REPORT OF WELL INSTALLATION ACTIVITIES

Dublin Toyota UST Site
6450 Dublin Court
Dublin, California

ACEH RO# 0000333

Prepared for:

Dublin Toyota
4321 Toyota Drive
Dublin, CA 94568

May 14, 2010

GRIBI ASSOCIATES

GEOLOGIC & ENVIRONMENTAL CONSULTING SERVICES

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DUBLIN TOYOTA

May 14, 2010

Alameda County Department of
Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Attention: Paresh Khatri

Subject: Report of Well Installation Activities
Dublin Toyota UST Site, 6450 Dublin Court, Dublin, California
Alameda County LOP Site ID No. 699

Ladies and Gentlemen:

Attached please find a copy of the *Report of Well Installation Activities, Dublin Toyota UST Site, 6450 Dublin Court, Dublin, California,* prepared by Gribi Associates. 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.

Very truly yours,

Scott F. Anderson
Chief Financial Officer
Dublin Toyota

GRIBI
ASSOCIATES

May 14, 2010

Alameda County Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Attention: Mr. Paresh Khatri

Subject: Report of Well Installation Activities
Dublin Toyota UST Site
6450 Dublin Court, Dublin, California
Fuel Leak Case RO# 0000333

Ladies and Gentlemen:

Gribi Associates is pleased to submit this *Report of Well Installation Activities* on behalf of Dublin Toyota for the underground storage tank (UST) site located at 6450 Dublin Court in Dublin, California. This letter report describes and documents the drilling and sampling of three shallow source area monitoring wells (MW-11 through MW-13) and four "B" Zone monitoring wells (MW-14 through MW-17). The well installation activities were conducted to further define and characterize: (1) Shallow groundwater hydrocarbon impacts near the former site underground storage tank (UST) source area; and (2) Deeper "B" Zone (30 to 35 feet bgs) hydrocarbon impacts further downgradient from the site, on the south side of Interstate 580.

We appreciate the opportunity to present this report for your review. Please call if you have any questions or require additional information.

Very truly yours,

Matthew A. Rosman
Project Engineer

James E. Gribi
Professional Geologist
California No. 5843

REGISTERED GEOLOGIST
JAMES E. GRIBI
No. 5843
STATE OF CALIFORNIA

MAR/ct

cc: Mr. Scott Anderson, Dublin Toyota
Mr. Wyman Hong, Zone 7 Water Agency

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EXECUTIVE SUMMARY

Gribi Associates is pleased to submit this *Report of Well Installation* on behalf of Dublin Toyota for the underground storage tank (UST) site located at 6450 Dublin Court in Dublin, California. This letter report describes and documents the drilling and sampling of three shallow source area monitoring wells (MW-11 through MW-13) and four "B" Zone monitoring wells (MW-14 through MW-17). The well installation activities were conducted to further define and characterize: (1) Shallow groundwater hydrocarbon impacts near the former site underground storage tank (UST) source area; and (2) Deeper "B" Zone (30 to 35 feet bgs) hydrocarbon impacts further downgradient from the site, on the south side of Interstate 580.

The seven groundwater monitoring wells, MW-11 through MW-17, were drilled and installed by Gregg Drilling between April 13 and April 15, 2010. All activities were conducted in accordance with the approved workplan and with applicable local, State, and Federal guidelines and statutes. In order to further define and characterize MTBE impacts in groundwater, three shallow source area groundwater monitoring wells, MW-11, MW-12, and MW-13, were drilled and installed on the site. Additionally, four deeper downgradient "B" Zone groundwater monitoring wells, MW-14 through MW-17, were drilled and installed along Johnson Drive, approximately 320 feet south of the subject property and over 500 feet south from the former site USTs, on the opposite side of Interstate 580, in an expected downgradient groundwater flow direction from the former site USTs.. .

As with results from recent source area borings GB-1 through GB-6, low to nondetectable concentrations of TPH-G and BTEX were encountered in soil samples from these shallow source-area well borings (MW-11, MW-12, and MW-13). These results indicate that significant amounts of soil contamination are not present in the former UST source area. Soil laboratory analytical results from the three shallow source area well borings did show concentrations of TBA and MTBE that are above Environmental Screening Levels. These results are similar to previous soil and groundwater results, and clearly demonstrate that the contaminants of concern for this site are oxygenates only.

In accordance with the approved workplan, Gribi Associates plans to conduct soil gas sampling in the former UST source area in the next three to four weeks. Also, existing wells (including EW-1 and EW-2) and newly installed wells MW-11 through MW-17 will be monitored in the next two to four weeks. After completing these planned activities, Gribi Associates will provide recommendations for additional activities to move this site towards regulatory closure.

1.0 INTRODUCTION

Gribi Associates is pleased to submit this *Report of Well Installation* on behalf of Dublin Toyota for the underground storage tank (UST) site located at 6450 Dublin Court in Dublin, California (Site). This letter report describes and documents the drilling and sampling of three shallow source area monitoring wells (MW-11 through MW-13) and four "B" Zone monitoring wells (MW-14 through MW-17). The well installation activities were conducted to further define and characterize: (1) Shallow groundwater hydrocarbon impacts near the former site underground storage tank (UST) source area; and (2) Deeper "B" Zone (30 to 35 feet bgs) hydrocarbon impacts further downgradient from the site, on the south side of Interstate 580.

1.1 Scope of Work

Gribi Associates was contracted by the Dublin Toyota to conduct the following scope of work.

- **Task 1 Conduct prefield activities.**
- **Task 2 Conduct drilling, sampling, and installation of seven groundwater monitoring wells.**
- **Task 3 Conduct laboratory analyses.**
- **Task 4 Prepare report of findings.**

These tasks were conducted in accordance with the approved workplan and with generally accepted sampling guidelines and protocols.

1.2 Limitations

The services provided under this contract as described in this report include professional opinions and judgments based on data collected. These services have been provided according to generally accepted environmental protocol. The opinions and conclusions contained in this report are typically based on information obtained from:

1. Observations and measurements made by our field staff.
2. Contacts and discussions with regulatory agencies and others.
3. Review of available hydrogeologic data.

2.0 SITE BACKGROUND

2.1 General Site Description

The Site is located in a primarily commercial area of Dublin, California and is formerly the location of the Dublin Toyota/Scion automobile dealership (Figures 1 and 2). The site comprises an irregularly shaped land parcel of nearly 3.5 acres. An irregularly shaped building is located in the center of the site parcel that formerly housed the business activities of the dealership. The

west portion of the site building was primarily a show room and sales area, and the east portion of the site building was primarily used as an automotive service area. The outside areas of the site are entirely asphalt-paved.

The Site is bounded to the south by Interstate 580 freeway, to the west by Dublin Sports Grounds Park, to the north by Dublin Court followed by a retail plaza, and to the east by an office-supply warehouse store.

2.2 Site Environmental Conditions

2.2.1 Past Environmental Investigation and Remediation Activities

The Dublin Toyota UST site consisted of three USTs located in a common tank farm located adjacent to the northeast corner of the maintenance garage (see Figure 2). The tank farm was composed of two 2,000-gallon steel gasoline tanks and one 1,000-gallon steel waste oil tank. The three USTs were removed from a common excavation by Scott Company on June 10, 1998. Based on soil and grab groundwater sampling results, which showed elevated levels of gasoline- and diesel-range hydrocarbons, the UST excavation cavity was over-excavated, and approximately 500 gallons of groundwater was pumped from the excavation cavity. Approximately 92 tons of hydrocarbon-impacted soil were disposed of offsite.

In December 1998, Gribi Associates drilled and sampled four investigative soil borings (IB-1 through IB-4), and drilled, installed, and sampled two groundwater monitoring wells (MW-1 and MW-2) at the site. Soil and groundwater samples collected from the borings and wells contained no significant levels of hydrocarbons, except for the groundwater sample from well MW-1, located about 15 feet southwest from the former UST cavity. Groundwater samples from this well contained elevated levels of methyl tert-butyl ether (MTBE).

In August 2000, Gribi Associates drilled and sampled one soil boring (IB-5) sited inside the Dublin Toyota service building west from the former USTs, and drilled, installed, and sampled one groundwater monitoring well (MW-3) sited south-southwest from the former USTs. Soil analytical results from these borings showed no detectable concentrations of gasoline-range hydrocarbons. Groundwater samples from these borings showed concentrations of MTBE that were significantly lower than MTBE concentrations in MW-1, indicating lateral attenuation of MTBE impacts in groundwater southwest from the former USTs. Subsequent groundwater monitoring of the three site groundwater monitoring wells in May 2002, November 2002, and April 2003 showed decreasing concentrations of MTBE in MW-1.

In May 2005, a soil and water investigation (SWI) was conducted that consisted of drilling and sampling twelve soil boring (B-1 through B-12) at the site (*SWI Summary of Findings*, Gribi Associates, June 2005). Results of the investigation indicated groundwater MTBE impacts in a shallow "A" zone immediately downgradient from the source (former location of site USTs) and in a deeper "B" zone further downgradient from the source. The SWI summary report included a brief workplan proposing the installation of ten groundwater monitoring wells, to include four shallow "A" zone wells and six deeper "B" zone wells.

In July 2005, two 2-inch diameter extraction wells (EW-1 and EW-2) were installed in a carwash bay of the Dublin Toyota facility to a depth of approximately 15 feet below surface grade. The extraction wells were constructed within the gravel backfill of the former UST excavation.

Between February and April 2006, Gribi Associates conducted seven aggressive fluid vapor recovery (AFVR) events (*Report or Interim Remedial Measures*, Gribi Associates, April 2006). Each event consisted of approximately four hours of extraction of soil vapor and groundwater at wells EW-1 and EW-2 using a vacuum truck. During the AFVR events, groundwater and vapor samples were collected to monitor remedial progress. The combined total estimated volume of removed groundwater (approximately 3,200 gallons) and the combined total estimated mass of removed gasoline-range hydrocarbons (four pounds) during the seven AFVR events were relatively small. These results indicated that AFVR had only limited applicability as a source area remedial option for the project site. Given the results and conclusions, implementation of additional AFVR activities at the site was not recommended.

In April 2006, Gribi Associates drilled and installed ten 3/4-inch diameter groundwater monitoring wells (MW-4S, MW-4D, MW-5S, MW-5D, MW-6S, MW-6D, MW-7, MW-8, MW-9, and MW-10) at the site. The locations of the monitoring wells closely mirrored the locations of the soil borings conducted during the 2005 investigation. Results of groundwater monitoring and sampling were very similar to results from the soil and water investigation conducted in May 2005. Groundwater results show elevated MTBE concentrations in Zone A (shallow aquifer, above 20 feet in depth) immediately downgradient from the former UST excavation and elevated MTBE levels in Zone B (deeper aquifer, between 30 and 40 feet bgs) further downgradient from the former UST excavation.

2.2.2 Recent Site Environmental Investigation Activities

Recent site investigations included: (1) A downgradient CPT investigation, described and reported in *Report of CPT Groundwater Investigation, Dublin Toyota UST Site, 6450 Dublin Court, Dublin, California*, (Gribi Associates, June 19, 2009); and (2) A source area direct-push soil boring investigation, described and reported in *Source Area Soil Boring Investigation Report, Dublin Toyota UST Site, 6450 Dublin Court, Dublin, California*, (Gribi Associates, October 6, 2009).

In April 2009, Gribi Associates conducted a cone penetrometer (CPT) investigation that comprised the drilling of four onsite borings (CPT-1 through CPT-4) and three offsite borings (CPT-5, CPT-6, and CPT-7). Results of this investigation showed a fairly pervasive permeable thin sand zone, previously identified as the "B" Zone, between approximately 30 and 35 feet bgs. This zone was present in all borings except downgradient borings CPT-6 and CPT-7, the respective middle and westerly CPT borings on Johnson Drive. Groundwater analytical results from this investigation and from onsite "B" Zone wells MW-4D, MW-5D, MW-6D, MW-8, MW-9, and MW-10 define a groundwater MTBE plume in the "B" Zone that appears to extend southwest from the UST source area and then, apparently due to lithologic variability, turns to the south beneath US Interstate 580. This "B" Zone MTBE plume appears to extend at least as far south as CPT-5, in Johnson Drive approximately 500 feet south from the Dublin Toyota UST source area.

The CPT investigation identified two deeper unnamed sand zones, one between 50 and 60 feet bgs and the other between 70 and 80 feet bgs. Grab groundwater samples from these deeper water-bearing zones showed no detectable groundwater MTBE impacts. Thus, it appears that MTBE from the project site has migrated laterally in the "B" Zone, but has not migrated vertically deeper than the "B" Zone in significant quantities.

In order to provide additional long-term groundwater MTBE data, Gribi Associates recommended installing four "B" Zone groundwater monitoring wells. Three of these wells would be located near CPT boring locations CPT-3 (onsite, southwest corner), CPT-5 (Johnson Drive, east boring), and CPT-6 (Johnson Drive, middle boring). The fourth well would be located approximately 150 east of CPT-5.

On December 3, 2009, ACEH issued a letter requesting: (1) Justification that the oxygenate contaminates in the former UST source area do not pose a significant risk to human health or the environment or a scope of work to address the apparent risk posed by these contaminants; and (2) A workplan for additional wells to monitor downgradient "B" Zone groundwater oxygenate impacts. On January 5, 2010, Gribi Associates submitted the *Soil and Water Investigation Workplan* on January 5, 2010. This workplan proposed: (1) The installation and sampling of three shallow source area groundwater monitoring wells (MW-11, MW-12, and MW-13) and four downgradient "B" Zone groundwater monitoring wells (MW-14 through MW-17); and (2) The collection and analysis of four shallow soil gas samples (SG-1 through SG-4) in the former UST source area. The workplan was approved by ACEH in a letter dated February 10, 2010.

3.0 DESCRIPTION OF FIELD ACTIVITIES

The seven groundwater monitoring wells, MW-11 through MW-17, were drilled and installed by Gregg Drilling between April 13 and April 15, 2010. All activities were conducted in accordance with the approved workplan and with applicable local, State, and Federal guidelines and statutes.

3.1 Prefield Activities

Prior to beginning field activities, written approval was obtained from ACEH. Also, a drilling permit (Permit No. 2010018) was obtained from Alameda County Zone 7 Water Agency and 72-hour notification was given prior to implementing field activities. Additionally, an encroachment permit (Permit No. ENCR 201945) was obtained from the City of Pleasanton to facilitate installation of the offsite monitoring wells within the city right-of-way. Copies of the permits are included in Appendix A.

Prior to implementing field activities, proposed drilling locations were be marked with white paint, and Underground Services Alert (USA) was notified at least 48 hours prior to drilling. Also, a private underground utility locator was retained to conducted an independent clearance of the proposed well locations.

Prior to initiating drilling activities, a Site Safety Plan was prepared, and a tailgate safety meeting will be conducted with all site workers.

3.2 Location of Monitoring Wells

Source area shallow well locations, MW-11, MW-12 and MW-13, are shown on Figure3, and downgradient "B" Zone wells, MW-14 through MW-17, are shown on Figure 4. Shallow wells MW-11 and MW-12 were located on the respective north and west sides of the former UST cavity, adjacent to recent borings GB-1, GB-5, and GB-6, to provide representative groundwater quality data in areas where grab groundwater samples showed elevated MTBE concentrations. Shallow well MW-13 was sited approximately 40 feet southwest from the former UST source area to provide representative groundwater quality data immediately southwest (downgradient) from the former UST cavity.

"B" Zone well MW-14, was sited in the southwest corner of the site, near recent CPT boring CPT-3 and will help delineate the western limit of the "B" Zone MTBE plume. Monitoring wells MW-15, MW-16, and MW-17 were sited in a west-to-east fashion along Johnson Drive, approximately 320 feet south of the subject property and over 500 feet south from the former site USTs, on the opposite side of Interstate 580, in an expected downgradient groundwater flow direction from the former site USTs.. MW-15 and MW-16 were located near recent CPT borings CPT-6 and CPT-5, respectively. MW-17 was located approximately 150 feet east from proposed monitoring well MW-16.

3.3 Drilling and Installation of Groundwater Monitoring Wells

3.3.1 Drilling and Sampling of Well Borings

The shallow and deep well borings were drilled to respective depths of approximately 20 feet and 40 feet below surface grade using hollow-stem auger drilling equipment. Soils from the three shallow source area borings were logged by a qualified geologist. The deeper "B" Zone wells were drilled to depth using a wood plug to prevent heaving sands from entering the augers. Hence, soil sampling and logging was not conducted for these wells. Boring logs, which include well installation details for the seven wells are included in Appendix B. Soil cuttings for all wells were placed in sealed 55-gallon drums pending laboratory results.

Soil samples from monitoring wells MW-11, MW-12, and MW-13 were collected from the well borings at approximately 5-foot intervals starting at approximately 4 feet below grade and extending down to total depth. Undisturbed soils were sampled in advance of the auger as follows: (1) A 2-inch inside diameter California-style split spoon sampler was driven into undisturbed soil ahead of the drill bit; (2) The sampler was raised quickly to the surface and the brass liners exposed; (3) The brass liner containing the most undisturbed soil was quickly sealed with teflon sheets and plastic end caps, labeled, and wrapped tightly with tape; and (4) The sealed soil sample was placed immediately in a cooler with crushed ice for transport to the analytical laboratory under formal chain-of-custody. All sampling equipment was thoroughly cleaned and decontaminated between each sample collection by triple rinsing first with water, then with dilute tri-sodium phosphate solution, and finally with distilled water. All downhole drilling equipment, including auger and drill bit, were steam cleaned before and after drilling the well borings.

3.3.2 Installation of Groundwater Monitoring Wells

Shallow monitoring wells MW-11, MW-12, and MW-13 were constructed using 2-inch diameter Schedule 40 threaded PVC casing according to the following specifications: (1) 0.020-inch slotted well casing was placed from approximately 20 feet to 5 feet below surface grade, followed by blank casing to surface; (2) Filter sand was placed around the casing to approximately 1 foot above of top of screen, or a depth of approximately 4 feet below surface grade; (3) A 1 foot bentonite seal was placed above the filter sand to approximately 3 feet below surface grade; and (4) The remaining annulus was grouted using a Type II Portland cement slurry (two 90-pound bags of cement to 30 gallons of water) to approximate grade. The top of the well casing was set approximately 6 inches below surface grade and was enclosed in traffic-rated, flush- mounted well box set in concrete.

"B" Zone monitoring wells MW-14 through MW-17 were constructed using 2-inch diameter Schedule 40 threaded PVC casing according to the following specifications: (1) 0.020-inch slotted well casing was placed from approximately 40 feet to 30 feet below surface grade, followed by blank casing to surface; (2) Filter sand was placed around the casing to approximately 1 foot above of top of screen, or a depth of approximately 29 feet below surface grade; (3) A 2 foot bentonite seal was placed above the filter sand to approximately 27 feet below surface grade; and (4) The remaining annulus was grouted using a Type II Portland cement slurry (two 90-pound bags of cement to 30 gallons of water) to approximate grade. The top of the well casing was set approximately 6 inches below surface grade and was enclosed in traffic-rated, flush- mounted well box set in concrete.

Well construction details for the seven monitoring wells (MW-11through MW-17) are included on the boring logs in Appendix B.

3.4 Laboratory Analysis of Soil Samples

Sixteen soil samples from shallow source area monitoring well borings were analyzed for the following parameters:

- USEPA 8260B Total Petroleum Hydrocarbons as Gasoline (TPH-G)
- USEPA 8260B Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)
- USEPA 8260B Oxygenates (TAME, TBA, DIPE, ETBE, and MTBE)

All analyses were conducted by Sunstar Labs, a California-certified laboratory, with standard turnaround time on results.

4.0 RESULTS OF INVESTIGATION

4.1 General Subsurface Conditions

Soils in the three shallow source area well borings (MW-11, MW-12, and MW-13) were generally similar, consisting primarily of dark grey to brown silts and clays to 20 feet total boring depth. Groundwater was encountered in the three well borings at depths ranging from 12 to 16 feet below surface grade. During drilling, no evidence of unusual odors or staining were noted in soils from any of the seven monitoring well borings.

4.2 Results of Laboratory Analyses

Soil analytical results from the three shallow source area well borings are summarized in Table 1 and on Figure 3. The laboratory data reports and chain of custody records are contained in Appendix C.

Soil analytical results from source area well borings MW-11, MW-12, and MW-13 showed no TPH-G or BTEX concentration in any of the soil samples, with the exception of 0.011 mg/kg ethylbenzene reported in a soil sample collected from boring MW-11 at a depths of 9.0 feet below surface grade. Also, TBA concentrations of 0.41 mg/kg and 0.32 mg/kg were reported in soil samples at a depth of 19 feet below surface grade from borings MW-12 and MW-13, respectively.

Low MTBE concentrations were reported in soil samples from all three shallow source area well borings. MTBE concentrations of 0.11 mg/kg, 0.20 mg/kg and 0.024 mg/kg were reported in soil samples from boring MW-11 at depths of 4.5 feet, 9.0 feet, and 19.0 feet, respectively. Respective MTBE concentrations of 0.033 mg/kg and 0.044 mg/kg were also reported in soil samples from boring MW-12 at a depth of 14.0 feet in depth and from boring MW-13 at a depth of 19.0 feet in depth.

4.3 Determination of Wellhead Elevation

Virgil Chavez Land Surveyors has been authorized to provided Geotracker compliant coordinate (northing and easting) and elevation survey data for the new wells. The survey will be coordinated to occur with semi-annual groundwater monitoring and sampling to be conducted during the second quarter 2010.

4.4 California DWR Well Completion Report

In accordance with California Water Code Section 137501, completed California Department of Water Resources' *Well Completion Reports* (e0108760 through e0108766) are provided as Appendix D.

5.0 CONCLUSIONS

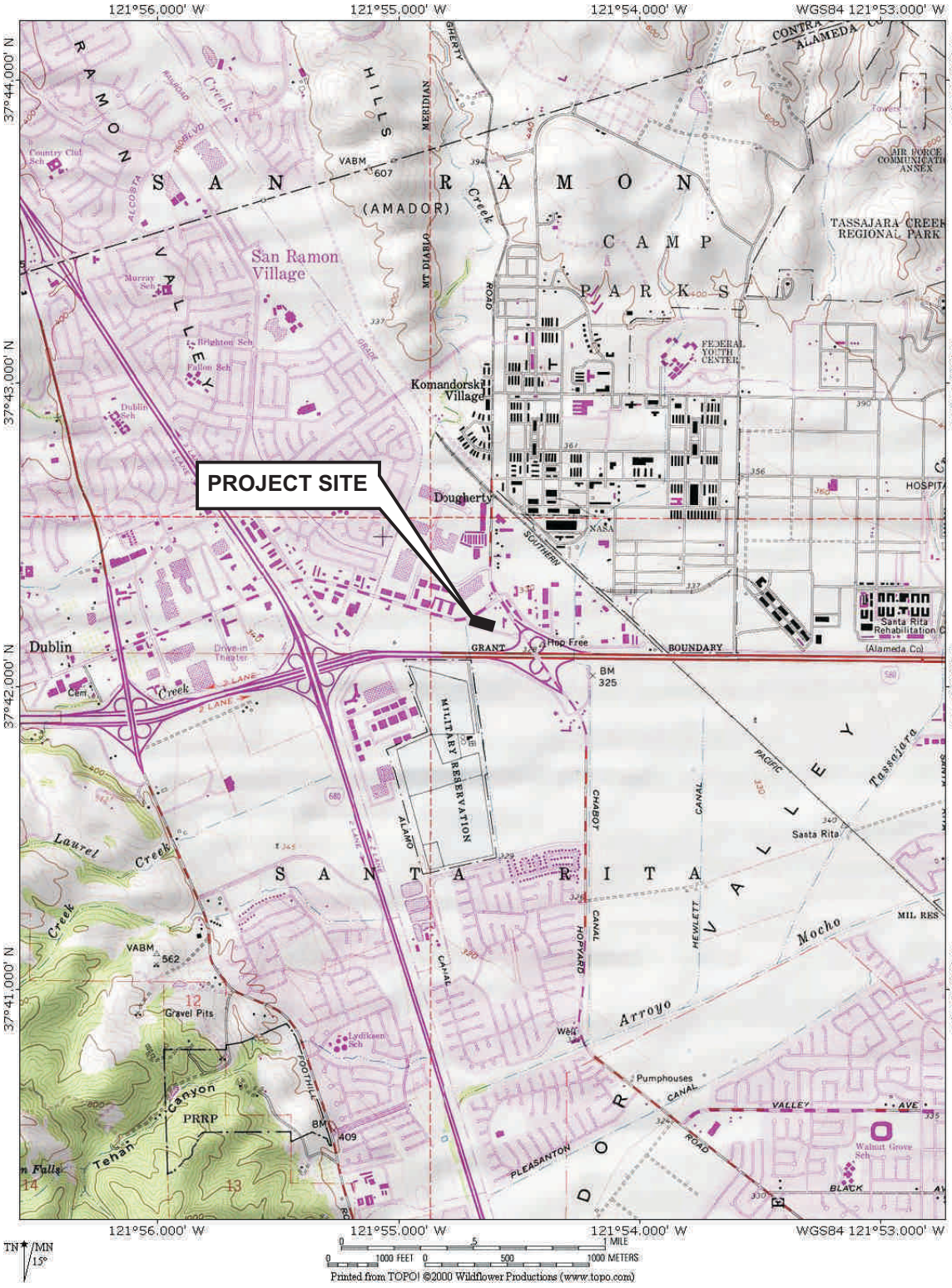
Gribi Associates recently installed three shallow source area groundwater monitoring wells (MW-11, MW-12, and MW-13) and four deeper downgradient "B" Zone groundwater monitoring wells (MW-14 through MW-17) in order to provide additional site characterization and, potentially, to address the need for site remediation.

As with results from recent source area borings GB-1 through GB-6, low to nondetectable concentrations of TPH-G and BTEX were encountered in soil samples from these shallow source-area well borings (MW-11, MW-12, and MW-13). These results indicate that significant amounts of soil contamination are not present in the former UST source area. Soil laboratory analytical results from the three shallow source area well borings did show concentrations of TBA and MTBE that are above Environmental Screening Levels. These results are similar to previous soil and groundwater results, and clearly demonstrate that the contaminants of concern for this site are oxygenates only.

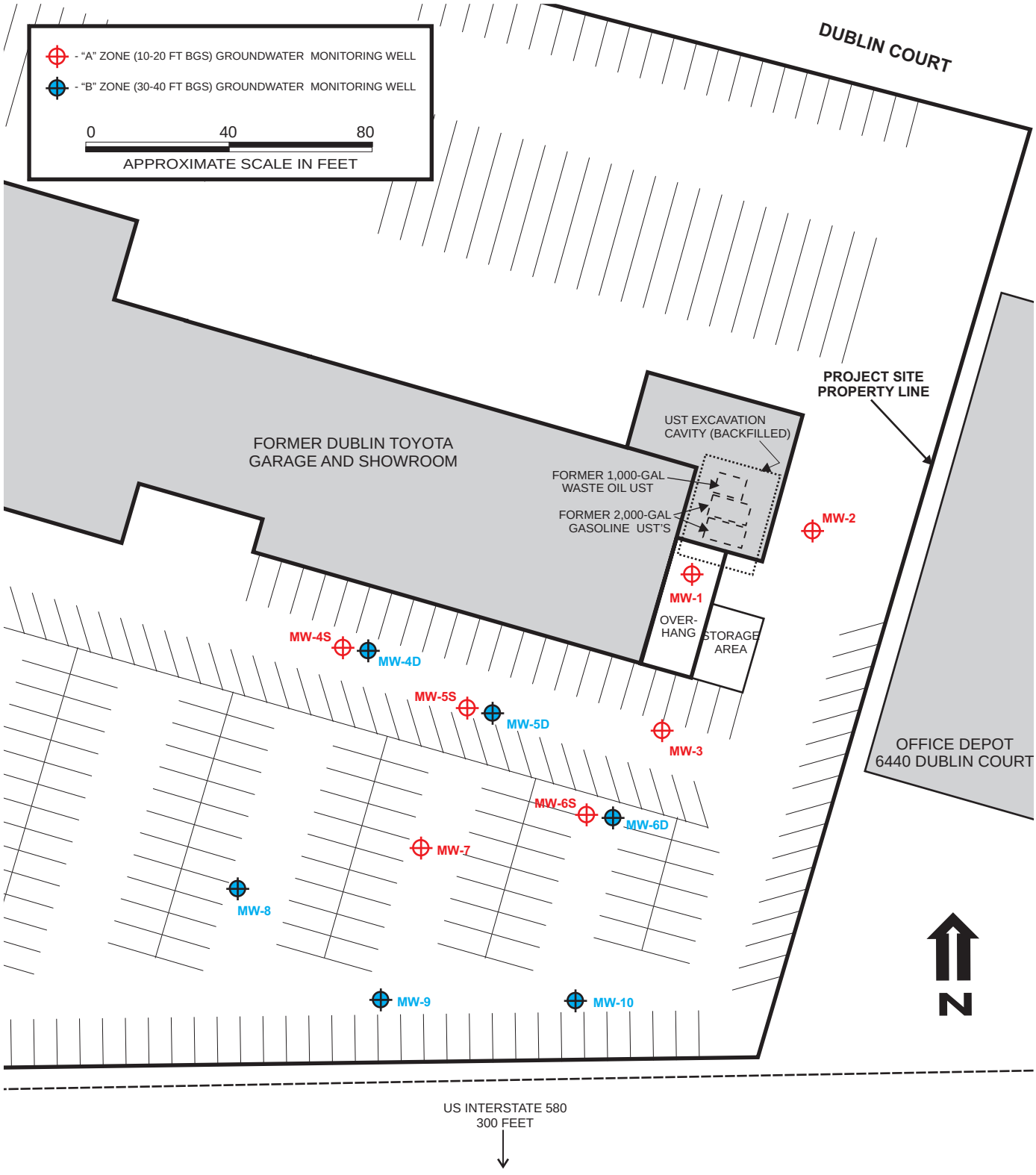
6.0 PLANNED ACTIVITIES

In accordance with the approved workplan, Gribi Associates plans to conduct soil gas sampling in the former UST source area in the next three to four weeks. Also, existing wells (including EW-1 and EW-2) and newly installed wells MW-11 through MW-17 will be monitored in the next two to four weeks. After completing these planned activities, Gribi Associates will provide recommendations for additional activities to move this site towards regulatory closure.

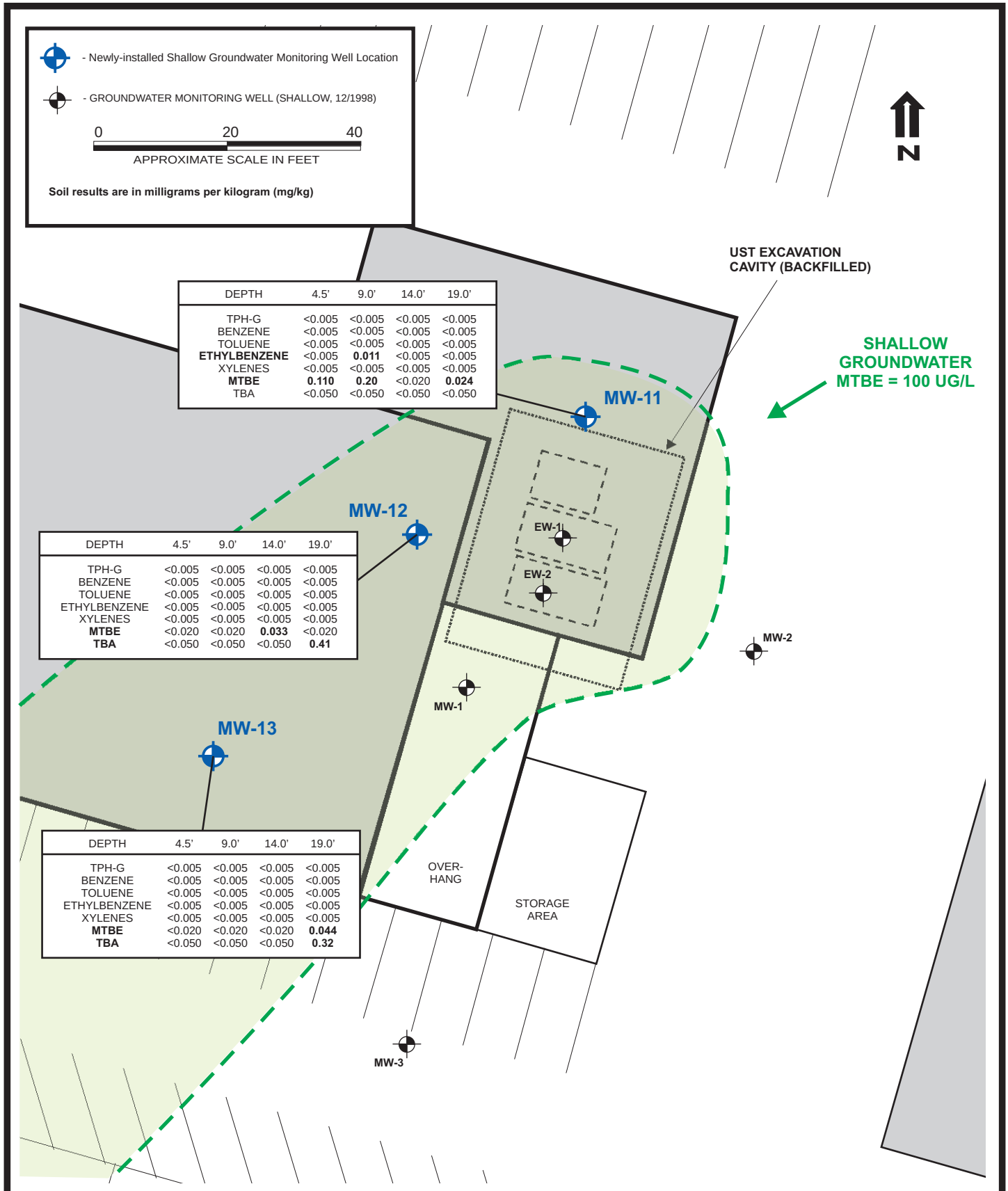
FIGURES



DESIGNED BY:	CHECKED BY:	**SITE VICINITY MAP**	DATE: 05/14/2010	FIGURE: **1**
DRAWN BY: MAR	SCALE:	DUBLIN TOYOTA UST SITE 6450 DUBLIN COURT DUBLIN, CALIFORNIA	GRIBI	
PROJECT NO:				



DESIGNED BY:	CHECKED BY:	**SITE PLAN**	DATE: 05/14/2010	FIGURE: **2**
DRAWN BY: MAR	SCALE:	DUBLIN TOYOTA UST SITE 6450 DUBLIN COURT DUBLIN, CALIFORNIA	GRIBI	
PROJECT NO:				

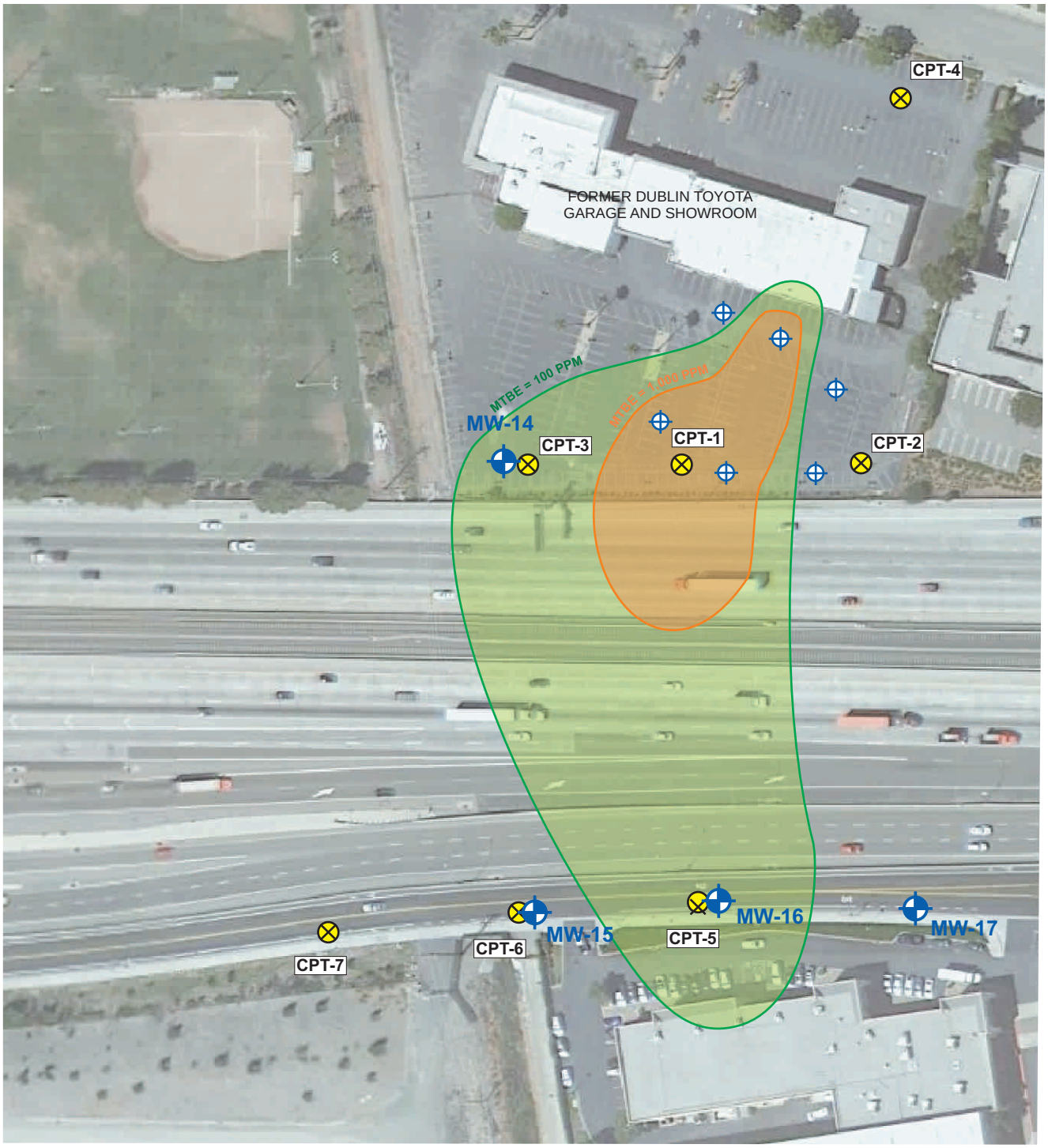


DEPTH	4.5'	9.0'	14.0'	19.0'
TPH-G	<0.005	<0.005	<0.005	<0.005
BENZENE	<0.005	<0.005	<0.005	<0.005
TOLUENE	<0.005	<0.005	<0.005	<0.005
ETHYLBENZENE	<0.005	**0.011**	<0.005	<0.005
XYLENES	<0.005	<0.005	<0.005	<0.005
MTBE	**0.110**	**0.20**	<0.020	**0.024**
TBA	<0.050	<0.050	<0.050	<0.050

DEPTH	4.5'	9.0'	14.0'	19.0'
TPH-G	<0.005	<0.005	<0.005	<0.005
BENZENE	<0.005	<0.005	<0.005	<0.005
TOLUENE	<0.005	<0.005	<0.005	<0.005
ETHYLBENZENE	<0.005	<0.005	<0.005	<0.005
XYLENES	<0.005	<0.005	<0.005	<0.005
MTBE	<0.020	<0.020	**0.033**	<0.020
TBA	<0.050	<0.050	<0.050	**0.41**

DEPTH	4.5'	9.0'	14.0'	19.0'
TPH-G	<0.005	<0.005	<0.005	<0.005
BENZENE	<0.005	<0.005	<0.005	<0.005
TOLUENE	<0.005	<0.005	<0.005	<0.005
ETHYLBENZENE	<0.005	<0.005	<0.005	<0.005
XYLENES	<0.005	<0.005	<0.005	<0.005
MTBE	<0.020	<0.020	<0.020	**0.044**
TBA	<0.050	<0.050	<0.050	**0.32**

DESIGNED BY:	CHECKED BY:	**NEW SHALLOW WELLS WITH SOIL HYDROCARBON RESULTS**	DATE: 05/14/2010
DRAWN BY: MAR	SCALE:	DUBLIN TOYOTA UST SITE 6450 DUBLIN COURT DUBLIN, CALIFORNIA	FIGURE: **3**
PROJECT NO:			GRIBI



- Newly-installed "B" Zone Groundwater Monitoring Well Location
- CPT Boring Location (Gribi Associates, April 2009)
- "B" Zone Groundwater Monitoring Well - Screened from approximately 30-40 feet below surface grade.

N

0 120 240

APPROXIMATE SCALE IN FEET

DESIGNED BY:	CHECKED BY:	**NEW DEEP "B" ZONE WELL LOCATIONS**	DATE: 05/14/2010
DRAWN BY: MAR	SCALE:	DUBLIN TOYOTA UST SITE 6450 DUBLIN COURT DUBLIN, CALIFORNIA	FIGURE: **4**
PROJECT NO:			GRIBI

TABLES

Table 1
SUMMARY OF SOIL AND GROUNDWATER ANALYTICAL RESULTS
Dublin Toyota UST Site

Sample ID	Sample Matrix	Sample Depth	Soil Concentration: milligrams per kilogram (mg/kg),						
			TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes	TBA	MTBE
MW-11-4.5	Soil	4.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	<0.050	**0.11**
MW-11-9.0	Soil	9.0 feet	<0.5	<0.005	<0.005	**0.011**	<0.01	<0.050	**0.20**
MW-11-14.0	Soil	14.0 feet	<0.5	<0.005	<0.005	<0.005	<0.01	<0.050	<0.02
MW-11-19.0	Soil	19.0 feet	<0.5	<0.005	<0.005	<0.005	<0.01	<0.050	**0.024**
MW-12-4.5	Soil	4.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	<0.050	<0.02
MW-12-9.0	Soil	9.0 feet	<0.5	<0.005	<0.005	<0.005	<0.01	<0.050	<0.02
MW-12-14.0	Soil	14.0 feet	<0.5	<0.005	<0.005	<0.005	<0.01	<0.050	**0.033**
MW-12-19.0	Soil	19.0 feet	<0.5	<0.005	<0.005	<0.005	<0.01	**0.41**	<0.02
MW-13-4.5	Soil	4.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	<0.050	<0.02
MW-13-9.0	Soil	9.0 feet	<0.5	<0.005	<0.005	<0.005	<0.01	<0.050	<0.02
MW-13-14.0	Soil	14.0 feet	<0.5	<0.005	<0.005	<0.005	<0.01	<0.050	<0.02
MW-13-19.0	Soil	19.0 feet	<0.5	<0.005	<0.005	<0.005	<0.01	**0.32**	**0.044**
Shallow Soil ESL, groundwater IS a drinking water source, commercial land use			**83**	**0.044**	**2.9**	**3.3**	**2.3**	**0.075**	**0.023**

Table Notes:

TPH-D = total petroleum hydrocarbons as diesel
TPH-G = total petroleum hydrocarbons as gasoline
MTBE = Methyl tert-butyl ether
<1.0 = Not detected above the expressed detection level.
All ND = No detectable concentrations of full list of constituents

ESL = Environmental Screening Levels, as contained in *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, San Francisco Bay Regional Water Quality Control Board, Interim Final, May 2008.

APPENDIX A

DRILLING AND ENCROACHMENT PERMITS

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 454-5728

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 6450 DUBLIN COURT, DUBLIN, CALIFORNIA,

California Coordinates Source _____ ft. Accuracy _____ ft.
CCN _____ ft. CCE _____ ft.
APN _____

CLIENT
Name DUBLIN TOYOTA
Address 4321 TOYOTA DRIVE Phone 925-241-7335
City DUBLIN, CALIFORNIA Zip 94568

APPLICANT
Name GRIBI ASSOCIATES
Fax 707-748-7763
Address 1090 ADAMS STREET, #K Phone 707-748-7743
City BENICIA, CALIFORNIA Zip 94510

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	☐	General	☐
Water Supply	☐	Contamination	☐
Monitoring	XX	Well Destruction	☐

PROPOSED WELL USE

New Domestic	☐	Irrigation	☐
Municipal	☐	Remediation	☐
Industrial	☐	Groundwater Monitoring	XX
Dewatering	☐	Other _____	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Hollow Stem Auger	XX
Cable Tool	☐	Direct Push	☐	Other _____	☐

DRILLING COMPANY GREGG DRILLING AND TESTING
DRILLER'S LICENSE NO. 485165

WELL PROJECTS
Drill Hole Diameter 8.0 in. Maximum
Casing Diameter 2.0 in. Depth 40 ft.
Surface Seal Depth 28.0 ft. Number 7

SOIL BORINGS
Number of Borings _____ Maximum
Hole Diameter _____ in. Depth _____ ft.

ESTIMATED STARTING DATE APRIL 20, 2010
ESTIMATED COMPLETION DATE APRIL 25, 2010

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.
APPLICANT'S SIGNATURE _____ Date 2/22/2010

ATTACH SITE PLAN OR SKETCH

PERMIT NUMBER 2010018
WELL NUMBER 3S/1E-6E24 to 6E27 MW-11 to MW-14),
APN 941-1400-007-00 3S/1E-6M5 to 6M7 (MW-15 to MW-17)

PERMIT CONDITIONS

(Circled Permit Requirements Apply)

(A) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

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

(C) GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

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

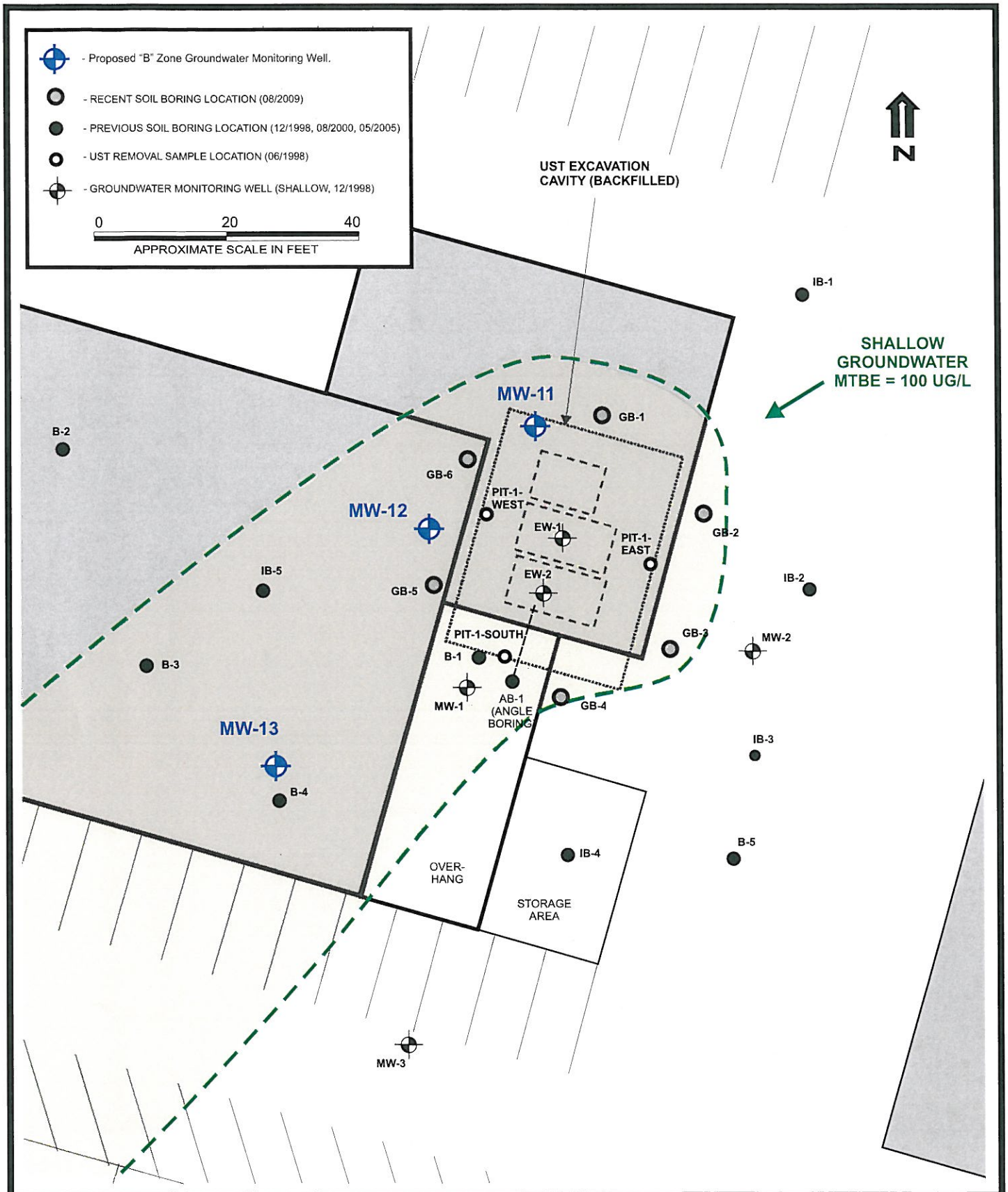
E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

F. WELL DESTRUCTION. See attached.

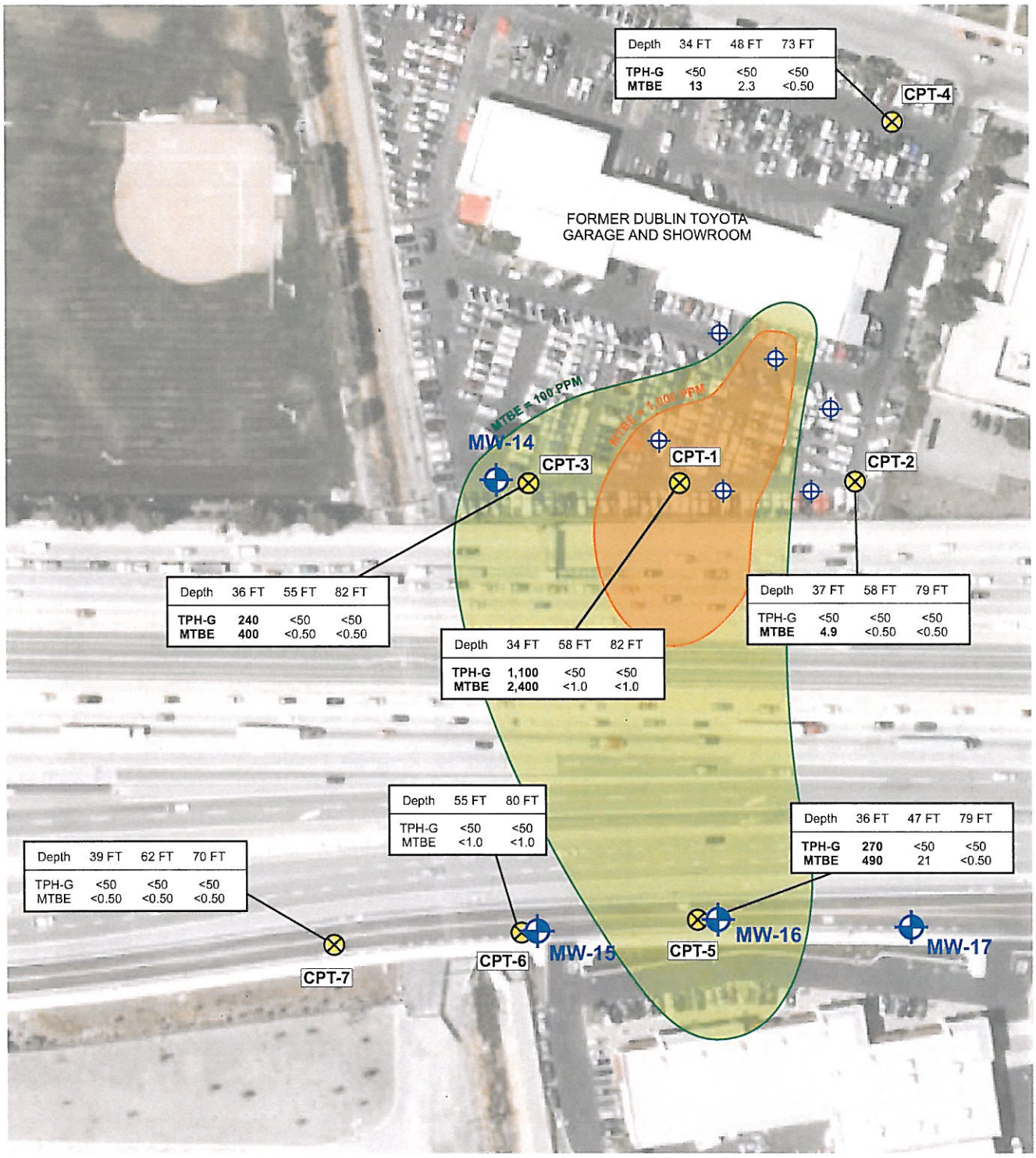
(G) SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after the completion of permitted work the well installation report including all soil and water laboratory analysis results.

Approved Wyman Hong Date 3/3/10
Wyman Hong

Revised: April 27, 2005



DESIGNED BY:	CHECKED BY:	**PROPOSED SOURCE AREA SHALLOW WELL LOCATIONS**	DATE: 01/05/2010	FIGURE: 3
DRAWN BY: MAR	SCALE:	DUBLIN TOYOTA UST SITE 6450 DUBLIN COURT DUBLIN, CALIFORNIA	GRIBI	
PROJECT NO:				



- Proposed "B" Zone Groundwater Monitoring Well.
- CPT Boring Location
- "B" Zone Groundwater Monitoring Well - Screened from approximately 30-40 feet below surface grade.

N

0 120 240

APPROXIMATE SCALE IN FEET

DESIGNED BY:	CHECKED BY:	**PROPOSED "B" ZONE GROUNDWATER MONITORING WELL LOCATION**	DATE: 01/05/2010 FIGURE: **4**
DRAWN BY: MAR	SCALE:	DUBLIN TOYOTA UST SITE 6450 DUBLIN COURT DUBLIN, CALIFORNIA	GRIBI
PROJECT NO:			

THE CITY OF PLEASANTON

PUBLIC WORKS PERMIT

-Inspections must be requested 24 Hours prior to Starting Work-

Project Address	**APN#**	**Permit #:** ENCR 201945 **Applicant** DUBLIN TOYOTA

Project: ASSIGN -

Owner	**Contractor**
GRIBI ASSOCIATES 1090 ADAMS ST BENICIA, CA 94510 **Phone:** 707-748-7743	GRIBI ASSOCIATES BENICIA, CA 94510 WELL DRILLING 485165

Scope of Work ENCR-WELL ENCR FOR INSTALLING MONITORING WELL

THREE WATER MONITORING WELLS PROPOSED IN BIKE LN AT 6400 JOHNSON DR. SEE APPROVED PLAN AND TRAFFIC CONTROL PLAN.

Comments

Quantity	**Description**	**Amount**
	MISC ENCROACHMENT PERMIT	320.00

Entered: ARB

CALL CONSTRUCTION INSPECTION 24 HRS PRIOR TO START OF WORK (925) 931-5680

All work to be performed to City of Pleasanton Standard Details and Specifications. This permit is issued pursuant to all provisions of the City of Pleasanton Municipal Code, Chapter 13.04, Encroachment.

Total Fees: $320.00 **Payment:** $320.00

Issued By: _____ **Date of Issue:** 02-APR-2010

Applicant or Agent: _____ **Date:** 4/02/2010

Engineering Division: (925) 931-5650 **Public Works Inspections: (925) 931-5680**

- Proposed "B" Zone Groundwater Monitoring Well.
- CPT Boring Location
- "B" Zone Groundwater Monitoring Well - Screened from approximately 30-40 feet below surface grade.

N

0 120 240

APPROXIMATE SCALE IN FEET

DESIGNED BY:	CHECKED BY:	**PROPOSED "B" ZONE GROUNDWATER MONITORING WELL LOCATION**	DATE: 01/05/2010
DRAWN BY: MAR	SCALE:	DUBLIN TOYOTA UST SITE 6450 DUBLIN COURT DUBLIN, CALIFORNIA	FIGURE: 4
PROJECT NO:			GRIBI

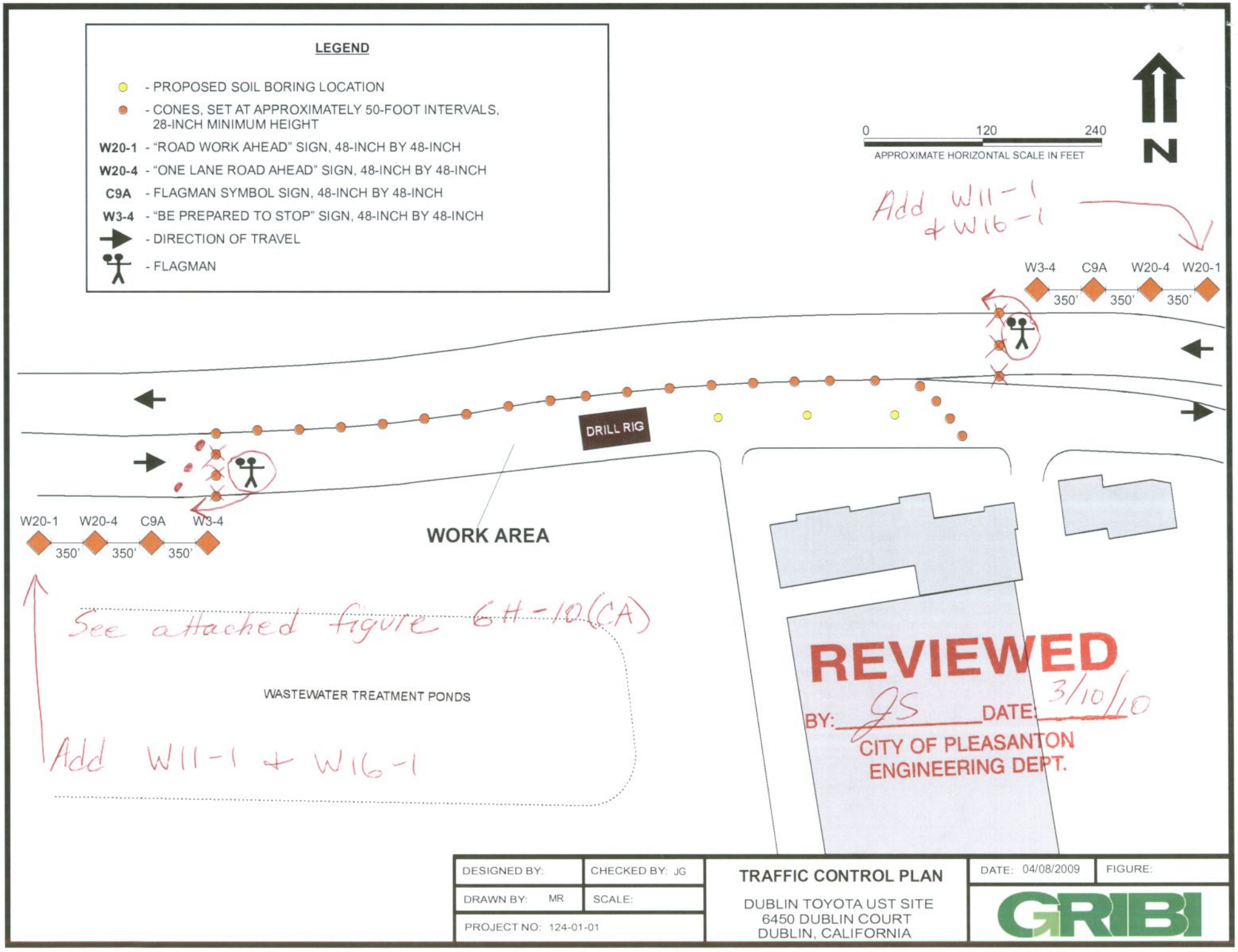
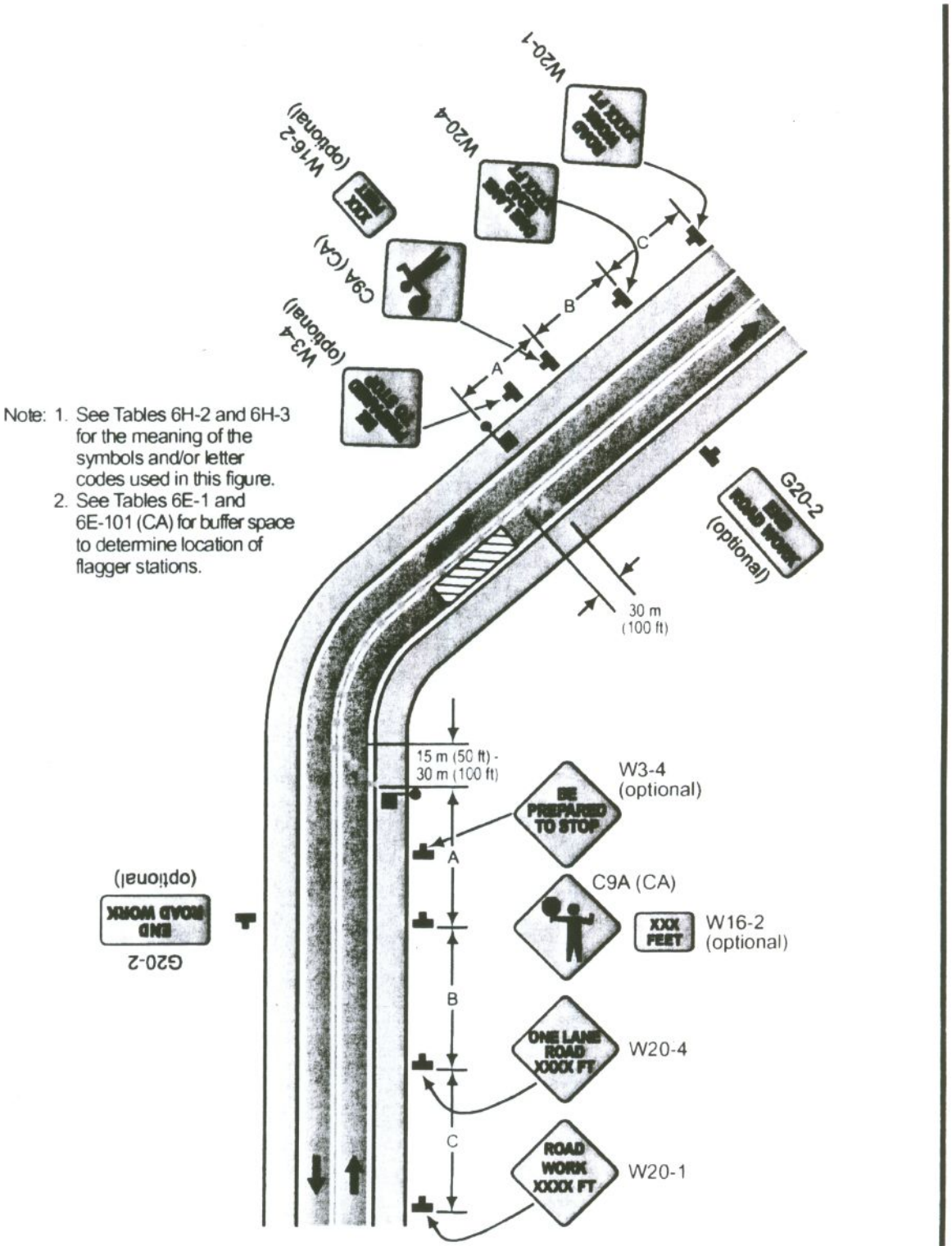
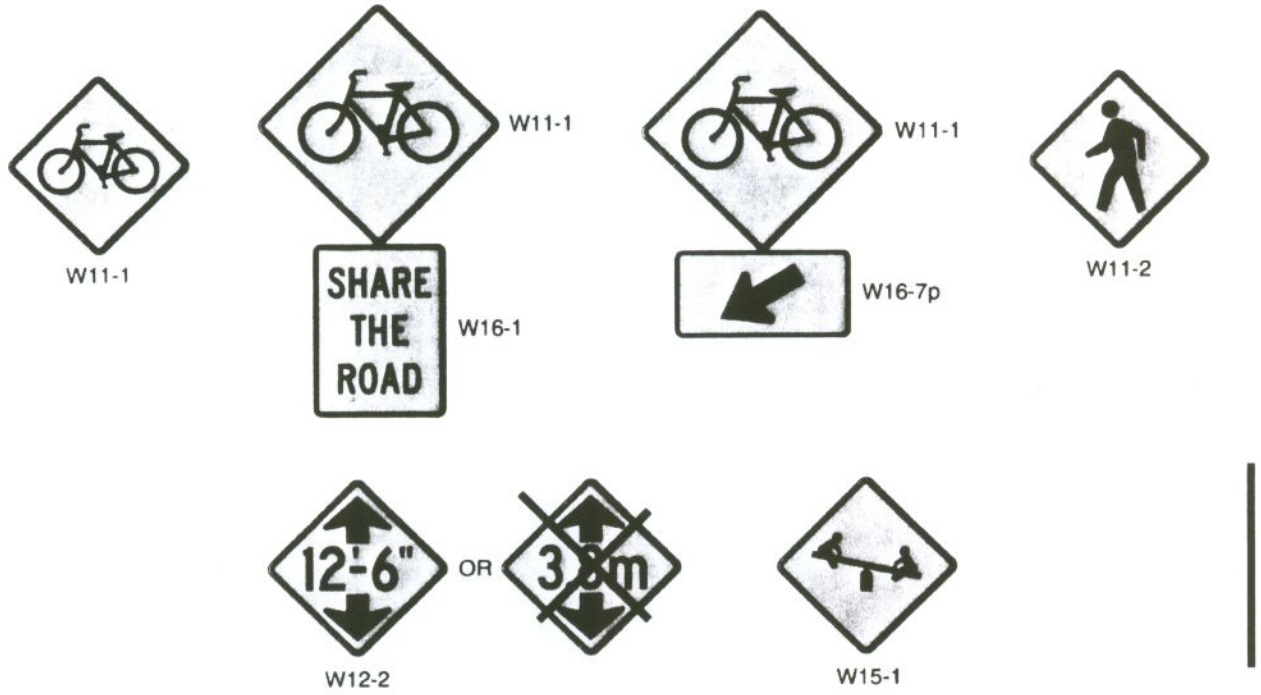

LEGEND
- PROPOSED SOIL BORING LOCATION
- CONES, SET AT APPROXIMATELY 50-FOOT INTERVALS, 28-INCH MINIMUM HEIGHT
W20-1 - "ROAD WORK AHEAD" SIGN, 48-INCH BY 48-INCH
W20-4 - "ONE LANE ROAD AHEAD" SIGN, 48-INCH BY 48-INCH
C9A - FLAGMAN SYMBOL SIGN, 48-INCH BY 48-INCH
W3-4 - "BE PREPARED TO STOP" SIGN, 48-INCH BY 48-INCH
- DIRECTION OF TRAVEL
- FLAGMAN
0 120 240
APPROXIMATE HORIZONTAL SCALE IN FEET
N
Add W11-1 + W16-1
W3-4 C9A W20-4 W20-1
350' 350' 350'
DRILL RIG
W20-1 W20-4 C9A W3-4
350' 350' 350'
WORK AREA
See attached figure 6H-10(CA)
WASTEWATER TREATMENT PONDS
Add W11-1 + W16-1
REVIEWED
BY: JS DATE: 3/10/10
CITY OF PLEASANTON
ENGINEERING DEPT.
DESIGNED BY:
CHECKED BY: JG
DRAWN BY: MR
SCALE:
PROJECT NO: 124-01-01
TRAFFIC CONTROL PLAN
DUBLIN TOYOTA UST SITE
6450 DUBLIN COURT
DUBLIN, CALIFORNIA
DATE: 04/08/2009
FIGURE:
GRIBI

Figure 6H-10 (CA). Lane Closure on Two-Lane Road Using Flaggers (TA-10)



Typical Application 10

Figure 9B-3. Warning Signs for Bicycle Facilities *(Sheet 2 of 2)*



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APPENDIX B

SOIL BORING LOGS

LOG OF SOIL BORING

GRIBI Associates

SHEET 1 OF 1

BORING NUMBER : **MW-11**

BORING LOCATION:

BORING TYPE: MONITORING WELL

PROJECT NAME: DUBLIN TOYOTA UST SITE
DUBLIN, CALIFORNIA

LOGGED BY: MATTHEW ROSMAN

START DATE: 04/13/2010

COMPLETION DATE: 04/13/2010

DRILLING CONTRACTOR: GREGG DRILLING

DRILLING METHOD: HOLLOW-STEM AUGER

BOREHOLE DIAMETER: 8.0 INCHES

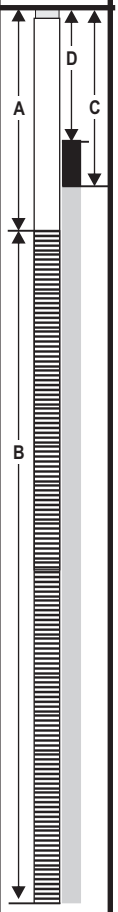
COMPLETION METHOD: WELL BOX

BORING TOTAL DEPTH: 20.0 FEET

GROUNDWATER DEPTH:

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL
						0.0 - 1.0 ft. Concrete and baserock.
					CL	1.0 - 5.0 ft. **Silty Clay (CL)** Dark grey, moist, stiff, no odor or staining.
5	MW-11-4.5	4.5 FT.				
	MW-4-9.0	9.0 FT.			CL	8.5 - 10.0 ft. **Silty Clay (CL)** Dark grey becoming grey-brown, moist, stiff, no odor or staining.
10						
	MW-4-14.0	14.0 FT.			CL	13.5 - 15.0 ft. **Silty Clay (CL)** Dark brown, moist, medium stiff, no odor or staining.
15						
	MW-4-19.0	19.0 FT.			CL	18.5 - 20.0 ft. **Silty Clay (CL)** Grey-brown, moist, stiff, slightly sandy - very fine grain, no odor or staining.
20						TOTAL DEPTH: 20.0 FEET (below ground surface)
25						

PIEZOMETER\ WELL INSTALLATION



WELL SPECIFICATIONS

A - WELL SCREEN DEPTH:	4.71 FT	CASING TYPE: SCH 40 PVC
B - WELL SCREEN LENGTH:	14.65 FT	CASING SIZE: 2.0 INCH
C - DEPTH TO TOP OF SAND:	4.00 FT	SLOT SIZE: 0.020 INCH
D - DEPTH BENTONITE SEAL:	3.00 FT	

LOG OF SOIL BORING

GRIBI Associates

SHEET 1 OF 1

BORING NUMBER : **MW-12**

BORING LOCATION:

BORING TYPE: MONITORING WELL

PROJECT NAME: DUBLIN TOYOTA UST SITE
DUBLIN, CALIFORNIA

LOGGED BY: MATTHEW ROSMAN

START DATE: 04/15/2010

COMPLETION DATE: 04/15/2010

DRILLING CONTRACTOR: GREGG DRILLING

DRILLING METHOD: HOLLOW-STEM AUGER

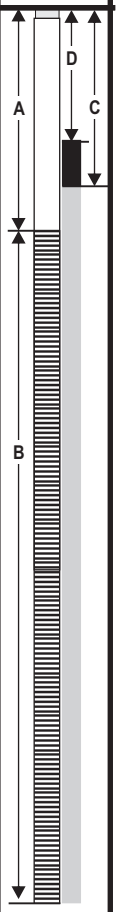
BOREHOLE DIAMETER: 8.0 INCHES

COMPLETION METHOD: WELL BOX

BORING TOTAL DEPTH: 20.0 FEET

GROUNDWATER DEPTH:

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL	PIEZOMETER\ WELL INSTALLATION
						0.0 - 1.0 ft. Concrete and baserock.	
					CL	1.0 - 5.0 ft. **Silty Clay (CL)** Brown, most, slightly sandy - very fine grain, stiff, no odor or staining.	
5	MW-11-4.5	4.5 FT.					
					CL	8.5 - 10.0 ft. **Clay (CL)** Dark grey, slightly silty, moist, medium stiff, no odor or staining.	
10	MW-4-9.0	9.0 FT.					
					CL	13.5 - 15.0 ft. **Silty Clay (CL)** Dark grey-brown, moist, stiff to very stiff, no odor or staining.	
15	MW-4-14.0	14.0 FT.					
					CL	18.5 - 20.0 ft. **Silty Clay (CL)** Light grey-brown, moist, very stiff, no odor or staining.	
20	MW-4-19.0	19.0 FT.					
						TOTAL DEPTH: 20.0 FEET (below ground surface)	
25							



WELL SPECIFICATIONS

A - WELL SCREEN DEPTH:	4.67 FT	CASING TYPE: SCH 40 PVC
B - WELL SCREEN LENGTH:	14.67 FT	CASING SIZE: 2.0 INCH
C - DEPTH TO TOP OF SAND:	4.00 FT	SLOT SIZE: 0.020 INCH
D - DEPTH BENTONITE SEAL:	3.00 FT	

LOG OF SOIL BORING

GRIBI Associates

SHEET 1 OF 1

BORING NUMBER : **MW-13**

BORING LOCATION:

BORING TYPE: MONITORING WELL

PROJECT NAME: DUBLIN TOYOTA UST SITE
DUBLIN, CALIFORNIA

LOGGED BY: MATTHEW ROSMAN

START DATE: 04/15/2010

COMPLETION DATE: 04/15/2010

DRILLING CONTRACTOR: GREGG DRILLING

DRILLING METHOD: HOLLOW-STEM AUGER

BOREHOLE DIAMETER: 8.0 INCHES

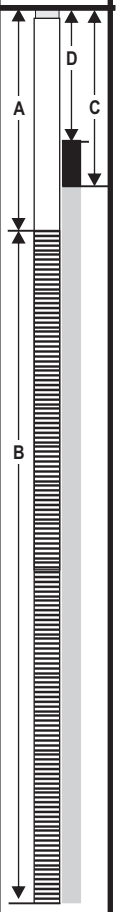
COMPLETION METHOD: WELL BOX

BORING TOTAL DEPTH: 20.0 FEET

GROUNDWATER DEPTH:

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL
						0.0 - 1.0 ft. Concrete and baserock.
					CL	1.0 - 5.0 ft. **Silty Clay (CL)** Brown, moist, stiff, slightly sandy, no odor or staining.
5	MW-11-4.5	4.5 FT.				
					CL	8.5 - 10.0 ft. **Clay (CL)** Dark grey, slightly silty, thin sand lens - very fine grain, no odor or staining.
10	MW-4-9.0	9.0 FT.				
					CL	13.5 - 15.0 ft. **Silty Clay (CL)** Grey-brown, moist, stiff to very stiff, slightly sandy - very fine grain, no odor or staining.
15	MW-4-14.0	14.0 FT.				
					CL	18.5 - 20.0 ft. **Silty Clay (CL)** Light grey-brown, moist, stiff, silt content increasing with depth, no odor or staining.
20	MW-4-19.0	19.0 FT.				
						TOTAL DEPTH: 20.0 FEET (below ground surface)
25						

PIEZOMETER\ WELL INSTALLATION



WELL SPECIFICATIONS

A - WELL SCREEN DEPTH:	4.71 FT	CASING TYPE: SCH 40 PVC
B - WELL SCREEN LENGTH:	14.63 FT	CASING SIZE: 2.0 INCH
C - DEPTH TO TOP OF SAND:	4.00 FT	SLOT SIZE: 0.020 INCH
D - DEPTH BENTONITE SEAL:	3.00 FT	

LOG OF SOIL BORING

GRIBI Associates

SHEET 1 OF 1

BORING NUMBER : **MW-14**

BORING LOCATION:

BORING TYPE: MONITORING WELL

PROJECT NAME: DUBLIN TOYOTA UST SITE
DUBLIN, CALIFORNIA

LOGGED BY: MATTHEW ROSMAN

START DATE: 04/13/2010

COMPLETION DATE: 04/13/2010

DRILLING CONTRACTOR: GREGG DRILLING

DRILLING METHOD: HOLLOW-STEM AUGER

BOREHOLE DIAMETER: 8.0 INCHES

COMPLETION METHOD: WELL BOX

BORING TOTAL DEPTH: 40.0 FEET

GROUNDWATER DEPTH:

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL	PIEZOMETER\ WELL INSTALLATION
5, 10, 15, 20, 25, 30, 35, 40						**Well was drilled to depth using wood plug. Soil samples were not collected and subsurface lithology was not logged.**	A, B, C, D

WELL SPECIFICATIONS

A - WELL SCREEN DEPTH:	29.72 FT	CASING TYPE: SCH 40 PVC
B - WELL SCREEN LENGTH:	9.85 FT	CASING SIZE: 2.0 INCH
C - DEPTH TO TOP OF SAND:	29.00 FT	SLOT SIZE: 0.020 INCH
D - DEPTH BENTONITE SEAL:	27.00 FT	

LOG OF SOIL BORING

GRIBI Associates

SHEET 1 OF 1

BORING NUMBER : **MW-15**

BORING LOCATION:

BORING TYPE: MONITORING WELL

PROJECT NAME: DUBLIN TOYOTA UST SITE
DUBLIN, CALIFORNIA

LOGGED BY: MATTHEW ROSMAN

START DATE: 04/14/2010

COMPLETION DATE: 04/14/2010

DRILLING CONTRACTOR: GREGG DRILLING

DRILLING METHOD: HOLLOW-STEM AUGER

BOREHOLE DIAMETER: 8.0 INCHES

COMPLETION METHOD: WELL BOX

BORING TOTAL DEPTH: 40.0 FEET

GROUNDWATER DEPTH:

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL	PIEZOMETER\ WELL INSTALLATION
5, 10, 15, 20, 25, 30, 35, 40						**Well was drilled to depth using wood plug. Soil samples were not collected and subsurface lithology was not logged.**	A, B, C, D

WELL SPECIFICATIONS

A - WELL SCREEN DEPTH:	29.46 FT	CASING TYPE: SCH 40 PVC
B - WELL SCREEN LENGTH:	9.88 FT	CASING SIZE: 2.0 INCH
C - DEPTH TO TOP OF SAND:	29.00 FT	SLOT SIZE: 0.020 INCH
D - DEPTH BENTONITE SEAL:	27.00 FT	

LOG OF SOIL BORING

GRIBI Associates

SHEET 1 OF 1

BORING NUMBER : **MW-16**

BORING LOCATION:

BORING TYPE: MONITORING WELL

PROJECT NAME: DUBLIN TOYOTA UST SITE
DUBLIN, CALIFORNIA

LOGGED BY: MATTHEW ROSMAN

START DATE: 04/14/2010

COMPLETION DATE: 04/14/2010

DRILLING CONTRACTOR: GREGG DRILLING

DRILLING METHOD: HOLLOW-STEM AUGER

BOREHOLE DIAMETER: 8.0 INCHES

COMPLETION METHOD: WELL BOX

BORING TOTAL DEPTH: 40.0 FEET

GROUNDWATER DEPTH:

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL	PIEZOMETER\ WELL INSTALLATION
5, 10, 15, 20, 25, 30, 35, 40						**Well was drilled to depth using wood plug. Soil samples were not collected and subsurface lithology was not logged.**	A, B, C, D

WELL SPECIFICATIONS

A - WELL SCREEN DEPTH:	29.48 FT	CASING TYPE: SCH 40 PVC
B - WELL SCREEN LENGTH:	9.85 FT	CASING SIZE: 2.0 INCH
C - DEPTH TO TOP OF SAND:	29.00 FT	SLOT SIZE: 0.020 INCH
D - DEPTH BENTONITE SEAL:	27.00 FT	

LOG OF SOIL BORING

GRIBI Associates

SHEET 1 OF 1

BORING NUMBER : **MW-17**

BORING LOCATION:

BORING TYPE: MONITORING WELL

PROJECT NAME: DUBLIN TOYOTA UST SITE
DUBLIN, CALIFORNIA

LOGGED BY: MATTHEW ROSMAN

START DATE: 04/14/2010

COMPLETION DATE: 04/14/2010

DRILLING CONTRACTOR: GREGG DRILLING

DRILLING METHOD: HOLLOW-STEM AUGER

BOREHOLE DIAMETER: 8.0 INCHES

COMPLETION METHOD: WELL BOX

BORING TOTAL DEPTH: 40.0 FEET

GROUNDWATER DEPTH:

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL	PIEZOMETER\ WELL INSTALLATION
5, 10, 15, 20, 25, 30, 35, 40						**Well was drilled to depth using wood plug. Soil samples were not collected and subsurface lithology was not logged.**	A, B, C, D

WELL SPECIFICATIONS

A - WELL SCREEN DEPTH:	29.46 FT	CASING TYPE: SCH 40 PVC
B - WELL SCREEN LENGTH:	9.88 FT	CASING SIZE: 2.0 INCH
C - DEPTH TO TOP OF SAND:	29.00 FT	SLOT SIZE: 0.020 INCH
D - DEPTH BENTONITE SEAL:	27.00 FT	

APPENDIX C

LABORATORY DATA REPORTS AND CHAIN OF CUSTODY RECORDS

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

20 April 2010

Jim Gribi
Gribi Associates
1090 Adam Street, Suite K
Benicia, CA 94510

RE: Dublin Toyota

Enclosed are the results of analyses for samples received by the laboratory on 04/15/10 09:27. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John Shepler
Laboratory Director

SunStar Laboratories, Inc.
3002 Dow Ave., Ste. 212
Tustin, CA 92780
714-505-4010

Chain of Custody Record

Client: Grubl Associates
Address:
Phone: Fax:
Project Manager: J Grubl

Date: 4/14/10 Page: 1 Of 1
Project Name: Dublin Toyota
Collector: M. Rosman Client Project #:
Batch #: T000331

COC 72591

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals					Laboratory ID #	Comments/Preservative	Total # of containers
MW-11-4.5	4/13/10	1325	Soil	Stepp														01		
MW-11-9.0		1335																02		
MW-11-14.0		1345																03		
MW-11-19.0		1355																04		

Relinquished by: (signature) Date / Time 4/14/10 2:05
Received by: (signature) Date / Time 4/14/10 2:05
Relinquished by: (signature) Date / Time
Received by: (signature) Date / Time
Relinquished by: (signature) GSO Date / Time 4/15/10 9:27
Received by: (signature) Date / Time 4-15-10 9:27

Total # of containers 4
Chain of Custody seals Y/N/NA Y
Seals intact? Y/N/NA Y
Received good condition/cold 3.8°

Turn around time:

Notes
STD. TAT
4-15-10

BC

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

SAMPLE RECEIVING REVIEW SHEET

BATCH # T000331

Client Name: GRUBB Project: DUBLIN TOYOTA

Received by: BRIAN Date/Time Received: 4/15/10 927

Delivered by : ☐ Client ☐ SunStar Courier ☒ GSO ☐ FedEx ☐ Other _____

Total number of coolers received 1 **Temp criteria = 6°C > 0°C (no frozen containers)**

Temperature: cooler #1 4.0 °C +/- the CF (- 0.2°C) = 3.8 °C corrected temperature

cooler #2 _____ °C +/- the CF (- 0.2°C) = _____ °C corrected temperature

cooler #3 _____ °C +/- the CF (- 0.2°C) = _____ °C corrected temperature

Samples outside temp. but received on ice, w/in 6 hours of final sampling.	☑ Yes	☐ No*	☐ N/A
Custody Seals Intact on Cooler/Sample	☒ Yes	☐ No*	☒ N/A (BC)
Sample Containers Intact	☒ Yes	☐ No*	
Sample labels match COC ID's	☑ Yes	☐ No*	
Total number of containers received match COC	☒ Yes	☐ No*	
Proper containers received for analyses requested on COC	☒ Yes	☐ No*	
Proper preservative indicated on COC/containers for analyses requested	☐ Yes	☐ No*	☒ N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ **Yes** ☐ **No***

* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date BC 4/15/10

Comments:

_____

_____

_____

_____

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Gribi Associates	Project: Dublin Toyota	
1090 Adam Street, Suite K	Project Number: 147-01-03	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	04/20/10 12:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-11-4.5	T000331-01	Soil	04/13/10 13:25	04/15/10 09:27
MW-11-9.0	T000331-02	Soil	04/13/10 13:35	04/15/10 09:27
MW-11-14.0	T000331-03	Soil	04/13/10 13:45	04/15/10 09:27
MW-11-19.0	T000331-04	Soil	04/13/10 13:55	04/15/10 09:27

SunStar Laboratories, Inc.

John Shepler, Laboratory Director

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949.297.5027 Fax

Gribi Associates	Project: Dublin Toyota	
1090 Adam Street, Suite K	Project Number: 147-01-03	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	04/20/10 12:47

MW-11-4.5

T000331-01 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	5.0	ug/kg	1	0041503	04/15/10	04/16/10	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**110**	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.6 %*	*75.1-121*		"	"	"	"	
Surrogate: Dibromofluoromethane		*118 %*	*90-135*		"	"	"	"	

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Providing Quality Analytical Services Nationwide

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Gribi Associates	Project: Dublin Toyota	
1090 Adam Street, Suite K	Project Number: 147-01-03	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	04/20/10 12:47

MW-11-9.0

T000331-02 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	5.0	ug/kg	1	0041503	04/15/10	04/16/10	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**11**	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**200**	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.8 %*	*75.1-121*		"	"	"	"	
Surrogate: Dibromofluoromethane		*121 %*	*90-135*		"	"	"	"	

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Gribi Associates	Project: Dublin Toyota	
1090 Adam Street, Suite K	Project Number: 147-01-03	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	04/20/10 12:47

MW-11-14.0

T000331-03 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	5.0	ug/kg	1	0041503	04/15/10	04/16/10	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.9 %*	*75.1-121*		"	"	"	"	
Surrogate: Dibromofluoromethane		*119 %*	*90-135*		"	"	"	"	

SunStar Laboratories, Inc.

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Lake Forest, California 92630
949.297.5020 Phone
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Gribi Associates	Project: Dublin Toyota	
1090 Adam Street, Suite K	Project Number: 147-01-03	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	04/20/10 12:47

MW-11-19.0

T000331-04 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	5.0	ug/kg	1	0041503	04/15/10	04/16/10	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**24**	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.8 %*	*75.1-121*		"	"	"	"	
Surrogate: Dibromofluoromethane		*124 %*	*90-135*		"	"	"	"	

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Gribi Associates	Project: Dublin Toyota	
1090 Adam Street, Suite K	Project Number: 147-01-03	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	04/20/10 12:47

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0041503 - EPA 5030 GCMS										
Blank (0041503-BLK1)				Prepared: 04/15/10 Analyzed: 04/16/10						
Benzene	ND	5.0	ug/kg							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Tert-amyl methyl ether	ND	20	"							
Tert-butyl alcohol	ND	50	"							
Di-isopropyl ether	ND	20	"							
Ethyl tert-butyl ether	ND	20	"							
Methyl tert-butyl ether	ND	20	"							
C6-C12 (GRO)	ND	500	"							
Surrogate: Toluene-d8	*40.8*		*"*	*40.0*		*102*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*38.6*		*"*	*40.0*		*96.5*	*75.1-121*			
Surrogate: Dibromofluoromethane	*42.4*		*"*	*40.0*		*106*	*90-135*			
LCS (0041503-BS1)				Prepared: 04/15/10 Analyzed: 04/16/10						
Chlorobenzene	82.6	5.0	ug/kg	100		82.6	75-125			
1,1-Dichloroethene	87.7	5.0	"	100		87.7	75-125			
Trichloroethene	101	5.0	"	100		101	75-125			
Benzene	85.2	5.0	"	100		85.2	75-125			
Toluene	82.4	5.0	"	100		82.4	75-125			
Surrogate: Toluene-d8	*40.2*		*"*	*40.0*		*101*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*41.8*		*"*	*40.0*		*105*	*75.1-121*			
Surrogate: Dibromofluoromethane	*48.0*		*"*	*40.0*		*120*	*90-135*			
Matrix Spike (0041503-MS1)	**Source: T000331-01**			Prepared: 04/15/10 Analyzed: 04/16/10						
Chlorobenzene	93.9	5.0	ug/kg	100	ND	93.9	75-125			
1,1-Dichloroethene	90.4	5.0	"	100	ND	90.4	75-125			
Trichloroethene	110	5.0	"	100	ND	110	75-125			
Benzene	99.4	5.0	"	100	3.70	95.6	75-125			
Toluene	93.3	5.0	"	100	ND	93.3	75-125			
Surrogate: Toluene-d8	*42.0*		*"*	*40.0*		*105*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*43.8*		*"*	*40.0*		*109*	*75.1-121*			
Surrogate: Dibromofluoromethane	*64.6*		*"*	*40.0*		*161*	*90-135*			*S-GC*

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Lake Forest, California 92630
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Gribi Associates	Project: Dublin Toyota	
1090 Adam Street, Suite K	Project Number: 147-01-03	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	04/20/10 12:47

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0041503 - EPA 5030 GCMS										
Matrix Spike Dup (0041503-MSD1)		**Source: T000331-01**		Prepared: 04/15/10		Analyzed: 04/16/10				
Chlorobenzene	85.7	5.0	ug/kg	100	ND	85.7	75-125	9.13	20	
1,1-Dichloroethene	89.8	5.0	"	100	ND	89.8	75-125	0.722	20	
Trichloroethene	97.7	5.0	"	100	ND	97.7	75-125	12.1	20	
Benzene	91.8	5.0	"	100	3.70	88.2	75-125	7.85	20	
Toluene	81.2	5.0	"	100	ND	81.2	75-125	13.8	20	
Surrogate: Toluene-d8	*39.3*		*"*	*40.0*		*98.2*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*41.6*		*"*	*40.0*		*104*	*75.1-121*			
Surrogate: Dibromofluoromethane	*51.6*		*"*	*40.0*		*129*	*90-135*			

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949.297.5027 Fax

Gribi Associates	Project: Dublin Toyota	
1090 Adam Street, Suite K	Project Number: 147-01-03	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	04/20/10 12:47

Notes and Definitions

S-GC	Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SunStar Laboratories, Inc.

John Shepler, Laboratory Director

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23 April 2010

Jim Gribi
Gribi Associates
1090 Adam Street, Suite K
Benicia, CA 94510

RE: Dublin Toyota

Enclosed are the results of analyses for samples received by the laboratory on 04/20/10 09:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John Shepler
Laboratory Director

Chain of Custody Record

SunStar Laboratories, Inc.
3002 Dow Ave, Suite 212
Tustin, CA 92780
714-505-4010

Client: Gribi Associates
Address: 1090 Adams St, #K, Benicia, CA
Phone: 707-748-7743 Fax: 707-748-7763
Project Manager:

Date: 4/23/2010 Page: 1 Of 1
Project Name: DUBLIN TOYOTA
Collector: M. ROSMAN Client Project #:
Batch #: T000353

COC 83867

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only + TPH-G	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals					Laboratory ID #	Comments/Preservative	Total # of containers
																		-		
MW-12-4.5	4/15	0825	Soil	brass tube			X											01		
MW-12-9.0		0900					X											02		
MW-12-14.0		0905					X											03		
MW-12-19.0		0910					X											04		
																		-		
MW-13-4.5	4/15	0840	Soil	brass tube			X											05		
MW-13-9.0		1030					X											06		
MW-13-14.0		1035					X											07		
MW-13-19.0		1040					X											08		

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
M Rosman	4/19/10 1130	Bill Hamm	4-19-10 1130
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
GSO	4-20-10 9:40		4-20-10 9:40

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

Total # of containers	8
Chain of Custody seals Y/N/NA	Y
Seals intact? Y/N/NA	Y
Received good condition/cold	6.4

Turn around time: ____

Notes

STD. TAT

4-20-10

BC

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

SAMPLE RECEIVING REVIEW SHEET

BATCH # T000353

Client Name: GRIBI

Project: DUBLIN TOYOTA

Received by: BRIAN

Date/Time Received: 4-20-10 9:40

Delivered by : ☐ Client ☐ SunStar Courier ☒ GSO ☐ FedEx ☐ Other _____

Total number of coolers received 1

Temp criteria = 6°C > 0°C (no frozen containers)

Temperature: cooler #1 6.6 °C +/- the CF (- 0.2°C) = 6.4 °C corrected temperature

cooler #2 _____ °C +/- the CF (- 0.2°C) = _____ °C corrected temperature

cooler #3 _____ °C +/- the CF (- 0.2°C) = _____ °C corrected temperature

Samples outside temp. but received on ice, w/in 6 hours of final sampling.	☒ Yes	☐ No*	☐ N/A
Custody Seals Intact on Cooler/Sample	☒ Yes	☐ No*	☐ N/A
Sample Containers Intact	☒ Yes	☐ No*	
Sample labels match COC ID's	☒ Yes	☐ No*	
Total number of containers received match COC	☒ Yes	☐ No*	
Proper containers received for analyses requested on COC	☒ Yes	☐ No*	
Proper preservative indicated on COC/containers for analyses requested	☐ Yes	☐ No*	☒ N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ **Yes** ☐ **No***

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date BC 4-20-10

Comments:

_____

_____

_____

_____

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Gribi Associates	Project: Dublin Toyota	
1090 Adam Street, Suite K	Project Number: 147-01-03	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	04/23/10 15:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-12-4.5	T000353-01	Soil	04/15/10 08:25	04/20/10 09:40
MW-12-9.0	T000353-02	Soil	04/15/10 09:00	04/20/10 09:40
MW-12-14.0	T000353-03	Soil	04/15/10 09:05	04/20/10 09:40
MW-12-19.0	T000353-04	Soil	04/15/10 09:10	04/20/10 09:40
MW-13-4.5	T000353-05	Soil	04/15/10 08:40	04/20/10 09:40
MW-13-9.0	T000353-06	Soil	04/15/10 10:30	04/20/10 09:40
MW-13-14.0	T000353-07	Soil	04/15/10 10:35	04/20/10 09:40
MW-13-19.0	T000353-08	Soil	04/15/10 10:40	04/20/10 09:40

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John Shepler, Laboratory Director

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Gribi Associates	Project: Dublin Toyota	
1090 Adam Street, Suite K	Project Number: 147-01-03	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	04/23/10 15:09

MW-12-4.5

T000353-01 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	5.0	ug/kg	1	0042009	04/20/10	04/21/10	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.0 %*	*75.1-121*		"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*	*90-135*		"	"	"	"	

SunStar Laboratories, Inc.

John Shepler, Laboratory Director

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Lake Forest, California 92630
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Gribi Associates	Project: Dublin Toyota	
1090 Adam Street, Suite K	Project Number: 147-01-03	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	04/23/10 15:09

MW-12-9.0

T000353-02 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	5.0	ug/kg	1	0042009	04/20/10	04/22/10	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.1 %*	*75.1-121*		"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*	*90-135*		"	"	"	"	

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Gribi Associates	Project: Dublin Toyota	
1090 Adam Street, Suite K	Project Number: 147-01-03	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	04/23/10 15:09

MW-12-14.0

T000353-03 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	5.0	ug/kg	1	0042009	04/20/10	04/22/10	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**33**	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*	*75.1-121*		"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*90-135*		"	"	"	"	

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1090 Adam Street, Suite K	Project Number: 147-01-03	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	04/23/10 15:09

MW-12-19.0

T000353-04 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	5.0	ug/kg	1	0042009	04/20/10	04/22/10	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	**410**	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.0 %*	*75.1-121*		"	"	"	"	
Surrogate: Dibromofluoromethane		*114 %*	*90-135*		"	"	"	"	

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MW-13-4.5

T000353-05 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	5.0	ug/kg	1	0042009	04/20/10	04/22/10	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*99.1 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.0 %*	*75.1-121*		"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*	*90-135*		"	"	"	"	

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MW-13-9.0

T000353-06 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	5.0	ug/kg	1	0042009	04/20/10	04/22/10	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.8 %*	*75.1-121*		"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*90-135*		"	"	"	"	

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Gribi Associates	Project: Dublin Toyota	
1090 Adam Street, Suite K	Project Number: 147-01-03	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	04/23/10 15:09

MW-13-14.0

T000353-07 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	5.0	ug/kg	1	0042009	04/20/10	04/22/10	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.0 %*	*75.1-121*		"	"	"	"	
Surrogate: Dibromofluoromethane		*114 %*	*90-135*		"	"	"	"	

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1090 Adam Street, Suite K	Project Number: 147-01-03	**Reported:**
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MW-13-19.0

T000353-08 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	5.0	ug/kg	1	0042009	04/20/10	04/22/10	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	**320**	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**44**	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.6 %*	*75.1-121*		"	"	"	"	
Surrogate: Dibromofluoromethane		*116 %*	*90-135*		"	"	"	"	

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Gribi Associates	Project: Dublin Toyota	
1090 Adam Street, Suite K	Project Number: 147-01-03	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	04/23/10 15:09

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0042009 - EPA 5030 GCMS										
Blank (0042009-BLK1)				Prepared: 04/20/10 Analyzed: 04/21/10						
Benzene	ND	5.0	ug/kg							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Tert-amyl methyl ether	ND	20	"							
Tert-butyl alcohol	ND	50	"							
Di-isopropyl ether	ND	20	"							
Ethyl tert-butyl ether	ND	20	"							
Methyl tert-butyl ether	ND	20	"							
C6-C12 (GRO)	ND	500	"							
Surrogate: Toluene-d8	*39.6*		*"*	*40.0*		*99.0*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*36.8*		*"*	*40.0*		*92.0*	*75.1-121*			
Surrogate: Dibromofluoromethane	*38.2*		*"*	*40.0*		*95.4*	*90-135*			
LCS (0042009-BS1)				Prepared: 04/20/10 Analyzed: 04/22/10						
Chlorobenzene	107	5.0	ug/kg	100		107	75-125			
1,1-Dichloroethene	86.1	5.0	"	100		86.1	75-125			
Trichloroethene	98.4	5.0	"	100		98.4	75-125			
Benzene	91.8	5.0	"	100		91.8	75-125			
Toluene	87.1	5.0	"	100		87.1	75-125			
Surrogate: Toluene-d8	*38.9*		*"*	*40.0*		*97.2*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*42.6*		*"*	*40.0*		*107*	*75.1-121*			
Surrogate: Dibromofluoromethane	*37.0*		*"*	*40.0*		*92.5*	*90-135*			
Matrix Spike (0042009-MS1)	**Source: T000352-01**			Prepared: 04/20/10 Analyzed: 04/22/10						
Chlorobenzene	109	5.0	ug/kg	100	ND	109	75-125			
1,1-Dichloroethene	87.5	5.0	"	100	ND	87.5	75-125			
Trichloroethene	105	5.0	"	100	ND	105	75-125			
Benzene	91.5	5.0	"	100	ND	91.5	75-125			
Toluene	86.5	5.0	"	100	ND	86.5	75-125			
Surrogate: Toluene-d8	*39.3*		*"*	*40.0*		*98.2*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*44.1*		*"*	*40.0*		*110*	*75.1-121*			
Surrogate: Dibromofluoromethane	*37.6*		*"*	*40.0*		*93.9*	*90-135*			

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Gribi Associates	Project: Dublin Toyota	
1090 Adam Street, Suite K	Project Number: 147-01-03	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	04/23/10 15:09

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0042009 - EPA 5030 GCMS										
Matrix Spike Dup (0042009-MSD1)	**Source: T000352-01**			Prepared: 04/20/10	Analyzed: 04/22/10					
Chlorobenzene	101	5.0	ug/kg	100	ND	101	75-125	8.19	20	
1,1-Dichloroethene	87.0	5.0	"	100	ND	87.0	75-125	0.516	20	
Trichloroethene	108	5.0	"	100	ND	108	75-125	2.40	20	
Benzene	90.4	5.0	"	100	ND	90.4	75-125	1.21	20	
Toluene	87.3	5.0	"	100	ND	87.3	75-125	0.921	20	
Surrogate: Toluene-d8	*39.6*		"	*40.0*		*98.9*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*40.0*		"	*40.0*		*99.9*	*75.1-121*			
Surrogate: Dibromofluoromethane	*36.6*		"	*40.0*		*91.6*	*90-135*			

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Gribi Associates	Project: Dublin Toyota	
1090 Adam Street, Suite K	Project Number: 147-01-03	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	04/23/10 15:09

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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APPENDIX D

DWR WELL COMPLETION REPORTS

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