



TANK PROTECT ENGINEERING  
of Northern California, Inc.

ENVIRONMENTAL  
PROTECTION

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SITE ASSESSMENT REPORT

1/10/97

CREDIT WORLD AUTO SALES  
2345 E. 14TH STREET  
OAKLAND, CA 94601

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Project Number 267

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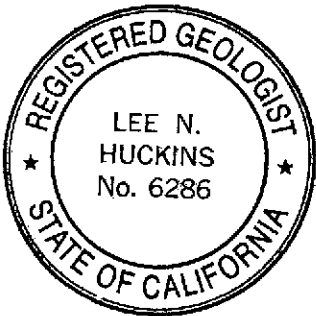
January 10, 1997

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## 1.0 INTRODUCTION

The subject site is located at 2345 E. 14th Street in the city of Oakland in Alameda County, California (see Figure 1) and is owned by Messrs. Aaron and Stanley Wong [(Wong), telephone number (510) 532-1672]. The site is occupied by a used car dealership known as Credit World Auto Sales. The only onsite structure is a building which includes an office and automotive service bay (see Figure 2). Previous work by others and Tank Protect Engineering of Northern California, Inc. (TPE) has documented soil and groundwater contamination apparently due to leaks or spills associated with a former underground gasoline tank complex.

This SITE ASSESSMENT REPORT (SAR) documents work conducted by TPE, describes details on overexcavation activities at the site, provides analytical data for soil and groundwater samples and presents recommendations for further investigations.

## 2.0 REQUEST FOR WORK PLAN ADDENDUM

A workplan was requested by the ACHCSA in an August 4, 1994 letter Request for Workplan Addendum for Further Investigation and Remediation of 2345 E. 14th St., former Taxi Taxi to Wong (see Appendix A). TPE responded with a August 26, 1994 WORKPLAN FOR EXCAVATION OF CONTAMINATED SOIL AND INSTALLATION OF GROUNDWATER MONITORING WELLS, CREDIT WORLD AUTO SALES, 2345 E. 14TH STREET, OAKLAND, CA 94601 (WP).

The WP was approved September 7, 1994 by ACHCSA in a letter to Wong, Comment on August 26, 1994 Workplan for the Excavation of Soil and the Installation of Monitoring Wells at 2345 E. 14th St., Oakland CA 94601. ACHCSA noted that overexcavation and groundwater extraction be initiated. The installation of additional monitoring wells would be postponed until the effects of overexcavation and groundwater extraction were seen (see Appendix A).

### 3.0 INVESTIGATION AND REMEDIATION OF CONTAMINATED VADOSE ZONE SOIL

As a further investigation and preliminary remediation of vadose zone soil and groundwater contamination, TPE performed the following scope of work:

- . Excavated contaminated soil from the location of the former underground gasoline tank complex.
- . After excavating contaminated soil in the above task, collected verification soil samples from the sidewalls and floor of the excavation for chemical analysis for total petroleum hydrocarbons as gasoline (TPHG) and benzene, toluene, ethylbenzene and xylenes (BTEX).
- . Remediated contaminated stockpiled soil for reuse.
- . Backfilled the excavation with remediated stockpiled soil.
- . Prepared this SAR.

Details of the work conducted are presented below.

#### 3.1 TPE's Methodologies of Soil Excavation, Verification Soil Sampling and Chemical Analyses

##### 3.1.1 Method of Excavation of Contaminated Soil

TPE conducted excavation of contaminated soil with an excavator and backhoe. The purpose of excavating was to remove TPHG and BTEX contaminated soil documented by TPE and others. Excavated soil was segregated using field screening methods. Horizontal excavation was conducted to the limits based on field-screening methods and



soil analytical results. Vertical excavation was conducted to the limit imposed by machinery and to the depth of groundwater.

The horizontal and vertical extent of excavation was determined by field-screening methods that included the detection of apparent soil contamination as evidenced by visible hydrocarbon stains, odors, and headspace field screening of excavated soil samples for volatile organic compounds using a Gastech Inc., Trace-Tector hydrocarbon vapor tester (HVT).

Headspace analysis was conducted on vadose zone soil samples collected to determine if apparent contamination is present. The analysis was performed by sealing each sample in a quart-size plastic bag and warming the bagged sample in the sun to promote volatilization of any hydrocarbons that may be present in the soil. After allowing for volatilization, the sample was tested by inserting the probe of a HVT into the headspace of the plastic bag (while minimizing the entry of new air into the bag) and recording the response in ppm.

Excavated soil was stockpiled on site on top of plastic sheeting unless the ground surface was covered with asphalt or concrete.

### 3.1.2 Method of Verification Soil Sampling

When the horizontal and vertical extent of contaminated vadose zone soil had been reached, based on the above field-screening, or the horizontal and vertical limits discussed above had been reached, verification soil samples were collected for chemical analysis to document cleanup concentrations of TPHG and BTEX chemicals.

Soil samples were collected from the sidewalls of the excavation by removing about 1 foot of soil to expose a fresh surface and driving a clean 2-inch diameter by 6-inch long brass tube into the newly exposed surface with a slide-hammer corer. Samples were also collected by excavating soil with the bucket of excavator or a backhoe and collecting a sample in a brass tube from soil in the bucket. After collecting each sample, the brass tube ends were quickly covered with Teflon sheeting and capped with plastic end-caps. The tubes were labeled to show site name, project number, sample.

name and depth, time and date collected, and sampler name; sealed in quart size plastic bags; and placed in an iced-cooler for transport to a Department of Health Services (DHS) certified laboratory accompanied by chain-of-custody documentation. The DHS laboratories for the project were Trace Analysis Laboratories, Inc. of Hayward CA, Priority Environmental, Inc. of Milpitas CA and Hull Development Labs, Inc. of Sunnyvale CA.

Appendix B documents TPE's protocol relative to sample handling procedures.

### 3.1.3 Method of Chemical Analyses

All verification soil samples were analyzed for TPHG by the DHS Method and the United States Environmental Protection Agency (EPA) Method 8015M and for BTEX chemicals by EPA Method 8020.

### 3.1.4 Method of Stockpile Soil Sampling

Stockpile soil samples were collected for laboratory compositing such that 4 discrete samples were composited into 1 for chemical analysis to characterize the stockpile for TPHG and BTEX chemicals.

The stockpile samples were collected directly into brass tubes driven by a slide-hammer corer at depths of about 1.0 to 3.0 feet below the stockpile's surface.

After collecting each sample, the samples were handled as described in Section 3.1.2 Verification Soil Sampling. See Appendices B, C, and D for TPE's protocols relative to sample handling procedures, waste handling and decontamination procedures, and quality assurance and quality control procedures, respectively.

### 3.1.5 Method of Stockpile Soil Remediation

TPE submitted a January 24, 1995 WORKPLAN FOR STOCKPILED SOIL REMEDIATION, CREDIT WORLD AUTO SALES, 2345 E 14TH STREET, OAKLAND, CA 94601 (WPSSR). The workplan discussed stockpile soil remediation and verification stockpile soil sampling methods. ACHCSA approved the workplan on January 25, 1995 (see Appendix A). All contaminated stockpiled soil was remediated in accordance with TPE's WPSSR.

### 3.1.6 Method of Verification Stockpile Sampling.

All remediated stockpiled soil was sampled in accordance with TPE's WPSSR dated January 24, 1995. All samples were handled as described in TPE's WPSSR and in Section 3.1.2 Verification Soil Sampling. All stockpile soil samples were analyzed in accordance with the WPSSR and in Section 3.1.3 Method of Chemical Analysis.

### 3.1.7 Method of Excavation Backfilling

The excavation was backfilled with an excavator/backhoe with clean remediated soil. The soil was placed into the excavation in 2 to 3 foot compacted lifts to ground surface. Concrete was disposed of offsite.

## 3.2 Summary of Excavation, Remediation, Soil Sampling and Analytical Results

The subject site's history prior to December, 1994 is summarized in TPE's August 26, 1994 WP and TPE's January 24, 1995 WPSSR. This report presents a summary of events that took place during excavation activities.

### 3.2.1 December 1994

#### Excavation and Collection of Verification Soil Samples

Prior to beginning excavation activities, TPE notified the Bay Area Air Quality Management District (BAAQMD) and conducted an Underground Service Alert location request to minimize the potential for encountering any buried utilities or underground objects while conducting excavation activities.

On December 5, 6 and 15, 1994, TPE excavated about 600 cubic yards (cyds) of contaminated vadose zone soil from the area of the former underground gasoline tank complex and associated piping. On December 6, 1994 TPE collected discrete soil samples VS-1 through VS-5 from the sidewalls of the excavation and VS-6 from beneath the former piping to evaluate remaining concentrations of TPHG and BTEX chemicals in the in-situ soil. All samples were collected under the supervision of an inspector from the ACHCSA.

Twenty-two discrete soil samples were collected from the stockpiled soil for laboratory compositing to characterize the stockpile for TPHG and BTEX contamination. Twenty of the samples were composited into 5 samples and 2 of the samples were composited into 1 sample.

Soil sample locations and depths are shown in Figure 3.

Soil samples collected from the excavation sidewalls detected TPHG at concentrations ranging from 1.3 ppm to 210 ppm. Soil sample VS-6, collected beneath the former piping, detected TPHG at a concentration of 2.7 ppm.

The 6 composite stockpile soil samples detected TPHG at concentrations ranging from 5.3 ppm to 78 ppm.

Some or all BTEX chemicals were detected in all soil samples analyzed.

Results of chemical analyses are documented in Table 1 with certified analytical reports and chain-of-custodies in Appendix E.

3.2.2 January 1995

Letter From ACHCSA

ACHCSA approves TPE's January 24, 1995 WPSSR in a letter to Wong titled Review of Work Plan for Stockpiled Soil Remediation at 2345 E. 14th St., Oakland CA 94601, Credit World Auto Sales (see Appendix A).

3.2.3 February, 1995

Stockpile Soil Remediation

On February 14, 17, 21, 22, 23, 24 and 27, 1995 TPE conducted stockpile soil remediation as described in Section 3.1.5 Method of Stockpile Soil Remediation.

3.2.4 April, 1995

Stockpile Soil Remediation

On April 20 through 29, 1995 TPE conducted stockpile soil remediation as described in Section 3.1.5 Method of Stockpile Soil Remediation.

3.2.5 May, 1995

Stockpile Soil Remediation and Collection of Verification Stockpile Soil Samples

On May 3, 4 and 8, 1995 stockpile soil remediation was conducted as described in Section 3.1.5 Method of Stockpile Soil Remediation.

On May 12, 1995 TPE conducted verification stockpile sampling as described in Section 3.1.6 Method of Verification Stockpile Soil Sampling. About 606 cyds were sampled (see Figure 4).

Chemical results for verification samples, VSP-1A through VSP-10B, were nondetectable for TPHG and BTEX chemicals.

Results of chemical analyses are documented in Table 1 with certified analytical reports and chain-of-custodies in Appendix E.

#### 3.2.5.1 Groundwater Sampling

One groundwater "grab" sample GB-1, was collected directly from the excavation. The sample was collected with a dedicated disposable bailer and stored in a 2-40 milliliter glass vials. The vials were stored in an iced-cooler for transport to a DHS laboratory accompanied by chain-of-custody documentation and analyzed for TPHG and BTEX by EPA Methods 8015M and 8020, respectively.

Chemical analyses for groundwater sample GB-1 were nondetectable.

Analytical results are summarized in Table 2 and documented with a certified analytical report and chain-of-custody in Appendix E.

#### 3.2.5.2 Letter from ACHCSA

On May 17, 1995 ACHCSA issued a letter to Wong titled Status of Subsurface Investigation at 2345 E. 14th St. Oakland CA 94601, Former Taxi Taxi requesting the removal of floating product from the groundwater monitoring wells (see Appendix A).

#### 3.2.6 June 1995

##### Backfilling and Excavation of Contaminated Soil

On June 26, 1995 TPE partially backfilled the excavation with remediated soil to make additional room for excavation activities. The excavation was backfilled as described in Section 3.1.7 Method of Excavation Backfilling

On June 30, 1995 TPE conducted overexcavation in the area of VS-3. Overexcavation activities are described in Section 3.1 Method of Excavation (see Figure 5).

#### 3.2.6.1 Floating Product Removal System

TPE responded to ACHCSA letter of May 14, 1995 with a June 14, 1995 letter titled Status of Subsurface Investigation at 2345 E. 14th Street, Oakland, CA 94601. This letter documented the procedure that TPE implemented to remove the free product from the wells. The product removal system consisted of a selective oil skimmer, a controllerless, down-well mounted, air-operated, resilient bladder product pump and a product storage tank that shuts off automatically when the product tank is full. In order to permit the system, TPE submitted a letter to the Oakland Fire Prevention Bureau on June 15, 1995 titled Operation of a Product Removal System at 2345 E. 14th Street, Oakland CA 94601. The system was permitted on June 19, 1995 (see Appendix A).

#### 3.2.7 July 1995

##### Excavation and Collection of Verification Soil Samples, Floating Product Removal

Excavation activities continued through July 5, 1995 (see Figure 5). Excavated soil was segregated into two stockpiles (apparently clean and contaminated). On July 5, 1995 TPE conducted verification soil sampling in the presence of ACHCSA. All verification soil sampling was conducted as described in Section 3.1.2 Verification Soil Sampling. Stockpile soil sampling was conducted on July 12, 1995 as described in Section 3.1.4 Stockpile Soil Sampling.

Analytical results detected TPHG in verification soil samples VS-6(6/30/95) through VS-13(7/05/95) ranging from nondetectable to 130 ppm. TPHG was detected in stockpile soil samples STK7(1-4) through STK10(1,2,3,4) at concentrations ranging from 22 ppm to 290 ppm. Some or all BTEX chemicals were detected in verification and stockpile soil sampling. Stockpile soil sample STK11(1,2,3,4), collected from segregated apparently clean material, was nondetectable for TPHG and BTEX.

Results of chemical analyses are documented in Table 1 with certified analytical reports and chain-of-custodies in Appendix E.

Based on the nondetectable analytical results of stockpile soil sample STK11(1,2,3,4), TPE conducted verification stockpile soil sampling as described in Section 3.1.6 Method of Verification Stockpile Soil Sampling to document that the stockpile was suitable for reuse. About 200 cyds were sampled (see Figures 6 and 7).

On July 20, 1995 ACHCSA verbally approved the reuse of the clean stockpile.

On July 27, 1995 TPE installed a floating product removal system at the site. TPE removed floating product from MW-1. TPE removed the floating product removal system, because of overexcavation activities.

On July 28, 1995 limited excavation activities continued in the area of VS-10 in order to cleanup the sidewalls of the excavation (see Figure 8). Verification soil sampling was conducted as described in Section 3.1.2 Verification Soil Sampling. Stockpile soil sampling was conducted as described in Section 3.1.4 Stockpile Soil Sampling.

Analytical results detected TPHG in verification soil samples VS-14 through VS-18 in concentrations ranging from 2.8 ppm to 590 ppm. TPHG was detected in stockpile soil samples, STK12(A-D) and STK13(A-D), at concentrations of 87 ppm and 58 ppm. BTEX chemicals were also detected in verification and stockpile soil samples.

Results of chemical analyses are documented in Table 1 with certified analytical reports and chain-of-custodies in Appendix E.

3.2.8 August, 1995

#### Stockpile Soil Remediation

On August 3 through 10, 1995, TPE conducted stockpile soil remediation as described in Section 3.1.5 Method of Stockpile Soil Remediation.



### 3.2.8.1 Floating Product Removal

On August 2 and 18, 1995 TPE removed floating product from wells MW-1 and MW-2. TPE removed floating product removal system, because of soil remediation activities. TPE began removing floating product from the wells on a quarterly basis upon sampling the wells. Quarterly removal of floating product was initiated and conducted until soil remediation activities at the site had been concluded (see Section 4.0 Quarterly Groundwater Monitoring).

### 3.2.9 September 1995

#### Stockpile Soil Remediation

On September 11 and 12, 1995 TPE conducted stockpile soil remediation as described in Section 3.1.5 Method of Stockpile Soil Remediation.

### 3.2.10 October 1995

#### Verification Soil Sampling

On October 3, 1996 TPE conducted verification stockpile sampling as described in Section 3.1.6 Method of Verification Stockpile Soil Sampling. About 660 cyds were sampled (see Figure 9).

Analytical results for verification stockpile soil samples, VSP 11A(10/03/95) through VSP 21C(10/03/95) for TPHG and BTEX chemicals were nondetectable.

Results of chemical analyses are documented in Table 1 with certified analytical reports and chain-of-custodies in Appendix E.

On October 10, 1995 ACHCSA verbally approved the remediated stockpiled soil for reuse.

### 3.2.10.1 Groundwater Investigation

On October 4, 1995 TPE submitted a WORKPLAN FOR GROUNDWATER INVESTIGATION 2345 E. 14TH STREET, OAKLAND, CA 94601. The workplan proposed the advancement of nine soil borings to groundwater along with soil and groundwater sampling. ACHCSA conditionally approved the workplan with their letter dated October 26, 1995 Comment Of August 4, 1995 Workplan For Soil And Groundwater Investigation At 2345 E. 14Th Street, Oakland, CA 94601 (see Appendix A).

### 3.2.11 December 1995

#### Excavation Backfilling

On December 5, 1995 TPE partially backfilled the excavation with remediated soil to make additional room for excavation activities. The excavation was backfilled as described in Section 3.1.7 Method of Excavation Backfilling

### 3.2.12 May 1996

#### Excavation Backfilling, Excavation and Collection of Verification Soil Samples, Stockpile Soil Remediation

On May 21, 22, and 23, 1996 TPE partially backfilled the excavation with remediated soil to make additional room for excavation activities. The excavation was backfilled as described in Section 3.1.7 Method of Excavation Backfilling

On May 24, 28, and 29, 1996 overexcavation activities continued in the area of VS-18. Excavation activities were conducted as described in Section 3.1 Method of Excavation (see Figures 10 and 11). Excavated soil was segregated into two stockpiles (apparently clean and contaminated). All verification soil sampling was conducted as described in Section 3.1.2 Verification Soil Sampling. Stockpile soil sampling was conducted as described in Section 3.1.4 Stockpile Soil Sampling.

Analytical results detected TPHG in verification soil samples VF-1, VS-2D and VS-22 through VS-29 in concentrations ranging from nondetectable to 470 ppm. TPHG was also detected in stockpile soil samples STK-1A,B,C,D(05/24/96), STK-2A,B,C,D(05/24/96), STK-1A,B,C,D(05/29/96), and STK-2A,B,C,D(05/29/96) collected from apparently contaminated soil, at concentrations of 170 ppm, 320 ppm, 1.7 ppm and 140 ppm, respectively. Some or all BTEX chemicals were detected in verification and stockpile soil samples. Stockpile soil samples STK-3 A,B,C,D(05/30/96) through STK-6 A,B,C,D(05/30/96) collected from apparently clean segregated soil, were nondetectable for TPHG and BTEX.

Results of chemical analyses are documented in Table 1 with certified analytical reports and chain-of-custodies in Appendix E.

Because stockpile soil samples STK-3A,B,C,D(05/30/96) through STK-6A,B,C,D(05/30/96) were nondetectable for TPHG and BTEX chemicals, ACHCSA verbally approved 200 cyds of stockpiled soil for backfilling.

On May 30 and 31, 1996 TPE conducted stockpile soil remediation as described in Section 3.1.5 Method of Stockpile Soil Remediation.

#### 3.2.12.1 Methyl t-Butyl Ether (MTBE)

ACHCSA requested that MTBE be analyzed for in conjunction with BTEX chemicals. MTBE has been analyzed for since May 1996. MTBE has not been detected in any soil sample during excavation activities.

#### 3.2.13 June 1996

##### Stockpile Soil Remediation

On June 1 and June 3 through 7, 1996 TPE conducted stockpile soil remediation as described in Section 3.1.5 Method of Stockpile Soil Remediation.

3.2.14 July 1996

Stockpile Soil Remediation and Stockpile Verification Soil Sampling

On July 22 through 25, 1996 TPE conducted stockpile soil remediation as described in Section 3.1.5 Method of Stockpile Soil Remediation.

On July 30, 1996 TPE conducted verification stockpile sampling as described in Section 3.1.6 Method of Verification Stockpile Soil Sampling. About 394 cyds were sampled (see Figure 12).

Analytical results for verification stockpile samples VSP-20A(7/30/96) through VSP-29(7/30/96) for TPHG and BTEX chemicals were nondetectable.

Results of chemical analyses are documented in Table 1 with certified analytical reports and chain-of-custodies in Appendix E.

3.2.15 August 1996

On August 1, 1996 ACHCSA verbally approved the reuse of remediated stockpiled soil.

3.2.16 September 1996

Excavation and Collection of Verification Soil Samples, Excavation Backfilling, and Stockpile Soil Remediation

On September 16, 17, and 18, 1996 TPE partially backfilled the excavation with remediated stockpiled soil as described in Section 3.1.7 Method of Excavation Backfilling. Excavation activities continued in the area of VS-28 and VS-29. Excavation activities were conducted described in Section 3.1 Method of Excavation. Excavated soil was segregated into two stockpiles (apparently clean and contaminated). All verification soil sampling was conducted as described in Section 3.1.4 Verification Soil

Sampling. Stockpile soil sampling was conducted as described in Section 3.1.4 Stockpile Soil Sampling (see Figure 13).

Analytical results detected TPHG in verification soil samples VS-30 through VS-35 in concentrations ranging from 8.2 ppm to 110 ppm. TPHG was also detected in stockpile soil samples STK-20A,B,C,D(09/16/96), STK-21A,B,C,D(09/17/96), STK-25A,B,C,D(09/17/96) and STK-26A,B,C,D(09/17/96) collected from apparent contaminated soil at concentrations of 44 ppm, 90 ppm, 210 ppm, and 31 ppm, respectively. Some or all BTEX chemicals were detected in verification and stockpile soil samples. Stockpile soil samples STK-22A,B,C,D(09/16/96), STK-23A,B,C,D(09/16/96) and STK-24A,B,C,D(09/17/96) collected from apparently clean segregated soil, were nondetectable for TPHG and BTEX.

Results of chemical analyses are documented in Table 1 with certified analytical reports and chain-of-custodies in Appendix E.

ACHCSA verbally approved clean segregated stockpiled soil for backfilling.

On September 18 and 19, 1996 TPE partially backfilled the excavation with remediated soil to make additional room for remediation activities. The excavation was backfilled as described in Section 3.1.7 Method of Excavation Backfilling

On September 20, 26 through 30, 1996 TPE conducted stockpile soil remediation as described in Section 3.1.5 Method of Stockpile Soil Remediation.

3.2.17 October 1996

#### Stockpile Soil Remediation and Verification Stockpile Soil Sampling

On October 1 through 3, 1996 TPE conducted stockpile soil remediation as described in Section 3.1.5 Method of Stockpile Soil Remediation.

ACHCSA issued a October 3, 1996 letter to WONG titled Status of Subsurface Investigation at 2345 E. 14th St., Oakland CA 94601, Former Taxi, Taxi requesting no

further soil excavation be conducted until the offsite investigation is completed (see Appendix A).

On October 4, 1996 TPE conducted verification stockpile sampling as described in Section 3.1.6 Method of Verification Stockpile Soil Sampling. About 405 cyds were sampled (see Figure 14).

Analytical results for verification stockpile soil samples, VSP-30A through VSP-39D were nondetectable for TPHG and BTEX chemicals.

Results of chemical analyses are documented in Table 1 with certified analytical reports and chain-of-custodies in Appendix E.

ACHCSA verbally approved 405 cyds of stockpiled soil for backfilling.

#### 3.2.17.1 Excavation Closure

##### Excavation Backfilling

On October 28, 1996 TPE backfilled the excavation. The excavation was backfilled as described in Section 3.1.7 Method of Excavation Backfilling. The excavation was backfilled to grade awaiting asphalt in the near future.

## 4.0 QUARTERLY GROUNDWATER MONITORING

TPE has conducted quarterly groundwater monitoring on March 31, 1994 through September 30, 1996. The reader is referred to Table 3 for a summary of TPHG and BTEX chemical concentrations detected in the wells during the quarterly events.

Figure 15 is a groundwater gradient map constructed from the data collected on September 24 and 30, 1996. Groundwater flow direction was to the northwest with a gradient about 0.018 feet per foot.

Table 4 summarizes the thickness of floating product measured in each well. The floating product was removed during purging at the time of each quarterly sampling.

## 5.0 CONCLUSIONS

Figure 16 shows names, location, depths, and analytical results of final verification soil samples. Final verification soil samples are those samples collected when the sidewalls were excavated to their furthest horizontal and vertical extent and the floor was excavated to its greatest depths.

Final verification soil samples, depicted in Figure 16, detected TPHG concentrations ranging from nondetectable to 110 ppm TPHG in sidewall samples. Verification soil samples collected from the floor of the excavation detected TPHG and BTEX concentrations ranging from nondetectable to 66 ppm.

TPE believes that low concentrations of TPHG and BTEX remain within the former tank excavation. These concentrations have minimal impact to the groundwater.

## 6.0 RECOMMENDATIONS

TPE recommends no further remediation of vadose zone soil in the area of the former tank excavation area.

Figure 16 also shows soil samples collected during monitoring well installation. In MW-1 and MW-2, vadose zone soil samples collected during installation detected TPHG and BTEX at concentrations of 225 ppm and 4.320 ppm, and 1.505 ppm and 7.275 ppm, 4.225 ppm and 6.620 ppm, 4.015 ppm and 3.470 ppm and 4.270 ppm and 13.815 ppm, respectively. TPE recommends excavation of vadose zone soils in the area around MW-1 and MW-2 to further site remediation.

TPE also recommends that the soil boring program be conducted to determine the horizontal limits of the groundwater contaminate plume and the free product limits.

TPE recommends that free product removal be continued to limit the spread of such contamination into formerly uncontaminated zones. TPE recommends that quarterly monitoring be conducted to assess the remediation activities efforts.

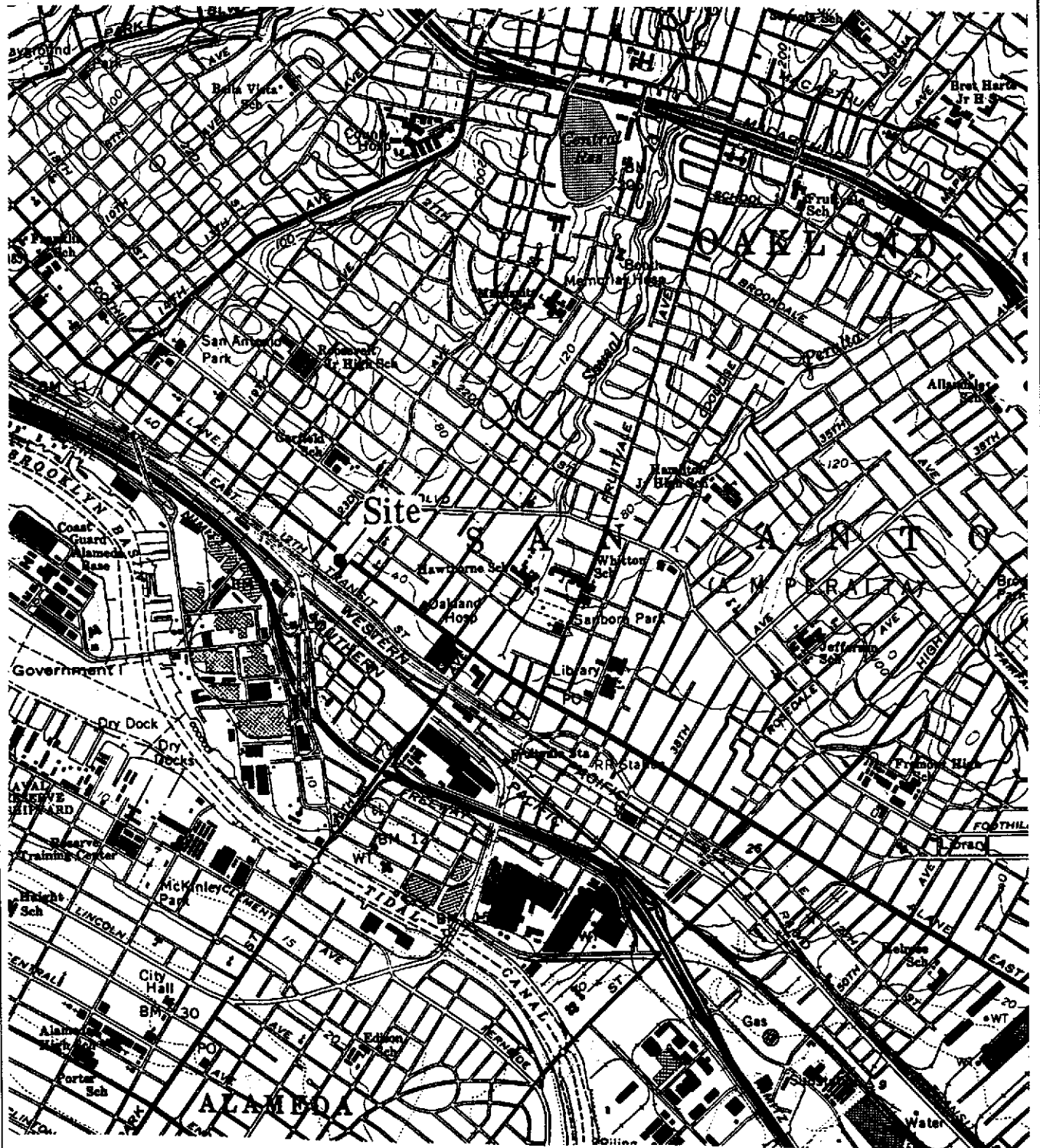
## 7.0 STUDY LIMITATIONS

This report describes the subsurface exploration and laboratory analyses of soil and groundwater samples. The chemical analytical results for the samples are considered applicable to that location from which they were collected. The soil encountered in the excavation is believed to be representative of the site; however, the soil may vary in character between observation points. The conclusions contained herein are based on the field observations, analytical data and professional judgement which is in accordance with current standards of professional practice. Representations made of soil and groundwater conditions between sample locations are extrapolations based on professional opinions and judgements and accepted industry practice. Therefore, TPE cannot and will not provide guarantees, certifications or warranties that the subject property is or is not free of all contaminated soil or groundwater and such assessments are provided so that the client may make an informed decision.

The extent of testing and data collection directly affects the statistical confidence level of all work performed. As a practical matter, to reach or even approach a 100 percent statistical confidence level would be prohibitively expensive. Therefore, if a reassessment of the subject property becomes necessary in the future, TPE will not reassess the area at its own cost. No other warranty is expressed or implied.

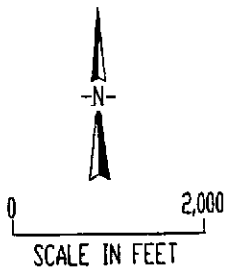
The findings and conclusions of this report are valid as of the present time; however, the passing of time could change the conditions of the subsurface due to natural processes or the influence of man. Accordingly, the findings of this report may be invalidated, wholly or partly, by changes beyond TPE's control. Therefore, this report should not be relied upon after an extended period of time without being reviewed by a Civil Engineer or Registered Geologist.





LEGEND

REFERENCE: USGS 7.5 MINUTE  
 SERIES QUADRANGLE MAP  
 OAKLAND EAST, CALIFORNIA  
 PHOTOREVISED 1980

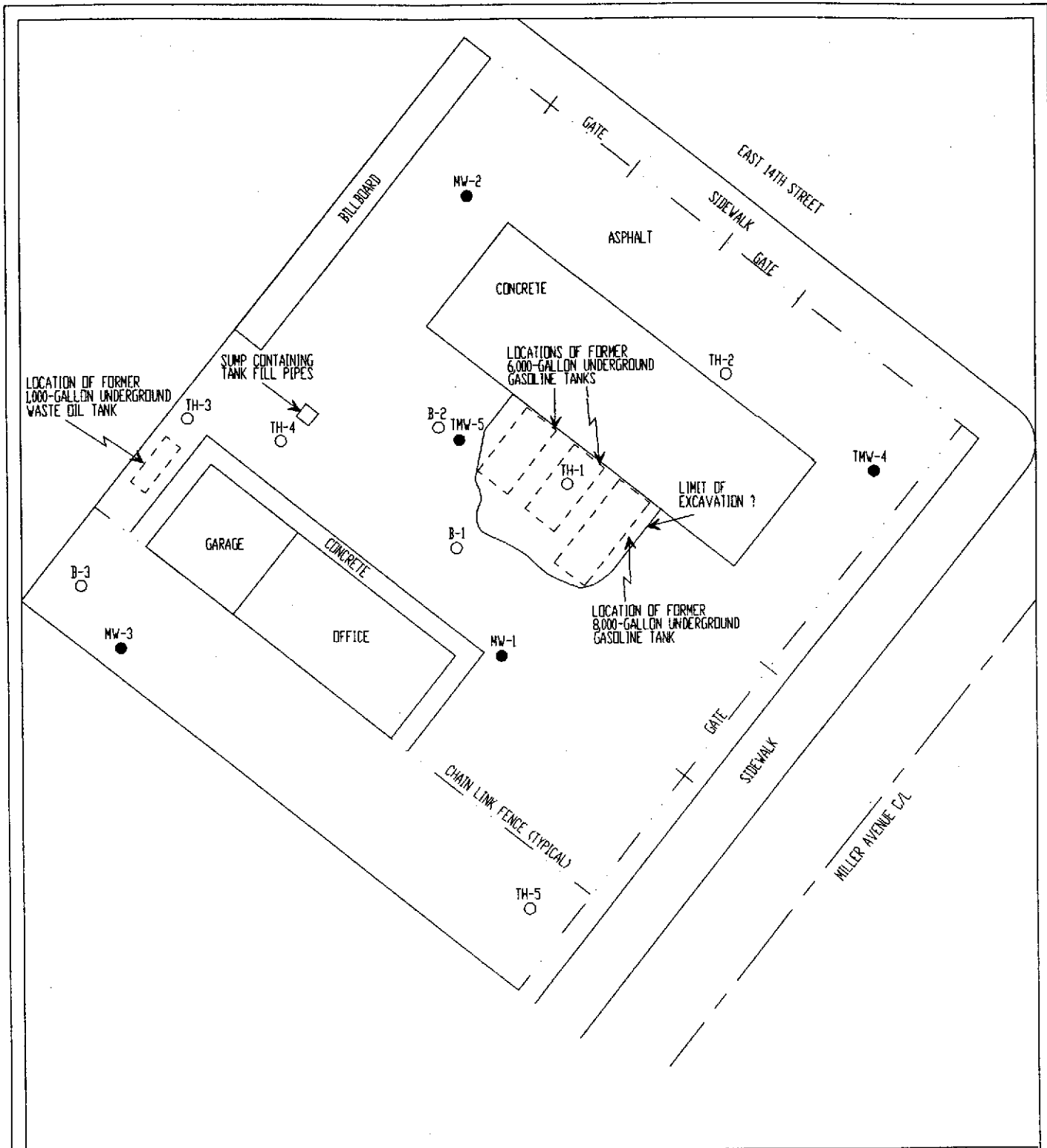


TANK PROTECT ENGINEERING

SITE VICINITY MAP

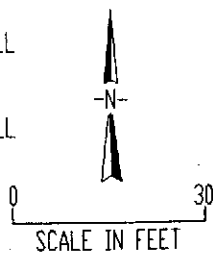
CREDIT WORLD AUTO SALES  
 2345 E. 14TH STREET  
 OAKLAND, CA 94601

DATE	12/11/96
FIGURE	I
FILE #	267-IN
DRAWN BY	VK
CHECKED BY	LMH



LEGEND

- MW-4 NAME AND LOCATION OF MONITORING WELL INSTALLED BY TPE
- MW-1 NAME AND LOCATION OF MONITORING WELL INSTALLED BY OTHERS
- B-1 NAME AND APPROXIMATE LOCATION OF SOIL BORING DRILLED BY OTHERS

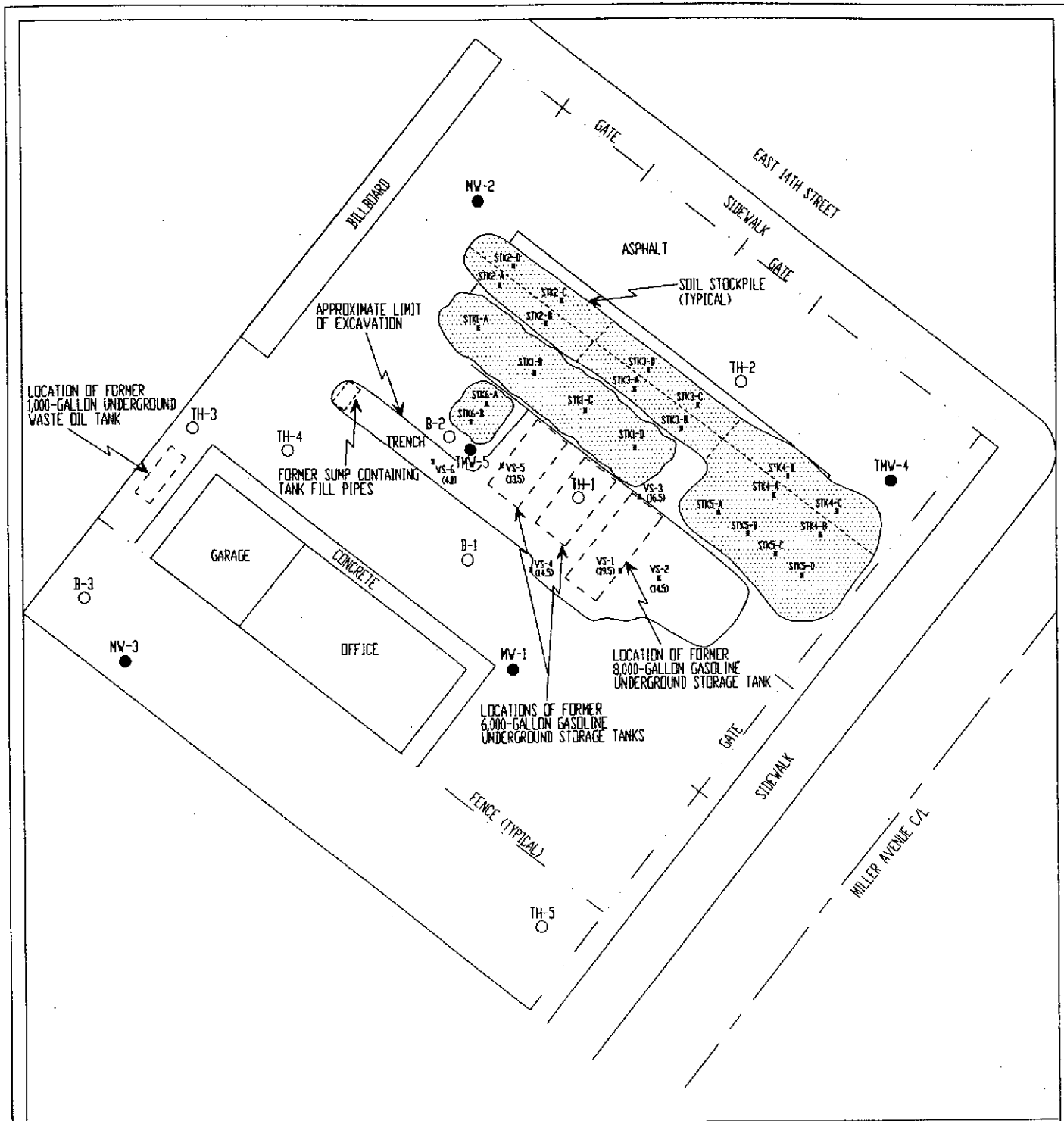


TANK PROTECT ENGINEERING

SITE PLAN

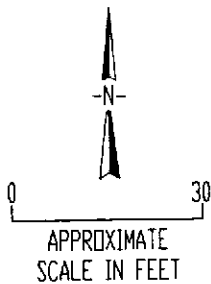
CREDIT WORLD AUTO SALES  
 2345 E. 14TH STREET  
 OAKLAND, CA 94601

DATE	12/11/96
FIGURE	2
FILE #	267-2N
DRAWN BY	VK
CHECKED BY	LNH



LEGEND

- TMW-4 NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY TPE
- MW-1 NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY OTHERS
- B-1 NAME AND APPROXIMATE LOCATION OF SOIL BORING DRILLED BY OTHERS
- VS-1 NAME, LOCATION, AND DEPTH OF SOIL SAMPLE (19.5)

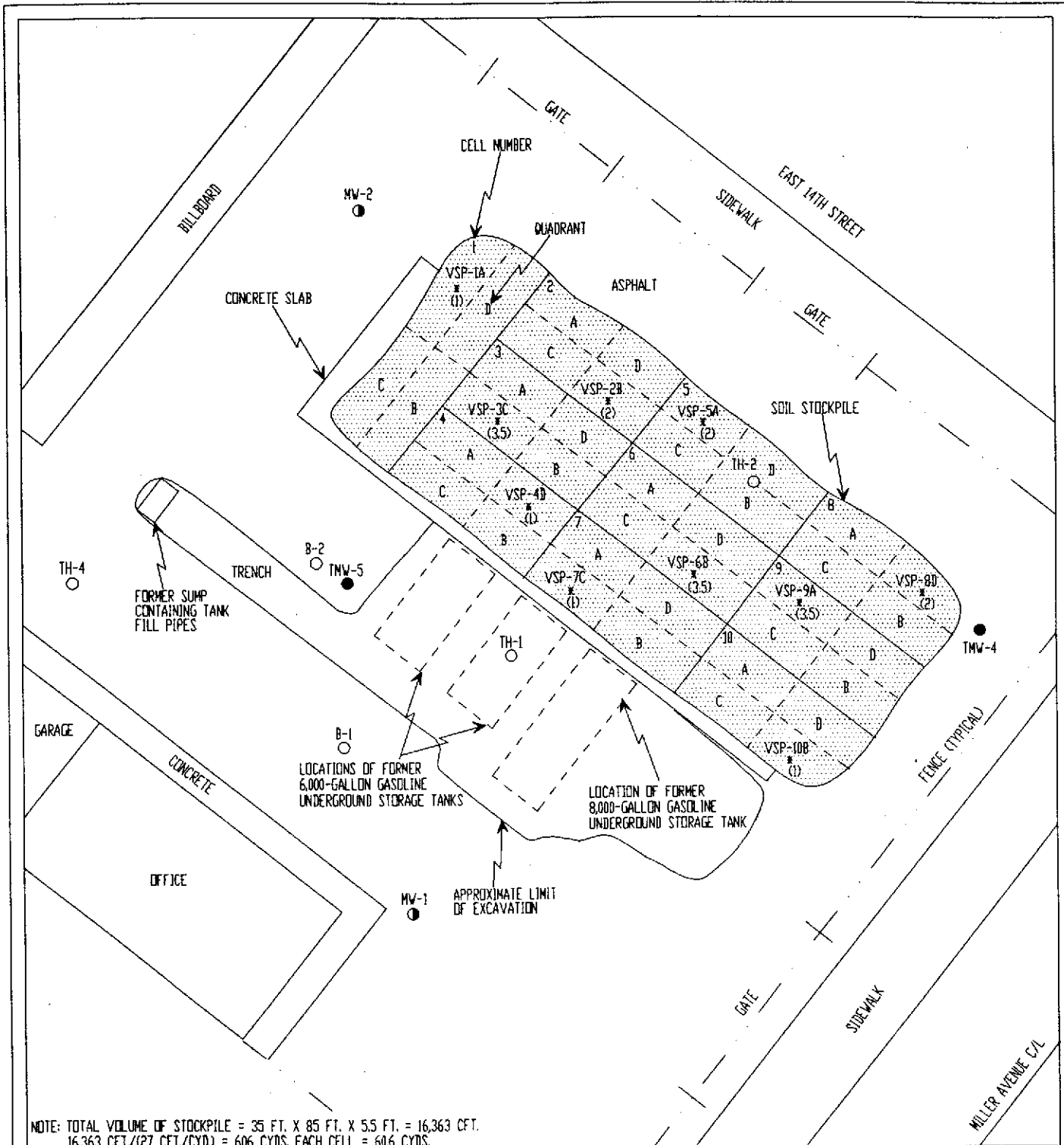


TANK PROTECT ENGINEERING

SITE PLAN:  
EXCAVATION (12/15/94)

CREDIT WORLD AUTO SALES  
2345 E. 14TH STREET  
OAKLAND, CA 94601

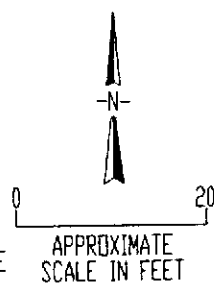
DATE	12/11/96
FIGURE	3
FILE #	267-3N
DRAWN BY	VK
CHECKED BY	LNH



NOTE: TOTAL VOLUME OF STOCKPILE = 35 FT. X 85 FT. X 5.5 FT. = 16,363 CFT.  
 16,363 CFT./27 CFT./CYD) = 606 CYDS. EACH CELL = 60.6 CYDS.

LEGEND

- TMW-4 NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY TPE
- MW-1 NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY OTHERS
- B-1 NAME AND APPROXIMATE LOCATION OF SOIL BORING DRILLED BY OTHERS
- VSP-1A (1) NAME, DEPTH AND APPROXIMATE LOCATION OF VERIFICATION SOIL SAMPLE

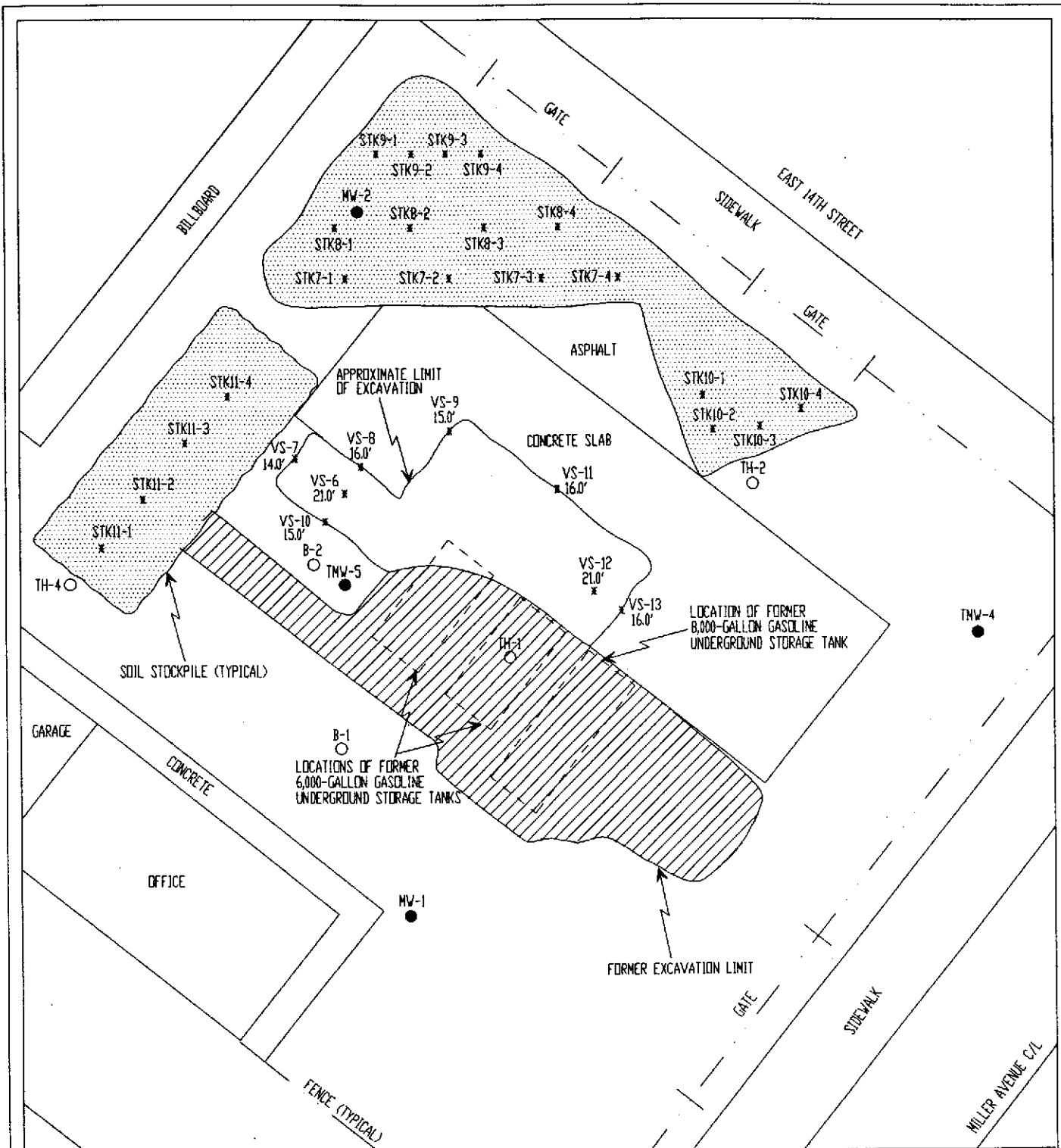


TANK PROTECT ENGINEERING

SITE PLAN:  
 VERIFICATION STOCKPILE SAMPLING (5/12/95)

CREDIT WORLD AUTO SALES  
 2345 E. 14TH STREET  
 OAKLAND, CA 94601

DATE	12/11/96
FIGURE	4
FILE #	267-4N
DRAWN BY	VK
CHECKED BY	LNH



**LEGEND**

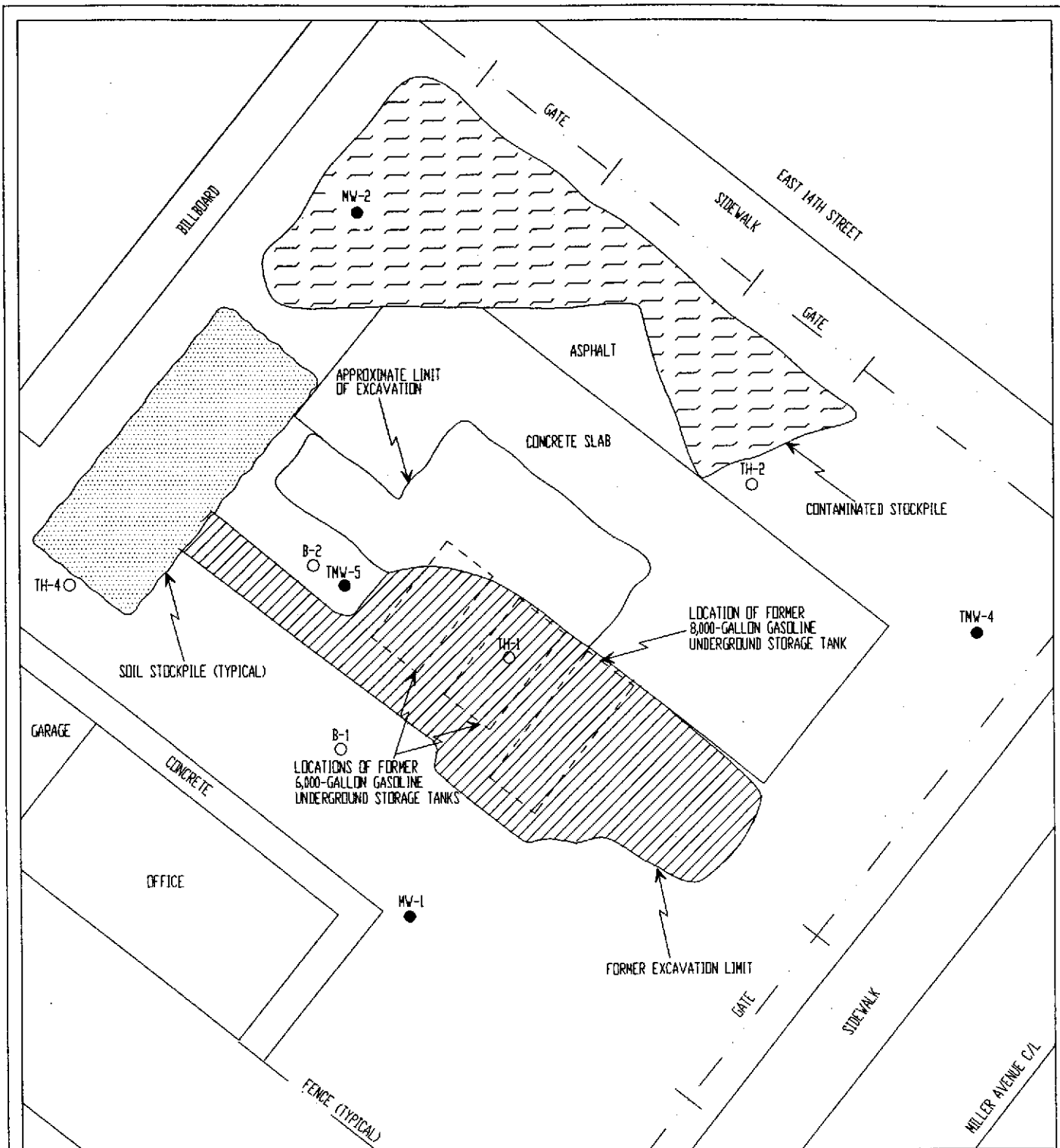
- TMW-4 NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY TPE
- MW-1 NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY OTHERS
- B-1 NAME AND APPROXIMATE LOCATION OF SOIL BORING DRILLED BY OTHERS
- VS-9 15.0' NAME, DEPTH, AND LOCATION OF SOIL SAMPLE
- VS-7 14.0'
- VS-8 16.0'
- VS-6 21.0'
- VS-10 15.0'
- VS-11 16.0'
- VS-12 21.0'
- VS-13 16.0'
- ▨ AREA BACKFILLED

0 ————— 20  
APPROXIMATE SCALE IN FEET

**TANK PROTECT ENGINEERING**

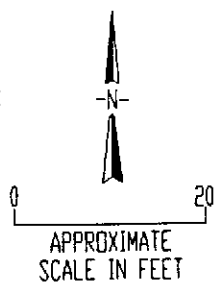
SITE PLAN:  
EXCAVATION (6/30/95 THROUGH 7/5/95)

CREDIT WORLD AUTO SALES 2345 E. 14TH STREET OAKLAND, CA 94601	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DATE</td> <td>12/11/96</td> </tr> <tr> <td>FIGURE</td> <td>5</td> </tr> <tr> <td>FILE #</td> <td>267-5N</td> </tr> <tr> <td>DRAWN BY</td> <td>VK</td> </tr> <tr> <td>CHECKED BY</td> <td>LMH</td> </tr> </table>	DATE	12/11/96	FIGURE	5	FILE #	267-5N	DRAWN BY	VK	CHECKED BY	LMH
DATE	12/11/96										
FIGURE	5										
FILE #	267-5N										
DRAWN BY	VK										
CHECKED BY	LMH										



LEGEND

- TMW-4 NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY TPE
- MW-1 NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY OTHERS
- B-1 NAME AND APPROXIMATE LOCATION OF SOIL BORING DRILLED BY OTHERS
- ▨ LOCATION OF STOCKPILE SAMPLED (7/12/95)
- ▨ AREA BACKFILLED

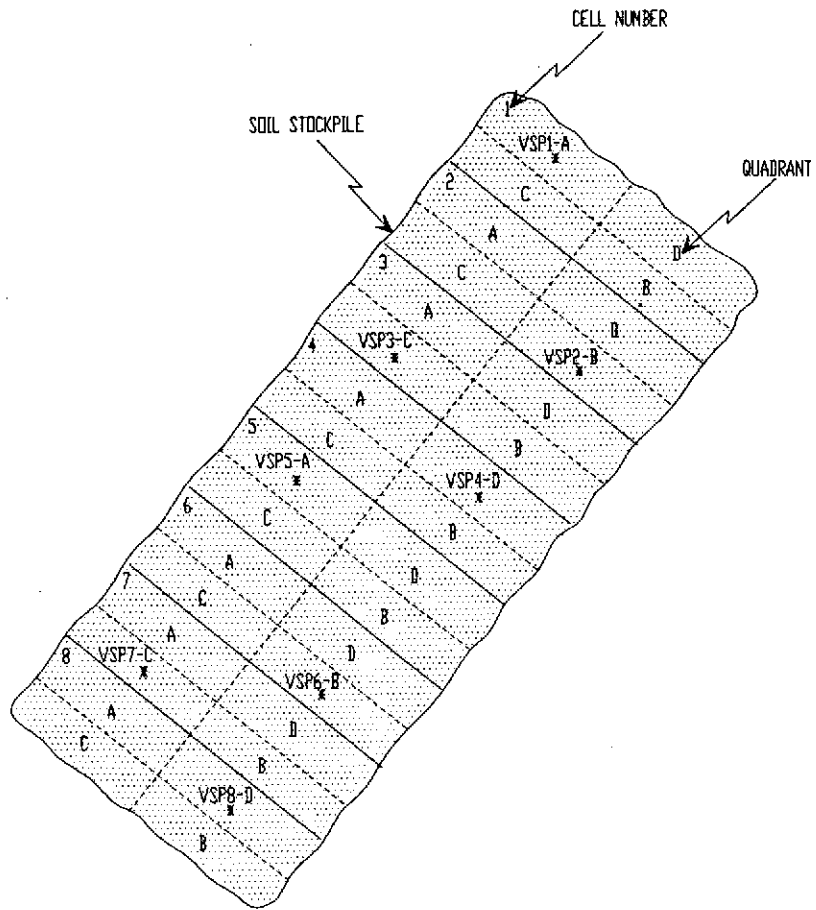


TANK PROTECT ENGINEERING

SITE PLAN:  
LOCATION OF VERIFICATION STOCKPILE SAMPLING (7/12/95)

CREDIT WORLD AUTO SALES  
2345 E. 14TH STREET  
OAKLAND, CA 94601

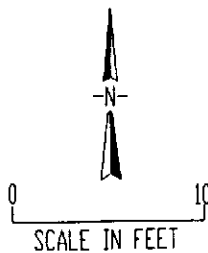
DATE	12/11/96
FIGURE	6
FILE #	267-6N
DRAWN BY	VK
CHECKED BY	LNH



NOTE: TOTAL VOLUME OF STOCKPILE 42X17X6 = 4284 CFT  
 4284 CFT / 27 CFT/ CYD = 158.66 CYDS  
 EACH CELL = 19.83 CYDS

LEGEND

VSP1-A NAME AND APPROXIMATE LOCATION  
 \* OF SOIL SAMPLE

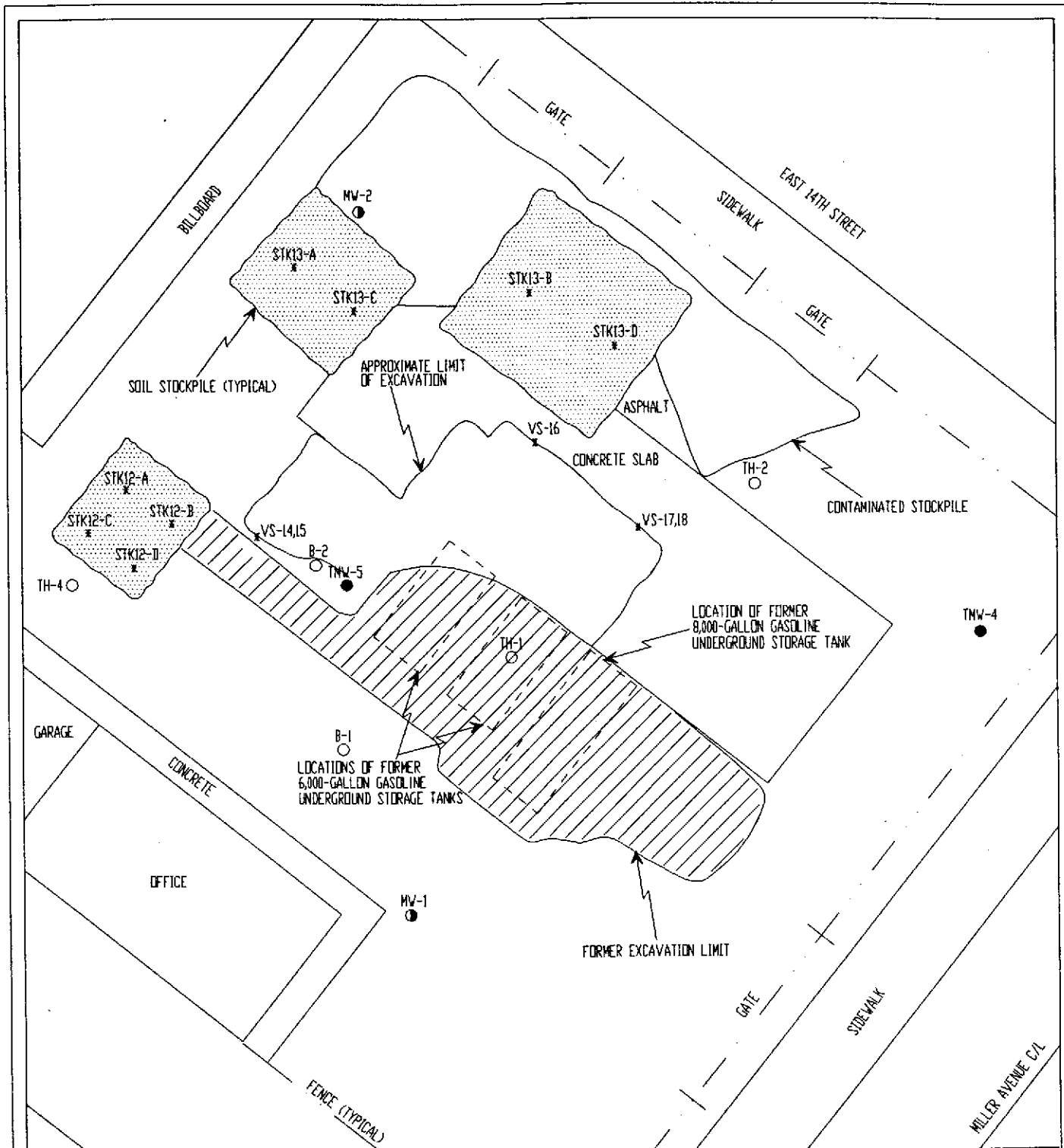


TANK PROTECT ENGINEERING

SITE PLAN:  
 VERIFICATION STOCKPILE SAMPLING (7/12/95)

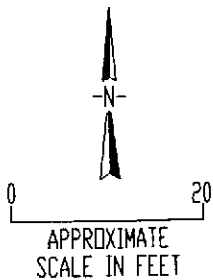
CREDIT WORLD AUTO SALES  
 2345 E. 14TH STREET  
 OAKLAND, CA 94601

DATE	12/11/96
FIGURE	7
FILE #	267-7N
DRAWN BY	VK
CHECKED BY	LNH



LEGEND

- TMW-4 NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY TPE
- MW-1 NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY OTHERS
- B-1 NAME AND APPROXIMATE LOCATION OF SOIL BORING DRILLED BY OTHERS
- \* STK12A NAME AND LOCATION OF SOIL SAMPLE
- VS-16
- ▨ AREA BACKFILLED



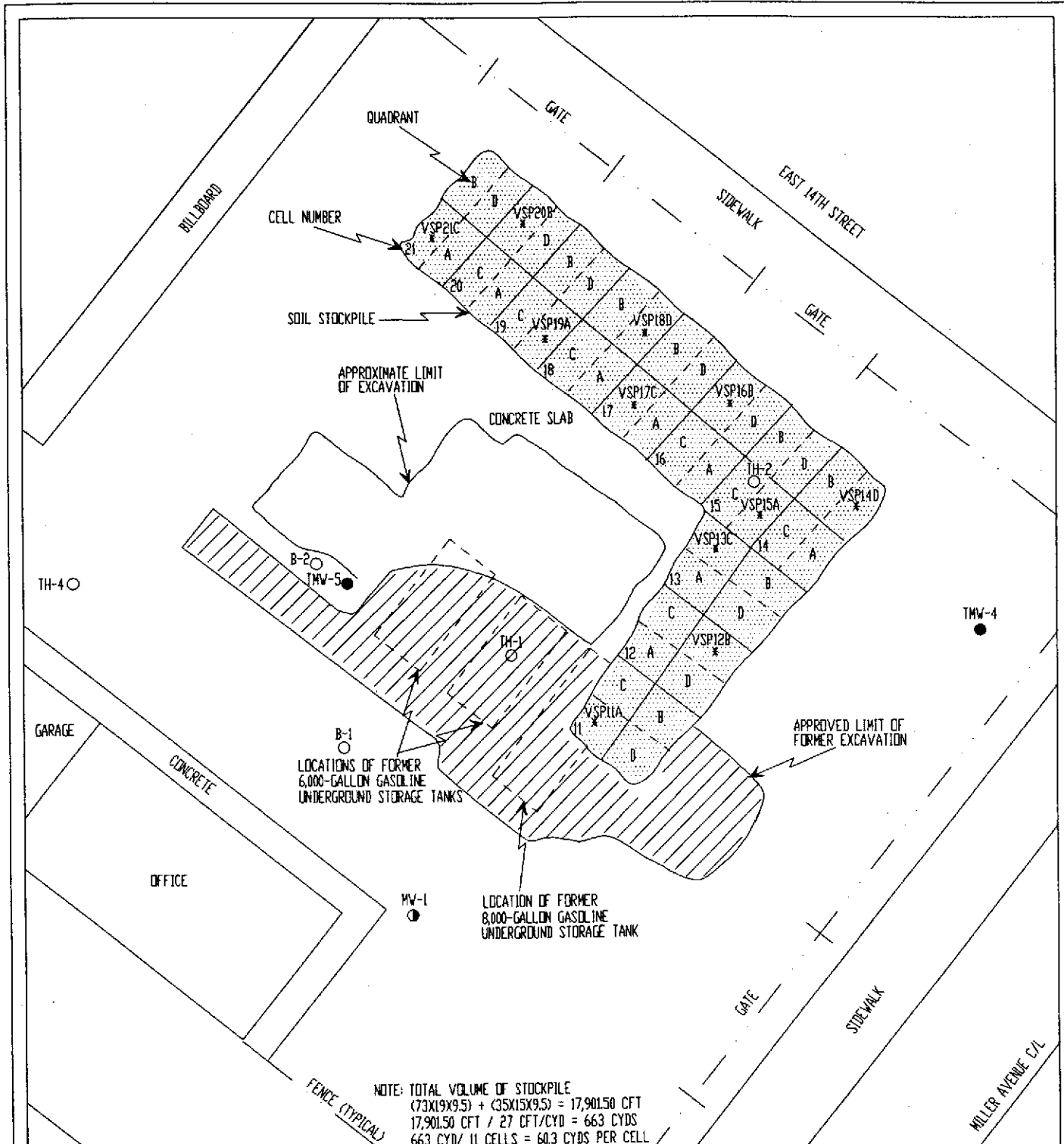
TANK PROTECT ENGINEERING

SITE PLAN:  
EXCAVATION (7/28/95)

CREDIT WORLD AUTO SALES  
2345 E. 14TH STREET  
OAKLAND, CA 94601

DATE	12/11/96
FIGURE	8
FILE #	267-BN
DRAWN BY	VK
CHECKED BY	LNH





NOTE: TOTAL VOLUME OF STOCKPILE  
 $(73 \times 19 \times 9.5) + (35 \times 15 \times 9.5) = 17,901.50 \text{ CFT}$   
 $17,901.50 \text{ CFT} / 27 \text{ CFT/CYD} = 663 \text{ CYDS}$   
 $663 \text{ CYD} / 11 \text{ CELLS} = 60.3 \text{ CYDS PER CELL}$

**LEGEND**

- TMW-4  NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY TPE
- MW-1  NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY OTHERS
- B-1  NAME AND APPROXIMATE LOCATION OF SOIL BORING DRILLED BY OTHERS
- VSP11A  \* NAME AND LOCATION OF SOIL SAMPLE
- AREA BACKFILLED

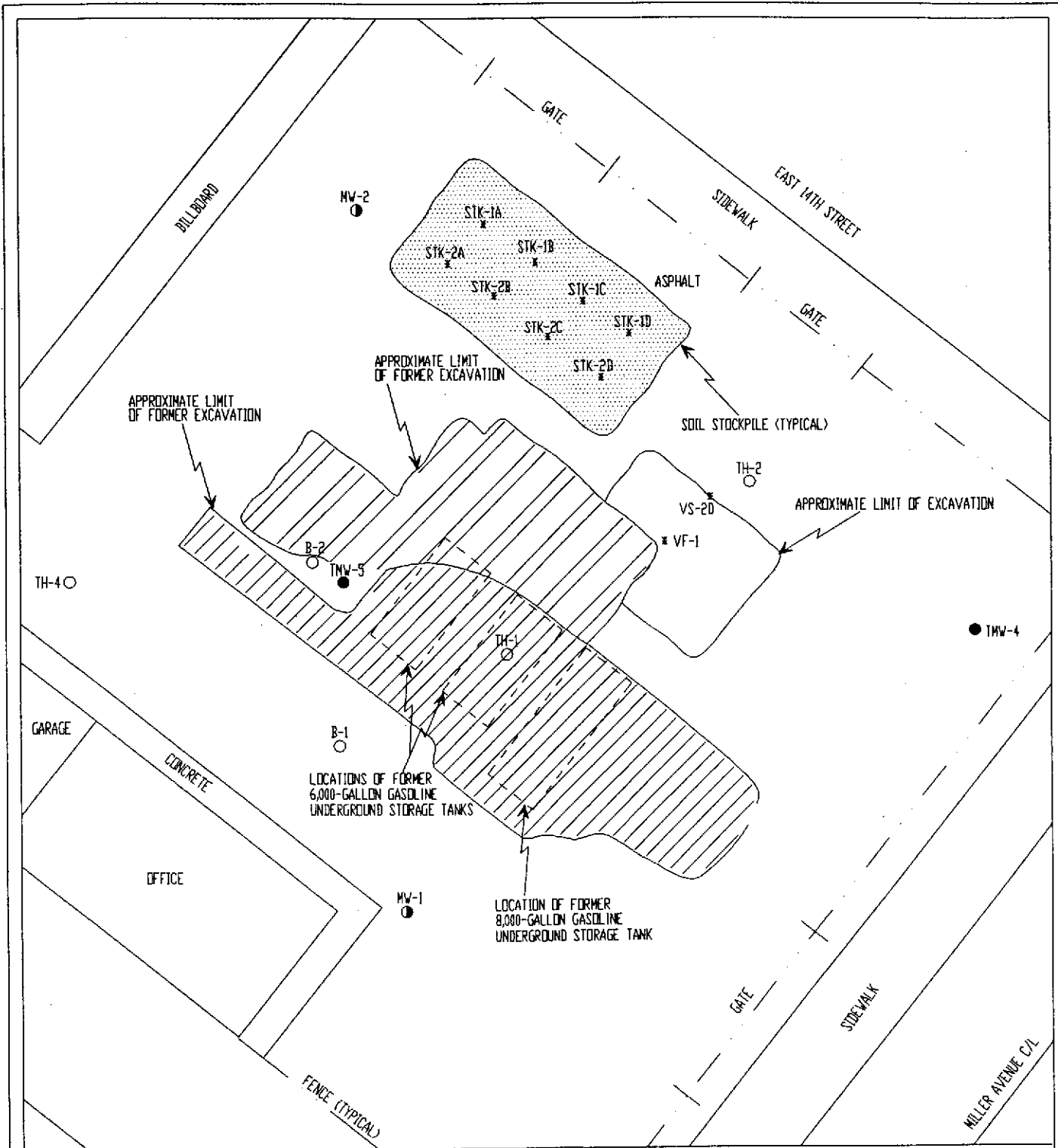
APPROXIMATE SCALE IN FEET

**TANK PROTECT ENGINEERING**

SITE PLAN:  
 VERIFICATION STOCKPILE SAMPLING (10\2\95)

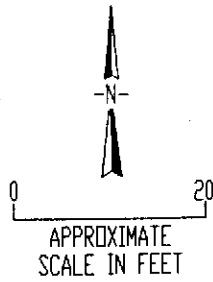
DATE	12/11/96
FIGURE	9
FILE #	267-9N
DRAWN BY	VK
CHECKED BY	LNH

CREDIT WORLD AUTO SALES  
 2345 E. 14TH STREET  
 OAKLAND, CA 94601



LEGEND

- TMW-4 ● NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY TPE
- MW-1 ● NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY OTHERS
- B-1 ○ NAME AND APPROXIMATE LOCATION OF SOIL BORING DRILLED BY OTHERS
- STK-1A \* NAME AND LOCATION OF SOIL SAMPLE
- AREA BACKFILLED

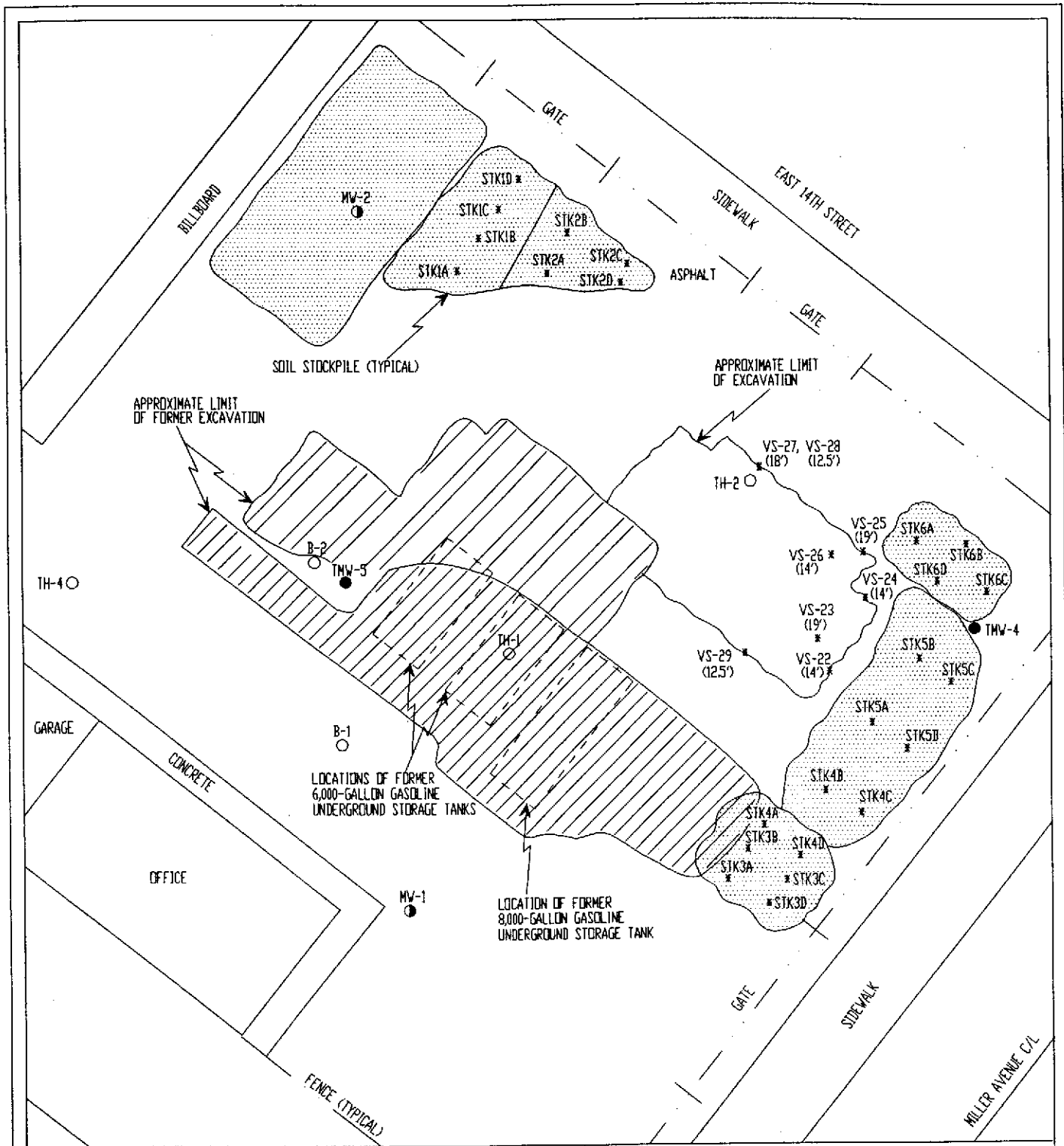


TANK PROTECT ENGINEERING

SITE PLAN:  
EXCAVATION (5/24/96)

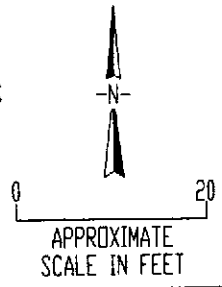
CREDIT WORLD AUTO SALES  
2345 E. 14TH STREET  
OAKLAND, CA 94601

DATE	12/11/96
FIGURE	10
FILE #	267-10N
DRAWN BY	VK
CHECKED BY	LNH



LEGEND

- TMW-4 ● NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY TPE
- MW-1 ○ NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY OTHERS
- B-1 ○ NAME AND APPROXIMATE LOCATION OF SOIL BORING DRILLED BY OTHERS
- VS-27 (18') \* NAME, DEPTH, AND LOCATION OF SOIL SAMPLE
- ▨ AREA BACKFILLED

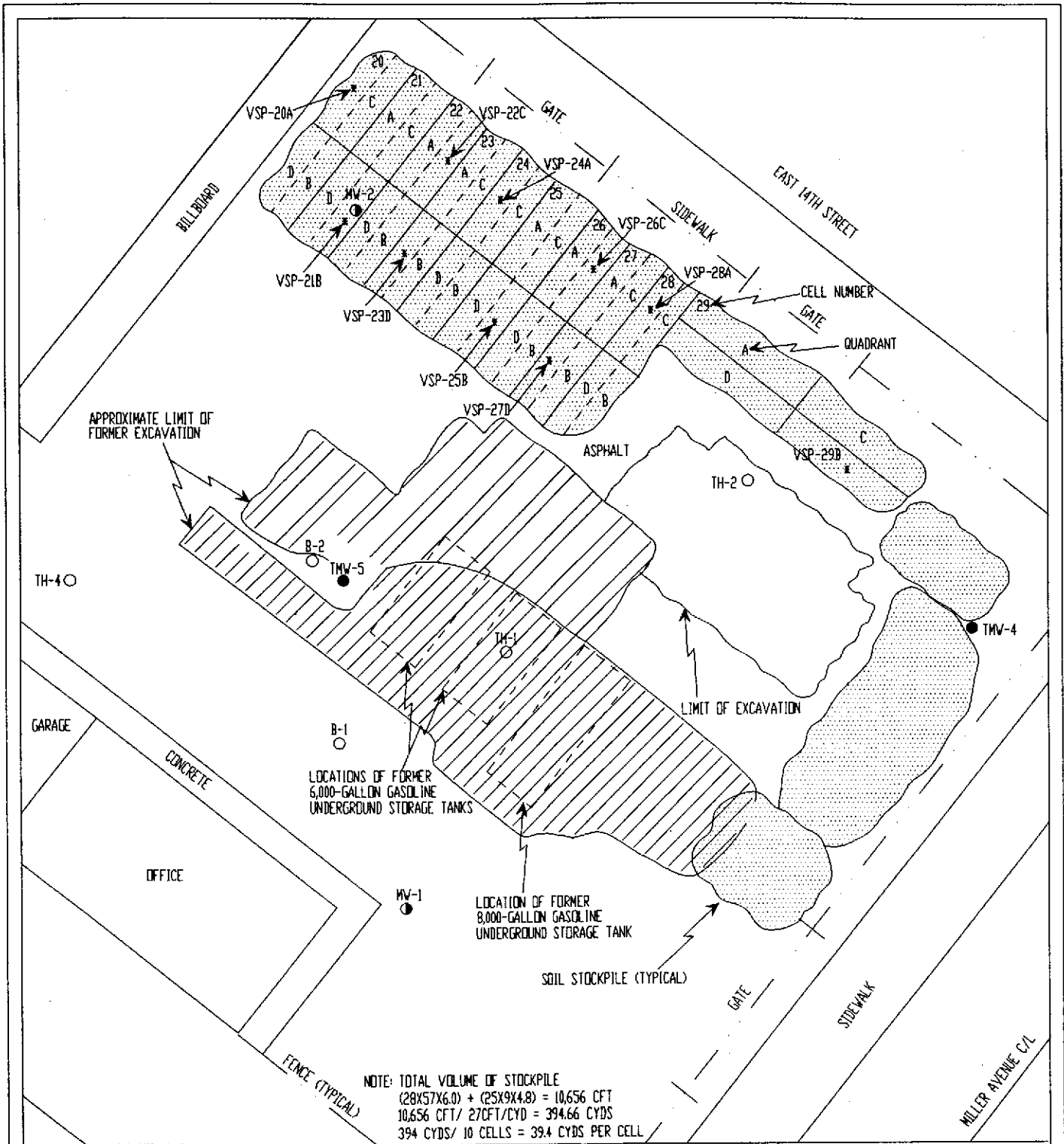


TANK PROTECT ENGINEERING

SITE PLAN:  
EXCAVATION (5/29 AND 5/30/96)

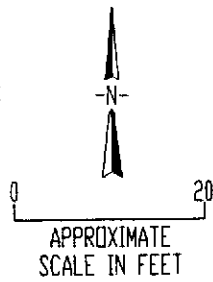
CREDIT WORLD AUTO SALES  
2345 E. 14TH STREET  
OAKLAND, CA 94601

DATE	12/11/96
FIGURE	11
FILE #	267-11N
DRAWN BY	VK
CHECKED BY	LNH



LEGEND

- TMW-4 NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY TPE
- MW-1 NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY OTHERS
- B-1 NAME AND APPROXIMATE LOCATION OF SOIL BORING DRILLED BY OTHERS
- VSP-20A \* NAME AND LOCATION OF SOIL SAMPLE
- ▨ AREA BACKFILLED

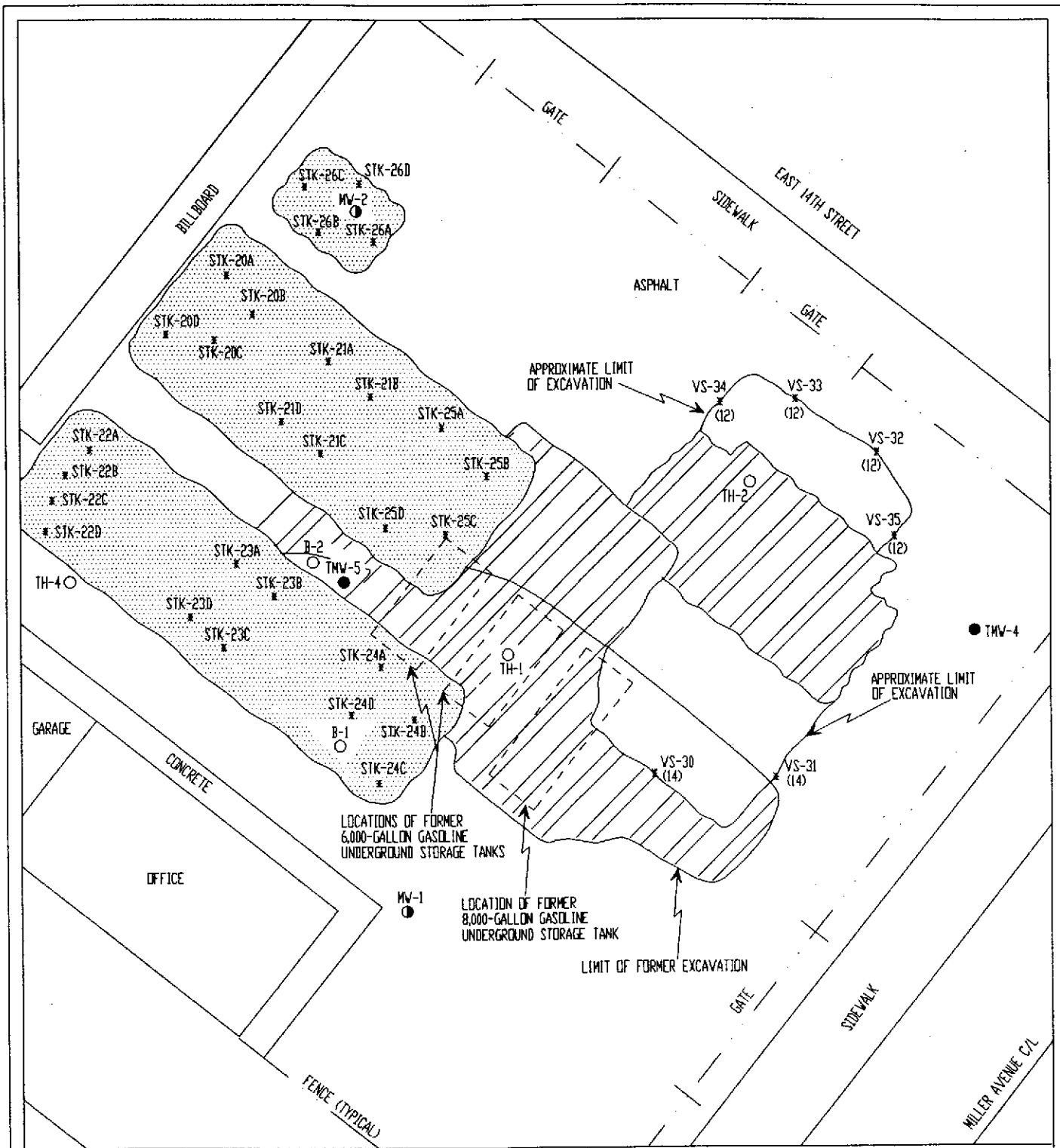


TANK PROTECT ENGINEERING

SITE PLAN:  
 STOCKPILE SOIL SAMPLING (7/30/96)

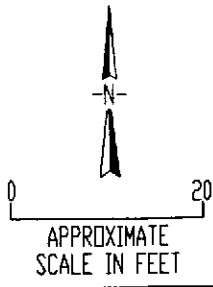
CREDIT WORLD AUTO SALES  
 2345 E. 14TH STREET  
 OAKLAND, CA 94601

DATE	12/11/96
FIGURE	12
FILE #	267-12N
DRAWN BY	VK
CHECKED BY	LNH



**LEGEND**

- VS-33 \* (12) NAME, DEPTH, AND LOCATION OF SOIL SAMPLE
- TMW-4 ● NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY TPE
- MW-1 ● NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY OTHERS
- B-1 ○ NAME AND APPROXIMATE LOCATION OF SOIL BORING DRILLED BY OTHERS
- ▨ AREA BACKFILLED

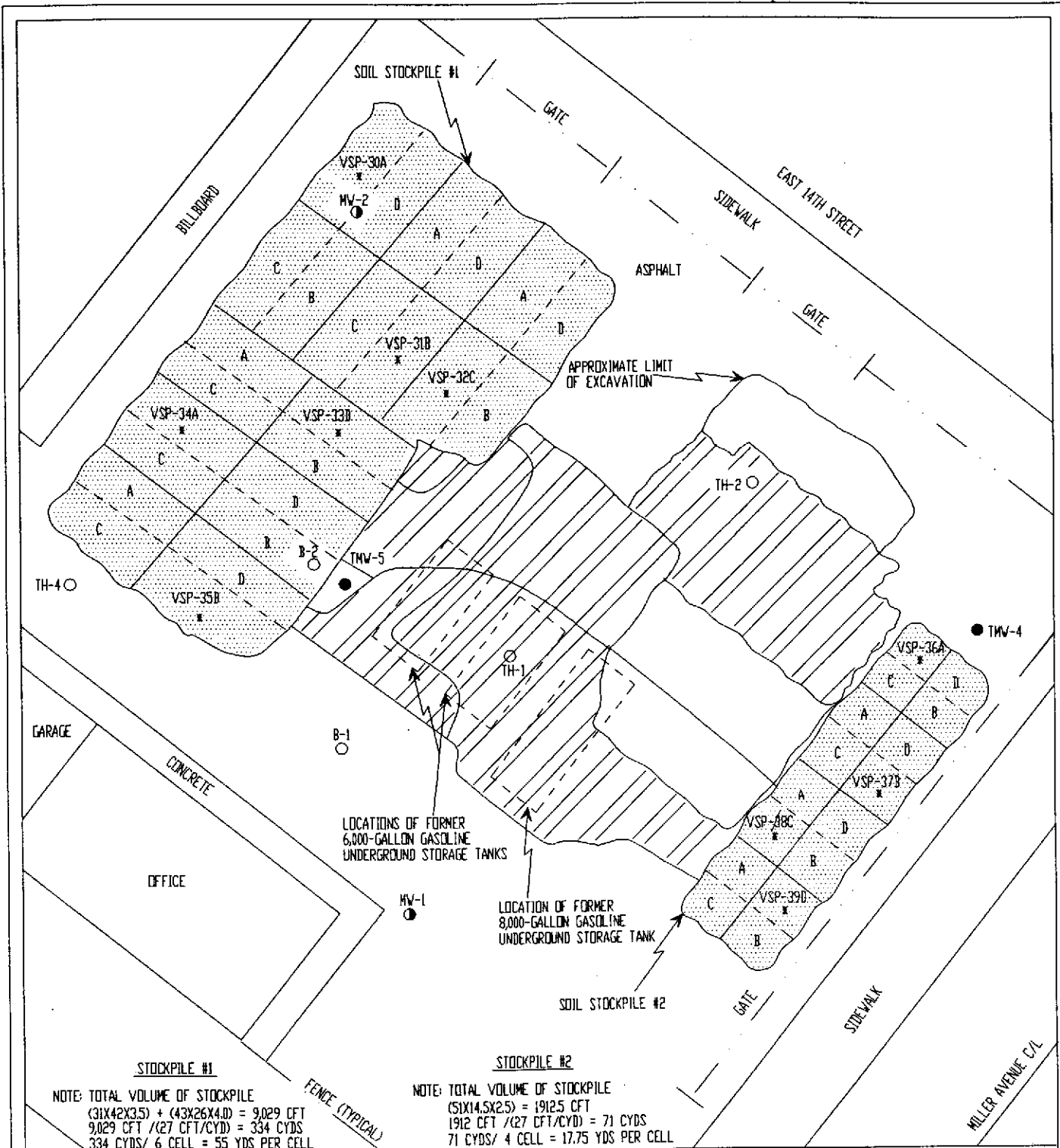


**TANK PROTECT ENGINEERING**

SITE PLAN:  
EXCAVATION (9/16/96 AND 9/17/96)

CREDIT WORLD AUTO SALES  
2345 E. 14TH STREET  
OAKLAND, CA 94601

DATE	12/11/96
FIGURE	13
FILE #	267-13N
DRAWN BY	VK
CHECKED BY	LNH



**LEGEND**

- VSP30-A NAME AND APPROXIMATE LOCATION OF SOIL SAMPLE
- \* NAME AND APPROXIMATE LOCATION OF SOIL SAMPLE
- THW-4 NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY TPE
- NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY OTHERS
- MW-1 NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY OTHERS
- B-1 NAME AND APPROXIMATE LOCATION OF SOIL BORING DRILLED BY OTHERS
- NAME AND APPROXIMATE LOCATION OF SOIL BORING DRILLED BY OTHERS
- ▨ AREA BACKFILLED

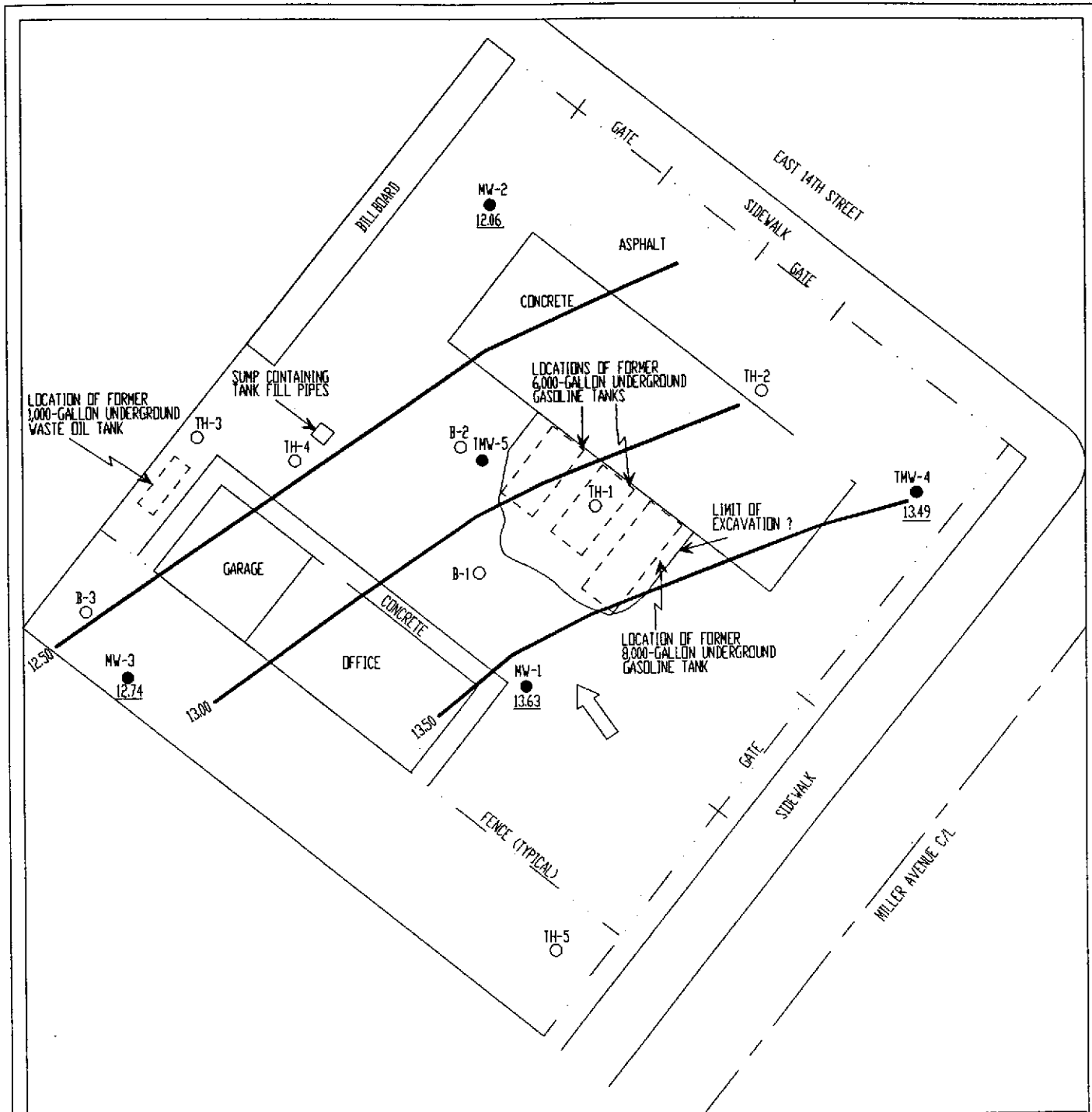
0 20

APPROXIMATE SCALE IN FEET

**TANK PROTECT ENGINEERING**

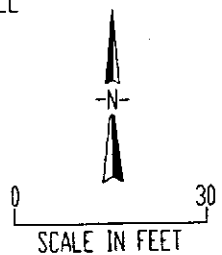
SITE PLAN:  
 VERIFICATION STOCKPILE SAMPLING (10/4/96)

CREDIT WORLD AUTO SALES	DATE	12/11/96
2345 E. 14TH STREET	FIGURE	14
OAKLAND, CA 94601	FILE #	267-14N
	DRAWN BY	VK
	CHECKED BY	LNH



LEGEND

- TMW-4 NAME AND LOCATION OF MONITORING WELL INSTALLED BY TPE
- MW-1 NAME AND LOCATION OF MONITORING WELL INSTALLED BY OTHERS
- B-1 NAME AND APPROXIMATE LOCATION OF SOIL BORING DRILLED BY OTHERS
- 12.74 POTENTIOMETRIC ELEVATION
- 12.50- POTENTIOMETRIC CONTOUR
- ← GROUNDWATER FLOW DIRECTION

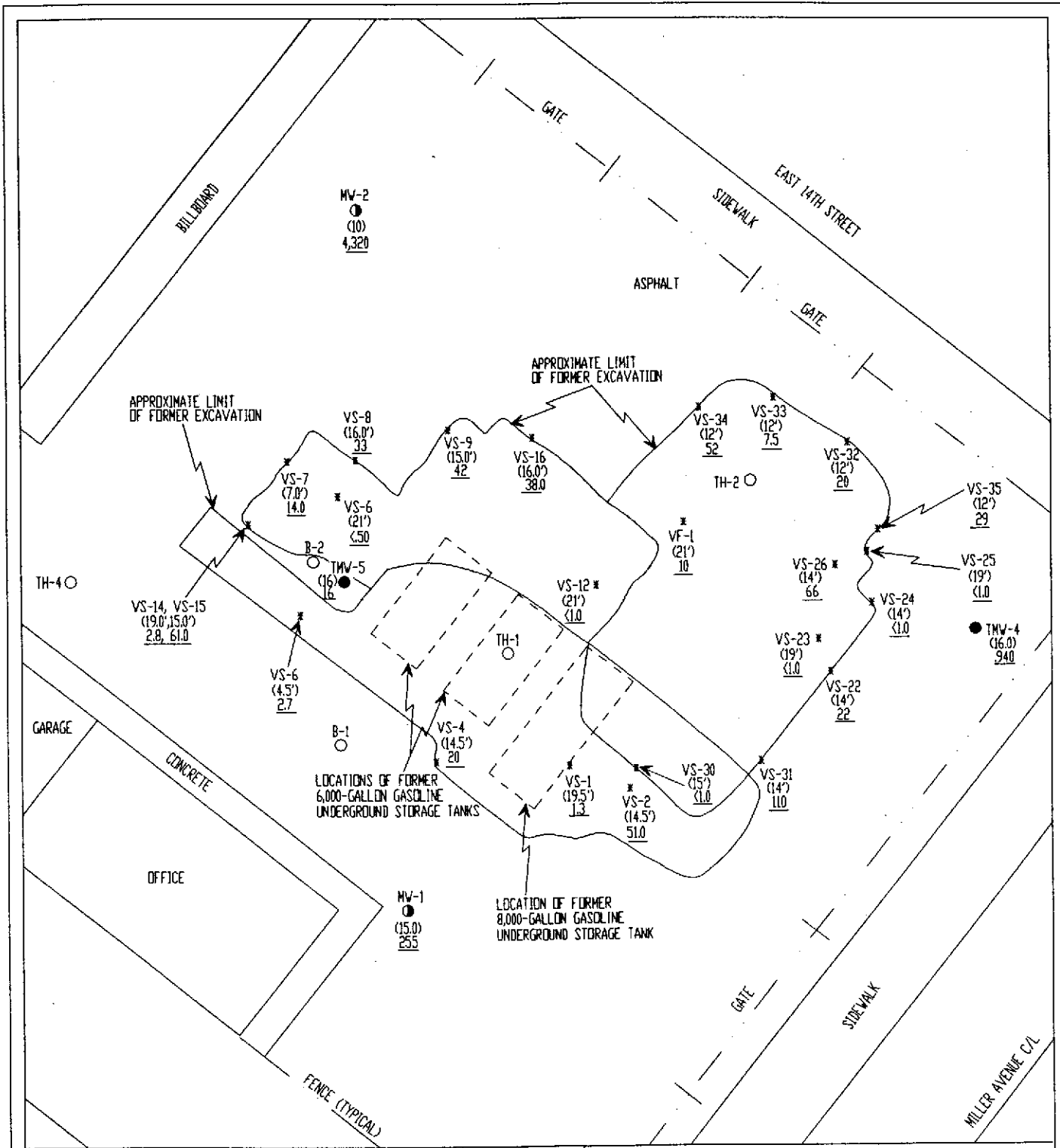


TANK PROTECT ENGINEERING

SITE PLAN:  
GROUNDWATER GRADIENT MAP (9/24 AND 9/30/1996)

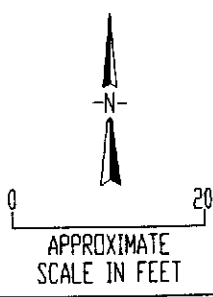
CREDIT WORLD AUTO SALES  
2345 E. 14TH STREET  
OAKLAND, CA 94601

DATE	12/11/96
FIGURE	15
FILE #	267-15N
DRAWN BY	VK
CHECKED BY	LWH



LEGEND

- NAME LOCATION OF MONITORING WELL (DEPTH OF SAMPLE COLLECTED DURING INSTALLATION)
- 100 CONCENTRATION TPHG (ppm)
- VS-27 (18') NAME, DEPTH, AND LOCATION OF SOIL SAMPLE
- \* AREA BACKFILLED



TANK PROTECT ENGINEERING

SITE PLAN:  
LOCATION OF FINAL VERIFICATION SOIL SAMPLING

CREDIT WORLD AUTO SALES  
2345 E. 14TH STREET  
OAKLAND, CA 94601

DATE	12/11/96
FIGURE	16
FILE #	267-16N
DRAWN BY	VK
CHECKED BY	LNH



TABLE 1  
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS  
(ppm<sup>l</sup>)

Sample ID Name	Date	Depth (Feet)	TPHG	Methyl t-Butyl Ether	Benzene	Toluene	Ethyl-benzene	Xylenes
B-1	10/03/88	15.0	3.4	NA <sup>4</sup>	.310	<0.1	<0.1	.140
B-2	10/03/88	15.0	83	NA	1.6	1.1	1.8	9.6
B-3	10/03/88	15.0	NA	NA	.360	.650	.470	.850
MW-1	05/22/91	10.0	150	NA	.460	.365	.305	.960
MW-1	05/22/91	15.0	255	NA	1.505	4.255	4.015	4.270
TH-1	08/21/91	15.0	2,775	NA	1.235	1.060	1.625	5.280
TH-2	08/21/91	10.0	360	NA	<0.005	<0.005	<0.005	0.770
TH-2	08/21/91	30.0	50	NA	<0.005	<0.005	<0.005	<0.005
MW-2	08/21/91	10.0	4,320	NA	7.275	6.620	3.470	13.815
MW-2	08/21/91	15.0	160	NA	<0.005	<0.005	<0.005	<0.005
TH-3 <sup>2</sup>	08/22/91	10.0	10	NA	<0.005	<0.005	<0.005	<0.005
TH-3 <sup>2</sup>	08/22/91	19.0	10	NA	<0.005	<0.005	<0.005	<0.005
TH-4 <sup>2</sup>	08/22/91	10.0	25	NA	<0.005	<0.005	<0.005	0.175
TH-4 <sup>2</sup>	08/22/91	20.0	450	NA	<0.005	<0.005	<0.005	<0.005
MW-3 <sup>2</sup>	08/22/91	10.0	50	NA	<0.005	<0.005	<0.005	<0.005
MW-3 <sup>2</sup>	08/22/91	15.0	25	NA	<0.005	<0.005	<0.005	<0.005
TH-5	08/22/91	10.0	10	NA	<0.005	<0.005	<0.005	<0.005
TH-5	08/22/91	18.0	<5	NA	<0.005	<0.005	<0.005	<0.005
TMW-4	07/22/93	5.5-6.0	<.500	NA	<0.005	<0.005	<0.005	<.015
TMW-4	07/22/93	10.5-11.0	<.500	NA	<0.005	<0.005	<0.005	<.015
TMW-4	07/22/93	15.5-16.0	.940	NA	<0.005	<0.005	<0.005	<.015
TMW-5	07/23/93	5.5-6.0	2.4	NA	.026	<0.005	<0.005	.053
TMW-5	07/23/93	10.5-11.0	14	NA	.900	<0.005	1.6	<.140
TMW-5	07/23/93	15.5-16.0	16	NA	.840	<0.005	.690	1.3
VS-1	12/06/94	19.5	1.3	NA	.010	.061	.027	.190
VS-2	12/06/94	14.5	51	NA	.61	.100	1.3	.940
VS-3	12/06/94	16.5	210	NA	1.1	.300	4.5	140

TABLE 1  
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS  
(ppm<sup>1</sup>)

Sample ID Name	Date	Depth (Feet)	TPHG	Methyl t-Butyl Ether	Benzene	Toluene	Ethylbenzene	Xylenes
VS-4	12/06/94	14.5	20	NA	1.2	.094	.470	2.4
VS-5	12/06/94	13.5	100	NA	.440	<.150	2.2	8.5
VS-6	12/06/94	4.0	2.7	NA	.046	<0.005	<0.005	<0.015
STK1-A,B,C,D	12/06/94	2.0-2.5	5.3	NA	<.014	<.014	.023	.12
STK2-A,B,C,D	12/06/94	2.0-2.5	9.2	NA	.015	<.014	.084	.300
STK3-A,B,C,D	12/06/94	3.5-4.0	45	NA	<.140	.180	.710	4.4
STK4-A,B,C,D	12/06/94	3.0-3.5	40	NA	.380	.140	.750	2.5
STK5-A,B,C,D	12/06/94	4.0-4.5	78	NA	.200	.780	1.2	8.1
STK6-A,B	12/06/94	2.0-2.5	9.8	NA	.052	<0.015	.046	.240
VSP-1A	05/12/95	1.0-1.5	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP-2B	05/12/95	2.0-2.5	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP-3C	05/12/95	3.5-4.0	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP-4D	05/12/95	1.0-1.5	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP-5A	05/12/95	2.0-2.5	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP-6B	05/12/95	3.5-4.0	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP-7C	05/12/95	1.0-1.5	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP-8D	05/12/95	2.0-2.5	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP-9A	05/12/95	3.5-4.0	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP-10B	05/12/95	1.0-1.5	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VS-6	06/30/95	21.0	<0.5	NA	<0.005	<0.005	<0.005	<0.015
VS-7	06/30/95	14.0	50	NA	.370	.070	.990	3.3
STK7(1-4)	07/03/95	3.0-3.5	290	NA	.560	.970	3.0	11.0
STK8(1-4)	07/03/95	2.0-2.5	49	NA	.100	.100	.550	1.8
STK9(1-4)	07/03/95	2.0-2.5	78	NA	.052	.036	.520	1.6
STK10(1,2,3,4)	07/03/95	3.0-3.5	22	NA	.012	.012	.032	.089
STK11(1,2,3,4) <sup>3</sup>	07/03/95	3.0-3.5	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VS-8	07/03/95	16.0	33	NA	.036	.022	.066	.099

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS  
(ppm<sup>1</sup>)

Sample ID Name	Date	Depth (Feet)	TPHG	Methyl t-Butyl Ether	Benzene	Toluene	Ethyl-benzene	Xylenes
VS-9	07/05/95	15.0	42	NA	.060	.036	.089	.120
VS-10	07/05/95	15.0	130	NA	.180	.085	.250	.370
VS-11	07/05/95	16.0	81	NA	.073	.086	.160	.210
VS-12	07/05/95	21.0	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VS-13	07/05/95	16.0	75	NA	.048	.040	.078	.180
VSP 1A	07/12/95	1.0-1.5	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP 2B	07/12/95	2.0-2.5	4.0	NA	<0.005	.017	.026	.099
VSP 3C	07/12/95	3.5-4.0	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP 4D	07/12/95	1.0-1.5	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP 5A	07/12/95	2.0-2.5	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP 6B	07/12/95	3.5-4.0	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP 7C	07/12/95	1.0-1.5	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP 8D	07/12/95	2.0-2.5	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VS-14	07/28/95	19.0	2.8	NA	.300	.016	.094	.140
VS-15	07/28/95	15.0	61	NA	.470	.042	1.2	.730
VS-16	07/28/95	16.0	38	NA	.400	.043	.420	.590
VS-17	07/28/95	19.0	14	NA	.120	.018	.150	.110
VS-18	07/28/95	14.0	590	NA	3.1	2.4	10	52
STK12(A-D)	07/28/95	2.0-2.5	87	NA	.260	.140	1.6	3
STK13(A-D)	07/28/95	3.0-3.5	58	NA	.210	.097	.630	2.3
VSP 11A	10/03/95	1.5-2.0	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP 12B	10/03/95	2.0-2.5	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP 13C	10/03/95	3.0-3.5	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP 14D	10/03/95	1.5-2.0	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP 15A	10/03/95	2.0-2.5	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP 16B	10/03/95	3.0-3.5	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP 17C	10/03/95	1.5-2.0	<1.0	NA	<0.005	<0.005	<0.005	<0.005

TABLE 1  
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS  
(ppm<sup>1</sup>)

Sample ID Name	Date	Depth (Feet)	TPHG	Methyl t-Butyl Ether	Benzene	Toluene	Ethyl-benzene	Xylenes
VSP 18D	10/03/95	2.0-2.5	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP 19A	10/03/95	3.0-3.5	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP 20B	10/03/95	1.5-2.0	<1.0	NA	<0.005	<0.005	<0.005	<0.005
VSP 21C	10/03/95	2.0-2.5	<1.0	NA	<0.005	<0.005	<0.005	<0.005
STK-1 A,B,C,D	05/24/96	2.0-3.0	170	<0.005	.110	.160	.710	2.6
VS-2D	05/24/96	18.0	140	<0.005	.170	.210	.280	1.5
VF-1	05/24/96	21.0	10	<0.005	<0.005	.0074	.0095	.037
STK-2 A,B,C,D	05/24/96	2.0-3.0	320	<0.005	.100	.095	1.2	2.1
STK-1,A,B,C,D	05/29/96	2.5-3.0	1.7	<0.005	<0.005	<0.005	.005	.017
STK-2A,B,C,D	05/29/96	2.5-3.0	140	<0.005	.013	.026	.047	.094
VS-22	05/29/96	14.0	22	<0.005	.0065	<0.005	.020	.031
VS-23	05/29/96	19.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VS-24	05/29/96	14.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VS-25	05/29/96	19.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VS-26	05/29/96	14.0	66	<0.005	.0063	.022	.024	.130
VS-27	05/29/96	18.0	3.9	<0.005	<0.005	<0.005	<0.005	.033
VS-28	05/29/96	12.5	450	<0.005	.170	.120	.280	.390
STK-3A,B,C,D	05/30/96	2.5-3.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
STK-4A,B,C,D	05/30/96	2.5-3.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
STK-5A,B,C,D	05/30/96	2.5-3.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
STK-6A,B,C,D	05/30/96	2.5-3.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VS-29	05/30/96	12.5	470	<0.005	.049	.085	.250	.760
VSP-20A	07/30/96	1.5-2.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VSP-21B	07/30/96	2.5-3.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VSP-22C	07/30/96	3.5-4.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VSP-23D	07/30/96	1.5-2.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VSP-24A	07/30/96	2.5-3.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005

TABLE 1  
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS  
(ppm<sup>1</sup>)

Sample ID Name	Date	Depth (Feet)	TPHG	Methyl t-Butyl Ether	Benzene	Toluene	Ethylbenzene	Xylenes
VSP-25B	07/30/96	3.5-4.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VSP-26C	07/30/96	1.5-2.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VSP-27D	07/30/96	2.5-3.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VSP-28A	07/30/96	3.5-4.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VSP-29B	07/30/96	1.5-2.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
STK-20A,B,C,D	09/16/96	2.0-2.5	44	<0.005	.075	.090	.110	.170
STK-22A,B,C,D	09/16/96	1.5-2.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
STK-23A,B,C,D	09/16/96	1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VS-30	09/16/96	15	8.2	<0.005	.040	.054	.250	.210
VS-31	09/16/96	14	110	<0.005	.280	.210	.460	.490
STK-25A,B,C,D	09/17/96	1.0	210	<0.005	.180	.098	.120	.240
STK-26A,B,C,D	09/17/96	1.0	31	<0.005	.050	.063	.084	.250
VS-32	09/17/96	12	20	<0.005	.120	.120	.130	.280
VS-33	09/17/96	12	7.5	<0.005	.019	.034	.060	.200
VS-34	09/17/96	12	52	<0.005	.190	.140	.630	.660
VS-35	09/17/96	12	29	<0.005	.023	.130	.072	.500
STK-21A,B,C,D	09/17/96	1.0	90	<0.005	.120	.084	.190	.320
STK-24A,B,C,D	09/17/96	1.5-2.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VSP-30A	10/04/96	1.0-1.5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VSP-31B	10/04/96	1.5-2.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VSP-32C	10/04/96	2.0-2.5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VSP-33D	10/04/96	1.0-1.5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VSP-34A	10/04/96	1.5-2.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VSP-35B	10/04/96	2.0-2.5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VSP-36A	10/04/96	1.5-2.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VSP-37B	10/04/96	1.5-2.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
VSP-38C	10/04/96	1.5-2.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005

TABLE 1  
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS  
(ppm<sup>1</sup>)

Sample ID Name	Date	Depth (Feet)	TPHG	Methyl t-Butyl Ether	Benzene	Toluene	Ethyl-benzene	Xylenes
VSP-39D	10/04/96	1.5-2.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005

<sup>1</sup> PARTS PER MILLION.

<sup>2</sup> ALSO ANALYZED FOR TOTAL RECOVERABLE HYDROCARBONS BY ESE; SEE ESE 12/23/91 REPORT FOR ANALYTICAL RESULTS.

<sup>3</sup> ALSO ANALYZED FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL: ALL ANALYTICAL RESULTS WERE NONDETECTABLE.

<sup>4</sup> NOT ANALYZED.

TABLE 2  
SUMMARY OF EXCAVATION GROUNDWATER SAMPLE ANALYTICAL RESULTS  
(ppb<sup>1</sup>)

Sample ID Name	Date	TPHG	Benzene	Toluene	Ethyl-benzene	Xylenes
GB-1 <sup>2</sup>	05/12/95	<50.0	<0.5	<0.5	<0.5	<0.5

<sup>1</sup> PARTS PER BILLION.

<sup>2</sup> EXCAVATION SAMPLE

TABLE 3  
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS  
(ppb<sup>1</sup>)

Sample ID Name	Date	TPHG	Methyl t-Butyl Ether	Benzene	Toluene	Ethyl-benzene	Xylenes
MW-1	08/17/93	110,000	NA <sup>2</sup>	270	690	730	3,100
	03/28/94	34,000	NA	4,900	1,800	1,200	4,000
	06/27/94	21,000	NA	12,000	810	760	2,500
	09/16/94	37,000	NA	7,900	2,400	1,300	3,300
	03/31/95	43,000	NA	8,100	1,900	1,000	4,200
	06/28/95	80,000	NA	7,900	3,200	1,800	7,300
	09/28/95	24,000	<1,200	4,900	470	470	1,700
	12/26/95	61,000	<1,200	12,000	4,200	1,500	5,500
	03/22/96	19,000	<2,500	6,000	47	260	<750
	06/20/96	15,000	910	2,900	100	240	98
	09/24/96	20,000	340	4,800	220	300	770
MW-2	08/17/93	49,000	NA	94	240	250	980
	03/28/94	14,000	NA	4,200	<250	910	1,400
	06/27/94	24,000	NA	4,400	72	1,100	1,700
	09/16/94	40,000	NA	2,300	250	2,000	4,100
	03/31/95	28,000	NA	4,000	<120	1,100	1,400
	06/28/95	40,000	NA	2,700	130	1,700	2,900
	09/28/95	7,500	<62	420	14	250	190
	12/26/95	22,000	<250	1,300	88	950	1,800
	03/22/96	9,800	<1,200	2,200	<120	400	<380
	06/20/96	35,000	550	770	<0.5	240	<0.5
	09/30/96	58,000	<5.0	1,600	230	2,200	4,000
MW-3	08/17/93	9,600	NA	4.1	17	28	54
	03/28/94	8,400	NA	2,400	56	67	200
	06/27/94	9,900	NA	3,300	<22	<25	73
	09/16/94	16,000	NA	2,300	80	620	240
	03/31/95	16,000	NA	2,800	70	<25	920



TABLE 3  
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS  
(ppb<sup>1</sup>)

Sample ID Name	Date	TPHG	Methyl t-butyl ether	Benzene	Toluene	Ethyl-benzene	Xylenes
MW-3	06/28/95	11,000	NA	2,300	32	81	240
	09/28/95	6,300	<420	1,900	<42	200	<120
	12/26/95	25,000	<250	3,800	97	94	1,600
	03/22/96	16,000	250	3,100	75	69	350
	06/20/96	8,500	220	1,400	28	140	15
	09/24/96	12,000	<5.0	2,400	87	340	110
TMW-4	08/17/93	150	NA	<0.50	0.8	1.4	3.7
	03/28/94	<50	NA	<0.50	<0.50	<0.50	<1.5
	06/27/94	<50	NA	<0.50	<0.50	<0.50	<1.5
	09/16/94	<50	NA	<0.50	<0.50	<0.50	<1.5
	03/31/95	<50	NA	<0.50	<0.50	<0.50	<1.5
	06/28/95	<50	NA	<0.50	<0.50	<0.50	<1.5
	09/28/95	<50	<5.0	<0.50	<0.50	<0.50	<1.5
	12/26/95	<50	<5.0	<0.50	<0.50	<0.50	<1.5
	03/22/96	<50	<5.0	<0.50	<0.50	<0.50	<1.5
	06/20/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	09/24/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
TMW-5	08/17/93	120,000	NA	340	730	790	3,600
	03/28/94	70,000	NA	23,000	1,500	4,100	15,000
	06/28/94	56,000	NA	26,000	940	5,500	26,000
	09/16/94	96,000	NA	17,000	720	3,500	12,000
	03/31/95	64,000	NA	13,000	470	2,800	6,100
	06/28/95	65,000	NA	9,000	240	2,600	5,300
	09/28/95	79,000	<1,200	17,000	1,800	2,700	7,000
	12/26/95	110,000	<1,200	24,000	2,300	4,100	10,000
	03/22/96	56,000	<2,500	11,000	800	2,300	4,500
	06/26/96	30,000	830	4,000	180	1,500	2,500
	09/30/96	6,900	<5.0	1,600	79	130	370

TABLE 3  
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS  
(ppb<sup>1</sup>)

Sample ID Name	Date	TPHG	Methyl t-butyl ether	Benzene	Toluene	Ethyl-benzene	Xylenes
MW-6 <sup>4</sup>	03/22/96	<50	<5.0	<0.50	<0.50	<0.50	<1.5
	06/20/96	<50	<5.0	<0.5	<0.5	<0.5	<0.50
	09/24/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	09/30/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5

<sup>1</sup> PARTS PER BILLION.

<sup>2</sup> NOT ANALYZED.

<sup>3</sup> TRIP BLANK.

<sup>4</sup> SAME AS TMW-6 (TRIP BLANK).

TABLE 4  
SUMMARY OF FLOATING PRODUCT THICKNESS

Well Name	Date	Depth-to-Water From TOC <sup>1</sup> (Feet)	Depth-to-Product From TOC (Feet)	Product Thickness (Feet)
MW-1	04/16/92 <sup>2</sup>	16.66	11.54	5.12
	06/11/93	12.61	12.60	0.01
	08/17/93	14.40	13.63	0.77
	03/31/94	12.64	ND	---
	06/27/94	14.32	13.16	1.16
	09/16/94	15.86	13.64	2.22
	03/31/95	11.82	9.48	2.34
	06/28/95	13.50	12.60	0.90
	09/28/95	14.27	13.96	0.31
	12/26/95	11.77	11.62	0.15
	03/22/96	10.52	10.44	0.08
	06/20/96	13.38	12.49	0.089
	09/24/96	14.60	13.40	1.20
MW-2	04/16/92 <sup>2</sup>	15.38	12.57	2.81
	06/11/93	13.185	ND <sup>3</sup>	---
	08/17/93	14.04	14.03	0.01
	03/31/94	13.61	13.07	0.54
	06/27/94	14.24	13.44	0.80
	09/16/94	17.82	13.36	4.46
	03/31/95	16.72	9.28	7.44
	06/28/95	13.50	12.77	0.73
	09/28/95	14.63	14.09	0.54
	12/26/95	12.58	11.68	0.90
	03/22/96	11.46	11.31	0.15
	06/20/96	13.08	12.71	0.37
	09/30/96	16.67	12.92	3.75

TABLE 4  
SUMMARY OF FLOATING PRODUCT THICKNESS

Well Name	Date	Depth-to-Water From TOC <sup>1</sup> (Feet)	Depth-to-Product From TOC (Feet)	Product Thickness (Feet)
MW-3	04/16/92 <sup>2</sup>	14.14	13.98	0.16
	06/11/93	14.275	ND	---
	08/17/93	15.77	ND	---
	03/31/94	14.35	ND	---
	06/27/94	14.77	ND	
	09/16/94	15.42	15.37	
	03/31/95	12.98	12.52	0.46
	06/28/95	14.20	14.15	0.05
	09/28/95	15.7	ND	--
	12/26/95	13.33	13.27	0.06
	03/22/96	12.81	12.77	0.04
	06/20/96	13.95	13.88	0.07
	09/24/96	14.86	14.82	0.04
TMW-4	08/17/93	13.26	ND	---
	03/31/94	12.40	ND	---
	06/27/94	12.84	ND	---
	09/16/94	13.58	ND	---
	03/31/95	10.23	ND	---
	06/28/95	12.21	ND	---
	09/28/95	13.38	ND	---
	12/26/95	11.32	ND	---
	03/22/96	10.54	ND	---
	06/20/96	12.14	ND	---
	09/24/96	13.01	ND	---
TMW-5	08/17/93	12.98	12.95	0.03
	03/31/94	11.39	ND	---
	06/27/94	12.24	ND	---

**TABLE 4**  
**SUMMARY OF FLOATING PRODUCT THICKNESS**

Well Name	Date	Depth-to-Water From TOC <sup>1</sup> (Feet)	Depth-to-Product From TOC (Feet)	Product Thickness (Feet)
TMW-5	09/16/94	13.02	12.97	0.05
	03/31/95	7.38	ND	---
	06/28/95	11.31	11.25	0.06
	09/28/95	14.42	ND	---
	12/26/95	10.16	10.11	0.05
	03/22/96	7.59	7.54	0.05
	06/20/96 <sup>11</sup>	7.12	ND	---
	09/30/96 <sup>11</sup>	7.42	ND	---

<sup>1</sup> TOP-OF-CASING.

<sup>2</sup> RELATIVE TO SITE DATUM ESTABLISHED BY ESE.

<sup>3</sup> ELEVATION CORRECTED FOR FLOATING PRODUCT USING 0.75 DENSITY FOR GASOLINE.

<sup>4</sup> MEAN SEA LEVEL

<sup>5</sup> WATER LEVEL MEASUREMENTS BY ESE.

<sup>6</sup> WATER LEVEL MEASUREMENTS BY NKJ.

<sup>7</sup> TOC SURVEYED 8/10/93 BY PROFESSIONAL ENGINEER.

<sup>8</sup> CORRECTED GROUNDWATER ELEVATION BY TANK PROTECT ENGINEERING.

<sup>9</sup> NOT AVAILABLE.

<sup>10</sup> NOT DETECTED.

<sup>11</sup> WELL TOP DESTROYED DURING REMEDIATION

APPENDIX A

- A. ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY, LETTER  
DATED AUGUST 4, 1994
- . ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY, LETTER  
DATED SEPTEMBER 7, 1994
- . ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY, LETTER  
DATED JANUARY 25, 1995
- . ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY, LETTER  
DATED MAY 17, 1995
- . TPE LETTER TO THE OAKLAND FIRE PREVENTION BUREAU DATED  
JUNE 15, 1995
- . ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY, LETTER  
DATED OCTOBER 26, 1995
- . ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY, LETTER  
DATED OCTOBER 3, 1996

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR  
DEPARTMENT OF ENVIRONMENTAL HEALTH

August 4, 1994  
StID # 2116

Mr. Stanley Wong  
2200 E. 12th St.  
Oakland CA 94606

Alameda County  
Health Care Services Agency  
Dept. Of Environmental Health  
1131 Harbor Bay Pkwy 2nd Flr.  
Alameda Ca 94502-6577

**NOTICE OF VIOLATION**

**Re: Request for Work Plan Addendum for the Further Investigation  
and Remediation of 2345 E. 14th St., former Taxi Taxi**

Dear Mr. Wong:

Our office has received and reviewed the July 29, 1994 report prepared by Tank Protect Engineering (TPE). This report indicates that significant groundwater contamination still exists on this site and potentially offsite. Remediation of this contamination must be initiated immediately. Certainly, the free fuel product being found in monitoring wells MW-1 and MW-2 must be removed on a regular basis as required by Section 2655 of Article 5, Chapter 16 of the Underground Storage Tank Regulations. Please describe what will be done to satisfy this requirement.

Recall, the November 4, 1993 Preliminary Site Assessment (PSA) for this site prepared by TPE recommended the following future actions:

- a. Limited overexcavation of contaminated soils and possible removal of contaminated water from the excavation pit;
- b. Installation of three additional monitoring wells and
- c. Institute quarterly groundwater monitoring.

Our office agreed with this approach and requested that a specific work plan be submitted to perform this work by **March 21, 1994**. Although quarterly monitoring has been initiated, our office has not received the specific work plan. Please submit the requested report to our office **within 30 days or by August 8, 1994**. This report should also include a time schedule for implementation.

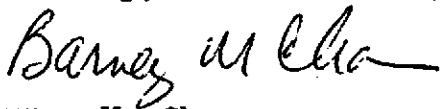
You are reminded that this letter constitutes a formal request for technical reports pursuant to the California Water Code Section 13267 (b). Failure to submit and complete the work plan may subject you to civil liability.

Please be aware that our offices have recently moved to:  
1131 Harbor Bay Parkway, Room 250, Alameda CA 94502.

Mr. Stanley Wong  
StID # 2116  
2345 E. 14th St.  
August 4, 1994  
Page 2.

You may reach me at (510) 567-6700 if you have any questions.

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office  
J. Mrakovich, Tank Protect Engineering, 2821 Whipple Rd.,  
Union City, CA 94587-1233  
E. Howell, files

NOV2345



ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

September 7, 1994  
StID # 2116

Mr. Stanley Wong  
2200 E. 12th St.  
Oakland CA 94606

DEPARTMENT OF ENVIRONMENTAL HEALTH  
State Water Resources Control Board  
Division of Clean Water Programs  
UST Local Oversight Program  
80 Swan Way, Rm 200  
Oakland, CA 94621  
(510) 271-4530

**Re: Comment on August 26, 1994 Work Plan for the Excavation of  
Soil and Installation of Monitoring Wells at 2345 E. 14th  
St., Oakland CA 94601.**

Dear Mr. Wong:

Our office has received and reviewed the above referenced work plan as prepared by your consultant, Tank Protect Engineering (TPE). Recall, this work plan calls for the excavation of soils around the former underground tank pit, the extraction of groundwater from the pit and the installation of three additional monitoring wells. After discussion with Mr. John Mrakovich of TPE, it was agreed that you should initiate the overexcavation and groundwater extraction as soon as possible. Please contact our office at least **48 working hours** prior to your field work so we may be present to witness any confirmatory soil sampling.

It was noted that groundwater extraction should be done if there is any evidence of petroleum contamination. The high concentration of gasoline and BTEX detected in monitoring well TMW-5 indicates the likelihood of encountering contaminated groundwater during the excavation. Bioremediation of groundwater within the pit and within the existing wells was also discussed. Our office will confer with the RWQCB to see if any permitting requirements exist. We will inform your consultant with our findings.

In regards to the location of the additional monitoring wells, it was agreed that it would be best to see what affect the soil excavation and groundwater extraction has on the existing wells prior to committing to the additional well locations. With this in mind, the installation of the additional wells will be put on hold. You may contact me at (510) 567-6765 should you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Barney M. Chan".

Barney M. Chan  
Hazardous Materials Specialist

cc: J. Mrakovich, TPE, 2821 Whipple Rd., Union City CA 94587-1233  
E. Howell, files wpap2345

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH  
ALAMEDA COUNTY CC4580  
DEPT. OF ENVIRONMENTAL HEALTH  
ENVIRONMENTAL PROTECTION DIV.  
1131 HARBOR BAY PKWY., #250  
ALAMEDA CA 94502-6577

January 25, 1995  
StID # 2116

Mr. Stanley Wong  
2200 E. 12th St.  
Oakland CA 94606

**Re: Review of Work Plan for Stockpiled Soil Remediation at  
2345 E. 14th St., Oakland CA 94601, Credit World Auto Sales**

Dear Mr. Wong:

Our office has received and reviewed the January 24, 1995 report prepared by Tank Protect Engineering. Recall this report details the history of the above site, gives the results of recent confirmatory soil samples after overexcavation and proposes to chemically treat for reuse the excavated stockpiled soils.

I have discussed the work plan with Mr. John Mrakovich of TPE and it is acceptable. Work may proceed as soon as possible. Please contact me at least 48 hours prior to initial soil sampling so I may arrange to be present to witness this work, if possible.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Barney M. Chan".

Barney M. Chan  
Hazardous Materials Specialist

cc: J. Mrakovich, Tank Protect Engineering, 2821 Whipple Rd.,  
Union City, CA 94587

E. Howell, file  
wpsp2345

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH  
State Water Resources Control Board  
Division of Clean Water Programs  
UST Local Oversight Program  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6577  
(510) 567-6700

May 17, 1995  
StID # 2116

Mr. Stanley Wong  
2200 E. 12th St.  
Oakland CA 94606

**Re: Status of Subsurface Investigation at 2345 E. 14th St.,  
Oakland CA 94601, Former Taxi Taxi**

Dear Mr. Wong:

Thank you for the submission of the May 3, 1995 quarterly monitoring report for the above site. Currently, the excavated soil from the site has been treated and sampled. Upon verifying successful treatment, this soil is proposed for reuse.

The continuing detection of both floating petroleum product and high dissolved levels of gasoline in monitoring wells at this site will require immediate action. The California Underground Tank Regulations, Title 23, Division 3, Chapter 16, Section 2655 requires the removal of free product to limit the spread of such contamination into previously uncontaminated zones. Because of this, you should inform our office what steps are being done to remove free product on a regular basis. You should also update your quarterly monitoring reports with the total cumulative volume or pounds of free product which have been removed from this site.

Based on the groundwater contamination being detected, additional groundwater investigation must be performed to determine the extent of such contamination. Either temporary or permanent subsurface investigation may be performed, however, the installation of permanent monitoring wells will be required to verify the limits of the hydrocarbon plume.

It is agreed that one would expect decreasing levels of contamination in groundwater due to the excavation of the contaminated soils, but the immediate removal of free product is a priority.

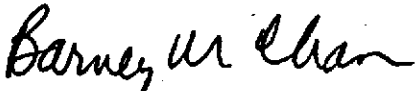
You should also investigate the types of remedial actions available for this site. This is done in the form of a feasibility study which examines at least two alternatives to restore or protect the beneficial uses of the groundwater beneath this site. The alternative should also propose cleanup levels for soil and groundwater.

Mr. Stanley Wong  
StID # 2116  
2345 E. 14th St.  
May 17, 1995  
Page 2.

Your immediate comment regarding the removal of free product is requested within 30 days or by June 19, 1995. A work plan for additional groundwater investigation should be submitted with your next groundwater monitoring report ie June 1995. Based on the levels of groundwater contamination being found at that time, a feasibility study should be submitted. Please have your consultant mention their remedial alternatives in your next groundwater monitoring report.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

cc: J. Mrakovich, TPE, 2821 Whipple Rd., Union City, CA  
94587-1233

B. Reynolds, files

add2345



June 15, 1995

Mr. Jerry E. Blueford, Fire Marshall  
Fire Prevention Bureau  
421 14th Street, First Floor  
Oakland, CA 94612

RE: Operation of a product removal system at 2345 E. 14th Street, Oakland, CA  
94601

Dear Mr. Blueford:

This letter gives a description of a product (gasoline) removal system that Tank Protect Engineering of Northern California, Inc. (TPE) wishes to install and operate at the subject site. The system will pump gasoline from groundwater monitoring wells into two 55-gallon drums located outside and adjacent to an onsite building (see attached Site Plan). With the exception of an electric air compressor, the system is operated by compressed air making it explosion proof.

The drums have dual sensors (backup) that detect when they are near full to shut the system off. The system must be restarted manually. Vapors from the drums will be vented back into the wells to minimize potential hazardous accumulations. The drums will be double contained by placing them on top of 6-mil plastic sheeting that will be bermed to contain their contents if overfilling or leaking occurs.

When the 55-gallon drums are full, the gasoline will be removed by a vacuum truck and transported under manifest to a recycling facility. No more than 2 full drums will be on site at any time.

The following discusses the technical aspects of the system, its method of operation, and TPE's operation and maintenance procedure (see attached Schematic).

Mr. Jerry E. Blueford, Fire Marshall  
Fire Prevention Bureau

### Product Removal System

TPE will obtain a product only recovery system that consists of a selective oil skimmer and a controllerless, down-well mounted, air-operated, resilient bladder product pump and two product storage tanks (55-gallon drums) that shut off automatically when near full. The system removes free-floating product down to a sheen ( $< 0.01$  inch).

### Method of Operation

A selective oil skimmer is placed in the well. The skimmer has a floating intake head that follows the fluctuating water table and automatically adjusts to any groundwater fluctuation within its travel range (about 3 feet). Hydrocarbons enter the skimmer and pass through an intake having an outer debris screen. The hydrocarbons then pass through an inner oleophilic hydrophobic screen, through a flexible tube, and into the bladder pump. The oleophilic hydrophobic screen allows liquid hydrocarbons to pass and repels water.

Compressed air collapses the bladder and pushes the hydrocarbons up a product hose and into a surface mounted holding tank (55-gallon drum). Intake and discharge check valves prevent back flow of fluids. This process repeats itself automatically at a rate determined by settings on a pressure relief screw.

The holding tank has two product sensors (a bubbler sensor and a float sensor) that shut the system off when the tank is nearing full. When product reaches a high level in the holding tank, one of the two tank-full shut-off's level sensors automatically turns off the entire system until manually reset. The holding tank also has a fume return line that directs fumes back into the well to avoid potential hazardous accumulations.

All hoses used in the system are industrial grade. The product hose is urethane covered, braided-steel reinforced, nylon-cored hose having 18,000 pounds per square inch burst pressure with swaged-on connectors and double shut-off quick connects. The product hose provides static ground running its entire length through the steel-braided reinforcement and the brass (non-sparking) double shut-off quick connects.

Mr. Jerry E. Blueford, Fire Marshall  
Fire Prevention Bureau

The above system can pump up to 100 gallons per day. TPE anticipates that only a few gallons per day will be pumped at the subject site.

Operation and Maintenance

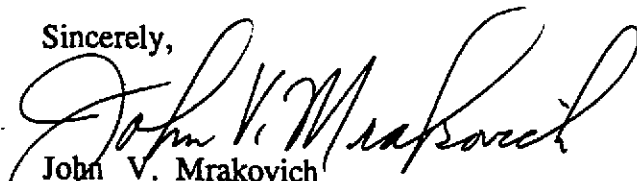
TPE personnel will install and operate the product recovery system.

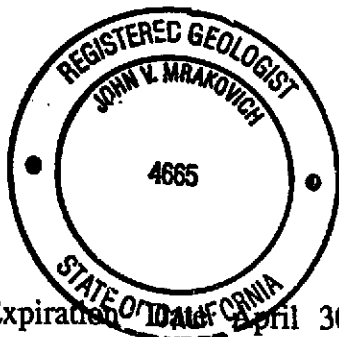
TPE will install the skimmer system, bladder pump, and two product holding tanks (55-gallon drums). The holding tanks will be installed outside the northwest-end of the onsite building (see attached Figure). The site's perimeter chain-link fencing, onsite guard dog, and onsite security guard will provide protection for the public and security for the system against vandalism.

TPE will start up and operate the system to ensure proper operation of all components. When the storage tanks are full, the tanks will be emptied by vacuum truck and the product will be manifested and hauled off site to a permitted recycling facility.

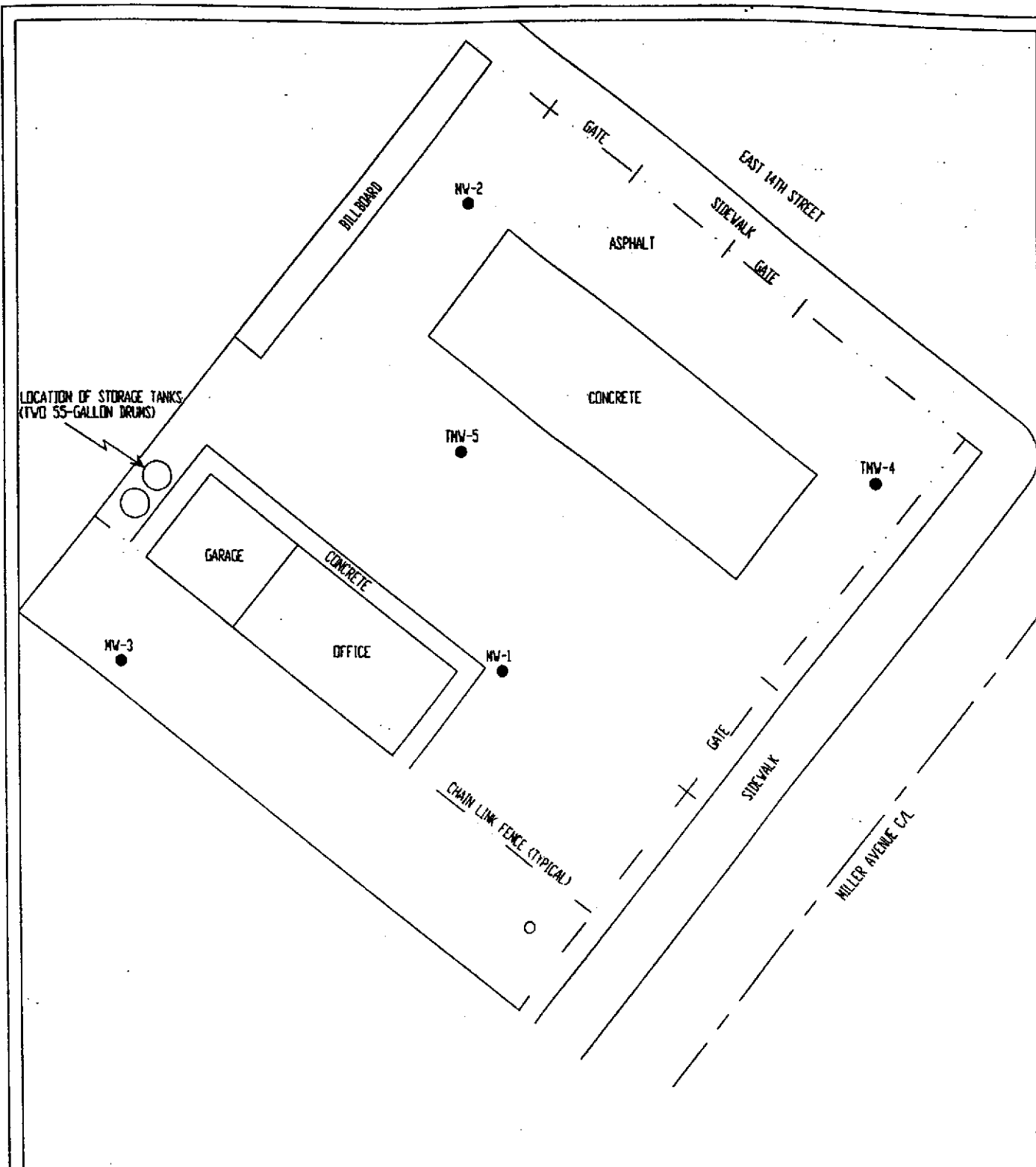
If you have any questions, please call me at (510) 429-8088.

Sincerely,

  
John V. Mrakovich  
Senior Registered Geologist



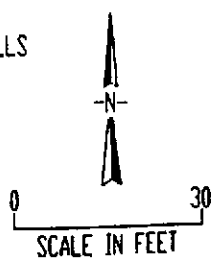
Expiration Date April 30, 1996



LOCATION OF STORAGE TANKS  
(TWO 55-GALLON DRUMS)

LEGEND

MW-1 NAME AND LOCATION OF MONITORING WELLS



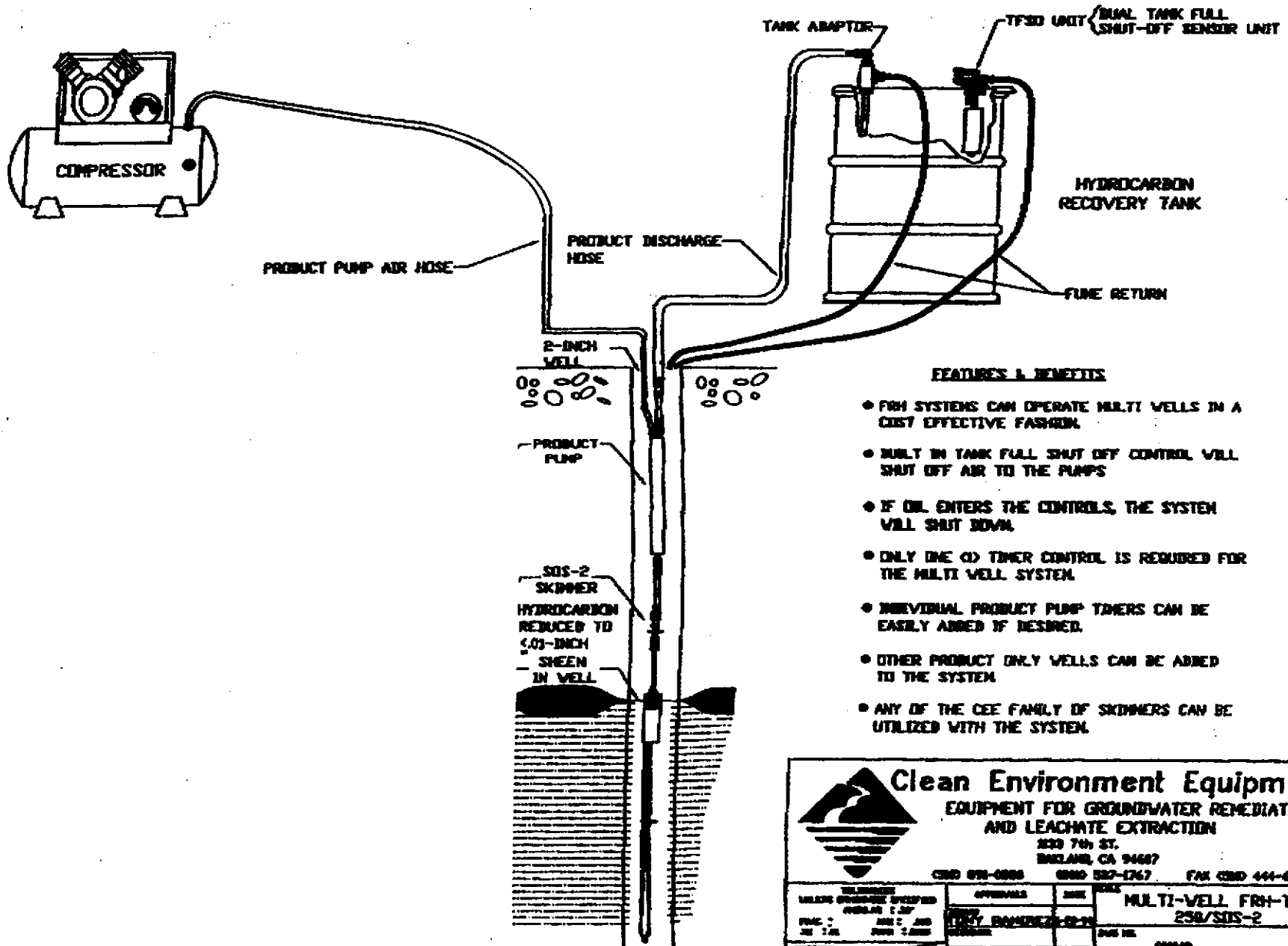
TANK PROTECT ENGINEERING

SITE PLAN

CREDIT WORLD AUTO SALES  
2345 E. 14TH STREET  
OAKLAND, CA 94601

DATE	6/15/95
FIGURE	1
FILE #	267-N
DRAWN BY	MT
CHECKED BY	JVN





**FEATURES & BENEFITS**

- FRH SYSTEMS CAN OPERATE MULTI WELLS IN A COST EFFECTIVE FASHION.
- BUILT IN TANK FULL SHUT OFF CONTROL WILL SHUT OFF AIR TO THE PUMPS
- IF OIL ENTERS THE CONTROLS, THE SYSTEM WILL SHUT DOWN.
- ONLY ONE (1) TIMER CONTROL IS REQUIRED FOR THE MULTI WELL SYSTEM.
- INDIVIDUAL PRODUCT PUMP TIMERS CAN BE EASILY ADDED IF DESIRED.
- OTHER PRODUCT ONLY WELLS CAN BE ADDED TO THE SYSTEM.
- ANY OF THE CEE FAMILY OF SKINNERS CAN BE UTILIZED WITH THE SYSTEM.



**Clean Environment Equipment**

EQUIPMENT FOR GROUNDWATER REMEDIATION AND LEACHATE EXTRACTION

200 7th ST.  
BAYLAND, CA 94607

PHONE 925-8888 925-8267 FAX 925-444-6789

MODEL NO. MULTI-WELL FRH-TFSD/250/SOS-2 SERIAL NO. 00000 DATE		QUANTITY 1	
PURCHASER'S NAME ADDRESS CITY STATE ZIP	ORDER NO. DATE ORDERED QUANTITY ORDERED	QUANTITY SHIPPED DATE SHIPPED QUANTITY RETURNED	PRICE TOTAL PRICE TAX NET PRICE



TANK PROTECT ENGINEERING  
of Northern California, Inc.

June 14, 1995

Mr. Barney M. Chan  
Hazardous Materials Specialist  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6577

RE: Status of Subsurface Investigation at 2345 E. 14th Street, Oakland, CA 94601

Dear Mr. Chan:

In a May 17, 1995 letter to Mr. Stanley Wong, you requested that free product be removed on a regular basis from groundwater monitoring wells at the subject property. Mr. Wong has authorized Tank Protect Engineering of Northern California, Inc. (TPE) to remove the free product pursuant to your request. This letter documents the procedure that TPE will implement to remove the free product on a regular basis.

Product Removal System

TPE will obtain a product only explosion proof recovery system that consists of a selective oil skimmer and a controllerless, down-well mounted, air-operated, resilient bladder product pump and a product storage tank that shuts off automatically when the product tank is full. The system removes free-floating product down to a sheen (< 0.01 inch).

Mr. Barney M. Chan  
Alameda County Health Care Services Agency

Method of Operation

A selective oil skimmer is placed in the well. The skimmer has a floating intake head that follows the fluctuating water table and automatically adjusts to any groundwater fluctuation within its travel range (about 3 feet). Hydrocarbons enter the skimmer and pass through an intake having an outer debris screen. The hydrocarbons then pass through an inner oleophilic hydrophobic screen, through a flexible tube, and into the bladder pump. The oleophilic hydrophobic screen allows liquid hydrocarbons to pass and repels water.

Compressed air collapses the bladder and pushes the hydrocarbons up a product hose and into a surface mounted holding tank (55-gallon drum). Intake and discharge check valves prevent back flow of fluids. This process repeats itself automatically at a rate determined by settings on a pressure relief screw.

Compressed air will be supplied to the bladder pump by an electric 1 horsepower compressor providing 3.5 cubic feet of air per minute.

The holding tank has two product sensors (a bubbler sensor and a float sensor) that shut the system off when the tank is nearing full. When product reaches a high level in the holding tank, one of the two tank-full shut-off's level sensors automatically turns off the entire system until manually reset. The second product sensor is a backup to the first to provide overflow protection if the first sensor fails. The holding tank will be double-contained by placing the tank on top of plastic sheeting that is bermed to contain any product that may overflow in the event that both overflow sensors fail. The holding tank will be sealed with a lid and have a fume return line that directs fumes back into the well to avoid potential hazardous accumulations.

All hoses used in the system are industrial grade. The product hose is urethane covered, braided-steel reinforced, nylon-cored hose having 18,000 pounds per square inch burst pressure with swaged-on connectors and double shut-off quick connects. The

Mr. Barney M. Chan  
Alameda County Health Care Services Agency

product hose provides static ground running its entire length through the steel-braided reinforcement and the brass (non-sparking) double shut-off quick connects.

The above system can pump up to 100 gallons per day.

#### Operation and Maintenance

TPE personnel will install and operate the product recovery system. A permit to operate the system will be required by the City of Oakland Fire Department (COFD).

On the approval of the COFD, TPE will install the skimmer system, bladder pump, and two product holding tanks. TPE proposes to install the holding tanks outside the northwest-end of the onsite building. The site's perimeter chain-link fencing, onsite guard dog, and onsite security guard will provide protection for the public and security for the system against vandalism.

TPE will start up and operate the system to ensure proper operation of all components. When the storage tanks are full, the tanks will be emptied by vacuum truck and the product will be manifested and hauled off site to a permitted recycling facility. TPE will maintain a record of all manifests and the volume of product pumped from the wells and hauled off site; this information will be documented and reported in quarterly groundwater monitoring reports.

TPE personnel will visit the site as frequently as necessary to ensure that product removal is continuous from the wells. The skimmer and bladder pump will be moved from well to well until no further product is available for pumping. TPE anticipates that the column of product in each well will be removed quickly by pumping and will recharge slowly. When a column of product is found to have recharged into any well, the product removal system will be re-installed and the product pumped out.

Page 4 of 4

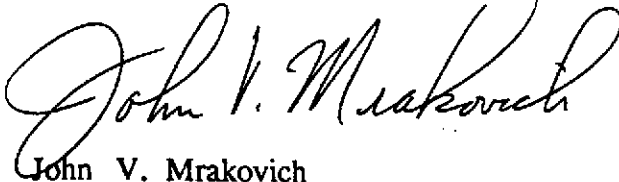
Mr. Barney M. Chan  
Alameda County Health Care Services Agency

Time Schedule

TPE anticipates to select a product removal system by June 16, 1995. An application will be made to the COFD to install and operate the system by June 23, 1995. When a permit is received from the COFD, TPE will order and immediately install and operate the system. Delivery of the system from that manufacturer is expected to take 3 to 6 weeks.

If you have any questions, please call me at (510) 429-8088.

Sincerely,



John V. Mrakovich  
Senior Registered Geologist



Expiration Date April 30, 1996

cc: Mr. Stanley Wong, 2200 E. 12th Street, Oakland, CA 94606

# CITY OF OAKLAND

## Permit to Excavate and Install, Repair, or Remove Inflammable Liquid Tanks. No. 9931

Oakland, California, June 19 19 95

PERMISSION IS HEREBY GRANTED TO ~~INSTALL~~ remove ~~EXISTING~~ <sup>OIL TANKS</sup> ~~EXISTING~~ tank and excavate commencing \_\_\_\_\_ feet inside property line

on the \_\_\_\_\_ side of \_\_\_\_\_ Street Avenue \_\_\_\_\_ feet \_\_\_\_\_ of \_\_\_\_\_ Street Avenue

House No. 2345 E. 14th St., Oakland 94601 Street Avenue Present Storage

Owner Stanley Wong Address 2200 E. 12th St., Oakland Phone 535-1672

Applicant Tank Protect Engineering of Northern CA Address 2821 Whipple Rd. Union City Phone 4298088  
94587

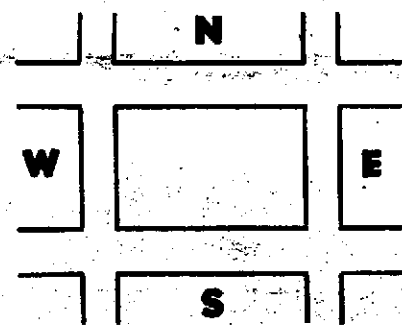
Dimensions of street (sidewalk) surface to be disturbed \_\_\_\_\_ X \_\_\_\_\_ Number of Tanks \_\_\_\_\_ Capacity \_\_\_\_\_ Gallons, each.

Remarks: \_\_\_\_\_

This Permit is granted in accordance with existing City Ordinances.  
Owner hereby agrees to remove tanks on discontinuance of use or when notified by the City Authorities.  
When installing, removing or repairing tanks, no open flame to be on or near premises.

Approved \_\_\_\_\_ Fire Marshal

Approved \_\_\_\_\_ Drainage Division Engineering Dept.



### EXCAVATING PERMIT

Issued in accordance with Ord. No. 278 CMS, Sec. 6-2.04

\_\_\_\_\_ square feet of digging or removal granted.

The receipt of \$ \_\_\_\_\_ special deposit is hereby acknowledged.

GENERAL DEPOSIT.

BUREAU OF PERMITS AND LICENSES.

Inspection Fee Paid \_\_\_\_\_ \$ 100.00

Received by <sup>XX</sup> S. Smith ck. #4873 Receipt #725322

FIRE PREVENTION BUREAU

### CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Inspected and passed on \_\_\_\_\_ 19 \_\_\_\_\_

By \_\_\_\_\_ Fire Marshal

### NOTICE

Before Covering Tanks, Above Certificate Must Be Signed.

When ready for inspection notify Fire Prevention Bureau, 273-3851

**THIS PERMIT MUST BE LEFT ON THE WORK AS AUTHORITY THEREFOR.**



CITY OF OAKLAND



421 FOURTEENTH STREET • OAKLAND, CALIFORNIA 94612

Fire Prevention Bureau

(510) 238-3851  
TDD 839-6451

FAX TRANSMITTAL SHEET

*Fire Prevention Bureau*

421 - 14TH Street  
Oakland, CA 94612

Telephone: (510) 238-3851  
Fax: (510) 238-6739

TO: John DATE: 6/21/95

COMPANY: Tank Protect Engineering FAX: 429-8089

FROM: Fire Prevention Bureau PHONE: \_\_\_\_\_

PAGES: 2

- No enclosures - message only
- For your information & file
- Please review and comment
- In accordance with your request
- Please handle
- Advise of status
- URGENT ! ! !
- For your signature

Comments

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Copy for FIRE MARSHAL

Excavation Permit Granted \_\_\_\_\_ No. \_\_\_\_\_

# CITY OF OAKLAND

Tank Permit No. \_\_\_\_\_

## Permit to Excavate and Install, Repair, or Remove Inflammable Liquid Tanks.

Oakland, California, \_\_\_\_\_ 19\_\_\_\_

PERMISSION IS HEREBY GRANTED TO ~~install~~ remove ~~install~~ Gas ~~liquid~~ tank and excavate commencing \_\_\_\_\_ feet inside \_\_\_\_\_ line

on the \_\_\_\_\_ side of \_\_\_\_\_ Street Avenue \_\_\_\_\_ feet \_\_\_\_\_ of \_\_\_\_\_ Street Avenue

House No. 2345 E. 14th St., Oakland 94611 Street Avenue \_\_\_\_\_ Present Storage \_\_\_\_\_

Owner Stanley Wong Address 2200 E. 12th St., Oakland Phone 531-1677

Applicant Tank Service Engineering of Northern CA Address 2511 Whipple Rd., Union City Phone 429-8088

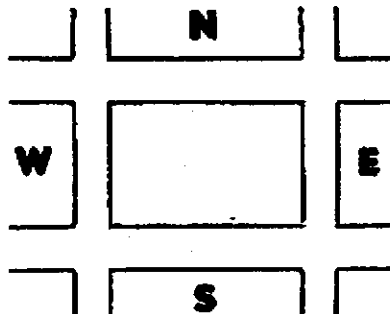
Dimensions of street (sidewalk) surface to be disturbed X Number of Tanks \_\_\_\_\_ Capacity \_\_\_\_\_ Gallons, each.

Remarks: \_\_\_\_\_

This Permit is granted in accordance with existing City Ordinances.  
Owner hereby agrees to remove tanks on discontinuance of use or when notified by the City Authorities.  
When installing, removing or repairing tanks, no open flame to be on or near premises.

Approved \_\_\_\_\_  
Fire Marshal

Approved \_\_\_\_\_  
Drainage Division Engineering Dept.



### EXCAVATING PERMIT

Issued in accordance with Ord. No. 278 CMS, Sec. 6-2.04

\_\_\_\_\_ square feet of digging or removal granted.

The receipt of \$ \_\_\_\_\_ special deposit is hereby acknowledged.

GENERAL DEPOSIT.

BUREAU OF PERMITS AND LICENSES.

Inspection Fee Paid \_\_\_\_\_ \$ \_\_\_\_\_

Received by \_\_\_\_\_

FIRE PREVENTION BUREAU

**THIS PERMIT MUST BE LEFT ON THE WORK AS AUTHORITY THEREFOR.**

### CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Inspected and passed on \_\_\_\_\_ 19\_\_\_\_

By \_\_\_\_\_  
Fire Marshal

### NOTICE

Before Covering Tanks, Above Certificate Must Be Signed.

When ready for inspection notify Fire Prevention Bureau, 273-3851

201  
6800624015 01  
06-21-95 01:54 PM





**City of Oakland  
CASH RECEIPT**

Cash Receipt **No. 725322**

Cash Receipt Voucher # **CR**

Cash   
Check  487

Payment Received from: Tank Protect Engineering of Northern Calif., Inc.

**DIRECT CASH CREDITS**

Item	Remarks	Fund/SF	Organization	Account	Proj/Grant/ Cost Ctr./NO	Yr	Loc	Task	Dept Specific	Fixed Asset No	Trans ID	Revenue Source	Amount
1	Oil Removal	0100	20310	42412		5							\$100.00
2													
3													
4													
5													
<b>SUBTOTAL</b>												\$100.00	

Auxillary Receipt Reference # 2821 Whipple Rd Union City 94587

Explanation: \_\_\_\_\_

**ACCOUNTS RECEIVABLES**

Item	Description	Customer Number	Invoice Number	Amount
1				\$100.00
2				
3				
4				
5				
<b>SUBTOTAL</b>				\$100.00
<b>TOTAL</b>				\$100.00

<u>Fire Prevention Bureau</u> Department Collecting the Cash  <u>S. Smith</u> Received by	Received by: _____	Entered by: _____
	Treasury Section	
	RRCC or Grant Fiscal Affairs	

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH  
State Water Resources Control Board  
Division of Clean Water Programs  
UST Local Oversight Program  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6577  
(510) 567-6700

October 26, 1995  
StID # 2116

Mr. Stanley Wong  
2200 E. 12th St.  
Oakland, CA 94606

Re: Comment on August 4, 1995 Work Plan for Soil and Groundwater  
Investigation at 2345 E. 14th St., Oakland CA 94601

Dear Mr. Wong:

Our office has received and reviewed the above report as prepared by your consultant, Tank Protect Engineering. This work plan calls for the advancement of nine borings to groundwater and the sampling of both selected soil and grab groundwater samples in an attempt to verify the horizontal limits of the gasoline contamination from the former underground storage tanks. This work plan is accepted and field work may commence as soon as possible. Please note that borings SB-6 and SB-1 may not be necessary if the borings closer to the site indicate that the petroleum plume has been defined.

Based on the results of these borings you should prepare a work plan for the installation of additional well(s) to define the limits of the petroleum plume.

Please contact me at least 48 hours prior to your field activities. I may be reached at (510) 567-6765.

Sincerely,

A handwritten signature in cursive script, appearing to read "Barney M. Chan".

Barney M. Chan  
Hazardous Materials Specialist

cc: L. Huckins, Tank Protect Engineering, 2821 Whipple Rd.,  
Union City, CA 94587-1233

G. Coleman, files  
wp2345

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

October 3, 1996  
StID # 2116

Mr. Stanley Wong  
2200 E. 12th St.  
Oakland CA 94606

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

**Re: Status of Subsurface Investigation at 2345 E. 14th St.,  
Oakland CA 94601, Former Taxi Taxi**

Dear Mr. Wong:

This letter serves to recount a recent conversation with Mr. Lee Huckins of Tank Protect Engineering (TPE). Among the items discussed was the continued offsite investigation at the above site. The overexcavation activities has delayed the offsite investigation proposed in TPE's August 4, 1995 workplan. I would like to inform you of the significant items of our conversation as well approve and request implementation of the offsite investigation.

At this time, no further soil excavation is requested. I am aware that soil contamination may still exist in the northern portion of the property, however, offsite investigation should be performed prior to any additional soil excavation.

Monitoring well TMW-5 was being considered for closure since it had been damaged during the excavation activities. It was decided that this well should remain since it is nearest the source of the release and could be used in future remediation.

Your consultant was requested to investigate the various options for free product removal and implement an appropriate one. Several of the monitoring wells have consistently detected free product, therefore, a removal system must be implemented as soon as possible.

In regards to the previously proposed offsite investigation, the proposal to install up to nine offsite borings is accepted by our office. Please be aware that since the August 1995 proposal date, additional boring techniques are commonly in use. Therefore, you are encouraged to use any of the rapid site assessment techniques ie Geoprobe, Hydropunch etc. In addition, you should begin your offsite investigation radially outward from the former tank pit area. The extreme borings on E. 14th St. and Miller Ave. should be done only if necessary. Based on the boring locations, permits will be required to gain drilling access. Please initiate the permit procedures as soon as possible. You should also be aware that offsite monitoring wells

Mr. Stanley Wong  
StID # 2116  
2345 E. 14th St.  
October 3, 1996  
Page 2.

will be required to determine the extent of the groundwater plume. You may want to consider installing permanent wells immediately after the initial investigation so this could be done under the same permit.

Please include a status of the above items in your future quarterly monitoring reports.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

c: Mr. L. Huckins, TPE, 2821 Whipple Rd., Union City, CA 94587  
B. Chan, files

ssi2345

APPENDIX B

SAMPLE HANDLING PROCEDURES

## APPENDIX B

### SAMPLE HANDLING PROCEDURES

Soil and groundwater samples will be packaged carefully to avoid breakage or contamination and will be delivered to the laboratory in an iced-cooler. The following sample packaging requirements will be followed.

- . Sample bottle/sleeve lids will not be mixed. All sample lids will stay with the original containers and have custody seals affixed to them.
- . Samples will be secured in coolers to maintain custody, control temperature and prevent breakage during transportation to the laboratory.
- . A chain-of-custody form will be completed for all samples and accompany the sample cooler to the laboratory.
- . Ice, blue ice or dry ice (dry ice will be used for preserving soil samples collected for the Alameda County Water District) will be used to cool samples during transport to the laboratory.
- . Water samples will be cooled with crushed ice. In the Alameda County Water District, water samples will be buried in the crushed ice with a thermometer, and the laboratory will be requested to record thermometer temperature at the time of receipt.
- . Each sample will be identified by affixing a pressure sensitive, gummed label or standardized tag on the container(s). This label will contain the site identification, sample identification number, date and time of sample collection and the collector's initials.
- . Soil samples collected in brass tubes will be preserved by covering the ends with Teflon tape and capping with plastic end-caps. The tubes will

be labeled, sealed in quart size bags and placed in an iced-cooler for transport to the laboratory.

All groundwater sample containers will be precleaned and will be obtained from a State Department of Health Services certified analytical laboratory.

Sample Control/Chain-of-Custody: All field personnel will refer to this workplan to verify the methods to be employed during sample collection. All sample gathering activities will be recorded in the site file; all sample transfers will be documented in the chain-of-custody; samples will be identified with labels; all sample bottles will be custody-sealed. All information is to be recorded in waterproof ink. All TPE field personnel are personally responsible for sample collection and the care and custody of collected samples until the samples are transferred or properly dispatched.

The custody record will be completed by the field technician or professional who has been designated by the TPE project manager as being responsible for sample shipment to the appropriate laboratory. The custody record will include, among other things, the following information: site identification, name of person collecting the samples, date and time samples were collected, type of sampling conducted (composite/grab), location of sampling station, number and type of containers used and signature of the TPE person relinquishing samples to a non-TPE person with the date and time of transfer noted. The relinquishing individual will also put all the specific shipping data on the custody record.

Records will be maintained by a designated TPE field employee for each sample: site identification, sampling location, station number, date, time, sampler's name, designation of the sample as a grab or composite, notation of the type of sample (e.g., groundwater, soil boring, etc.), preservatives used, onsite measurement data and other observations or remarks.

**APPENDIX C**

**WASTE HANDLING AND DECONTAMINATION PROCEDURES**



## APPENDIX C

### WASTE HANDLING AND DECONTAMINATION PROCEDURES

Decontamination: Any drilling, sampling or field measurement equipment that comes into contact with soil or groundwater will be properly decontaminated prior to its use at the site and after each incident of contact with the soil or groundwater being investigated. Proper decontamination is essential to obtain samples that are representative of environmental conditions and to accurately characterize the extent of soil and groundwater contamination. Hollow-stem auger flights and the drill bit will be steam-cleaned between the drilling of each well.

All sample equipment, including the split-spoon sampler and brass tubes, will be cleaned by washing with trisodium phosphate oralconox detergent, followed by rinsing with tap water. Where required by specific regulatory guidelines, a nonphosphate detergent will be used.

Waste Handling: Waste materials generated during site characterization activities will be handled and stored as hazardous waste and will be stored on site in appropriately labeled containers. Waste materials anticipated include excavated soil, drill cuttings, development and purge water, water generated during aquifer testing, water generated during decontamination and used personnel protection equipment such as gloves and Tyvek. The site owner will be responsible for providing the storage containers and will be responsible for the disposal of the waste materials. Drill cuttings from individual borings will be stored separately in drums or covered by plastic sheeting, and the appropriate disposal procedure will be determined by the site owner or TPE following receipt of the soil sample analytical results. Drums will be labeled to show material stored, known or suggested contaminant, date stored, expected removal date, company name, contact and telephone number.

APPENDIX D

QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES

## APPENDIX D

### QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES

The overall objectives of the field sampling program include generation of reliable data that will support development of a remedial action plan. Sample quality will be checked by the use of proper sampling, handling and testing methods. Additional sample quality control methods may include the use of background samples, equipment rinsate samples and trip and field blanks. Chain-of-custody forms, use of a qualified laboratory, acceptable detection limits and proper sample preservation and holding times also provide assurance of accurate analytical data.

TPE will follow a quality assurance and quality control (QA/QC) program in the field to ensure that all samples collected and field measurements taken are representative of actual field and environmental conditions and that data obtained are accurate and reproducible. These activities and laboratory QA/QC procedures are described below.

Field Samples: Additional samples may be taken in the field to evaluate both sampling and analytical methods. Three basic categories of QA/QC samples that may be collected are trip blanks, field blanks and duplicate samples.

Trip blanks are a check for cross-contamination during sample collection, shipment, and laboratory analysis. They are water samples that remain with the collected samples during transportation and are analyzed along with the field samples to check for residual contamination. Analytically confirmed organic-free water will be used for organic parameters and deionized water for metal parameters. Blanks will be prepared by the laboratory supplying the sample containers. The blanks will be numbered, packaged and sealed in the same manner as the other samples. One trip blank will be used for each sample set of less than 20 samples. At least 5% blanks will be used for sets greater than 20 samples. The trip blank is not to be opened by either the sample collectors or the handlers.

The field blank is a water sample that is taken into the field and is opened and exposed at the sampling point to detect contamination from air exposure. The water

sample is poured into appropriate containers to simulate actual sampling conditions. Contamination due to air exposure can vary considerably from site to site.

The laboratory will not be informed about the presence of trip and field blanks, and false identifying numbers will be put on the labels. Full documentation of these collection and decoy procedures will be made in the site log book.

Duplicate samples are identical sample pairs (collected in the same place and at the same time), placed in identical containers. For soils, adjacent sample liners will be analyzed. For the purpose of data reporting, one is arbitrarily designated the sample, and the other is designated as a duplicate sample. Both sets of results are reported to give an indication of the precision of sampling and analytical methods.

The laboratory's precision will be assessed without the laboratory's knowledge by labeling one of the duplicates with false identifying information. Data quality will be evaluated on the basis of the duplicate results.

Laboratory QA/QC: Execution of a strict QA/QC program is an essential ingredient in high-quality analytical results. By using accredited laboratory techniques and analytical procedures, estimates of the experimental values can be very close to the actual value of the environmental sample. The experimental value is monitored for its precision and accuracy by performing QC tests designed to measure the amount of random and systematic errors and to signal when correction of these errors is needed.

The QA/QC program describes methods for performing QC tests. These methods involve analyzing method blanks, calibration standards, check standards (both independent and the United States Environmental Protection Agency-certified standards), duplicates, replicates and sample spikes. Internal QC also requires adherence to written methods, procedural documentation and the observance of good laboratory practices.

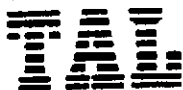
APPENDIX E

CERTIFIED ANALYTICAL REPORTS AND  
CHAIN-OF-CUSTODY DOCUMENTATION

**Trace Analysis Laboratory, Inc.**

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960  
Facsimile (510) 783-1512



LOG NUMBER: 4993  
DATE SAMPLED: 12/06/94  
DATE RECEIVED: 12/07/94  
DATE EXTRACTED: 12/07/94  
DATE ANALYZED: 12/08/94  
DATE REPORTED: 12/12/94

CUSTOMER: Tank Protect Engineering  
REQUESTER: Jeff Farhoomand  
PROJECT: No. 267-120694, Credit World Auto Sales, 2345 East 14th Street

Sample Type: Soil

Method and Constituent:	Units	VS-1		VS-2		VS-3	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/kg	1,300	500	51,000	3,700	210,000	7,400
Modified EPA Method 8020 for:							
Benzene	ug/kg	10	5.0	610	74	1,100	150
Toluene	ug/kg	61	5.0	100	74	300	150
Ethylbenzene	ug/kg	27	5.0	1,300	74	4,500	150
Xylenes	ug/kg	190	15	940	220	14,000	440

Method and Constituent:	Units	VS-4		VS-5		VS-6	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/kg	20,000	740	100,000	7,400	2,700	500
Modified EPA Method 8020 for:							
Benzene	ug/kg	1,200	15	440	150	46	5.0
Toluene	ug/kg	94	15	ND	150	ND	5.0
Ethylbenzene	ug/kg	470	15	2,200	150	ND	5.0
Xylenes	ug/kg	2,400	44	8,500	440	ND	15

Concentrations reported as ND were not detected at or above the reporting limit.

LOG NUMBER: 4993  
 DATE SAMPLED: 12/06/94  
 DATE RECEIVED: 12/07/94  
 DATE EXTRACTED: 12/07/94  
 DATE ANALYZED: 12/08/94  
 DATE REPORTED: 12/12/94  
 PAGE: Two

Sample Type: Soil

Method and Constituent:	Units	Composite of STK1-A,B,C, and D		Composite of STK2-A,B,C, and D		Composite of STK3-A,B,C, and D	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/kg	5,300	710	9,200	720	45,000	7,200
Modified EPA Method 8020 for:							
Benzene	ug/kg	ND	14	15	14	ND	140
Toluene	ug/kg	ND	14	ND	14	180	140
Ethylbenzene	ug/kg	23	14	84	14	710	140
Xylenes	ug/kg	120	43	300	43	4,400	430

Method and Constituent:	Units	Composite of STK4-A,B,C, and D		Composite of STK5-A,B,C, and D		Composite of STK6-A and STK6-B	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/kg	40,000	7,200	78,000	7,100	9,800	730
Modified EPA Method 8020 for:							
Benzene	ug/kg	380	140	200	140	52	15
Toluene	ug/kg	ND	140	780	140	ND	15
Ethylbenzene	ug/kg	750	140	1,200	140	46	15
Xylenes	ug/kg	2,500	430	8,100	420	240	44

Concentrations reported as ND were not detected at or above the reporting limit.

LOG NUMBER: 4993  
 DATE SAMPLED: 12/06/94  
 DATE RECEIVED: 12/07/94  
 DATE EXTRACTED: 12/07/94  
 DATE ANALYZED: 12/08/94  
 DATE REPORTED: 12/12/94  
 PAGE: Three


Sample Type: Soil

Method and Constituent:	Units	Method Blank	
		Concen- tration	Reporting Limit
DHS Method:			
Total Petroleum Hydro- carbons as Gasoline	ug/kg	ND	500
Modified EPA Method 8020 for:			
Benzene	ug/kg	ND	5.0
Toluene	ug/kg	ND	5.0
Ethylbenzene	ug/kg	ND	5.0
Xylenes	ug/kg	ND	15

QC Summary:

% Recovery: 96  
 % RPD: 4.6

Concentrations reported as ND were not detected at or above the reporting limit.

  
 Louis W. DuPuis  
 Quality Assurance/Quality Control Manager





TANK PROTECT ENGINEERING

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
 (415) 429-8088  
 (800) 523-8088  
 FAX (415) 429-8089

4993

LAB: TAL  
 TURNAROUND: 3 DAYS  
 P.O. #: 977

PAGE 1 OF 4

CHAIN OF CUSTODY

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS		
267110694		Credit World Auto Sales 2345 E 14th St					TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	VOC SEMI (624's)	OTHER				
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER																
Lee Huckins 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088																
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION											
VSP-1	12/6	1522	+		19.5	BRASS	X	X								
VSP-2	12/6	1526	+		14.5	BRASS	+	+								
VSP-3	12/4	1533	+		16.5	BRASS	+	+								
VSP-4	12/6	1540	-		14.5	BRASS	+	+								
VSP-5	12/6	1550	+		13.5	BRASS	+	+								
VSP-6	12/6	1555	-		4.0	BRASS	X	X								
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)						
Lee Huckins		12/7/99 9:00		Lee Miller		Lee Miller		12/7/99 3:05								
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)						
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks								
				Scott - Seaman		12/7/99 13:05										

plu, soil, Y-8, 1-BT each, 3-Day

DATE: 12/7/99



TANK PROTECT ENGINEERING

2821 WHIPPLE ROAD  
UNION CITY, CA 94587  
(415) 429-8088  
(800) 523-8088  
FAX (415) 429-8089

4993

LAB: Trace  
TURNAROUND: 3 days  
P.O. #: 977

PAGE 2 OF 4

CHAIN OF CUSTODY

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS
267 120694		Creditworld Auto Sales 2345 E. 14 <sup>th</sup> Street					TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	VOC SCAN (624's)	OTHER		
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER														
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION									
Lee Huckins 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088														
STK1-A	12/6	1015	+		2.5	Brass	x	x					Composite ind. sample	
STK1-B	12/6	1015	+		2.5	Brass	x	+						
STK1-C	12/6	1015	+		2.5	Brass	+	+						
STK1-D	12/6	1015	L		2.5	Brass	+	+						
STK2-A	12/6	1121	+		3.5	Brass	+	x					Composite ind. sample	
STK2-B	12/6	1052	L		3.5	Brass	+	+						
STK2-C	12/6	1118	+		3.5	Brass	+	+						
STK2-D	12/6	1115	L		3.5	Brass	+	+						
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
Lee Huckins		12/7/94 19:00		Lee Miller		Lee Miller		12/7/94 3:05						
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks						
				Scott J. Farrow		12/7/94 13:05								

DATE: 12/7/94



TANK PROTECT ENGINEERING

2821 WHIPPLE ROAD  
UNION CITY, CA 94587  
(415) 429-8088  
(800) 523-8088  
FAX (415) 429-8089

4993

LAB: Trace

TURNAROUND: 3 days

P.O. #: 977

PAGE 3 OF 4

CHAIN OF CUSTODY

PROJECT NO.		SITE NAME & ADDRESS					(1) TYPE OF CON- TAINER	ANALYTES REQUESTED	TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	PVC SCAN (624's)	OTHER	REMARKS
217 120694		Creditwork Auto Sales 2345 E 14th Street													
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER															
Lee Huckins 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088															
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION										
STK3-A	12/6	1047	L		35	BRASS	X	X						Composite into 1 sample	
STK3-B	12/6	1040	L		35	BRASS	X	X							
STK3-C	12/6	1105	L		35	BRASS	X	X							
STK3-D	12/6	1111	L		35	BRASS	X	X							
STK4-A	12/6	1030	L		35	BRASS	X	X						Composite into 1 sample	
STK4-B	12/6	1033	L		35	BRASS	X	X							
STK4-C	12/6	1055	L		35	BRASS	X	X							
STK4-D	12/6	1058	L		35	BRASS	X	X							
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)					
Lee Huckins		12/7/94 19:00		Lee Miller		Lee Miller		12/7/94 13:05							
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)					
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks							
				Scott Sumner		12/7/94 13:05 pm									

DATE: 12/7/94



TANK PROTECT ENGINEERING

2821 WHIPPLE ROAD  
UNION CITY, CA 94587  
(415) 429-8088  
(800) 523-8088  
FAX (415) 429-8089

4993

LAB: Trace Analysis Labs  
TURNAROUND: 3 days  
P.O. #: 977

PAGE 4 OF 4

CHAIN OF CUSTODY

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CON- TAINER	ANALYTES REQUESTED							REMARKS			
2127 120694		Creditwork Auto Sales 2345 E. 14th Street					TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC (BTEX)	OIL & GREASE	PCC SCAN (624's)	OTHER					
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER																	
Lee Huckins 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088																	
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION												
SKS-A	12/6	1613	*		4.0	Brass	x	x									
SKS-B	12/6	1616	*		4.0	Brass	x	x									
SKS-C	12/6	1614	*		4.0	Brass	x	x									Composite into 1 sample
SKS-D	12/6	1612	*		4.0	Brass	x	x									
SK-6-A	12/6	1623	*		2.5	Brass	x	x									Composite into 1 sample
SK-6-B	12/6	1628	*		2.5	Brass	x	x									
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)							
Lee Huckins		12/7/94 9:00		Lee Huckins		Lee Huckins		12/7/94 3:05		—							
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)							
—		—		—		—		—		—							
Relinquished by : (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks									
—		—		Scott Johnson		12/7/94 13:05 pm											

DATE: 12/7/94

# Hull Development Labs, Inc.

CA ELAP# 1369

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Tank Protect Engineering  
2821 Whipple Road  
Union City, CA 94587  
Attn: Jeff Farhoomand

Date:	5/22/95
Date Received:	5/16/95
Date Analyzed:	5/18/95
Project #:	Credit World 267051295
P.O. #:	1048
Sampled By:	Client

## Certified Analytical Report

### Soil Sample Analysis:

Sample ID	Sample Date	Sample Time	Lab#	DF	TPH-Gas	Benzene	Toluene	Ethyl Benzene	Xylene
VSP-1A 1.0-1.5	5/12/95	1032	B5158	1	ND	ND	ND	ND	ND
VSP-2B 2.0-2.5	5/12/95	1038	B5159	1	ND	ND	ND	ND	ND
VSP-3C 3.5-4.0	5/12/95	1042	B5160	1	ND	ND	ND	ND	ND
VSP-4D 1.0-1.5	5/12/95	1047	B5161	1	ND	ND	ND	ND	ND
VSP-5A 2.0-2.5	5/12/95	1051	B5162	1	ND	ND	ND	ND	ND
VSP 6B 3.5-4.0	5/12/95	1055	B5163	1	ND	ND	ND	ND	ND
VSP-7C 1.0-1.5	5/12/95	1101	B5164	1	ND	ND	ND	ND	ND
VSP 8D 2.0-2.5	5/12/95	1105	B5165	1	ND	ND	ND	ND	ND
VSP 9A 3.5-4.0	5/12/95	1112	B5166	1	ND	ND	ND	ND	ND
VSP 10B 1.0-1.5	5/12/95	1117	B5167	1	ND	ND	ND	ND	ND

1. PQL=Dilution Factor x MDL
2. Analysis performed by Hull Development Labs, Inc. (CAELAP #1369)

### Summary of Methods and Detection Limits:

	TPH-Gas	Benzene	Toluene	Ethylbenzene	Xylenes
EPA Method #	8015M	8020	8020	8020	8020
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
MDL	1.0 mg/kg	0.005 mg/kg	0.005 mg/kg	0.005 mg/kg	0.005 mg/kg



Michael N. Golden, Lab Director

DF=Dilution Factor  
MDL=Method Detection Limit

PQL=Practical Quantitation Limit  
ND=None Detected at or above PQL

# Hull Development Labs, Inc.

CA ELAP# 1369

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Tank Protect Engineering  
2821 Whipple Road  
Union City, CA 94587  
Attn: Jeff Farhoomand

Date:	5/22/95
Date Received:	5/16/95
Date Analyzed:	5/18/95
Project #:	Credit World 267051295
P.O. #:	1048
Sampled By:	Client

## Certified Analytical Report

### Water Sample Analysis:

Sample ID	Sample Date	Sample Time	Lab#	DF	TPH-Gas	Benzene	Toluene	Ethyl Benzene	Xylene
GB-1	5/12/95	855	B5168	1	ND	ND	ND	ND	ND

1. PQL=Dilution Factor x MDL
2. Analysis performed by Hull Development Labs, Inc. (CAELAP #1369)

### Summary of Methods and Detection Limits:

	TPH-Gas	Benzene	Toluene	Ethylbenzene	Xylenes
EPA Method #	8015M	8020	8020	8020	8020
Units	µg/liter	µg/liter	µg/liter	µg/liter	µg/liter
MDL	50.0 µg/liter	0.5 µg/liter	0.5 µg/liter	0.5 µg/liter	0.5 µg/liter



Michael N. Golden, Lab Director

DF=Dilution Factor  
MDL=Method Detection Limit

PQL=Practical Quantitation Limit  
ND=None Detected at or above PQL

QUALITY CONTROL RESULTS SUMMARY  
BTKX

QC sample No.: BLANK SPIKE & DUP      Date analyzed: 05-18-95

Matrix: WATER

Units: ug/L      Dilution factor: 1

COMPOUND	SA	SR	MS	MS	MSD	MSD	RPD	QC LIMITS	
	ug/L	ug/L	ug/L	PR	ug/L	PR		RPD	PR
BENZENE	20	0	18	90	15	75	18	25	50-150
TOLUENE	20	0	20	100	20	100	0	25	50-150

MS = Spike sample  
MSD = Spike sample duplicate  
SR = Sample result  
SA = Spike added

NC = Not calculated

\*\* = Out of limits

$$RPD = 100 \times (MS - MSD) / ((MS + MSD) / 2)$$

$$PR = 100 \times ((MS \text{ or } MSD) - SR) / SA$$

QUALITY CONTROL RESULTS SUMMARY  
FOR GASOLINE ANALYSIS

GASOLINE

QC sample No.: BLANK SPIKE & DUP      Date analyzed: 05-18-95

Matrix: WATER

Units: ug/L      Dilution factor: 1

COMPOUND	SA	SR	MS	MS	MSD	MSD	RPD	QC LIMITS	
	ug/L	ug/L	ug/L	PR	ug/L	PR		RPD	PR
GASOLINE	347	0	376	108	354	102	6	25	50-150

MS = Spike sample  
MSD = Spike sample duplicate  
SR = Sample result  
SA = Spike added

NC = Not calculated  
\*\* = Out of limits

$$RPD = 100 \times (MS - MSD) / ((MS + MSD) / 2)$$

$$PR = 100 \times ((MS \text{ or } MSD) - SR) / SA$$





TANK PROTECT ENGINEERING

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
 (415) 429-8088  
 (800) 523-8088  
 FAX (415) 429-8089

LAB: Hull  
 TURNAROUND: NORMAL  
 P.O. #: 1048

PAGE 1 OF 2

CHAIN OF CUSTODY

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS				
267051295		Creditworth Auto Sales 2345 E 14th St					TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	POC SCAN (824's)	OTHER						
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER																		
Lee Huckins 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088																		
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION													
1.0-1.5 VSP-1A	5/12	1032	X		1.0-1.5	Brass	+	+										BS158
2.0-2.5 VSP-2B	5/12	1038	X		2.0-2.5	Brass	+	+										BS159
3.5-4.0 VSP-3C	5/12	1042	X		3.5-4.0	Brass	+	+										BS160
1.0-1.5 VSP-4D	5/12	1047	X		1.0-1.5	Brass	+	+										BS161
2.0-2.5 VSP-5A	5/12	1051	X		2.0-2.5	Brass	+	+										BS162
3.5-4.0 VSP-6B	5/12	1055	X		3.5-4.0	Brass	+	+										BS163
1.0-1.5 VSP-7C	5/12	1101	X		1.0-1.5	Brass	+	+										BS164
2.0-2.5 VSP-8D	5/12	1105	X		2.0-2.5	Brass	+	+										BS165
3.5-4.0 VSP-9A	5/12	1112	X		3.5-4.0	Brass	+	+										BS166
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)								
Lee Huckins		5/15/95 10:00		Lee Huckins		Lee Huckins		5/16/95 11:30		Lee Huckins								
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)								
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks										

DATE: 5-15-95



**TANK PROTECT ENGINEERING**

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
 (415) 429-8088  
 (800) 523-8088  
 FAX (415) 429-8089

LAB: Hull  
 TURNAROUND: NORMAL  
 P.O. #: 1048

PAGE 2 OF 2

**CHAIN OF CUSTODY**

PROJECT NO.		SITE NAME & ADDRESS					(1) TYPE OF CON- TAINER	ANALYTES REQUESTED							REMARKS		
267051295		Creditworks Auto Sales 2345 E. 14 <sup>th</sup> Street						TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OLL & GREASE	POC SCAN (621's)	OTHER				
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER																	
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION												
VSP-10B 10-15	5/12	1117	X				Brass	X	X								B5167
GB-1	5/12	855		X			240ml	X	X								B5168
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)							
<i>Lee Hutchins</i>		5/15/95 10:00		<i>Lee Mee</i>		<i>Lee Mee</i>		5/16/95 11:30		<i>Jenna</i>							
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)							
Relinquished by : (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks									

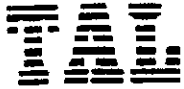
DATE: 5-15-95

**Trace Analysis Laboratory, Inc.**

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960

Facsimile (510) 783-1512



LOG NUMBER: 5658  
DATE SAMPLED: 06/30/95 and 07/03/95  
DATE RECEIVED: 07/05/95  
DATE EXTRACTED: 07/07/95  
DATE ANALYZED: 07/08/95 and 07/11/95  
DATE REPORTED: 07/12/95

CUSTOMER: Tank Protect Engineering  
REQUESTER: Jeff Farhoomand  
PROJECT: No. 267-070395, Credit Auto World, 2345 East 14th Street

Sample Type: Soil

Method and Constituent:	Units	VS-6		VS-7		Composite of STK7(1-4)	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/kg	ND	500	50,000	740	290,000	7,200
Modified EPA Method 8020 for:							
Benzene	ug/kg	ND	5.0	370	15	560	140
Toluene	ug/kg	ND	5.0	70	15	970	140
Ethylbenzene	ug/kg	ND	5.0	990	15	3,000	140
Xylenes	ug/kg	ND	15	3,300	44	11,000	430

Concentrations reported as ND were not detected at or above the reporting limit.

LOG NUMBER: 5658  
 DATE SAMPLED: 07/03/95  
 DATE RECEIVED: 07/05/95  
 DATE EXTRACTED: 07/07/95  
 DATE ANALYZED: 07/11/95  
 DATE REPORTED: 07/12/95  
 PAGE: Two


Sample Type: Soil

Method and Constituent:	Units	Composite of STK8(1-4)		Composite of STK9(1-4)		Method Blank	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
DHS Method:							
Total Petroleum Hydro- carbons as Gasoline	ug/kg	49,000	3,500	78,000	500	ND	500
Modified EPA Method 8020 for:							
Benzene	ug/kg	100	70	52	5.0	ND	5.0
Toluene	ug/kg	100	70	36	5.0	ND	5.0
Ethylbenzene	ug/kg	550	70	520	5.0	ND	5.0
Xylenes	ug/kg	1,800	210	1,600	15	ND	15

QC Summary:

% Recovery: 111, 104  
 % RPD: 1.8, 5.4

Concentrations reported as ND were not detected at or above the reporting limit.

  
 Louis W. DuPuis  
 Quality Assurance/Quality Control Manager



**TANK PROTECT ENGINEERING**

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
 (415)429-8088  
 (800)523-8088  
 FAX(415)429-8089

LAB: TAL

TURNAROUND: 5 day

P.O. #: 1077

**CHAIN OF CUSTODY**

PAGE 1 OF 2

PROJECT NO.		SITE NAME & ADDRESS					(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS
267 07035		Credit Auto world 2345 E 14th						Brass	TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	PVC SCAN (24's)	OTHER	
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER															
Lee Huckins 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088															
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION										
STK7-1	7/3	1611	X		3.0		X	X					Composite into 1 sample		
STK7-2	7/3	1610	L		3.0		X	X							
STK7-3	7/3	1608	L		3.0		X	X							
STK7-4	7/3	1606	L		3.0		X	X							
STK8-1	7/3	1611	X		2.0		X	X					Composite into 1 sample		
STK8-2	7/3	1612	L		2.0		X	X							
STK8-3	7/3	1614	X		2.0		X	X							
STK8-4	7/3	1616	X		2.0		X	X							
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)					
Lee Huckins		7/5/95 9:51 AM													
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)					
Relinquished by : (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks							
				Scott T. Fair		7/5/95 9:51 AM									

DATE: \_\_\_\_\_



**TANK PROTECT ENGINEERING**

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
 (415)429-8088  
 (800)523-8088  
 FAX(415)429-8089

LAB: TAL

TURNAROUND: 5 day

P.O. #: 1077

PAGE 2 OF 2

**CHAIN OF CUSTODY**

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER							TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	FOC SCAN (624's)	OTHER		
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION									
26707038		Credit Au to world 2345 E 14th Street												
Lee Hudkins		2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088												
STK9-1	7/3	1619	X		Z-0	BRASS	+	+						Composite into 1 sample.
STK9-2	7/3	1621	X		Z-0	BRASS	+	+						
STK9-3	7/3	1620	X		Z-0	BRASS	+	+						
STK9-4	7/3	1625	X		Z-0	BRASS	+	+						
VS-6	4/30	1319	X		Z-1'	BRASS	+	+						
VS-7	4/30	1325	X		14	BRASS	+	+						
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)				
Lee Hudkins		7/5/95 9:51 AM												
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)				
Relinquished by : (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks						
				Scott J. [Signature]		7/5/95 9:51 AM								

DATE: \_\_\_\_\_



# PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

July 10, 1995

PEL # 9507004

TANK PROTECT ENGINEERING, INC.

Attn: Lee Huckins

Re: Eight soil samples for Gasoline/BTEX and Diesel analyses.

Project name: Credit World Auto  
Project location: 2345 East 14th St.  
Project number: 267070595

Date sampled: Jul 05, 1995  
Date extracted: Jul 06-08, 1995

Date submitted: Jul 06, 1995  
Date analyzed: Jul 06-08, 1995

## RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	Diesel (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylene (ug/Kg)
STK10-1,2,3,4*	22	---	12	12	32	89
STK11-1,2,3,4*	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VS-8	33	---	36	22	66	99
VS-9	42	---	60	36	89	120
VS-10	130	---	180	85	250	370
VS-11	81	---	73	86	160	210
VS-12	N.D.	---	N.D.	N.D.	N.D.	N.D.
VS-13	75	---	48	40	78	180
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	94.6%	88.1%	81.2%	85.8%	80.1%	98.3%
Detection limit	1.0	1.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	3550 / 8015	8020	8020	8020	8020

\*Composited soil samples.

  
David Duong  
Laboratory Director



**TANK PROJECT ENGINEERING**

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
 (415) 429-8088  
 (800) 523-8088  
 FAX (415) 429-8089

LAB: Priority Env  
 TURNAROUND: NORMAL  
 P.O. #: 1078

**CHAIN OF CUSTODY**

PAGE \_\_\_\_ OF \_\_\_\_

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS			
267 070595		Credit World Auto Sales 2345 E 14th St					TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	PCC SCAN	OTHER (624's)					
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER																	
Lee Huckins 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088																	
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION												
✓ VS-8	7/5	1555	X		16	Brass	X	X									
✓ VS-9	7/5	1606	X		15	Brass	X	X									
✓ VS-10	7/5	1619	X		15	Brass	X	X									
✓ VS-11	7/5	1611	X		16	Brass	X	X									
✓ VS-12	7/5	1549	X		21	Brass	X	X									
✓ VS-13	7/5	1628	X		16	Brass	X	X									
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)							
Lee Huckins		7/6/95 8:00		[Signature]		[Signature]		7/6/95 12:44		[Signature]							
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)							
[Signature]		7/6/95 12:45		[Signature]		[Signature]				[Signature]							
Relinquished by : (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks									
[Signature]				PEL													

DATE: \_\_\_\_\_





**TANK PROTECT ENGINEERING**

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
 (415) 429-8088  
 (800) 523-8088  
 FAX (415) 429-8089

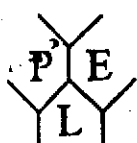
LAB: Priority  
 TURNAROUND: NORMA  
 P.O. #: 1078

PAGE 2 OF 2

**CHAIN OF CUSTODY**

PROJECT NO.		SITE NAME & ADDRESS					(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS
267070595		Credit World & Auto Sales 2345 E. 14th St						TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	FOC SCAN (24")	OTHER		
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER															
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION										
✓ STK10-1	7/5	1701	✓		3.0		x	x							Composite into 1 sample
✓ STK10-2	7/5	1659	✓		3.0		x	x							
✓ STK10-3	7/5	167	✓		3.0		x	x							
✓ STK10-4	7/5	1655	✓		3.0		x	x							
✓ STK11-1	7/5	1645	✓		3.0		x	x	x						Composite into 1 sample
✓ STK11-2	7/5	1647	✓		3.0		x	x	x						
✓ STK11-3	7/5	1649	✓		3.0		x	x	x						
✓ STK11-4	7/5	1651	✓		3.0		x	x	x						
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)					
Lee Huckins		7/6/95 18:00		[Signature]		[Signature]		7/6/95 18:44		[Signature]					
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)					
[Signature]		7/6/95 12:45		[Signature]		[Signature]		[Signature]		[Signature]					
Relinquished by : (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks							
[Signature]		[Signature]		PEL		[Signature]		[Signature]							

DATE: \_\_\_\_\_



# PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

July 17, 1995

PEL # 9507022

TANK PROTECT ENGINEERING, INC.

Attn: Lee Huckins

Re: Eight soil samples for Gasoline/BTEX analysis.

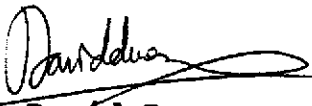
Project name: Credit World  
Project location: 2345 E. 14th Oakland  
Project number: 267

Date sampled: Jul 12, 1995  
Date extracted: Jul 13-15, 1995

Date submitted: Jul 13, 1995  
Date analyzed: Jul 13-15, 1995

## RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylene (ug/Kg)
VSP 1A	N.D.	N.D.	N.D.	N.D.	N.D.
VSP 2B	4.0	N.D.	17	26	99
VSP 3C	N.D.	N.D.	N.D.	N.D.	N.D.
VSP 4D	N.D.	N.D.	N.D.	N.D.	N.D.
VSP 5A	N.D.	N.D.	N.D.	N.D.	N.D.
VSP 6B	N.D.	N.D.	N.D.	N.D.	N.D.
VSP 7C	N.D.	N.D.	N.D.	N.D.	N.D.
VSP 8D	N.D.	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	87.1%	87.4%	94.8%	104.9%	96.7%
Detection limit	1.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	8020	8020	8020	8020

  
David Duong  
Laboratory Director



**TANK PROTECT ENGINEERING**

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
 (415)429-8088  
 (800)523-8088  
 FAX(415)429-8089

LAB: PRIORITY  
 TURNAROUND: Normal  
 P.O. #: 1093

PAGE 1 OF 1

**CHAIN OF CUSTODY**

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS				
267		CREDIT WORLD 2345 E. 14th OAKLAND					TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	VOC SCAN (224's)	OTHER						
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER						ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION							
MARK VARNBY / LEE HUCKINS 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088																		
✓	VSP 1A	7/12	11:12	X		1.0'	BRASS	X	X	X	X	X	X	X	X			
✓	VSP 2B	"	11:15	X		2.0'	"	X	X	X	X	X	X	X	X			
✓	VSP 3C	"	11:17	X		3.5'	"	X	X	X	X	X	X	X	X			
	VSP 4D	"	11:19	X		1.0'	"	X	X	X	X	X	X	X	X			
	VSP 5B	"	11:21	X		2.0'	"	X	X	X	X	X	X	X	X			
	VSP 6B	"	11:23	X		3.5'	"	X	X	X	X	X	X	X	X			
	VSP 7B	"	11:25	X		1.0'	"	X	X	X	X	X	X	X	X			
	VSP 8B	"	11:27	X		2.0'	"	X	X	X	X	X	X	X	X			
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)								
<i>Mark Varnby</i>		7/13/95 8:00		<i>THOMAS LAM</i>		<i>Lee Huckins</i>		7/13/95 3:00										
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)								
		7/13/95 3:00 PM		<i>THOMAS</i>														
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks										
				<i>PEL</i>														

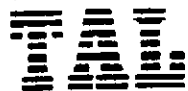
DATE: \_\_\_\_\_

**Trace Analysis Laboratory, Inc.**

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960

Facsimile (510) 783-1512



LOG NUMBER: 5726  
 DATE SAMPLED: 07/28/95  
 DATE RECEIVED: 07/31/95  
 DATE EXTRACTED: 08/03/95  
 DATE ANALYZED: 08/05/95 and 08/06/95  
 DATE REPORTED: 08/07/95

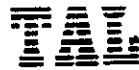
CUSTOMER: Tank Protect Engineering  
 REQUESTER: Jeff Farhoomand  
 PROJECT: No. 267-072895, Credit World Auto Sales, 2345 East 14th Street

Sample Type: Soil

Method and Constituent:	Units	VS-14		VS-15		VS-16	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/kg	2,800	500	61,000	1,800	38,000	1,400
Modified EPA Method 8020 for:							
Benzene	ug/kg	300	5.0	470	37	400	28
Toluene	ug/kg	16	5.0	42	37	43	28
Ethylbenzene	ug/kg	94	5.0	1,200	37	420	28
Xylenes	ug/kg	140	15	730	110	590	87

Method and Constituent:	Units	VS-17		VS-18		Composite of STK12(A-D)	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/kg	14,000	500	590,000	73,000	87,000	3,600
Modified EPA Method 8020 for:							
Benzene	ug/kg	120	5.0	3,100	1,500	260	72
Toluene	ug/kg	18	5.0	2,400	1,500	140	72
Ethylbenzene	ug/kg	150	5.0	10,000	1,500	1,600	72
Xylenes	ug/kg	110	15	52,000	4,400	3,000	220

Concentrations reported as ND were not detected at or above the reporting limit.



LOG NUMBER: 5726  
 DATE SAMPLED: 07/28/95  
 DATE RECEIVED: 07/31/95  
 DATE EXTRACTED: 08/03/95  
 DATE ANALYZED: 08/05/95  
 DATE REPORTED: 08/07/95  
 PAGE: Two


Sample Type: Soil

Method and Constituent:	Units	Composite of STK13(A-D)		Method Blank	
		Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:					
Total Petroleum Hydrocarbons as Gasoline	ug/kg	58,000	3,500	ND	500
Modified EPA Method 8020 for:					
Benzene	ug/kg	210	70	ND	5.0
Toluene	ug/kg	97	70	ND	5.0
Ethylbenzene	ug/kg	630	70	ND	5.0
Xylenes	ug/kg	2,300	210	ND	15

QC Summary:

% Recovery: 71  
 % RPD: 4.0

Concentrations reported as ND were not detected at or above the reporting limit.

  
 Louis W. DuPuis  
 Quality Assurance/Quality Control Manager



**TANK PROTECT ENGINEERING**

2821 WHIPPLE ROAD  
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 (415)429-8088  
 (800)523-8088  
 FAX(415)429-8089

LAB: TAL

TURNAROUND: 5 Days

P.O. #: 102

PAGE 1 OF 2

**CHAIN OF CUSTODY**

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CON- TAINER	ANALYTES REQUESTED							REMARKS	
267072895		Credit world Auto Sales 2345 E 14th					TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC (BTP)	OIL & GREASE	POC SCAN (621's)	OTHER			
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER															
Lee Huckins 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088															
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION										
VS-14	7/28	1400			19'	Brass	X	X							
VS-15	7/28	1418			25'	}	X	X							
VS-16	7/28	1458			16'		X	X							
VS-17	7/28	1635			19'		X	X							
VS-18	7/28	1650			14'		X	X							
Relinquished by : (Signature) <i>Lee Huckins</i>						Date / Time 7/31/95 4:30		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)	
Relinquished by : (Signature)						Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)	
Relinquished by : (Signature)						Date / Time		Received for Laboratory by: (Signature) <i>Scott T. L...</i>		Date / Time 7/31/95 14:30 PM		Remarks			

DATE: \_\_\_\_\_



**TANK PROTECT ENGINEERING**

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
 (415) 429-8088  
 (800) 523-8088  
 FAX (415) 429-8089

LAB: TRACE

TURNAROUND: 5 days

P.O. #: 110Z

PAGE 2 OF 2

**CHAIN OF CUSTODY**

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS
267 072895		Credit world Auto Sales 2345 TE 14th					TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	PC SCAM (624'9)	OTHER		
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER														
Lee Hudkins 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088														
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION									
STK12A	7/28	1705	X		Z.0	Brass	X	X						Composite into 1 sample
STK12B	7/28	1720	X		Z.0		X	X						
STK12C		1705	X		Z.0		X	X						
STK12D		1705	X		Z.0		X	X						
STK13A		1720	X		3.0		X	X						Composite into 1 sample
STK13B		1720	X		3.0		X	X						
STK13C		1720	X		3.0		X	X						
STK13D		1720	X		3.0		X	X						
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)				
Lee Hudkins		7/31/95 4:30 pm												
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)				
Relinquished by : (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks						
				Scott T. L.		7/31/95 4:30 pm								

DATE: \_\_\_\_\_



**TANK PROJECT ENGINEERING**

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
 (415) 429-8088  
 (800) 523-8088  
 FAX (415) 429-8089

LAB: Priority Env

TURNAROUND: NORMAL

P.O. #: 1078

PAGE \_\_\_\_ OF \_\_\_\_

**CHAIN OF CUSTODY**

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS							
267 070595		Credit World Auto Sales 2345 E 14th St					TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	PCC SCAN	OTHER (624's)									
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER						ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION										
Lee Huckins 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088																					
✓	VS-8	7/5	1555	X		16	Brass	X	X												
✓	VS-9	7/5	1606	X		15	Brass	X	X												
✓	VS-10	7/5	1609	X		15	Brass	X	X												
✓	VS-11	7/5	1611	X		16	Brass	X	X												
✓	VS-12	7/5	1549	X		21	Brass	X	X												
✓	VS-13	7/5	1628	X		16	Brass	X	X												
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)											
Lee Huckins		7/6/95 8:00		[Signature]		[Signature]		7/6/95 12:44		[Signature]											
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)											
[Signature]		7/6/95 12:45		[Signature]		[Signature]				[Signature]											
Relinquished by : (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks													
[Signature]		[Time]		PEL		[Time]															

DATE: \_\_\_\_\_





**TANK PROTECT ENGINEERING**

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
 (415) 429-8088  
 (800) 523-8088  
 FAX (415) 429-8089

LAB: Priority  
 TURNAROUND: NORM  
 P.O. #: 1078

PAGE 2 OF 2

**CHAIN OF CUSTODY**

PROJECT NO.		SITE NAME & ADDRESS					(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS
267070595		Credit World & Auto Sales 2345 E. 14th St						TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	FOC SCAN (24")	OTHER		
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER															
Lee Huckins 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088															
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION										
✓ STK10-1	7/5	1701	✓		3.0		x	x							Composite into 1 sample
✓ STK10-2	7/5	1659	✓		3.0		x	x							
✓ STK10-3	7/5	167	✓		3.0		x	x							
✓ STK10-4	7/5	1655	✓		3.0		x	x							
✓ STK11-1	7/5	1645	✓		3.0		x	x	x					Composite into 1 sample	
✓ STK11-2	7/5	1647	✓		3.0		x	x	x						
✓ STK11-3	7/5	1649	✓		3.0		x	x	x						
✓ STK11-4	7/5	1651	✓		3.0		x	x	x						
Relinquished by: (Signature)		Date / Time		Received by: (Signature)			Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
Lee Huckins		7/6/95 18:00		[Signature]			[Signature]		7/6/95 18:44		[Signature]				
Relinquished by: (Signature)		Date / Time		Received by: (Signature)			Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
[Signature]		7/6/95 12:45		[Signature]			[Signature]		[Signature]		[Signature]				
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)			Date / Time		Remarks						
[Signature]		[Signature]		PEL			[Signature]		[Signature]						

DATE: \_\_\_\_\_



**TANK PROTECT ENGINEERING**

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
 (415)429-8088  
 (800)523-8088  
 FAX(415)429-8089

LAB: PRIORITY  
 TURNAROUND: ~~Normal~~ Normal  
 P.O. #: 1093

PAGE 1 OF 1

**CHAIN OF CUSTODY**

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS				
267		CREDIT WORLD 2345 E. 14th OAKLAND					TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	VOC SCAN (224's)	OTHER						
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER						ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION							
MARK VARNBY / LEE HUCKINS 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088																		
✓	VSP 1A	7/12	11:12	X		1.0'	BRASS	X	X	X	X	X	X	X	X			
✓	VSP 2B	"	11:15	X		2.0'	"	X	X	X	X	X	X	X	X			
✓	VSP 3C	"	11:17	X		3.5'	"	X	X	X	X	X	X	X	X			
	VSP 4D	"	11:19	X		1.0'	"	X	X	X	X	X	X	X	X			
	VSP 5B	"	11:21	X		2.0'	"	X	X	X	X	X	X	X	X			
	VSP 6B	"	11:23	X		3.5'	"	X	X	X	X	X	X	X	X			
	VSP 7B	"	11:25	X		1.0'	"	X	X	X	X	X	X	X	X			
	VSP 8B	"	11:27	X		2.0'	"	X	X	X	X	X	X	X	X			
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)								
<i>Mark Varnby</i>		7/13/95 8:00		<i>THOMAS LAM</i>		<i>Lee Huckins</i>		7/13/95 3:00										
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)								
		7/13/95 3:00 PM		<i>THOMAS</i>														
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks										
				<i>PEL</i>														

DATE: \_\_\_\_\_



**TANK PROTECT ENGINEERING**

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
 (415)429-8088  
 (800)523-8088  
 FAX(415)429-8089

LAB: TAL

TURNAROUND: 5 Days

P.O. #: 102

PAGE 1 OF 2

**CHAIN OF CUSTODY**

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS		
267072895		Credit world Auto Sales 2345 E 14th					TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC (BTP)	OIL & GREASE HC	POC SCAN (621's)	OTHER				
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER																
Lee Huckins 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088																
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION											
VS-14	7/28	1400			19'	Brass	X	X								
VS-15	7/28	1418			25'	}	X	X								
VS-16	7/28	1458			16'		X	X								
VS-17	7/28	1635			19'		X	X								
VS-18	7/28	1650			14'		X	X								
Relinquished by : (Signature)						Date / Time	Received by : (Signature)		Relinquished by : (Signature)		Date / Time	Received by : (Signature)				
Lee Huckins						7/31/95 4:30										
Relinquished by : (Signature)						Date / Time	Received by : (Signature)		Relinquished by : (Signature)		Date / Time	Received by : (Signature)				
Relinquished by : (Signature)						Date / Time	Received for Laboratory by: (Signature)		Date / Time	Remarks						
							Scott T. L...		7/31/95 14:30 PM							

DATE: \_\_\_\_\_



**TANK PROTECT ENGINEERING**

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
 (415) 429-8088  
 (800) 523-8088  
 FAX (415) 429-8089

LAB: TRACE

TURNAROUND: 5 days

P.O. #: 1102

PAGE 2 OF 2

**CHAIN OF CUSTODY**

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS
267 072895		Credit world Auto Sales 2345 TE 14th					TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	PC SCAM (624'9)	OTHER		
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER														
Lee Hudkins 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088														
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION									
STK12A	7/28	1705	X		Z.0	Brass	X	X						Composite into 1 sample
STK12B	7/28	1720	X		Z.0		X	X						
STK12C		1705	X		Z.0		X	X						
STK12D		1705	X		Z.0		X	X						
STK13A		1720	X		3.0		X	X						Composite into 1 sample
STK13B		1720	X		3.0		X	X						
STK13C		1720	X		3.0		X	X						
STK13D		1720	X		3.0		X	X						
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)				
Lee Hudkins		7/31/95 4:30 pm												
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)				
Relinquished by : (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks						
				Scott T. L.		7/31/95 4:30 pm								

DATE: \_\_\_\_\_



# PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

October 06, 1995

PEL # 9510011

TANK PROTECT ENGINEERING

Attn: Lee Huckins

Re: Eleven soil samples for Gasoline/BTEX analysis.

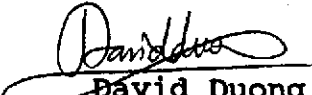
Project name: Credit World Auto Sales  
Project location: 2345 E. 14th St.  
Project number: 267100395

Date sampled: Oct 03, 1995  
Date extracted: Oct 04-05, 1995

Date submitted: Oct 04, 1995  
Date analyzed: Oct 04-05, 1995

## RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylene (ug/Kg)
VSP 11A	N.D.	N.D.	N.D.	N.D.	N.D.
VSP 12B	N.D.	N.D.	N.D.	N.D.	N.D.
VSP 13C	N.D.	N.D.	N.D.	N.D.	N.D.
VSP 14D	N.D.	N.D.	N.D.	N.D.	N.D.
VSP 15A	N.D.	N.D.	N.D.	N.D.	N.D.
VSP 16B	N.D.	N.D.	N.D.	N.D.	N.D.
VSP 17C	N.D.	N.D.	N.D.	N.D.	N.D.
VSP 18D	N.D.	N.D.	N.D.	N.D.	N.D.
VSP 19A	N.D.	N.D.	N.D.	N.D.	N.D.
VSP 20B	N.D.	N.D.	N.D.	N.D.	N.D.
VSP 21C	N.D.	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	85.1%	92.2%	94.9%	107.4%	109.9%
Detection limit	1.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	8020	8020	8020	8020

  
David Duong  
Laboratory Director



**TANK PROTECT ENGINEERING**

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
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 (800) 523-8088  
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LAB: Priority

TURNAROUND: \_\_\_\_\_

P.O. #: 1125

PAGE 1 OF 2

**CHAIN OF CUSTODY**

PROJECT NO.		SITE NAME & ADDRESS					(1) TYPE OF CONTAINER	ANALYTES REQUESTED							PEL # 9510011 INV # 26396	
267 100895		Creditworld Auto Sales 2345 E. 14 <sup>th</sup> Street						TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	PC SCAN (24")	OTHER			
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER																
Lee Huckins 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088																
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION											
VSP10A	10/3	1035	X		1.5-2.0		BRASS	X	X							
VSP12B	10/3	1037	X		2.0-2.5		BRASS	X	X							
VSP13C	10/3	1044	X		3.0-3.5		BRASS	X	X							
VSP14D	10/3	1049	X		1.5-2.0		BRASS	X	X							
VSP15A	10/3	1051	X		2.0-2.5		BRASS	X	X							
VSP16B	10/3	1056	X		3.0-3.5		BRASS	X	X							
VSP17C	10/3	1053	X		1.5-2.0		BRASS	X	X							
VSP18D	10/3	1057	X		2.0-2.5		BRASS	X	X							
VSP19A	10/3	1058	X		3.0-3.5		BRASS	X	X							
Relinquished by: (Signature)		Date / Time		Received by: (Signature)			Relinquished by: (Signature)			Date / Time		Received by: (Signature)				
Lee Huckins		10/19/14 15		[Signature]												
Relinquished by: (Signature)		Date / Time		Received by: (Signature)			Relinquished by: (Signature)			Date / Time		Received by: (Signature)				
				D HAN H LAM												
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)			Date / Time		Remarks							
		10/19/14 16		PEL												

DATE: \_\_\_\_\_



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LAB: Priority

TURNAROUND: \_\_\_\_\_

P.O. #: 1125

PAGE 2 OF 2

**CHAIN OF CUSTODY**

PROJECT NO. 267100395		SITE NAME & ADDRESS Creditwork Auto Sales 2345 E 14th St					(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER Lee Huckins 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088								TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	PCC SCAN (624's)	OTHER		
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION										
VSP20B	10/3	1102	X		<del>1.5-2.0</del>	Brass	X	X							
VSP21C	10/3	1100	X		2.0-2.5	Brass	X	X							
Relinquished by: (Signature) <i>Lee Huckins</i>		Date / Time 10/4/95 14:15		Received by: (Signature) <i>[Signature]</i>			Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
Relinquished by: (Signature)		Date / Time		Received by: (Signature) <i>TRIANA LAM</i>			Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
Relinquished by: (Signature)		Date / Time 10/4/95 14:15		Received for Laboratory by: (Signature) <i>PEL</i>			Date / Time		Remarks						

DATE: \_\_\_\_\_



# PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

May 30, 1996

PEL # 9605061

TANK PEORTECT ENGINEERING

Attn: Louis Travis III

Re: Four soil samples for Gasoline/BTEX with MTBE analysis.

Project name: Credit World Auto Sales

Project location: 2345 E. 14th St., - Oakland, CA.

Project number: 267-052496

Date sampled: May 24, 1996

Date submitted: May 28, 1996


Date extracted: May 28-29, 1996

Date analyzed: May 28-29, 1996

## RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	MTBE (ug/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylene (ug/Kg)
STK-1 A,B,C,D*	170	N.D.	110	160	710	2600
STK-2 S,B,C,D*	320	N.D.	100	95	1200	2100
VF-1	10	N.D.	N.D.	7.4	9.5	37
VS-2D	140	N.D.	170	210	280	1500
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	87.8%	---	77.5%	91.7%	101.9%	111.1%
Detection limit	1.0	5.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	8020	8020	8020	8020	8020

\*Composited soil samples.

  
David Duong  
Laboratory Director





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 of Northern California, Inc.  
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(510) 429-8088 ■ (800) 523-8088 ■ Fax (510) 429-8089

LAB: P.E.L

TURNAROUND: Normal

P.O. #: 1304

PAGE 1 OF 2

## CHAIN OF CUSTODY

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CONTAINER	ANALYTES REQUESTED						REMARKS
267-052496		Credit World Auto Sales 2345 E. 14th St Fullerton, CA					TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	PCB SCAN (224's)	OTHER	
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER													
Louis Torres III 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088													
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION								
STK-1-A	5/24/86	3:00	✓		STK-1-A @ 2.0' Stockpile	BRASS TUBE	✓	✓				} Composite	
STK-1-B		3:05			STK-1-B @ 2.5' Stockpile								
STK-1-C		3:10			STK-1-C @ 3.0' Stockpile								
STK-1-D		3:15			STK-1-D @ 2.0' Stockpile								
XS-2D		4:00			XS-2D @ 18:0' SIDEWALK SAMPLE								
VF-1		4:20			VF-1 @ 21:0' FLOOR SAMPLE								
STK-2-A		4:10			STK-2-A @ 2.0' Stockpile						} Composite		
STK-2-B		4:15			STK-2-B @ 2.5' Stockpile								
STK-2-C		4:20			STK-2-C @ 3.0' Stockpile								
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)			
<i>[Signature]</i>		5/28/86 13:50		<i>[Signature]</i>									
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)			
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks					
				<i>[Signature]</i>				P E L					

DATE: \_\_\_\_\_



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LAB: P.E.L

TURNAROUND: Normal

P.O. #: 1304

PAGE 1 OF 2

### CHAIN OF CUSTODY

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CON- TAINER	ANALYTES REQUESTED							REMARKS
267-052496		Credit World Auto Sales 2345 E-14th St Oakland, CA					TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	VOC SCAN (21's)	OTHER		
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER												REMARKS		
Lorin Truck # 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088														
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION									
STK 2-D	5/24/96	4:25	✓		STK 2-D @ 20' Indole	BULK TUBE							Composite of STK 2-A thru C	
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
[Signature]				[Signature]										
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks						
		5/28/96 4:51		P.E.L										

DATE: \_\_\_\_\_



# PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

June 01, 1996

PEL # 9605070

TANK PROTECT ENGINEERING

Attn: Mark R. Varney

Re: Fourteen soil samples for Gasoline/BTEX with MTBE analysis.

Project name: Credit World Auto Sales

Project location: 2345 E. 14th St., - Oakland, CA.

Project number: 267053096

Date sampled: May 30, 1996

Date submitted: May 30, 1996

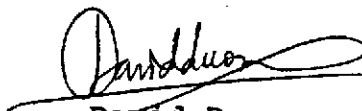
Date extracted: May 30-Jun 01, 1996

Date analyzed: May 30-Jun 01, 1996

## RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	MTBE (ug/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylene (ug/Kg)
STK 1 A,B,C,D*	1.7	N.D.	N.D.	N.D.	5.0	17
STK 2 A,B,C,D*	140	N.D.	13	26	47	94
STK 3 A,B,C,D*	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
STK 4 A,B,C,D*	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
STK 5 A,B,C,D*	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
STK 6 A,B,C,D*	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VS-22	22	N.D.	6.5	N.D.	20	31
VS-23	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VS-24	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VS-25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VS-26	66	N.D.	6.3	22	24	130
VS-27	3.9	N.D.	N.D.	N.D.	N.D.	33
VS-28	450	N.D.	170	120	280	390
VS-29	470	N.D.	49	85	250	760
Blank Spiked	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Recovery	82.4%	---	88.2%	92.9%	99.8%	102.2%
Detection limit	1.0	5.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	8020	8020	8020	8020	8020

\*Composited soil samples.

  
David Duong  
Laboratory Director



**TANK PROTECT ENGINEERING**

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 UNION CITY, CA 94587  
 (415)429-8088  
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 FAX(415)429-8089

LAB: PRIORITY ENVIRONMENTAL LABS

TURNAROUND: REGULAR

P.O. #: 1266

PAGE 1 OF 4

**CHAIN OF CUSTODY**

PROJECT NO. 267053096		SITE NAME & ADDRESS CREDIT WORLD AUTO SALES 2345 E. 14th ST. OAKLAND				(1) TYPE OF CONTAINER	ANALYTES REQUESTED						REMARKS
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER MARK R. VARNEY 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088							TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	PVC SCAN (621's)	OTHER	
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION								
STK3A	5/30/96	11:40	X		2.5	BRASS	X	X					COMPOSITE 4 to 1
STK3B	"	11:45	X		2.5	"	X	X					
STK3C	"	11:50	X		2.5	"	X	X					
STK3D	"	11:55	X		2.5	"	X	X					
STK4A	"	12:10	X		2.5	"	X	X					COMPOSITE 4 to 1
STK4B	"	12:15	X		2.5	"	X	X					
STK4C	"	12:05	X		2.5	"	X	X					
STK4D	"	12:00	X		2.5	"	X	X					DISCRETE SAMPLE
VS-29	"	11:02	X		12.5	"	X	X					
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)			
<i>[Signature]</i>		5/30/96 15:25		<i>[Signature]</i>									
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)			
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks					
		5/30/96 15:20		<i>[Signature]</i>									

DATE: 5/30/96



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LAB: PRIORITY ENVIRONMENTAL LABS

TURNAROUND: REGULAR

P.O. #: 1266

PAGE 2 OF 4

**CHAIN OF CUSTODY**

PROJECT NO. 267 0530 96		SITE NAME & ADDRESS CREDIT WORLD AUTO SALES 2345 E. 14th ST OAKLAND				(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER MARK R. VARNSEY 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088							TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	VOC SCAN (624's)	OTHER		
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION									
STK5A	5/30/96	12:25	X			BRASS	X	X					} COMPOSITE 4 to 1	
STK5B	"	12:30	X			"	X	X						
STK5C	"	12:40	X			"	X	X						
STK5D	"	12:45	X			"	X	X						
STK6A	"	13:25	X			"	X	X				} COMPOSITE 4 to 1		
STK6B	"	13:35	X			"	X	X						
STK6C	"	13:45	X			"	X	X						
STK6D	"	13:55	X			"	X	X						
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
<i>M. R. Varnsey</i>		5/30/96 15:25		<i>[Signature]</i>										
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks						
		5/30/96 15:20		<i>DEL</i>										

DATE: 5/30/96



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LAB: PRIORITY ENVIRONMENTAL LABS

TURNAROUND: REGULAR

P.O. #: 1266

PAGE 3 OF 4

**CHAIN OF CUSTODY**

PROJECT NO. 267052996		SITE NAME & ADDRESS CREDIT WORLD AUTO SALES 2345 E 14th ST. OAKLAND				(1) TYPE OF CONTAINER	ANALYTES REQUESTED	TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC (BTEX)	OIL & GREASE	PCC SCAN	OTHER (624's)	REMARKS
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER MARK R. VORNEY 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088														
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION									
STK1A	5/29/96	16:15	X			BRASS	X	X						} COMPOSITE 4 to 1
STK1B	"	16:16	X			"	X	X						
STK1C	"	16:22	X			"	X	X						
STK1D	"	16:28	X			"	X	X						
STK2A	"	16:32	X			"	X	X						} COMPOSITE 4 to 1
STK2B	"	16:34	X			"	X	X						
STK2C	"	16:40	X			"	X	X						
STK2D	"	16:42	X			"	X	X						
Relinquished by: (Signature) <i>MRO</i>		Date / Time 5/30/96 15:25		Received by: (Signature) <i>Urborn</i>		Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
Relinquished by: (Signature)		Date / Time 5/30/96 15:27		Received for Laboratory by: (Signature) <i>PEL</i>		Date / Time		Remarks						

DATE: 5/29/96



**TANK PROTECT ENGINEERING**

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 FAX (415) 429-8088

LAB: PRIORITY ENVIRONMENTAL LABS

TURNAROUND: REGULAR

P.O. #: 1266

PAGE 4 OF 4

**CHAIN OF CUSTODY**

PROJECT NO. 267 052996		SITE NAME & ADDRESS CREDIT WORLD AUTO SALES 2345 E 14th ST OAKLAND				(1) TYPE OF CON-TAINER	ANALYTES REQUESTED							REMARKS
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER MARK R. VARNSEY 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088							TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	POC SCAN (624'9)	OTHER		
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION									
VS-22	5/29/96	11:50	X		14'	BRASS	X	X					ALL SAMPLES DISCREET	
VS-23	"	11:59	X		19'	"	X	X						
VS-24	"	12:07	X		14'	"	X	X						
VS-25	"	14:52	X		19'	"	X	X						
VS-26	"	14:59	X		14'	"	X	X						
VS-27	"	17:00	X		18'	"	X	X						
VS-28	"	17:04	X		12.5'	"	X	X						
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks						

DATE: 5/29/96



# PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

July 31, 1996

PEL # 9607072

TANK PROTECT ENGINEERING

Attn: Lee Huckins

Re: Ten soil samples for Gasoline/BTEX with MTBE analysis.

Project name: Credit World Auto Sales

Project location: 2345 E. 14th St.

Project number: 267073096

Date sampled: Jul 30, 1996

Date submitted: Jul 31, 1996

Date extracted: Jul 31, 1996

Date analyzed: Jul 31, 1996

## RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	MTBE (ug/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylene (ug/Kg)
VSP-20A	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VSP-21B	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VSP-22C	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VSP-23D	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VSP-24A	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VSP-25B	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VSP-26C	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VSP-27D	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VSP-28A	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VSP-29B	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	89.4%	---	85.1%	90.5%	100.2%	88.8%
Detection limit	1.0	5.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	8020	8020	8020	8020	8020

David Duong  
Laboratory Director





TANK PROTECT ENGINEERING  
of Northern California, Inc.  
2821 Whipple Rd., Union City, CA 94587-1233

(510) 429-8088 ■ (800) 523 8088 ■ Fax (510) 429 8089

LAB: Priority Env.  
TURNAROUND: 48 hr  
P.O. #: 1323

PAGE 1 OF 2

### CHAIN OF CUSTODY

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS	
2670T3096		Creditworld Auto Sales 2345 E 14th St					TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC (BTK)	OIL & GREASE	PFC SCAN (624's)	OTHER			
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER															
Lee Hutchins 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088															
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION										
VSP-20A	7/30	1115	X		1.5-2.0	Brass	X	X							need to include MTBE.
VSP21B	7/30	1117	X		2.5-3.0	Brass	X	X							
VSP22C	7/30	1124	X		3.5-4.0	Brass	X	X							
VSP23D	7/30	1126	✓		1.5-2.0	Brass	X	X							
VSP24A	7/30	1130	✓		2.5-3.0	Brass	X	X							
VSP25B	7/30	1132	X		3.5-4.0	Brass	X	X							
VSP26C	7/30	1134	X		1.5-2.0	Brass	X	X							
VSP27D	7/30		✓		2.5-3.0	Brass	X	X							
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)					
Lee Hutchins															
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)					
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks							
				David [Signature]		07/31/98 7:50 AM									

DATE: \_\_\_\_\_



TANK PROTECT ENGINEERING  
of Northern California, Inc.

2821 Whipple Rd., Union City, CA 94587-1233

(510) 429-8088 ■ (800) 523 8088 ■ Fax (510) 429 8089

LAB: Priority Env.

TURNAROUND: 48 hr

P.O. #: 1323

PAGE 2 OF 2

### CHAIN OF CUSTODY

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CON- TAINER	ANALYTES REQUESTED							REMARKS
26703096		CWAS 2345 E 14th St.					TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	PCB SCAN (ppt's)	OTHER		
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER														
Lee Hudkins 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088														
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION									
NSZBA	7/30	1137	X		35-4.0 <del>35-2.0</del>	Brass	X	X						
NSZBD	7/30	1138	X		1.5-2.0	Brass	X	X						
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)				
<i>Lee Hudkins</i>														
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)				
Relinquished by : (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks						
				<i>[Signature]</i>		07/31/95 7:50 AM								

DATE: \_\_\_\_\_



# PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 17, 1996

PEL # 9609032

TANK PROTECT ENGINEERING

Attn: Lee Huckins

Re: Five RUSH soil samples for Gasoline/BTEX with MTBE analysis.

Project name: CWAS

Project location: 2345 E. 14th St.

Project number: 267091696

Date sampled: Sep 16, 1996

Date submitted: Sep 16, 1996

Date extracted: Sep 16-17, 1996

Date analyzed: Sep 16-17, 1996

## RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	MTBE (ug/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylene (ug/Kg)
STK-20A,B,C,D*	44	N.D.	75	90	110	170
STK-22A,B,C,D*	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
STK-23A,B,C,D*	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VS-30	8.2	N.D.	40	54	250	210
VS-31	110	N.D.	280	210	460	490
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	80.2%	---	85.6%	84.3%	83.3%	81.7%
Detection limit	1.0	5.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	8020	8020	8020	8020	8020

\*Composited soil samples.

David Duong  
Laboratory Director



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LAB: Priority Environmental  
TURNAROUND: 24hr  
P.O. #: 1337

PAGE 1 OF 2

### CHAIN OF CUSTODY

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CON- TAINER	ANALYTES REQUESTED						REMARKS
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER		2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088					TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC (BTEX)	OIL & GREASE	PCB SCAN (224's)	OTHER	
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION								
VS-30	9/16	1405	X		15'	Brass	+					Report MTBE  Composite into 1 sample	
VS-31		1400	X		14'		+						
ST420A		1445	X		2.0		+						
ST420B		1445	X		2.0		+						
ST420C		1445	X		2.0		+						
ST420D		1445	X		2.0		+						
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)			
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)			
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks					

DATE: \_\_\_\_\_



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LAB: Priority  
TURNAROUND: 24 hr  
P.O. #: 1337

PAGE 2 OF 2

### CHAIN OF CUSTODY

PROJECT NO.		SITE NAME & ADDRESS					(1) TYPE OF CON- TAINER	ANALYTES REQUESTED							REMARKS		
2167091696		CWA's 2345 E 14th St						TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC (BTEX)	OIL & GREASE	PCC SCAN (24' x)	OTHER				
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER																	
Lee Hocking 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088																	
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION												
ST42AA	9/16	15N	+		1.5		Beers	+									report MTBE Composite into sample
ST42B	9/16	15D	+		1.5			+									
ST42C	9/16	15D	+		1.5			+									
ST42D	9/16	15D	+		1.5			+									
ST42A	9/16	15D	+		1.0			+									
ST42B	9/16	15D	+		1.0			+									
ST42C	9/16	15D	+		1.0			+									Composite into sample
ST42D	9/16	15D	+		1.0			+									

Relinquished by: (Signature) <i>Lee Hocking</i>	Date / Time 9/16/96 10:20	Received by: (Signature) <i>Thompson</i>	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time 9/16/96 16:20	Received by: (Signature) <i>THANH LAM</i>	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) <i>PEL</i>	Date / Time	Remarks	

DATE: \_\_\_\_\_



# PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 19, 1996

PEL # 9609041

TANK PROTECT ENGINEERING

Attn: Lee Huckins

Re: Six RUSH composited soil samples for Gasoline/BTEX  
with MTBE analysis.

Project name: CWAS  
Project location: 2345 E. 14th St.  
Project number: 267091796

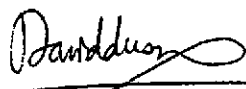
Date sampled: Sep 17, 1996  
Date extracted: Sep 18-19, 1996

Date submitted: Sep 18, 1996  
Date analyzed: Sep 18-19, 1996

## RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	MTBE (ug/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylene (ug/Kg)
STK-25A,B,C,D*	210	N.D.	180	98	120	240
STK-26A,B,C,D*	31	N.D.	50	63	84	250
VS-32	20	N.D.	120	120	130	280
VS-33	7.5	N.D.	19	34	60	200
VS-34	52	N.D.	190	140	630	660
VS-35	29	N.D.	23	130	72	500
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	91.5%	---	94.3%	104.3%	87.6%	101.8%
Detection limit	1.0	5.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	8020	8020	8020	8020	8020

\*Composited soil samples.

  
David Duong  
Laboratory Director



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LAB: Priority Env  
TURNAROUND: 24hr  
P.O. #: 1339

PAGE 1 OF 2

### CHAIN OF CUSTODY

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CON- TAINER	ANALYTES REQUESTED						REMARKS	
267091796		CWAS 2345 E. 14 <sup>th</sup> Street Lee Huckins 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088					TOTAL LIGHT HC	AROMATIC HC	TOTAL HC (BTP)	OIL & GREASE	VOC SCAN (24 h)	OTHER		
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION	Report MUSE								
US-32	9/17		X		12'	Bios	X	X						
US-33	9/17		X		12'		X	X						
US-34	9/17		X		12'		X	X						
US-35	9/17		X		12'		X	X						
STA 25A	9/17	1340	X		1.0		X	X				Composite into 1 sample		
STA 25B	9/17	1345	X		1.0		X	X						
STA 25C	9/17	1350	X		1.0		X	X						
STA 25D	9/17	1355	X		1.0		X	X						
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)				
Lee Huckins				[Signature]										
Relinquished by : (Signature)		Date / Time		Received by : (Signature)		Relinquished by : (Signature)		Date / Time		Received by : (Signature)				
		9/18/98 14:00		THANALAM										
Relinquished by : (Signature)		Date / Time		Received for Laboratory by : (Signature)		Date / Time		Remarks						
				PEL										

DATE: \_\_\_\_\_



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LAB: Priority Env  
TURNAROUND: 24 hr  
P.O. #: 1339

PAGE 2 OF 2

### CHAIN OF CUSTODY

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CON- TAINER	ANALYTES REQUESTED	TOTAL LIGHT BC	AROMATIC BC	TOTAL HEAVY BC (HTX)	OIL & GREASE	FOC SCAN (624's)	OTHER	REMARKS
<u>26791096</u>		<u>CWAS 2345 E 14th St</u>												
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER		DATE		TIME	SOIL	WATER	SAMPLING LOCATION							
<u>Lee Hopkins</u> 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088		<u>9/17</u>		<u>1620</u>	<u>X</u>		<u>1.0</u>							
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION						REMARKS			
<u>STK26A</u>	<u>9/17</u>	<u>1620</u>	<u>X</u>		<u>1.0</u>						} Composite into 1 sample			
<u>STK26B</u>	<u>9/17</u>	<u>1620</u>	<u>X</u>		<u>1.0</u>									
<u>STK26C</u>	<u>9/17</u>	<u>1620</u>	<u>X</u>		<u>1.0</u>									
<u>STK26D</u>	<u>9/17</u>	<u>1620</u>	<u>X</u>		<u>1.0</u>									
Relinquished by : (Signature)		Date / Time		Received by : (Signature)			Relinquished by : (Signature)			Date / Time		Received by : (Signature)		
<u>Lee Hopkins</u>				<u>Thom Lam</u>										
Relinquished by : (Signature)		Date / Time		Received by : (Signature)			Relinquished by : (Signature)			Date / Time		Received by : (Signature)		
		<u>9/18/96 12:01</u>		<u>THOM LAM</u>										
Relinquished by : (Signature)		Date / Time		Received for Laboratory by: (Signature)			Date / Time		Remarks					
				<u>PEL</u>										

DATE: \_\_\_\_\_





# PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 18, 1996

PEL # 9609037

TANK PROTECT ENGINEERING

Attn: Lee Huckins

Re: Two RUSH composited RUSH soil samples for Gasoline/BTEX with MTBE analysis.


Project name: CWAS  
Project location: 2345 E. 14th St.  
Project number: 267091796

Date sampled: Sep 17, 1996  
Date extracted: Sep 17-18, 1996

Date submitted: Sep 17, 1996  
Date analyzed: Sep 17-18, 1996

RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	MTBE (ug/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylene (ug/Kg)
STK-21A,B,C,D	90	N.D.	120	84	190	320
STK-24A,B,C,D	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	94.4%	---	86.6%	97.1%	101.3%	96.6%
Detection limit	1.0	5.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	8020	8020	8020	8020	8020

  
David Duong  
Laboratory Director



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2821 Whipple Rd., Union City, CA 94587-1233

(510) 429-8088 ■ (800) 523-8088 ■ Fax (510) 429-8089

LAB: Priority Env  
TURNAROUND: 24 hr  
P.O. #: 1338

### CHAIN OF CUSTODY

PAGE 1 OF 1

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS
267091796		CWAS 2315 E 14th Street					TOTAL LIGHT HC	AROMATIC HC (BTL)	TOTAL HEAVY HC	OIL & GREASE	VOC SCAN (24 @)	OTHER		
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER														
2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088														
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION									
STK-24A	9/17	1020	X		1.5	BOSS	X	X						Composite into 1 sample
STK-24B	9/17	1020			1.5		X	X						
STK-24C	9/17	1020			1.5		X	X						
STK-24D	9/17	1020			1.5		X	X						
STK-24A	9/17	1025			1.0		X	X						Composite into 1 sample
STK-24B	9/17	1025			1.0		X	X						
STK-24C	9/17	1025			1.0		X	X						
STK-24D	9/17	1025			1.0		X	X						
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
<i>Joe Huckins</i>				<i>W. Lam</i>										
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
		9/17/15		THOMAS LAM										
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks						
				<i>PEL</i>										

DATE: \_\_\_\_\_



# PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

October 09, 1996

PEL # 9610009

TANK PROTECT ENGINEERING , INC.

Attn: Lee Huckins

Re: Ten soil samples for Gasoline/BTEX with MTBE analysis.

Project name: Credit World Auto Sale

Project location: 2345 E. 14th St.

Project number: 267100496

Project location: 9770 Monterey Rd., - Coyote, CA.

Date sampled: Oct 04, 1996

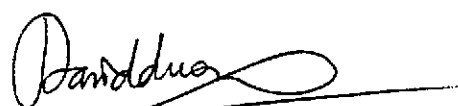
Date submitted: Oct 07, 1996

Date extracted: Oct 07-09, 1996

Date analyzed: Oct 07-09, 1996

### RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	MTBE (ug/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylene (ug/Kg)
VSP-30A	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VSP-31B	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VSP-32C	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VSP-33D	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VSP-34A	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VSP-35B	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VSP-36A	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VSP-37B	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VSP-38C	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
VSP-39D	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Blank Spiked	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Recovery	105.6%	---	87.5%	101.7%	101.7%	105.9%
Detection limit	1.0	5.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	8020	8020	8020	8020	8020

  
 David Duong  
 Laboratory Director



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LAB: Priority Env

TURNAROUND: \_\_\_\_\_

P.O. #: 1357

PAGE 1 OF 2

### CHAIN OF CUSTODY

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CON- TAINER	ANALYTES REQUESTED							REMARKS
267100496		Creditworld Auto Sales 2345 E 14th					TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	VOC SCAN (624's)	OTHER		
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER														
Lee Huckins 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088														
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION									
VSP-30A	10/4	1249	X		1.0-1.5	Brass	X	X					include MTBE	
VSP-31B	10/4	1252	X		1.5-2.0		X	X						
VSP-32C	10/4	1255	X		2.0-2.5		X	X						
VSP-33D	10/4	1258	X		1.0-1.5		X	X						
VSP-34A	10/4	1300	X		1.5-2.0		X	X						
VSP-35B	10/4	1308	X		2.0-2.5		X	X						
VSP-36A	10/4	1312	X		1.5-2.0		X	X						
VSP-37B	10/4	1315	X		1.5-2.0		X	X						
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
Joe Huckins		10-7-96 15:05		[Signature]										
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks						
		10/7/96 15:06		DEL										

DATE: \_\_\_\_\_



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2821 Whipple Rd., Union City, CA 94587-1233

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LAB: Priority Env

TURNAROUND:     

P.O. #: 1357

PAGE 2 OF 2

### CHAIN OF CUSTODY

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CON- TAINER	ANALYTES REQUESTED							REMARKS					
267100496		Credit World Auto Sales 2345 E 14 <sup>th</sup> St					TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	PCC SCAN (624's)	OTHER							
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER																			
Lee Huckins 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088																			
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION														
VSP-38C	10/4	1324	X		1.5-2.0	Brass	X	X										Include MTRSE	
VSP-37D	10/4	1326	X		1.5-2.0	Brass	X	X										↓	
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)									
Lee Huckins		10-7-96/15:05		[Signature]															
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)									
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks											
		10/7/96/15:07		PEL															

DATE: \_\_\_\_\_