



February 1, 2016
Cardno 2010C.T21

Mr. Steven Reichmuth
Department of Water Resources
North Central Region
3500 Industrial Boulevard
West Sacramento, California 95691

Cardno

601 N. McDowell Boulevard
Petaluma, CA 94954
USA

Phone: +1 800 382 9105
Fax: +1 707 789 0414
Contractor: #997036

www.cardno.com

SUBJECT **Well Completion Reports**
Former Exxon Service Station 73006
720 High Street, Oakland, California

Copies	Dated	Description
1	February 1, 2016	Well Completion Reports (with corresponding attachments) for wells MW2, MW3, MW6, MW14, MW16A, MW16B, MW17A, MW17B, MW18A, MW18B, MW19A, MW19B, MW20, MW21, RW1 through RW4 and AS1 through AS6

At the request of ExxonMobil Environmental Services (EMES), on behalf of Exxon Mobil Corporation, Cardno is submitting the above-referenced documents. Please contact Mr. Scott Perkins, Cardno's project manager for this site, at scott.perkins@cardno.com or at (707) 766-2000 with questions or concerns.

COPY

Nadya M. Vicente, Sr. Staff Geologist

cc: Ms. Jennifer C. Sediachek, ExxonMobil Environmental Services Company
Mr. Mark Determan, Alameda County Health Care Services Agency, Environmental Health Services
Mr. James Yoo, Alameda County Public Works Agency

Karel

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

DEPTH IN FEET	Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.
0			CL	Silty clay, black-green, damp, medium plasticity, stiff, obvious product odor.	
2					
4					
6	22	S-5			
8					
10	20	S-10	GW	Gravelly sand, medium- to coarse-grained, green, moist, medium dense, obvious product odor.	
12					
14					
15	15	S-15	SC	Clayey sand, medium- to coarse-grained sand, brown, moist, low plasticity, stiff.	
16					
18					
20	16	S-20	CL	Silty clay with trace of medium-grained sand, brown, moist, high plasticity, stiff.	
22					
24					
26	36	S-25	GC	Clayey gravel with some sand and coarse-grained gravel, brown, very moist, dense.	
28					
30			CL	Silty clay, brown, moist, high plasticity, very stiff.	
				(Section continues downward)	



Applied GeoSystems
41255 Mission Blvd. Suite B Fremont, CA 94539-14151-1906

LOG OF BORING B-2/MW-2

Exxon Station No. 7-3006

720 High Street
Oakland, California

PLATE

P - 5

PROJECT NO. 87042-5

DEPTH IN FEET	Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.
	30	22	S-30	CL	Silty clay; brown, moist, high plasticity, very stiff.
32					
34					
36	19	S-35			
38				Total Depth = 36 feet. Boring terminated at sufficient depth to evaluate contamination above and below ground-water table.	



Applied GeoSystems
41255 Mission Blvd. Suite B Fremont, CA 94539 (415) 651-1906

PROJECT NO. 87042-5

LOG OF BORING B-2/MW-2

Exxon Station No. 7-3006
720 High Street
Oakland, California

PLATE
P - 6

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id: 1448478048663
Site Location: 720 High St, Oakland, CA
Project Start Date: 12/31/2015
Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com
Extension Start Date: 01/15/2016
Extension Count: 1

City of Project Site: Oakland

Completion Date: 01/15/2016
Extension End Date: 01/22/2016
Extended By: jamesy

Applicant: Cardno - Scott Perkins
601 N McDowell Blvd, Petaluma, CA 94954
Property Owner: Mr. Mo Mashoon Mash Petroleum
428 13th St, 10th Fir., Oakland, CA 94612
Client: Exxon Jen Sedlachek
4096 Piedmont Ave, Oakland, CA 94611

Phone: 707-766-2000

Phone: --

Phone: 510-547-8196

Total Due: \$6617.00
Total Amount Paid: \$6617.00
Payer Name : Cardno **Paid By:** CHECK **PAID IN FULL**

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seai Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1095	12/16/2015	03/30/2016	MW12	10.00 in.	4.00 in.	0.00 ft	15.50 ft			
W2015-1096	12/16/2015	03/30/2016	MW14	10.00 in.	4.00 in.	0.00 ft	17.00 ft			
W2015-1097	12/16/2015	03/30/2016	MW16A	8.00 in.	2.00 in.	0.00 ft	12.50 ft			
W2015-1098	12/16/2015	03/30/2016	MW16B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1099	12/16/2015	03/30/2016	MW17A	8.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-1100	12/16/2015	03/30/2016	MW17B	8.00 in.	2.00 in.	0.00 ft	26.00 ft			
W2015-1101	12/16/2015	03/30/2016	MW18A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1102	12/16/2015	03/30/2016	MW18B	8.00 in.	2.00 in.	0.00 ft	21.00 ft			
W2015-1103	12/16/2015	03/30/2016	MW19A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1104	12/16/2015	03/30/2016	MW19B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1105	12/16/2015	03/30/2016	MW2	0.00 in.	4.00 in.	0.00 ft	36.00 ft			
W2015-1106	12/16/2015	03/30/2016	MW20	10.00 in.	2.00 in.	0.00 ft	15.50 ft			
W2015-1107	12/16/2015	03/30/2016	MW21	10.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-	12/16/2015	03/30/2016	MW3	0.00 in.	4.00 in.	0.00 ft	36.00 ft			

Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015-1109	12/16/2015	03/30/2016	MW4	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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1109

W2015-1110	12/16/2015	03/30/2016	MW6	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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1110

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 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 10 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 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.

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 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.

9. 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.

Alameda County Public Works Agency - Water Resources Well Permit

10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

11. Any well That is less than 2 inches in diameter shall be drilled out to the total depth.

Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

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 #
W2015-1111	12/16/2015	03/30/2016	AS1	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS2	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS3	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS4	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS5	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS6	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW1	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW2	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW3	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW4	0.00 in.	6.00 in.	0.00 ft	0.00 ft			

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.

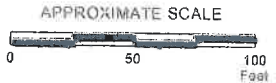
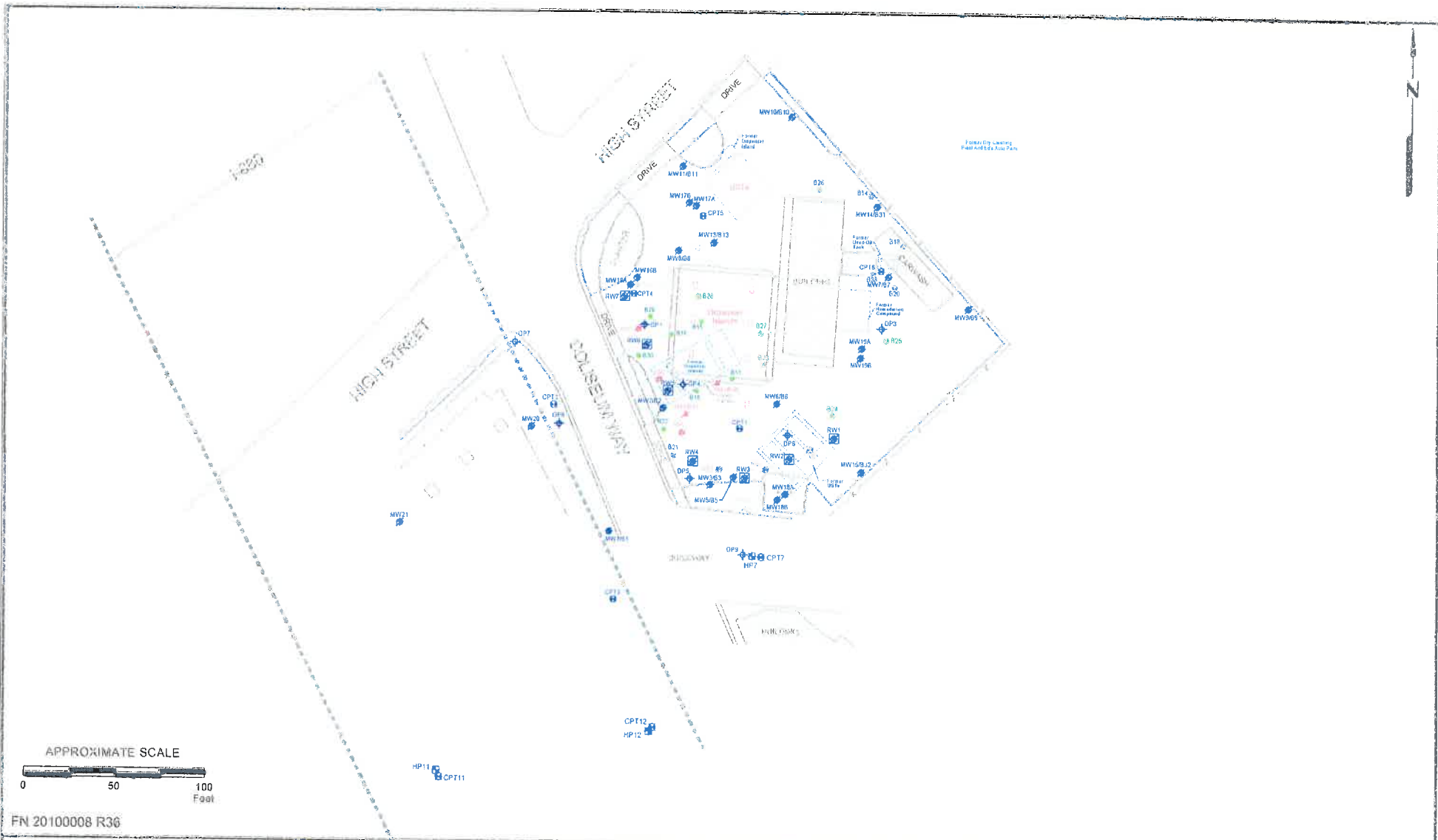
2. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor 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.

3. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.

4. 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.

Alameda County Public Works Agency - Water Resources Well Permit

5. Remove the Christy box or similar structure. Pressure Grout with Cement (Less than 30 ft in depth). After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
 6. 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.
 7. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
 8. 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.
 9. Any well that is less than 2 inches in diameter shall be drilled out to the total depth.
 10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
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FN 20100008 R36



GENERALIZED SITE PLAN
 FORMER EXXON SERVICE STATION 73006
 720 High Street
 Oakland, California

EXPLANATION	
MW21	Destroyed Groundwater Monitoring Well
RW07	Destroyed Recovery Well
CPT11	Cone Penetration Test Boring
HP15	Hydrograph Boring
SS5	Soil Boring/Soil Sample
DP3	Direct Push Boring
CPT12	Cone Penetration Test Boring
HP13	Hydrograph Boring
SS3	Soil Boring/Soil Sample

PROJECT NO.
2010

PLATE
2

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

DEPTH IN FEET	Blows/ Fl.	Sample No.	USCS	DESCRIPTION	WELL CONST.
0			CL	Clayey silt, black, obvious product odor.	
2					
4					
6	25	S-5	CL	Silty clay, green with gray mottling, damp, medium to high plasticity, very stiff, obvious product odor.	
8					
10	44	S-10	GW	Sandy gravel, sand, medium- to coarse-grained, fine- to coarse-grained, gray-black, wet, no plasticity, dense, obvious product odor.	
12					
14			SC	Clayey sand, trace silt, medium-grained sand, brown, very moist, medium dense, noticeable product odor.	
16	15	S-15	SC		
18					
20	16	S-20	CL	Silty clay with trace of very coarse-grained gravel, brown with black mottling, high plasticity, stiff.	
22					
24					
26	26	S-25	GC	Clayey gravel with some medium-grained sand, brown, moist, medium dense.	
28					
30			CL	Silty clay, trace coarse-grained sand, brown, high plasticity, very stiff.	

(Section continues downward)



41255 Mission Blvd., Suite B Fremont, CA 94539 (415) 651-7906

LOG OF BORING B-3/MW-3

Exxon Station No. 7-3006

720 High Street
Oakland, California

PLATE

P - 7

PROJECT NO. 87042-5

DEPTH IN FEET	Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.
	30	20	S-30	CL	Silty clay, trace coarse-grained sand, brown, high plasticity, very stiff.
32					
34					
36	23	S-35			
38	Total Depth = 36 feet. Boring terminated at sufficient depth to evaluate contamination above and below ground-water table.				
40					



Applied GeoSystems
41255 Mission Blvd. Suite B Fremont, CA 94539 (415) 651-7906

LOG OF BORING B-3/MW-3

Exxon Station No. 7-3006

720 High Street
Oakland, California

PLATE

P - 8

PROJECT NO. 87042-5

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id: 1448478048663
Site Location: 720 High St, Oakland, CA
Project Start Date: 12/31/2015
Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com
Extension Start Date: 01/15/2016
Extension Count: 1

City of Project Site: Oakland

Completion Date: 01/15/2016
Extension End Date: 01/22/2016
Extended By: jamesy

Applicant: Cardno - Scott Perkins
601 N McDowell Blvd, Petaluma, CA 94954
Property Owner: Mr. Mo Mashoon Mash Petroleum
428 13th St, 10th Flr., Oakland, CA 94612
Client: Exxon Jen Sedlachek
4096 Piedmont Ave, Oakland, CA 94611

Phone: 707-766-2000

Phone: --

Phone: 510-547-8196

Receipt Number: WR2015-0606 **Total Due:** \$6617.00
Payer Name : Cardno **Total Amount Paid:** \$6617.00
Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells
 Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1095	12/16/2015	03/30/2016	MW12	10.00 in.	4.00 in.	0.00 ft	15.50 ft			
W2015-1096	12/16/2015	03/30/2016	MW14	10.00 in.	4.00 in.	0.00 ft	17.00 ft			
W2015-1097	12/16/2015	03/30/2016	MW16A	8.00 in.	2.00 in.	0.00 ft	12.50 ft			
W2015-1098	12/16/2015	03/30/2016	MW16B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1099	12/16/2015	03/30/2016	MW17A	8.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-1100	12/16/2015	03/30/2016	MW17B	8.00 in.	2.00 in.	0.00 ft	26.00 ft			
W2015-1101	12/16/2015	03/30/2016	MW18A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1102	12/16/2015	03/30/2016	MW18B	8.00 in.	2.00 in.	0.00 ft	21.00 ft			
W2015-1103	12/16/2015	03/30/2016	MW19A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1104	12/16/2015	03/30/2016	MW19B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1105	12/16/2015	03/30/2016	MW2	0.00 in.	4.00 in.	0.00 ft	36.00 ft			
W2015-1106	12/16/2015	03/30/2016	MW20	10.00 in.	2.00 in.	0.00 ft	15.50 ft			
W2015-1107	12/16/2015	03/30/2016	MW21	10.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-	12/16/2015	03/30/2016	MW3	0.00 in.	4.00 in.	0.00 ft	36.00 ft			

Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015-1109	12/16/2015	03/30/2016	MW4	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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W2015-1110	12/16/2015	03/30/2016	MW6	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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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.

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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 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.

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 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.

9. 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.

Alameda County Public Works Agency - Water Resources Well Permit

10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

11. Any well That is less than 2 inches in diameter shall be drilled out to the total depth.

Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

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 #
W2015-1111	12/16/2015	03/30/2016	AS1	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS2	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS3	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS4	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS5	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS6	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW1	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW2	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW3	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW4	0.00 in.	6.00 in.	0.00 ft	0.00 ft			

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.

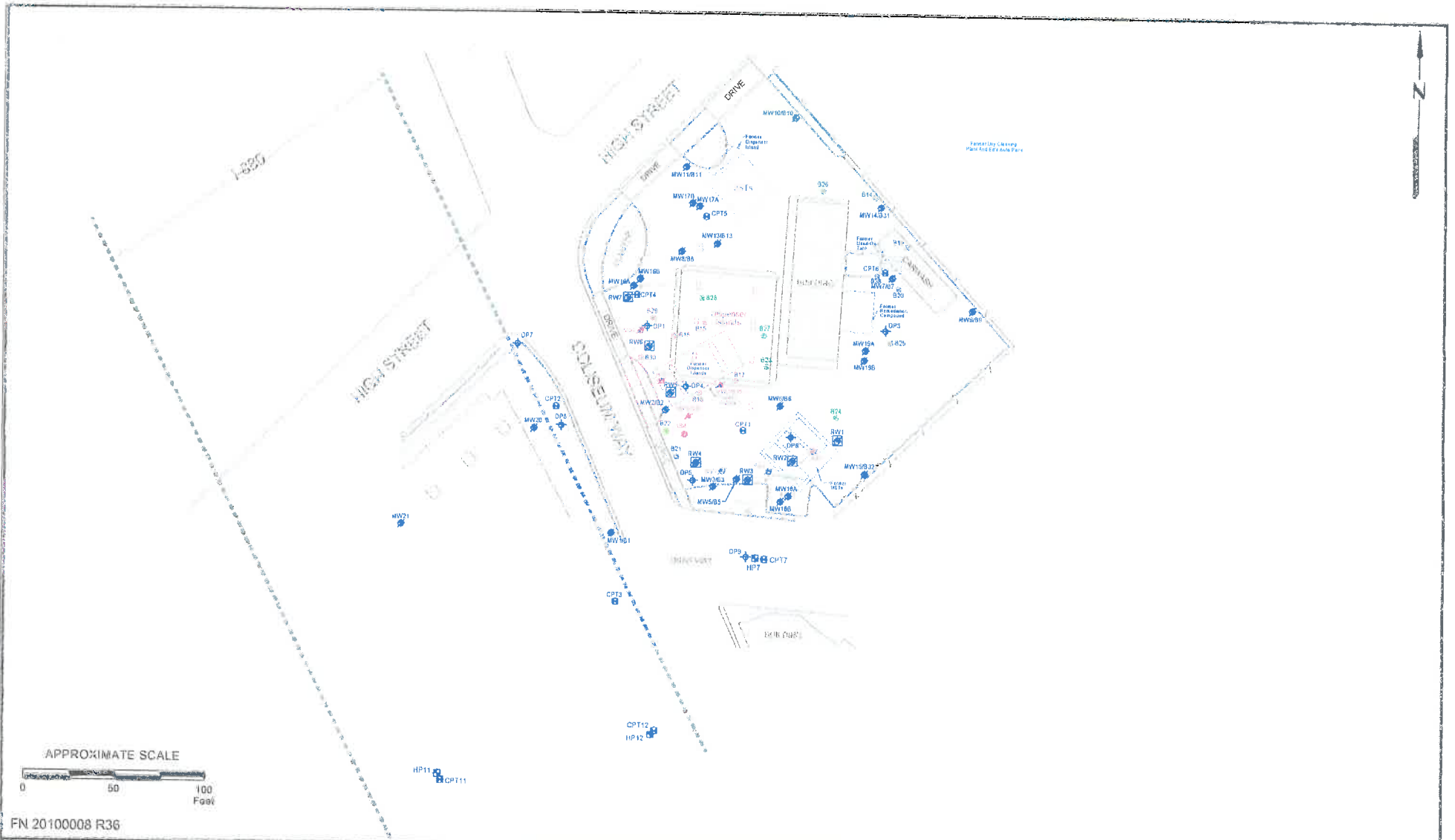
2. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor 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.

3. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.

4. 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.

Alameda County Public Works Agency - Water Resources Well Permit

5. Remove the Christy box or similar structure. Pressure Grout with Cement (Less than 30 ft in depth). After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
 6. 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.
 7. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
 8. 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.
 9. Any well that is less than 2 inches in diameter shall be drilled out to the total depth.
 10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
-



FN 20100008 R36



GENERALIZED SITE PLAN
 FORMER EXXON SERVICE STATION 73000
 720 High Street
 Oakland, California

EXPLANATION

- MW21 Destroyed Groundwater Monitoring Well
- RW21 Destroyed Recovery Well
- HP21 Hydropanch Boring
- B58 Soil Bore/Soil Sample
- DPS Direct Push Boring
- CPT12 Cone Penetration Test Boring

PROJECT NO.
2010

PLATE
2

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

DEPTH IN FEET	Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.
	0			CH	Clay, black, damp, high plasticity, very stiff, oily with broken glass and wood fragments, obvious product odor.
2					
4					
6	20	S-5		Change color to brown-green.	
8			GC	Clayey gravel, fine- to coarse-grained sand and gravel, brown-green, moist, medium dense, obvious product odor.	
10	22	S-10			
12			GW	Sandy gravel, fine- to coarse-grained sand with some fine- to coarse-grained gravel, gray, moist, medium dense, obvious product odor.	
14			GC	Clayey gravel, fine- to coarse-grained gravel, brown-gray, moist, medium dense.	
16	14	S-15			
18					
20	31	S-20		Dense.	
22					
24					
26	35	S-25	CL	Silty clay, brown with gray mottling, damp, high plasticity, hard.	
28					
30					

(Section continues downward)



43255 Mission Blvd., Suite B Fremont, CA 94539 (415) 651-1906

LOG OF BORING B-6/MW-6

Exxon Station No. 7-3006

720 High Street
Oakland, California

PLATE

P - 13

PROJECT NO. 87042-5

DEPTH IN FEET	Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.
	30	19	S-30	CL	Silty clay, brown, damp, high plasticity, very stiff
32					
34					
36	15	S-35			
38				Total Depth = 36 feet. Boring terminated at sufficient depth to evaluate contamination above and below ground-water table.	
40					



LOG OF BORING B-6/MW-6

PLATE

Exxon Station No. 7-3006

P - 14

720 High Street
Oakland, California

PROJECT NO. 87042-5

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id: 1448478048663
Site Location: 720 High St, Oakland, CA
Project Start Date: 12/31/2015
Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com
Extension Start Date: 01/15/2016
Extension Count: 1

City of Project Site: Oakland

Completion Date: 01/15/2016

Extension End Date: 01/22/2016
Extended By: jamesy

Applicant: Cardno - Scott Perkins **Phone:** 707-766-2000
 601 N McDowell Blvd, Petaluma, CA 94954
Property Owner: Mr. Mo Mashoon Mash Petroleum **Phone:** --
 428 13th St, 10th Flr., Oakland, CA 94612
Client: Exxon Jen Sedlachek **Phone:** 510-547-8196
 4096 Piedmont Ave, Oakland, CA 94611

	Total Due:	\$6617.00
Receipt Number: WR2015-0606	Total Amount Paid:	\$6617.00
Payer Name : Cardno	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells
 Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1095	12/16/2015	03/30/2016	MW12	10.00 in.	4.00 in.	0.00 ft	15.50 ft			
W2015-1096	12/16/2015	03/30/2016	MW14	10.00 in.	4.00 in.	0.00 ft	17.00 ft			
W2015-1097	12/16/2015	03/30/2016	MW16A	8.00 in.	2.00 in.	0.00 ft	12.50 ft			
W2015-1098	12/16/2015	03/30/2016	MW16B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1099	12/16/2015	03/30/2016	MW17A	8.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-1100	12/16/2015	03/30/2016	MW17B	8.00 in.	2.00 in.	0.00 ft	26.00 ft			
W2015-1101	12/16/2015	03/30/2016	MW18A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1102	12/16/2015	03/30/2016	MW18B	8.00 in.	2.00 in.	0.00 ft	21.00 ft			
W2015-1103	12/16/2015	03/30/2016	MW19A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1104	12/16/2015	03/30/2016	MW19B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1105	12/16/2015	03/30/2016	MW2	0.00 in.	4.00 in.	0.00 ft	36.00 ft			
W2015-1106	12/16/2015	03/30/2016	MW20	10.00 in.	2.00 in.	0.00 ft	15.50 ft			
W2015-1107	12/16/2015	03/30/2016	MW21	10.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-	12/16/2015	03/30/2016	MW3	0.00 in.	4.00 in.	0.00 ft	36.00 ft			

Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015-1109	12/16/2015	03/30/2016	MW4	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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W2015-1110	12/16/2015	03/30/2016	MW6	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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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 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 10 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 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.

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 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.

9. 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.

Alameda County Public Works Agency - Water Resources Well Permit

10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

11. Any well That is less than 2 inches in diameter shall be drilled out to the total depth.

Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

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 #
W2015-1111	12/16/2015	03/30/2016	AS1	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS2	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS3	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS4	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS5	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS6	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW1	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW2	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW3	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW4	0.00 in.	6.00 in.	0.00 ft	0.00 ft			

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.

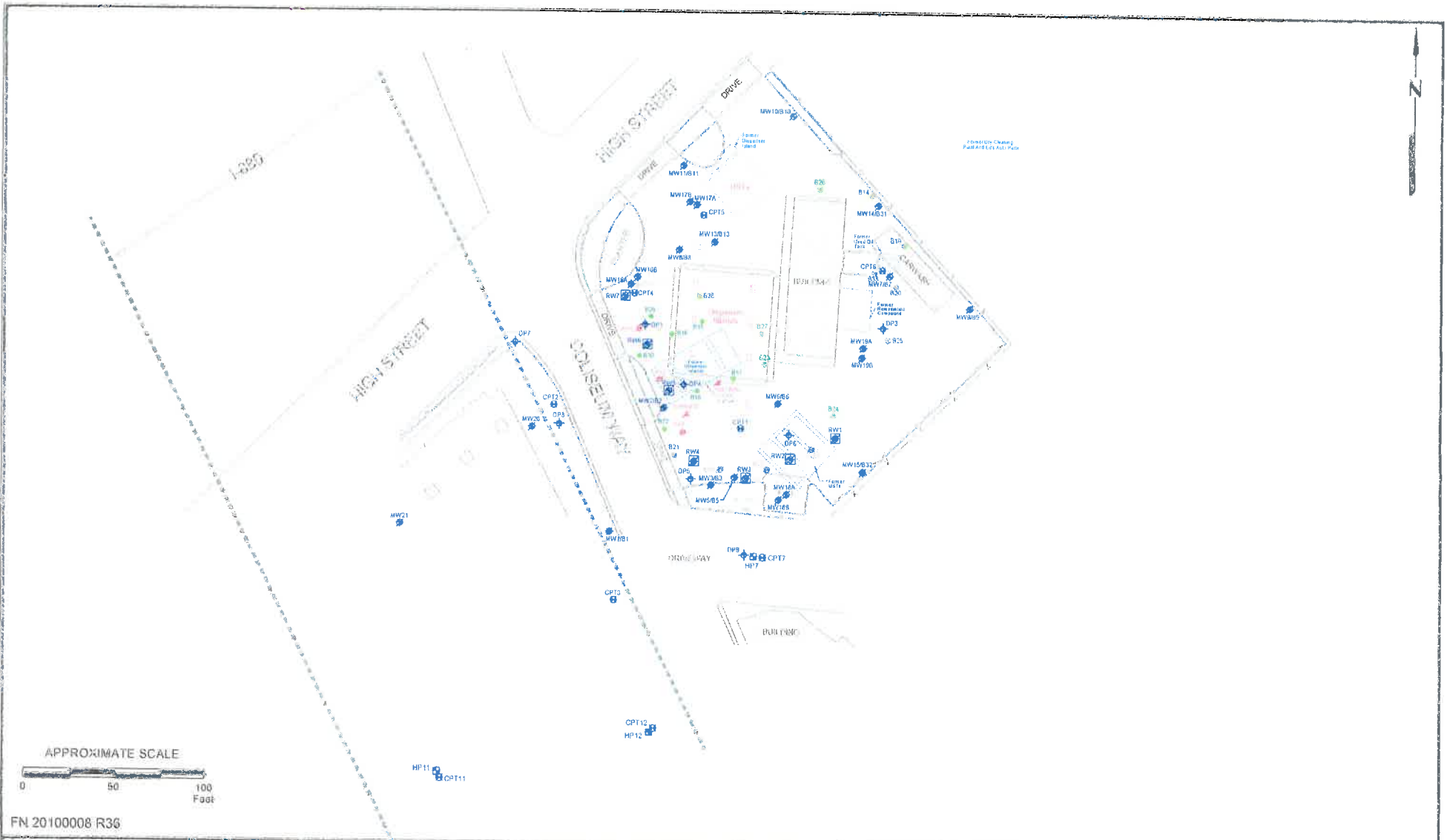
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Alameda County Public Works Agency - Water Resources Well Permit

5. Remove the Christy box or similar structure. Pressure Grout with Cement (Less than 30 ft in depth). After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
 6. 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.
 7. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
 8. 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.
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FN 20100008 R36



GENERALIZED SITE PLAN
 FORMER EXXON SERVICE STATION 73006
 720 High Street
 Oakland, California

EXPLANATION

- MW221 Monitoring Well
- DP7 Direct Push Boring
- DP12 Direct Push Boring
- HP12 Hydropanch Boring
- HS6 Scan Boring/Soil Sample
- DP8 Direct Push Boring
- DP13 Direct Push Boring
- HP12 Hydropanch Boring
- HS6 Scan Boring/Soil Sample

PROJECT NO.

2010

PLATE

2

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

Total depth of boring: 18-1/2 feet Diameter of boring: 10 inches Date drilled: 10-31-90
 Casing diameter: 4 inches Length: 17 feet Slot size: 0.010-inch
 Screen diameter: 4 inches Length: 10 feet Material type: Sch 40 PVC
 Drilling Company: Kvilhaug Well Drilling, Inc. Driller: Mike and Joel
 Method Used: Hollow-Stem Auger Field Geologist: Eric Twitty

Depth	Sample No.	Blows	OVM	USCS Code	Description	Well Const.
0				CL	Silty clay, dark brown to black, damp, medium plasticity, medium stiff.	
2		5				
4	S-3	4 5	0			
6	S-5.5	4 8 15	500		Brown, moist, stiff, obvious odor.	
8	S-8	7 14 23	200	GC	Clayey gravel with some sand, dark brown and gray, moist, low to medium plasticity, medium dense.	
10	S-10.5	6 14 21	>1000		Obvious odor.	
12		14				
14	S-13	25 18	466	SP	Coarse sand with some gravel and trace clay, orange, wet.	
16	S-15.5	13 6 6	333	CL	Silty clay, brown, moist, medium plasticity, medium stiff.	
18	S-18	3 4 5	>1000		Green discoloration, obvious odor.	
20					Total Depth = 18-1/2 feet.	



PROJECT NO. **87042-9R**

LOG OF BORING MW-14
 Exxon Station No. 7-3006
 720 High Street
 Oakland, California

PLATE
C-2

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id:	1448478048663	City of Project Site:	Oakland
Site Location:	720 High St, Oakland, CA	Completion Date:	01/15/2016
Project Start Date:	12/31/2015	Extension End Date:	01/22/2016
Assigned Inspector:	Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com	Extended By:	jamesy
Extension Start Date:	01/15/2016		
Extension Count:	1		

Applicant:	Cardno - Scott Perkins	Phone:	707-766-2000
	601 N McDowell Blvd, Petaluma, CA 94954		
Property Owner:	Mr. Mo Mashoon Mash Petroleum	Phone:	--
	428 13th St, 10th Flr., Oakland, CA 94612		
Client:	Exxon Jen Sedlachek	Phone:	510-547-8196
	4096 Piedmont Ave, Oakland, CA 94611		

Receipt Number: WR2015-0606	Total Due:	\$6617.00
Payer Name : Cardno	Total Amount Paid:	\$6617.00
	PAID BY: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells
Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1095	12/16/2015	03/30/2016	MW12	10.00 in.	4.00 in.	0.00 ft	15.50 ft			
W2015-1096	12/16/2015	03/30/2016	MW14	10.00 in.	4.00 in.	0.00 ft	17.00 ft			
W2015-1097	12/16/2015	03/30/2016	MW16A	8.00 in.	2.00 in.	0.00 ft	12.50 ft			
W2015-1098	12/16/2015	03/30/2016	MW16B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1099	12/16/2015	03/30/2016	MW17A	8.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-1100	12/16/2015	03/30/2016	MW17B	8.00 in.	2.00 in.	0.00 ft	26.00 ft			
W2015-1101	12/16/2015	03/30/2016	MW18A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1102	12/16/2015	03/30/2016	MW18B	8.00 in.	2.00 in.	0.00 ft	21.00 ft			
W2015-1103	12/16/2015	03/30/2016	MW19A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1104	12/16/2015	03/30/2016	MW19B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1105	12/16/2015	03/30/2016	MW2	0.00 in.	4.00 in.	0.00 ft	36.00 ft			
W2015-1106	12/16/2015	03/30/2016	MW20	10.00 in.	2.00 in.	0.00 ft	15.50 ft			
W2015-1107	12/16/2015	03/30/2016	MW21	10.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-	12/16/2015	03/30/2016	MW3	0.00 in.	4.00 in.	0.00 ft	36.00 ft			

Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015-1109	12/16/2015	03/30/2016	MW4	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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1109

W2015-1110	12/16/2015	03/30/2016	MW6	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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1110

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.
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8. Remove the Christy box or similar structure.

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.
9. 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.

Alameda County Public Works Agency - Water Resources Well Permit

10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

11. Any well That is less than 2 inches in diameter shall be drilled out to the total depth.

Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$265.00

Specifications

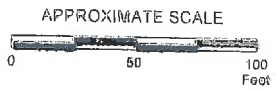
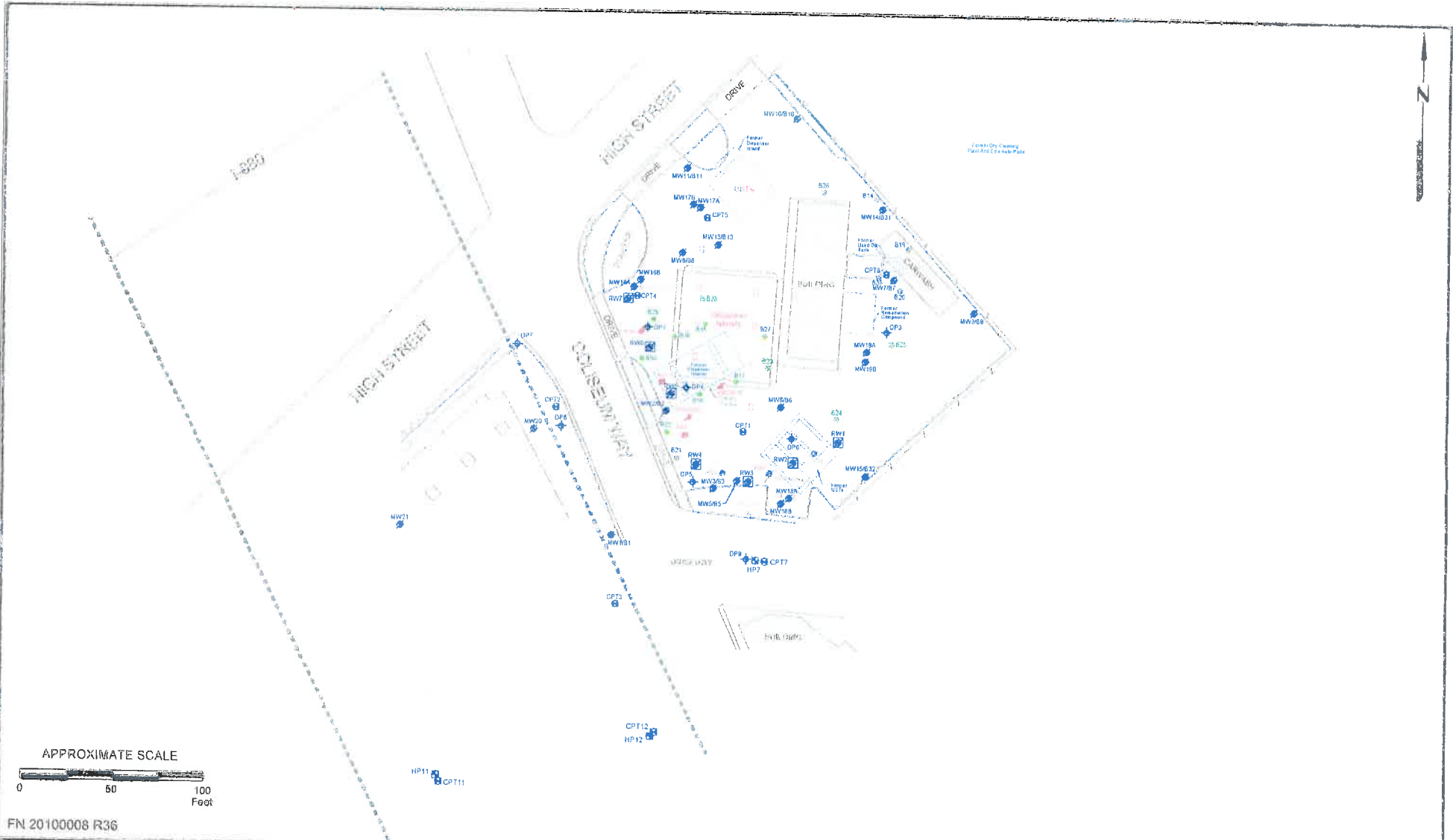
Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1111	12/16/2015	03/30/2016	AS1	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS2	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS3	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS4	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS5	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS6	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW1	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW2	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW3	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW4	0.00 in.	6.00 in.	0.00 ft	0.00 ft			

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 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.
3. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.
4. 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.

Alameda County Public Works Agency - Water Resources Well Permit

5. Remove the Christy box or similar structure. Pressure Grout with Cement (Less than 30 ft in depth). After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
 6. 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.
 7. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
 8. 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.
 9. Any well that is less than 2 inches in diameter shall be drilled out to the total depth.
 10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
-



FN 20100008 R36



GENERALIZED SITE PLAN
 FORMER EXXON SERVICE STATION 73006
 720 High Street
 Oakland, California

EXPLANATION	
MW21	Use/Retired Groundwater Monitoring Well
RW2	Retired Recovery Well
DP2	Direct Push Boring
CPT12	Cone Penetration Test Boring
HP15	Hydro-punch Boring
638	Soil Ring/Soil Sample

PROJECT NO.
2010

PLATE
2

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

Total depth of boring: 12-1/2 feet **Diameter of boring:** 8 inches **Date drilled:** 11-28-89
Casing diameter: N/A **Length:** N/A **Slot size:** N/A
Screen diameter: N/A **Length:** N/A **Material type:** N/A
Drilling Company: Kvilhaug Well Drilling, Inc. **Driller:** Rod and Mike
Method Used: Hollow-Stem Auger **Field Geologist:** Russell Bak

Signature of Registered Professional: _____
Registration No.: _____ **State:** CA

Depth	Sample No.	Blows	P.L.D.	USCS Code	Description	Well Const.
0					Asphalt (3 inches) over base rock (6 inches).	
2				CL	Silty clay, black, damp.	
4		5		ML	Sandy silt, tan-brown, slightly damp, low to medium plasticity, stiff.	
6	S-5	10 11	94		Grades with trace gravel.	
8	S-7	10 16 26	1043	GM	Sandy silty medium gravel, dark gray, brown with yellow brown and red mottling, very moist, dense, noticeable odor.	
10	S-10	9 15 12	18.7		Grades with no fines and coarse sand.	
12	S-12	3 3 4	27	SM ML	Medium to coarse sand, tan-brown, wet, dense. Sandy silt, tan-brown, damp, low to moderate plasticity, stiff.	
Total Depth = 12-1/2 feet.						
14						
16						
18						
20						



PROJECT NO. 87042-6

LOG OF BORING B - 16
Exxon Station No. 7-3006
720 High Street
Oakland, California

PLATE
C - 10

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id: 1448478048663
Site Location: 720 High St, Oakland, CA
Project Start Date: 12/31/2015
Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com
Extension Start Date: 01/15/2016
Extension Count: 1

City of Project Site: Oakland

Completion Date: 01/15/2016
Extension End Date: 01/22/2016
Extended By: jamesy

Applicant: Cardno - Scott Perkins
601 N McDowell Blvd, Petaluma, CA 94954
Property Owner: Mr. Mo Mashoon Mash Petroleum
428 13th St, 10th Fl., Oakland, CA 94612
Client: Exxon Jen Sedlachek
4096 Piedmont Ave, Oakland, CA 94611

Phone: 707-766-2000

Phone: --

Phone: 510-547-8196

Receipt Number: WR2015-0606 **Total Due:** \$6617.00
Payer Name : Cardno **Total Amount Paid:** \$6617.00
PAID BY: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1095	12/16/2015	03/30/2016	MW12	10.00 in.	4.00 in.	0.00 ft	15.50 ft			
W2015-1096	12/16/2015	03/30/2016	MW14	10.00 in.	4.00 in.	0.00 ft	17.00 ft			
W2015-1097	12/16/2015	03/30/2016	MW16A	8.00 in.	2.00 in.	0.00 ft	12.50 ft			
W2015-1098	12/16/2015	03/30/2016	MW16B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1099	12/16/2015	03/30/2016	MW17A	8.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-1100	12/16/2015	03/30/2016	MW17B	8.00 in.	2.00 in.	0.00 ft	26.00 ft			
W2015-1101	12/16/2015	03/30/2016	MW18A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1102	12/16/2015	03/30/2016	MW18B	8.00 in.	2.00 in.	0.00 ft	21.00 ft			
W2015-1103	12/16/2015	03/30/2016	MW19A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1104	12/16/2015	03/30/2016	MW19B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1105	12/16/2015	03/30/2016	MW2	0.00 in.	4.00 in.	0.00 ft	36.00 ft			
W2015-1106	12/16/2015	03/30/2016	MW20	10.00 in.	2.00 in.	0.00 ft	15.50 ft			
W2015-1107	12/16/2015	03/30/2016	MW21	10.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-	12/16/2015	03/30/2016	MW3	0.00 in.	4.00 in.	0.00 ft	36.00 ft			

Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015- 12/16/2015 03/30/2016 MW4 0.00 in. 4.00 in. 0.00 ft 36.00 ft

1109

W2015- 12/16/2015 03/30/2016 MW6 0.00 in. 4.00 in. 0.00 ft 36.00 ft

1110

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 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 10 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 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.
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 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.
9. 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.

Alameda County Public Works Agency - Water Resources Well Permit

10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

11. Any well That is less than 2 inches in diameter shall be drilled out to the total depth.

Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

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 #
W2015-1111	12/16/2015	03/30/2016	AS1	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS2	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS3	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS4	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS5	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS6	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW1	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW2	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW3	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW4	0.00 in.	6.00 in.	0.00 ft	0.00 ft			

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 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.

3. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.

4. 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.

Alameda County Public Works Agency - Water Resources Well Permit

5. Remove the Christy box or similar structure. Pressure Grout with Cement (Less than 30 ft in depth). After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
 6. 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.
 7. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
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CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

Total depth of boring: 12-1/2 feet **Diameter of boring:** 8 inches **Date drilled:** 11-28-89
Casing diameter: N/A **Length:** N/A **Slot size:** N/A
Screen diameter: N/A **Length:** N/A **Material type:** N/A
Drilling Company: Kvilhaug Well Drilling, Inc. **Driller:** Rod and Mike
Method Used: Hollow-Stem Auger **Field Geologist:** Russell Bak

Signature of Registered Professional: _____

Registration No.: _____ **State:** CA

Depth	Sample No.	Blows	P.L.D.	USCS Code	Description	Well Const.
0					Asphalt (3 inches) over base rock (6 inches).	
2				CL	Silty clay, black, damp.	▽▽▽▽
4				ML	Sandy silt, tan-brown, slightly damp, low to medium plasticity, stiff.	▽▽▽▽
6	S-5	5 10 11	94		Grades with trace gravel.	▽▽▽▽
8	S-7	10 16 26	1043	GM	Sandy silty medium gravel, dark gray, brown with yellow brown and red mottling, very moist, dense, noticeable odor.	▽▽▽▽
10	S-10	9 15 12	18.7		Grades with no fines and coarse sand.	▽▽▽▽
12	S-12	3 3 4	27	SM ML	Medium to coarse sand, tan-brown, wet, dense. Sandy silt, tan-brown, damp, low to moderate plasticity, stiff.	▽▽▽▽
14					Total Depth = 12-1/2 feet.	
16						
18						
20						



PROJECT NO. 87042-6

LOG OF BORING B - 16
Exxon Station No. 7-3006
720 High Street
Oakland, California

PLATE
C - 10

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id:	1448478048663	City of Project Site:	Oakland
Site Location:	720 High St, Oakland, CA	Completion Date:	01/15/2016
Project Start Date:	12/31/2015	Extension End Date:	01/22/2016
Assigned Inspector:	Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com	Extended By:	jamesy
Extension Start Date:	01/15/2016		
Extension Count:	1		

Applicant:	Cardno - Scott Perkins	Phone:	707-766-2000
	601 N McDowell Blvd, Petaluma, CA 94954		
Property Owner:	Mr. Mo Mashoon Mash Petroleum	Phone:	--
	428 13th St, 10th Flr., Oakland, CA 94612		
Client:	Exxon Jen Sedlachek	Phone:	510-547-8196
	4096 Piedmont Ave, Oakland, CA 94611		

Receipt Number: WR2015-0606	Total Due:	\$6617.00
Payer Name : Cardno	Total Amount Paid:	\$6617.00
	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1095	12/16/2015	03/30/2016	MW12	10.00 in.	4.00 in.	0.00 ft	15.50 ft			
W2015-1096	12/16/2015	03/30/2016	MW14	10.00 in.	4.00 in.	0.00 ft	17.00 ft			
W2015-1097	12/16/2015	03/30/2016	MW16A	8.00 in.	2.00 in.	0.00 ft	12.50 ft			
W2015-1098	12/16/2015	03/30/2016	MW16B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1099	12/16/2015	03/30/2016	MW17A	8.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-1100	12/16/2015	03/30/2016	MW17B	8.00 in.	2.00 in.	0.00 ft	26.00 ft			
W2015-1101	12/16/2015	03/30/2016	MW18A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1102	12/16/2015	03/30/2016	MW18B	8.00 in.	2.00 in.	0.00 ft	21.00 ft			
W2015-1103	12/16/2015	03/30/2016	MW19A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1104	12/16/2015	03/30/2016	MW19B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1105	12/16/2015	03/30/2016	MW2	0.00 in.	4.00 in.	0.00 ft	36.00 ft			
W2015-1106	12/16/2015	03/30/2016	MW20	10.00 in.	2.00 in.	0.00 ft	15.50 ft			
W2015-1107	12/16/2015	03/30/2016	MW21	10.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-	12/16/2015	03/30/2016	MW3	0.00 in.	4.00 in.	0.00 ft	36.00 ft			

Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015-1109	12/16/2015	03/30/2016	MW4	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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W2015-1110	12/16/2015	03/30/2016	MW6	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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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.

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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 10 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 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.

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 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.

9. 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.

Alameda County Public Works Agency - Water Resources Well Permit

10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

11. Any well That is less than 2 inches in diameter shall be drilled out to the total depth.

Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$265.00

Specifications

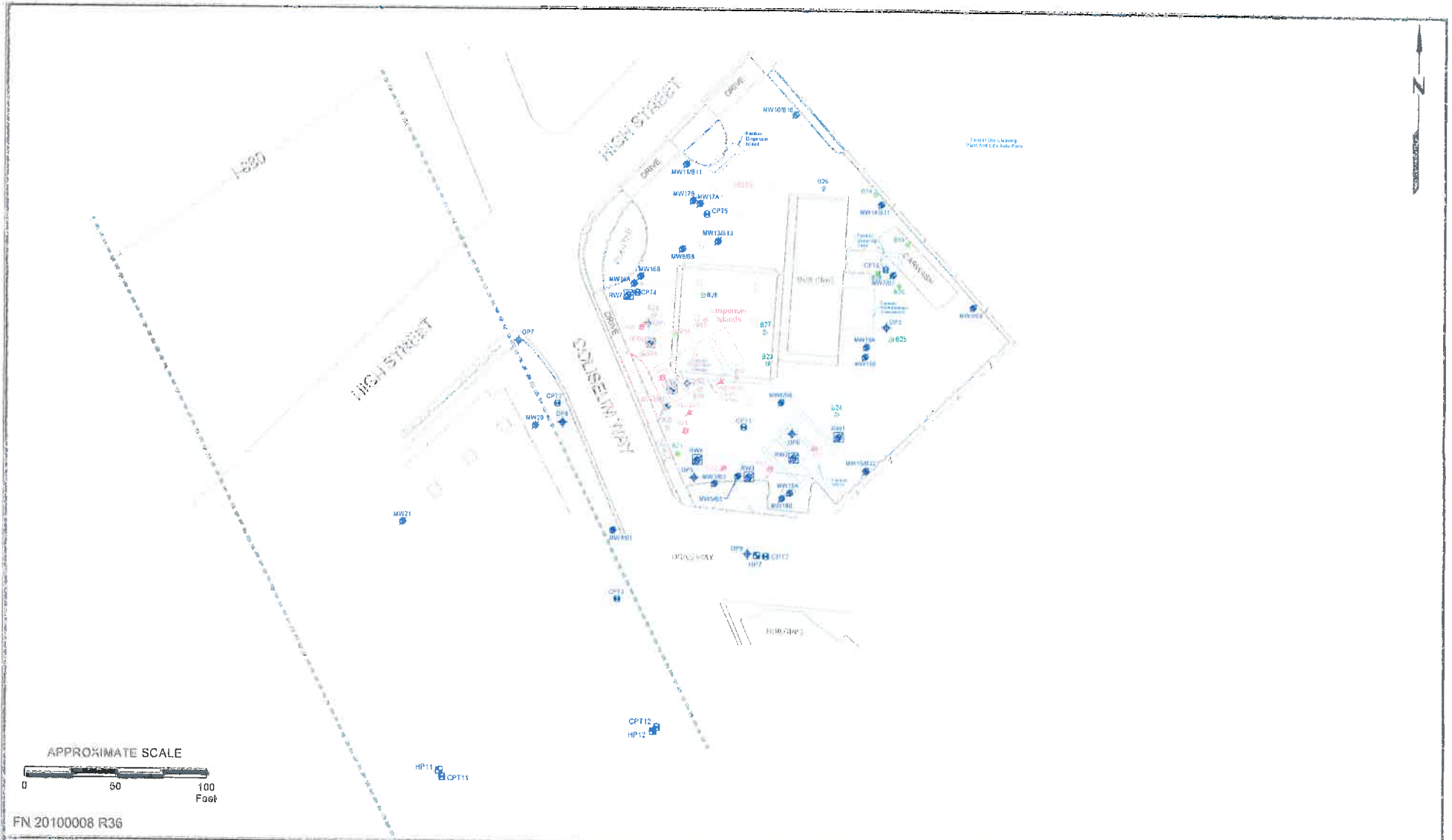
Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1111	12/16/2015	03/30/2016	AS1	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS2	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS3	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS4	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS5	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS6	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW1	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW2	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW3	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW4	0.00 in.	6.00 in.	0.00 ft	0.00 ft			

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 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.
3. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.
4. 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.

Alameda County Public Works Agency - Water Resources Well Permit

5. Remove the Christy box or similar structure. Pressure Grout with Cement (Less than 30 ft in depth). After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
 6. 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.
 7. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
 8. 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.
 9. Any well that is less than 2 inches in diameter shall be drilled out to the total depth.
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-



GENERALIZED SITE PLAN
 FORMER EXXON SERVICE STATION 73006
 720 High Street
 Oakland, California

EXPLANATION

- MW21 Destroyed Groundwater Monitoring Well
- RW1 Destroyed Recovery Well
- HP12 Direct-Push Boring
- TPT12 Cone Penetration Test Boring
- HP12 Hydroponch Boring
- 1588 Soil Borehole/Sand Sample

PROJECT NO.
2010

PLATE
2

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

Total depth of boring: 13 feet **Diameter of boring:** 8 inches **Date drilled:** 11-29-89
Casing diameter: N/A **Length:** N/A **Slot size:** N/A
Screen diameter: N/A **Length:** N/A **Material type:** N/A
Drilling Company: Kvilhaug Well Drilling, Inc. **Driller:** Rod and Mike
Method Used: Hollow-Stem Auger **Field Geologist:** Russell Bak

Signature of Registered Professional: _____
Registration No.: _____ **State:** CA

Depth	Sample No.	Bores	P.L.D.	USCS Code	Description	Well Coat.
0					Asphalt (3 inches) over base rock (1 foot).	▽▽▽▽
2				CL	Clay with wood fragments, dark gray-brown, damp, medium plasticity, stiff.	▽▽▽▽
4		4			Abundant wood fragments.	▽▽▽▽
6	S-5	4 8	0.4	CL	Clay, tan-gray mottled, damp, medium plasticity, stiff.	▽▽▽▽
8	S-7.5	4 11 18	12.8	ML	Sandy silt, tan, damp, low plasticity, very stiff.	▽▽▽▽
10	S-10	10 23 2	692	GM	Sandy silty medium gravel, gray-green with yellow-brown staining, damp, dense, noticeable odor.	▽▽▽▽
12	S-12.5	11 14 32	268	▽ =	Wet.	▽▽▽▽
14					Total Depth = 13 feet.	
16						
18						
20						



PROJECT NO. 87042-6

LOG OF BORING B - 17
Exxon Station No. 7-3006
720 High Street
Oakland, California

PLATE
C - -

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id: 1448478048663
Site Location: 720 High St, Oakland, CA
Project Start Date: 12/31/2015
Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com
Extension Start Date: 01/15/2016
Extension Count: 1

City of Project Site: Oakland

Completion Date: 01/15/2016

Extension End Date: 01/22/2016

Extended By: jamesy

Applicant: Cardno - Scott Perkins **Phone:** 707-766-2000
 601 N McDowell Blvd, Petaluma, CA 94954
Property Owner: Mr. Mo Mashoon Mash Petroleum **Phone:** --
 428 13th St, 10th Flr., Oakland, CA 94612
Client: Exxon Jen Sedlachek **Phone:** 510-547-8196
 4096 Piedmont Ave, Oakland, CA 94611

	Total Due:	\$6617.00
Receipt Number: WR2015-0606	Total Amount Paid:	\$6617.00
Payer Name : Cardno	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells
 Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1095	12/16/2015	03/30/2016	MW12	10.00 in.	4.00 in.	0.00 ft	15.50 ft			
W2015-1096	12/16/2015	03/30/2016	MW14	10.00 in.	4.00 in.	0.00 ft	17.00 ft			
W2015-1097	12/16/2015	03/30/2016	MW16A	8.00 in.	2.00 in.	0.00 ft	12.50 ft			
W2015-1098	12/16/2015	03/30/2016	MW16B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1099	12/16/2015	03/30/2016	MW17A	8.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-1100	12/16/2015	03/30/2016	MW17B	8.00 in.	2.00 in.	0.00 ft	26.00 ft			
W2015-1101	12/16/2015	03/30/2016	MW18A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1102	12/16/2015	03/30/2016	MW18B	8.00 in.	2.00 in.	0.00 ft	21.00 ft			
W2015-1103	12/16/2015	03/30/2016	MW19A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1104	12/16/2015	03/30/2016	MW19B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1105	12/16/2015	03/30/2016	MW2	0.00 in.	4.00 in.	0.00 ft	36.00 ft			
W2015-1106	12/16/2015	03/30/2016	MW20	10.00 in.	2.00 in.	0.00 ft	15.50 ft			
W2015-1107	12/16/2015	03/30/2016	MW21	10.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-	12/16/2015	03/30/2016	MW3	0.00 in.	4.00 in.	0.00 ft	36.00 ft			

Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015-1109	12/16/2015	03/30/2016	MW4	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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W2015-1110	12/16/2015	03/30/2016	MW6	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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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 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 10 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 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.

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 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.

9. 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.

Alameda County Public Works Agency - Water Resources Well Permit

10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

11. Any well That is less than 2 inches in diameter shall be drilled out to the total depth.

Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

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 #
W2015-1111	12/16/2015	03/30/2016	AS1	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS2	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS3	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS4	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS5	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS6	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW1	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW2	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW3	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW4	0.00 in.	6.00 in.	0.00 ft	0.00 ft			

Specific Work Permit Conditions

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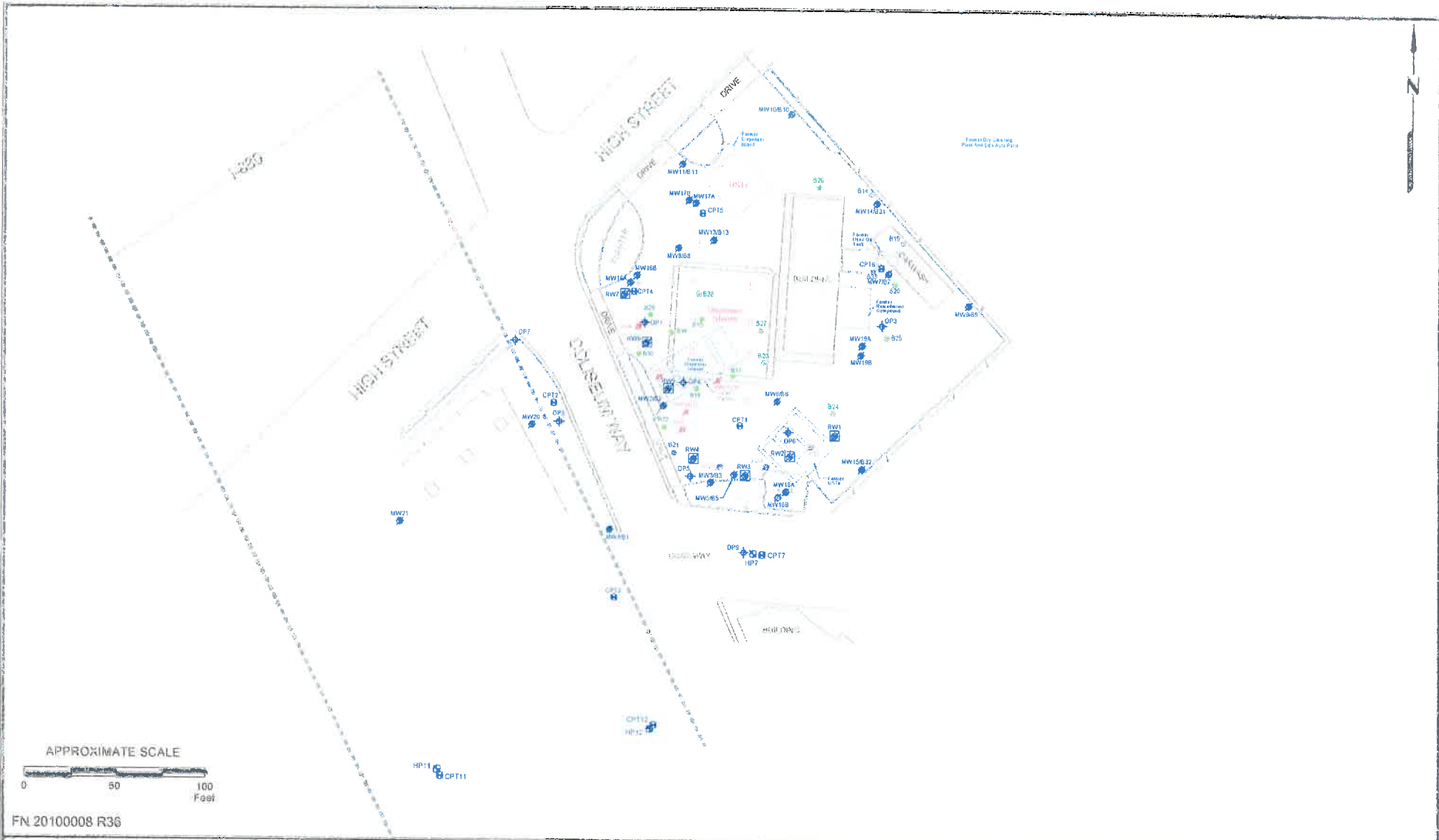
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Alameda County Public Works Agency - Water Resources Well Permit

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-



FN 20100008 R36



GENERALIZED SITE PLAN
 FORMER EXXON SERVICE STATION 73006
 720 High Street
 Oakland, California

EXPLANATION	
MW21	Destroyed Groundwater Monitoring Well
RW7	Destroyed Recovery Well
DP9	Direct Push Boring
CPT12	Cone Penetration Test Boring
HP12	Hydraulic Boring
B38	Soil Boring/Soil Sample

PROJECT NO.
2010

PLATE
2

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

Total depth of boring: 13 feet **Diameter of boring:** 8 inches **Date drilled:** 11-29-89
Casing diameter: N/A **Length:** N/A **Slot size:** N/A
Screen diameter: N/A **Length:** N/A **Material type:** N/A
Drilling Company: Kvilhaug Well Drilling, Inc. **Driller:** Rod and Mike
Method Used: Hollow-Stem Auger **Field Geologist:** Russell Bak

Signature of Registered Professional: _____
Registration No.: _____ **State:** CA

Depth	Sample No.	Blows	P.L.D.	USCS Code	Description	Well Coat.
0					Asphalt (3 inches) over base rock (1 foot).	▽▽▽▽
2				CL	Clay with wood fragments, dark gray-brown, damp, medium plasticity, stiff.	▽▽▽▽
4		4			Abundant wood fragments.	▽▽▽▽
6	S-5	4 8	0.4	CL	Clay, tan-gray mottled, damp, medium plasticity, stiff.	▽▽▽▽
8	S-7.5	4 11 18	12.8	ML	Sandy silt, tan, damp, low plasticity, very stiff.	▽▽▽▽
10	S-10	10 23 2	692	GM	Sandy silty medium gravel, gray-green with yellow-brown staining, damp, dense, noticeable odor.	▽▽▽▽
12	S-12.5	11 14 32	268	▽ =	Wet.	▽▽▽▽
14					Total Depth = 13 feet.	
16						
18						
20						



PROJECT NO. 87042-6

LOG OF BORING B - 17
Exxon Station No. 7-3006
720 High Street
Oakland, California

PLATE
C - -

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id:	1448478048663			
Site Location:	720 High St, Oakland, CA	City of Project Site:	Oakland	
Project Start Date:	12/31/2015	Completion Date:	01/15/2016	
Assigned Inspector:	Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com	Extension End Date:	01/22/2016	
Extension Start Date:	01/15/2016	Extended By:	jamesy	
Extension Count:	1			

Applicant:	Cardno - Scott Perkins		Phone:	707-766-2000
	601 N McDowell Blvd, Petaluma, CA 94954			
Property Owner:	Mr. Mo Mashoon Mash Petroleum		Phone:	--
	428 13th St, 10th Flr., Oakland, CA 94612			
Client:	Exxon Jen Sedlachek		Phone:	510-547-8196
	4096 Piedmont Ave, Oakland, CA 94611			

Receipt Number: WR2015-0606	Total Due:		\$6617.00
Payer Name : Cardno	Total Amount Paid:		\$6617.00
	Paid By: CHECK		PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1095	12/16/2015	03/30/2016	MW12	10.00 in.	4.00 in.	0.00 ft	15.50 ft			
W2015-1096	12/16/2015	03/30/2016	MW14	10.00 in.	4.00 in.	0.00 ft	17.00 ft			
W2015-1097	12/16/2015	03/30/2016	MW16A	8.00 in.	2.00 in.	0.00 ft	12.50 ft			
W2015-1098	12/16/2015	03/30/2016	MW16B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1099	12/16/2015	03/30/2016	MW17A	8.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-1100	12/16/2015	03/30/2016	MW17B	8.00 in.	2.00 in.	0.00 ft	26.00 ft			
W2015-1101	12/16/2015	03/30/2016	MW18A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
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W2015-1103	12/16/2015	03/30/2016	MW19A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1104	12/16/2015	03/30/2016	MW19B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1105	12/16/2015	03/30/2016	MW2	0.00 in.	4.00 in.	0.00 ft	36.00 ft			
W2015-1106	12/16/2015	03/30/2016	MW20	10.00 in.	2.00 in.	0.00 ft	15.50 ft			
W2015-1107	12/16/2015	03/30/2016	MW21	10.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-	12/16/2015	03/30/2016	MW3	0.00 in.	4.00 in.	0.00 ft	36.00 ft			

Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015-1109	12/16/2015	03/30/2016	MW4	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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W2015-1110	12/16/2015	03/30/2016	MW6	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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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.

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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 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.

9. 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.

Alameda County Public Works Agency - Water Resources Well Permit

10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

11. Any well That is less than 2 inches in diameter shall be drilled out to the total depth.

Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

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 #
W2015-1111	12/16/2015	03/30/2016	AS1	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS2	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS3	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS4	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS5	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS6	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW1	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW2	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW3	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW4	0.00 in.	6.00 in.	0.00 ft	0.00 ft			

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.

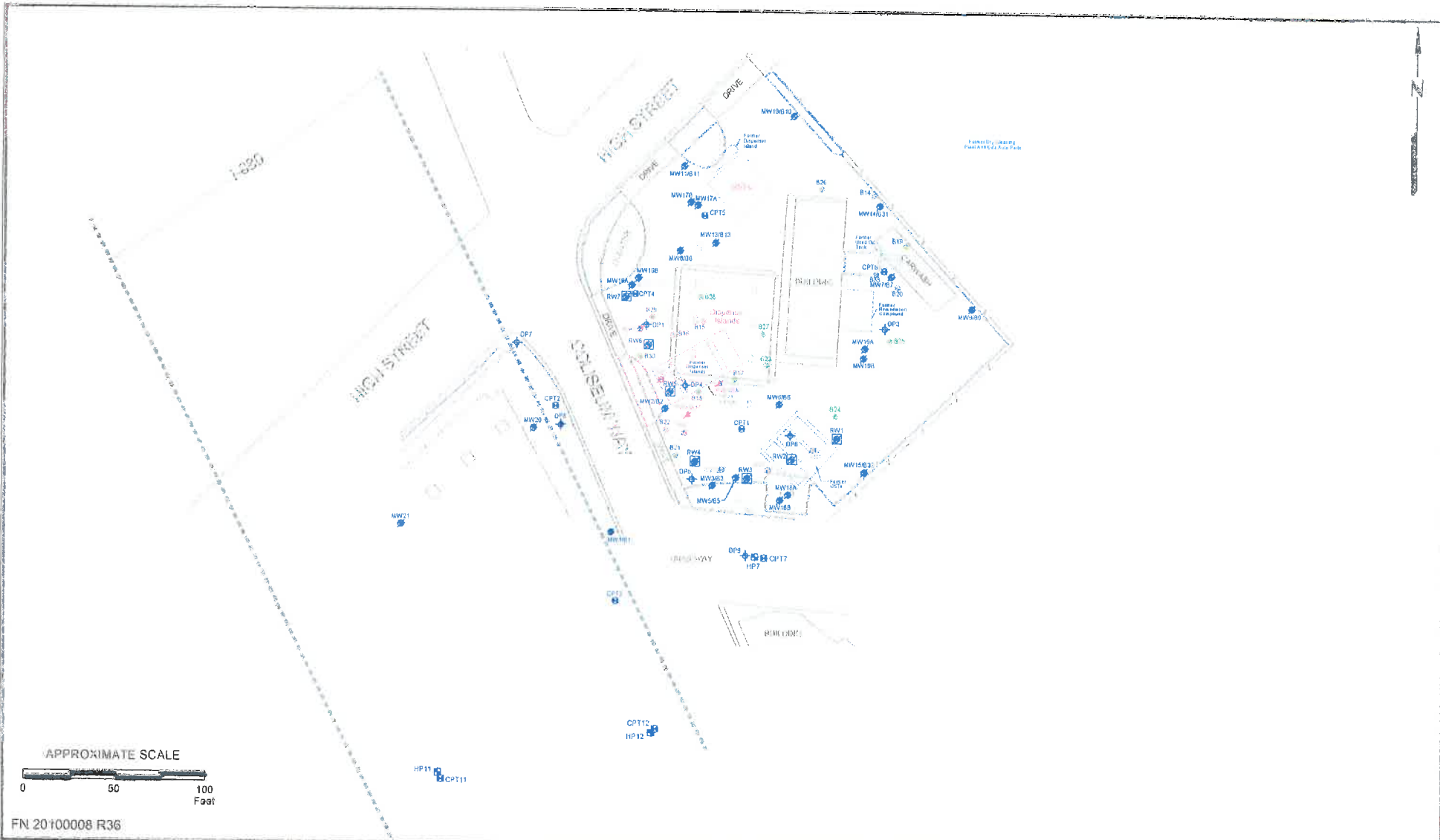
2. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor 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.

3. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.

4. 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.

Alameda County Public Works Agency - Water Resources Well Permit

5. Remove the Christy box or similar structure. Pressure Grout with Cement (Less than 30 ft in depth). After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
 6. 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.
 7. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
 8. 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.
 9. Any well that is less than 2 inches in diameter shall be drilled out to the total depth.
 10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
-



GENERALIZED SITE PLAN
 FORMER EXXON SERVICE STATION 73006
 720 High Street
 Oakland, California

EXPLANATION

- MW21 Destroyed Groundwater Monitoring Well
- RW2 Destroyed Recovery Well
- HP12 Hydro-punch Boring
- NS Non-Monitoring Sampler
- DPR Diesel Push Rising
- CPT12 Cone Penetration Test Boring
- HP12 Hydro-punch Boring

PROJECT NO.
2010

PLATE
2



CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

Total depth of boring: _____ feet Diameter of boring: 8 inches Date drilled: 11-29-89

Casing diameter: N/A Length: N/A Slot size: N/A

Screen diameter: N/A Length: N/A Material type: N/A

Drilling Company: Kvilhaug Well Drilling, Inc. Driller: Rod and Mike

Method Used: Hollow-Stem Auger Field Geologist: Russell Bak

Signature of Registered Professional: _____

Registration No. _____ State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Coat.
0					Asphalt (4 inches) over base rock (1foot).	▽▽▽▽
2				CL	Silty clay, black, damp, noticeable odor.	▽▽▽▽
				CL	Clay, dark gray, slightly damp, medium plasticity, stiff.	▽▽▽▽
4		4				▽▽▽▽
	S-5	10				▽▽▽▽
		13	30.6	ML	Silt, green-gray with trace tan mottling, very damp, low plasticity, very stiff, noticeable odor.	▽▽▽▽
6		15				▽▽▽▽
		19				▽▽▽▽
8	S-7.5	21	141.6	GC	Medium gravel with some sand and clay, gray and tan-brown, moist, very dense, noticeable odor.	▽▽▽▽
10		12				▽▽▽▽
	S-10	14				▽▽▽▽
		8	520	▽ ≡	Medium to coarse gravel, wet.	▽▽▽▽
12		9		SC	Clayey sand, gray and tan-brown, wet.	▽▽▽▽
	S-12.5	11		ML	Clayey silt, tan, moist, low plasticity, dense.	▽▽▽▽
		9	3.8			▽▽▽▽
14					Total Depth = 13 feet.	
16						
18						
20						



PROJECT NO. 87042-6

LOG OF BORING B - 18

Exxon Station No. 7-3006
720 High Street
Oakland, California

PLATE

C -

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id: 1448478048663
Site Location: 720 High St, Oakland, CA
Project Start Date: 12/31/2015
Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com
Extension Start Date: 01/15/2016
Extension Count: 1

City of Project Site: Oakland

Completion Date: 01/15/2016
Extension End Date: 01/22/2016
Extended By: jamesy

Applicant: Cardno - Scott Perkins
601 N McDowell Blvd, Petaluma, CA 94954
Property Owner: Mr. Mo Mashoon Mash Petroleum
428 13th St, 10th Flr., Oakland, CA 94612
Client: Exxon Jen Sedlachek
4096 Piedmont Ave, Oakland, CA 94611

Phone: 707-766-2000

Phone: --

Phone: 510-547-8196

Receipt Number: WR2015-0606	Total Due:	\$6617.00
Payer Name : Cardno	Total Amount Paid:	\$6617.00
	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells
Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1095	12/16/2015	03/30/2016	MW12	10.00 in.	4.00 in.	0.00 ft	15.50 ft			
W2015-1096	12/16/2015	03/30/2016	MW14	10.00 in.	4.00 in.	0.00 ft	17.00 ft			
W2015-1097	12/16/2015	03/30/2016	MW16A	8.00 in.	2.00 in.	0.00 ft	12.50 ft			
W2015-1098	12/16/2015	03/30/2016	MW16B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1099	12/16/2015	03/30/2016	MW17A	8.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-1100	12/16/2015	03/30/2016	MW17B	8.00 in.	2.00 in.	0.00 ft	26.00 ft			
W2015-1101	12/16/2015	03/30/2016	MW18A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1102	12/16/2015	03/30/2016	MW18B	8.00 in.	2.00 in.	0.00 ft	21.00 ft			
W2015-1103	12/16/2015	03/30/2016	MW19A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1104	12/16/2015	03/30/2016	MW19B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1105	12/16/2015	03/30/2016	MW2	0.00 in.	4.00 in.	0.00 ft	36.00 ft			
W2015-1106	12/16/2015	03/30/2016	MW20	10.00 in.	2.00 in.	0.00 ft	15.50 ft			
W2015-1107	12/16/2015	03/30/2016	MW21	10.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-	12/16/2015	03/30/2016	MW3	0.00 in.	4.00 in.	0.00 ft	36.00 ft			

Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015-1109	12/16/2015	03/30/2016	MW4	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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W2015-1110	12/16/2015	03/30/2016	MW6	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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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 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 10 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 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.

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 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.

9. 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.

Alameda County Public Works Agency - Water Resources Well Permit

10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

11. Any well That is less than 2 inches in diameter shall be drilled out to the total depth.

Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

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 #
W2015-1111	12/16/2015	03/30/2016	AS1	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS2	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS3	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS4	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS5	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS6	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW1	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW2	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW3	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW4	0.00 in.	6.00 in.	0.00 ft	0.00 ft			

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 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.
3. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.
4. 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.

Alameda County Public Works Agency - Water Resources Well Permit

5. Remove the Christy box or similar structure. Pressure Grout with Cement (Less than 30 ft in depth). After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
 6. 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.
 7. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
 8. 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.
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CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

Total depth of boring: _____ feet Diameter of boring: 8 inches Date drilled: 11-29-89

Casing diameter: N/A Length: N/A Slot size: N/A

Screen diameter: N/A Length: N/A Material type: N/A

Drilling Company: Kvilhaug Well Drilling, Inc. Driller: Rod and Mike

Method Used: Hollow-Stem Auger Field Geologist: Russell Bak

Signature of Registered Professional: _____

Registration No.: _____ State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Cost.
0					Asphalt (4 inches) over base rock (1foot).	▽▽▽▽
2				CL	Silty clay, black, damp, noticeable odor.	▽▽▽▽
				CL	Clay, dark gray, slightly damp, medium plasticity, stiff.	▽▽▽▽
4	S-5	4	30.6	ML	Silt, green-gray with trace tan mottling, very damp, low plasticity, very stiff, noticeable odor.	▽▽▽▽
		10				
		13				
6		15	141.6	GC	Medium gravel with some sand and clay, gray and tan-brown, moist, very dense, noticeable odor.	▽▽▽▽
	19					
8	S-7.5	21				
10	S-10	12	520	▽ =	Medium to coarse gravel, wet.	▽▽▽▽
		14				
12		9	3.8	SC	Clayey sand, gray and tan-brown, wet.	▽▽▽▽
	S-12.5	11		ML	Clayey silt, tan, moist, low plasticity, dense.	
14		9			Total Depth = 13 feet.	
16						
18						
20						



PROJECT NO. 87042-6

LOG OF BORING B - 18
 Exxon Station No. 7-3006
 720 High Street
 Oakland, California

PLATE
 C - -

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id: 1448478048663
Site Location: 720 High St, Oakland, CA
Project Start Date: 12/31/2015
Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com
Extension Start Date: 01/15/2016
Extension Count: 1

City of Project Site: Oakland

Completion Date: 01/15/2016
Extension End Date: 01/22/2016
Extended By: jamesy

Applicant: Cardno - Scott Perkins
601 N McDowell Blvd, Petaluma, CA 94954
Property Owner: Mr. Mo Mashoon Mash Petroleum
428 13th St, 10th Flr., Oakland, CA 94612
Client: Exxon Jen Sedlachek
4096 Piedmont Ave, Oakland, CA 94611

Phone: 707-766-2000

Phone: --

Phone: 510-547-8196

Receipt Number: WR2015-0606	Total Due:	\$6617.00
Payer Name : Cardno	Total Amount Paid:	\$6617.00
	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1095	12/16/2015	03/30/2016	MW12	10.00 in.	4.00 in.	0.00 ft	15.50 ft			
W2015-1096	12/16/2015	03/30/2016	MW14	10.00 in.	4.00 in.	0.00 ft	17.00 ft			
W2015-1097	12/16/2015	03/30/2016	MW16A	8.00 in.	2.00 in.	0.00 ft	12.50 ft			
W2015-1098	12/16/2015	03/30/2016	MW16B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1099	12/16/2015	03/30/2016	MW17A	8.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-1100	12/16/2015	03/30/2016	MW17B	8.00 in.	2.00 in.	0.00 ft	26.00 ft			
W2015-1101	12/16/2015	03/30/2016	MW18A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1102	12/16/2015	03/30/2016	MW18B	8.00 in.	2.00 in.	0.00 ft	21.00 ft			
W2015-1103	12/16/2015	03/30/2016	MW19A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1104	12/16/2015	03/30/2016	MW19B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1105	12/16/2015	03/30/2016	MW2	0.00 in.	4.00 in.	0.00 ft	36.00 ft			
W2015-1106	12/16/2015	03/30/2016	MW20	10.00 in.	2.00 in.	0.00 ft	15.50 ft			
W2015-1107	12/16/2015	03/30/2016	MW21	10.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-	12/16/2015	03/30/2016	MW3	0.00 in.	4.00 in.	0.00 ft	36.00 ft			

Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015-1109	12/16/2015	03/30/2016	MW4	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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W2015-1110	12/16/2015	03/30/2016	MW6	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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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 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 10 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 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.

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 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.

9. 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.

Alameda County Public Works Agency - Water Resources Well Permit

10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

11. Any well That is less than 2 inches in diameter shall be drilled out to the total depth.

Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

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 #
W2015-1111	12/16/2015	03/30/2016	AS1	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS2	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS3	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS4	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS5	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS6	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW1	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW2	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW3	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW4	0.00 in.	6.00 in.	0.00 ft	0.00 ft			

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.

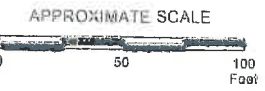
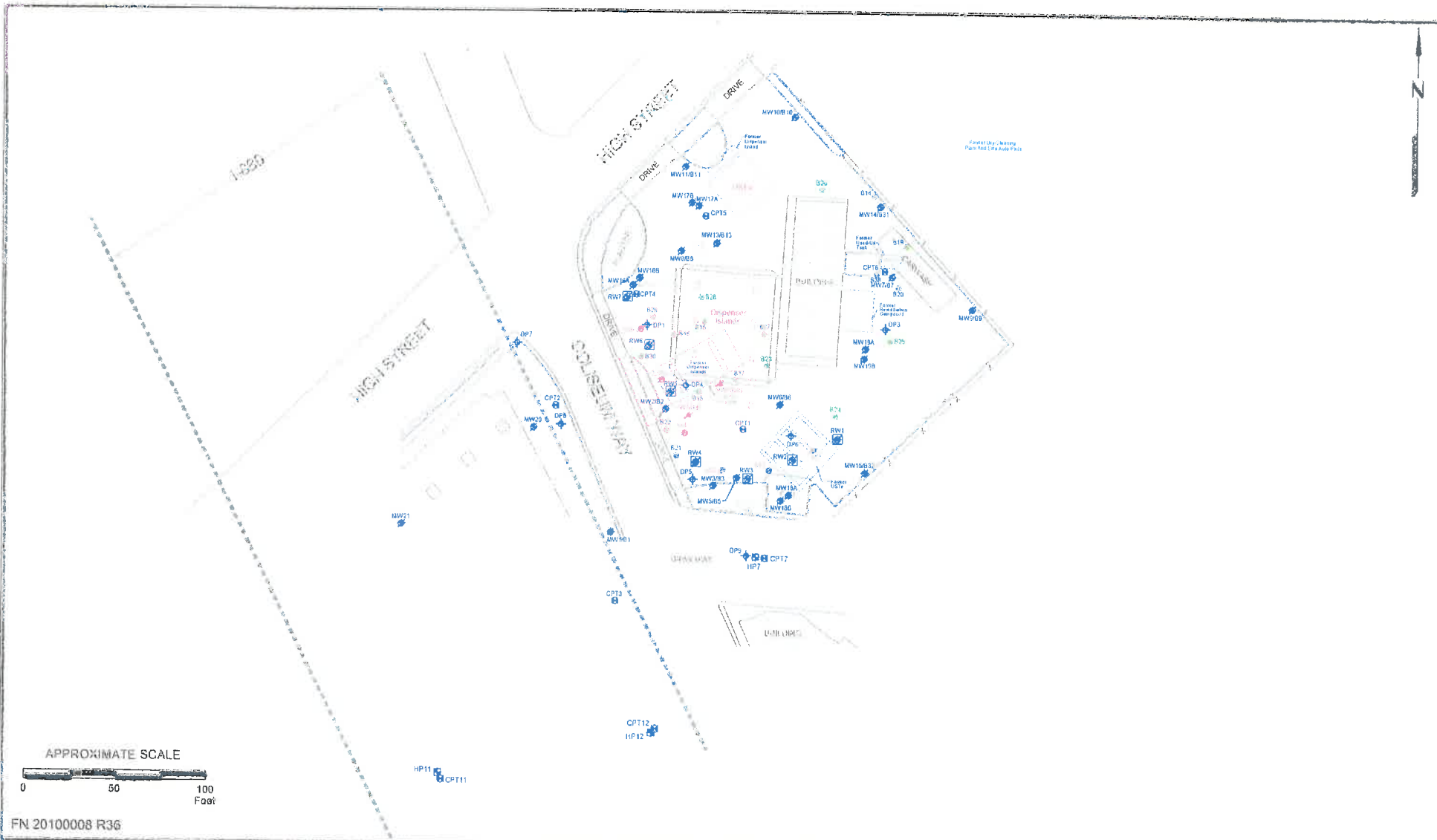
2. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor 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.

3. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.

4. 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.

Alameda County Public Works Agency - Water Resources Well Permit

5. Remove the Christy box or similar structure. Pressure Grout with Cement (Less than 30 ft in depth). After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
 6. 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.
 7. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
 8. 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.
 9. Any well that is less than 2 inches in diameter shall be drilled out to the total depth.
 10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
-



FN 20100008 R36



GENERALIZED SITE PLAN
 FORMER EXXON SERVICE STATION 73006
 720 High Street
 Oakland, California

EXPLANATION	
MW21	Destroyed Groundwater Monitoring Well
CPT7	Destroyed Recovery Well
CPT12	Destroyed Recovery Well
DP1	Destroyed Push Boring
CPT13	Climo Penetration Test Boring
HP12	Hydropunch Boring
B33	Soil Boring/Soil Sample

PROJECT NO.
2010

PLATE
2

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

Total depth of boring: 12-1/2 feet Diameter of boring: 8 inches Date drilled: 11-29-89

Casing diameter: N/A Length: N/A Slot size: N/A

Screen diameter: N/A Length: N/A Material type: N/A

Drilling Company: Kvilhaug Well Drilling, Inc. Driller: Rod and Mike

Method Used: Hollow-Stem Auger Field Geologist: Russell Bak

Signature of Registered Professional: _____

Registration No.: _____ State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt (3 inches) over base rock (6 inches).	
2				CL	Silty clay, dark brown, damp.	▽▽▽▽
4				CL	Clay, gray-brown, damp, medium plasticity.	▽▽▽▽
6	S-5	2 5 11	0.4	ML	Silt with trace sand and gravel, tan-brown, damp, low plasticity, stiff.	▽▽▽▽
8	S-7	9 13 14	1.4	SP	Silty sand, orange-tan, damp, very dense.	▽▽▽▽
10	S-10	7 14 10	192	GM	Sandy silty gravel, orange-tan with red-brown staining, moist, dense.	▽▽▽▽
12	S-12	7 20 21	69	▽ =	Wet.	▽▽▽▽
Total Depth = 12-1/2 feet.						



PROJECT NO. 87042-6

LOG OF BORING B - 19

Exxon Station No. 7-3006
720 High Street
Oakland, California

PLATE

C - 13

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id: 1448478048663
Site Location: 720 High St, Oakland, CA
Project Start Date: 12/31/2015
Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com
Extension Start Date: 01/15/2016
Extension Count: 1

City of Project Site: Oakland

Completion Date: 01/15/2016
Extension End Date: 01/22/2016
Extended By: jamesy

Applicant: Cardno - Scott Perkins **Phone:** 707-766-2000
 601 N McDowell Blvd, Petaluma, CA 94954
Property Owner: Mr. Mo Mashoon Mash Petroleum **Phone:** --
 428 13th St, 10th Flr., Oakland, CA 94612
Client: Exxon Jen Sedlachek **Phone:** 510-547-8196
 4096 Piedmont Ave, Oakland, CA 94611

	Total Due:	\$6617.00
Receipt Number: WR2015-0606	Total Amount Paid:	\$6617.00
Payer Name : Cardno	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells
 Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1095	12/16/2015	03/30/2016	MW12	10.00 in.	4.00 in.	0.00 ft	15.50 ft			
W2015-1096	12/16/2015	03/30/2016	MW14	10.00 in.	4.00 in.	0.00 ft	17.00 ft			
W2015-1097	12/16/2015	03/30/2016	MW16A	8.00 in.	2.00 in.	0.00 ft	12.50 ft			
W2015-1098	12/16/2015	03/30/2016	MW16B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1099	12/16/2015	03/30/2016	MW17A	8.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-1100	12/16/2015	03/30/2016	MW17B	8.00 in.	2.00 in.	0.00 ft	26.00 ft			
W2015-1101	12/16/2015	03/30/2016	MW18A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1102	12/16/2015	03/30/2016	MW18B	8.00 in.	2.00 in.	0.00 ft	21.00 ft			
W2015-1103	12/16/2015	03/30/2016	MW19A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1104	12/16/2015	03/30/2016	MW19B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1105	12/16/2015	03/30/2016	MW2	0.00 in.	4.00 in.	0.00 ft	36.00 ft			
W2015-1106	12/16/2015	03/30/2016	MW20	10.00 in.	2.00 in.	0.00 ft	15.50 ft			
W2015-1107	12/16/2015	03/30/2016	MW21	10.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-	12/16/2015	03/30/2016	MW3	0.00 in.	4.00 in.	0.00 ft	36.00 ft			

Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015- 12/16/2015 03/30/2016 MW4 0.00 in. 4.00 in. 0.00 ft 36.00 ft
1109

W2015- 12/16/2015 03/30/2016 MW6 0.00 in. 4.00 in. 0.00 ft 36.00 ft
1110

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8. Remove the Christy box or similar structure.

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.

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Alameda County Public Works Agency - Water Resources Well Permit

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11. Any well That is less than 2 inches in diameter shall be drilled out to the total depth.

Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

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 #
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W2015-1111	12/16/2015	03/30/2016	AS2	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS3	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS4	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS5	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS6	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW1	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW2	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW3	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW4	0.00 in.	6.00 in.	0.00 ft	0.00 ft			

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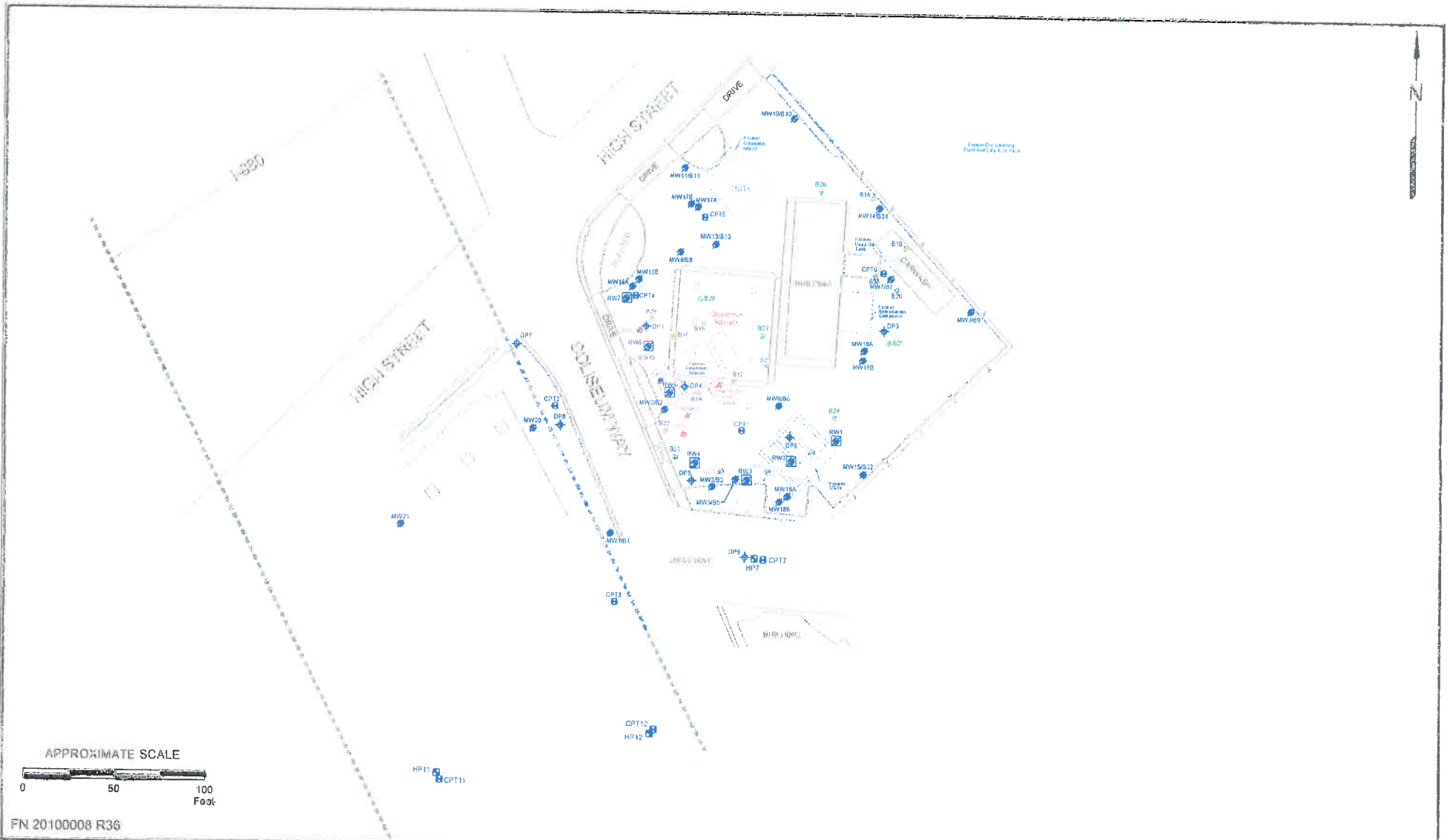
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Alameda County Public Works Agency - Water Resources Well Permit

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-



FN 20100008 R36

	<p align="center">GENERALIZED SITE PLAN</p> <p align="center">FORMER EXXON SERVICE STATION 73000 720 High Street Oakland, California</p>	<p>EXPLANATION</p> <ul style="list-style-type: none"> MW221 Destroyed Groundwater Monitoring Well RW1 Delayed Recovery Well DP1 Direct Push Boring CPT12 Cone Penetration Test Boring HP12 Hydrofracturing Boring W38 Soil Benzene Fuel Sample 	<p>PROJECT NO.</p> <p align="center">2010</p>
			<p>PLATE</p> <p align="center">2</p>

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

Total depth of boring: 12-1/2 feet Diameter of boring: 8 inches Date drilled: 11-29-89

Casing diameter: N/A Length: N/A Slot size: N/A

Screen diameter: N/A Length: N/A Material type: N/A

Drilling Company: Kvilhaug Well Drilling, Inc. Driller: Rod and Mike

Method Used: Hollow-Stem Auger Field Geologist: Russell Bak

Signature of Registered Professional: _____

Registration No.: _____ State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt (3 inches) over base rock (6 inches).	▽▽▽▽
2				CL	Silty clay, dark brown, damp.	▽▽▽▽
4		2		CL	Clay, gray-brown, damp, medium plasticity.	▽▽▽▽
6	S-5	5 11	0.4	ML	Silt with trace sand and gravel, tan-brown, damp, low plasticity, stiff.	▽▽▽▽
8	S-7	9 13 14	1.4	SP	Silty sand, orange-tan, damp, very dense.	▽▽▽▽
10	S-10	7 14 10	192	GM	Sandy silty gravel, orange-tan with red-brown staining, moist, dense.	▽▽▽▽
12	S-12	7 20 21	69	▽ =	Wet.	▽▽▽▽
Total Depth = 12-1/2 feet.						
14						
16						
18						
20						



PROJECT NO. 87042-6

LOG OF BORING B - 19

Exxon Station No. 7-3006
720 High Street
Oakland, California

PLATE

C - 13

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id: 1448478048663
Site Location: 720 High St, Oakland, CA
Project Start Date: 12/31/2015
Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com
Extension Start Date: 01/15/2016
Extension Count: 1

City of Project Site: Oakland

Completion Date: 01/15/2016
Extension End Date: 01/22/2016
Extended By: jamesy

Applicant: Cardno - Scott Perkins
601 N McDowell Blvd, Petaluma, CA 94954
Property Owner: Mr. Mo Mashoon Mash Petroleum
428 13th St, 10th Fl., Oakland, CA 94612
Client: Exxon Jen Sedlachek
4096 Piedmont Ave, Oakland, CA 94611

Phone: 707-766-2000

Phone: --

Phone: 510-547-8196

	Total Due:	\$6617.00
Receipt Number: WR2015-0606	Total Amount Paid:	\$6617.00
Payer Name : Cardno	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1095	12/16/2015	03/30/2016	MW12	10.00 in.	4.00 in.	0.00 ft	15.50 ft			
W2015-1096	12/16/2015	03/30/2016	MW14	10.00 in.	4.00 in.	0.00 ft	17.00 ft			
W2015-1097	12/16/2015	03/30/2016	MW16A	8.00 in.	2.00 in.	0.00 ft	12.50 ft			
W2015-1098	12/16/2015	03/30/2016	MW16B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1099	12/16/2015	03/30/2016	MW17A	8.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-1100	12/16/2015	03/30/2016	MW17B	8.00 in.	2.00 in.	0.00 ft	26.00 ft			
W2015-1101	12/16/2015	03/30/2016	MW18A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1102	12/16/2015	03/30/2016	MW18B	8.00 in.	2.00 in.	0.00 ft	21.00 ft			
W2015-1103	12/16/2015	03/30/2016	MW19A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1104	12/16/2015	03/30/2016	MW19B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1105	12/16/2015	03/30/2016	MW2	0.00 in.	4.00 in.	0.00 ft	36.00 ft			
W2015-1106	12/16/2015	03/30/2016	MW20	10.00 in.	2.00 in.	0.00 ft	15.50 ft			
W2015-1107	12/16/2015	03/30/2016	MW21	10.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-	12/16/2015	03/30/2016	MW3	0.00 in.	4.00 in.	0.00 ft	36.00 ft			

Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015-1109	12/16/2015	03/30/2016	MW4	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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W2015-1110	12/16/2015	03/30/2016	MW6	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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Specific Work Permit Conditions

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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 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 10 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 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.

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 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.

9. 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.

Alameda County Public Works Agency - Water Resources Well Permit

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11. Any well That is less than 2 inches in diameter shall be drilled out to the total depth.

Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

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 #
W2015-1111	12/16/2015	03/30/2016	AS1	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS2	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS3	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS4	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS5	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS6	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW1	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW2	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW3	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW4	0.00 in.	6.00 in.	0.00 ft	0.00 ft			

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2. 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.
3. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.
4. 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.

Alameda County Public Works Agency - Water Resources Well Permit

5. Remove the Christy box or similar structure. Pressure Grout with Cement (Less than 30 ft in depth). After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
 6. 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.
 7. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
 8. 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.
 9. Any well that is less than 2 inches in diameter shall be drilled out to the total depth.
 10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
-



APPROXIMATE SCALE
 0 50 100
 Feet

FN 20100008 R36

GENERALIZED SITE PLAN
 FORMER EXXON SERVICE STATION 73006
 720 High Street
 Oakland, California

EXPLANATION	
MW21	Destroyed Groundwater Monitoring Well
RW7	Destroyed Recovery Well
SB	Soil Boring
DP9	Direct Push Boring
CPT12	Cone Penetration Test Boring
HP12	Hyperpunch Boring
SB	Soil Boring/Soil Sampler

PROJECT NO.
 2010
PLATE
 2



CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED



Cardno
ERI

Shaping the Future

BORING LOG MW20

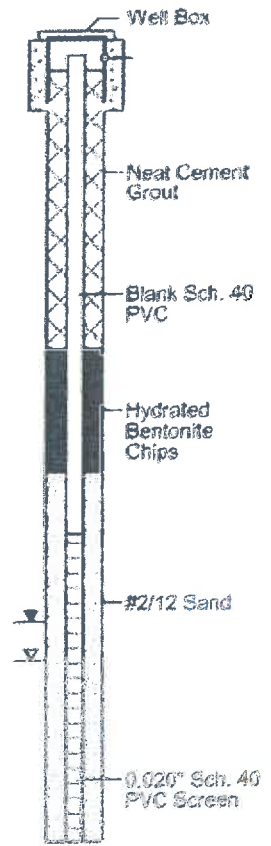
(Page 1 of 1)

Date Drilled : 05/09/2014
 Drilling Co. : Woodward Drilling
 Drilling Method : Hollow-Stem Auger
 Sampling Method : Direct-Push
 Borehole Diameter : 10"
 Casing Diameter : 2"
 Location N-S : -122.219887
 Location E-W : 37.7682114
 Total Depth : 13' bgs
 First GW Depth : 9.8' bgs

Project No. : Former Exxon Station Station 73006
 Site : 720 High Street, Oakland, California
 Logged By : Nadya M. Vicente
 Reviewed By : David R. Daniels, P.G. 8737
 Signature: *[Signature]*

Depth (ft)	Blow Count / 6"	OVM/PID (ppmv)	Sample	Column	USCS	Sample Condition	Water Levels
						<input checked="" type="checkbox"/> No Recovery <input type="checkbox"/> Sampled Interval <input type="checkbox"/> Described Sample <input checked="" type="checkbox"/> Preserved Sample	▼ After Completion: 9.17' bgs ▼ During Drilling: 9.8' bgs
DESCRIPTION							
0					SW	SAND with Gravel (FILL): dark brown, dry, fine-to coarse-grained, well graded, angular gravel up to 3" diameter, concrete debris and bricks (0, 0, 55, 45) Cleared to 8' bgs using hand tools.	
65.5					CL	Sandy CLAY: mottled black and green, damp, low plasticity, fine-grained sand (65, 0, 35, 0)	
148					CL	CLAY with Sand: green gray, damp, low plasticity, fine-to medium grained sand (85, 0, 15, 0)	
244					SC	Clayey SAND: green, damp, fine-to medium-grained, poorly graded (45, 0, 55, 0) yellow-brown mottling at 8' bgs	
347					SP	SAND: dark green, moist to wet, fine-to medium-grained, poorly graded (5, 0, 95, 0)	
536					SW-SC	SAND with Clay and Gravel: dark brown, wet, fine-to coarse-grained, well graded, gravel up to 1" diameter (5, 0, 75, 20)	
81							

Well: MW20
Elevation:



TD = 13 feet bgs on 05/09/14
Free Groundwater encountered at 9.8 feet bgs.

05/09/2014 10:48:00 AM C:\Users\mcc\Documents\Projects\050914\050914\Act\Boring\LOGS\050914 MW20 bor

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id: 1448478048663
Site Location: 720 High St, Oakland, CA
Project Start Date: 12/31/2015
Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com
Extension Start Date: 01/15/2016
Extension Count: 1

City of Project Site: Oakland

Completion Date: 01/15/2016
Extension End Date: 01/22/2016
Extended By: jamesy

Applicant: Cardno - Scott Perkins
601 N McDowell Blvd, Petaluma, CA 94954
Property Owner: Mr. Mo Mashoon Mash Petroleum
428 13th St, 10th Fl., Oakland, CA 94612
Client: Exxon Jen Sedlachek
4096 Piedmont Ave, Oakland, CA 94611

Phone: 707-766-2000

Phone: --

Phone: 510-547-8196

Total Due: \$6617.00
Total Amount Paid: \$6617.00
PAID IN FULL

Receipt Number: WR2015-0606
Payer Name : Cardno Paid By: CHECK

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1095	12/16/2015	03/30/2016	MW12	10.00 in.	4.00 in.	0.00 ft	15.50 ft			
W2015-1096	12/16/2015	03/30/2016	MW14	10.00 in.	4.00 in.	0.00 ft	17.00 ft			
W2015-1097	12/16/2015	03/30/2016	MW16A	8.00 in.	2.00 in.	0.00 ft	12.50 ft			
W2015-1098	12/16/2015	03/30/2016	MW16B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1099	12/16/2015	03/30/2016	MW17A	8.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-1100	12/16/2015	03/30/2016	MW17B	8.00 in.	2.00 in.	0.00 ft	26.00 ft			
W2015-1101	12/16/2015	03/30/2016	MW18A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1102	12/16/2015	03/30/2016	MW18B	8.00 in.	2.00 in.	0.00 ft	21.00 ft			
W2015-1103	12/16/2015	03/30/2016	MW19A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1104	12/16/2015	03/30/2016	MW19B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1105	12/16/2015	03/30/2016	MW2	0.00 in.	4.00 in.	0.00 ft	36.00 ft			
W2015-1106	12/16/2015	03/30/2016	MW20	10.00 in.	2.00 in.	0.00 ft	15.50 ft			
W2015-1107	12/16/2015	03/30/2016	MW21	10.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-	12/16/2015	03/30/2016	MW3	0.00 in.	4.00 in.	0.00 ft	36.00 ft			

Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015-1109	12/16/2015	03/30/2016	MW4	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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1109

W2015-1110	12/16/2015	03/30/2016	MW6	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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1110

Specific Work Permit Conditions

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8. Remove the Christy box or similar structure.

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.

9. 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.

Alameda County Public Works Agency - Water Resources Well Permit

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Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

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 #
W2015-1111	12/16/2015	03/30/2016	AS1	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
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W2015-1111	12/16/2015	03/30/2016	AS5	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS6	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW1	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW2	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW3	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW4	0.00 in.	6.00 in.	0.00 ft	0.00 ft			

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Alameda County Public Works Agency - Water Resources Well Permit

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STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION
ENCROACHMENT PERMIT

TR-0120 (REV 6/2012)

Permit No. 0415-6MW 2045	
Dist/Co/Rte/PM 04-ALA-880 27.9	
DATE October 23, 2015	
Fee Paid \$ 492.00	Deposit \$
Performance Bond Amount \$	Payment Bond Amount \$
Bond Company	
Bond Number (1)	Bond Number (2)

In compliance with (Check one):

- Your application of September 28, 2015
- Utility Notice No. _____ of _____
- Agreement No. _____ of _____
- R/W Contract No. _____ of _____

TO: Exxon Mobile Oil Corporation
 601 N. McDowell Blvd.
 Petaluma, CA 94954

Attn: David S. Wright.
 c/o Mr. Scott Perkins, Cardno

Phone: (714) 968-7214 , PERMITTEE

and subject to the following, PERMISSION IS HEREBY GRANTED to:

Decommission monitoring wells, MW-20 and MW 21, near the Service Station (73006) 720 High Street, as required by the Alameda County Health Care Service Agency, Department of Environmental Health; located on local streets at Coliseum Way and at High Street Undercrossing behind the sidewalk area, on State Highway 04-ALA-880, Post Mile 27.9, in the City of Oakland.

A minimum of one week before the start of work under this permit, a notice must be given to and advance approval of construction detail, operations, public safety, and traffic control must be obtained from State Representative Sunny Mantravadi, 600 Lewelling Blvd., San Leandro, CA 94579, Surya.N.Mantravadi@dot.ca.gov or (510) 614-5951, weekdays between 7:30 AM and 4:00 PM, except holidays.

All permitted work requires the Permittee to apply for and obtain a work authorization number prior to start of work. See the attached "Encroachment Permit Project Work Scheduling Procedures" and the attached "Permit Project Work Scheduling Request Form". Additional time beyond the minimum seven days advanced notice required in the above paragraph may be required for obtaining the traffic control approval.

THIS PERMIT IS NOT A PROPERTY RIGHT AND DOES NOT TRANSFER WITH THE PROPERTY TO A NEW OWNER.

The following attachments are also included as part of this permit (Check applicable):

- Yes No General Provisions (TR-0045)
- Yes No Utility & Tree Trimming Provisions (03/2013)
- Yes No Storm Water Special Provisions (TR-0400)
- Yes No A Cal-OSHA permit, if required: Permit No.
- Yes No As-Built Plans Submittal Route Slip for Locally Advertised Projects
- Yes No Storm Water Pollution Prevention Plan

In addition to fee, the permittee will be billed actual costs for:

- Yes No Review
- Yes No Inspection
- Yes ----- Field Work

(If any Caltrans effort expended)

Yes No The information in the environmental documentation has been reviewed and considered prior to approval of this permit.

This permit is void unless the work is completed before October 31, 2016

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized. No project work shall be commenced until all other necessary permits and environmental clearances have been obtained.

DC
 CC: Field: S. Mantravadi
 Maint: B. Kimball
 DTM: Mitch Tirado
 TMC: J. Richardson D4TMC/D04/Caltrans/CAGov
 Local: City of Oakland
 Related Permit: 0415-65V 0204 (Bond)

APPROVED:
BIJAN SARTIPI, District Director, District 4
 BY: *Rakesh Oberoi*
DAVID SALLADAY, District Permit Engineer

ADA Notice For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 654-6410 or TDD (916) 654-3880 or write Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.

ADDITIONAL GENERAL SPECIAL PROVISIONS:

All the Permittee's personnel must wear appropriate and approved personal protective equipment per Chapter 12 of Caltrans "Safety Manual" (available at http://www.dot.ca.gov/hq/opo/safety/safetymanual/Chap_12-Sept2012.pdf), including hard hats and bright-colored vests, shirts or jackets with retro-reflective material, while on State right-of-way.

Caltrans is not subscribed to Underground Services Alert (USA). Caltrans may have existing electrical, signal and communication facilities within 9' from the surface. Permittee shall identify all existing underground facilities prior to perform trenching or boring and also repair/replace any damaged Caltrans facility due to their operation.

All utility work must comply with the attached "Encroachment Permits Utility and Tree Trimming Special Provisions" (Rev. 03/2013) (available at <http://www.dot.ca.gov/hq/traffops/developserv/permits/>), which includes "Encroachment Permit General Provisions" (TR-0049, Rev. 05/2007).

All work must comply with the attached "Storm Water Special Provisions for Minimal or No Impact" (TR-0400, Rev. 09/2012) (available at <http://www.dot.ca.gov/hq/traffops/developserv/permits/>), in addition to Water Pollution Control Program (WPCP), if any.

All work must comply with the attached "Encroachment Permit General Provisions" (TR-0049, Rev. 05/2007) (available at <http://www.dot.ca.gov/hq/traffops/developserv/permits/>).

Streets and highways in the San Francisco Bay Area contain a significant number of existing underground utilities. This includes traffic signal conduits that are installed 9 inches or less in depth. Permittee is responsible for necessary site investigations for identification of the location and depth of existing underground facilities prior to excavation (e.g. pothole or hand-dig) to avoid damage or disruption in services.

Certain details of work authorized hereby are shown on Permittee's plan submitted with request for permit, and all work within State Right-of-Way shall conform to current State Standard Plans and Specifications.

The Permittee or the Contractor shall notify the State representative and submit an Encroachment Permit Work Scheduling Request Form 7 days prior to the scheduled work activities.

Before any work is begun which will interrupt the normal flow of public traffic, approval shall be obtained from State representative.

No vehicle or equipment shall be stored overnight within the right-of-way; it shall be removed immediately at the completion of the project.

Permittee shall be responsible for the collection and removal of trash or garbage generated by these construction activities.

Any damage to existing State's facilities shall be repaired or replaced in kind by the Permittee at Permittee's expense.

Suitable barricades, signs and lights, as approved by State representative, to warn and protect traffic effectively shall enclose the site of the work.

No ingress or egress from the freeway to the worksite is permitted. Access to the work site for construction and any future maintenance activities shall be performed on local road.

Permittee shall provide safe pedestrian and bicycle passage around construction area.

Pedestrians should be provided with a reasonably safe, convenient, and accessible path that replicates as nearly as practical the most desirable characteristics of the existing sidewalk. Requiring pedestrians to cross at another intersection, as shown in Figure 6H-29 of the California Manual on Uniform Traffic Control Devices, has the potential to add significant delays for pedestrians, requiring out-of-direction travel. Instead, provide a pedestrian diversion directly around the work areas that does not involve crossing the roadway, using cane-detectable, continuous barriers if the pedestrian diversion is within the roadway. See page 6 in the Temporary Pedestrian Facilities Handbook for guidance on barriers: <
http://www.dot.ca.gov/hq/construc/safety/Temporary_Pedestrian_Facilities_Handbook.pdf>.

When the bike lane is closed, "Share the Road" sign must be posted.

If steel plates are used in bike lane/travel-way, "Steel Plate Ahead," (W8-24) sign must be posted.

Any future relocation of this facility for highway maintenance or construction shall be at the Permittee's expense. Section 703 of the Streets and Highway Code shall not apply.

When operations are conducted, the Permittee must furnish, place, and maintain signs and safety equipment per Part 2, Signs, and Part 6, Temporary Traffic Control, of the "California Manual on Uniform Traffic Control Devices" (CAMUTCD, available at <http://www.dot.ca.gov/hq/traffops/engineering/mutcd/>).

When approved, the traffic control performed under this permit shall be in accordance the appropriate State Standard 2010, Plans RSP 10, and RSP T11. For shoulder closure see RSP 10. Where required by the plan, the use of flashing arrow board is MANDATORY. Use of flagman is required.

Shoulder and /or parking (if applicable) may be restricted while work is actively in progress.

Provide one 12' minimum width thru traffic lane in direction of work within State Right-of-Way, to accommodate all traffic movements, on High Street, Monday-Friday between 10:00 PM -- 5:00 AM. No lane closure permitted any other time. Holidays excluded.

Permittee must provide and maintain adequate lane closure.

Parking restrictions signs shall be obtained from the City of Oakland.

Permittee and the Contractor shall check with the City of Oakland within their jurisdiction for conflict in closure schedule, and cooperate and coordinate with all other construction work activities in that vicinity.

If an accident or other incident (related to or not related to the permitted activity) occurs within, or close to the permitted activity, the Permittee shall immediately stop work and remove traffic controls from the highway unless public health, welfare and safety is endangered by unfinished work. Only traffic control to protect open excavations may remain in place. After free traffic flow is restored, work in accordance with the conditions of the permit may be resumed.

Permittee is responsible to remove or cover temporary information or guide road sign if there are no construction activities.

Any damage to existing facilities, landscaping or irrigation within the State Right-of-Way shall be replaced in kind by the Permittee at Permittee's expense. Any damaged concrete sidewalk shall be replaced from score-line to score-line and shall be ADA Compliant.

Residue from saw cutting, coring and grinding operation shall be picked up by vacuum device. Residue shall not be allowed to flow across the pavement and shall not be left on the surface of the pavement.

Vacuumed slurry residue shall be disposed in accordance with, "Solid Waste Management" and "Storm Water Special Provisions for Minimal or No Impact."

Permittee shall remove and dispose of all drilled spoils outside of State Right-of-Way. Permittee shall provide records of all the sites of disposal facilities to State representative.

Where there are potential Caltrans electrical facilities (lighting, signal, metering, etc) exist on the project site and not shown on the plans, the Permittee shall be responsible to resolve any conflicts and changes during construction. The Permittee shall incur any additional cost when there are changes to the original plans.

The Permittee is responsible for any contaminated material and/or groundwater, which are generated due to excavation under this permit. The Permittee shall also adhere to all current rules and regulations which may apply for the containment, disposal and/or clean-up of any contaminated material and/or groundwater which is excavated.

Permitter reserves the right to impose any additional requirements or conditions, including considerations, for the use of its right of way, if such requirements or conditions are allowed by future legislation, administrative determination, and/or court decisions.

In case of conflict, permit requirement shall govern over existing Plans, Specifications & Estimates.

In addition to the above conditions, Permittee understand and acknowledges that the conditions, limitations, restrictions and reservation for access to state-owned highway right of way for telecommunications and information technologies, including consideration and means of access, are subject to current and ongoing Department and/or legislative review, and this permit may be revoked, made subject to different conditions, limitations, restrictions and reservations, or converted to license, lease or other form of agreement, upon reasonable notice.

Permittee understands and agrees that it will comply with the obligations of Titles II and III of the Americans with Disabilities Act of 1990 in the conduct of the event, and further agrees to indemnify and save harmless the State of California, all officers and employees thereof, including but not limited to the Director of Transportation, from any claims or liability arising out of or by virtue of said act.

No party other than the Permittee or Permittee's authorized agent is allowed to work under this permit.

A copy of this permit and local permit, complete with all attachments, shall be kept by Permittee/Contractor working under this permit and must be shown to the State representatives, or Law Enforcement Officer, on demand.

Permittee shall be billed for any additional inspection cost at the current Caltrans standard hourly rate of \$82.00 per hour.

Permittee shall be responsible for full compliance with the Caltrans Storm Water Program and the Caltrans NPDES permit requirements. Please see the Storm Water Special Provisions attached to this Permit.

Any work involving bona-fide emergency repair on Permittee's facilities shall be initiated with Caltrans District 4 Communications center at (510) 286-6359 to obtain an appropriate lane closure or work authorization number. Emergencies are defined as those conditions that require immediate action to prevent property damage, loss of service, or life-safety risks.

The monitoring well must be abandoned in compliance with the requirements of the Department of Water Resources Publication, "Water Well Standards: State of California" (DWR Bulletin 74-81, available at <http://www.water.ca.gov/groundwater/>).

Permittee shall refer to State's 2010 Standard Specifications and 2010 Standard Plans.

Permittee shall be responsible for any liability issue due to the proposed improvements within State Right-of-Way.

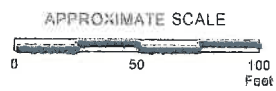
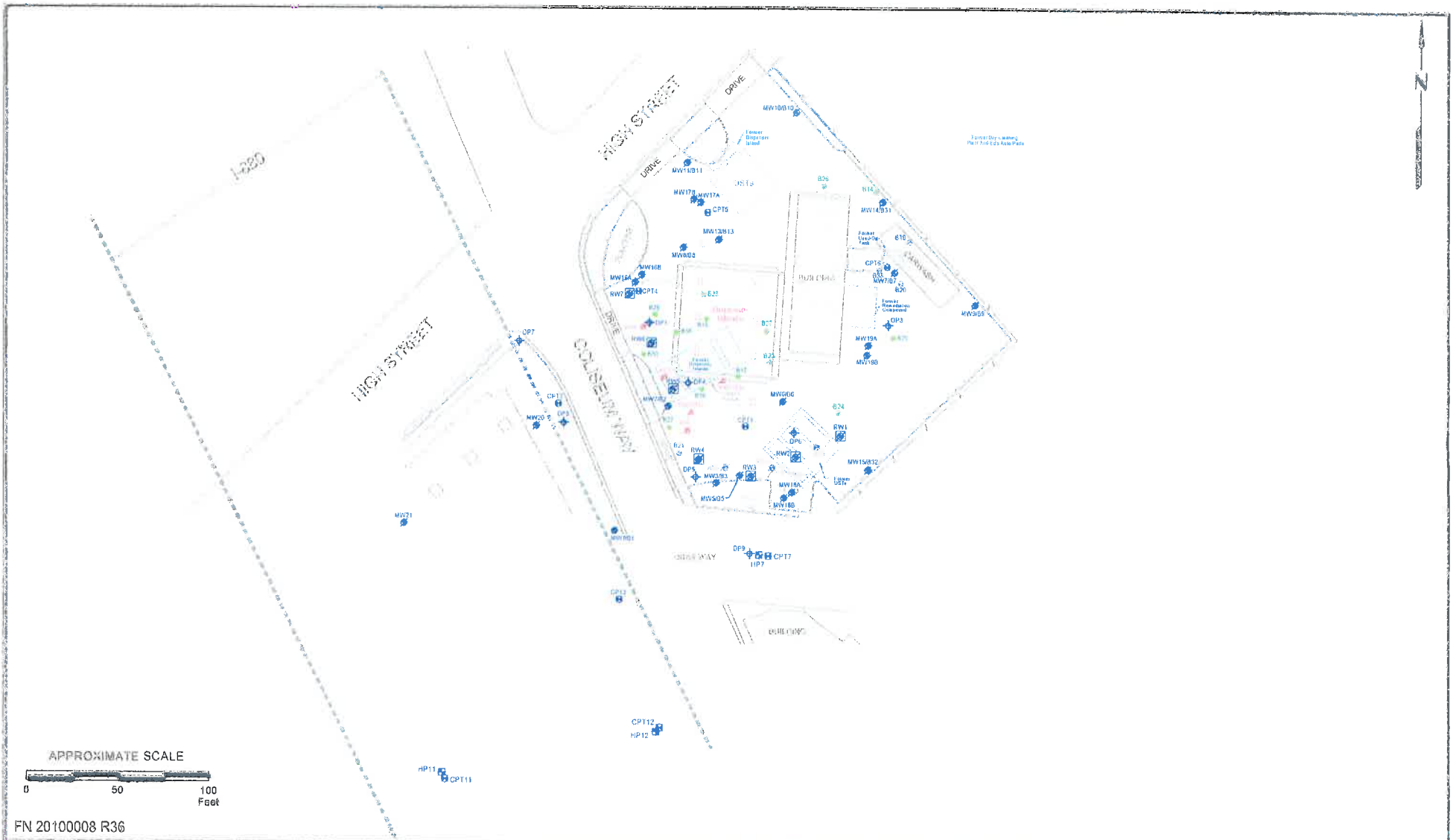
Permittee shall make an effort in controlling construction noise pollution within the local City ordinance.

California Endangered Species Act must be adhered to the law, regulations and policies in the provisions, <http://www.dfg.ca.gov/habcon/cesa/>.

Migratory Bird Treaty Act must be adhered to the law, regulations and policies in the provisions, <http://www.fws.gov/migratorybirds/RegulationsandPolicies.html> ; no work shall be allowed during bird nesting and the nesting area must not be disturbed and shall be protected.

Changes to the Plans, Specifications, and Permit Provisions are not allowed without prior approval from the State representative.

Immediately following completion of the work permitted herein, the Permittee shall fill out and mail the Notice of Completion attached to this permit.



FN 20100008 R36

	<p>GENERALIZED SITE PLAN FORMER EXXON SERVICE STATION 73006 720 High Street Oakland, California</p>	<p>EXPLANATION</p> <ul style="list-style-type: none"> MW21 Destroyed Groundwater Monitoring Well RW2 Destroyed Recovery Well DP8 Direct Push Boring CPT12 Cone Penetration Test Boring HP12 Hydropunch Boring SSS Soil Boring/Soil Sample 	<p>PROJECT NO. 2010</p> <hr/> <p>PLATE 2</p>
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CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED



BORING LOG MW21

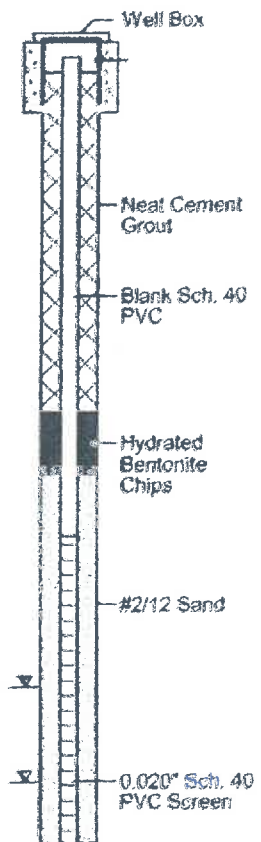
(Page 1 of 1)

Date Drilled: : 05/09/2014
 Drilling Co.: : Woodward Drilling
 Drilling Method: : Hollow-Stem Auger
 Sampling Method: : Direct-Push
 Borehole Diameter: : 10"
 Casing Diameter: : 2"
 Location N-S : -122.2201404
 Location E-W : 37.7690623
 Total Depth: : 13' bgs
 First GW Depth: : 11.75' bgs

Project No.: : Former Exxon Station Station 73006
 Site: : 720 High Street, Oakland, California
 Logged By: : Nadya M. Vicente
 Reviewed By: : David R. Daniels / P.G. 8737
 Signature:

Depth (ft)	Blow Count / 6"	DVM/PI/D (ppmv)	Sample	Column	USCS	Sample Condition	Water Levels
						<input checked="" type="checkbox"/> No Recovery <input type="checkbox"/> Sampled Interval <input type="checkbox"/> Described Sample <input checked="" type="checkbox"/> Preserved Sample	After Completion: 10.20' bgs During Drilling: 11.75' bgs
DESCRIPTION							
0						2" Wood chips/Mulch. Cleared to 5' bgs using hand tools.	
0.7					SW	SAND with Gravel (FILL): dark brown, dry, fine-to coarse-grained, well graded, angular gravel up to 4" diameter, concrete debris and bricks (0, 0, 55, 45)	
3.3					CL	CLAY with Sand: yellow gray, damp, low plasticity, fine-grained sand (80, 0, 20, 0)	
2.5					CL	SAND with Gravel (FILL): dark brown, dry, fine-to coarse-grained, well graded, angular gravel up to 4" diameter, concrete debris and bricks (0, 0, 55, 45)	
2.1					ML	Sandy CLAY: black with some green, green, dry, stiff, low plasticity, fine-to coarse-grained sand (65, 0, 35, 0)	
2.5					CL	SILT: dark gray, damp, very fine-grained sand, medium plasticity (0, 90, 10, 0)	
1.1					CL	CLAY with Sand: mottled black and green, dry to damp, low plasticity, fine sand (85, 0, 15, 0)	
1.1					CL	Sandy CLAY: light gray green, damp, low plasticity, fine-grained (60, 0, 40, 0)	
13.5					SC	slight dark yellow brown mottled at 7' bgs Clayey SAND: green, damp, fine-to medium-grained, poorly graded (45, 0, 55, 0)	
6.03					SW-SC	SAND with Clay and Gravel: mottled green and yellow brown, damp, fine-to coarse-grained, well graded, gravel up to 0.75" diameter (10, 0, 70, 20) Moist @ 11.75' bgs	
6.0					SC	Clayey SAND: dark green, moist, fine-grained, poorly graded (40, 0, 60, 0)	

Well: MW21
 Elevation:



TD = 13 feet bgs on 05/09/14
 Groundwater encountered at 11.75 feet bgs.

C:\Users\mcs01\data-set\EXXON\CBIL\Exxon\Bil\Projects\022010G_132006\Oakland\2010_AutoCAD\BORINGS_LOGS\2010_MW21.bor

Alameda County Public Works Agency - Water Resources Well Permit



Public Works Agency
Alameda County

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

Application Approved on: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id: 1448478048663
Site Location: 720 High St, Oakland, CA
Project Start Date: 12/31/2015
Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com
Extension Start Date: 01/15/2016
Extension Count: 1

City of Project Site: Oakland

Completion Date: 01/15/2016
Extension End Date: 01/22/2016
Extended By: jamesy

Applicant: Cardno - Scott Perkins
601 N McDowell Blvd, Petaluma, CA 94954
Property Owner: Mr. Mo Mashoon Mash Petroleum
428 13th St, 10th Flr., Oakland, CA 94612
Client: Exxon Jen Sedlachek
4096 Piedmont Ave, Oakland, CA 94611

Phone: 707-766-2000

Phone: --

Phone: 510-547-8196

	Total Due:	\$6617.00
Receipt Number: WR2015-0606	Total Amount Paid:	\$6617.00
Payer Name : Cardno	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1095	12/16/2015	03/30/2016	MW12	10.00 in.	4.00 in.	0.00 ft	15.50 ft			
W2015-1096	12/16/2015	03/30/2016	MW14	10.00 in.	4.00 in.	0.00 ft	17.00 ft			
W2015-1097	12/16/2015	03/30/2016	MW16A	8.00 in.	2.00 in.	0.00 ft	12.50 ft			
W2015-1098	12/16/2015	03/30/2016	MW16B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1099	12/16/2015	03/30/2016	MW17A	8.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-1100	12/16/2015	03/30/2016	MW17B	8.00 in.	2.00 in.	0.00 ft	26.00 ft			
W2015-1101	12/16/2015	03/30/2016	MW18A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1102	12/16/2015	03/30/2016	MW18B	8.00 in.	2.00 in.	0.00 ft	21.00 ft			
W2015-1103	12/16/2015	03/30/2016	MW19A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1104	12/16/2015	03/30/2016	MW19B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1105	12/16/2015	03/30/2016	MW2	0.00 in.	4.00 in.	0.00 ft	36.00 ft			
W2015-1106	12/16/2015	03/30/2016	MW20	10.00 in.	2.00 in.	0.00 ft	15.50 ft			
W2015-1107	12/16/2015	03/30/2016	MW21	10.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-	12/16/2015	03/30/2016	MW3	0.00 in.	4.00 in.	0.00 ft	36.00 ft			

Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015-1109	12/16/2015	03/30/2016	MW4	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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1109

W2015-1110	12/16/2015	03/30/2016	MW6	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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1110

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 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 10 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 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.

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 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.

9. 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.

Alameda County Public Works Agency - Water Resources Well Permit

10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

11. Any well That is less than 2 inches in diameter shall be drilled out to the total depth.

Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

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 #
W2015-1111	12/16/2015	03/30/2016	AS1	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS2	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS3	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS4	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS5	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS6	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW1	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW2	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW3	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW4	0.00 in.	6.00 in.	0.00 ft	0.00 ft			

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 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.

3. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.

4. 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.

Alameda County Public Works Agency - Water Resources Well Permit

5. Remove the Christy box or similar structure. Pressure Grout with Cement (Less than 30 ft in depth). After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
 6. 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.
 7. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
 8. 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.
 9. Any well that is less than 2 inches in diameter shall be drilled out to the total depth.
 10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
-

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION
ENCROACHMENT PERMIT

TR-0129 (REV 6/2012)

Permit No
0415-6MW 2045

Dist/Co/Rte/PM
04-ALA-880 27.9

In compliance with (Check one):

- Your application of September 28, 2015
- Utility Notice No. _____ of _____
- Agreement No. _____ of _____
- R/W Contract No. _____ of _____

DATE
October 23, 2015

Fee Paid \$ 492.00	Deposit \$
-----------------------	---------------

Performance Bond Amount \$	Payment Bond Amount \$
-------------------------------	---------------------------

Bond Company

Bond Number (1)	Bond Number (2)
-----------------	-----------------

TO: Exxon Mobile Oil Corporation
 601 N. McDowell Blvd.
 Petaluma, CA 94954

Attn: David S. Wright.
 c/o Mr. Scott Perkins, Cardno

Phone: (714) 968-7214 PERMITTEE

and subject to the following, PERMISSION IS HEREBY GRANTED to:

Decommission monitoring wells, MW-20 and MW 21, near the Service Station (73006) 720 High Street, as required by the Alameda County Health Care Service Agency, Department of Environmental Health; located on local streets at Coliseum Way and at High Street Undercrossing behind the sidewalk area, on State Highway 04-ALA-880, Post Mile 27.9, in the City of Oakland.

A minimum of one week before the start of work under this permit, a notice must be given to and advance approval of construction detail, operations, public safety, and traffic control must be obtained from State Representative Sunny Mantravadi, 600 Lewelling Blvd., San Leandro, CA 94579, Surya.N.Mantravadi@dot.ca.gov or (510) 614-5951, weekdays between 7:30 AM and 4:00 PM, except holidays.

All permitted work requires the Permittee to apply for and obtain a work authorization number prior to start of work. See the attached "Encroachment Permit Project Work Scheduling Procedures" and the attached "Permit Project Work Scheduling Request Form". Additional time beyond the minimum seven days advanced notice required in the above paragraph may be required for obtaining the traffic control approval.

THIS PERMIT IS NOT A PROPERTY RIGHT AND DOES NOT TRANSFER WITH THE PROPERTY TO A NEW OWNER.

The following attachments are also included as part of this permit (Check applicable):

- | | | |
|---|--|---|
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | General Provisions (TR-0045) |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Utility & Tree Trimming Provisions (93/2013) |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Storm Water Special Provisions (TR-0490) |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | A Cal-OSHA permit, if required: Permit No. |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | As-Built Plans Submittal Route Slip for Locally Advertised Projects |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | Storm Water Pollution Prevention Plan |

In addition to fee, the permittee will be billed actual costs for:

- | | | |
|---|--|------------|
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | Review |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Inspection |
| <input type="checkbox"/> Yes | ----- | Field Work |

(If any Caltrans effort expended)

Yes No The information in the environmental documentation has been reviewed and considered prior to approval of this permit.

This permit is void unless the work is completed before October 31, 2016

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized. No project work shall be commenced until all other necessary permits and environmental clearances have been obtained.

DC
 CC: Field: S. Mantravadi
 Maint: B. Kimball
 DTM: Mitch Tirado
 TMC: J. Richardson D4TMC/D04/Caltrans/CAGov
 Local: City of Oakland
 Related Permit: 0415-6SY 0204 (Bond)

APPROVED:

BLIAN SARTIPI, District Director, District 4

BY: *Rakesh Oberoi*
DAVID SALLADAY, District Permit Engineer

ADA Notice

For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 654-6410 or TDD (916) 654-3880 or write Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.

ADDITIONAL GENERAL SPECIAL PROVISIONS:

All the Permittee's personnel must wear appropriate and approved personal protective equipment per Chapter 12 of Caltrans "Safety Manual" (available at http://www.dot.ca.gov/hq/opo/safety/safetymanual/Chap_12-Sept2012.pdf), including hard hats and bright-colored vests, shirts or jackets with retro-reflective material, while on State right-of-way.

Caltrans is not subscribed to Underground Services Alert (USA). Caltrans may have existing electrical, signal and communication facilities within 9" from the surface. Permittee shall identify all existing underground facilities prior to perform trenching or boring and also repair/replace any damaged Caltrans facility due to their operation.

All utility work must comply with the attached "Encroachment Permits Utility and Tree Trimming Special Provisions" (Rev. 03/2013) (available at <http://www.dot.ca.gov/hq/traffops/developserv/permits/>), which includes "Encroachment Permit General Provisions" (TR-0049, Rev. 05/2007).

All work must comply with the attached "Storm Water Special Provisions for Minimal or No Impact" (TR-0400, Rev. 09/2012) (available at <http://www.dot.ca.gov/hq/traffops/developserv/permits/>), in addition to Water Pollution Control Program (WPCP), if any.

All work must comply with the attached "Encroachment Permit General Provisions" (TR-0049, Rev. 05/2007) (available at <http://www.dot.ca.gov/hq/traffops/developserv/permits/>).

Streets and highways in the San Francisco Bay Area contain a significant number of existing underground utilities. This includes traffic signal conduits that are installed 9 inches or less in depth. Permittee is responsible for necessary site investigations for identification of the location and depth of existing underground facilities prior to excavation (e.g. pothole or hand-dig) to avoid damage or disruption in services.

Certain details of work authorized hereby are shown on Permittee's plan submitted with request for permit, and all work within State Right-of-Way shall conform to current State Standard Plans and Specifications.

The Permittee or the Contractor shall notify the State representative and submit an Encroachment Permit Work Scheduling Request Form 7days prior to the scheduled work activities.

Before any work is begun which will interrupt the normal flow of public traffic, approval shall be obtained from State representative.

No vehicle or equipment shall be stored overnight within the right-of-way; it shall be removed immediately at the completion of the project.

Permittee shall be responsible for the collection and removal of trash or garbage generated by these construction activities.

Any damage to existing State's facilities shall be repaired or replaced in kind by the Permittee at Permittee's expense.

Suitable barricades, signs and lights, as approved by State representative, to warn and protect traffic effectively shall enclose the site of the work.

No ingress or egress from the freeway to the worksite is permitted. Access to the work site for construction and any future maintenance activities shall be performed on local road.

Permittee shall provide safe pedestrian and bicycle passage around construction area.

Pedestrians should be provided with a reasonably safe, convenient, and accessible path that replicates as nearly as practical the most desirable characteristics of the existing sidewalk. Requiring pedestrians to cross at another intersection, as shown in Figure 6H-29 of the California Manual on Uniform Traffic Control Devices, has the potential to add significant delays for pedestrians, requiring out-of-direction travel. Instead, provide a pedestrian diversion directly around the work areas that does not involve crossing the roadway, using cane-detectable, continuous barriers if the pedestrian diversion is within the roadway. See page 6 in the Temporary Pedestrian Facilities Handbook for guidance on barriers: <

http://www.dot.ca.gov/hq/construc/safety/Temporary_Pedestrian_Facilities_Handbook.pdf>.

When the bike lane is closed, "Share the Road" sign must be posted.

If steel plates are used in bike lane/travel-way, "Steel Plate Ahead," (W8-24) sign must be posted.

Any future relocation of this facility for highway maintenance or construction shall be at the Permittee's expense. Section 703 of the Streets and Highway Code shall not apply.

When operations are conducted, the Permittee must furnish, place, and maintain signs and safety equipment per Part 2, Signs, and Part 6, Temporary Traffic Control, of the "California Manual on Uniform Traffic Control Devices" (CAMUTCD, available at <http://www.dot.ca.gov/hq/traffops/engineering/mutcd/>).

When approved, the traffic control performed under this permit shall be in accordance the appropriate State Standard 2010, Plans RSP 10, and RSP T11. For shoulder closure see RSP 10. Where required by the plan, the use of flashing arrow board is MANDATORY. Use of flagman is required.

Shoulder and /or parking (if applicable) may be restricted while work is actively in progress.

Provide one 12' minimum width thru traffic lane in direction of work within State Right-of-Way, to accommodate all traffic movements, on High Street, Monday-Friday between 10:00 PM – 5:00 AM. No lane closure permitted any other time. Holidays excluded.

Permittee must provide and maintain adequate lane closure.

Parking restrictions signs shall be obtained from the City of Oakland.

Permittee and the Contractor shall check with the City of Oakland within their jurisdiction for conflict in closure schedule, and cooperate and coordinate with all other construction work activities in that vicinity.

If an accident or other incident (related to or not related to the permitted activity) occurs within, or close to the permitted activity, the Permittee shall immediately stop work and remove traffic controls from the highway unless public health, welfare and safety is endangered by unfinished work. Only traffic control to protect open excavations may remain in place. After free traffic flow is restored, work in accordance with the conditions of the permit may be resumed.

Permittee is responsible to remove or cover temporary information or guide road sign if there are no construction activities.

Any damage to existing facilities, landscaping or irrigation within the State Right-of-Way shall be replaced in kind by the Permittee at Permittee's expense. Any damaged concrete sidewalk shall be replaced from score-line to score-line and shall be ADA Compliant.

Residue from saw cutting, coring and grinding operation shall be picked up by vacuum device. Residue shall not be allowed to flow across the pavement and shall not be left on the surface of the pavement.

Vacuumed slurry residue shall be disposed in accordance with, "Solid Waste Management" and "Storm Water Special Provisions for Minimal or No Impact."

Permittee shall remove and dispose of all drilled spoils outside of State Right-of-Way. Permittee shall provide records of all the sites of disposal facilities to State representative.

Where there are potential Caltrans electrical facilities (lighting, signal, metering, etc) exist on the project site and not shown on the plans, the Permittee shall be responsible to resolve any conflicts and changes during construction. The Permittee shall incur any additional cost when there are changes to the original plans.

The Permittee is responsible for any contaminated material and/or groundwater, which are generated due to excavation under this permit. The Permittee shall also adhere to all current rules and regulations which may apply for the containment, disposal and/or clean-up of any contaminated material and/or groundwater which is excavated.

Permitter reserves the right to impose any additional requirements or conditions, including considerations, for the use of its right of way, if such requirements or conditions are allowed by future legislation, administrative determination, and/or court decisions.

In case of conflict, permit requirement shall govern over existing Plans, Specifications & Estimates.

In addition to the above conditions, Permittee understand and acknowledges that the conditions, limitations, restrictions and reservation for access to state-owned highway right of way for telecommunications and information technologies, including consideration and means of access, are subject to current and ongoing Department and/or legislative review, and this permit may be revoked, made subject to different conditions, limitations, restrictions and reservations, or converted to license, lease or other form of agreement, upon reasonable notice.

Permittee understands and agrees that it will comply with the obligations of Titles II and III of the Americans with Disabilities Act of 1990 in the conduct of the event, and further agrees to indemnify and save harmless the State of California, all officers and employees thereof, including but not limited to the Director of Transportation, from any claims or liability arising out of or by virtue of said act.

No party other than the Permittee or Permittee's authorized agent is allowed to work under this permit.

A copy of this permit and local permit, complete with all attachments, shall be kept by Permittee/Contractor working under this permit and must be shown to the State representatives, or Law Enforcement Officer, on demand.

Permittee shall be billed for any additional inspection cost at the current Caltrans standard hourly rate of \$82.00 per hour.

Permittee shall be responsible for full compliance with the Caltrans Storm Water Program and the Caltrans NPDES permit requirements. Please see the Storm Water Special Provisions attached to this Permit.

Any work involving bona-fide emergency repair on Permittee's facilities shall be initiated with Caltrans District 4 Communications center at (510) 286-6359 to obtain an appropriate lane closure or work authorization number. Emergencies are defined as those conditions that require immediate action to prevent property damage, loss of service, or life-safety risks.

The monitoring well must be abandoned in compliance with the requirements of the Department of Water Resources Publication, "Water Well Standards: State of California" (DWR Bulletin 74-81, available at <http://www.water.ca.gov/groundwater/>).

Permittee shall refer to State's 2010 Standard Specifications and 2010 Standard Plans.

Permittee shall be responsible for any liability issue due to the proposed improvements within State Right-of-Way.

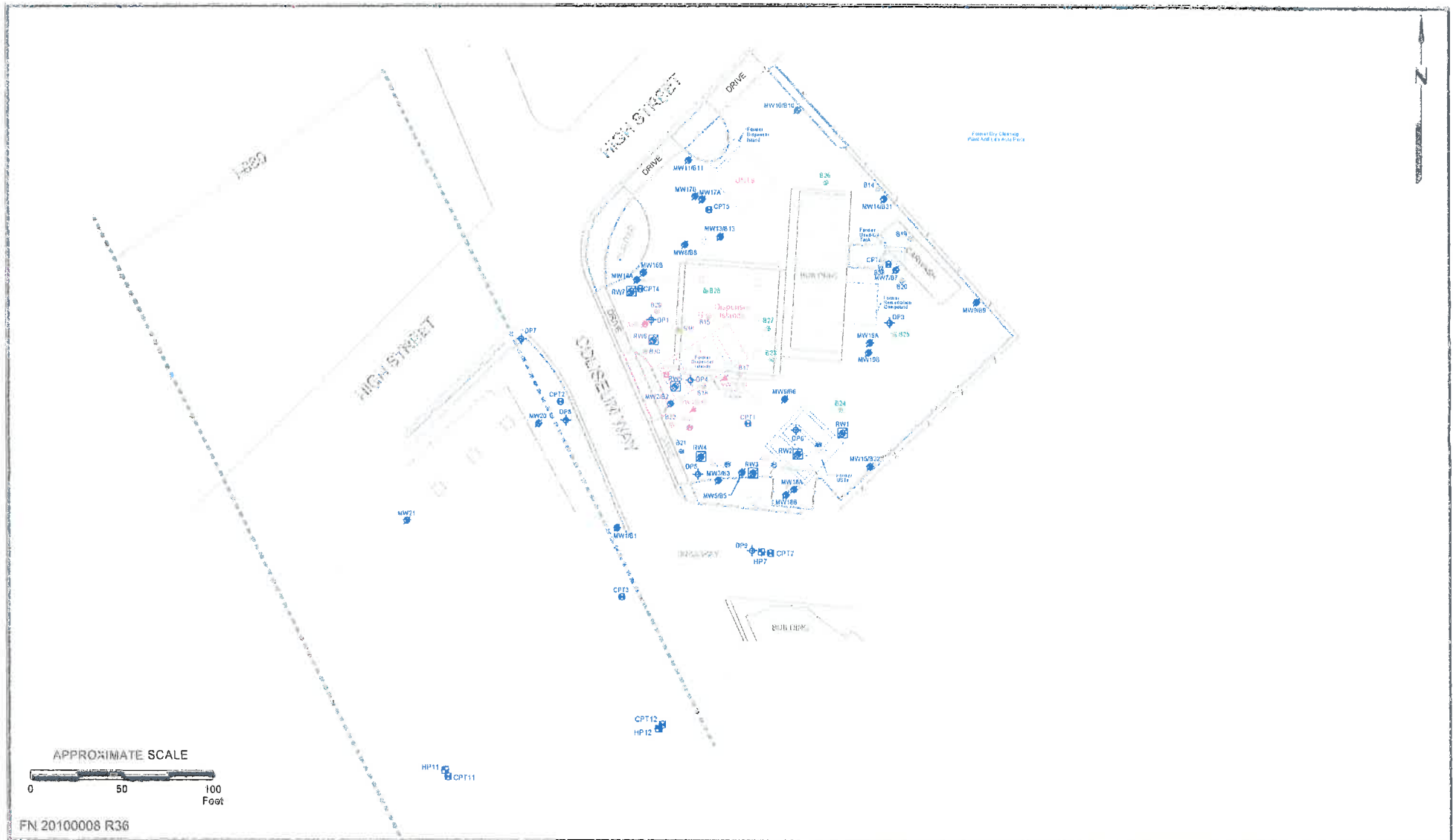
Permittee shall make an effort in controlling construction noise pollution within the local City ordinance.

California Endangered Species Act must be adhered to the law, regulations and policies in the provisions, <http://www.dfg.ca.gov/habcon/cesa/>.

Migratory Bird Treaty Act must be adhered to the law, regulations and policies in the provisions, <http://www.fws.gov/migratorybirds/RegulationsandPolicies.html> ; no work shall be allowed during bird nesting and the nesting area must not be disturbed and shall be protected.

Changes to the Plans, Specifications, and Permit Provisions are not allowed without prior approval from the State representative.

Immediately following completion of the work permitted herein, the Permittee shall fill out and mail the Notice of Completion attached to this permit.



FN 20100008 R36



GENERALIZED SITE PLAN
 FORMER EXXON SERVICE STATION 73006
 720 High Street
 Oakland, California

EXPLANATION

- MW21 Destroyed Groundwater Monitoring Well
- RW7 Destroyed Recovery Well
- DP9 Direct Push Boring
- CPT12 Cone Penetration Test Boring
- HP12 Hydromech Boring
- 638 Soil Boring/Soil Sample

PROJECT NO.

2010

PLATE

2

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id: 1448478048663
Site Location: 720 High St, Oakland, CA
Project Start Date: 12/31/2015
Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com
Extension Start Date: 01/15/2016
Extension Count: 1

City of Project Site: Oakland

Completion Date: 01/15/2016
Extension End Date: 01/22/2016
Extended By: jamesy

Applicant: Cardno - Scott Perkins
601 N McDowell Blvd, Petaluma, CA 94954
Property Owner: Mr. Mo Mashoon Mash Petroleum
428 13th St, 10th Fl., Oakland, CA 94612
Client: Exxon Jen Sedlachek
4096 Piedmont Ave, Oakland, CA 94611

Phone: 707-766-2000

Phone: --

Phone: 510-547-8196

Receipt Number: WR2015-0606	Total Due:	\$6617.00
Payer Name : Cardno	Total Amount Paid:	<u>\$6617.00</u>
Paid By: CHECK		PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells
Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1095	12/16/2015	03/30/2016	MW12	10.00 in.	4.00 in.	0.00 ft	15.50 ft			
W2015-1096	12/16/2015	03/30/2016	MW14	10.00 in.	4.00 in.	0.00 ft	17.00 ft			
W2015-1097	12/16/2015	03/30/2016	MW16A	8.00 in.	2.00 in.	0.00 ft	12.50 ft			
W2015-1098	12/16/2015	03/30/2016	MW16B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1099	12/16/2015	03/30/2016	MW17A	8.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-1100	12/16/2015	03/30/2016	MW17B	8.00 in.	2.00 in.	0.00 ft	26.00 ft			
W2015-1101	12/16/2015	03/30/2016	MW18A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1102	12/16/2015	03/30/2016	MW18B	8.00 in.	2.00 in.	0.00 ft	21.00 ft			
W2015-1103	12/16/2015	03/30/2016	MW19A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1104	12/16/2015	03/30/2016	MW19B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1105	12/16/2015	03/30/2016	MW2	0.00 in.	4.00 in.	0.00 ft	36.00 ft			
W2015-1106	12/16/2015	03/30/2016	MW20	10.00 in.	2.00 in.	0.00 ft	15.50 ft			
W2015-1107	12/16/2015	03/30/2016	MW21	10.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-	12/16/2015	03/30/2016	MW3	0.00 in.	4.00 in.	0.00 ft	36.00 ft			

Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015- 12/16/2015 03/30/2016 MW4 0.00 in. 4.00 in. 0.00 ft 36.00 ft
1109

W2015- 12/16/2015 03/30/2016 MW6 0.00 in. 4.00 in. 0.00 ft 36.00 ft
1110

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 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 10 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 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.

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 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.

9. 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.

Alameda County Public Works Agency - Water Resources Well Permit

10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

11. Any well That is less than 2 inches in diameter shall be drilled out to the total depth.

Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

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 #
W2015-1111	12/16/2015	03/30/2016	AS1	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS2	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS3	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS4	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS5	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS6	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW1	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW2	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW3	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW4	0.00 in.	6.00 in.	0.00 ft	0.00 ft			

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 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.

3. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.

4. 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.

Alameda County Public Works Agency - Water Resources Well Permit

5. Remove the Christy box or similar structure. Pressure Grout with Cement (Less than 30 ft in depth). After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
 6. 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.
 7. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
 8. 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.
 9. Any well that is less than 2 inches in diameter shall be drilled out to the total depth.
 10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
-



FN 20100008 R36



GENERALIZED SITE PLAN
FORMER EXXON SERVICE STATION 73006
 720 High Street
 Oakland, California

EXPLANATION	
MW21	Destroyed Groundwater Monitoring Well
RW07	Destroyed Recovery Well
CPT12	Destroyed Cone Penetration Test Boring
HP12	Hydropunch Boring
G35	Soil Boring/Soil Sample
DP9	Direct Push Boring
CPT12	Cone Penetration Test Boring
HP12	Hydropunch Boring
G35	Soil Boring/Soil Sample

PROJECT NO.
2010

PLATE
2

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id: 1448478048663
Site Location: 720 High St, Oakland, CA
Project Start Date: 12/31/2015
Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com
Extension Start Date: 01/15/2016
Extension Count: 1

City of Project Site: Oakland

Completion Date: 01/15/2016
Extension End Date: 01/22/2016
Extended By: jamesy

Applicant: Cardno - Scott Perkins
601 N McDowell Blvd, Petaluma, CA 94954
Property Owner: Mr. Mo Mashoon Mash Petroleum
428 13th St, 10th Flr., Oakland, CA 94612
Client: Exxon Jen Sedlachek
4096 Piedmont Ave, Oakland, CA 94611

Phone: 707-766-2000

Phone: --

Phone: 510-547-8196

	Total Due:	\$6617.00
Receipt Number: WR2015-0606	Total Amount Paid:	\$6617.00
Payer Name : Cardno	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1095	12/16/2015	03/30/2016	MW12	10.00 in.	4.00 in.	0.00 ft	15.50 ft			
W2015-1096	12/16/2015	03/30/2016	MW14	10.00 in.	4.00 in.	0.00 ft	17.00 ft			
W2015-1097	12/16/2015	03/30/2016	MW16A	8.00 in.	2.00 in.	0.00 ft	12.50 ft			
W2015-1098	12/16/2015	03/30/2016	MW16B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1099	12/16/2015	03/30/2016	MW17A	8.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-1100	12/16/2015	03/30/2016	MW17B	8.00 in.	2.00 in.	0.00 ft	26.00 ft			
W2015-1101	12/16/2015	03/30/2016	MW18A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1102	12/16/2015	03/30/2016	MW18B	8.00 in.	2.00 in.	0.00 ft	21.00 ft			
W2015-1103	12/16/2015	03/30/2016	MW19A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1104	12/16/2015	03/30/2016	MW19B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1105	12/16/2015	03/30/2016	MW2	0.00 in.	4.00 in.	0.00 ft	36.00 ft			
W2015-1106	12/16/2015	03/30/2016	MW20	10.00 in.	2.00 in.	0.00 ft	15.50 ft			
W2015-1107	12/16/2015	03/30/2016	MW21	10.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-	12/16/2015	03/30/2016	MW3	0.00 in.	4.00 in.	0.00 ft	36.00 ft			

Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015- 12/16/2015 03/30/2016 MW4 0.00 in. 4.00 in. 0.00 ft 36.00 ft
1109

W2015- 12/16/2015 03/30/2016 MW6 0.00 in. 4.00 in. 0.00 ft 36.00 ft
1110

Specific Work Permit Conditions

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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 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 10 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 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.

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 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.

9. 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.

Alameda County Public Works Agency - Water Resources Well Permit

10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

11. Any well That is less than 2 inches in diameter shall be drilled out to the total depth.

Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

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 #
W2015-1111	12/16/2015	03/30/2016	AS1	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
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W2015-1111	12/16/2015	03/30/2016	AS3	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS4	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS5	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS6	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW1	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW2	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW3	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
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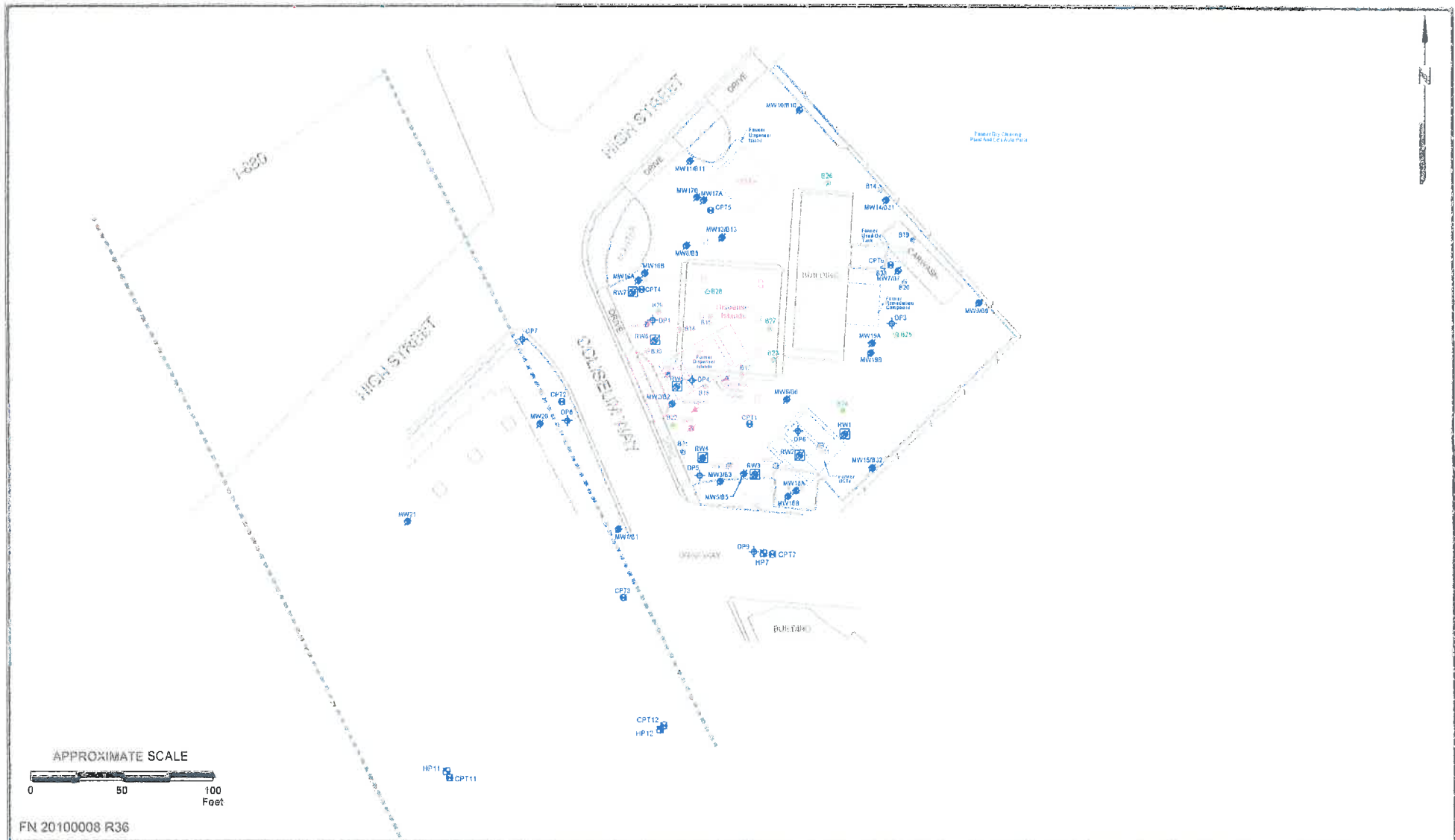
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Alameda County Public Works Agency - Water Resources Well Permit

5. Remove the Christy box or similar structure. Pressure Grout with Cement (Less than 30 ft in depth). After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
 6. 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.
 7. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
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FN 20100008 R36



GENERALIZED SITE PLAN
 FORMER EXXON SERVICE STATION 73006
 720 High Street
 Oakland, California

EXPLANATION

- MW21 Destroyed Groundwater Monitoring Well
- RW27 Destroyed Recovery Well
- HP12 Hydropunch Boring
- OP12 Soil Sampling/Satellite
- OP9 Direct Push Boring
- CPT12 Cone Penetration Test Boring
- HP12 Hydropunch Boring
- OP9 Soil Sampling/Satellite

PROJECT NO.
 2010

PLATE
 2

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id: 1448478048663
Site Location: 720 High St, Oakland, CA
Project Start Date: 12/31/2015
Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com
Extension Start Date: 01/15/2016
Extension Count: 1

City of Project Site: Oakland

Completion Date: 01/15/2016
Extension End Date: 01/22/2016
Extended By: jamesy

Applicant: Cardno - Scott Perkins
601 N McDowell Blvd, Petaluma, CA 94954
Property Owner: Mr. Mo Mashoon Mash Petroleum
428 13th St, 10th Flr., Oakland, CA 94612
Client: Exxon Jen Sedlachek
4096 Piedmont Ave, Oakland, CA 94611

Phone: 707-766-2000

Phone: --

Phone: 510-547-8196

Receipt Number: WR2015-0606	Total Due:	\$6617.00
Payer Name : Cardno	Total Amount Paid:	\$6617.00
	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1095	12/16/2015	03/30/2016	MW12	10.00 in.	4.00 in.	0.00 ft	15.50 ft			
W2015-1096	12/16/2015	03/30/2016	MW14	10.00 in.	4.00 in.	0.00 ft	17.00 ft			
W2015-1097	12/16/2015	03/30/2016	MW16A	8.00 in.	2.00 in.	0.00 ft	12.50 ft			
W2015-1098	12/16/2015	03/30/2016	MW16B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1099	12/16/2015	03/30/2016	MW17A	8.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-1100	12/16/2015	03/30/2016	MW17B	8.00 in.	2.00 in.	0.00 ft	26.00 ft			
W2015-1101	12/16/2015	03/30/2016	MW18A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
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W2015-1103	12/16/2015	03/30/2016	MW19A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
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W2015-1107	12/16/2015	03/30/2016	MW21	10.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-	12/16/2015	03/30/2016	MW3	0.00 in.	4.00 in.	0.00 ft	36.00 ft			

Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015-1109	12/16/2015	03/30/2016	MW4	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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W2015-1110	12/16/2015	03/30/2016	MW6	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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Alameda County Public Works Agency - Water Resources Well Permit

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Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$265.00

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Alameda County Public Works Agency - Water Resources Well Permit

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-

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id: 1448478048663
Site Location: 720 High St, Oakland, CA
Project Start Date: 12/31/2015
Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com
Extension Start Date: 01/15/2016
Extension Count: 1

City of Project Site: Oakland

Completion Date: 01/15/2016
Extension End Date: 01/22/2016
Extended By: jamesy

Applicant: Cardno - Scott Perkins
601 N McDowell Blvd, Petaluma, CA 94954
Property Owner: Mr. Mo Mashoon Mash Petroleum
428 13th St, 10th Flr., Oakland, CA 94612
Client: Exxon Jen Sedlachek
4096 Piedmont Ave, Oakland, CA 94611

Phone: 707-766-2000

Phone: --

Phone: 510-547-8196

	Total Due:	\$6617.00
Receipt Number: WR2015-0606	Total Amount Paid:	\$6617.00
Payer Name : Cardno	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells
Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

Specifications

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Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015- 12/16/2015 03/30/2016 MW4 0.00 in. 4.00 in. 0.00 ft 36.00 ft
1109

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Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

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 #
W2015-1111	12/16/2015	03/30/2016	AS1	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS2	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS3	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS4	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS5	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS6	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW1	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW2	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW3	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
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2. 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.

3. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.

4. 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.

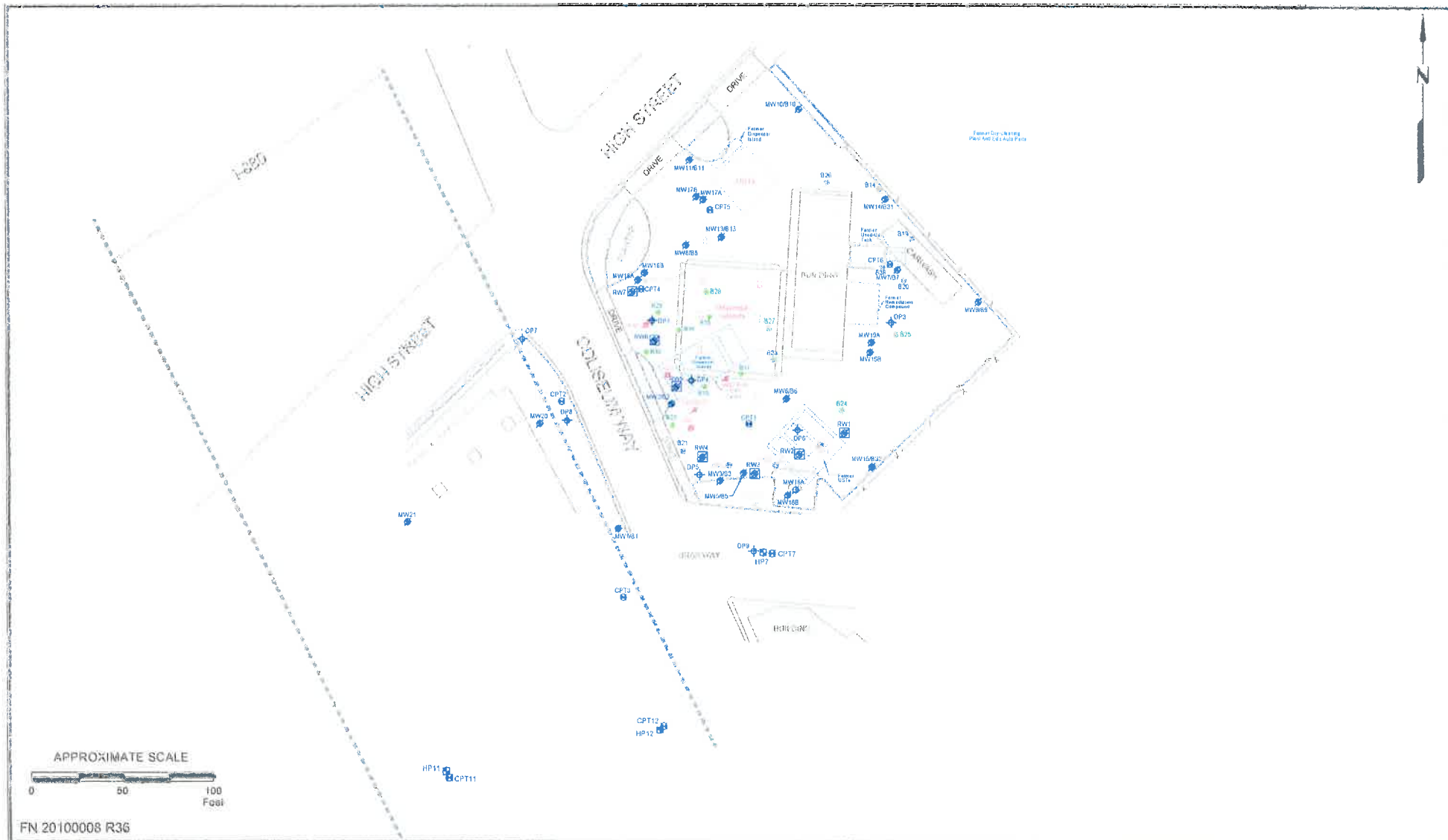
Alameda County Public Works Agency - Water Resources Well Permit

5. Remove the Christy box or similar structure. Pressure Grout with Cement (Less than 30 ft in depth). After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
 6. 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.
 7. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
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CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED



FN 20100008 R36



GENERALIZED SITE PLAN
FORMER EXXON SERVICE STATION 73006
 720 High Street
 Oakland, California

EXPLANATION	
MW21	Destroyed Groundwater Monitoring Well
RW2	Destroyed Recovery Well
HP12	Hydro-punch Boring
OP12	One Penetration Test Boring
OP6	Direct Push Boring
OP11	One Penetration Test Boring
HP12	Hydro-punch Boring
B25	One Hydro-Punch Sample

PROJECT NO.
2010

PLATE
2

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id:	1448478048663	City of Project Site:	Oakland
Site Location:	720 High St, Oakland, CA	Completion Date:	01/15/2016
Project Start Date:	12/31/2015	Extension End Date:	01/22/2016
Assigned Inspector:	Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com	Extended By:	jamesy
Extension Start Date:	01/15/2016		
Extension Count:	1		

Applicant:	Cardno - Scott Perkins	Phone:	707-766-2000
	601 N McDowell Blvd, Petaluma, CA 94954		
Property Owner:	Mr. Mo Mashoon Mash Petroleum	Phone:	--
	428 13th St, 10th Flr., Oakland, CA 94612		
Client:	Exxon Jen Sedlachek	Phone:	510-547-8196
	4096 Piedmont Ave, Oakland, CA 94611		

Receipt Number: WR2015-0606	Total Due:	Total Amount Paid:	\$6617.00
Payer Name : Cardno	Paid By: CHECK	PAID IN FULL	\$6617.00

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells
Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1095	12/16/2015	03/30/2016	MW12	10.00 in.	4.00 in.	0.00 ft	15.50 ft			
W2015-1096	12/16/2015	03/30/2016	MW14	10.00 in.	4.00 in.	0.00 ft	17.00 ft			
W2015-1097	12/16/2015	03/30/2016	MW16A	8.00 in.	2.00 in.	0.00 ft	12.50 ft			
W2015-1098	12/16/2015	03/30/2016	MW16B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1099	12/16/2015	03/30/2016	MW17A	8.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-1100	12/16/2015	03/30/2016	MW17B	8.00 in.	2.00 in.	0.00 ft	26.00 ft			
W2015-1101	12/16/2015	03/30/2016	MW18A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
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W2015-1103	12/16/2015	03/30/2016	MW19A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1104	12/16/2015	03/30/2016	MW19B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1105	12/16/2015	03/30/2016	MW2	0.00 in.	4.00 in.	0.00 ft	36.00 ft			
W2015-1106	12/16/2015	03/30/2016	MW20	10.00 in.	2.00 in.	0.00 ft	15.50 ft			
W2015-1107	12/16/2015	03/30/2016	MW21	10.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-	12/16/2015	03/30/2016	MW3	0.00 in.	4.00 in.	0.00 ft	36.00 ft			

Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015-1109	12/16/2015	03/30/2016	MW4	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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W2015-1110	12/16/2015	03/30/2016	MW6	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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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 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 10 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 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.

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 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.

9. 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.

Alameda County Public Works Agency - Water Resources Well Permit

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Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

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 #
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Alameda County Public Works Agency - Water Resources Well Permit

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CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id:	1448478048663	City of Project Site:	Oakland
Site Location:	720 High St, Oakland, CA	Completion Date:	01/15/2016
Project Start Date:	12/31/2015	Extension End Date:	01/22/2016
Assigned Inspector:	Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com	Extended By:	jamesy
Extension Start Date:	01/15/2016		
Extension Count:	1		

Applicant:	Cardno - Scott Perkins	Phone:	707-766-2000
	601 N McDowell Blvd, Petaluma, CA 94954		
Property Owner:	Mr. Mo Mashoon Mash Petroleum	Phone:	--
	428 13th St, 10th Fl., Oakland, CA 94612		
Client:	Exxon Jen Sedlachek	Phone:	510-547-8196
	4096 Piedmont Ave, Oakland, CA 94611		

Receipt Number: WR2015-0606	Total Due:	\$6617.00
Payer Name : Cardno	Total Amount Paid:	\$6617.00
	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells

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Work Total: \$6352.00

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Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015-1109	12/16/2015	03/30/2016	MW4	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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Alameda County Public Works Agency - Water Resources Well Permit

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Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$265.00

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Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
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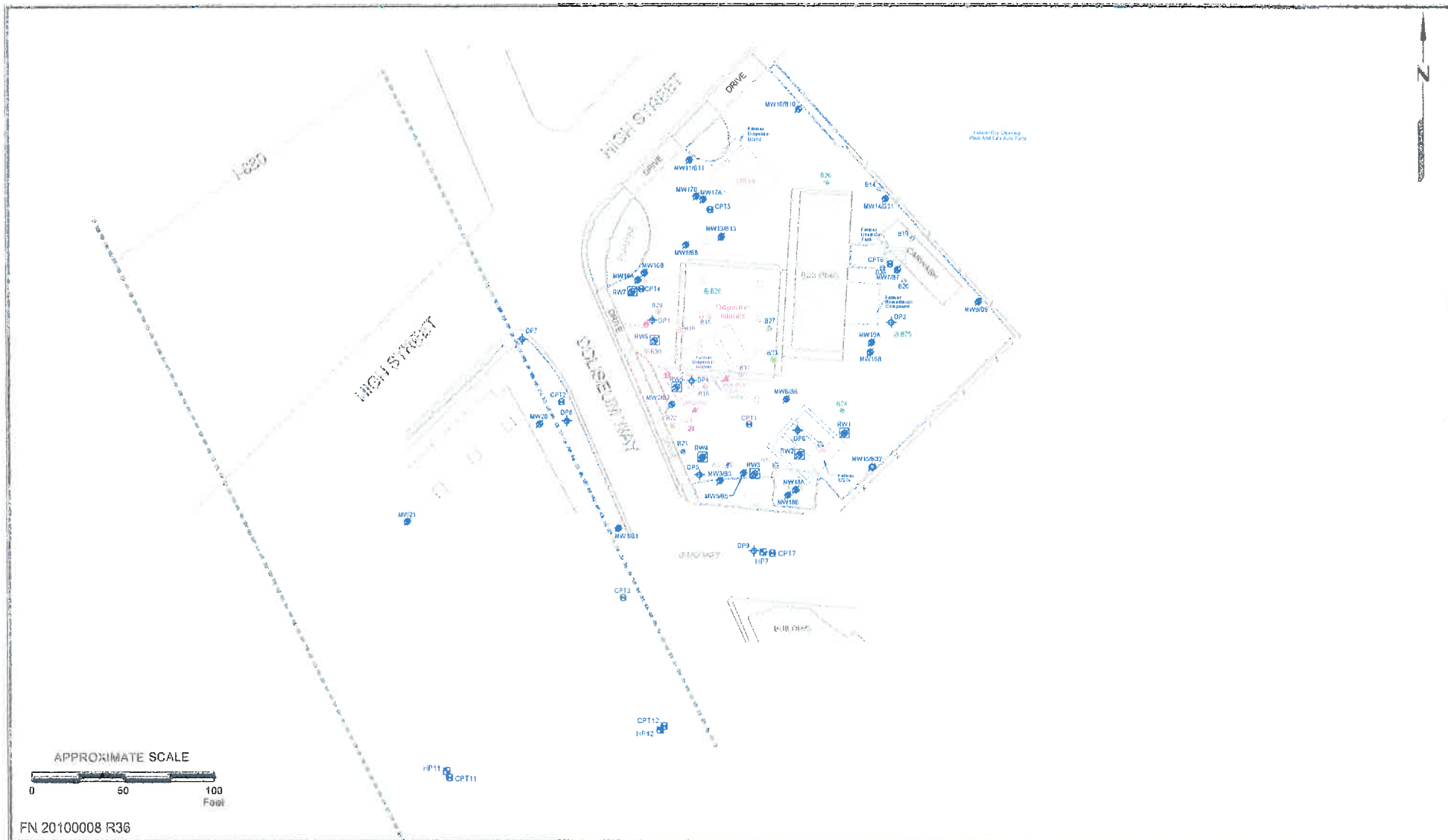
Alameda County Public Works Agency - Water Resources Well Permit

5. Remove the Christy box or similar structure. Pressure Grout with Cement (Less than 30 ft in depth). After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
 6. 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.
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CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED



FN 20100008 R36



GENERALIZED SITE PLAN
 FORMER EXXON SERVICE STATION 73006
 720 High Street
 Oakland, California

EXPLANATION	
MW21	Destroyed Groundwater Monitoring Well
RW2	Destroyed Recovery Well
CPT12	Destroyed Cone Penetration Test Boring
HP12	Destroyed Hydromechanical Boring
DP9	Destroyed Direct Push Boring
CPT13	Destroyed Cone Penetration Test Boring
HP12	Destroyed Hydromechanical Boring
G38	Destroyed Soil Sampling

PROJECT NO.
2010

PLATE
2

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id: 1448478048663
Site Location: 720 High St, Oakland, CA
Project Start Date: 12/31/2015
Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com
Extension Start Date: 01/15/2016
Extension Count: 1

City of Project Site:Oakland

Completion Date:01/15/2016
Extension End Date: 01/22/2016
Extended By: jamesy

Applicant: Cardno - Scott Perkins
601 N McDowell Blvd, Petaluma, CA 94954
Property Owner: Mr. Mo Mashoon Mash Petroleum
428 13th St, 10th Flr., Oakland, CA 94612
Client: Exxon Jen Sedlachek
4096 Piedmont Ave, Oakland, CA 94611

Phone: 707-766-2000
Phone: --
Phone: 510-547-8196

	Total Due:	\$6617.00
Receipt Number: WR2015-0606	Total Amount Paid:	\$6617.00
Payer Name : Cardno	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells
Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1095	12/16/2015	03/30/2016	MW12	10.00 in.	4.00 in.	0.00 ft	15.50 ft			
W2015-1096	12/16/2015	03/30/2016	MW14	10.00 in.	4.00 in.	0.00 ft	17.00 ft			
W2015-1097	12/16/2015	03/30/2016	MW16A	8.00 in.	2.00 in.	0.00 ft	12.50 ft			
W2015-1098	12/16/2015	03/30/2016	MW16B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1099	12/16/2015	03/30/2016	MW17A	8.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-1100	12/16/2015	03/30/2016	MW17B	8.00 in.	2.00 in.	0.00 ft	26.00 ft			
W2015-1101	12/16/2015	03/30/2016	MW18A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1102	12/16/2015	03/30/2016	MW18B	8.00 in.	2.00 in.	0.00 ft	21.00 ft			
W2015-1103	12/16/2015	03/30/2016	MW19A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1104	12/16/2015	03/30/2016	MW19B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1105	12/16/2015	03/30/2016	MW2	0.00 in.	4.00 in.	0.00 ft	36.00 ft			
W2015-1106	12/16/2015	03/30/2016	MW20	10.00 in.	2.00 in.	0.00 ft	15.50 ft			
W2015-1107	12/16/2015	03/30/2016	MW21	10.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-	12/16/2015	03/30/2016	MW3	0.00 in.	4.00 in.	0.00 ft	36.00 ft			

Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015-1109	12/16/2015	03/30/2016	MW4	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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W2015-1110	12/16/2015	03/30/2016	MW6	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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Specific Work Permit Conditions

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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 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 10 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 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.

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 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.

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Alameda County Public Works Agency - Water Resources Well Permit

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Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

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 #
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W2015-1111	12/16/2015	03/30/2016	AS5	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
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Alameda County Public Works Agency - Water Resources Well Permit

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CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

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Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com
Extension Start Date: 01/15/2016
Extension Count: 1

City of Project Site:Oakland

Completion Date:01/15/2016
Extension End Date: 01/22/2016
Extended By: jamesy

Applicant: Cardno - Scott Perkins
601 N McDowell Blvd, Petaluma, CA 94954
Property Owner: Mr. Mo Mashoon Mash Petroleum
428 13th St, 10th Flr., Oakland, CA 94612
Client: Exxon Jen Sedlachek
4096 Piedmont Ave, Oakland, CA 94611

Phone: 707-766-2000

Phone: --

Phone: 510-547-8196

	Total Due:	\$6617.00
Receipt Number: WR2015-0606	Total Amount Paid:	\$6617.00
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Work Total: \$6352.00

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Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015-1109	12/16/2015	03/30/2016	MW4	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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W2015-1110	12/16/2015	03/30/2016	MW6	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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Alameda County Public Works Agency - Water Resources Well Permit

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Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$265.00

Specifications

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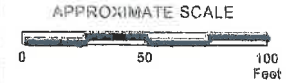
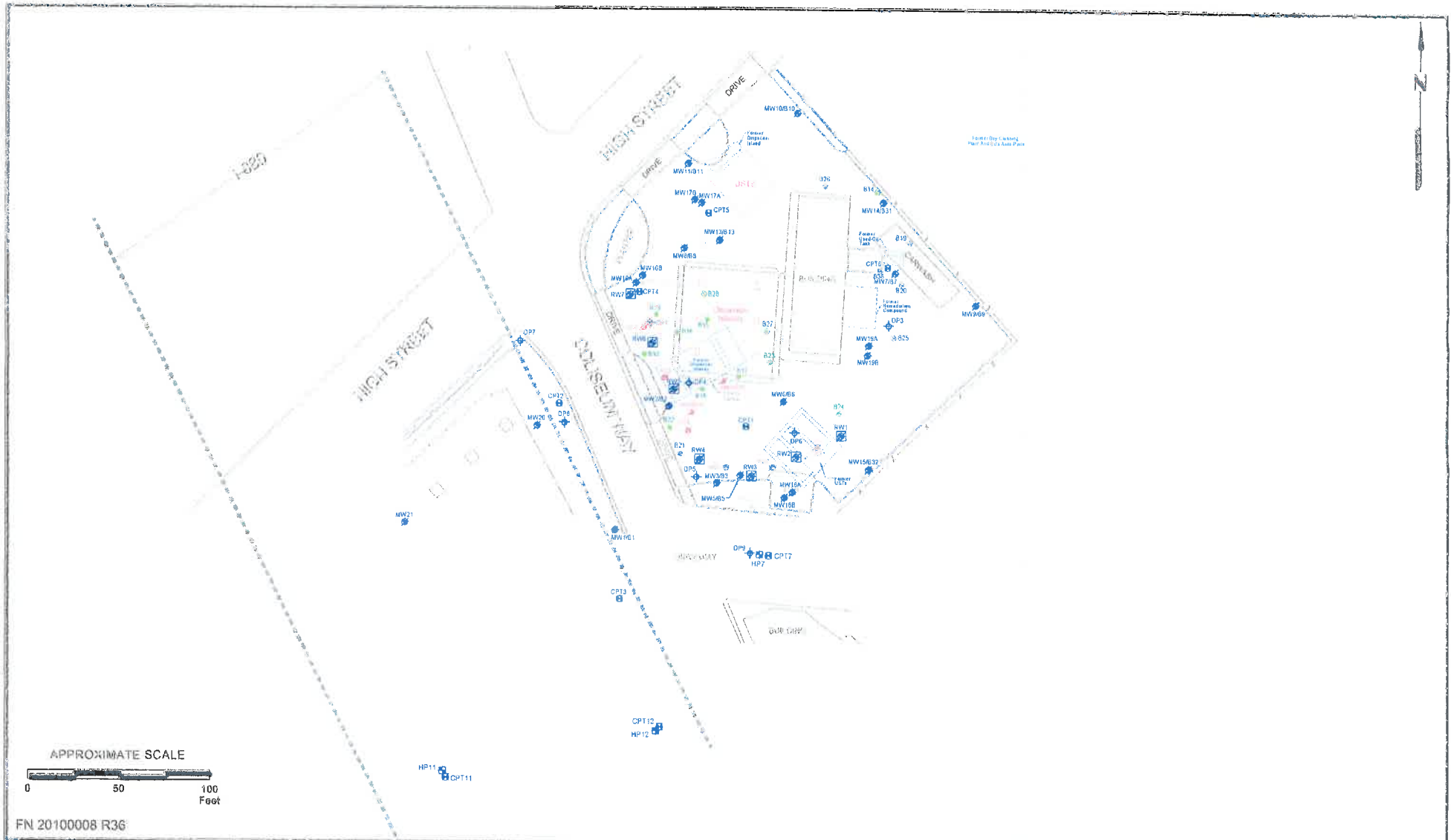
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Alameda County Public Works Agency - Water Resources Well Permit

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FN 20100008 R36



GENERALIZED SITE PLAN
 FORMER EXXON SERVICE STATION 73006
 720 High Street
 Oakland, California

EXPLANATION

- MW21 Destroyed Groundwater Monitoring Well
- RW7 Destroyed Recovery Well
- CPT12 Destroyed Cone Penetration Test Bore
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PROJECT NO.
2010

PLATE
2

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

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Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id: 1448478048663
Site Location: 720 High St, Oakland, CA
Project Start Date: 12/31/2015
Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com
Extension Start Date: 01/15/2016
Extension Count: 1

City of Project Site: Oakland

Completion Date: 01/15/2016
Extension End Date: 01/22/2016
Extended By: jamesy

Applicant: Cardno - Scott Perkins
601 N McDowell Blvd, Petaluma, CA 94954
Property Owner: Mr. Mo Mashoon Mash Petroleum
428 13th St, 10th Flr., Oakland, CA 94612
Client: Exxon Jen Sedlachek
4096 Piedmont Ave, Oakland, CA 94611

Phone: 707-766-2000

Phone: --

Phone: 510-547-8196

Receipt Number: WR2015-0606 **Total Due:** \$6617.00
Payer Name : Cardno **Total Amount Paid:** \$6617.00
Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-1095	12/16/2015	03/30/2016	MW12	10.00 in.	4.00 in.	0.00 ft	15.50 ft			
W2015-1096	12/16/2015	03/30/2016	MW14	10.00 in.	4.00 in.	0.00 ft	17.00 ft			
W2015-1097	12/16/2015	03/30/2016	MW16A	8.00 in.	2.00 in.	0.00 ft	12.50 ft			
W2015-1098	12/16/2015	03/30/2016	MW16B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1099	12/16/2015	03/30/2016	MW17A	8.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-1100	12/16/2015	03/30/2016	MW17B	8.00 in.	2.00 in.	0.00 ft	26.00 ft			
W2015-1101	12/16/2015	03/30/2016	MW18A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1102	12/16/2015	03/30/2016	MW18B	8.00 in.	2.00 in.	0.00 ft	21.00 ft			
W2015-1103	12/16/2015	03/30/2016	MW19A	8.00 in.	2.00 in.	0.00 ft	14.00 ft			
W2015-1104	12/16/2015	03/30/2016	MW19B	8.00 in.	2.00 in.	0.00 ft	24.00 ft			
W2015-1105	12/16/2015	03/30/2016	MW2	0.00 in.	4.00 in.	0.00 ft	36.00 ft			
W2015-1106	12/16/2015	03/30/2016	MW20	10.00 in.	2.00 in.	0.00 ft	15.50 ft			
W2015-1107	12/16/2015	03/30/2016	MW21	10.00 in.	2.00 in.	0.00 ft	13.00 ft			
W2015-	12/16/2015	03/30/2016	MW3	0.00 in.	4.00 in.	0.00 ft	36.00 ft			

Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015-1109	12/16/2015	03/30/2016	MW4	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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W2015-1110	12/16/2015	03/30/2016	MW6	0.00 in.	4.00 in.	0.00 ft	36.00 ft
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Specific Work Permit Conditions

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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 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 10 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 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.
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 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.
9. 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.

Alameda County Public Works Agency - Water Resources Well Permit

10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

11. Any well That is less than 2 inches in diameter shall be drilled out to the total depth.

Remediation Well Destruction-Extraction - 10 Wells

Driller: Cardno ERI - Lic #: 611283 - Method: other

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 #
W2015-1111	12/16/2015	03/30/2016	AS1	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS2	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS3	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	AS4	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
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W2015-1111	12/16/2015	03/30/2016	AS6	0.00 in.	0.00 in.	0.00 ft	0.00 ft			
W2015-1111	12/16/2015	03/30/2016	RW1	0.00 in.	6.00 in.	0.00 ft	0.00 ft			
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2. 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.

3. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.

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Alameda County Public Works Agency - Water Resources Well Permit

5. Remove the Christy box or similar structure. Pressure Grout with Cement (Less than 30 ft in depth). After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
 6. 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.
 7. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
 8. 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.
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-

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

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: 12/16/2015 By jamesy

Permit Numbers: W2015-1095 to W2015-1111
Permits Valid from 01/15/2016 to 01/22/2016

Application Id: 1448478048663
Site Location: 720 High St, Oakland, CA
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Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com
Extension Start Date: 01/15/2016
Extension Count: 1

City of Project Site: Oakland
Completion Date: 01/15/2016
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Extended By: jamesy

Applicant: Cardno - Scott Perkins
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Property Owner: Mr. Mo Mashoon Mash Petroleum
428 13th St, 10th Flr., Oakland, CA 94612
Client: Exxon Jen Sedlachek
4096 Piedmont Ave, Oakland, CA 94611

Phone: 707-766-2000
Phone: --
Phone: 510-547-8196

Total Due: \$6617.00
Receipt Number: WR2015-0606 **Total Amount Paid:** \$6617.00
Payer Name : Cardno **Paid By: CHECK** **PAID IN FULL**

Works Requesting Permits:

Well Destruction-Monitoring - 16 Wells
Driller: Cardno ERI - Lic #: 611283 - Method: other

Work Total: \$6352.00

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Alameda County Public Works Agency - Water Resources Well Permit

1108

W2015- 12/16/2015 03/30/2016 MW4 0.00 in. 4.00 in. 0.00 ft 36.00 ft

1109

W2015- 12/16/2015 03/30/2016 MW6 0.00 in. 4.00 in. 0.00 ft 36.00 ft

1110

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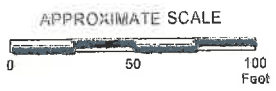
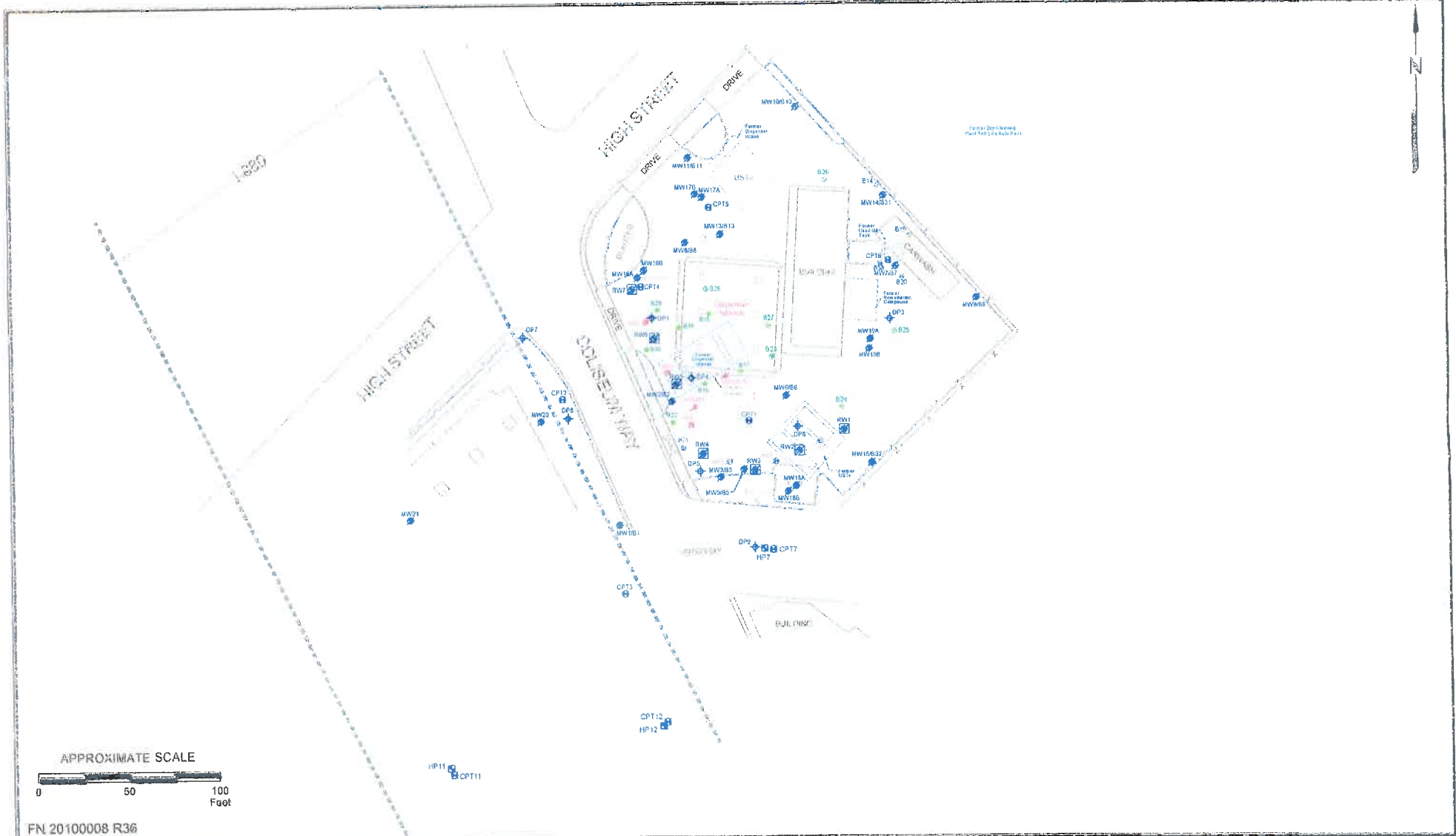
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Alameda County Public Works Agency - Water Resources Well Permit

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FN 20100008 R36



GENERALIZED SITE PLAN
 FORMER EXXON SERVICE STATION 73006
 720 High Street
 Oakland, California

EXPLANATION	
MW21	Destroyed Groundwater Monitoring Well
RW27	Destroyed Recovery Well
	Intermittent or Obsolete Well
	Unapproved Borehole Installation
DP6	Direct Push Boring
CPT12	Cone Penetration Test Boring
HP12	Hydro-punch Boring
	San Sewing Sewer Mainline

PROJECT NO.	2010
PLATE	2