March 4, 2009

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

Attention: Mr. Paresh Khatri

Subject: Soil and Water Investigation Workplan Addendum
Dublin Toyota UST Site
6450 Dublin Court, Dublin, California
Fuel Leak Case RO# 0000333

Ladies and Gentlemen:

Gribi Associates is pleased to submit this Soil and Water Investigation (SWI) Workplan Addendum on behalf of Dublin Toyota for the underground storage tank (UST) site located at 6450 Dublin Court in Dublin, California (see Figure 1 and Figure 2). This Workplan Addendum addresses technical comments and provides proposed site investigational activities to comply with requests included in a letter from Alameda County Environmental Health (ACEH) dated February 19, 2009. The ACEH letter was in response to *Soil and Water Investigation Workplan* dated January 8, 2009 and prepared by Gribi Associates .

## TECHNICAL COMMENTS

### Contaminant Source Area Characterization

In the February 19, 2009 letter, ACEH reiterated their request for additional investigation into residual soil and groundwater impacts of the source area. To comply with ACEH desires, Gribi Associates proposes the drilling and sampling of six soil borings around the perimeter of the former UST excavation to evaluate the magnitude of residual impacts. The proposed location of the soil borings are provided on Figure 3. A detailed workplan is provided in a subsequent section.

### CPT Boring Investigation

The February 19, 2009 letter from ACEH stated that CPT boring location proposed by Gribi Associates in soil and water investigation workplan were too distant from the axis of the groundwater plume, and therefore would not result in accurate plume delineation. In order to address this concern, the proposed CPT boring locations were adjusted to conform with directions provided by ACEH in their letter. The revised boring locations are provided on Figure 4.

## SOURCE AREA SOIL AND GROUNDWATER INVESTIGATION WORKPLAN

Six soil borings will be drilled and sampled to a depth of approximately 20 feet below grade using direct-push coring equipment.

All activities will be conducted in accordance with applicable local, State, and Federal guidelines and statutes. The proposed soil and groundwater investigation will include the following workplan elements.

**Pre-Field Activities**

Prior to implementing this workplan, written approval will be obtained from ACEH. Also, soil boring installation permits will be obtained from Zone 7 Water Agency, and 72-hour notification will be given prior to implementing field activities. In addition, proposed boring locations will be marked with white paint, and Underground Services Alert (USA) will be notified at least 48 hours prior to drilling. Also, a private underground utility locator will clear proposed boring locations. Prior to initiating drilling activities, a Site Safety Plan will be prepared, and a tailgate safety meeting will be conducted with all site workers.

**Location of Borings**

Proposed boring locations are shown on Figure 3. Borings are located around the perimeter of the former UST excavation. Two borings are located along each of the two longer dimensions of the rectangular excavation, and one borings is located along each of the two shorter dimensions.

**Drilling and Sampling of Borings**

The six investigative borings will be drilled to a depth of approximately 20 feet below surface grade using direct-push hydraulically-driven soil coring equipment. For each boring, continuous soil cores will be collected to total depth in each boring in a clear plastic acetate tube, nested inside a stainless steel core barrel. Subsurface soils will be sampled at approximately four-foot intervals starting at four feet in depth, and including intervals with obvious hydrocarbon impacts. Each sample will be collected as follows: (1) The filled acetate tube will be exposed for visual examination; (2) The selected sample interval will be collected by cutting the sample and acetate plastic tubing to the desired length (typically about six inches); (3) The ends of the selected sample will be quickly wrapped with Teflon sheets or aluminum foil, capped with plastic end caps, labeled and wrapped tightly with tape; and (4) The sealed soil sample will be labeled and immediately placed in cold storage for transport to the analytical laboratory under formal chain-of-custody.

Following sample collection, the remaining soil core will be sliced lengthwise to expose the soil core, examined, logged, and field screened for hydrocarbons by a qualified geologist using sight, smell, and an organic vapor monitor (OVM). All coring and sampling equipment will be 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. Cleaning rinseate will be contained onsite in a sealed drum pending laboratory results.

One grab groundwater sample will be collected from each boring at first available groundwater. Each grab groundwater sample will be collected from the open boring by placing 1-1/4-inch diameter well casing in the boring. Groundwater will then be sampled using a clean small diameter bailer, and poured directly into laboratory-supplied containers. Each sample container will then be tightly sealed, labeled, and placed in cold storage for transport to the laboratory under formal chain-of-custody.

Following completion, the investigative borings will be grouted to match existing grade using a cement\sand slurry. Soil cuttings generated during this investigation will be stored onsite in sealed DOT-

approved containers. All coring and sampling equipment will be 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. Cleaning rinseate will be contained onsite in a sealed drum pending laboratory results.

**Laboratory Analysis of Soil and Water Samples**

Approximately eighteen soil and six grab groundwater sample will be collected from the seven borings and analyzed by the following methods:

- 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 will be conducted by a State-certified analytical laboratory with standard turnaround on results.

We appreciate this opportunity to provide this report for your review. Please contact us if there are questions or if additional information is required.

Very truly yours,

Matthew A. Rosman
Project Engineer

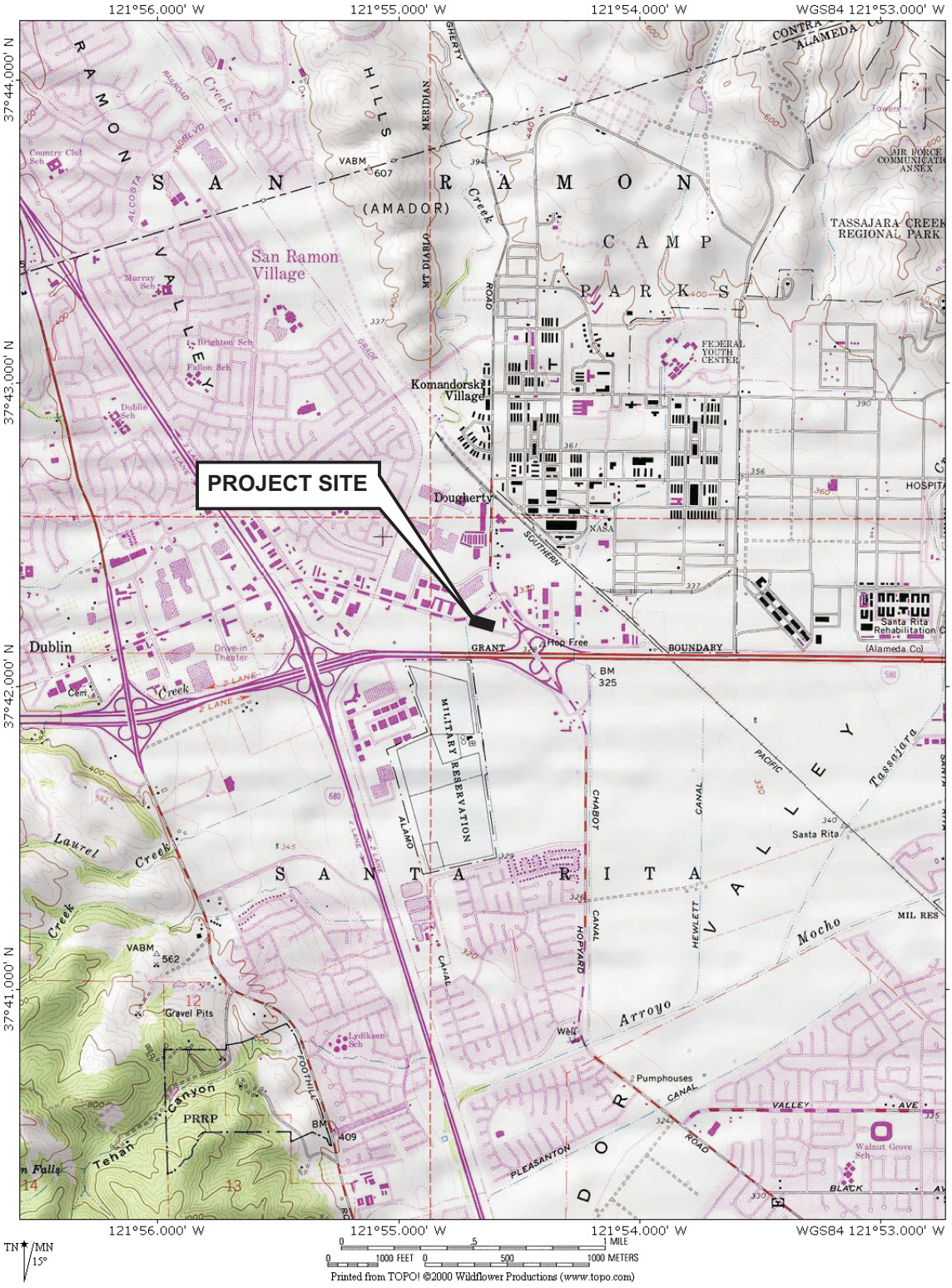
James E. Gribi
Professional Geologist
California No. 5843


Enclosure

cc: Mr. Scott Anderson, Dublin Toyota

GRIBI

**FIGURES**

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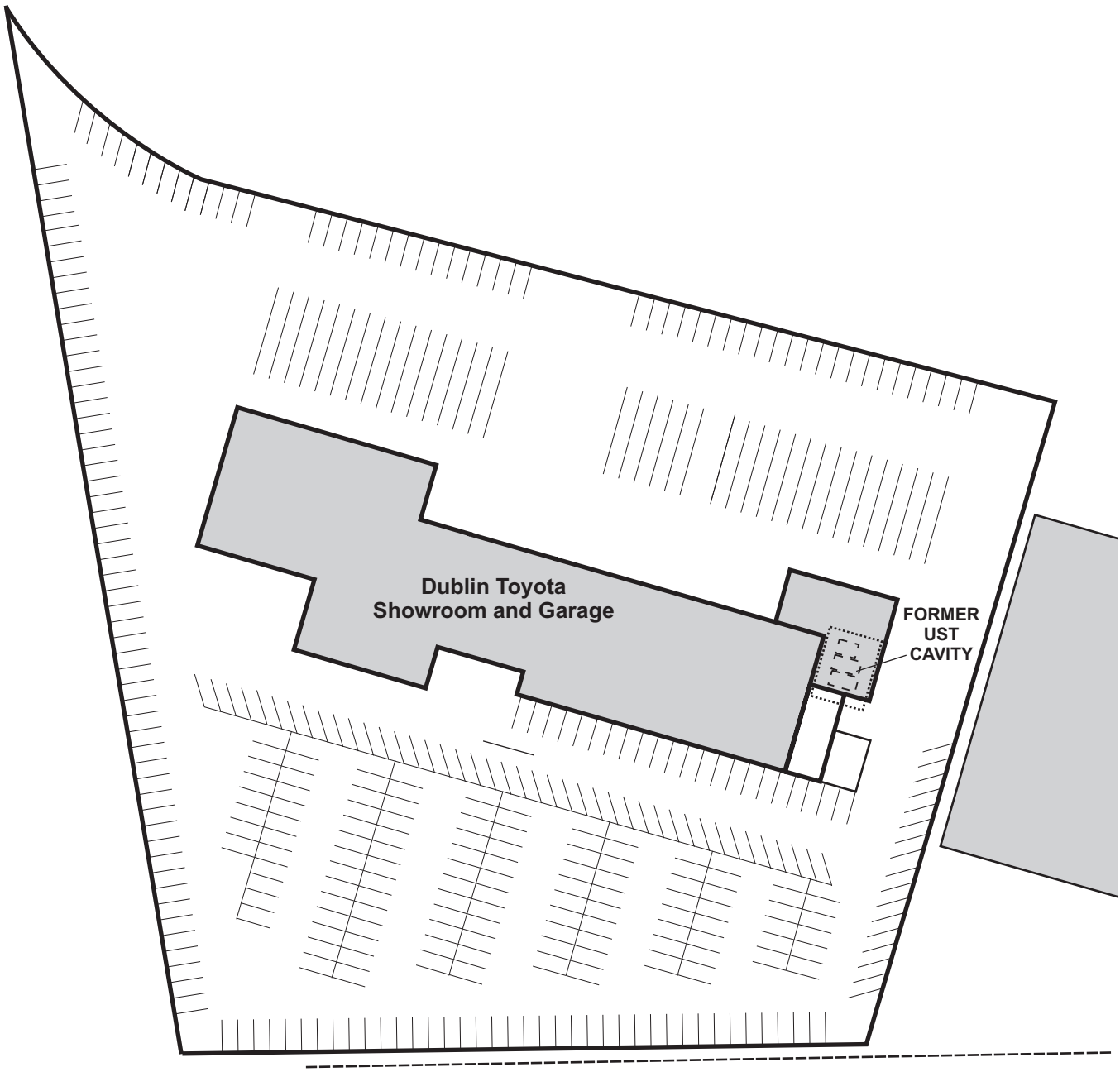
| DESIGNED BY: | CHECKED BY: | **SITE VICINITY MAP** | DATE: 03/04/2009 |
| DRAWN BY: MAR | SCALE: | DUBLIN TOYOTA UST SITE<br>6450 DUBLIN COURT<br>DUBLIN, CALIFORNIA | FIGURE: **1** |
| PROJECT NO: | | | GRIBI |

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| DESIGNED BY: | CHECKED BY: | **SITE PLAN** | DATE: 03/04/2009 | FIGURE: |
| DRAWN BY: MAR | SCALE: | DUBLIN TOYOTA UST SITE<br>6450 DUBLIN COURT<br>DUBLIN, CALIFORNIA | GRIBI | |
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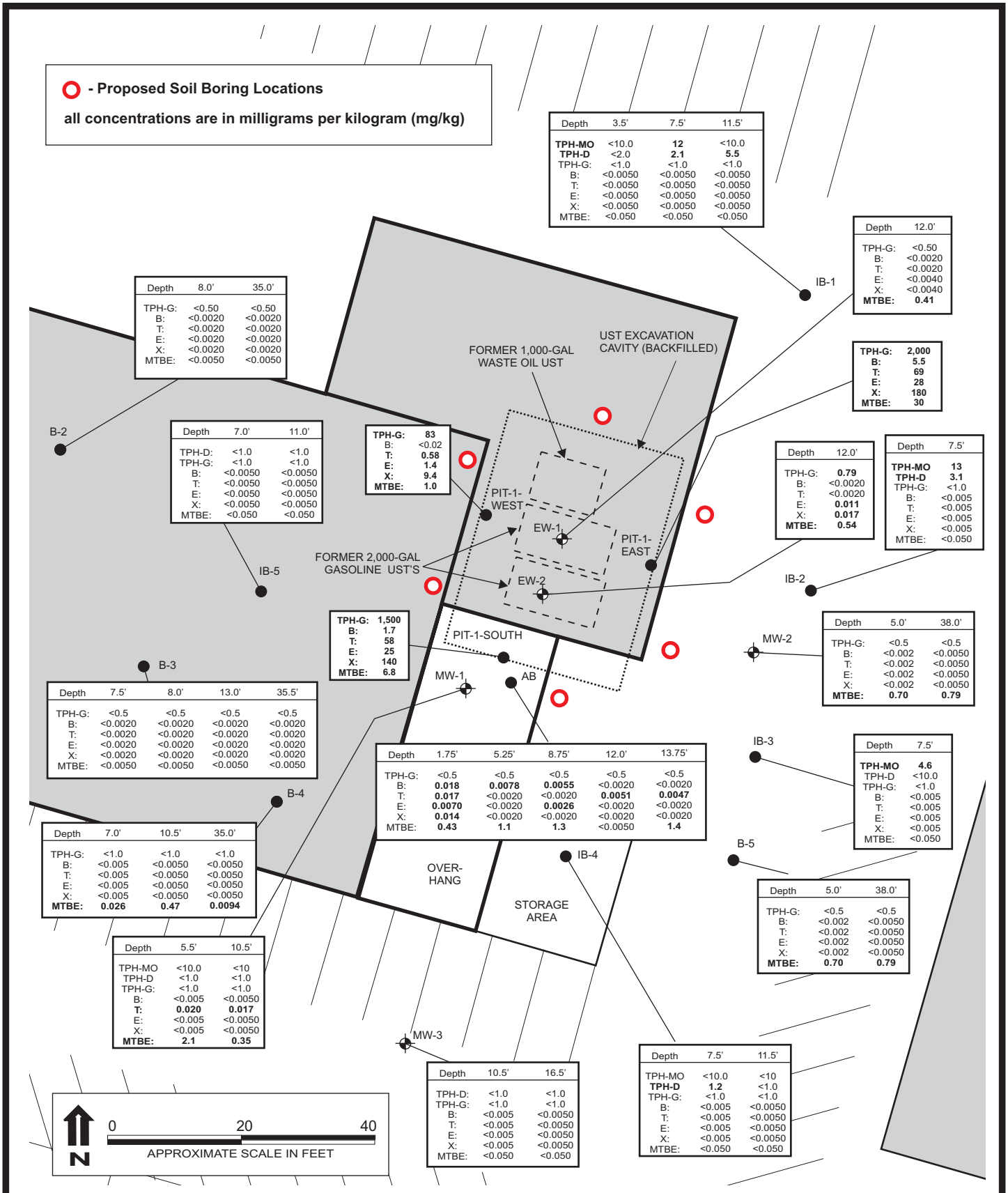


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| DESIGNED BY: | CHECKED BY: | **PROPOSED SOIL BORING LOCATIONS** | DATE: 03/04/2009 |
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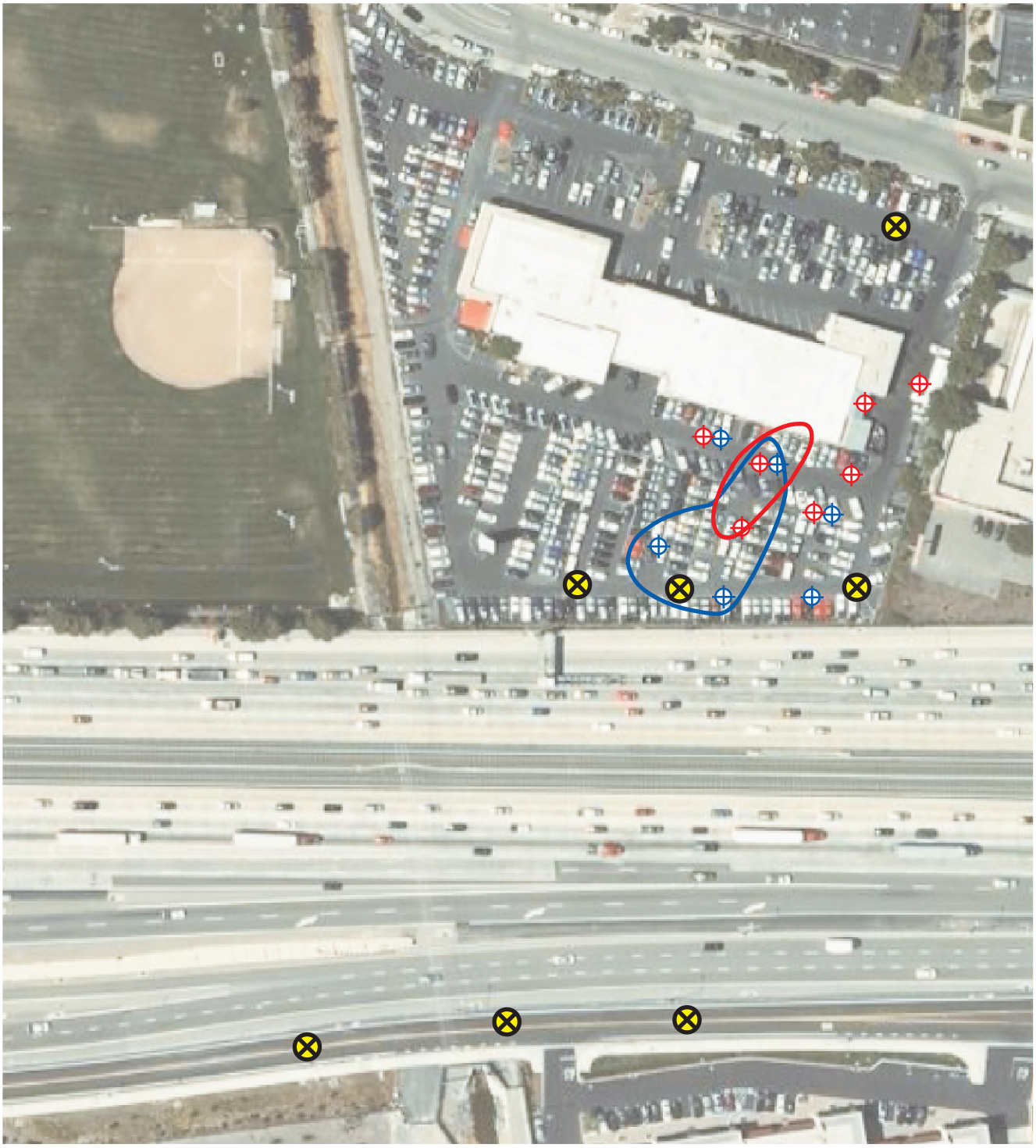
| PROJECT NO: | | | GRIBI |



⊗ - PROPOSED CPT BORING LOCATION

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| DESIGNED BY: | CHECKED BY: | **PROPOSED CPT BORING LOCATIONS**<br>DUBLIN TOYOTA UST SITE<br>6450 DUBLIN COURT<br>DUBLIN, CALIFORNIA | DATE: 03/04/2009 |
| DRAWN BY: MAR | SCALE: | | FIGURE: **4** |
| PROJECT NO: | | | GRIBI |