL HIGH LEVEL WARNING DEVICES WILL BE EQUIPPED WITH FLAGS FOR DAY CLOSURES.
4. IF THE WORK AREA ENROACHES UPON A SIDEWALK OR WALKWAY, "SIDEWALK CLOSED, USE OTHER SIDE" SIGNS WILL BE USED TO GUIDE PEDESTRIANS TO CROSS TO ANOTHER MARKER CROSSWALK. PEDESTRIANS MAY NOT BE GUIDED ONTO PRIVATE PROPERTY OR THE TRAVELED WAY.
5. TRAFFIC LANES SHALL BE A MINIMUM OF TEN FEET IN WIDTH MIN CLR.
6. WHENEVER FEASIBLE AN ADDITIONAL 5 FEET SHALL BE PROVIDED FOR A BICYCLE LANE. IF IT IS NOT FEASIBLE TO PROVIDE A SEPARATE BICYCLE LANE, THE CONTRACTOR SHALL POST SIGNAGE BEFORE THE CONSTRUCTION AREA STATING: "SHARE the Road with Bicyclists". WHEN THE LANE IS SHARED, THE CONTRACTOR SHALL POST SIGNAGE FOR A MAXIMUM SPEED LIMIT OF 25 MPH IN THE SHARED LANE.
7. MONITOR AND MAINTAIN TRAFFIC CONTROL ZONE AT ALL TIMES.
8. MAINTAIN ACCESS FOR EMERGENCY VEHICLES.
9. ASSURE SAFE PASSAGE OF PEDESTRIANS & BICYCLISTS INCLUDING PERSONS WITH DISABILITIES IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT OF 1990 (ADA), TITLE II, PARAGRAPH 35.130.
10. ALL DEVICES TO CONFORM TO CALTRAN'S STANDARDS.
11. DEVICE PLACEMENT TO CONFORM TO CALTRAN'S GUIDELINES.
12. FLAGGERS TO BE TRAINED PER TITLE 8 CLR.

POSTED SPEED	FORMULAS	BUFFER SPACE	MINIMUM TAPER LENGTH										MAX CONE SPACING	SIGN SPACING
			10' OFFSET		11' OFFSET				12' OFFSET					
			L MERGE	1/2 L SHIFT	1/3 L SHOULDR	L MERGE	1/2 L SHIFT	1/3 L SHOULDR	L MERGE	1/2 L SHIFT	1/3 L SHOULDR			
25	L= (WS)/(WS)	255'	104'	52'	35'	115'	57'	38'	125'	63'	42'	25'	100-200'	
30		200'	150'	75'	50'	165'	83'	55'	180'	90'	60'	30'	120-240'	
35		250'	204'	102'	68'	225'	112'	75'	245'	123'	82'	35'	140-280'	
40	60	305'	267'	133'	89'	293'	147'	98'	320'	160'	107'	40'	160-320'	
45		360'	450'	225'	150'	495'	248'	165'	540'	270'	180'	45'	350-500'	
50		425'	50'	250'	167'	550'	275'	183'	600'	300'	200'	50'	525'	
55	L=(WS)	495'	550'	275'	183'	605'	303'	202'	660'	330'	220'	50'	550'	
60		570'	600'	300'	200'	660'	330'	220'	720'	360'	240'	50'	575'	
65		645'	650'	325'	217'	715'	358'	217'	780'	390'	260'	50'	600'	
70		730'	700'	350'	233'	770'	385'	240'	840'	420'	280'	50'	650'	



5 spaces *
 125' Lane
 * Note: 2 spaces No Fee
 ref: X1201391 &
 X1201392

Aug 21 -
 Aug 28 - 3 days
 Aug 29 - 654
 OB12075

APPROVED: *Paul Chang* 7/18/12
 Transportation Services Division
 CITY OF OAKLAND
 (SD 12075)



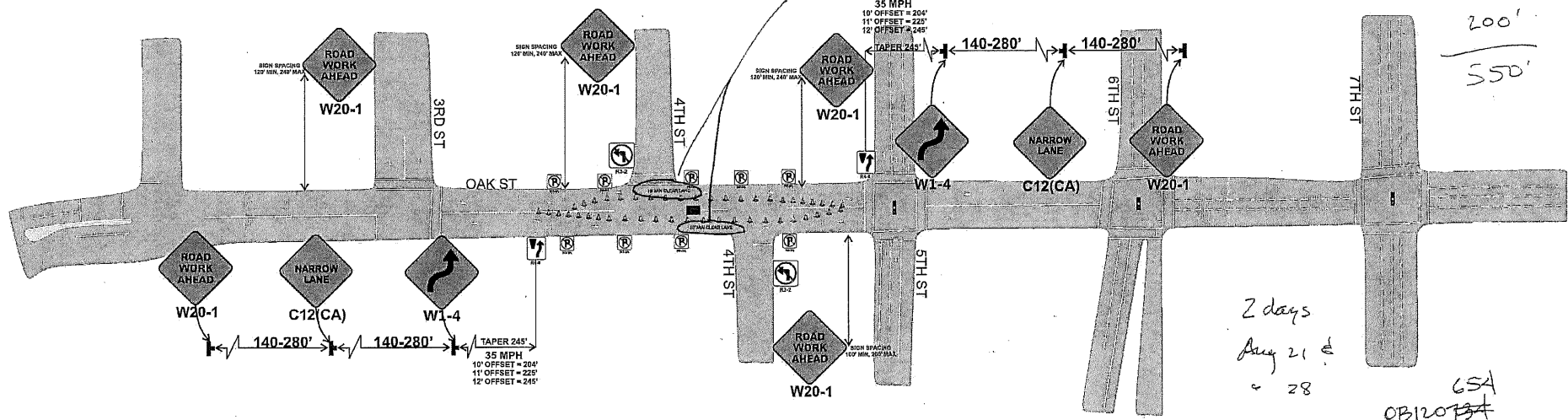
POSTED SPEED: 25 MPH	TAPER LENGTH: 125'	CONE SPACING: 25'	SIGN SPACING: 100-200'	BUFFER ZONE: 155'	Owner: CITY OF OAKLAND
WORK ZONE	CERTIFIED FLAGGER	LIGHT TOWER	BARRICADE	Project Name: SHELL STATION 240472	Prime Contractor: CRA
REFLECTIVE CONE	STATIONARY C.A.S.	SAND FILLED CRASH CUSHION	ABSORB 350 ELEMENT	Phone Number: 209-983-6810	Date Prepared: 7/16/2012
ARROW BOARD	CHANGEABLE MESSAGE SIGN	WATER WALL/WATER FILLED K RAIL	20' CONCRETE K RAIL	Prepared By: STATEWIDE TRAFFIC SAFETY & SIGNS	Project Sheet #: # 1925



As per outside
 8 total
 Lane 350'

MAINTAIN 12 FT WIDE CLEAR LANE

200'
 550'



2 days
 Aug 21
 ~ 28

GSA
 OB120734

APPROVED: *Hert Chang 7/16/12*
 Transportation Services Division
 CITY OF OAKLAND TSSD 12-0124



POSTED SPEED: 35 MPH	TAPER LENGTH: 245'	CONE SPACING: 35'	SIGN SPACING: 140-280'	BUFFER ZONE: 250'	Owner: CITY OF OAKLAND
WORK ZONE	CERTIFIED FLAGGER	LIGHT TOWER	BARRICADE	SAND FILLED CRASH CUSHION	Project Name: SHELL STATION 240472
STATIONARY C.A.S.	ARROW BOARD	ABSORB 350 ELEMENT	WATER WALL/WATER FILLED K RAIL	CHANGEABLE MESSAGE SIGN	Prime Contractor: CRA
					Phone Number: 209-983-6810
					Date Prepared: 7/16/2012
					Prepared By: STATEWIDE TRAFFIC SAFETY & SIGNS
					Project Sheet #: # 1924