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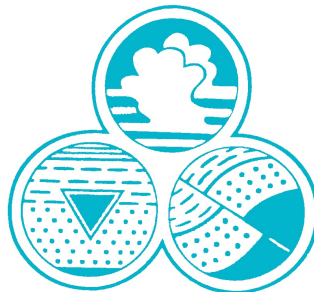
Monitoring Well Installation Work Plan
RINO PACIFIC/OAKLAND TRUCK STOP (ACHES Fuel Leak Case No. RO0000234)
1107 5th Street, Oakland, California

17 September 2013
AGE Project No. 03-1101

PREPARED FOR:

Mr. Reed Rinehart
RINO PACIFIC, LLC

PREPARED BY:



Advanced GeoEnvironmental, Inc.

Stockton • Santa Rosa • Monterey • Brea • Seattle • Spokane • Reno • Dallas

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RINO PACIFIC/OAKLAND TRUCK STOP (ACEHS Fuel Leak Case No. RO0000234)
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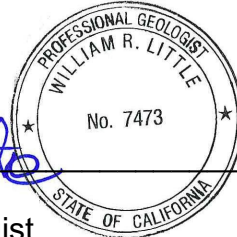
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PERJURY STATEMENT

Subject: RINO PACIFIC/OAKLAND TRUCK STOP
ACEHS Fuel Leak Case No. RO0000234
1107 5th Street, Oakland, California

" I declare under penalty of perjury, that the information and/or recommendations in the attached document or report is true or correct to the best of my knowledge"



Mr. Reed Rinehart
Rino Pacific, LLC
2401 North State Street
Ukiah, California 95482

3/23/2011

Date

**Monitoring Well Installation Work Plan
RINO PACIFIC/OAKLAND TRUCK STOP
1107 5th Street, Oakland, California**

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Monitoring Well Installation Work Plan
RINO PACIFIC/OAKLAND TRUCK STOP
1107 5th Street, Oakland, California

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Monitoring Well Installation Work Plan
RINO PACIFIC/OAKLAND TRUCK STOP
1107 5th Street, Oakland, California

1.0. INTRODUCTION

Advanced GeoEnvironmental, Inc. (AGE) has prepared this *Monitoring Well Installation Work Plan* for the site located at 1107 5th Street, Oakland, California. The scope of work includes the installation of one shallow-screened groundwater monitoring well and three deep-screened groundwater monitoring wells. The work is being performed to assess the lateral and vertical extent of petroleum hydrocarbon-impacted groundwater.

A location map depicting the site and surrounding area is provided in Figure 1; a site map depicting site features, well and soil boring locations and proposed monitoring well locations is presented in Figure 2; a groundwater elevation map depicting groundwater flow direction and gradient is presented in Figure 3; and maps illustrating the current estimated distribution of dissolved total petroleum hydrocarbons as gasoline (TPH-g) and diesel (TPH-d), methyl tertiary butyl ether (MTBE), and tertiary butanol (TBA) are presented in Figures 4 through 7. Well construction details, groundwater elevations, and current analytical results of groundwater samples are included in Tables 1 through 3. Additionally, historical site background information is presented in Appendix A.

The work plan was prepared as directed by Alameda County Environmental Health Services letter dated 29 July 2013 (Appendix B), and in accordance with guidelines issued by the California Regional Water Quality Control Board (CRWQCB) for investigation of underground storage tank (UST) sites.

2.0. SCOPE OF WORK

AGE proposes to install one shallow-screened and three deep-screened groundwater monitoring wells to define the lateral and vertical extent of hydrocarbon-impacted groundwater at the site. The proposed well locations are illustrated in Figure 2.

The assessment activities will consist of the following tasks:

- Permitting and pre-field work activities;
- Drilling and soil sample collection, soil sample analysis;
- Well installation, development, and survey;
- Groundwater sample collection; and
- Report of Findings.

Each of these tasks are discussed below in detail.

2.1. PERMITTING AND PRE-FIELD WORK PREPARATIONS

Applicable well installation permits will be obtained from Alameda County Public Works Agency - Water Resources Division (ACPWA-WRD). An update to the health and safety plan presently on-file will be prepared in accordance with *Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities* (National Institute for Occupational Safety and Health Administration, U.S. Coast Guard and U.S. Environmental Protection Agency, 1985). Prior to mobilization, the area of excavation will be clearly marked and a utility clearance obtained through Underground Service Alert. The ACPWA-WRD will be contacted at least 48 hours prior to conducting any field work.

2.2. DRILLING AND SOIL SAMPLE COLLECTION

AGE proposes to advance a total of four pilot soil borings on-site for installation of one shallow-screened and three deep-screened groundwater monitoring wells. Monitoring wells will be installed using a truck-mounted or track-mounted, hollow-stem auger drill rig equipped with 8.25-inch diameter hollow-stem augers to advance one pilot soil boring to approximately 20 feet below surface grade (bsg) and three pilot soil borings to approximately 40 feet bsg; total depths of the pilot borings may vary according to hydrogeologic/geologic conditions encountered during drilling. Proposed groundwater monitoring well locations are as follows:

- One pilot soil boring will be advanced along the western property boundary in the location of boring P7, to a total depth of 20 feet bsg for installation of a shallow-screened monitoring well;
- One pilot soil boring will be advanced along the western property boundary in the location of boring P7, to a total depth of 40 feet bsg for installation of a deep-screened monitoring well;
- One pilot soil boring will be advanced in the eastern portion of the site, approximately 5 to 10 feet north of boring P1, to a total depth of 40 feet bsg for installation of a deep-screened monitoring well; and
- One pilot soil boring will be advanced in the eastern portion of the site, approximately 50 to 55 feet south of MW-14, to a total depth of 40 feet bsg for installation of a deep-screened monitoring well.

Proposed well locations are depicted in the site plan presented in Figure 2. Additionally,

proposed well locations are depicted in Figures 4 through 7.

2.3. SOIL SAMPLE ANALYSIS

Soil samples will be collected at selected intervals in selected pilot borings using a California split-spoon sampler fitted with 2-inch diameter by 6-inch long stainless steel sleeves. Selected soil samples required to fill data gaps or exhibiting deep soil contamination, will be analyzed by a California Department of Public Health (CDPH)-certified laboratory for the following constituents:

- TPH-g and TPH-d in accordance with EPA Method 8015 Modified;
- Benzene, toluene, ethyl benzene and total xylene (BTEX) in accordance with EPA Method 8260B; and
- Oxygenated compounds: di-isopropyl ether (DIPE), ethyl tertiary-butyl ether (ETBE), MTBE, tertiary-amyl methyl ether (TAME), TBA, ethylene dibromide (EDB) and 1,2-dichloroethane (1,2-DCA) in accordance with EPA Method 8260B.

Laboratory reports of soil analyses, testing methods, laboratory quality assurance/quality control (QA/QC) reports, and sample chain of custody documentation will be presented in a report of findings.

2.4. WELL INSTALLATION, DEVELOPMENT AND SURVEY

One pilot boring will be completed as a groundwater monitoring well screened from 5 feet to 20 feet bsg; and three pilot borings will be completed as groundwater monitoring wells screened from 35 feet to 40 feet bsg. Following installation, the wells will be developed to maximize water flow and minimize the amount of fine-grained sediment drawn into the well during pumping or bailing, and the tops of the newly installed well casings (well head) will be surveyed by a California-licensed surveyor. Procedures for well completion, development and survey are presented in Sections 3.2. and 3.3., respectively.

2.5. GROUNDWATER SAMPLING AND ANALYSIS

Groundwater sampling activities for the newly installed monitoring wells will be conducted at least 72 hours after monitoring well development. Sampling activities will include recording depth to groundwater measurements and collection of groundwater samples for

laboratory analysis by a CDPH-certified laboratory. Groundwater sampling will be performed in accordance with AGE's standard monitoring and sampling procedures, provided in Appendix C.

3.0. PROCEDURES

All field procedures will be overseen by an AGE representative under the supervision of a California Professional Geologist. Procedures for well installation, development, collection and analysis of soil and groundwater samples, equipment decontamination and sample handling are presented below.

3.1. DRILLING AND SOIL SAMPLING

One pilot soil boring will be advanced at the site to a maximum depth of 20 feet bsg for installation of a shallow-screened groundwater monitoring well and three pilot soil borings will be advanced at the site to maximum depths of 40 feet bsg for installation of deep-screened groundwater monitoring wells. Pilot borings will be advanced utilizing a truck-mounted or track-mounted hollow-stem auger drill rig equipped with 8.25-inch diameter hollow-stem augers. Soil samples will be collected from selected soil borings at selected intervals beginning at 5 feet bsg.

Relatively undisturbed soil samples will be collected using a California modified split-spoon sampler fitted with 2-inch by 6-inch diameter stainless steel sleeves. Upon removal from the sampler, sample sleeves will be separated, exposed ends of a selected sleeve will be covered with Teflon sheets, capped and sealed with tape.

Soil encountered in the borings will be visually classified by an AGE geologist or environmental specialist in accordance with the Unified Soil Classification System (USCS). Additionally, soil samples will be field-screened for the presence of volatile organic compounds using an organic vapor meter (OVM) equipped with a photo-ionization detector (PID). Soil sample descriptions and OVM readings will be recorded on a log for each boring. Following sample collection, each preserved sample sleeve will be labeled with the boring location, depth, time, date and sampler's initials. Appropriately sealed and labeled samples will be placed in a chilled container with ice and transported under chain-of-custody procedure to a CDPH-certified laboratory. The proposed well locations are illustrated in Figure 2.

3.2. WELL COMPLETION

Pilot soil borings will be single-completed as groundwater monitoring wells utilizing 2-inch diameter schedule 40 polyvinylchloride (PVC) 0.020-inch slotted well screen and blank well casing. Well screens will be placed from 5 feet to 20 feet bsg and from 35 feet to 40 feet bsg. Proposed monitoring well construction designs are presented in Figures 8 and 9.

After installing the well casings, a filter pack material consisting of pre-washed #3 sand will be added through the augers to approximately one to two feet above the screened interval. Following placement of the filter pack, the well will be surged to assist in settling the filter pack. Additional sand will be added if settling occurs.

A nominal two-foot bentonite seal will be placed above the filter pack. The bentonite seal will be formed by pouring bentonite chips into the annulus and allowing them to settle on the filter pack; bentonite pellets will be used for the construction of the deep monitoring wells. The bentonite will be allowed to hydrate for a minimum of one-half hour prior to grouting and completing the well.

The remaining annular space will be filled to the ground surface with a cement grout. The grout mixture will consist of Type I/II portland neat cement and not more than 6 gallons of water per 94-pound sack of cement. A grouting inspection will be scheduled with ACPWA-WRD personnel.

3.3. WELL DEVELOPMENT AND SURVEY

Development of the proposed wells will consist of a combination of bailing with a stainless steel bailer to remove the major portion of fine-grained sediment from inside the well, surging to flush out or draw in sediment from the filter pack, and additional groundwater evacuation (purging) with a Waterra inertia pump to finish the removal of fine-grained sediment. Development activities will be continued until field parameter (pH, electrical conductivity, and temperature) readings have stabilized and purged water is visually sediment-free. Additionally, well-head elevations will be surveyed by a licensed surveyor.

3.4. EQUIPMENT DECONTAMINATION/WASTE MANAGEMENT

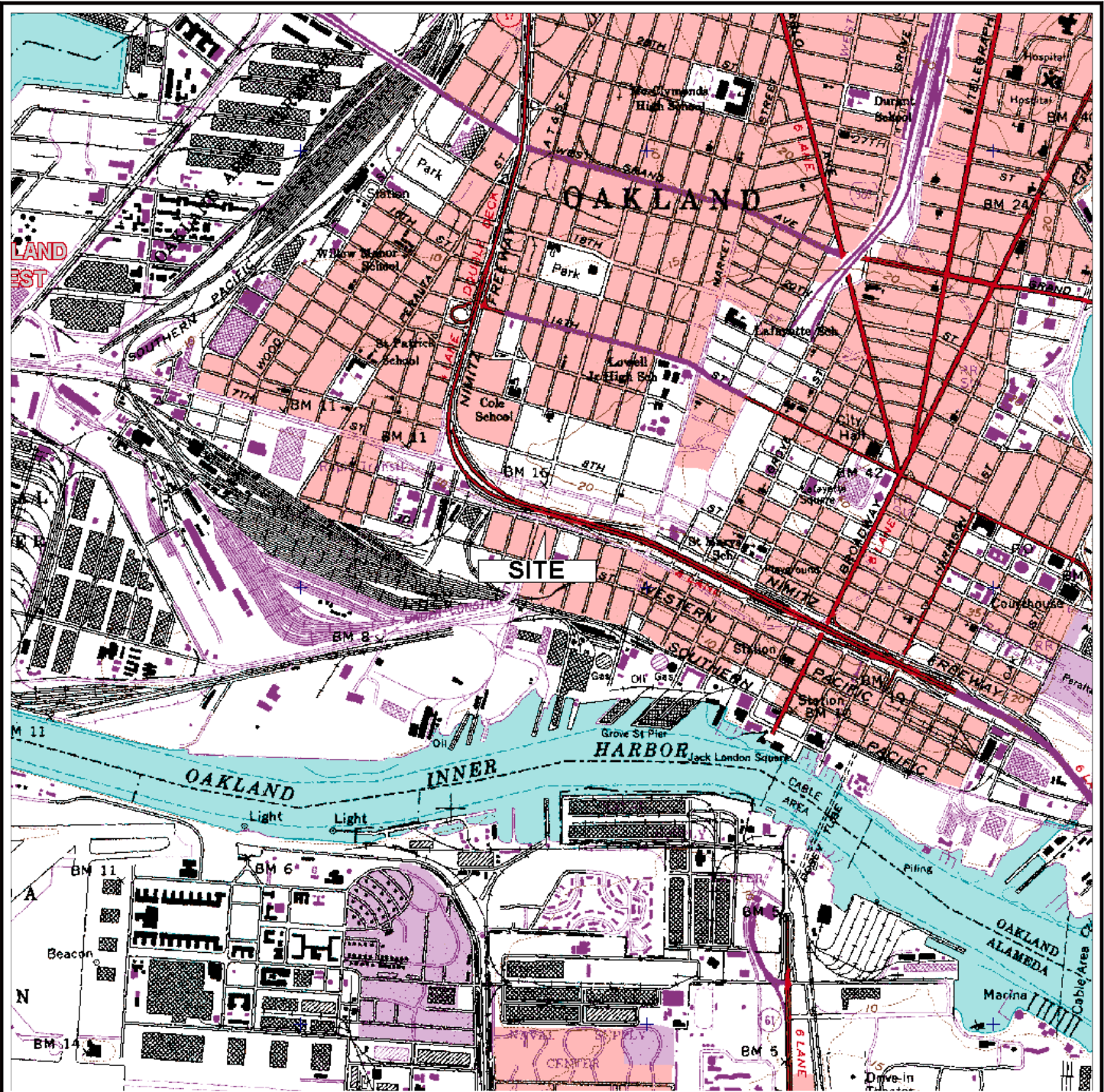
All sampling tools used for sample collection, except for disposable bailers, will be thoroughly rinsed with clean water after being washed with a solution of Alconox. All down-hole drilling equipment will be pressure washed prior to starting each boring. Cuttings and rinseate generated during drilling activities and groundwater generated from sampling

activities will be containerized in properly labeled DOT-approved 55-gallon drums or a water holding tank, and stored on-site. Disposal alternatives will be evaluated based on results of soil and water analysis.

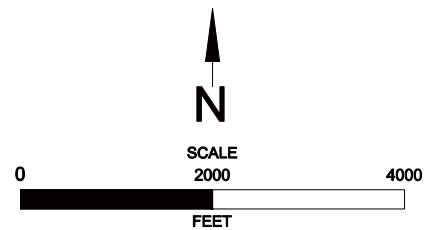
3.5. REPORT PREPARATION

Upon completion of field work and receipt of final laboratory analysis, a report will be prepared presenting a description of the work performed and the results of the sampling and analysis. The report will be in a format acceptable to the ACEHS and will be reviewed and signed by a California Professional Geologist.

FIGURES



OAKLAND WEST QUADRANGLE, CALIFORNIA
7.5 MINUTE SERIES (U.S. GEOLOGICAL SURVEY)



LOCATION MAP
RINI PACIFIC/OAKLAND TRUCK STOP
1107 5TH STREET
OAKLAND, CALIFORNIA



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FILE: LOCATION

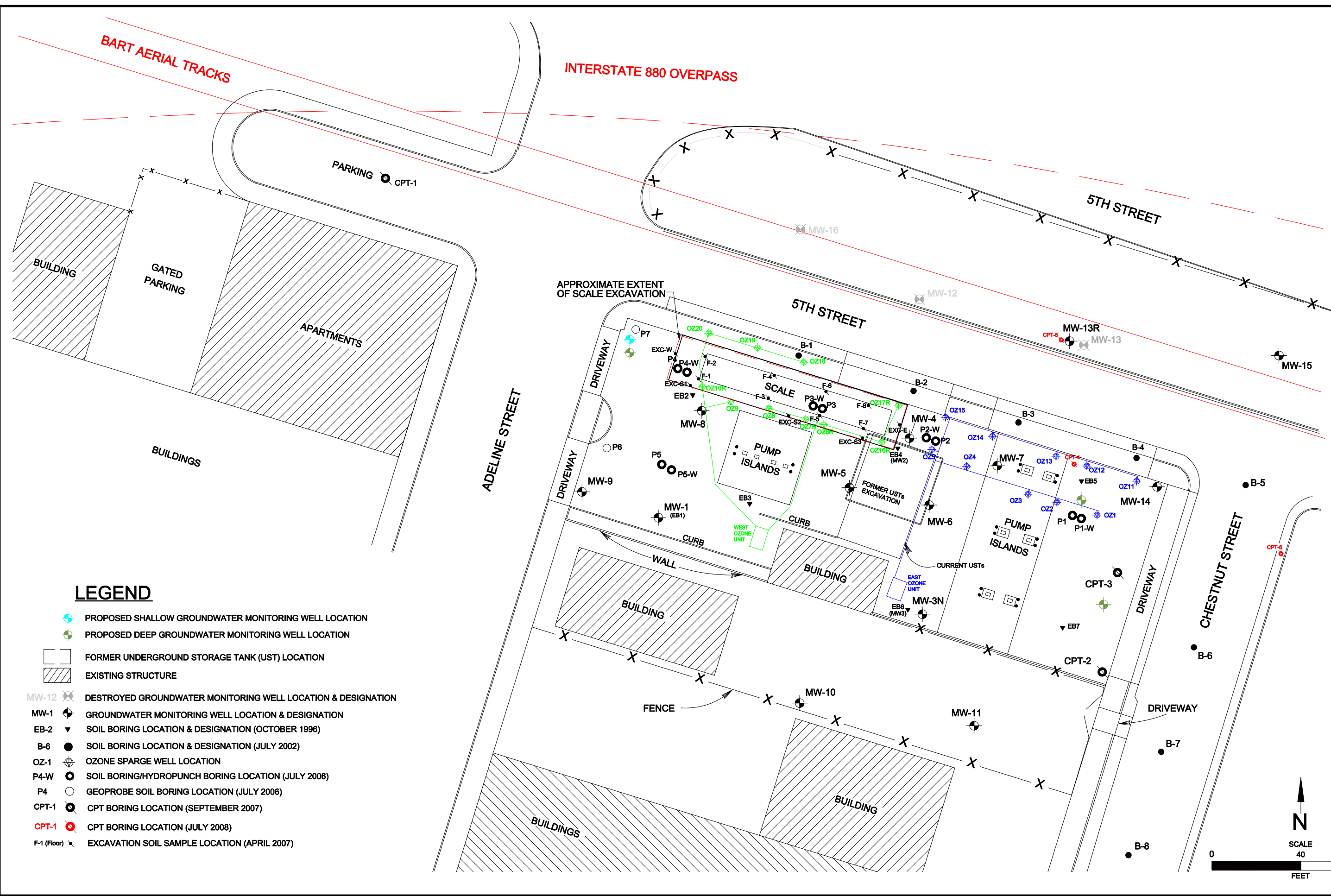
FIGURE:

DATE: DECEMBER 2011

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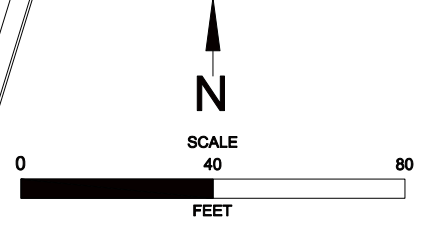
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SITE PLAN
RINO PACIFIC/OAKLAND TRUCK STOP
1107 5TH STREET
OAKLAND, CALIFORNIA



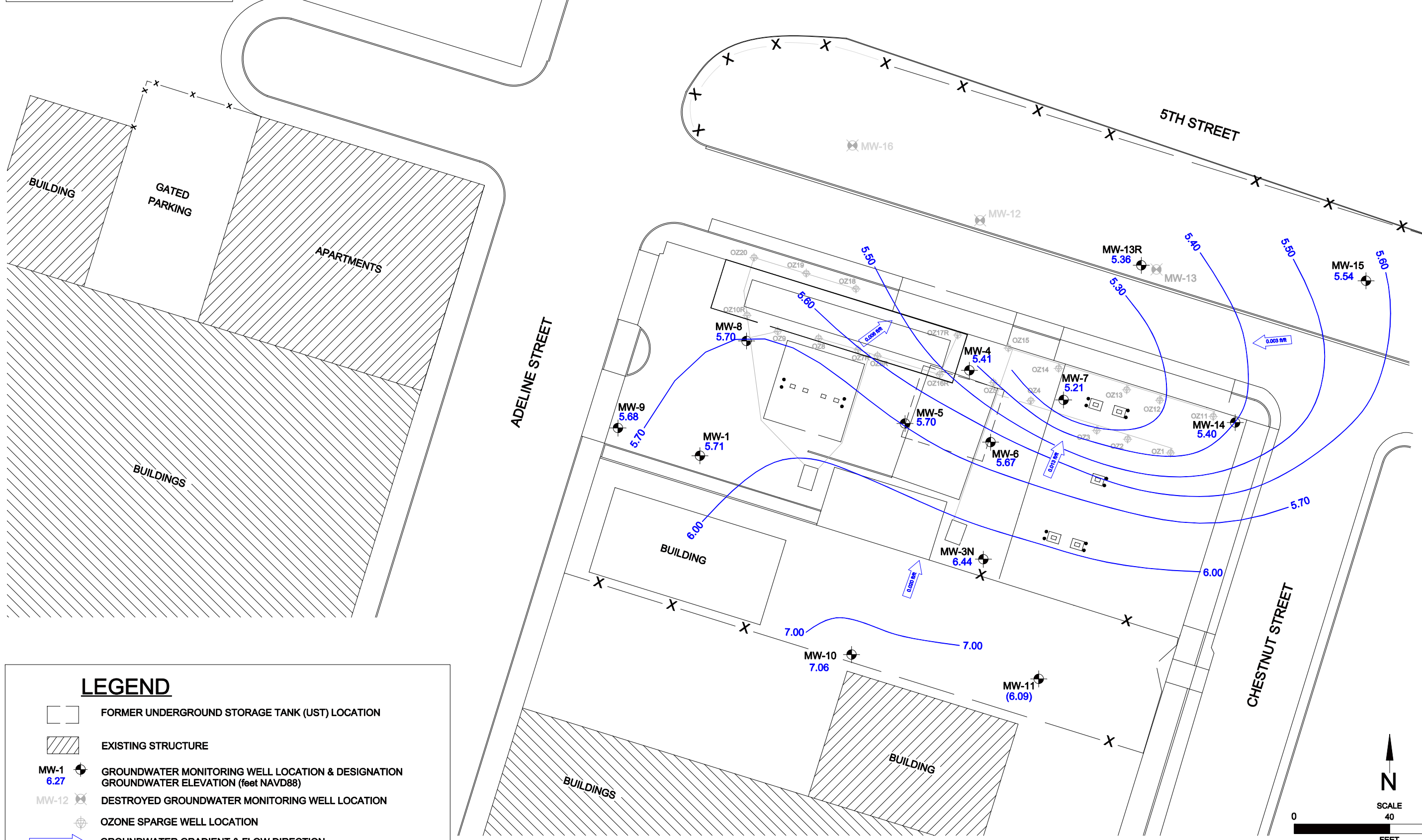
LEGEND

- PROPOSED SHALLOW GROUNDWATER MONITORING WELL LOCATION
- PROPOSED DEEP GROUNDWATER MONITORING WELL LOCATION
- FORMER UNDERGROUND STORAGE TANK (UST) LOCATION
- EXISTING STRUCTURE
- DESTROYED GROUNDWATER MONITORING WELL LOCATION & DESIGNATION
- GROUNDWATER MONITORING WELL LOCATION & DESIGNATION
- SOIL BORING LOCATION & DESIGNATION (OCTOBER 1996)
- SOIL BORING LOCATION & DESIGNATION (JULY 2002)
- OZONE SPARGE WELL LOCATION
- SOIL BORING/HYDROPUNCH BORING LOCATION (JULY 2006)
- GEOPROBE SOIL BORING LOCATION (JULY 2006)
- CPT BORING LOCATION (SEPTEMBER 2007)
- CPT BORING LOCATION (JULY 2008)
- EXCAVATION SOIL SAMPLE LOCATION (APRIL 2007)



NOTES
 NOACC: NO ACCESS TO WELL
 FT/FT: FOOT PER FOOT
 NAVD: NA Vertical Datum 88

22 MAY 2013



LEGEND

- FORMER UNDERGROUND STORAGE TANK (UST) LOCATION
- EXISTING STRUCTURE
- MW-1 6.27 GROUNDWATER MONITORING WELL LOCATION & DESIGNATION
GROUNDWATER ELEVATION (feet NAVD88)
- MW-12 DESTROYED GROUNDWATER MONITORING WELL LOCATION
- OZONE SPARGE WELL LOCATION
- 0.02 ft/ft GROUNDWATER GRADIENT & FLOW DIRECTION

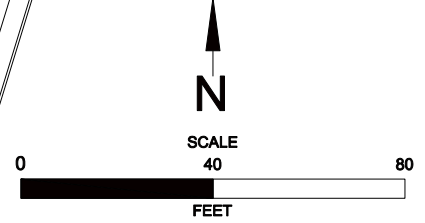
GROUNDWATER ELEVATION
 RINO PACIFIC/OAKLAND TRUCK STOP
 1107 5TH STREET
 OAKLAND, CALIFORNIA

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PROJECT NO. AGE-08-1101
 DATE: MAY 2013

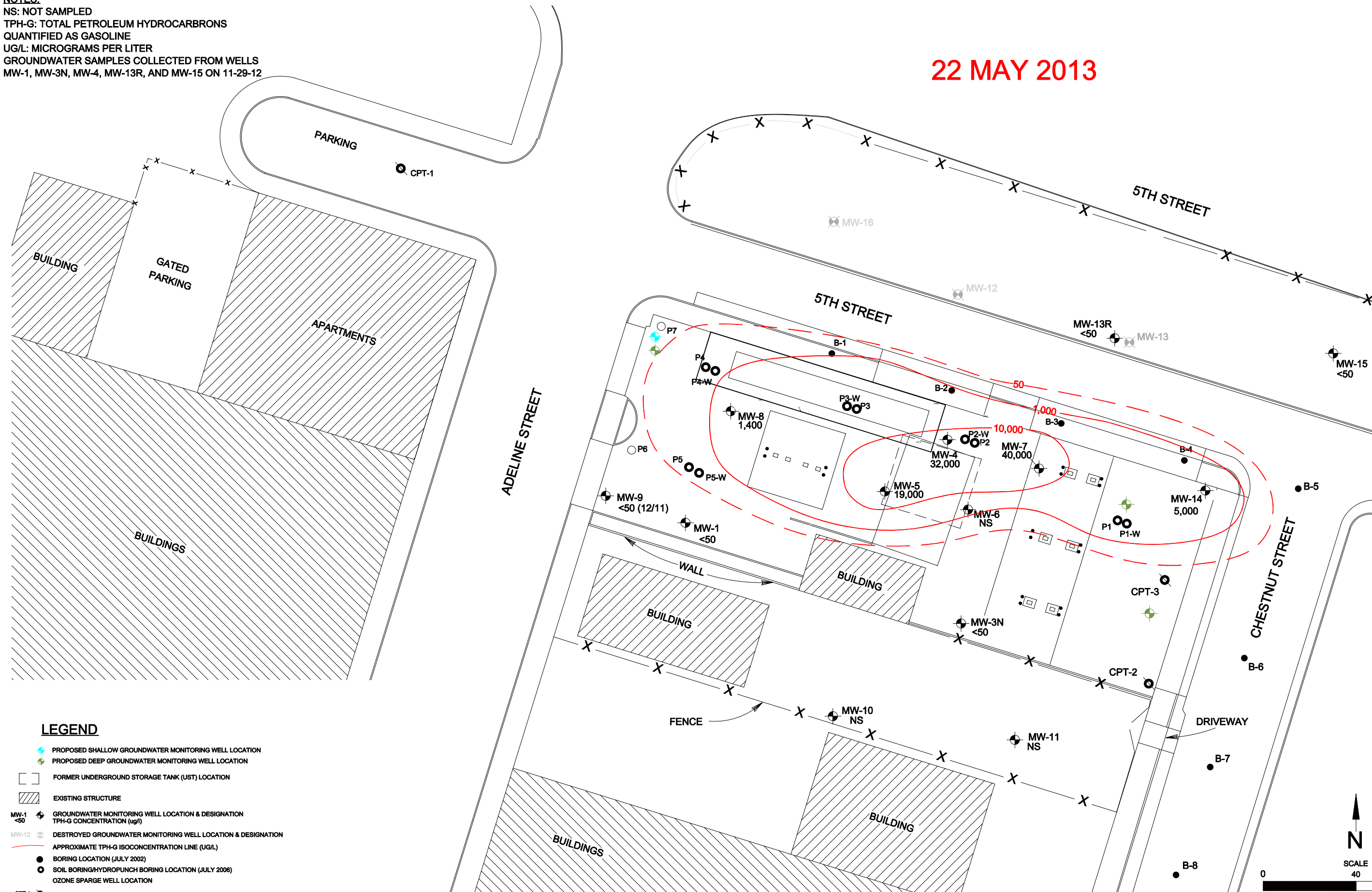
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FIGURE: 3



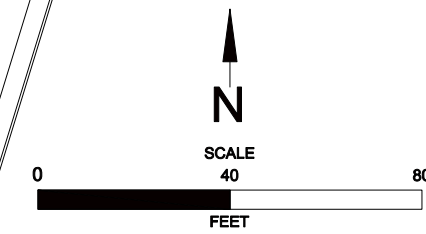
NOTES:
 NS: NOT SAMPLED
 TPH-G: TOTAL PETROLEUM HYDROCARBONS
 QUANTIFIED AS GASOLINE
 UG/L: MICROGRAMS PER LITER
 GROUNDWATER SAMPLES COLLECTED FROM WELLS
 MW-1, MW-3N, MW-4, MW-13R, AND MW-15 ON 11-29-12

22 MAY 2013



LEGEND

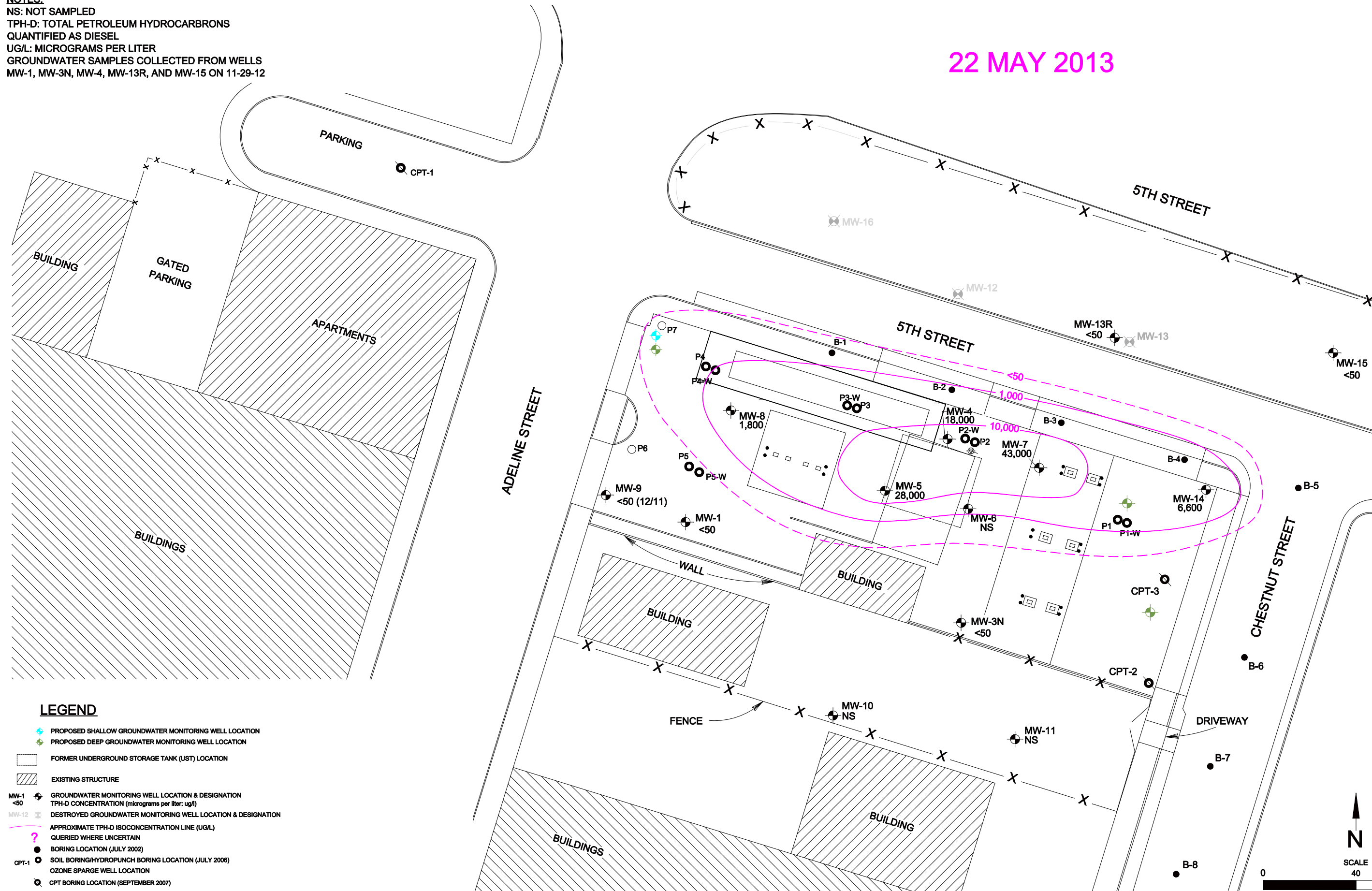
- PROPOSED SHALLOW GROUNDWATER MONITORING WELL LOCATION
- PROPOSED DEEP GROUNDWATER MONITORING WELL LOCATION
- FORMER UNDERGROUND STORAGE TANK (UST) LOCATION
- EXISTING STRUCTURE
- GROUNDWATER MONITORING WELL LOCATION & DESIGNATION
 MW-1 <50
 TPH-G CONCENTRATION (ug/l)
- DESTROYED GROUNDWATER MONITORING WELL LOCATION & DESIGNATION
 MW-12
- APPROXIMATE TPH-G ISOCONCENTRATION LINE (UG/L)
- BORING LOCATION (JULY 2002)
- SOIL BORING/HYDROPUNCH BORING LOCATION (JULY 2006)
- OZONE SPARGE WELL LOCATION
- CPT-1
 CPT BORING LOCATION (SEPTEMBER 2007)



ESTIMATED LATERAL EXTENT OF DISSOLVED TPH-G
RINO PACIFIC/OAKLAND TRUCK STOP
1107 5TH STREET
OAKLAND, CALIFORNIA

NOTES:
 NS: NOT SAMPLED
 TPH-D: TOTAL PETROLEUM HYDROCARBONS
 QUANTIFIED AS DIESEL
 UG/L: MICROGRAMS PER LITER
 GROUNDWATER SAMPLES COLLECTED FROM WELLS
 MW-1, MW-3N, MW-4, MW-13R, AND MW-15 ON 11-29-12

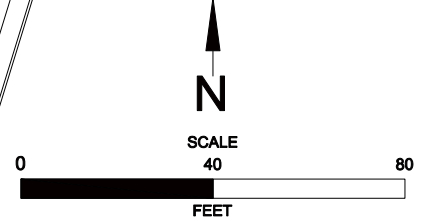
22 MAY 2013



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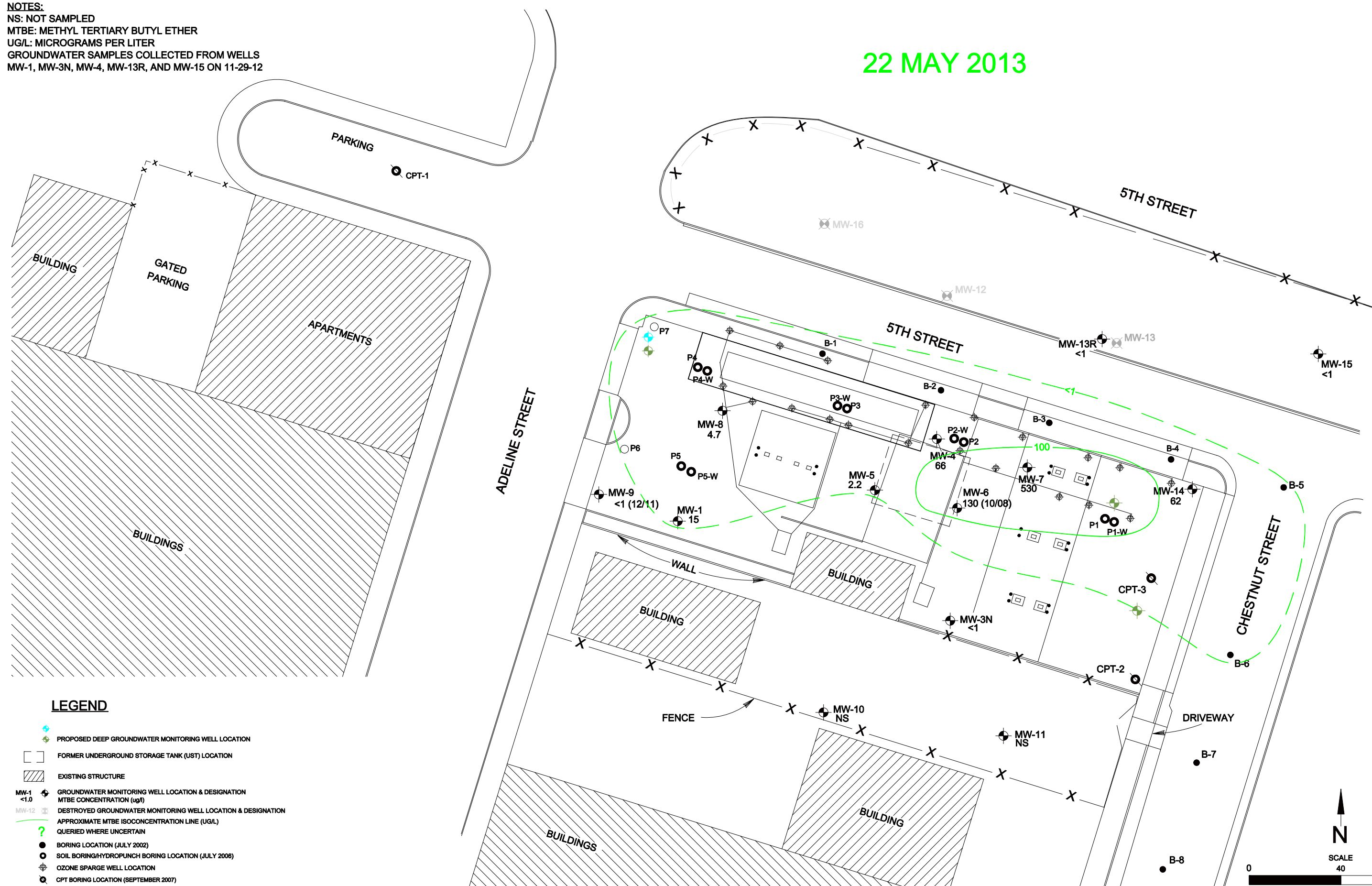
- PROPOSED SHALLOW GROUNDWATER MONITORING WELL LOCATION
- PROPOSED DEEP GROUNDWATER MONITORING WELL LOCATION
- FORMER UNDERGROUND STORAGE TANK (UST) LOCATION
- EXISTING STRUCTURE
- GROUNDWATER MONITORING WELL LOCATION & DESIGNATION
 TPH-D CONCENTRATION (micrograms per liter: ug/l)
 <50
- DESTROYED GROUNDWATER MONITORING WELL LOCATION & DESIGNATION
- APPROXIMATE TPH-D ISOCONCENTRATION LINE (UG/L)
- QUERIED WHERE UNCERTAIN
- BORING LOCATION (JULY 2002)
- SOIL BORING/HYDROPUNCH BORING LOCATION (JULY 2006)
- OZONE SPARGE WELL LOCATION
- CPT BORING LOCATION (SEPTEMBER 2007)

ESTIMATED LATERAL EXTENT OF DISSOLVED TPH-D
 RINO PACIFIC/OAKLAND TRUCK STOP
 1107 5TH STREET
 OAKLAND, CALIFORNIA



NOTES:
 NS: NOT SAMPLED
 MTBE: METHYL TERTIARY BUTYL ETHER
 UG/L: MICROGRAMS PER LITER
 GROUNDWATER SAMPLES COLLECTED FROM WELLS
 MW-1, MW-3N, MW-4, MW-13R, AND MW-15 ON 11-29-12

22 MAY 2013

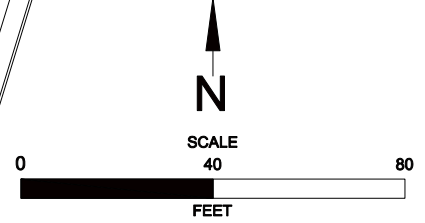


LEGEND

- PROPOSED DEEP GROUNDWATER MONITORING WELL LOCATION
- PROPOSED DEEP GROUNDWATER MONITORING WELL LOCATION
- FORMER UNDERGROUND STORAGE TANK (UST) LOCATION
- EXISTING STRUCTURE
- GROUNDWATER MONITORING WELL LOCATION & DESIGNATION
MW-1 <1.0 MTBE CONCENTRATION (ug/l)
- DESTROYED GROUNDWATER MONITORING WELL LOCATION & DESIGNATION
MW-12
- APPROXIMATE MTBE ISOCONCENTRATION LINE (UG/L)
? QUERIED WHERE UNCERTAIN
- BORING LOCATION (JULY 2002)
- SOIL BORING/HYDROPUNCH BORING LOCATION (JULY 2006)
- OZONE SPARGE WELL LOCATION
- CPT BORING LOCATION (SEPTEMBER 2007)

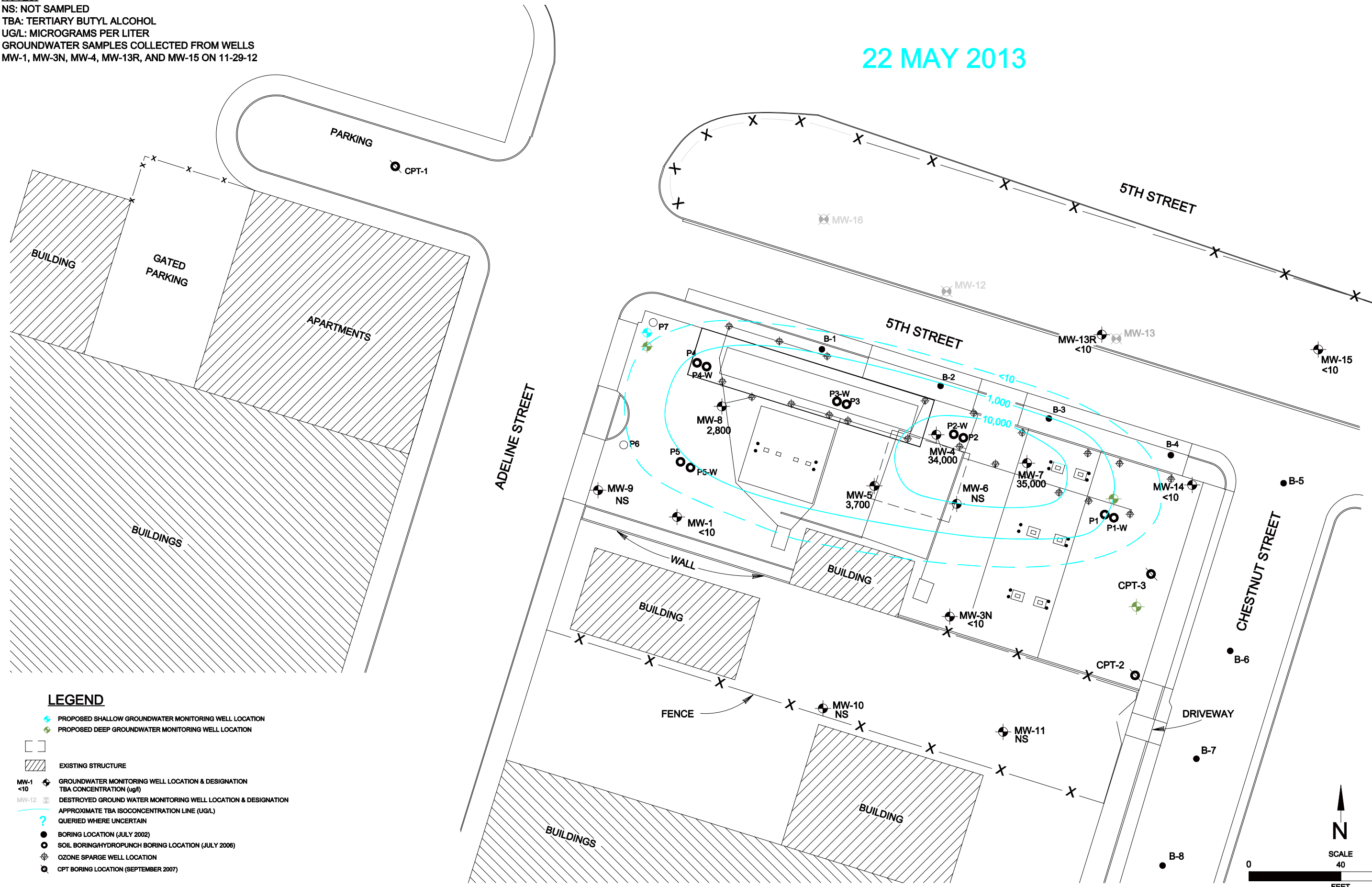
ESTIMATED LATERAL EXTENT OF DISSOLVED MTBE
RINO PACIFIC/OAKLAND TRUCK STOP
1107 5TH STREET
OAKLAND, CALIFORNIA

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 PROJECT NO. AGE-08-1101
 DATE: MAY 2013
 FILE: MTBE
 DRAWN BY: MAC
 FIGURE: 6



NOTES:
 NS: NOT SAMPLED
 TBA: TERTIARY BUTYL ALCOHOL
 UG/L: MICROGRAMS PER LITER
 GROUNDWATER SAMPLES COLLECTED FROM WELLS
 MW-1, MW-3N, MW-4, MW-13R, AND MW-15 ON 11-29-12

22 MAY 2013



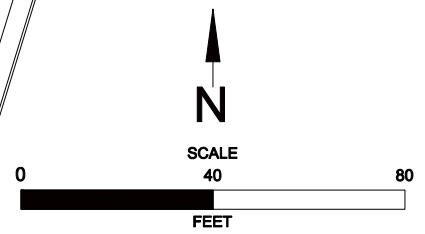
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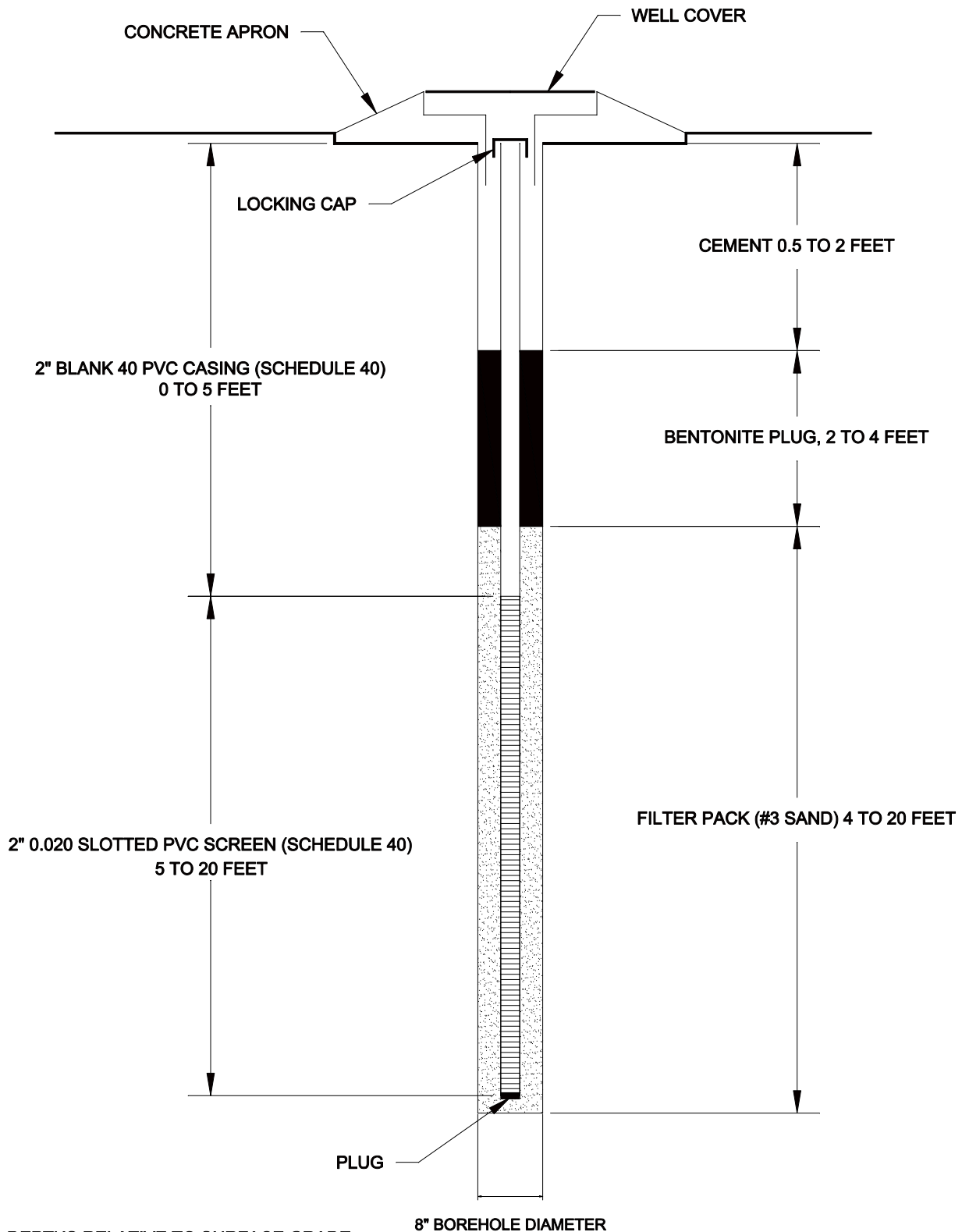
- PROPOSED SHALLOW GROUNDWATER MONITORING WELL LOCATION
- PROPOSED DEEP GROUNDWATER MONITORING WELL LOCATION
- EXISTING STRUCTURE
- GROUNDWATER MONITORING WELL LOCATION & DESIGNATION
TBA CONCENTRATION (ug/l)
- DESTROYED GROUND WATER MONITORING WELL LOCATION & DESIGNATION
- APPROXIMATE TBA ISOCONCENTRATION LINE (UG/L)
- QUERIED WHERE UNCERTAIN
- BORING LOCATION (JULY 2002)
- SOIL BORING/HYDROPUNCH BORING LOCATION (JULY 2006)
- OZONE SPARGE WELL LOCATION
- CPT BORING LOCATION (SEPTEMBER 2007)

ESTIMATED LATERAL EXTENT OF DISSOLVED TBA
RINO PACIFIC/OAKLAND TRUCK STOP
1107 5TH STREET
OAKLAND, CALIFORNIA

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PROJECT NO. AGE-08-1101
 FILE: TBA
 DATE: MAY 2013
 DRAWN BY: MAC
 FIGURE: 7





ALL DEPTHS RELATIVE TO SURFACE GRADE
NOT TO SCALE

PROPOSED SHALLOW MONITORING WELL DESIGN
RINO PACIFIC/OAKLAND TRUCK STOP
1107 5TH STREET
OAKLAND, CALIFORNIA



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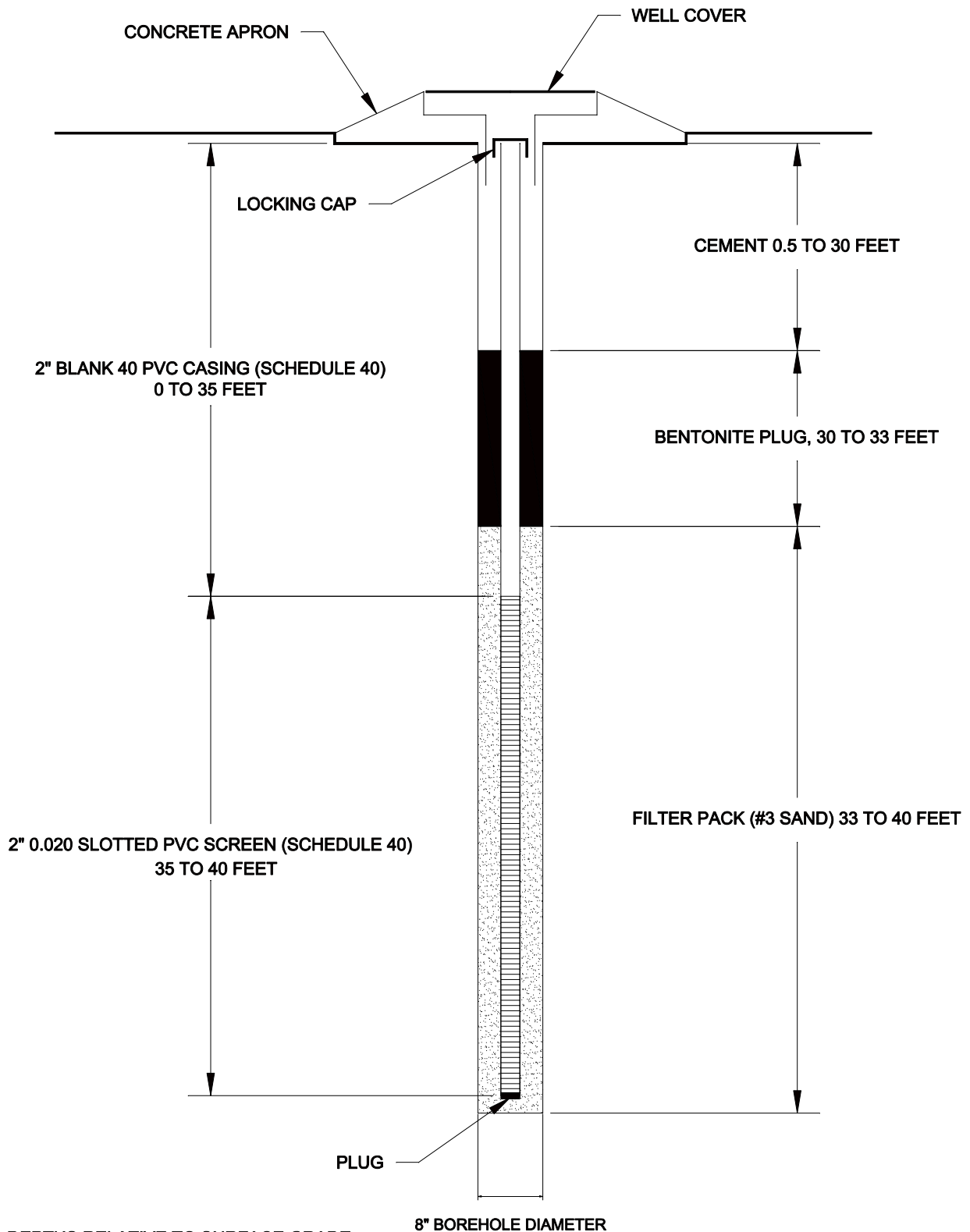
FILE: SHWELL

FIGURE:

DATE: SEPTEMBER 2013

DRAWN BY: MAC

8



ALL DEPTHS RELATIVE TO SURFACE GRADE
NOT TO SCALE

PROPOSED DEEP MONITORING WELL DESIGN
RINO PACIFIC/OAKLAND TRUCK STOP
1107 5TH STREET
OAKLAND, CALIFORNIA

 Advanced GeoEnvironmental, Inc. www.advgeoenv.com		FIGURE:
PROJECT NO. AGE-03-1101	FILE: DEEPWELL	9
DATE: SEPTEMBER 2013	DRAWN BY: MAC	

TABLES

TABLE 1
WELL CONSTRUCTION DETAILS
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California

Well ID	Installation Date	Borehole Diameter (inch)	Total Depth (feet)	Casing Diameter (inch)	Casing Material	Slot Size (inch)	Filter Pack	Casing Elevation (feet MSL) ¹	Screen Interval (feet bsg)	Filter Pack Interval (feet bsg)	Bentonite Interval (feet bsg)	Grout Interval (feet bsg)
GROUND WATER MONITORING WELLS												
MW-1	11-1996	8	21	2	PVC	0.020	#3	10.02	10 to 20	9 to 20	7 to 9	0.5 to 7
MW-2	11-1996	8	14	2	PVC	0.020	#3	-	8 to 13	7 to 14	5 to 7	0.5 to 5
MW-3	11-1996	8	17	2	PVC	0.020	#3	-	12 to 17	11 to 17	9 to 11	0.5 to 9
MW-3N	05-2002	8	14	2	PVC	0.010	#2/12	11.36	5 to 12	3 to 12	2 to 3	0.5 to 2
MW-4	08-2000	8	20.5	2	PVC	0.010	#2/12	10.16	5 to 20.5	4 to 20.5	3 to 4	0.5 to 3
MW-5	08-2000	8	20.5	2	PVC	0.010	#2/12	10.19	5 to 20.5	4 to 20.5	3 to 4	0.5 to 3
MW-6	08-2000	8	20.5	2	PVC	0.010	#2/12	10.33	5 to 20.5	4 to 20.5	3 to 4	0.5 to 3
MW-7	08-2000	8	20.5	2	PVC	0.010	#2/12	11.41	5 to 20.5	4 to 20.5	3 to 4	0.5 to 3
MW-8	08-2000	8	20.5	2	PVC	0.010	#2/12	9.73	5 to 20.5	4 to 20.5	3 to 4	0.5 to 3
MW-9	08-2000	8	20.5	2	PVC	0.010	#2/12	9.73	5 to 20.5	4 to 20.5	3 to 4	0.5 to 3
MW-10	05-2002	8	12	2	PVC	0.010	#2/12	9.42	5 to 12	3 to 12	2 to 3	0.5 to 2
MW-11	05-2002	8	28	2	PVC	0.010	#2/12	10.77	5 to 12	3 to 12	2 to 3	0.5 to 2
MW-12	10-2004	8	20	2	PVC	0.020	#2/12	10.59	5 to 20	4 to 20	1.5 to 4	0.5 to 1.5
MW-13	10-2004	8	20	2	PVC	0.020	#2/12	11.29	5 to 20	4 to 20	1.5 to 4	0.5 to 1.5
MW-14	10-2004	8	20	2	PVC	0.020	#2/12	11.39	5 to 20	4 to 20	1.5 to 4	0.5 to 1.5
MW-15	09-20-2007	8	20.5	2	PVC	0.010	#2/12	11.38	5 to 20	3 to 20.5	2 to 3	0.5 to 2
MW-16	09-20-2007	8	20.5	2	PVC	0.010	#2/12	10.36	5 to 20	3 to 20.5	2 to 3	0.5 to 2
MW-13R	10-04-2011	8	20	2	PVC	0.020	#3	11.56	5 to 20	4 to 20	2 to 4	0.5 to 2

TABLE 1
WELL CONSTRUCTION DETAILS
 Rino Pacific/Oakland Truck Stop
 1107 5th Street, Oakland, California

REMEDIATION WELLS											
Well ID	Installation Date	Borehole Diameter (inch)	Total Depth	Blank Casing Diameter (inch)	Casing Material	Micro-sparge diameter (inch)	Filter Pack	Sparge Interval	Filter Pack Interval (feet bsg)	Bentonite Interval (feet bsg)	Grout Interval (feet bsg)
OZ-1 thru OZ10	03-2004	8	12.5	1	PVC	2	#2/12	10 to 12	9 to 12.5	-	-
OZ-11 thru OZ20	10-2004	8	15	1	PVC	2	#2/12	11 to 13	9 to 15	7 to 9	1.5 to 7
OZ6R	7/19/2007	8	14	1	PVC	2	#3	11 to 13	9 to 14	6 to 9	1 to 6
OZ7R	7/19/2007	8	14	1	PVC	2	#3	11 to 13	9 to 14	6 to 9	1 to 6
OZ10R	7/19/2007	8	14	1	PVC	2	#3	11 to 13	9 to 14	6 to 9	1 to 6
OZ16R	7/19/2007	8	14	1	PVC	2	#3	11 to 13	9 to 14	6 to 9	1 to 6
OZ17R	7/19/2007	8	14	1	PVC	2	#3	11 to 13	9 to 14	6 to 9	1 to 6
DESTROYED WELLS											
Well ID	Date Destroyed										
MW-2	12-30-1998										
MW-3	02-15-2002										
OZ-6	04-2007										
OZ-7	04-2007										
OZ-10	04-2007										
OZ-16	04-2007										
OZ-17	04-2007										
MW-12	10-4-2011										
MW-13	10-4-2011										
MW-16	2011										

Notes:

MSL: mean sea level

bsg: below surface grade

MW: monitoring well

OZ: ozone sparge well

Casing elevations re-surveyed 02/02 2007.

MW-4, MW-15 and MW-16 surveyed on 30 November 2007. Performed by Morrow Surveying, Inc. relative to vertical datum NAVD 88 from GPS observations.

Casing elevations re-surveyed 12/01 2011 by Morrow Surveying Inc.

- : Indicates data is not known

TABLE 2
GROUNDWATER ELEVATION DATA
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(feet)

Well I.D. (Screen Interval) Casing Elevation	Date	Depth to Ground Water (ft btoc)	Ground Water Elevation (ft MSL)
10.34'	10/21/96	5.08	5.26
	11/04/96	3.02	7.32
	03/04/97	2.28	8.06
	06/12/97	4.80	5.54
	07/14/97	2.66	7.68
	09/09/97	2.45	7.89
	09/19/97	2.60	7.74
	02/13/98	2.76	7.58
	07/07/98	2.15	8.19
	10/01/98	3.63	6.71
	12/30/98	4.40	5.94
	03/21/00	2.62	7.72
	08/30/00	3.21	7.13
	11/06/00	3.10	7.24
	02/22/01	3.50	6.84
	05/07/01	2.94	7.40
	08/22/01	3.70	6.64
	11/04/01	3.89	6.45
MW-1 (10 - 20 ft bsg)	02/15/02	2.95	7.39
	05/20/02	3.39	7.05
	08/01/02	3.51	6.83
	11/11/02	4.00	6.34
	02/12/03	3.40	6.94
	05/12/03	3.65	6.69
	08/12/03	3.04	7.30
	01/09/04	4.64	5.70
	04/14/04	6.45	3.89
	07/21/04	3.55	6.79
	10/20/04	4.00	6.34
	03/19/05	2.54	7.80
	06/25/05	2.76	7.58
	09/17/05	3.88	6.46
	12/26/05	3.83	6.51
	03/26/06	4.09	6.25
	06/03/06	2.91	7.43
	08/30/06	3.62	6.72
	12/04/06	3.98	6.04

TABLE 2
GROUNDWATER ELEVATION DATA
 Rino Pacific/Oakland Truck Stop
 1107 5th Street, Oakland, California
 (feet)

Well I.D. (Screen Interval) Casing Elevation	Date	Depth to Ground Water (ft btoc)	Ground Water Elevation (ft MSL)
10.02** MW-1 (10 - 20 ft bsg)	02/28/07	2.90	7.12
	05/29/07	3.84	6.18
	08/20/07	4.21	5.81
	10/25/07	3.75	6.27
	01/25/08	3.60	6.42
	04/30/08	3.93	6.09
	07/30/08	4.19	5.83
	10/23/08	4.57	5.45
	03/26/09	3.64	6.38
	06/05/09	3.80	6.22
	09/09/09	noacc	-
	11/12/09	3.63	6.39
	02/18/10	3.20	6.82
	05/17/10	3.28	6.74
	11/23/10	3.11	6.91
	05/20/11	3.47	6.55
	12/01/11	4.18	5.84
	05/23/12	3.70	6.32
11/29/12	3.32	6.70	

TABLE 2
GROUNDWATER ELEVATION DATA
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(feet)

Well I.D. (Screen Interval) Casing Elevation	Date	Depth to Ground Water (ft btoc)	Ground Water Elevation (ft MSL)
11.67'	05/20/02	3.91	7.76
	08/01/02	4.22	7.45
	11/11/02	4.42	7.25
	02/12/03	3.71	7.96
	05/12/03	3.49	8.18
	08/12/03	4.18	7.49
	01/09/04	3.78	7.89
	04/14/04	4.01	7.66
	07/21/04	4.90	6.77
	10/20/04	5.28	6.39
	03/19/05	3.10	8.57
MW-3N (5 - 12 ft bsg)	06/25/05	3.10	8.57
	06/25/05	3.83	7.84
	09/17/05	4.94	6.73
	12/26/05	3.64	8.03
	03/23/06	2.86	8.81
	06/03/06	3.45	8.22
	08/30/06	4.78	6.89
	12/04/06	4.90	6.46
	02/28/07	3.36	8.00
	05/29/07	4.55	6.81
	08/20/07	5.40	5.96
11.36*	10/25/07	4.97	6.39
	01/25/08	3.69	7.67
	04/30/08	4.69	6.67
	07/30/08	4.44	6.92
	10/23/08	5.98	5.38
	03/26/09	3.70	7.66
	06/05/09	4.68	6.68
	09/09/09	5.43	5.93
	11/12/09	4.66	6.70
	02/18/10	3.58	7.78
	05/17/10	4.01	7.35
	11/23/10	4.49	6.87
	05/20/11	4.30	7.06
	12/01/11	5.00	6.36
	05/23/12	4.22	7.14
	11/29/12	4.27	7.09

TABLE 2
GROUNDWATER ELEVATION DATA
 Rino Pacific/Oakland Truck Stop
 1107 5th Street, Oakland, California
 (feet)

Well I.D. (Screen Interval) Casing Elevation	Date	Depth to Ground Water (ft btoc)	Ground Water Elevation (ft MSL)
10.46'	08/30/00	3.74	6.72
	11/06/00	3.85	6.61
	02/22/01	4.66	5.80
	05/07/01	2.66	7.80
	08/22/01	4.13	6.33
	11/04/01	4.53	5.93
	02/15/02	3.62	6.84
	05/20/02	3.65	6.81
	08/01/02	4.25	6.21
	11/11/02	4.85	5.61
	02/12/03	4.24	6.22
	05/12/03	4.20	6.26
	08/12/03	4.47	5.99
	01/09/04	3.92	6.54
MW-4 (5 - 20 ft bsg)	04/14/04	4.04	6.42
	07/21/04	4.55	5.91
	10/20/04	4.89	5.57
	03/19/05	3.51	6.95
	06/25/05	4.58	5.88
	09/17/05	4.54	5.92
	12/26/05	4.66	5.80
	03/23/06	3.80	6.66
	06/03/06	3.84	6.62
	08/30/06	4.75	5.71
	12/04/06	4.91	5.25
	02/28/07	4.18	5.98
	05/29/07	4.28	5.88
	08/20/07	4.82	5.34
	10/25/07	4.36	5.80
10.16*	01/25/08	3.75	6.41
	04/30/08	4.52	5.64
	07/30/08	4.76	5.40
	10/23/08	4.96	5.20
	03/26/09	4.39	5.77
	06/05/09	4.60	5.56
	09/09/09	4.74	5.42
	11/12/09	4.46	5.70
	02/18/10	4.15	6.01
	05/17/10	4.26	5.90
	11/23/10	5.56	4.60
	05/20/11	4.29	5.87
9.93**	12/01/11	4.50	5.43
	05/23/12	4.34	5.59
	11/29/12	4.15	5.78

TABLE 2
GROUNDWATER ELEVATION DATA
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(feet)

Well I.D. (Screen Interval) Casing Elevation	Date	Depth to Ground Water (ft btoc)	Ground Water Elevation (ft MSL)
10.24'	08/30/00	3.01	7.23
	11/06/00	3.35	6.89
	02/22/01	3.00	7.24
	05/07/01	2.73	7.51
	08/22/01	3.88	6.36
	11/04/01	3.95	6.29
	02/15/02	2.84	7.40
	05/20/02	2.86	7.38
	08/01/02	3.21	7.03
MW-5 (5 - 20 ft bsg)	11/11/02	4.04	6.20
	02/12/03	3.12	7.12
	05/12/03	3.18	7.06
	08/12/03	3.75	6.49
	01/09/04	3.18	7.06
	04/14/04	3.15	7.09
	07/21/04	4.00	6.24
	10/20/04	4.49	5.75
	03/19/05	2.39	7.85
	06/25/05	2.77	7.47
10.19*	09/17/05	3.91	6.33
	12/26/05	3.46	6.78
	03/23/06	2.44	7.80
	06/03/06	2.55	7.69
	08/30/06	3.85	6.39
	12/04/06	4.37	5.82
	02/28/07	3.31	6.88
	05/29/07	4.45	5.74
	08/20/07	4.75	5.44
	10/25/07	4.21	5.98
	01/25/08	3.75	6.44
	04/30/08	4.33	5.86
	07/30/08	4.75	5.44
	10/23/08	5.01	5.18
	03/26/09	3.96	6.23
	06/05/09	4.34	5.85
	09/09/09	4.71	5.48
	11/12/09	4.35	5.84
	02/18/10	4.06	6.13
	05/17/10	4.08	6.11
	11/23/10	3.91	6.28
	05/20/11	4.13	6.06
	12/01/11	4.55	5.64
	05/23/12	4.24	5.95
	11/29/12	4.02	6.17

TABLE 2
GROUNDWATER ELEVATION DATA
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(feet)

Well I.D. (Screen Interval) Casing Elevation	Date	Depth to Ground Water (ft btoc)	Ground Water Elevation (ft MSL)
10.62'	08/30/00	3.40	7.22
	11/06/00	3.72	6.90
	02/22/01	3.34	7.28
	05/07/01	3.08	7.54
	08/22/01	3.77	6.85
	11/04/01	4.33	6.29
	02/15/02	3.22	7.40
	05/20/02	3.24	7.38
	08/01/02	3.60	7.02
	11/11/02	4.41	6.21
	02/12/03	3.52	7.10
	05/12/03	3.34	7.28
	08/12/03	3.91	6.71
	01/09/04	3.35	7.27
MW-6 (5 - 20 ft bsg)	04/14/04	3.40	7.22
	07/21/04	4.21	6.41
	10/20/04	4.63	5.99
	03/19/05	2.54	8.08
	06/25/05	2.92	7.70
	09/17/05	4.06	6.56
	12/26/05	3.63	6.99
	03/23/06	2.60	8.02
	06/03/06	2.71	7.91
	08/30/06	4.02	6.60
	12/04/06	4.54	5.79
	02/28/07	3.49	6.84
	05/29/07	4.60	5.73
	08/20/07	4.90	5.58
10.33**	10/25/07	4.36	5.97
	01/25/08	3.92	6.41
	04/30/08	4.49	5.84
	07/30/08	4.87	5.46
	10/23/08	5.18	5.15
	03/26/09	4.08	6.25
	06/05/09	4.50	5.83
	09/09/09	4.87	5.46
	11/12/09	4.50	5.83
	02/18/10	3.95	6.38
	05/17/10	4.23	6.10
	05/20/11	4.30	6.03
	12/01/11	4.60	5.73
	05/23/12	4.41	5.92
	11/29/12	4.18	6.15

TABLE 2
GROUNDWATER ELEVATION DATA
 Rino Pacific/Oakland Truck Stop
 1107 5th Street, Oakland, California
 (feet)

Well I.D. (Screen Interval) Casing Elevation	Date	Depth to Ground Water (ft btoc)	Ground Water Elevation (ft MSL)
11.69'	08/30/00	6.72	4.97
	11/06/00	6.85	4.84
	02/22/01	6.00	5.69
	05/07/01	6.35	5.34
	08/22/01	6.86	4.84
	11/04/01	6.66	5.03
	02/15/02	6.45	5.24
	05/20/02	6.59	5.10
	08/01/02	6.72	4.97
	11/11/02	6.61	5.08
	02/12/03	5.64	6.05
	05/12/03	5.68	6.01
	08/12/03	6.24	5.45
MW-7 (5 - 20 ft bsg)	01/09/04	5.65	6.04
	04/14/04	6.40	5.29
	07/21/04	6.31	5.38
	10/20/04	6.42	5.27
	03/19/05	5.48	6.21
	06/25/05	6.00	5.69
	09/17/05	6.55	5.14
	12/26/05	5.57	6.12
	03/23/06	5.47	6.22
	06/03/06	5.62	6.07
	08/30/06	6.17	5.52
	12/04/06	6.38	5.03
	02/28/07	6.11	5.30
	05/29/07	6.25	5.16
	08/20/07	6.65	4.76
11.41**	10/25/07	6.55	4.86
	01/25/08	6.30	5.11
	04/30/08	6.54	4.87
	07/30/08	6.50	4.91
	10/23/08	6.67	4.74
	03/26/09	5.91	5.50
	06/05/09	6.35	5.06
	09/09/09	6.73	4.68
	11/12/09	6.47	4.94
	02/18/10	5.97	5.44
	05/17/10	5.74	5.67
	11/23/10	6.05	5.36
	05/20/11	5.65	5.76
	12/01/11	6.54	4.87
	05/23/12	5.74	5.67
	11/29/12	5.96	5.45

TABLE 2
GROUNDWATER ELEVATION DATA
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(feet)

Well I.D. (Screen Interval) Casing Elevation	Date	Depth to Ground Water (ft btoc)	Ground Water Elevation (ft MSL)
10.06'	08/30/00	3.06	7.00
	11/06/00	2.98	7.08
	02/22/01	2.46	7.60
	05/07/01	2.76	7.30
	08/22/01	3.56	6.50
	11/04/01	3.76	6.30
	02/15/02	2.72	7.34
	05/20/02	2.82	7.24
	08/01/02	3.06	7.00
	11/11/02	3.54	6.52
9.73**	02/12/03	3.07	6.99
	05/12/03	2.69	7.37
	08/12/03	3.10	6.96
	01/09/04	2.85	7.21
	04/14/04	3.45	6.61
	07/21/04	4.56	5.50
	10/20/04	4.72	5.34
	03/19/05	3.31	6.75
	06/25/05	3.05	7.01
	09/17/05	4.22	5.84
	12/26/05	3.24	6.82
	03/23/06	2.67	7.39
	06/03/06	2.63	7.43
	08/30/06	3.56	6.50
	12/04/06*	3.81	5.92
	02/28/07	3.06	6.67
	05/29/07	3.77	5.96
	08/20/07	4.21	5.52
	10/25/07	3.96	5.77
	01/25/08	2.97	6.76
04/30/08	3.85	5.88	
07/30/08	4.16	5.57	
10/23/08	4.48	5.25	
03/26/09	3.25	6.48	
06/05/09	3.70	6.03	
09/09/09	4.10	5.63	
11/12/09	3.79	5.94	
02/18/10	3.19	6.54	
05/17/10	3.30	6.43	
11/23/10	3.21	6.52	
05/20/11	3.45	6.28	
12/01/11	3.76	5.97	
05/23/12	3.40	6.33	
11/29/12	3.33	6.40	
MW-8 (5 - 20 ft bsg)			

TABLE 2
GROUNDWATER ELEVATION DATA
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(feet)

Well I.D. (Screen Interval) Casing Elevation	Date	Depth to Ground Water (ft btoc)	Ground Water Elevation (ft MSL)
10.03'	08/30/00	2.81	7.22
	11/06/00	2.68	7.35
	02/22/01	2.20	7.83
	05/07/01	2.75	7.28
	08/22/01	3.80	6.23
	11/04/01	3.61	6.42
	02/15/02	2.92	7.11
	05/20/02	2.38	7.65
MW-9 (5 - 20 ft bsg)	08/01/02	2.72	7.31
	11/11/02	2.87	7.16
	02/12/03	2.43	7.60
	05/12/03	2.41	7.62
	08/12/03	2.61	7.42
	01/09/04	2.87	7.16
	04/14/04	3.65	6.38
	07/21/04	3.70	6.33
9.73'	10/20/04	4.20	5.83
	03/19/05	3.75	6.28
	06/25/05	3.85	6.18
	09/17/05	3.38	6.65
	12/26/05	2.01	8.02
	03/23/06	2.50	7.53
	06/03/06	2.63	7.40
	08/30/06	3.35	6.68
	12/04/06	3.63	6.10
	02/28/07	2.61	7.12
	05/29/07	3.34	6.39
	08/20/07	3.82	5.91
	10/25/07	3.21	6.52
	01/25/08	2.62	7.11
	04/30/08	3.55	6.18
	07/30/08	4.05	5.68
	10/23/08	3.96	5.77
	03/26/09	3.21	6.52
	06/05/09	3.25	6.48
	09/09/09	noacc	-
	11/12/09	3.19	6.54
	02/18/10	2.82	6.91
	05/17/10	2.79	6.94
	11/23/10	2.81	6.92
	05/20/11	9.24	0.49
	12/01/11	3.20	6.53
	05/23/12	2.95	6.78
	11/29/12	2.59	7.14

TABLE 2
GROUNDWATER ELEVATION DATA
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(feet)

Well I.D. (Screen Interval) Casing Elevation	Date	Depth to Ground Water (ft btoc)	Ground Water Elevation (ft MSL)
11.07'	05/20/02	4.54	6.53
	06/18/02	4.25	6.82
	08/01/02	1.80	9.27
	11/11/02	1.50	9.57
	02/12/03	1.07	10.00
	05/12/03	1.01	10.06
	08/12/03	1.44	9.63
	01/09/04	0.90	10.17
	04/14/04	2.05	9.02
	07/21/04	2.78	8.29
	10/20/04	1.05	10.02
MW-10 (5 - 12 ft bsg)	03/19/05	0.75	10.32
	06/25/05	1.91	9.16
	09/17/05	2.90	8.17
	12/26/05	0.32	10.75
	03/23/06	0.76	10.31
	06/03/06	1.65	9.42
	08/30/06	2.70	8.37
	12/04/06	2.41	7.01
	02/28/07	0.30	9.12
	05/29/07	2.17	7.25
	08/20/07	3.04	6.38
9.42'*	10/25/07	2.23	7.19
	01/25/08	0.58	8.84
	04/30/08	2.28	7.14
	07/30/08	3.07	6.35
	10/23/08	3.62	5.80
	03/26/09	1.30	8.12
	06/05/09	2.13	7.29
	09/09/09	2.87	6.55
	11/12/09	1.88	7.54
	02/18/10	1.25	8.17
	05/17/10	1.53	7.89
	11/23/10	noacc	-
	05/20/11	noacc	-
	12/01/11	noacc	-
	05/23/12	1.62	7.80
	11/29/12	1.10	8.32

TABLE 2
GROUNDWATER ELEVATION DATA
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(feet)

Well I.D. (Screen Interval) Casing Elevation	Date	Depth to Ground Water (ft btoc)	Ground Water Elevation (ft MSL)	
9.64'	05/20/02	0.84	8.80	
	06/18/02	1.71	7.93	
	08/01/02	4.88	4.76	
	11/11/02	5.18	4.46	
	02/12/03	3.85	5.79	
	05/12/03	4.00	5.64	
	08/12/03	4.31	5.33	
	01/09/04	3.74	5.90	
	04/14/04	5.73	3.91	
	07/21/04	5.80	3.84	
	10/20/04	--	--	
	MW-11 (5 - 12 ft bsg)	03/19/05	4.81	4.83
		06/25/05	4.56	5.08
09/17/05		5.30	4.34	
12/26/05		5.11	4.53	
03/23/06		3.35	6.29	
06/03/06		3.65	5.99	
08/30/06		4.94	4.70	
12/04/06		5.43	5.34	
02/28/07		4.20	6.57	
05/29/07		4.75	6.02	
08/20/07		5.53	5.24	
10.77**		10/25/07	5.64	5.06
		01/25/08	4.46	6.31
		04/30/08	4.82	5.95
		07/30/08	5.48	5.29
		10/23/08	6.02	4.75
		03/26/09	3.98	6.79
		06/05/09	4.19	6.58
	09/09/09	5.59	5.18	
	11/12/09	5.05	5.72	
	02/18/10	4.08	6.69	
	05/17/10	3.61	7.16	
	11/23/10	noacc	-	
05/20/11	3.89	6.88		
12/01/11	4.93	5.84		
05/23/12	3.96	6.81		
11/29/12	4.76	6.01		

TABLE 2
GROUNDWATER ELEVATION DATA
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(feet)

Well I.D. (Screen Interval) Casing Elevation	Date	Depth to Ground Water (ft btoc)	Ground Water Elevation (ft MSL)
10.59** MW-12 (5 - 20 ft bsg)	10/20/04	5.41	--
	03/19/05	5.74	--
	06/25/05	5.23	--
	09/17/05	5.74	--
	12/26/05	4.37	--
	03/23/06	4.36	--
	06/03/06	5.12	--
	08/30/06	5.67	--
	12/04/06	5.83	4.76
	02/28/07	4.80	5.79
	05/29/07	5.62	4.97
	08/20/07	5.88	4.71
	10/25/07	5.50	5.09
	01/25/08	4.74	5.85
	04/30/08	5.56	5.03
	07/30/08	5.73	4.86
	10/23/08	6.00	4.59
	03/26/09	4.71	5.88
	06/05/09	5.37	5.22
	09/09/09	5.81	4.78
11/12/09	5.37	5.22	
02/18/10	4.57	6.02	
05/17/10	4.88	5.71	
11/23/10	noacc	-	
05/20/11	noacc	-	
MW-12 destroyed on 04 October 2011			
11.29** MW-13 (5 - 20 ft bsg)	10/20/04	5.67	--
	03/19/05	4.82	--
	06/25/05	5.78	--
	09/17/05	6.21	--
	12/26/05	4.25	--
	03/23/06	4.57	--
	06/03/06	5.60	--
	08/30/06	6.20	--
	12/04/06	6.33	4.96
	02/28/07	4.95	6.34
	05/29/07	6.02	5.27
	08/20/07	6.42	4.87
	10/25/07	6.21	5.08
	01/25/08	5.23	6.06
	04/30/08	6.17	5.12
	07/30/08	6.32	4.97
	10/23/08	6.51	4.78
	03/26/09	5.42	5.87
	06/05/09	5.98	5.31
	09/09/09	6.45	4.84
11/12/09	6.02	5.27	
02/18/10	5.07	6.22	
05/17/10	5.48	5.81	
11/23/10	noacc	-	
05/20/11	noacc	-	
MW-13 destroyed on 04 October 2011			

TABLE 2
GROUNDWATER ELEVATION DATA
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(feet)

Well I.D. (Screen Interval) Casing Elevation	Date	Depth to Ground Water (ft btoc)	Ground Water Elevation (ft MSL)
MW-13R (5 - 20 ft bsg) 11.56**	12/01/11	6.31	5.25
	05/23/12	5.82	5.74
	11/29/12	5.53	6.03
11.39** MW-14 (5 - 20 ft bsg)	10/20/04	6.36	--
	03/19/05	5.20	--
	06/25/05	5.56	--
	09/17/05	6.09	--
	12/26/05	5.50	--
	03/23/06	5.06	--
	06/03/06	5.39	--
	08/30/06	5.92	--
	12/04/06	6.15	5.24
	02/28/07	5.84	5.55
	05/29/07	5.97	5.42
	08/20/07	6.43	4.96
	10/25/07	6.37	5.02
	01/25/08	6.13	5.26
	04/30/08	6.42	4.97
	07/30/08	6.35	5.04
	10/23/08	6.56	4.83
	03/26/09	5.80	5.59
	06/05/09	6.25	5.14
	09/09/09	6.63	4.76
11/12/09	6.31	5.08	
02/18/10	5.75	5.64	
05/17/10	5.65	5.74	
11/23/10	6.00	5.39	
05/20/11	5.60	5.79	
12/01/11	6.30	5.09	
05/23/12	5.60	5.79	
11/29/12	5.90	5.49	
11.38* MW-15 (5 - 20 ft bsg)	10/05/07	6.14	5.24
	10/25/07	6.00	5.38
	01/25/08	5.76	5.62
	04/30/08	6.01	5.37
	07/30/08	5.98	5.40
	10/23/08	6.20	5.18
	03/26/09	5.45	5.93
	06/05/09	5.90	5.48
	09/09/09	6.28	5.10
	11/12/09	5.97	5.41
	02/18/10	5.45	5.93
	05/17/10	noacc	-
	11/23/10	noacc	-
	05/20/11	noacc	-
	11.36**	12/01/11	5.95
05/23/12		5.30	6.06
11/29/12		5.54	5.82

TABLE 2
GROUNDWATER ELEVATION DATA
 Rino Pacific/Oakland Truck Stop
 1107 5th Street, Oakland, California
 (feet)

Well I.D. (Screen Interval) Casing Elevation	Date	Depth to Ground Water (ft btoc)	Ground Water Elevation (ft MSL)
10.36* MW-16 (5 - 20 ft bsg)	10/05/07	5.85	4.51
	10/25/07	5.51	4.85
	01/25/08	4.71	5.65
	04/30/08	5.70	4.66
	07/30/08	5.64	4.72
	10/23/08	5.90	4.46
	03/26/09	4.80	5.56
	06/05/09	5.42	4.94
	09/09/09	5.70	4.66
	11/12/09	5.34	5.02
	02/18/10	4.72	5.64
	05/17/10	4.97	5.39
	11/23/10	noacc	-
	05/20/11	noacc	-
	MW-16 destroyed in 2011		

Notes:

- bsg: below surface grade
- : information not available
- *: Casing elevations re-surveyed 02/02 2007.
 MW-4, MW-15 and MW-16 surveyed on
 30 November 2007. Performed by Morrow
 Surveying, Inc. relative to vertical datum
 NAVD 88 from GPS observations.
- ** : Casing elevations re-surveyed 12/01 2011.
 Performed by Morrow
 Surveying, Inc. relative to vertical datum
 NAVD 88 from GPS observations.

TABLE 3
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(µg/l)

Sample ID	Date	8015M				8260B										8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE	
MW-1	11/04/96	ND	220	-	ND	ND	ND	ND	-	-	-	-	-	-	-	
	03/05/97	ND	230	-	ND	ND	ND	ND	-	-	-	-	-	-	-	
	06/12/97	ND	290	-	ND	ND	ND	ND	-	-	-	-	-	-	-	
	09/09/07	ND	180	-	ND	ND	ND	ND	-	-	-	-	-	-	-	
	02/13/98	ND	590	-	ND	ND	ND	ND	-	-	-	-	-	-	-	
	07/07/98	ND	1,400	2.7	ND	ND	ND	ND	-	-	-	-	-	-	-	
	10/01/98	ND	1,100	1.8	ND	ND	ND	ND	-	-	-	-	-	-	-	
	12/30/98	ND	1,700	2.3	ND	ND	ND	ND	-	-	-	-	-	-	-	
	03/21/00	220	3,100	4,800	11	ND	ND	ND	-	-	-	-	-	-	-	
	08/30/00	140	1,600	-	5.3	<0.5	<0.5	<0.5	-	-	-	-	-	-	2,900	
	11/06/00	51	1,500	2,100	1	<0.5	<0.5	<0.5	<50	<50	<50	<250	<50	<50	1,700	
	02/22/01	140	3,000	1,100	<0.5	<0.5	<0.5	<0.5	<20	<20	<20	<100	<20	<20	100	
	05/07/01	<50	3,800	1,100	<0.5	<0.5	<0.5	<0.5	<20	<20	<20	<100	<20	<20	780	
	08/22/01	<110	1,800	1,600	<0.5	<0.5	<0.5	<0.5	<25	<25	<25	<130	<25	<25	1,900	
	11/04/01	<50	1,300	1,500	<0.5	<0.5	<0.5	<0.5	<50	<50	<50	<250	<50	<50	1,600	
	02/15/02	<50	2,000	770	<0.5	<0.5	<0.5	<0.5	<20	<20	<20	<100	<20	<20	610	
	05/20/02	<50	160	730	<0.5	<0.5	<0.5	<0.5	<10	<10	<10	<100	<10	<10	570	
	08/01/02	<50	600	610	<0.5	<0.5	<0.5	<0.5	<10	<10	<10	<100	<10	<10	480	
11/11/02	<50	2,200	600	<0.5	<0.5	<0.5	<0.5	<10	<10	<10	<100	<10	<10	510		
02/12/03	<50	1,200	640	<0.5	<0.5	<0.5	<0.5	<10	<10	<10	<100	<10	<10	540		
05/12/03	<50	520	580	<0.5	<0.5	<0.5	<0.5	<10	<10	<10	<100	<10	<10	610		
08/11/03	<50	180	660	<0.5	<0.5	<0.5	<0.5	<12	<12	<12	<120	<12	<12	740		

TABLE 3
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(µg/l)

Sample ID	Date	8015M			8260B										8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-1	01/09/04	610	<50	590	<0.5	<0.5	<0.5	4.2	<1.0	<1.0	<1.0	<10	<1.0	<1.0	-
	04/14/04	730	<50	730	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<1.0	<1.0	-
	07/21/04	900	<50	620	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<1.0	<1.0	-
	10/20/04	<50	<50	60	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<1.0	<1.0	-
	03/19/05	100	<50	100	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<1.0	<1.0	-
	06/25/05	100	<50	100	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<1.0	<1.0	-
	09/17/05	100	<50	83	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<1.0	<1.0	-
	12/26/05	100	<50	86	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<1.0	<1.0	-
	03/23/06	<50	<50	13	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	06/03/06	<50	<50	16	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	08/30/06	<50	<50	7	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	12/04/06	<50	<50	63	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	62	<0.5	<0.5	-
	02/28/07	<50	<50	11	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	05/29/07	<50	<50	45	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	08/20/07	<50	<50	4.9	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	10/25/07	<50	<50	31	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	01/25/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	04/30/08	<50	8,800	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	07/30/08	<50	5,700	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	10/23/08	<50	3,300	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
11/12/09	<50	1,900	<1.0	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	<10	-	-	-	
11/23/10	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
12/01/11	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.5	-	-	<1.0	<10	-	-	-	
11/29/12	<50	<50	15	<0.5	<0.5	<0.5	<0.5	-	-	<1.0	<10	-	-	-	

TABLE 3
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(µg/l)

Sample ID	Date	8015M			8260B										8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-3N	05/20/02	<50	1,800	1,500	<0.5	<0.5	<0.5	<0.5	<25	<25	<25	<250	<25	<25	1,100
	08/01/02	<50	2,900	540	<0.5	<0.5	<0.5	<0.5	<10	<10	14	<100	<10	<10	350
	11/11/02	<50	1,100	270	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	7.1	<50	<5.0	<5.0	280
	02/12/03	<50	1,300	410	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	<5.0	<50	<5.0	<5.0	380
	05/12/03	<50	1,500	360	<0.5	<0.5	<0.5	<0.5	<6.2	<6.2	<6.2	<62	<6.2	<6.2	330
	08/11/03	<50	720	280	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	<5.0	<50	<5.0	<5.0	250
	01/09/04	230	<50	230	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	2.5	<10	<0.5	<0.5	-
	04/14/04	230	<50	220	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	07/21/04	400	<50	370	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	4.4	<10	<0.5	<0.5	-
	10/20/04	190	<50	180	3.5	<0.5	<0.5	5.2	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	03/19/05	300	<50	300	2.6	<0.5	<0.5	5.2	<1.0	<1.0	2.4	<10	<0.5	<0.5	-
	06/25/05	1,200	<50	1,100	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	330	<0.5	<0.5	-
	09/17/05	1,900	<50	1,100	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	770	<0.5	<0.5	-
	12/26/05	1,500	<50	930	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	520	<0.5	<0.5	-
	03/23/06	550	<50	110	<0.5	3.6	13	37.1	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	06/03/06	200	<50	150	<0.5	2.6	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	08/30/06	160	<50	130	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	12/04/06	900	<50	790	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	19	880	<0.5	<0.5	-
	02/28/07	<50	<50	97	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	05/29/07	170	<50	160	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	08/20/07	<50	<50	21	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	10/25/07	<50	<50	40	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	01/25/08	<50	<50	18	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
04/30/08	120	<50	110	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
07/30/08	<50	<50	40	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
10/23/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
11/12/09	<50	-	<1.0	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	<10	-	-	-	
11/23/10	<50	-	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
12/01/11	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.5	-	-	<1.0	<10	-	-	-	
11/29/12	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.5	-	-	<1.0	<10	-	-	-	

TABLE 3
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(µg/l)

Sample ID	Date	8015M				8260B										8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE	
MW-4	08/30/00	1,300	390	-	64	63	9.7	110	-	-	-	-	-	-	210,000	
	11/06/00	<3,300	170	120,000	80	<4.0	<5.0	<3.0	<2,500	<2,500	<2,500	<13,000	<2,500	<2,500	130,000	
	11/06/00†	<3,300	-	120,000	86	<4.0	<7.0	<6.0	<2,500	<2,500	<2,500	<13,000	<2,500	<2,500	130,000	
	02/22/01	<3,300	120	150,000	30	<3.0	<3.0	<3.0	<2,500	<2,500	<2,500	<13,000	<2,500	<2,500	120,000	
	05/07/01	<4,200	240	200,000	<20	<10.0	<5.0	<5.0	<5,000	<5,000	<5,000	<25,000	<5,000	<5,000	150,000	
	08/22/01	<5,400	300	190,000	<5.0	<5.0	<5.0	<5.0	<5,000	<5,000	<5,000	<25,000	<5,000	<5,000	160,000	
	11/04/01	<5,000	210	170,000	<5.0	<5.0	<5.0	<5.0	<2,500	<2,500	<2,500	<13,000	<2,500	<2,500	130,000	
	02/15/02	<5,000	340	160,000	<5.0	<5.0	<5.0	<10	<2,500	<2,500	<2,500	<12,500	<2,500	<2,500	160,000	
	05/20/02	<2,500	200	130,000	<25	<25	<25	<25	<1,700	<1,700	<1,700	<17,000	<1,700	<1,700	98,000	
	08/01/02	<2,500	200	100,000	<25	<25	<25	<25	<1,700	<1,700	<1,700	<17,000	<1,700	<1,700	89,000	
	11/11/02	<3,000	200	84,000	<25	<25	<25	<25	<1,700	<1,700	<1,700	<17,000	<1,700	<1,700	99,000	
	02/12/03	<2,500	88	70,000	<25	<25	<25	<25	<1,700	<1,700	<1,700	<17,000	<1,700	<1,700	78,000	
	05/12/03	<2,500	88	86,000	<25	<25	<25	<25	<1,700	<1,700	<1,700	<17,000	<1,700	<1,700	88,000	
	08/11/03	<2,500	66	74,000	<25	<25	<25	<25	<1,700	<1,700	<1,700	<17,000	<1,700	<1,700	77,000	
	01/09/04	50,000	<50	50,000	120	<0.5	<0.5	<0.6	<1.0	<1.0	85	<10	<0.5	<0.5	-	
	04/14/04	27,000	<50	27,000	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	07/21/04	27,000	<50	5,300	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	3.6	150,000	<0.5	<0.5	-	
	10/20/04	22,000	<50	840	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	110,000	<0.5	<0.5	-	
	03/19/05	3,500	<0.05	900	25	<0.5	<0.5	<0.6	<1.0	<1.0	4.6	2,900	<0.5	<0.5	-	
	06/25/05	3,000	<0.05	620	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	54,000	<0.5	<0.5	-	
09/17/05	3,200	<0.05	370	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	180,000	<0.5	<0.5	-		
09/24/05	In-situ Chemical Oxidation (Ozone injection) commences															

TABLE 3
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(µg/l)

Sample ID	Date	8015M			8260B										8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-4	12/26/05	3,000	<50	730	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	76,000	<0.5	<0.5	-
	03/23/06	300	<50	21	4.2	<0.5	2.1	2.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	06/03/06	110	<50	33	3.9	2.2	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	08/30/06	<50	<50	7.7	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	12/04/06	1,100	<50	68	<0.5	<0.5	<0.5	<0.6	18	<1.0	<1.0	6,300	<0.5	<0.5	-
	02/28/07	320	<50	23	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	05/29/07	800	<50	330	48	9.4	9.2	15	<1.0	<1.0	18	<10	<0.5	<0.5	-
	08/20/07	400	<50	74	<0.5	<0.5	<0.5	2.3	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	10/25/07	340	<50	90	<0.5	<0.5	<0.5	1.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	01/29/08	220	<50	150	10	<0.5	1.6	2.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	04/30/08	<50	7,600	<1	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	07/30/08	<50	5,500	<1	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	10/23/08	120	3,200	110	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	11/12/09	120	-	<1.0	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	<10	-	-	-
	11/23/10	22,000	-	86	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	120,000	<0.5	<0.5	-
12/01/11	11,000	8,900	30	<0.5	<0.5	<0.5	<0.5	-	-	<1.0	34,000	-	-	-	
11/29/12	32,000	18,000	66	<0.5	<0.5	<0.5	<0.5	-	-	<1.0	34,000	-	-	-	

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Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(µg/l)

Sample ID	Date	8015M				8260B										8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE	
MW-5	08/30/00	1,000	450	-	<5.0	<5.0	<5.0	<5.0	-	-	-	-	-	-	52,000	
	11/06/00	<1,000	520	42,000	<1.0	<1.0	<1.0	<1.0	<1,000	<1,000	<1,000	<5,000	<1,000	<1,000	44,000	
	02/22/01	<1,000	270	39,000	<1.0	<1.0	<1.0	<1.0	<500	<500	<500	<2,500	<500	<500	30,000	
	05/07/01	<1,800	470	59,000	<5.0	<2.0	<2.0	<2.0	<1,000	<1,000	<1,000	<5,000	<1,000	<1,000	48,000	
	08/22/01	<2,200	780	70,000	<3.0	<3.0	<3.0	<3.0	<1,000	<1,000	<1,000	<5,000	<1,000	<1,000	63,000	
	11/04/01	<1,700	670	37,000	<2.0	<2.0	<2.0	<2.0	<1,000	<1,000	<1,000	<5,000	<1,000	<1,000	44,000	
	02/15/02	<1,100	480	33,000	<1.0	<1.0	<1.0	<1.0	<1,250	<1,250	<1,250	<6,250	<1,250	<1,250	33,000	
	05/20/02	<500	1,600	28,000	<5.0	<5.0	<5.0	<5.0	<500	<500	<500	<5,000	<500	<500	21,000	
	08/01/02	<500	810	24,000	<5.0	<5.0	<5.0	<5.0	<500	<500	<500	<5,000	<500	<500	10,000	
	11/11/02	<500	2,100	8,800	<5.0	<5.0	<5.0	<5.0	<200	<200	<200	10,000	<200	<200	3,700	
	02/12/03	<170	2,900	3,200	30	<1.7	<1.7	<1.7	<100	<100	<100	4,100	<100	<100	19,000	
	05/12/03	<500	1,500	21,000	13	<5.0	<5.0	<5.0	<500	<500	<500	5,200	<500	<500	1,500	
	08/11/03	71	2,200	1,700	9.5	<0.5	<0.5	<0.5	<50	<50	<50	14,000	<50	<50	1,700	
	01/09/04	1,500	<50	1,500	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	04/14/04	500	<50	430	20	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	07/21/04	2,000	<50	320	2.2	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	15,000	<0.5	<0.5	-	
	10/20/04	1,900	<50	23	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	11,000	<0.5	<0.5	-	
	03/19/05	1,000	860	71	2.3	<0.5	5	40	<1.0	<1.0	<1.0	500	<0.5	<0.5	-	
	06/25/05	1,500	1,200	54	11	<0.5	3.6	37	<1.0	<1.0	<1.0	2,700	<0.5	<0.5	-	
	09/17/05	2,500	1,600	16	42	<0.5	<0.5	10	<1.0	<1.0	<1.0	12,000	<0.5	<0.5	-	
09/24/05	In-situ Chemical Oxidation (Ozone injection) commences															

TABLE 3
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(µg/l)

Sample ID	Date	8015M		8260B											8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-5	12/26/05	1,500	1,200	44	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	2,700	<0.5	<0.5	-
	03/23/06	<50	850	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	06/03/06	400	900	280	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	08/30/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	12/04/06	1,200	<50	22	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	2,200	<0.5	<0.5	-
	02/28/07	<50	<50	11	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	05/29/07	9,000	240,000	26	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	17	<10	<0.5	<0.5	-
	08/20/07	11,000	280,000	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	10/25/07	14,000	300,000	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	01/25/08	11,000	260,000	<1.0	<0.5	<0.5	1.4	4.4	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	04/30/08	14,000	73,000	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	07/30/08	11,000	68,000	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	10/23/08	7,600	63,000	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	03/26/09	9,400	75,000	<1.0	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	5,000	-	-	-
	06/05/09	22,000	95,000	54	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	<10	-	-	-
	09/09/09	20,000	91,000	<1.0	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	5,900	-	-	-
	11/12/09	6,900	20,000	<1.0	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	<10	-	-	-
	02/18/10	11,000	24,000	<1.0	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	<10	-	-	-
	05/17/10	8,200	19,000	<1.0	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	<10	-	-	-
	11/23/10	20,000	36,000	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	4,100	<0.5	<0.5	-
05/20/11	27,000	41,000	<1.0	<0.5	<0.5	<0.5	<0.5	-	-	<1.0	7,700	-	-	-	
12/01/11	20,000	33,000	<1.0	<0.5	<0.5	<0.5	<0.5	-	-	<1.0	2,500	-	-	-	
05/23/12	34,000	40,000	<1.0	5.0	9.0	3.4	17.5	-	-	<1.0	9,900	-	-	-	
11/29/12	26,000	33,000	<1.0	<0.5	<0.5	<0.5	<0.5	-	-	<1.0	8,600	-	-	-	

TABLE 3
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Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(µg/l)

Sample ID	Date	8015M				8260B										8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE	
MW-6	08/30/00	1,300	1,300	-	55	<0.5	16	27	-	-	-	-	-	-	23,000	
	11/06/00	<630	1,100	27,000	7	8.1	<3.0	5.2	<630	<630	<630	<3,200	<630	<630	26,000	
	02/22/01	<200	420	8,000	<5.0	<5.0	<5.0	<5.0	<100	<100	<100	<500	<100	<100	6,500	
	05/07/01	<1,000	900	40,000	<2.0	<2.0	<1.0	<1.0	<500	<500	<500	<2,500	<500	<500	37,000	
	08/22/01	<350	520	8,800	<2.0	<1.0	<0.5	<0.5	<200	<200	<200	<1,000	<200	<200	8,600	
	11/04/01	<500	420	17,000	<2.0	<2.0	<0.5	<0.5	<250	<250	<250	<1,300	<250	<250	12,000	
	02/15/02	<960	910	26,000	2.6	4.5	<1.0	4.2	<1,000	<1,000	<1,000	<5,000	<1,000	<1,000	23,000	
	05/20/02	<620	690	37,000	<6.2	<6.2	<6.2	<6.2	<500	<500	<500	<5,000	<500	<500	25,000	
	08/01/02	<250	1,100	9,100	8	<2.5	<2.5	<2.5	<170	<170	<170	3,800	<170	<170	8,100	
	11/11/02	<500	970	11,000	<5.0	<5.0	<5.0	<5.0	<250	<250	<250	8,600	<250	<250	11,000	
	02/12/03	<250	2,100	8,300	<2.5	<2.5	<2.5	<2.5	<120	<120	<120	4,600	<120	<120	7,400	
	05/12/03	<1,000	630	29,000	<10	<10	<10	<10	<500	<500	<500	8,700	<500	<500	32,000	
	08/11/03	110	<50	2,300	6.8	<1.0	<1.0	<1.0	<100	<100	<100	27,000	<100	<100	2,800	
	01/09/04	700	<50	690	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	04/14/04	200	<50	190	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	07/21/04	200	4.5	140	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	15,000	<0.5	<0.5	-	
	10/20/04	7,700	1,300	3,400	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	77,000	<0.5	<0.5	-	
	03/19/05	1,600	630	57	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	1,300	<0.5	<0.5	-	
	06/25/05	400	630	58	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	3,600	<0.5	<0.5	-	
	09/17/05	590	<50	28	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	5,300	<0.5	<0.5	-	
	12/26/05	400	<50	92	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	4,500	<0.5	<0.5	-	
	03/23/06	<50	<50	16	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	06/03/06	<50	<50	13	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	08/30/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	12/04/06	4,300	<50	84	<0.5	<0.5	<0.5	<0.6	19	<1.0	<1.0	30,000	<0.5	<0.5	-	
	02/28/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	05/29/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	08/20/07	4,900	<50	120	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
10/25/07	5,000	4,200	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-		
01/25/08	<50	<50	5.8	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-		
04/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-		
07/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-		
10/23/08	540	<50	130	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-		

TABLE 3
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(µg/l)

Sample ID	Date	8015M				8260B										8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE	
MW-7	08/30/00	160,000	2,600	-	28,000	15,000	1,200	5,900	-	-	-	-	-	-	800,000	
	11/06/00	80,000	1,700	920,000	23,000	12,000	1,200	5,000	<13,000	<13,000	<13,000	<63,000	<13,000	<13,000	540,000	
	02/22/01	80,000	2,000	460,000	19,000	12,000	1,100	3,200	<5,000	<5,000	<5,000	<2,500	<5,000	<5,000	440,000	
	02/22/01†	84,000	2,400	500,000	20,000	13,000	1,200	3,400	<5,000	<5,000	<5,000	<25,000	<5,000	<5,000	400,000	
	05/07/01	100,000	7,600	520,000	25,000	16,000	1,700	6,600	<5,000	<5,000	<5,000	<2,500	<5,000	<5,000	460,000	
	05/07/01†	100,000	8,200	500,000	25,000	17,000	1,700	6,700	<5,000	<5,000	<5,000	<25,000	<5,000	<5,000	530,000	
	08/22/01	110,000	22,000	250,000	18,000	12,000	2,000	9,400	<5,000	<5,000	<5,000	<25,000	<5,000	<5,000	240,000	
	11/04/01	85,000	6,500	180,000	17,000	2,700	2,100	9,700	<5,000	<5,000	<5,000	<13,000	<5,000	<5,000	150,000	
	02/15/02	96,000	21,000	200,000	21,000	7,300	2,600	13,000	<5,000	<5,000	<5,000	<25,000	<5,000	<5,000	180,000	
	02/15/02†	160,000	29,000	200,000	30,000	27,000	3,700	19,000	<5,000	<5,000	<5,000	<25,000	<5,000	<5,000	170,000	
	05/20/02	140,000	310,000	220,000	24,000	21,000	3,800	20,000	<5,000	<5,000	<5,000	<50,000	<5,000	<5,000	180,000	
	08/01/02	110,000	160,000	150,000	15,000	16,000	4,000	21,000	<2,500	<2,500	<2,500	<25,000	<2,500	<2,500	120,000	
	11/11/02	110,000	240,000	77,000	14,000	11,000	4,100	19,000	<1,200	<1,200	<1,200	<12,000	<1,200	<1,200	74,000	
	02/12/03	130,000	75,000	110,000	25,000	8,900	3,400	17,000	<1,700	<1,700	<1,700	<17,000	<1,700	<1,700	87,000	
	05/12/03	98,000	7,100	220,000	25,000	520	2,600	12,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	140,000	
	08/11/03	90,000	12,000	140,000	15,000	1,100	2,600	12,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	140,000	
	01/09/04	130,000	18,000	120,000	9,500	340	190	3,700	<1.0	<1.0	900	<10	<0.5	420	-	
	04/14/04	330,000	22	220,000	23,000	300	1,900	5,600	<1.0	<1.0	660	<10	<0.5	400	-	
	07/21/04	120,000	14	71,000	11,000	730	1,000	1,250	<1.0	<1.0	370	<10	<0.5	300	-	
	10/20/04	130,000	8.4	39,000	14,000	420	600	380	<1.0	<1.0	290	<10	<0.5	180	-	
03/19/05	130,000	22,000	40,000	23,000	1,400	2,200	6,800	<1.0	<1.0	17	290	<0.5	29	-		
06/25/05	1,100,000	45,000	49,000	31,000	31,000	7,500	32,000	<1.0	<1.0	93	400	<0.5	75	-		
09/17/05	100,000	38,000	28,000	31,000	16,000	8,500	31,000	<1.0	<1.0	<1.0	7,400	<0.5	<0.5	-		
09/24/05	In-situ Chemical Oxidation (Ozone injection) commences															

TABLE 3
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(µg/l)

Sample ID	Date	8015M				8260B									8021	
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE	
MW-7	12/26/05	99,000	33,000	14,000	20,000	6,000	1,700	11,900	<1.0	<1.0	<1.0	83,000	<0.5	<0.5	-	
	03/23/06	160,000	48,000	2,400	23,000	22,000	13,000	43,000	<1.0	<1.0	44	14,000	<0.5	330	-	
	06/03/06	170,000	44,000	9,000	48,000	5,200	5,600	23,200	<1.0	<1.0	55	4,800	<0.5	190	-	
	08/30/06	240,000	62,000	3,600	77,000	12,000	30,000	63,000	<1.0	<1.0	77	300	<0.5	21	-	
	12/04/06	110,000	44,000	3,300	7,200	490	950	2,800	20	<1.0	58	28,000	<0.5	86	-	
	02/28/07	32,000	16,000	1,600	1,800	65	610	1,249	<1.0	<1.0	12	<10	<0.5	16	-	
	05/29/07	29,000	64,000	1,700	920	18	180	272	<1.0	<1.0	15	<10	<0.5	28	-	
	08/20/07	33,000	70,000	760	2,000	22	86	120	<1.0	<1.0	13	<10	<0.5	45	-	
	10/25/07	41,000	83,000	1,300	3,800	53	380	1,521	<1.0	<1.0	18	<10	<0.5	65	-	
	01/25/08	32,000	48,000	4,500	3,000	55	170	853	12	<1.0	56	<10	<0.5	96	-	
	04/30/08	34,000	44,000	4,500	1,900	12	90	192.1	15	<1.0	61	<10	<0.5	61	-	
	07/30/08	56,000	54,000	5,100	3,300	25	38	270	15	<1.0	67	<10	<0.5	84	-	
	10/23/08	25,000	47,000	1,800	800	12	19	135	<1.0	<1.0	23	<10	<0.5	25	-	
	03/26/09	64,000	62,000	5,000	4,300	48	21	266	-	-	58	65,000	-	-	-	
	06/05/09	74,000	75,000	8,000	4,800	2.7	18	38	-	-	82	<10	-	-	-	
	09/09/09	83,000	94,000	3,600	2,800	41	29	211	-	-	290	310,000	-	-	-	
	11/12/09	25,000	32,000	1,500	2,000	16	24	141	-	-	11	<10	-	-	-	
	02/18/10	39,000	38,000	2,200	2,800	24	47	101.5	-	-	49	36,000	-	-	-	
	05/17/10	36,000	40,000	5,800	3,800	110	88	218	-	-	50	24,000	-	-	-	
	11/23/10	48,000	51,000	4,200	1,600	77	34	371	<1.0	<1.0	13	78,000	<0.5	27	-	
05/20/11	42,000	50,000	680	280	12	2.2	36	-	-	5.0	12,000	-	-	-		
12/01/11	22,000	29,000	600	1,900	16	59	78.2	-	-	8.0	25,000	-	-	-		
05/23/12	56,000	62,000	1,900	2,800	31	180	158	-	-	35.0	74,000	-	-	-		
11/29/12	50,000	52,000	1,200	1,100	23	12	187	-	-	<1	92,000	-	-	-		

TABLE 3
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(µg/l)

Sample ID	Date	8015M				8260B									8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-8	08/30/00	<1,000	690	-	18	<2.0	<1.0	<1.0	-	-	-	-	-	-	28,000
	11/06/00	<3,300	810	76,000	<8.0	<5.0	<3.0	<7.0	<2,500	<2,500	<2,500	<13,000	<2,500	<2,500	120,000
	02/22/01	<2,500	1,100	130,000	53	<3.0	<3.0	<3.0	<2,000	<2,000	<2,000	<10,000	<2,000	<2,000	99,000
	05/07/01	<5,000	1,300	120,000	32	<10	<5.0	<5.0	<2,500	<2,500	<2,500	<13,000	<2,500	<2,500	110,000
	08/22/01	<4,000	1,200	86,000	<5.0	<5.0	<5.0	16	<1,700	<1,700	<1,700	<8,500	<1,700	<1,700	76,000
	11/04/01	590	1,100	49,000	6.9	<0.5	<0.5	<0.5	<2,500	<2,500	<2,500	<13,000	<2,500	<2,500	60,000
	02/15/02	<3,400	1,500	91,000	<5.0	<5.0	<5.0	<5.0	<2,500	<2,500	<2,500	<12,500	<2,500	<2,500	110,000
	05/20/02	<1,700	2,200	86,000	<17	<17	<17	<17	<1,000	<1,000	<1,000	<10,000	<1,000	<1,000	66,000
	08/01/02	<1,200	2,800	67,000	<12	<12	<12	<12	<1,000	<1,000	<1,000	<10,000	<1,000	<1,000	53,000
	11/11/02	<2,000	11,000	51,000	<10	18	<10	<10	<1,000	<1,000	<1,000	<10,000	<1,000	<1,000	48,000
	02/12/03	<1,700	5,800	51,000	<17	<17	<17	<17	<1,000	<1,000	<1,000	<10,000	<1,000	<1,000	49,000
	05/12/03	<2,500	4,500	60,000	94	<25	<25	<25	<1,000	<1,000	<1,000	<10,000	<1,000	<1,000	52,000
	08/11/03	<2,500	23,000	42,000	92	<25	<25	<25	<1,000	<1,000	<1,000	<10,000	<1,000	<1,000	42,000
	01/09/04	51,000	12,000	50,000	2.4	<0.5	<0.5	2.1	<1.0	<1.0	160	<10	<1.0	<1.0	-
	03/19/05	80,000	100,000	13,000	45	38	77	530	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	06/25/05	60,000	82,000	1,600	18	5.9	3	54	<1.0	<1.0	12	3,700	<0.5	<0.5	-
	09/17/05	80,000	89,000	1,400	23	2.7	<0.5	25	<1.0	<1.0	17	88,000	<0.5	<0.5	-
09/24/05	In-situ Chemical Oxidation (Ozone injection) commences														

TABLE 3
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(µg/l)

Sample ID	Date	8015M				8260B										8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE	
MW-8	12/26/05	24,000	37,000	180	270	65	14	127	<1.0	<1.0	<1.0	11,000	<0.5	<0.5	-	
	03/23/06	1,200	4,000	310	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	880	<0.5	<0.5	-	
	06/03/06	1,800	4,800	390	60	9.9	7.3	11.6	<1.0	<1.0	3	2,100	<0.5	<0.5	-	
	08/30/06	6,000	6,200	<1.0	36	6.1	12	29.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	12/04/06	400	2,800	31	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	2,400	<0.5	<0.5	-	
	02/28/07	3,100	5,200	83	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	05/29/07	6,000	39,000	54	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	08/20/07	11,000	50,000	11	<0.5	<0.5	<0.5	3	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	10/25/07	8,200	44,000	7.2	<0.5	<0.5	<0.5	3.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	01/25/08	7,400	41,000	<1.0	<0.5	<0.5	<0.5	3.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	04/30/08	8,000	2,900	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	07/30/08	14,000	4,000	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	10/23/08	20,000	8,500	88	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	03/26/09	11,000	5,900	36	<0.5	<0.5	<0.5	<0.6	-	-	11	14,000	-	-	-	
	06/05/09	20,000	18,000	65	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	<10	-	-	-	
	09/09/09	14,000	17,000	29	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	9,200	-	-	-	
	11/12/09	5,400	6,800	<1.0	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	<10	-	-	-	
	02/18/10	4,400	6,000	<1.0	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	15,000	-	-	-	
	05/17/10	4,400	6,800	22	5.3	<0.5	<0.5	<0.6	-	-	<1.0	11,000	-	-	-	
	11/23/10	16,000	22,000	<1.0	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	3,800	-	-	-	
05/20/11	2,800	5,900	<1.0	<0.5	<0.5	<0.5	<0.5	-	-	<1.0	<10	-	-	-		
12/01/11	140	1,700	8.8	<0.5	<0.5	<0.5	<0.5	-	-	<1.0	2,000	-	-	-		
05/23/12	4,900	4,800	13	<0.5	<0.5	<0.5	<0.5	-	-	<1.0	9,700	-	-	-		
11/29/12	4,900	4,500	18	<0.5	<0.5	<0.5	<0.5	-	-	<1.0	13,000	-	-	-		

TABLE 3
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(µg/l)

Sample ID	Date	8015M		8260B											8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-9	08/30/00	<50	770	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	97
	11/06/00	<50	390	220	<0.5	<0.5	<0.5	<0.5	<25	<25	<25	<125	<5.0	<5.0	190
	02/22/01	<50	240	160	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	120
	05/07/01	<50	190	150	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<13	<2.5	<2.5	120
	08/22/01	<50	120	120	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	<5.0	<25	<5.0	<5.0	120
	11/04/01	<50	160	120	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	<5.0	<25	<5.0	<5.0	130
	02/15/02	<50	150	98	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<12.5	<2.5	<2.5	92
	05/20/02	<50	380	85	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<25	<2.5	<2.5	79
	08/01/02	<50	320	84	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<1.0	<1.0	74
	11/11/02	<50	150	61	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<25	<2.5	<2.5	76
	02/12/03	<50	350	50	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<1.0	<1.0	55
	05/12/03	<50	380	45	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<1.0	<1.0	45
	08/11/03	<50	88	42	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<1.0	<1.0	36
	01/09/04	200	<50	140	<0.5	<0.5	<0.5	4.7	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	04/14/04	180	<50	180	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	07/21/04	<50	<50	24	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	10/20/04	80	<50	78	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	03/19/05	100	<50	87	10	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	06/25/05	100	<50	92	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	09/17/05	100	<50	85	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	12/26/05	<50	<50	19	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	03/23/06	<50	<50	19	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	06/03/06	<50	<50	<1.0	7.7	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	08/30/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	12/04/06	<50	<50	34	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	02/28/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	05/29/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	08/20/07	<50	<50	3.8	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	10/25/07	<50	<50	8.9	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	01/25/08	<50	<50	3.5	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
04/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
07/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
10/23/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
11/12/09	<50	-	<1.0	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	<10	-	-	-	
11/23/10	<50	-	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
12/01/11	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1.0	<10	-	-	

TABLE 3
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(µg/l)

Sample ID	Date	8015M				8260B										8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE	
MW-10	08/01/02	<50	720	1.1	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0
	11/11/02	<50	100	0.7	0.72	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0
	02/12/03	<50	71	<0.5	0.63	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0
	05/12/03	<50	96	0.59	0.56	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0
	08/11/03	<50	110	0.73	0.93	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0
	01/09/04	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	04/14/04	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	07/21/04	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	10/20/04	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	03/19/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	06/25/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	09/17/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	12/26/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	03/23/06	<50	<50	<1.0	8.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	06/03/06	<50	<50	<1.0	3.9	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	08/30/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	12/04/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	02/28/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	05/29/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	08/20/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
10/25/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
01/25/08	<50	<50	<1.0	3.2	<0.5	1.2	1.3	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
04/30/08	600	<50	<1.0	<0.5	2.4	<0.5	40	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
07/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
10/23/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	

TABLE 3
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(µg/l)

Sample ID	Date	8015M				8260B										8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE	
MW-11	05/20/02	<50	95	310	1.5	3	<0.5	1.4	<5.0	<5.0	<5.0	<50	<5.0	<5.0	260	
	08/01/02	<50	190	65	<0.5	1.9	0.6	<0.5	<1.0	<1.0	<1.0	<10	<1.0	<1.0	52	
	11/11/02	<50	140	15	<0.5	2.1	1.1	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	23	
	02/12/03	<50	86	2.6	<0.5	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0	
	05/12/03	<50	62	2.3	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0	
	08/11/03	<50	72	2.3	<0.5	0.66	<0.5	<0.5	<1.0	<1.0	<1.0	<5.0	<0.5	<0.5	<5.0	
	01/09/04	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	04/14/04	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	07/21/04	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	10/20/04	-	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	-	
	03/19/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	06/25/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	09/17/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	12/26/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	03/23/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	06/03/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	08/30/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	12/04/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	02/28/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	05/29/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
08/20/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-		
10/25/07	110	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-		
01/25/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-		
04/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-		
07/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-		
10/23/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-		

TABLE 3
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(µg/l)

Sample ID	Date	8015M		8260B											8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-12	10/20/04	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	03/19/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	06/25/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	09/17/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	12/26/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	03/23/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	06/03/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	08/30/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	12/04/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	02/28/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	05/29/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	08/20/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	10/25/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	01/25/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	04/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	07/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	10/23/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
11/12/09	<50	-	<1.0	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	<10	-	-	-	
11/23/10	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC
MW-12 destroyed on 04 October 2011															

TABLE 3
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(µg/l)

Sample ID	Date	8015M		8260B											8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-13	10/20/04	100	<50	99	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	03/19/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	06/25/05	<50	<50	31	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	09/17/05	<50	<50	40	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	12/26/05	<50	<50	17	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	03/23/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	06/03/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	08/30/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	12/04/06	<50	<50	63	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	02/28/07	<50	<50	6.5	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	05/29/07	<50	<50	41	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	08/20/07	<50	<50	6.7	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	10/25/07	<50	<50	15	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	01/25/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	04/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	07/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	10/23/08	<50	<50	64	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	-	-	-
11/12/09	<50	<50	25	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	<10	-	-	-	
11/23/10	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC
MW-13 destroyed on 04 October 2011															

TABLE 3
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(µg/l)

Sample ID	Date	8015M				8260B										8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE	
MW-13R	12/01/11	<50	<50	20	<0.5	<0.5	<0.5	<0.5	-	-	<1.0	<10	-	-	-	
	11/29/12	<50	<50	<1	<0.5	<0.5	<0.5	<0.5	-	-	<1.0	<10	-	-	-	
MW-14	10/20/04	490	<50	90	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	03/19/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	06/25/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	09/17/05	<50	<50	12	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	09/24/05	In-situ Chemical Oxidation (Ozone injection) commences														
	12/26/05	<50	<50	6.1	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	03/23/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	06/03/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	08/30/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	12/04/06	<50	<50	36	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	02/28/07	<50	<50	8.7	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	05/29/07	<50	<50	59	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	08/20/07	<50	<50	10	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	10/25/07	150	<50	140	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	01/25/08	<50	<50	120	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	04/30/08	220	<50	210	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	07/30/08	<50	<50	41	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	10/23/08	<50	<50	36	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-	
	03/26/09	<50	<50	26	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	<10	-	-	-	
	06/05/09	500	1,200	40	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	<10	-	-	-	
	09/09/09	390	1,800	160	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	<10	-	-	-	
	11/12/09	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	<10	-	-	-	
	02/18/10	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	<10	-	-	-	
05/17/10	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	<10	-	-	-		
11/23/10	140	<50	49	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	110	<0.5	<0.5	-		
05/20/11	120	<50	100	<0.5	<0.5	<0.5	<0.5	-	-	<1.0	<10	-	-	-		
05/23/12	1,000	880	300	54	2.3	3.6	5.7	-	-	2.2	290	-	-	-		

TABLE 3
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
Rino Pacific/Oakland Truck Stop
1107 5th Street, Oakland, California
(µg/l)

Sample ID	Date	8015M		8260B											8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-15	10/25/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	01/25/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	04/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	07/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	10/23/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	11/12/09	<50	-	<1.0	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	<10	-	-	-
	11/23/10	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC
	12/01/11	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.5	-	-	<1.0	<10	-	-	-
	11/29/12	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.5	-	-	<1.0	<10	-	-	-
MW-16	01/25/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	04/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	07/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	10/23/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	-
	11/12/09	<50	-	<1.0	<0.5	<0.5	<0.5	<0.6	-	-	<1.0	<10	-	-	-
	11/23/10	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC	NOACC
Destroyed in 2011															

Notes:

µg/l: micrograms per liter

†: duplicate sample

-: not analyzed

TPH-d: total petroleum hydrocarbons quantified as diesel

TPH-g: total petroleum hydrocarbons quantified as gasoline

EDB: 1,2-dibromoethane

1,2-DCA: 1,2-dichloroethane

MTBE: methyl tertiary-butyl ether

DIPE: di-isopropyl ether

ETBE: ethyl tertiary-butyl ether

TAME: tertiary-amyl methyl ether

TBA: tertiary-butyl alcohol

ND: Non-detect above minimum laboratory detection levels

NOACC: No Access

APPENDIX A

Historical Background

APPENDIX A
HISTORICAL BACKGROUND
Rino Pacific - Oakland Truck Stop
1107 5th Street, Oakland, California

A.1. BACKGROUND

The site is located at 1107 5th Street in a commercial and industrial area of west Oakland, California (Figure 1). The property contains a service station building, four fuel dispenser islands, a truck scale, scale house, and two underground storage tanks (USTs). The site has been operating as a truck stop for the past 40 years.

A.2. REGIONAL GEOLOGIC/HYDROGEOLOGIC SETTING

The site is situated within the Coast Range Geomorphic Province of California. This geomorphic province contains coastal foothills and mountains and extends from the Tehachapi Mountains in the south to the Klamath Mountains in the north. The western and eastern boundaries of this province are comprised of the Pacific Ocean and the Great Valley Geomorphic Province, respectively.

The site is located in the Franciscan Complex, which is subdivided into four major divisions identified as the Northern Coast Range, the Franciscan Block, the Diablo Range, and the Nacimiento Block. The site is situated within the Franciscan Block, an assemblage of variably deformed and metamorphosed rock units. The surface is composed of Quaternary alluvium; at depth, the site is underlain by rocks of the Franciscan Complex, which are composed predominately of detrital sedimentary rocks with volcanic tuffs and deep ocean marine sediments. The Franciscan lithologies typically have low porosity and permeability.

Based upon the General Soil Map from the *Soil Survey of Alameda County, Western Part*, issued by the United States Department of Agriculture Soil Conservation Service in 1981, the site area is situated within the Urban Land-Danville complex. This complex is located on low terraces and alluvial fans at an elevation of about 20 feet to 300 feet above mean sea level (MSL), and consists of approximately 60% Urban Land, 30% Danville soil, and 10% other soils. Danville soil is a silty clay loam that formed in alluvium originating primarily from sedimentary rock; Urban land consists of areas covered by roads, parking lots, and buildings. The nearest surface water feature in the vicinity of the property is the Oakland Estuary, approximately 2,400 feet to the south of the property.

Beginning in October 1996, ground water monitoring has been conducted at the site to assess the seasonal variation of elevation, gradient, and flow direction, and to define the impact of petroleum hydrocarbon compounds and fuel oxygenating compounds in shallow ground water beneath the site. Based on data from previous monitoring events, ground water at the property varies seasonally between approximately 10 inches to 6 feet below surface grade (bsg). The ground water flow has varied from southwest to north. This may be affected by changing recharge and discharge patterns, as well as leaking pipes.

A.2. UNDERGROUND STORAGE TANK REMOVAL

In March 1999, two 10,000-gallon diesel USTs, one 10,000-gallon gasoline UST, and one 8,000-gallon gasoline UST were removed from the site. The approximate location of the former USTs is shown on Figure 2.

Interim remedial action was performed during the UST removal to address contaminated soil and ground water. Approximately 2,100 tons of contaminated soil were removed from the excavation. Soil samples were collected from the excavation and stockpiles as directed by the Fire Inspector. Contaminated ground water was removed from the excavation pit; approximately 33,000 gallons of water were pumped into temporary storage tanks, which were then transported and disposed off-site. Approximately 1,700 tons of backfill was placed in the excavation. Results of the soil samples taken during the excavation are not available.

A.3. SITE ASSESSMENT ACTIVITIES

In November 1996, ground water monitoring wells MW-1 through MW-3 were installed to a depth of 20 feet bsg to assess contamination from an unauthorized release of fuel, which was repaired as soon as it was discovered. Product recovery sumps equipped with skimmers were installed in the wells and approximately 6 gallons of gasoline were recovered.

Monitoring well MW-2 was destroyed in January 1999. Additional monitoring wells MW-4 through MW-9 were installed to a total depth of 20 feet bsg in August 2000. Contamination was detected in each of the wells, and free product was occasionally evident in well MW-7.

Monitoring wells MW-10 and MW-11 were installed in May 2002 to a total depth of 12 feet bsg. At this time, well MW-3 was abandoned and well MW-3N was installed to a depth of 12 feet bsg.

In July 2002, eight soil borings were advanced on 5th Street and Chestnut Street to total depths between 5 feet and 8 feet bsg to determine if contamination was migrating off-site along preferential pathways (i.e. utility trenches). Sample results indicated high methyl tertiary-butyl ether (MTBE) concentrations that ranged from 170,000 micrograms per liter ($\mu\text{g/l}$) to 460,000 $\mu\text{g/l}$ in grab ground water samples from borings drilled directly north of the site, along the 5th Street sewer line. Borings east of the site had little to no contamination.

In January 2003, a passive skimmer was placed inside monitoring well MW-7 to remove free product. During monitoring activities in April 2004, free-product was noted in MW-8. The passive skimmer in MW-7 was moved to MW-8 to remove the free product.

In October 2004, three pilot borings were advanced at the site to install three ground water monitoring wells MW-12 through MW-14. Wells MW-12 and MW-13 were installed in the 5th Street right of way to the north of the property to a vertical depth of 20 feet bsg and completed as ground water monitoring wells using 2-inch diameter polyvinylchloride (PVC) casing with a 0.020-inch slotted screen installed from 5 feet to 20 feet bsg. Well MW-14 was installed in the northeast corner of the site with the same construction as wells MW-12 and MW-13. A total of three soil samples, taken from the monitoring well pilot borings, were analyzed for petroleum hydrocarbon constituents. In sample MW14-10, 1.8 milligrams per kilogram (mg/kg) TPH-d and 2.0 mg/kg MTBE were detected.

On 05 through 07 and 18 July 2006, seven soil borings (P1 through P7) were advanced on-site to depths of 20 feet bsg with direct-push technology (P6 and P7) and 40 feet bsg (P1 through P5) with a hollow-stem auger drill rig. All borings were continuously cored from surface grade to total depth. Soil and grab ground water samples were collected at selected intervals based on lithology encountered during drilling; grab ground water samples were collected from borings advanced immediately adjacent to P1 through P5, and at total depth in borings P6 and P7. Soil samples were collected between depths of 6 feet and 40 feet bsg from borings P1 through P7 and analyzed for petroleum hydrocarbon constituents. TPH-g was detected in soil samples P1-6, P1-21, P2-8, and P4-7 at concentrations of 210 mg/kg, 2.6 mg/kg, 110 mg/kg, and 10 mg/kg, respectively. TPH-d was detected in samples P1-6, P2-8, and P4-7 at concentrations of 7,600 mg/kg, 680 mg/kg, and 13,000 mg/kg, respectively.

Grab ground water samples were collected from soil borings advanced immediately adjacent to P1 through P5 at selected sandy zones between 10 feet and 35 feet bsg, and from borings P6 and P7 at a depth of 20 feet bsg. TPH-g was detected in boring P1 at 20 feet and 35 feet bsg, in boring P4 at 10 feet bsg, in boring P5 at 10 feet and 35 feet bsg, and in borings P6 and P7 at 20 feet bsg at concentrations ranging from 130 µg/l (P6-20-W) to 38,000 µg/l (P4-W-10). TPH-d was detected in boring P1 at 20 feet and 35 feet bsg, in boring P4 at 10 feet bsg, and in boring P7 at 20 feet bsg at concentrations ranging from 4,500 µg/l (P1-W-35) to 350,000 µg/l (P4-W-10). BTEX constituents were detected in boring P1 at 20 feet and 35 feet bsg, P5 at 10 feet and 35 feet bsg, and P6 at 20 feet bsg at maximum concentrations of 110 µg/l benzene (P1-W-20), 36 µg/l toluene (P5-W-10), 13 µg/l ethylbenzene (P1-W-35), and 17.3 µg/l total xylenes (P1-W-20). MTBE was detected in samples collected from boring P1 at 20 feet and 35 feet bsg, in boring P4 at 10 feet bsg, in boring P5 at 10 feet and 35 feet bsg, and in borings P6 and P7 at 20 feet bsg at concentrations ranging from 4.1 µg/l (P6-20-W) to 11,000 µg/l (P1-W-20). TAME was detected in boring P1 at 20 feet and 35 feet bsg, in boring P4 at 10 feet bsg, and in boring P5 at 10 feet bsg at concentrations ranging from 3.4 µg/l (P5-W-10) to 17 µg/l (P1-W-20). The lead scavenger 1,2-DCA was detected in boring P1 at 20 feet and 35 feet bsg at concentrations of 4.7 µg/l and 3.4 µg/l, respectively. Benzene was detected in sample P1-21 at a concentration of 0.014 mg/kg. Toluene, ethylbenzene, and xylenes were detected in sample P2-8 at concentrations of 0.22 mg/kg, 0.62 mg/kg, and 4.2 mg/kg,

respectively.

In September 2007, AGE installed ground water monitoring wells MW-15 and MW-16 and conducted ground water assessment at the site utilizing CPT. The wells were installed off-site in the City of Oakland right-of-way approximately 160 feet northeast and 100 feet northwest (down-gradient) of the former UST area, respectively, to total depths of approximately 20.5 feet bsg and completed with 15 feet of well screen section extending from approximately 5 to 20 feet bsg.

A total of three borings (CPT-1 through CPT-3) were advanced to collect subsurface lithologic data and to collect discrete ground water samples. Two CPT borings were advanced on the eastern portion of the site to assess the vertical extent of petroleum hydrocarbon-impacts to ground water. One CPT boring was advanced off-site, in the northwest parking area of 5th Street, to assess the lateral and vertical extent of petroleum hydrocarbon impacts to ground water. Soil boring CPT-1 was advanced approximately 110 feet northwest of the northwest corner of the site. Soil borings CPT-2 and CPT-3 were advanced approximately 100 feet southeast and east of the former USTs located on the central portion of the site, respectively. Due to refusal the total depths of the lithologic soundings in borings CPT-1, CPT-2, and CPT-3 were 52 feet bsg, 52 feet bsg, and 54 feet bsg, respectively.

There were no reported detections of BTEX compounds in any of the soil samples collected for laboratory analysis. TPH-d was detected in two of the six soil samples collected at a reported concentration of 1.4 milligrams per kilograms (mg/kg; MW-15-6.5 feet) and 3.3 mg/kg (MW-16-6.5 feet). However, the laboratory report indicates that the results in sample MW-15-6.5 feet do not resemble a fuel pattern, and that the TPH-d results in sample MW-16-6.5 feet are primarily due to overlap from a heavy oil range product. TPH-g was detected in soil sample MW-15-6.5 feet at a reported concentration of 1.4 mg/kg.

Benzene was detected at concentrations of 2.0 micrograms per liter ($\mu\text{g/l}$), 8.0 $\mu\text{g/l}$, 10 $\mu\text{g/l}$, and 13 $\mu\text{g/l}$ for samples CPT-2C, CPT-2B, CPT-3C, and CPT-3B, respectively. Toluene was detected at concentrations of 0.67 $\mu\text{g/l}$, 1.1 $\mu\text{g/l}$, 3.4 $\mu\text{g/l}$, and 13 $\mu\text{g/l}$ for samples CPT-3C, CPT-3B, CPT-2C, and CPT-2B, respectively. Ethylbenzene was detected at a concentration of 0.57 $\mu\text{g/l}$, 1.3 $\mu\text{g/l}$, 1.9 $\mu\text{g/l}$, and 10 $\mu\text{g/l}$ for samples CPT-2C, CPT-2B, CPT-3C, and CPT-3B, respectively. Total xylenes were detected at concentrations of 2.1 $\mu\text{g/l}$, 2.7 $\mu\text{g/l}$, 5.5 $\mu\text{g/l}$, and 1.3 $\mu\text{g/l}$ for samples CPT-3C, CPT-2C, CPT-2B, and CPT-3B, respectively. There were no reported detections of BTEX compounds in ground water samples collected from boring CPT-1.

TPH-d was detected in three of the seven ground water samples collected; at concentrations of 54 $\mu\text{g/l}$, 190 $\mu\text{g/l}$, and 240 $\mu\text{g/l}$ in samples CPT-2C, CPT-3B, and CPT-3C, respectively. There were no reported detections of TPH-d in A-zone ground water samples CPT-2B, CPT-1A, CPT-1B or CPT-1C. TPH-g was detected in three of the seven

ground water samples collected; at concentrations of 69 µg/l, 270 µg/l, and 410 µg/l in samples CPT-2B, CPT-3C, and CPT-3B, respectively. There were no reported detections of TPH-g in ground water samples CPT-2C, CPT-1A, CPT-1B or CPT-1C. MTBE was detected in three the seven ground water samples collected for analysis. MTBE was detected at concentration of 0.61 µg/l, 0.93 µg/l, and 16 µg/l in ground water samples CPT-2C, CPT-3B, and CPT-3C. There were no reported detections of MTBE in ground water samples CPT-2B, CPT-1A, CPT-1B or CPT-1C.

In July 2008, AGE conducted the additional subsurface investigation at the site utilizing 25-ton truck mounted CPT drill rig. A total of three borings (CPT-4 through CPT-6) were advanced to collect subsurface lithologic data and to collect discrete ground water samples. CPT boring (CPT-4) was advanced on-site, approximately 40 feet northeast of the former UST area. CPT boring CPT-5 was advanced off-site, in the dirt area on the north side of 5th Street. CPT boring CPT-6 was advanced east of the site, on the eastern edge of Chestnut Street. Due to refusal, the total depths of the lithologic soundings in borings CPT-4, CPT-5, and CPT-6 were 49 feet bsg, 47 feet bsg and 45 feet bsg respectively. A total of seven ground water samples were collected from borings CPT-4 through CPT-5 and submitted for laboratory analysis. No contaminants of concern were detected in any of the samples analyzed.

A.4. SITE REMEDIATION ACTIVITIES

In March 2004, a total of ten pilot borings were advanced to 12.5 feet bsg at the site to install ten ozone sparge wells (OZ-1 through OZ-10). The microporous sparge interval was set at 10 to 12 feet bsg.

In October 2004, ten pilot borings were advanced to install ten ozone sparge wells OZ-11 through OZ-20. The sparge wellw were completed with a manufacturer-assembled, 2-inch by 24-inch microporous sparge interval from 11 to 13 feet bsg and blank 1-inch casing extended to the surface. The filter pack was installed from 9 feet to 15 feet bsg.

During the first quarter 2005, AGE completed the installation of the interim remediation system subsurface piping network. All tubing was encased in Schedule 80 polyvinylchloride (PVC) piping.

On 24 September 2005, two ozone sparge systems were installed on-site and started; initiation of the ozone sparge system was delayed upon the client's request, as demolition activities were being conducted on-site.

On 13 March 2007, AGE personnel directed the destruction of five ozone injection wells (OZ6, OZ7, OZ10, OZ16 and OZ17) in preparation for truck scale upgrade activities to be performed by the property's lessee and CAT Scale. In preparation for destruction of ozone

injection wells OZ6, OZ7, OZ10, OZ16 and OZ17 all material within the original boreholes, including the well casings, filter pack, annular seal, and well cover boxes were over-drilled utilizing a CME-HT drill rig equipped with 10-inch, hollow stem augers. Following over-drilling activities, each borehole was backfilled with a cement grout mixture to surface grade.

Hydrocarbon-impacted soil surrounding the existing truck scale was excavated as part of truck scale removal and upgrade activities. Soil was removed to a depth of approximately six feet bsg using an excavator. Soil surrounding the existing truck scale was excavated by representatives of CAT Scale. The excavation provided the removal of a significant amount of petroleum hydrocarbon-impacted soil within the present vadose and smear zones. The soil was removed using an excavator to a total depth of approximately 6 feet bsg. While soil was excavated, trucks were immediately loaded for transportation to Keller Canyon Landfill in Pittsburg, California. The impacted soil was transported by Intrinsic Transportation, Inc, of Santa Rosa, California and JT & T Enterprises of Cotati, California under non-hazardous waste manifest. According to total sum of truck weight tickets 543.76 tons or approximately 367 cubic yards of soil were disposed. The excavation was backfilled with clean fill sand and pea gravel mixtures. The fill material placed in the excavation and was compacted by representatives of CAT Scale. In addition, the installation of the scale was conducted by representatives of CAT Scale.

TPH-d-range petroleum hydrocarbons were detected at concentrations ranging from 95 mg/kg to 9,800 mg/kg (Table 1). TPH-g-range petroleum hydrocarbons were detected at concentrations ranging from 1.0 mg/kg to 50 mg/kg (Table 1). Benzene concentrations ranged from 0.020 mg/kg to 0.20 mg/kg. Toluene concentrations ranged from 0.018 mg/kg to 0.020 mg/kg. Ethylbenzene concentrations ranged from 0.014 mg/kg to 0.028 mg/kg. Total xylene concentrations ranged from 0.020 mg/kg to 0.044 mg/kg. MTBE was detected in 12 of the 13 soil samples at concentrations ranging from 0.030 mg/kg to 2.6 mg/kg. The reported concentrations of TAME ranged from 0.011 mg/kg to 0.90 mg/kg.

Based on the analytical results gathered from the floor and the sidewalls of the excavation, it appears that moderate to elevated levels of petroleum hydrocarbon-impacts to soil remain at depths of approximately six feet bsg on the northwest portion of the site.

After completion of the truck scale upgrade by CAT Scale, AGE personnel directed the advancement of five pilot soil borings at the site for the re-installation of ozone injection wells OZ6R, OZ7R, OZ10R, OZ16R and OZ17R.

The ozone well pilot soil borings were completed as single-level ozone injection wells with manufacturer-assembled, 2-inch by 24-inch microporous sparge points set from approximately 11 feet to 13 feet bsg.

From September 2005 to July 2007 the systems injected ozone for a ½-hour duration into two ozone injection points at a time. A total of ten ozone injection wells, in conjunction with

the south unit, have been on-line throughout the majority of the Second Quarter 2007. The north unit has been shut down since 13 Mach 2007 due to the destruction of ozone wells OZ6, OZ7, OZ10, OZ16, and OZ17; however, the north unit was brought back on-line 27 July 2007 subsequent to re-plumbing the recently installed ozone injection points. Both the north and south unit systems currently inject ozone for a 1-hour duration into one ozone injection points at a time.

The monitoring of geochemical parameters had been discontinued as of the second quarter 2009, but was resumed on 05 October 2010 until the ozone systems became non-operational in January 2011. A summary of geochemical parameters and the ozone systems operation and maintenance activities thus far were presented in Table 4 and Table 5 of the AGE-prepared, *First Semi-Annual Report - 2011 (January to June)*.

APPENDIX B

Alameda County - EHS Letter: 29 July 2013



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

July 29, 2013

Mr. Reed Rinehart
Rino Pacific
2401 North State Street
Ukiah, CA 95482

Tony Muir and Lillie Earls
P.O. Box 328
Wilsonville, OR 97070-328

Subject: Review of Conceptual Site Model for Fuel Leak Case No. RO0000234 and GeoTracker Global ID T0600102136, Rino Pacific/Oakland Truck Stop, 1107 5th Street, Oakland, CA 94607

Dear Mr. Rinehart:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the most recent document entitled, "*Conceptual Site Model*," dated June 3, 2013 (CSM). The CSM, which was prepared on behalf of Rino Pacific LLC by Advanced GeoEnvironmental, Inc., responds to ACEH technical comments in correspondence dated January 14, 2013.

The CSM recommends continued semi-annual groundwater monitoring and the installation of additional monitoring wells to assess the lateral and vertical extent of contamination. We request that you submit a Work Plan no later than September 30, 2013 to complete the well installation and sampling.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACEH ftp site (Attention: Jerry Wickham), and to the State Water Resources Control Board's GeoTracker website according to the following schedule and file-naming convention:

- **September 20, 2013** – Work Plan
File to be named: WP_R_yyyy-mm-dd RO234
- **January 19, 2014** – Semi-annual Groundwater Monitoring Report
File to be named: GWM_R_yyyy-mm-dd RO234

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

Reed Rinehart
RO0000234
July 29, 2013
Page 2

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org. Case files can be reviewed online at the following website: <http://www.acgov.org/aceh/index.htm>. As your email address does not appear on the cover page of this notification ACEH is requesting you provide your email address so that we can correspond with you quickly and efficiently regarding your case.

Sincerely,

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Attachment: Responsible Party(ies) Legal Requirements/Obligations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032 2032 (*Sent via E-mail to: lgriffin@oaklandnet.com*)

Brian Millman, GeoEnvironmental, Inc., 837 Shaw Road, Stockton, CA 95215 (*Sent via E-mail to: bmillman@advgeoenv.com*)

Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Jerry Wickham, ACEH (*Sent via E-mail to: jerry.wickham@acgov.org*)

GeoTracker, e-File

Attachment 1

Responsible Party(ies) Legal Requirements/Obligations

REPORT/DATA REQUESTS

These reports/data are being requested pursuant to Division 7 of the California Water Code (Water Quality), Chapter 6.7 of Division 20 of the California Health and Safety Code (Underground Storage of Hazardous Substances), and Chapter 16 of Division 3 of Title 23 of the California Code of Regulations (Underground Storage Tank Regulations).

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (Local Oversight Program [LOP] for unauthorized releases from petroleum Underground Storage Tanks [USTs], and Site Cleanup Program [SCP] for unauthorized releases of non-petroleum hazardous substances) require submission of reports in electronic format pursuant to Chapter 3 of Division 7, Sections 13195 and 13197.5 of the California Water Code, and Chapter 30, Articles 1 and 2, Sections 3890 to 3895 of Division 3 of Title 23 of the California Code of Regulations (23 CCR). Instructions for submission of electronic documents to the ACEH FTP site are provided on the attached "Electronic Report Upload Instructions."

Submission of reports to the ACEH FTP site is in addition to requirements for electronic submittal of information (ESI) to the State Water Resources Control Board's (SWRCB) Geotracker website. In April 2001, the SWRCB adopted 23 CCR, Division 3, Chapter 16, Article 12, Sections 2729 and 2729.1 (Electronic Submission of Laboratory Data for UST Reports). Article 12 required electronic submittal of analytical laboratory data submitted in a report to a regulatory agency (effective September 1, 2001), and surveyed locations (latitude, longitude and elevation) of groundwater monitoring wells (effective January 1, 2002) in Electronic Deliverable Format (EDF) to Geotracker. Article 12 was subsequently repealed in 2004 and replaced with Article 30 (Electronic Submittal of Information) which expanded the ESI requirements to include electronic submittal of any report or data required by a regulatory agency from a cleanup site. The expanded ESI submittal requirements for petroleum UST sites subject to the requirements of 23 CCR, Division, 3, Chapter 16, Article 11, became effective December 16, 2004. All other electronic submittals required pursuant to Chapter 30 became effective January 1, 2005. Please visit the SWRCB website for more information on these requirements. (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/)

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 7835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, late reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

Alameda County Environmental Cleanup Oversight Programs (LOP and SCP)	REVISION DATE: July 25, 2012
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (petroleum UST and SCP) require submission of all reports in electronic form to the county's FTP site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as a **single Portable Document Format (PDF) with no password protection.**
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document.** Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

- 1) Obtain User Name and Password
 - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
 - i) Send an e-mail to .loptoxic@acgov.org
 - b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses,** and the **Case Numbers (RO# available in Geotracker) you will be posting for.**
- 2) Upload Files to the ftp Site
 - a) Using Internet Explorer (IE4+), go to <://alcoftp1.acgov.org>
 - (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
 - b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
 - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
 - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
 - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
 - a) Send email to .loptoxic@acgov.org notify us that you have placed a report on our ftp site.
 - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
 - c) The subject line of the e-mail must start with the RO# followed by **Report Upload.** (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
 - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

APPENDIX C

Monitoring and Sampling Procedures

APPENDIX B
MONITORING AND SAMPLING PROCEDURES
Rino Pacific - Oakland Truck Stop
1107 5th Street, Oakland, California

GROUND WATER MONITORING AND SAMPLING SCHEDULE

Previously, the monitoring schedule was performed in accordance with a ground water monitoring program approved by ACWD in an email dated 20 March 2009. The following is a summary of the previous monitoring and reporting program:

- Quarterly monitoring (measuring depth to water) of site ground water monitoring wells.
- Quarterly sampling of four ground water monitoring wells (MW-5, MW-7, MW-8 and MW-14).
- Annual monitoring and sampling of eight ground water monitoring wells (MW-1, MW-3N, MW-4, MW-9, MW-12, MW-13, MW-15 and MW-16).
- Temporary suspension of sampling requirements of three ground water monitoring wells (MW-6, MW-10 and MW-11).
- Semi-annual reporting of data collected for two quarters, with reports to include updates of interim remedial activity at the site.

On 19 May 2009, the State Water Resources Control Board passed resolution number 2009-0040 requiring semi-annual monitoring and reporting for all sites unless site-specific issues dictate greater frequency of monitoring.

In a letter dated 23 July 2009, the ACWD directed semi-annual ground water monitoring and sampling at the site. The sampling schedule will be implemented beginning with the fourth quarter 2010 as follows:

- First quarter - no monitoring, sampling or reporting;
- Second quarter - semi-annual monitoring, sampling and reporting;
- Third quarter - no monitoring, sampling or reporting; and
- Fourth quarter - annual monitoring, sampling and reporting.

For semi-annual monitoring and sampling events, only wells MW-5, MW-7, MW-8, and MW-14 will be sampled. All wells will be monitored for depth to water and assessed for well integrity. For annual monitoring and sampling events, eight additional ground water monitoring wells (MW-1, MW-3N, MW-4, MW-9, MW-12, MW-13, MW-15 and MW-16) will

be monitored and sampled.

Semi-annual monitoring reporting periods are recommended as follows:

First semi-annual reporting period will be January to June, while the second semi-annual reporting period will be July to December of each year.

Interim In-situ Ozone Injection Remedial System

- Twice monthly maintenance checks and recording of system operational parameters.

GROUND WATER SAMPLING PROCEDURES

Prior to purging and sampling the ground water monitoring wells, static water level was measured using an electric water level indicator. Water level data was recorded to the nearest 0.01 foot from a reference point marked on the top of the PVC well casing. Before and after each use, the measuring device was rinsed with water.

WELL PURGING

Subsequent to measurement of depth to water and prior to sampling, the well was purged to ensure the sample is representative of ground water in the formation, rather than of water standing in the well casing. Monitoring wells were purged by using a disposable polyethylene bailers. The disposable polyethylene bailers is disposed of after one use and required no decontaminating, minimizing cross contamination due to sampling devices. The wells were purged until: 1) a minimum of three casing volumes was removed from each well; and 2) field-measured ground water parameters including temperature, electrical conductivity, and pH had stabilized. Purge water generated during sampling activities was contained on-site in an appropriately labeled 55-gallon drum.

SAMPLE WITHDRAWAL

Following 80 percent recovery of ground water within the well after purging, ground water samples were collected from the monitoring wells using disposable polyethylene bailers. These bailers are disposed of after one use and required no decontaminating, minimizing cross contamination due to sampling devices. The samples were drawn and collected in such a manner that agitation and exposure of the ground water to the atmosphere was

minimal. Sample containers were filled using the appropriate disposable sampling attachment which allows controlled flow out of the bottom of the bailer.

SAMPLE HANDLING

Ground water samples are collected into laboratory-supplied 40-ml volatile organic analysis (VOA) vials without preservative; samples are collected with no visible air bubbles present in the vials after filling and capping; while selected well samples were collected in 1-liter amber bottles without preservative. Following collection, samples are appropriately labeled, placed on ice, and kept in a cooler until delivered to Cal Tech Environmental Laboratories (CTEL), a State of California Department of Public Health-certified analytical laboratory, for analysis. Samples are analyzed for:

- Total petroleum hydrocarbons quantified as gasoline (TPH-g) in accordance with EPA Method 8015 Modified;
- Selected wells for Total petroleum hydrocarbons quantified as diesel (TPH-d) in accordance with EPA Method 8015 Modified; and
- Benzene, toluene, ethyl-benzene, and total xylenes (BTEX), and fuel additives methyl tertiary-butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary-butyl ether (ETBE), tertiary-amyl methyl ether (TAME), tertiary butanol (TBA), ethylene dibromide (EDB), and 1,2-dichloroethane (1,2-DCA) in accordance with EPA Method 8260B.

EQUIPMENT DECONTAMINATION

Prior to sample collection, all sampling tools used for sample collection were thoroughly washed with a solution of Alconox and rinsed with clean water.