



**DRAFT 1
AA/DEIS/DEIR GEOTECHNICAL
ASSESSMENT AND ENVIRONMENTAL
ANALYSIS**

**Los Angeles Metro Red Line/Eastern Extension
Corridor Study Area, Segment 3/MOS-3**

PREPARED FOR

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CCW Project No. 90-31-328-01

July 17, 1992

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**Subject: DRAFT AA/DEIS/DEIR GEOTECHNICAL ASSESSMENT
AND ENVIRONMENTAL ANALYSIS**
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Area, Segment 3/MOS-3
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We are pleased to transmit this report which presents the findings of our geotechnical assessment and environmental analysis for the AA/DEIS/DEIR phase of the Los Angeles Metro Red Line/Eastern Extension Corridor Study Area (EEC). Preliminary assessment of the geologic and geotechnical engineering design considerations for the EEC was completed through review of geotechnical documents, interpretation of aerial photographs, field reconnaissance and data analysis. Environmental analysis for the proposed alternative alignments of the EEC was completed through limited reconnaissance of the alternatives, review of regulatory lists for known or potentially contaminated sites, review of aerial photographs and data analysis. This work was performed in accordance with our proposal dated May 21, 1991 and LACTC Contract No's. R86-D8602-A and R8G-D8602-A.

The report is divided into two sections; section 1 contains the geotechnical assessment and section 2 contains the environmental analysis. A single Executive Summary has been completed for the two sections. Appendices for both sections are combined sequentially in their order of appearance. Illustrations, tables and drawings are located as indicated on the following Table of Contents and List of Illustrations and Tables. Separate conclusionary sections were prepared for this report.

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We appreciate this opportunity to be of service. We would be pleased to meet with you and discuss any questions or comments you may have.

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EXECUTIVE SUMMARY

A geotechnical assessment and environmental analysis were performed for the Metro Red Line Eastern Extension Corridor (EEC). The corridor is located in north central Los Angeles, east of the downtown civic center. The purpose of the investigation was to gather and evaluate existing data to develop a geotechnical and environmental setting for the EEC area and identify potential fatal flaws. The investigation included an extensive literature and regulatory list review supplemented by reconnaissance field observations. Based on this work, no fatal flaws were identified. Construction of the Metro Red Line along any of the currently proposed alignments in the Eastern Extension Corridor is feasible from a geotechnical and environmental standpoint. Geotechnical and environmental conditions exist; however, that could complicate tunnel or station construction. Existing data are insufficient to characterize these conditions with respect to specific alignments. Additional alignment-specific investigations are required. Conclusions regarding individual geotechnical and environmental conditions follow.

GEOTECHNICAL ASSESSMENT

Tunneling conditions for the Brooklyn Avenue alignments west of Soto Street will include relatively shallow groundwater and bedrock. Materials that are likely to be encountered include unconsolidated alluvium, bedrock, and mixed face conditions. East of Soto Street no subsurface information is available. Whittier Boulevard alignments west of Euclid Avenue will also encounter shallow groundwater and bedrock. The majority of tunneling will probably be in bouldery alluvium close to the bedrock contact. Some mixed face and bedrock conditions may also be encountered. East of Euclid depth to groundwater increases to around 150'; depth to bedrock information is lacking. In the Union Station/Yard Station area, groundwater is shallow and tunneling will probably be in unconsolidated, bouldery alluvium. However, depth to bedrock information is lacking.

The Union Station and Boyle Heights Oil Fields underlie the west and central portions of the EEC. Boyle Heights Field was abandoned in 1973, Union Station is apparently still in production. Borings near Union Station encountered relatively shallow ($\pm 40'$) natural gas and minor oil in bedrock and alluvium. The continuity and lateral extent of the shallow oil and gas is not known. There is a high probability of encountering shallow gas, and to a lesser extent, oil along any or all of the currently proposed alignments in the EEC. It is possible that unrecorded abandoned oil wells exist along any or all of the proposed alignments. No ground subsidence from oil production has been recognized at either field. No loss of oil resources is expected from construction of the Red Line extension along any of the alignments.

Depth to groundwater below the EEC is variable. West of Euclid Avenue groundwater

is shallow - around 30 feet below ground surface. East of Euclid Avenue depth to groundwater increases to around 150 feet or more. Alluvium underlying the EEC can store and yield large volumes of groundwater. The water-bearing characteristics of the underlying bedrock are unknown, but primary and secondary permeabilities are probably low. Laboratory analyses of groundwater samples collected near Union Station indicate that groundwater quality is generally poor compared to drinking water standards. Local extreme concentrations of sulfate, sulfide, and chloride were interpreted as contamination by oil field brine. Low levels of petroleum hydrocarbons have also been detected locally. In areas where the proposed tunnel elevation lies below local water tables dewatering may be required. Dewatering may also be required at some proposed station sites. Dewatering operations where effluent is discharged into a public storm drain or sewer will require a National Pollution Discharge Elimination System (NPDES) permit. Treatment of the effluent may be necessary. Ground subsidence associated with construction dewatering is expected to be insignificant, however site specific investigations should be performed.

Construction of the Red Line extension in the EEC is not expected to significantly impact surface water runoff, erosion, or sedimentation. Portions of the EEC adjacent to the LA River lie within 100, 200, and 500 year floodplains. Floodplain areas are susceptible to flooding during extreme storm events.

The maximum credible earthquake (MCE) for the EEC is a Richter magnitude 6.8 event on the Elysian Park Thrust fault located below the site. Maximum peak ground acceleration generated during the MCE would be about 70% gravity accompanied by strong ground shaking of 23 to 27 seconds. The expected maximum probable ground acceleration is about 32% gravity. The site lies within a UBC seismic zone 4 with an assigned "Z" factor of 0.40.

The potential for damage to due to earthquake induced seiches, flooding, and landslides is considered very low. The potential for damage due to surface fault rupture and differential compaction is considered low. Analysis of regional data suggests that some areas of the EEC may be susceptible to liquefaction during an earthquake. The potential for liquefaction for the EEC as a whole is considered moderate to low. Site specific investigation is required.

ENVIRONMENTAL ANALYSIS

Converse Environmental West's (CEW) investigation documented the environmental conditions along alternative alignments in the eastern extension corridor. The methods of investigation consisted of field reconnaissance of the main thoroughfares most closely approximating the proposed alternative alignments; a review of available published regulatory agency lists/documents of known contaminated sites and a site history review through aerial photographs.

During the CEW field reconnaissance, it was observed that the general land use of the eastern extension corridor consisted of the following: industrial/warehouse, commercial/retail and residential. A total of 266 locations were identified as having a high, moderate, or low potential for environmental impact and pre-existing hazardous waste. However, specific locations could not definitively, or conclusively, be considered a pre-existing hazardous waste site based solely on field observations and the type of operation. Further investigation, review of regulatory agency documents and field testing is required to ascertain this.

Three CERCLIS sites, one BEP site, and twenty-one LUST sites were found to be located within 500 feet of either side of the various alternative alignments.

Historical information indicates the portion of the eastern extension corridor located between Boyle Avenue and Atlantic Boulevard has been a mixture of residential and commercial/retail operations as early as 1928. Gasoline stations/auto repair facilities in this area were first observed in aerial photographs dated as early as 1943. According to aerial photographs dated 1928, a portion of the eastern extension corridor located west of Boyle Avenue has been utilized primarily for industrial/warehouse operations. Items of environmental significance observed in aerial photographs include numerous aboveground storage tanks west of the Los Angeles River between Macy and 1st Streets (1928), north of Macy Street in the area currently occupied by the Los Angeles County jail (1945), and in the general area of 6th Street and Santa Fe Avenue (1946). Also observed were what appeared to be auto wrecking yards in the general area bounded by Alameda Street, 4th Street, Palmetto Street, and Santa Fe Avenue (1945).

1.0 SITE LOCATION

The Eastern Extension Corridor (EEC) is a rectangular area of approximately 6.3 square miles located immediately east of the downtown civic center in north central Los Angeles. The EEC is bounded on the west and east by Santa Fe Avenue and Atlantic Boulevard, and on the north and south by Brooklyn Avenue and Whittier Boulevard (Figure 1). The area is completely developed and includes residential, commercial, and light industrial districts. Five major freeways cross through or close to the site.

2.0 SCOPE OF WORK

The scope of work for the geotechnical assessment included:

- Research and review of published and unpublished reports and documents that makeup a geotechnical database for the EEC area.
- Interpretation and analysis of stereo-paired and oblique aerial photographs dating back to the late 1920's.
- Geologic field reconnaissance to observe existing exposures and ground check the results of the literature and aerial photo reviews.
- Development of a geologic setting for the EEC and preliminary analysis of geotechnical engineering parameters and tunneling conditions including:
 - Distribution of soil and bedrock
 - Depth to groundwater
 - Distribution of Methane gas
 - Potential for liquefaction
 - Preliminary seismicity
- Preparation of this report and accompanying illustrations.

3.0 GEOTECHNICAL DATABASE

A geotechnical database was compiled of published and unpublished reports and documents specific to the EEC area. The information was collected from a variety of



**APPROXIMATE
BOUNDARIES of the
EASTERN EXTENSION
CORRIDOR STUDY AREA**

SITE LOCATION MAP

**LOS ANGELES METRO RAIL/EASTERN EXTENSION
Corridor Study Area
for: Los Angeles County Transportation Commission**

Project No.
90-31-328-01

REFERENCE:
Portion of USGS Los Angeles 7.5-minute
Topographic Quadrangle, 1986, Photorevised 1981

 **Converse Consultants West**

Figure No.
1

federal, state, and local agencies, nearby universities and private consulting firms. Sources included the United States Geological Survey, The California Divisions of Mines and Geology and Oil and Gas, the Los Angeles County Department of Public Works divisions of Building and Safety and Flood Control, the University of California campuses at Los Angeles and Santa Barbara, and Whittier College, among others.

In addition we have compiled and reviewed an extensive collection of stereo-paired and oblique aerial photographs dating from the late 1920's. A complete list of the reports, documents, and aerial photos contained in the database is attached as references.

Over 100 reports and documents have been reviewed and analyzed. Many of these reports documented the results of subsurface exploration. The majority of the existing subsurface information is centered around the union station area, and much of it consists of relatively shallow (<40 feet deep) borings excavated for Union Station Design Unit A135. Moving east along Whittier Boulevard or Brooklyn Avenue subsurface data is scarce. The locations of the documented subsurface explorations are shown on Drawings 1-4. Information from each boring is summarized in table form in Appendix A.

4.0 REGIONAL GEOLOGIC SETTING

The Los Angeles basin is an elongate northwest-trending alluviated coastal plain bounded on the north by the Santa Monica Mountains and the Elysian, Repetto, and Puente Hills and on the east and southeast by the Santa Ana Mountains and San Joaquin Hills (Yerkes, et al, 1965). The lowland plain slopes gently south or seaward and is interrupted by a line of low hills and mesas extending from Newport Bay northwest to Beverly Hills. The basin is underlain by a major structural depression that has seen nearly continuous marine deposition since the middle Miocene (Lamar, 1970). The basin is notable for its great structural relief and complexity and for prolific oil production (Johnson, 1966; Yerkes, et al, 1965).

Faulting in the basin is dominated by two major, convergent systems: 1) Northwest-trending, high angle strike slip faults associated with the northern terminus of the Peninsular ranges, and 2) East-trending, low angle reverse or reverse-oblique faults associated with the transverse ranges (Yerkes, et al., 1965; Davis, et al., 1989; Crook, et al., 1987). Both are Quaternary systems, and both have at least one fault zone with recorded historic activity (Jennings, 1975; Ziony and Jones, 1989; Hauksson and Jones, 1989).

5.0 SITE GEOLOGY

The EEC is located in the north central portion of the Los Angeles basin. It is bounded on the west by the Los Angeles River and to the north by the Repetto Hills. The approximate south and east boundaries are Whittier and Atlantic Boulevards. The Repetto Hills are a low lying bedrock ridge composed of siltstone, and conglomerate assigned to the Fernando Formation (Lamar, 1970). Near the LA River, the hills are capped by a thin veneer of terrace deposits. South of the hills bedrock is overlain by a variable thickness of alluvium in some areas greater than 200 feet thick. Artificial fill of variable thickness and quality may be present locally. The areal distribution of materials is shown on Drawings 1-4. Geologic profiles along several of the alignments are shown on Drawings 5 and 6. Following is a brief discussion of the geologic materials.

5.1 STRATIGRAPHY

5.1.1 Terrace Deposits

Terrace deposits overlie bedrock in the Repetto Hills adjacent to the LA River. The deposits consist of stratified, brown to reddish-brown cobbles, boulders, and sandy layers. They are lithologically similar to conglomerate of the Fernando Formation mapped near East LA College (Lamar, 1970). The thickness of the unit is not known, but probably varies from several feet to ten's of feet. The terrace deposits are Pleistocene to Holocene in age.

5.1.2 Alluvium

Alluvium covers the lowland area south of the Repetto Hills. Dissected older alluvium is differentiated from more recent flood plain deposits along the LA River and smaller arroyos. In general, the alluvium consists of unconsolidated sands and gravelly sands with a basal boulder zone overlying bedrock. The boulder zone is typically 10-15 feet thick and consists of boulders up to 2 or 3 feet in diameter in a matrix of sands and gravels (Converse Consultants, 1983). Locally, thin lenses of clay or silt may be encountered. The thickness of the alluvium is variable (see geologic profiles). The alluvium is Pleistocene to Holocene in age.

5.1.3 Fernando Formation

The Fernando Formation, as exposed in the nearby Repetto Hills, consists of thin lenticular conglomerate and massive to poorly bedded siltstone or mudstone. Boring logs in the general EEC area indicate bedrock is primarily shale and siltstone. "Blue Clay" bedrock(?) is common in drillers logs for LACFCD water wells. Little to no information is available on thickness of beds or jointing characteristics. The Fernando Formation is assigned a Pliocene age based on fossil assemblages (Lamar, 1970; Yerkes et al., 1965).

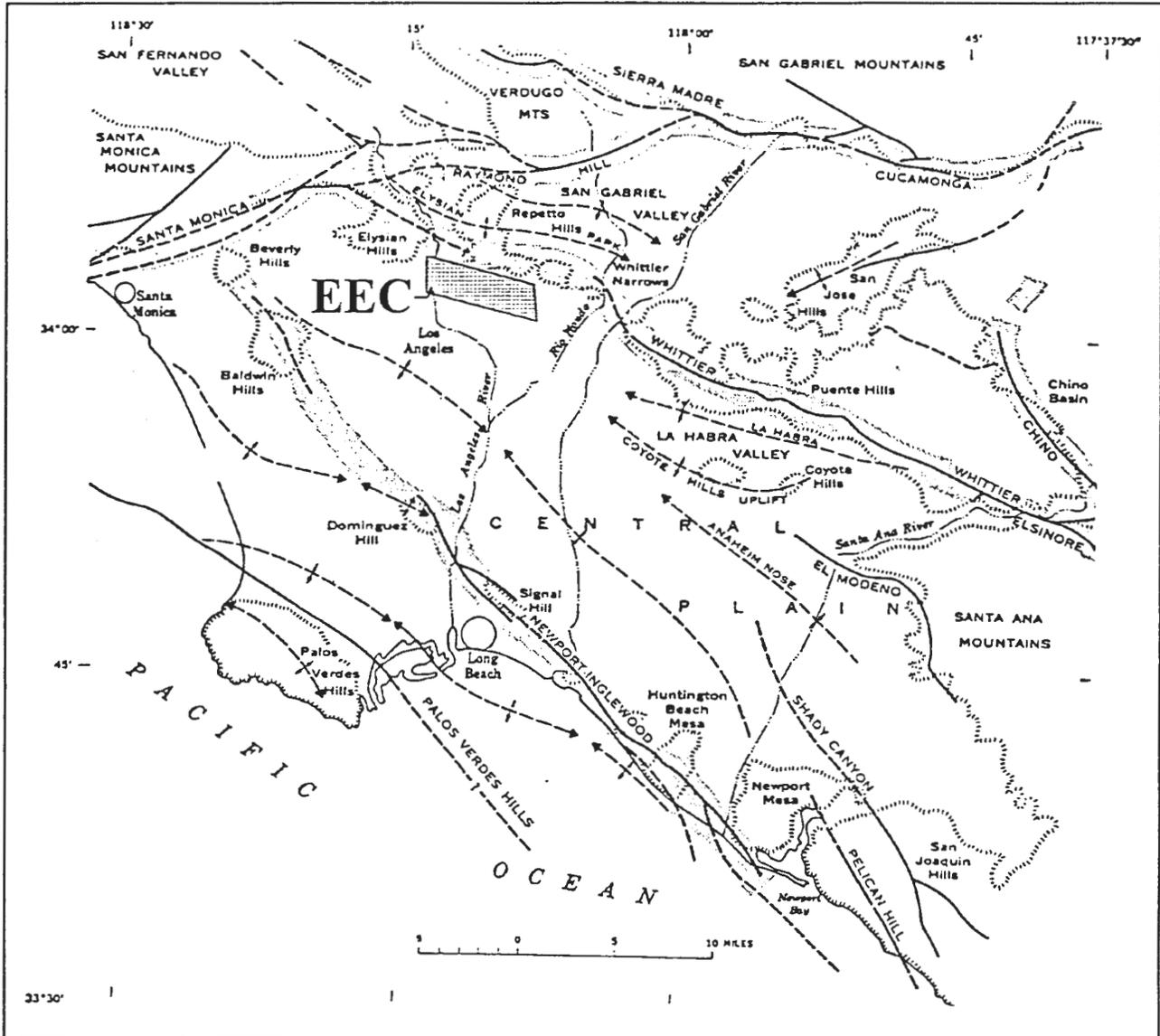


Figure 2. Major structural features of the Los Angeles Basin (modified after Yerkes, et al., 1965). EEC = Eastern Extension Corridor.

5.2 STRUCTURE

Bedrock structure in the area of the EEC is dominated by the Elysian Park Anticline (Figure 2). The anticline is a northwest trending zone of folding and bedrock faulting underlying the Elysian, Repetto, and Puente Hills. The EEC is situated on the extreme south limb of the exposed zone. Surface attitudes combined with deep borings drilled for oil exploration suggest that bedrock underlying the EEC has been folded into two west trending folds. A syncline is located just north of Brooklyn Avenue and the Boyle Heights Anticline is located between Brooklyn and Whittier Boulevard (DWR,

1961; Lamar, 1970). These folds are the structural traps that form the Boyle Heights, Union Station, and Los Angeles Downtown oil fields (Johnson, 1966; Lamar, 1970; Dibblee, 1989). Recent work by several investigators suggest that the zone of folding and faulting associated with the Elysian Park Anticline is the surface expression of an active, west trending, blind thrust fault that lies at depth below and north of the EEC (Davis and Hayden, 1987; Davis et al., 1989; Namson and Davis, 1988; Hauksson and Jones, 1989; Hauksson and Saldivar, 1989). The fault has been named the Elysian Park Thrust, and together with the zone of folding, the Elysian Park Fold and Thrust Belt. This feature will be discussed in greater detail in following sections.

6.0 NATURAL OIL AND GAS

In relation to its area, the Los Angeles basin is the most prolific of California's oil-producing districts and it is one of the most prolific in the world (Yerkes, et al., 1965). Two of the basins oil fields underlie the EEC - the Union Station and Boyle Heights Fields (Drawing 1). The fields were discovered in 1967 and 1955 respectively. Boyle Heights Field was abandoned in 1973; Union Station Field is apparently still in production (CDOG, 1991). The two fields are similar in many respects. They are relatively small, both in geographic extent and in total production; they tap the same reservoir zones; and they produce both oil and gas. Figure 3 is a typical cross section through the Boyle Heights Field.

The producing zones are located between 3500 and 5000 feet below ground surface in sandstone and interbedded shale of the Upper Miocene Puente Formation (Johnson, 1966; CDOG, 1991). Cumulative production for the Boyle Heights Field between 1955 and 1973 was 273,000 bbl of oil and 113,000 Mcf of gas. Peak production for the Union Station Oil Field in 1969 was 263,170 bbl of oil and 919,000 Mcf of gas (CDOG, 1991). The fields were discovered after the California Division of Oil and Gas began collecting and maintaining records and developed regulations regarding well locations and abandonment procedures. However it is possible that unrecorded abandoned wells may be located along any or all of the proposed alignments. No ground subsidence associated with oil production has been recognized at either field. No loss of oil resources is expected from construction of the Red Line extension along any of the proposed alignments in the EEC.

6.1 SHALLOW OIL AND GAS AROUND UNION STATION

Several borings drilled around the Union Station area encountered relatively shallow (~40 feet deep) gas and minor oil in both bedrock and alluvium (see the geologic profiles and Appendix A). High volume discharges of a mixture of hydrogen sulfide gas and hydrocarbons including methane caused discharge flow measurement

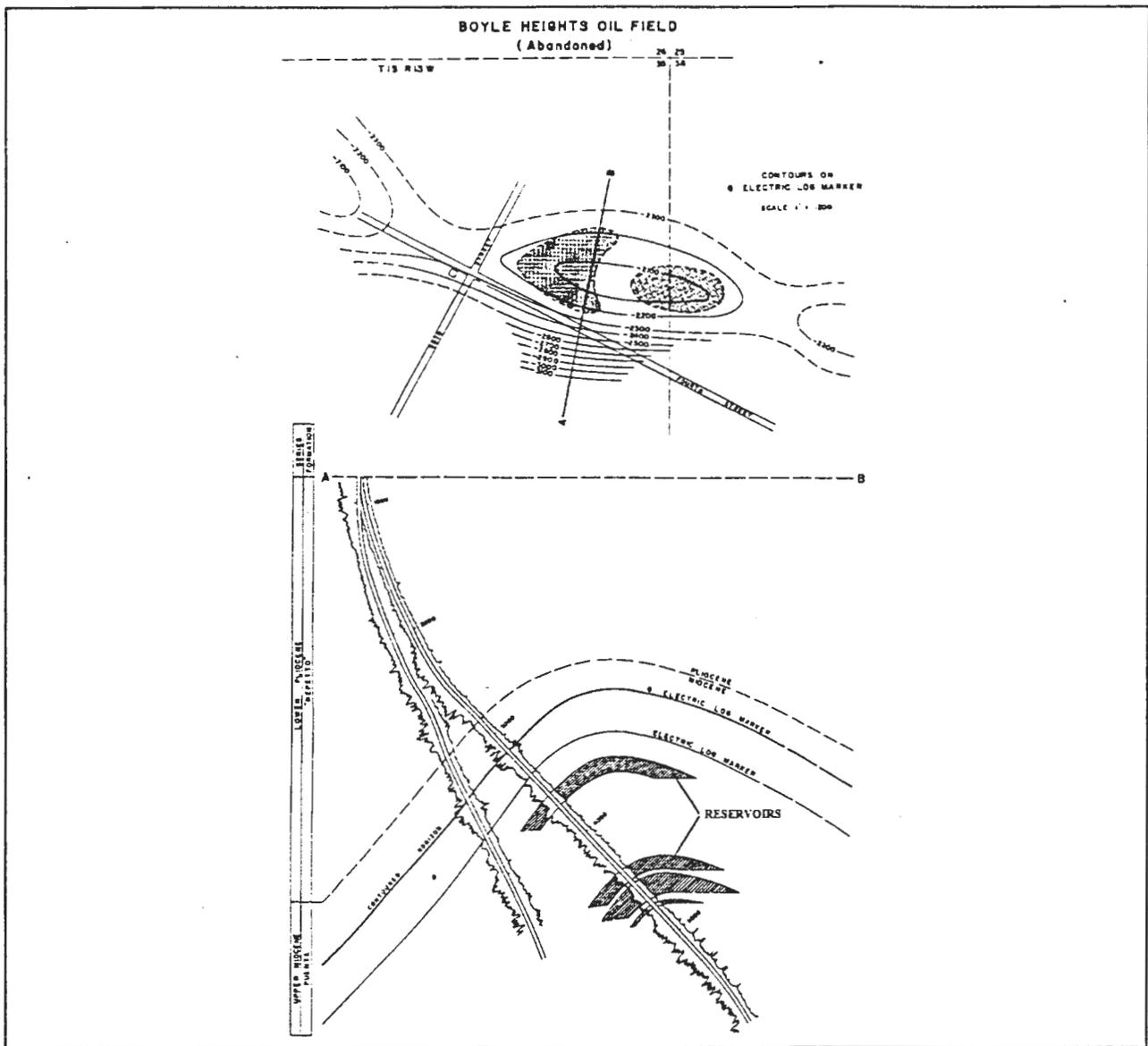


Figure 3. Typical cross section through Boyle Heights Oil Field (modified after CDOG, 1991). "Repetto" is equivalent to the Fernando Fm. Note depth adjacent to well log.

problems during a pump test performed in a well located near the intersection of Alameda and Macy Streets (Converse Consultants, 1983). Gas chromatograms recorded below 37 feet in Boring 4 (Appendix A & Drawing 1) indicated 100 ppm methane and 500 ppm ethane resulting in a classification below the lower explosive limit (Converse Consultants, 1983). The continuity and geographic extent of shallow oil and gas in the EEC area is not known. Shallow oil and gas are relatively common in the northern LA basin (La Brea Tar Pits, 1985 Fairfax area explosion, etc.) and portions of the EEC are located over known producing oil fields. Therefore, there is a high probability of encountering shallow gas and possibly oil along any or all of the currently proposed alignments in the EEC.

7.0 GROUNDWATER

The EEC lies within the Los Angeles and Montebello Forebay regions of the Central Groundwater Basin (DWR, 1961). The forebay regions are recharge areas where infiltration of surface water can occur. Urban development has probably reduced the amount of recharge the forebay regions provide. Alluvium is the primary source for groundwater in the forebay region, although it is also known to occur in the underlying bedrock. The concrete lined Los Angeles River is the only major surface drainage in the EEC. It cuts through just west of union station (see Figure 1).

Table 1. Groundwater elevations and depth below ground surface for 25 borings in the EEC area (see Drawings 1-4 for boring locations).

BORING NO	GROUNDWATER ELEVATION	DEPTH BELOW GROUND SURFACE	YEAR OF MEASUREMENT
2	251.5	31.5	1942
3	252.1	30.9	1942
5	247	32	1983
6	257	23	1983
7	259	22	1983
8	259	22	1983
9	249.2	31.8	1981
10	245	34	1984
16	215.4	52.6	1975
47	256	61	1955
53	316	26	1971
54	310	34	1971
58	264	22	1967
63	---	26	1964
77	44	156	1990
79	24	187	1983
80	10	201	1979
82	39	158	1991
84	13	184	1991
85	-12	202	1980
86	39	164	1991
87	35	193	1991
88	25	203	1967
89	29	219	1991
93	66	190	1991

Depth to groundwater information was obtained at 25 separate locations around the EEC. The majority of the data is concentrated around the Union Station area. Groundwater data becomes scarce moving east from the LA River, Drawings 5 and 6 show the interpreted groundwater levels along several of the proposed alignments. Groundwater elevations reported for the 25 borings are presented in Table 1. It should be noted that groundwater levels are subject to seasonal and long term fluctuations and some of the levels reported here were recorded as much as 50 years ago.

7.1 HYDRAULIC CHARACTERISTICS

7.1.1 Alluvium

Pleistocene to Holocene alluvium contains the most productive water-bearing beds in the EEC area. Lenticular beds of permeable sand, gravel, and cobbles are locally interbedded with impermeable beds of silt or clay. Locally, groundwater may be perched or under confinement. Generally, however, alluvial aquifers are hydraulically connected to the surface and unconfined (DWR, 1961). Results of pumping tests reported by the state Department of Water Resources (DWR, 1961) and Converse Consultants (CCW, 1983) are given in Table 2. These tests were located outside the EEC area, but are considered representative of the alluvial aquifers underlying the EEC.

Table 2. Hydraulic characteristics of alluvial aquifers measured near the EEC area.

OBSERVATION WELL	PUMPING WELL	DATE OF TEST	TYPE OF TEST	TRANS-MISSIVITY gal/day/ft	EST HORIZ PERMEABILITY gal/day/sq ft	STORAGE COEF
---	2S/11W-7J2	4/5/57	REC	130,000	575	---
---	2S/11W-8N1	4/5/57	REC	53,000	246	---
2S/11W-18K2*	2S/11W-18Q4	8/12/59	DRAW	410,000	2,830	0.0017
2S/11W-18P2	2S/11W-18Q2	2/24/59	DRAW	690,000	3,300	0.0023
2S/11W-18Q4	2S/11W-18Q2	2/24/59	DRAW	190,000	1,195	0.00029
MACY & ALAMEDA**	MACY & ALAMEDA	3/24/83	DRAW	15,627-41,927	260-699	0.27-0.022

* USGS and DWR well numbering system.

** Converse Consultants pump test reported in geotechnical investigation for Union Station Design Unit A135. All other test by Department of Water Resources.

7.1.2 Fernando Formation

Not much is known about the water-bearing characteristics of the Fernando Formation. The rock consists of massive to crudely bedded sand/gravel conglomerate and siltstone or mudstone. Locally, it is well indurated. The rock is folded, with many minor faults and fractures. The primary permeability is probably low to moderate. The secondary permeability is unknown, but doubtless decreases with depth. A drainage well built in 1959 that penetrates these rocks, reportedly yields fair quantities of good quality water (DWR, 1961).

7.2 GROUNDWATER QUALITY

Laboratory analyses of groundwater samples collected in the Union Station area between 1983 and 1991 indicate that water quality is generally poor compared to drinking water standards. Many samples were reported with a "rotten-egg" odor indicative of hydrogen sulfide gas. Concentrations of chemical constituents including sulfate, sulfide, and chloride were widely variable and site dependent. Local extreme concentrations were interpreted as contamination by oil field brine (Converse Consultants, 1983).

Low levels of petroleum hydrocarbons were detected in many samples from the same general area (Converse Consultants, 1992; Earth Technology, 1986, 1987a,b). However, no evidence of contamination by chlorinated solvents or organic priority pollutants was detected (Earth Technology, 1986, 1987a,b).

Little or no groundwater quality data is available for EEC areas east of Union Station (see section 2 for additional discussion).

8.0 SURFACE WATER

The area of the EEC is almost entirely developed. The ground surface is extensively paved and surface water runoff is collected by a storm drain system. Erosion and sedimentation are controlled by a regional network of debris basins and stabilization structures located in the hills around the circumference of the basin. Construction of the Red Line extension in the EEC is not expected to significantly impact surface water runoff, erosion or sedimentation.

8.1 FLOODING

Portions of the EEC adjacent to the LA River, lie within the 100, 200, and 500 year flood plains as defined by the U.S. Army Corps of Engineers (Figure 4). In the Los Angeles County Drainage Report prepared in 1991, the Corps of Engineers concluded

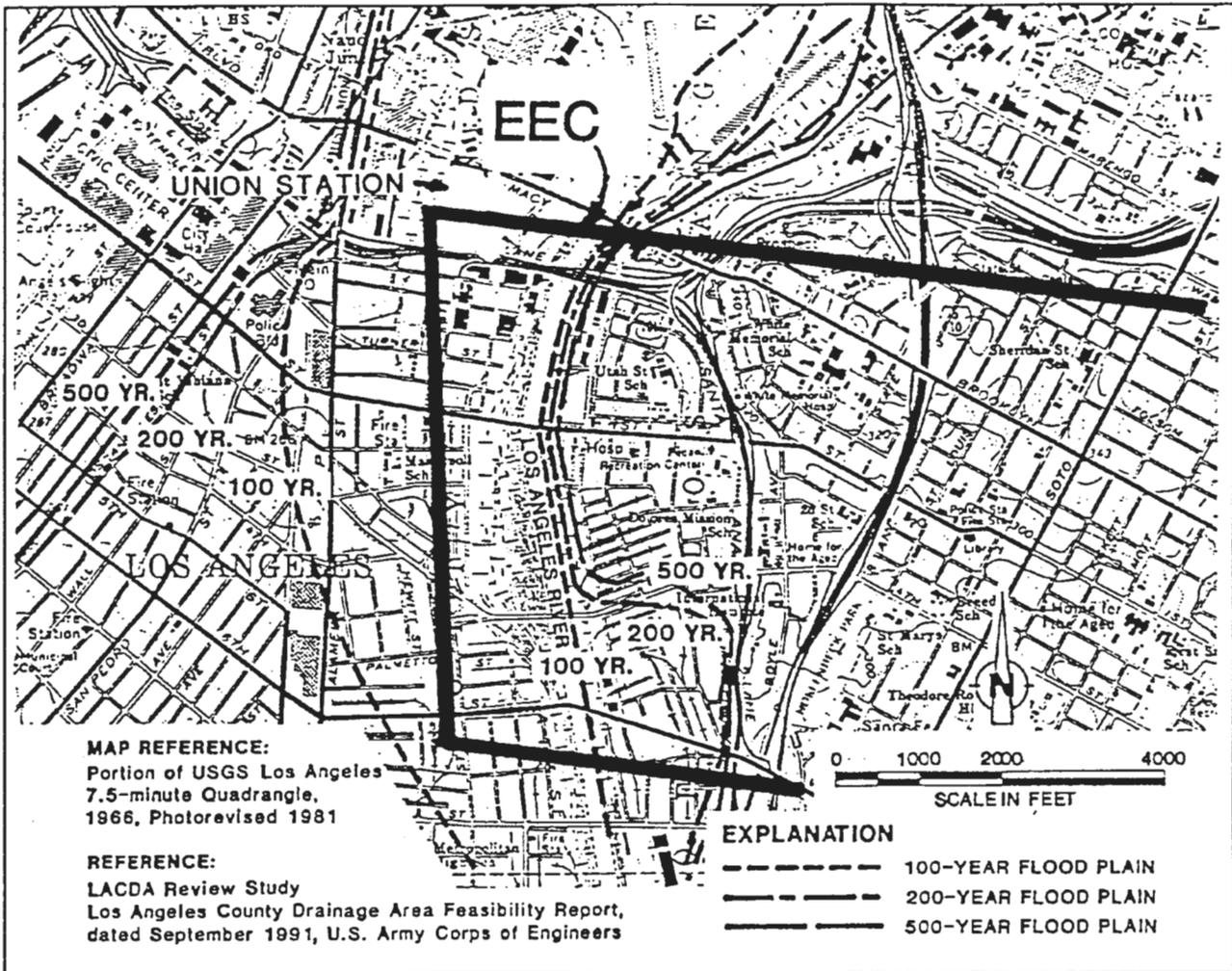


Figure 4. Map showing EEC areas within Los Angeles River floodplains (modified after CCW, 1992).

that a 100 year flood event would break out in an area between the Pasadena Freeway and the Santa Monica Freeway causing major traffic congestion and property damage. A 500 year event would break out in the same general area, and flow across much of central Los Angeles before returning to the flood control channels downstream (U.S. Army Corps of Engineers, 1991).

9.0 SEISMICITY

The Los Angeles Basin is situated at the boundary of two convergent crustal plates—the Pacific and North American. The relative motion of the two plates produces north-south compression and nearly continuous deformation along the boundary. The deformation is expressed by a complex grid of seismically active faults that define two major systems: 1) Northwest-trending high angle strike slip faults of the San Andreas system projecting from the northern terminus of the Peninsular Ranges, and 2) East-

trending low angle reverse or reverse-oblique faults bounding the south margin of the Transverse Ranges (Ziony and Jones, 1989; Yerkes, 1965).

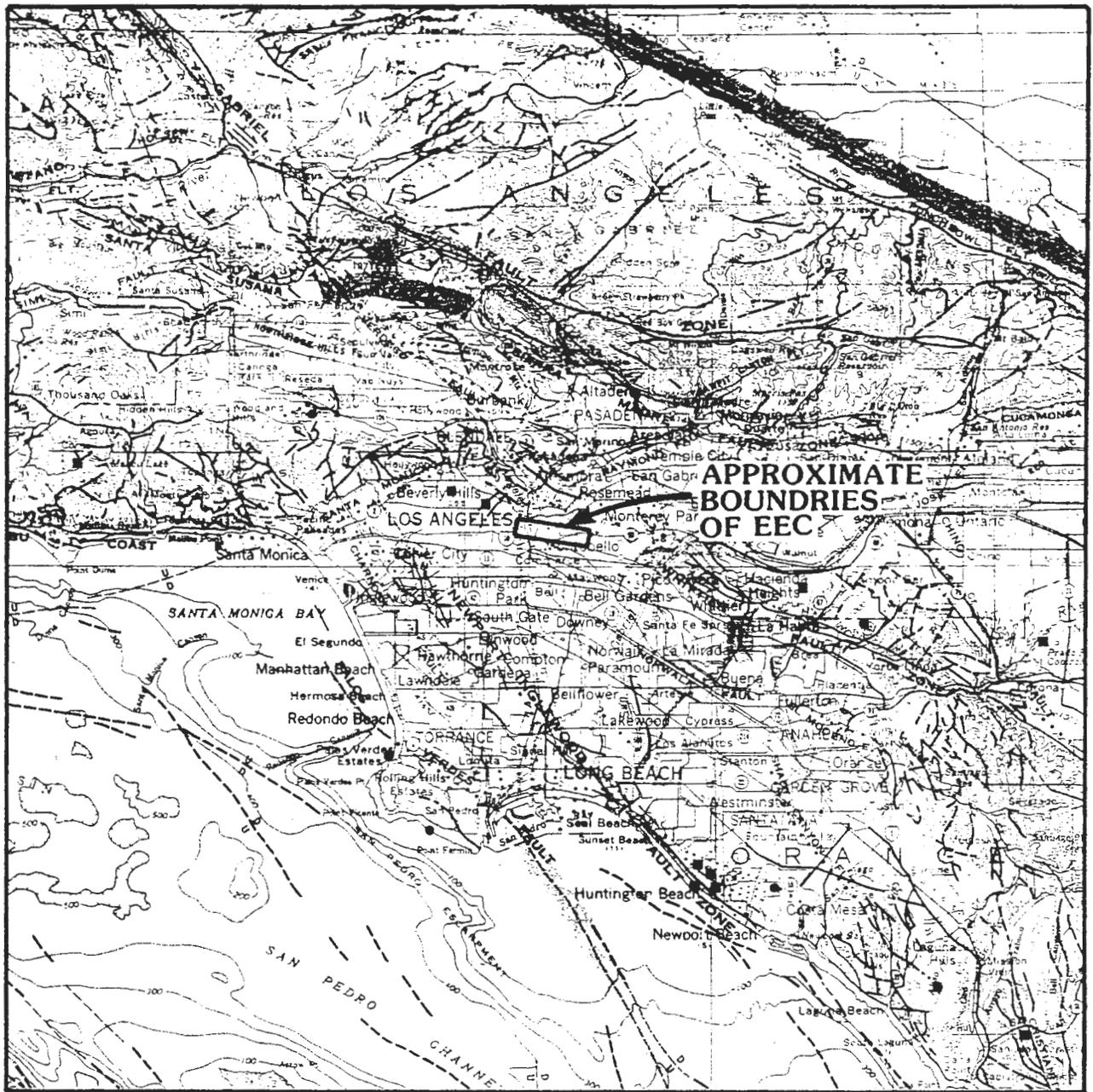
Faults in group one include the Palos Verdes, Newport-Inglewood, and the Whittier-Elsinore fault zones. Group two faults include the Malibu-Santa Monica, Hollywood, and Sierra Madre fault zones. Since 1800, faults in these two systems have produced more than 40 damaging earthquakes in southern California (Ziony, 1985). Average rates of late Quaternary slip along these faults provide an index of their relative activity. The San Andreas fault has a slip rate of several millimeters per year, but most other faults have rates of about 1 mm/yr or less (Wesnousky, 1986; Ziony, 1985). Details concerning late Quaternary slip rates on most major faults are poorly known, partly because these faults often splay into a broad zone of discontinuous segments as they approach the earth's surface. Also, our historical data base (roughly 150 yrs) is small compared to the Holocene (0-11,000 ybp) activity of these faults. Figure 5 shows the site location and major Quaternary faults of the Los Angeles Basin.

9.1 ELYSIAN PARK FOLD AND THRUST BELT

A growing body of geologic and seismologic data supplemented by regional structural interpretations suggest that Pliocene to modern deformation in the Los Angeles Basin is partly accommodated by a developing basement-involved fold and thrust belt (Davis, et al., 1989; Hauksson and Jones, 1989). The fold and thrust belt is expressed at the ground surface by elongate low-lying bedrock ridges protruding through the basin sediments. The bedrock ridges are underlain by northwest-trending anticlinoria developing as fault propagation folds. At the core of these folds are low-angle, blind thrust faults rising off a basal detachment surface. The regional detachment surface coincides with the observed base of seismicity at a depth 10-13 km (7-8 mi) below the basin (Hauksson, 1990).

The Elysian Park and Repetto Hills have recently been interpreted as a fault propagated fold associated with a seismically active blind thrust fault - the Elysian Park thrust - rising off the regional detachment surface (Davis, et al., 1989; Hauksson and Jones, 1989; Hauksson and Stein, 1989; Hauksson and Saldivar, 1989). The EEC is located at the south margin of the hills near the center of the newly designated Elysian Park Fold and Thrust Belt (Figure 6). The 1987 Whittier Narrows earthquake has been attributed to the Elysian Park thrust fault (Hauksson, 1990).

Details concerning the Elysian Park thrust are limited because the fault has no surface expression and has only recently been recognized. Because the fault is buried, it is not considered a hazard in terms of surface fault rupture. However, it can generate moderate to strong ground shaking as evidenced by the Whittier Narrows event. Based on retrodeformable cross sections, Davis calculates a cumulative slip of 10 km



EXPLANATION

RED = FAULTS WITH HISTORIC ACTIVITY (0-200 ybp)

*ORANGE = FAULTS WITH QUATERNARY ACTIVITY (<2,000,000 ybp)

BLACK = PRE-QUATERNARY

*MOST OF THE RECOGNIZED QUATERNARY FAULTS SHOWN ON THIS MAP HAVE PROBABLY BEEN ACTIVE WITHIN LATE QUATERNARY TIME (Within the last 300,000-500,000 years)

REFERENCE:

Jennings, C.W., 1975 Fault Map of California:
CDMG Geologic Data Map No. 1, 4th Printing, 1988



SCALE 1:750,000
(1 INCH EQUALS
APPROX. 12 MILES)

MAJOR QUATERNARY FAULTS OF THE LOS ANGELES BASIN



Converse Consultants West

Project No.

90-31-328-01

Figure No.

5

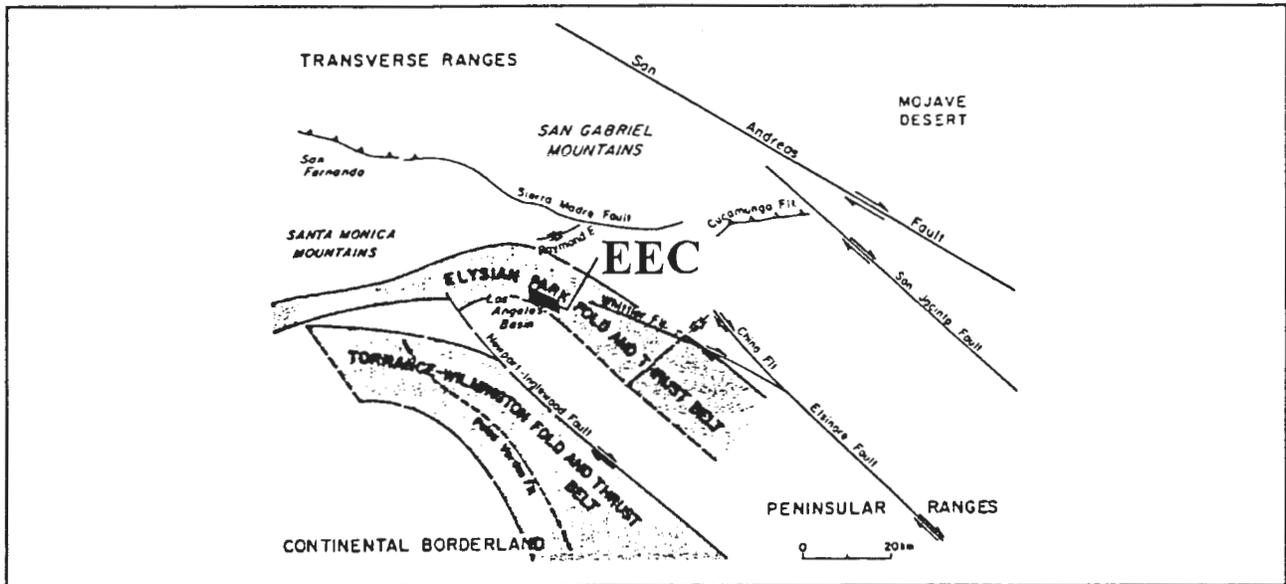


Figure 6. Schematic map of the Los Angeles Basin showing the Elysian Park Fold and Thrust Belt (shaded). Modified after Hauksson, 1989. EEC = Eastern Extension Corridor.

on the portion of the fault under the downtown area yielding a slip rate of 2.5-5.2 mm/yr (Davis, et al., 1989). However this requires a Whittier Narrows size event ($M \sim 5.9$) every 5.6-11.6 years, which is more frequent than the historic record. Davis concludes that the possibility of larger earthquakes ($6.0 < M < 7.5$) occurring somewhere in the fold and thrust belt should be considered. We assign a Richter magnitude 6.8 earthquake as the upper bound event on the buried Elysian Park Thrust fault.

10.0 MAXIMUM CREDIBLE EARTHQUAKES ON REGIONAL FAULTS

The term "maximum credible earthquake" is used to describe potential large-magnitude seismic events on regional faults. The maximum credible earthquake for a particular fault is the largest magnitude seismic event that can be postulated to occur based on existing geologic and seismologic evidence. The maximum credible earthquake may not include the maximum possible earthquake because the existing geologic data may be incomplete. The 1987 Whittier Narrows earthquake occurring on the Elysian Park thrust is a good example.

Maximum credible earthquake events for the nearest regional faults and the corresponding site ground motion characteristic are given in Table 3 and discussed below.

Maximum Peak Horizontal Ground Acceleration: Accelerations were estimated by selecting a central point within the EEC and assuming that maximum events ruptured

Table 3. Seismic characteristics of regional faults.

FAULT	SITE DIST ^a (mi).	FAULT LENGTH (mi)	MAX. CRED. EVENT (Richter Mag)	SLIP RATE (mm/yr)	MAX ^b . PEAK ACCEL. (g)	STRONG ^c GROUND SHAKING (sec)
Elysian Park	0	3 +	6.0 < M < 7.5 ^d ~ 6.8	2.5-5.2 ^d	~0.70	23-27
Raymond	~5.4	12	6.8	0.2	~0.46	21-25
Malibu-Sta. Monica	~6.7	39	7.5	0.4	~0.47	29-33
Whittier-Elsinore	~10	32	7.5	2.0	~0.40	27-31
Hollywood	~10	8	6.5	0.1	~0.36	15-19
Newport- Inglewood	~10	42	7.0	0.05	~0.35	23-27
S Madre- Pasadena	~12.5	12	7.0	3.0	~0.32	23-27
S Madre- La Canada	~13.5	8	7.0	3.0	~0.29	22-26
S Madre- Glendale	~15	16	7.0	3.0	~0.32	23-27
San Gabriel	~16.5	83	6.7	0.1	~0.24	15-19
Palos Verdes	~18.5	46	7.0	0.3	~0.23	21-25
S Madre - SanFernando	~18.5	13	7.0	0.3	~0.23	21-25
Cucamonga	~25	21	6.5	4.6	~0.13	10-14
Chino	~25.5	21	6.5	4.6	~0.13	10-14
San Andreas	~33	200	+8	6.0	~0.26	27-35

^a Average for EEC area.

^b For rock from Seed and Idriss, 1982.

^c From Bolt, 1977.

^d From Davis, et al., 1989.

each regional fault at the closest approach to that point. This represents an average value for the EEC area. The governing event for the site, in terms of acceleration, is a Richter magnitude 6.8 event on the Elysian Park Thrust with a peak ground acceleration of approximately 0.70g (70% gravity).

Maximum Peak Vertical Acceleration: Peak vertical accelerations may be assumed to be 2/3 of the horizontal amplitudes for probable level ground motions.

Duration of Strong Ground Shaking: The duration of strong ground motion for sites in the western United States generally increases with magnitude of the event and decreases with distance from the epicenter. The bracketed duration of strong ground motion for the 6.8 event on the Elysian Park Thrust would be about 23 to 27 seconds.

11.0 EARTHQUAKE DATA RECORDS

Three earthquake data records were assembled for review and analysis. Following is a brief description of the earthquake catalogs, their formulation and limitations. Our data search was limited to a circular area of 100 mi radius from the EEC.

11.1 INSTRUMENTAL EARTHQUAKE DATA RECORDS (1933-1991)

Instrumental earthquake data for 58 years from 1933 to 1991, was obtained from the comprehensive listing of the California Institute of Technology Seismological Laboratory. This data is complete and accurate and well suited for statistical analyses. It should be recognized that this 58 year record represents a very short time in Southern California geologic and seismic history.

11.2 NON INSTRUMENTAL EARTHQUAKE DATA (1800-1932)

Non instrumental earthquake data for 132 years, from 1800 to 1932, was obtained from Wood and Heck as revised by Eppley (1966). This catalog must be regarded as inaccurate and incomplete in two respects. First, many of the smaller, and probably several larger, earthquakes which have occurred are missing; second, maximum Modified Mercalli intensities were reported in lieu of instrumental measurements, and corresponding epicentral locations are very approximate. The main advantage of this catalog is that it represents a time span about 2¼ times as long as the 58 year instrumental catalog.

11.3 DIRECT GEOLOGIC EVIDENCE

A seismic fault model was developed assuming the occurrence of geologically credible earthquake events on regional faults at estimated recurrence intervals. The magnitude recurrence relationships developed for these faults are approximations based on analyses of limited direct geologic evidence and regional tectonics. This record is an attempt to account for thousands of years of geologic evidence including fault locations, lengths, and displacement rates.

12.0 SEISMIC RISK ANALYSES

Three probabilistic analyses were performed using the catalogs described above. Attenuation curves for all three models are based on Seed and Idriss, 1982. Results are presented in Figure 7. The line represents our judgement as to the occurrences of ground acceleration during an average 100 year period. Following is a brief discussion of our seismic risk models.

Site Region Model (●): The site region model is based on methods outlined by Marachi and Dixon, 1972. Calculations were performed considering earthquakes of the instrumental and non instrumental catalogs occurring within a 100 mi radius of the site. This model assumes the random occurrence of earthquakes, and the independence of events and attenuation areas. Results should be regarded as an average for the site region.

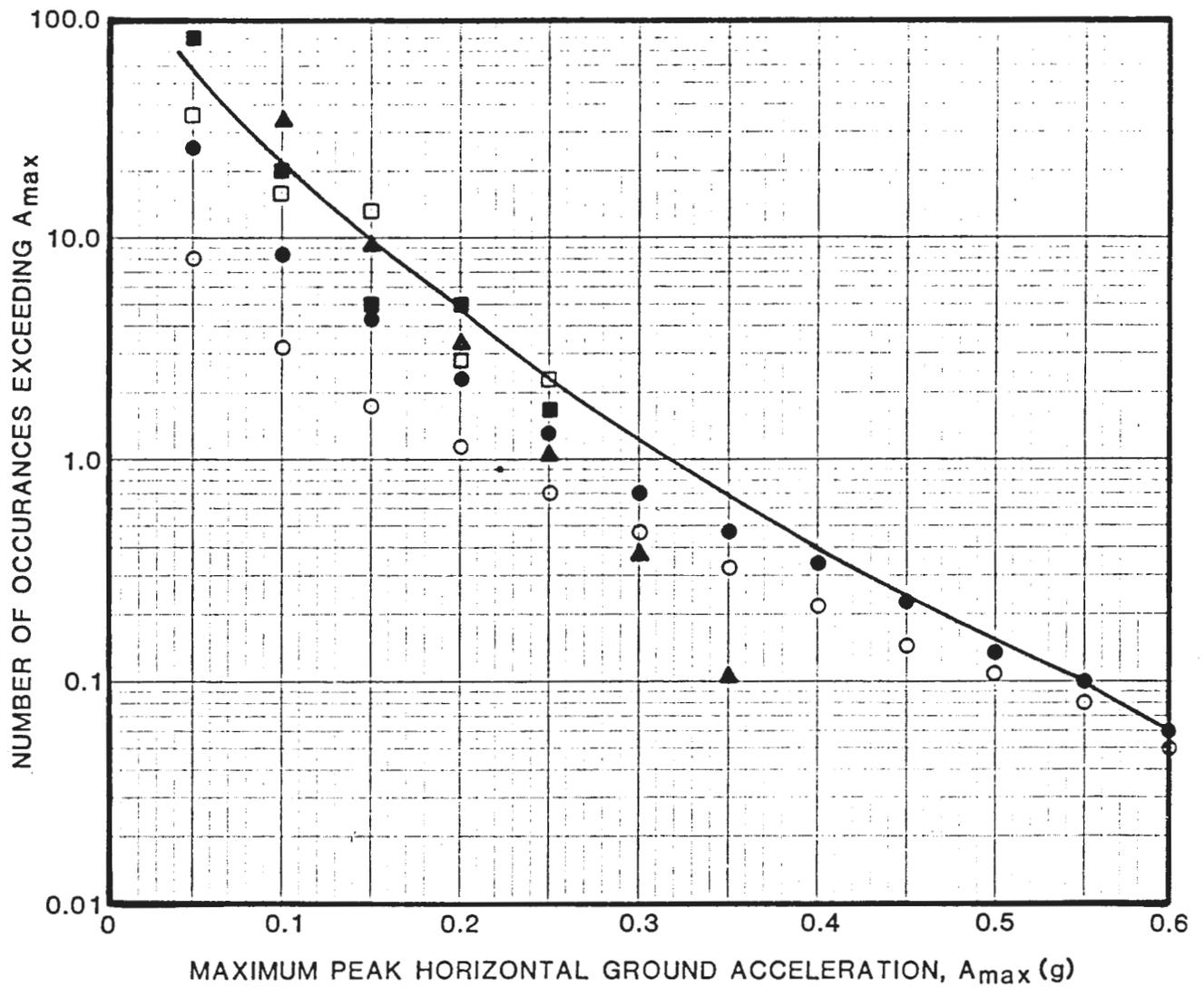
Local Site Model (■): The local site model assumed the independence of events. Calculations were performed for earthquakes of the instrumental and non instrumental catalogs occurring within a 100 mi radius of the site. Results of this analysis are strongly site dependent.

Fault Model (▲): The fault model included the major faults listed in Table 3. Seismic characteristics of the faults were estimated based on direct geologic evidence and judgement. Earthquakes were assumed to occur uniformly along the faults at estimated recurrence intervals. The results of this analysis are also strongly site dependent.

12.1 GROUND MOTION PARAMETERS

Two earthquakes were selected to represent a reasonable range of earthquake levels for the EEC area. The definitions of the different levels and earthquake magnitudes are discussed below. Table 4 summarizes the ground motion characteristics of the Maximum Credible and Maximum Probable earthquakes.

Maximum Credible Earthquake (MCE): This is intended to represent the governing maximum credible ground motion. Selection of the MCE was based on analysis of the ground motion characteristics presented in Table 3. A magnitude 6.8 earthquake occurring immediately beneath the EEC on the Elysian Park Thrust was selected as the MCE and is expected to generate the highest site-specific ground acceleration.



HORIZONTAL GROUND ACCELERATION - 100 YEAR PERIOD



Table 4. Selected horizontal ground motion parameters.

EARTHQUAKE PARAMETER	MAXIMUM CREDIBLE	MAXIMUM PROBABLE
Richter Magnitude	6.8	6.5
Maximum Peak Horizontal Ground Acceleration (g)*	~0.70	~0.32
Duration of Strong Ground Shaking (seconds)**	23-27	16-20

* Based on Seed and Idriss, 1982 for bedrock.

** Based on Bolt, 1977.

Maximum Probable Earthquake: This is defined in California Division of Mines and Geology Note Number 43 as either the earthquake event which is expected to occur during a 100 year period, or the maximum earthquake that has occurred during historic time. An example of the Maximum Probable Earthquake would be a magnitude 6.5 event epicentered on the Whittier fault approximately 10 mi away.

13.0 SECONDARY SEISMIC HAZARDS

The possible secondary effects of seismic activity include tsunamis, flooding or seiches, landslides, ground rupture, differential settlement, and liquefaction. The potential threat from secondary effects is summarized in Table 5 and discussed below.

Tsunamis: Tsunamis are tidal waves generated by fault displacement or major ground movement. Given the geographic location of the EEC, tsunamis do not pose a hazard.

Seiches: Seiches are large waves generated in enclosed bodies of water in response to ground shaking. The waves can top dams or reservoirs and flood down gradient areas. Review of the Los Angeles Topographic Quad. (photorevised in 1981) indicates no major water retaining structures are located immediately up gradient of the EEC. The risk of flooding from a seismically induced seiche is considered very low.

Earthquake Induced Flooding: This is flooding caused by failure of dams or other water retaining structures due to earthquakes. Based on a review of a Los Angeles County Flood and Inundation Hazards Map prepared by Leighton, the western portions of the EEC around the LA River are in the

Table 5. Potential for damage due to secondary effects of seismic activity.

HAZARD	POTENTIAL
Tsunamis	Nil
Seiches	Very Low
Earthquake Induced Flooding	Very Low
Landslides	Very Low
Surface Fault Rupture	Low
Differential Compaction	Low
Liquefaction	Moderate-Low

Hanson Dam inundation area (Leighton & Assoc., 1990). This is also a potential flood zone for several smaller reservoirs including Elysian Park and Devils Gate Dam. However, Hanson Dam is a flood control dam and usually only has water during periods of intense rain. Since Hanson Dam does not function as a full time water retention facility and since the other reservoirs potentially feeding the inundation zone are small, the potential threat from seismically induced flooding is considered very low.

Landslides: Seismically induced landslides and other slope failures are common occurrences during or soon after earthquakes. The majority of the EEC is located in relatively flat terrain except the northeast corner which laps onto the south margin of the Repetto Hills. No landslides have been mapped in the Repetto Hills. The potential for seismically induced landslides is considered very low.

Surface Fault Rupture: The site is not located within an Alquist-Priolo Special Studies Zone. Based on review of existing geologic information, no major surface faults project towards or through the site. The potential for surface rupture due to primary fault movement is considered low.

Differential Compaction: Review of soil borings around the Union Station area indicates that soils are relatively homogeneous sands and silty sands with variable amounts of gravel. If these conditions hold for portions of the EEC east of Union Station then the potential for differential compaction is considered low.

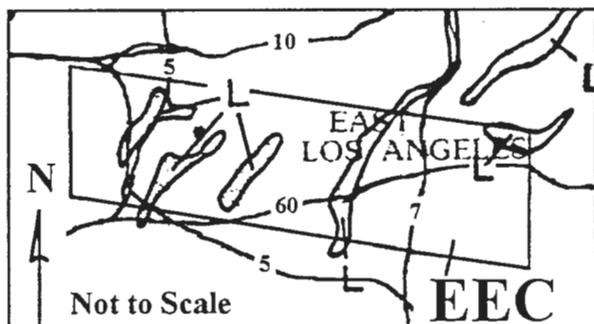


Figure 8. Sketch map of downtown area showing potentially liquefiable zones within the EEC (modified after Leighton & Assoc., 1990). L = liquefiable zone.

Liquefaction: Liquefaction is the transformation of submerged granular soils into a liquid-like mass due to excess pore pressure developed in response to earthquake ground shaking. Soils most susceptible to liquefaction are low density sands and silty sands that are submerged within 50 feet of the surface. Potentially liquefiable zones within the EEC are shown on Figure 8. The liquefiable zones are generally confined to areas of young alluvium located in small arroyos draining

the Repetto Hills (see Drawings 1-4). Areas outside these zones are considered to have a very low potential for liquefaction (Leighton & Assoc., 1990; Tinsley and Youd, 1985). It should be pointed out that the data presented above is reconnaissance in nature and based on a regional interpretation of surficial sediments. Site specific investigations should be performed to determine the potential for liquefaction along each proposed alignment within the EEC.

14.0 CONCLUSIONS AND RECOMMENDATIONS

Based on analysis of the geotechnical database assembled for this investigation, construction of the Metro Red Line extension along any of the currently proposed alignments in the Eastern Extension Corridor (EEC) is feasible from a geotechnical standpoint. Conclusions regarding specific geotechnical conditions follow, along with recommendations for mitigation and/or additional study.

- Limits of Existing Data: An extensive database of over 100 reports and documents specific to the EEC area was collected and analyzed. The existing data is insufficient however, to perform an in depth geotechnical analysis of each proposed alignment. Additional investigation including subsurface exploration is required to further define existing conditions.

- Tunneling Conditions

Brooklyn Avenue Alignments: West of Soto Street, both groundwater and bedrock (Fernando Formation) are relatively shallow and tunneling will be below a local(?) water table. Materials that are likely to be encountered include unconsolidated alluvium, bedrock, and mixed face conditions. East of Soto Street no subsurface information is available.

Whittier Boulevard Alignments: West of Euclid Avenue, groundwater and bedrock are again shallow and tunneling will be below a local(?) water table. The majority of the tunneling will be in alluvial deposits close to the bedrock contact. In the Union Station area, a basal boulder zone has been identified at the contact. The continuity and lateral extent of the boulder zone are not known. Some mixed face and bedrock conditions may also be encountered. East of Euclid, depth to groundwater increases dramatically ($\pm 150'$); reliable depth to bedrock information is lacking.

Union Station/Yard Station Area: Groundwater is shallow ($\pm 30'$) and tunneling will be below a local(?) water table. Many borings have been drilled in this area, however few penetrate the proposed tunnel crown. Depth to bedrock information is lacking. Tunneling will probably be in unconsolidated, bouldery alluvium.

- Natural Oil and Gas: Two oil fields underlie the EEC - the Union Station and Boyle Heights Fields. Boyle Heights was abandoned in 1973, Union Station is apparently still in production. Each field produces both oil and gas. Borings near Union Station encountered relatively shallow ($\pm 40'$) gas and minor oil in bedrock and alluvium. The continuity and lateral extent of the shallow oil and gas is not known. There is a high probability of encountering shallow gas, and to a lesser extent, oil along any or all of the currently proposed alignments in

the EEC.

It is possible that unrecorded abandoned wells exist along any or all of the proposed alignments. If one is encountered during construction, it should be abandoned in accordance with current regulations. No ground subsidence due to oil production has been recognized at either field. No loss of oil resources is expected from construction of the Red Line extension along any of the proposed alignments.

- Groundwater: Depth to groundwater below the EEC is variable. West of Euclid Avenue groundwater is shallow - around 30 feet below ground surface. East of Euclid Avenue depth to groundwater increases to around 150 feet or more. In areas where the proposed tunnel elevation lies below local water tables, dewatering may be required. Dewatering may also be required at some proposed station sites.

Alluvium underlying the EEC can store and yield large volumes of groundwater. The water-bearing characteristics of the underlying bedrock (Fernando Formation) are unknown, but primary and secondary permeabilities are probably low. Ground subsidence associated with construction dewatering is expected to be insignificant, however site specific investigations should be performed.

Groundwater Quality: Laboratory analyses of samples collected near Union Station indicate that groundwater quality is generally poor compared to drinking water standards. Local extreme concentrations of sulfate, sulfide, and chloride were interpreted as contamination by oil field brine. Low levels of petroleum hydrocarbons have also been detected, however no evidence of contamination by chlorinated solvents or organic priority pollutants has been found. Groundwater quality data is scarce for the remainder of the EEC (for discussion on the potential for groundwater contamination in the EEC see Section 2 of this report). Dewatering operations where effluent is discharged into a public storm drain or sewer will require a National Pollution Discharge Elimination System (NPDES) Permit. Treatment of the effluent may also be required.

- Surface Water: Construction of the Red Line extension in the EEC is not expected to significantly impact surface water runoff, erosion, or sedimentation. Portions of the EEC adjacent to the L A River lie within 100, 200, and 500 year floodplains. Floodplain areas are susceptible to flooding during extreme storm events.
- Seismicity: The maximum credible earthquake (MCE) for the EEC is a richter magnitude 6.8 event on the Elysian Park Thrust fault located below the site. Maximum peak ground acceleration generated during the MCE would be about 70% gravity (0.70g) accompanied by strong ground shaking of 23 to 27

seconds. The expected maximum probable ground acceleration is about 0.32g. The site lies within a UBC seismic zone 4 with an assigned "Z" factor of 0.40.

- Secondary Effects of Seismic Activity: The potential for damage due to earthquake induced Seiches, flooding, and landslides is considered very low. The potential for damage due to surface fault rupture and differential compaction is considered low. Analyses of regional data suggest that some areas in the EEC may be susceptible to liquefaction during an earthquake. These areas are generally confined to young alluvium located in small arroyos draining the Repetto Hills. The potential for liquefaction for the EEC as a whole is considered moderate to low. Site specific investigations should be performed to determine the potential along each proposed alignment.

A geotechnical pre-siting investigation should be performed. The investigation should include sufficient subsurface exploration to define the geologic conditions for each proposed alignment and station, including: depth and engineering characteristics of alluvium and bedrock, potential for shallow natural gas and oil, depth to groundwater, groundwater quality, site specific hydraulic characteristics of alluvium and/or bedrock, and the potential for liquefaction of the alluvial subsoils.

15.0 LIMITATIONS AND CLOSURE

This report is a compilation of data initially collected by others largely for purposes other than mapping and describing geotechnical conditions relevant to tunneling. Such data as mineral type, grain size, and distribution, relative density, percentage, type, and size of rock fragments, permeability and porosity, type and degree of cementation, type, orientation, and distribution of joints, details of rock structure, hardness, unusual water conditions, and many others are largely missing for the majority of the Eastern Extension Corridor. Conclusions and recommendations presented in this report should be considered preliminary and are likely subject to revision based on additional site specific information.

The conclusions and recommendations of this report were prepared in accordance with generally accepted professional geologic and engineering principles and practice in Los Angeles County at this time. We make no other warranty either express or implied.

SECTION 2 - ENVIRONMENTAL ANALYSIS

1.0 SCOPE OF WORK

This report presents the findings of an environmental analysis of proposed alignment alternatives for the Metro Rail Red Line in East Los Angeles. This analysis was conducted to identify and evaluate areas of potential preexisting hazardous waste.

The scope for the environmental analysis includes:

- Field reconnaissance of major thoroughfares most closely approximating the proposed alignment alternative for evidence of contamination, potential sources of contamination and the presence of regulated hazardous substances. Photodocumentation of selected locations was completed.
- Federal and State lists of known or potentially contaminated sites were examined to determine if locations within 500 feet of either side of the proposed alignment alternatives are known to be contaminated.
- Interpretation and analysis of aerial photographs at the Whittier College, Department of Geology, Fairchild Aerial Photograph Collection dating from 1928 to 1958 and 1928 photographs from the University of California Santa Barbara collection for indications of preexisting hazardous wastes along the proposed alignment alternatives.

2.0 FIELD RECONNAISSANCE

2.1 METHODS OF INVESTIGATION

Field reconnaissance of the main thoroughfares most closely approximating the proposed alternative alignments was accomplished by a combination of videotaping, walking the route or by two person teams utilizing vehicles. Upon identification of a suspect location, a team member would note the location and the type of operation, evidence of hazardous materials or contamination, potential sources of contamination and the potential for environmental impact. Photodocumentation of identified locations was completed with a 35mm camera for inclusion in this report (Appendix B - Field Reconnaissance Survey Photographs). Appendix B contains photographs of selected locations identified during the field reconnaissance. Photographs which have been included generally display a unique feature or operation relevant to the identified location.

2.2 PRESENTATION

Identified locations have been assigned high, moderate and low rankings as to their potential for environmental impact. Rankings are based on the type of operation and visual field observations. Thirteen tables have been compiled which detail identified locations in a west to east pattern for each specific alignment alternative. The thirteen tables are presented in Appendix C - Field Reconnaissance Survey Results. The tables are presented in the numerical order of the proposed alignment alternatives. Appendix B also includes a summary table (Table 1 - Total Number of Reconnaissance Sites by Alternative Alignment). Identified locations have been plotted on the Geologic and Environmental Maps contained in the pocket of this report.

All identified locations have been assigned a unique combination of numbers and letters designating the main thoroughfare on which it is located (e.g. Atlantic Boulevard = A, Whittier Boulevard = W), their numerical location starting with number one on the west or north terminus of the thoroughfare depending on its orientation and a high, moderate or low (H, M, L) potential for environmental impact. The designation W22H represents the 22nd location on Whittier Boulevard and has a high ranking for potential environmental impact and preexisting hazardous waste.

2.3 FINDINGS

A total of 266 locations were identified as having potential for environmental impact and preexisting hazardous waste as a result of CEWs field reconnaissance. These locations tend to be adjacent to the proposed alternative alignment routes. Specific locations could not definitively or conclusively be considered to be a pre-existing hazardous waste site based solely on field observations and the type of operation. The assigned rankings are intended to highlight a potential for preexisting hazardous waste which may interfere with a proposed alternative alignment and not to indicate that preexisting hazardous waste is present. Further investigation, review of available regulatory agency documents and field testing would be required to ascertain if a specific location has preexisting hazardous waste that would significantly impact a proposed alternative alignment. Three general land use areas were defined as a result of our reconnaissance: industrial/warehouse, commercial/retail and residential.

Industrial and warehouse operations exist from the originating segment of all the alternative alignments as they leave the Union Station area extending as far east to approximately Boyle Avenue. A blanket reconnaissance of this entire area was performed and locations displaying sources of environmental concern identified. General operations include tank farms, auto wrecking, industrial and warehouse operations. Several housing projects are also located in this area. Many warehouse type buildings of unidentifiable use are present in this area and were not included in the locations identified. Several alternative alignments are in the direct path of certain

operations in this area, (e.g. Unocal Tank Farm #F1 H, Sun Chemical #S6 H and site M), others are located directly adjacent to the alternative alignment's route. The operations that appear to be of most significance are those located in the industrial/warehouse area. The identified locations in this area are physically larger than other identified locations and are of a more environmentally sensitive use.

Brooklyn Avenue, 1st Street, Whittier Boulevard and Atlantic Boulevard generally consist of commercial and retail operations with scattered residential properties. Typical operations include light industrial, retail gasoline service stations, auto repair facilities and retail stores. The majority of the identified locations are adjacent to these main thoroughfares and do not lie in the direct path of the proposed alternative alignments. As the alternative alignments change from one thoroughfare to another they may directly pass through specific identified locations (e.g. Mario's Transmission #A42H).

Indiana Street is generally occupied by residential properties with scattered commercial/retail operations. Operations identified on this thoroughfare generally consisted of former gasoline stations and auto repair facilities. A utility structure of unknown use was also observed.

3.0 REGULATORY AGENCY LIST REVIEW

3.1 REGULATORY AGENCY LIST REVIEW

Federal and State lists of known or potentially contaminated sites were examined to determine if locations along the alternative alignments or within 500 feet on either side are known to be or are potentially contaminated. The following sources were reviewed:

NPL - National Priorities List, a list of sites which the United States Environmental Protection Agency (EPA) has determined to be a significant threat to public health and the environment.

BEP - California Department of Health Services Expenditure Plan for the Hazardous Substance Cleanup Bond Act of 1984, a listing of hazardous waste sites targeted for state funded cleanup.

CERCLIS - Comprehensive Environmental Response Compensation and Liability Information System, a list of potential hazardous waste sites which are currently being investigated under the EPA Superfund program or have been determined to not qualify for the NPL.

OPR - Hazardous Waste and Substances Sites List, known as the Cortese list or the Governors list, contains sites which are on any of the State of California regulatory agency lists of hazardous waste sites, landfills or other environmental concerns.

LUST - California Regional Water Quality Control Board, Underground Storage Tank Leak List for Region 4 (Los Angeles and Ventura Counties), list of known leaking underground storage tanks.

SWIS - California Integrated Waste Management Board, Solid Waste Information System, list of active and inactive landfills, transfer and composting stations, and proposed sites.

As a result of CEW's review of the referenced sources, 25 locations of concern have been identified. The specific listings have been presented in three formats. Detailed on the following pages are the findings of the Regulatory Agency List Review by specific sources of information followed by the locations identified on that list. The second form of presentation are thirteen alternative alignment specific tables. Each table presents identified locations in a west to east pattern for a specific alternative alignment. The thirteen tables are presented in Appendix D - Regulatory List Search Results. Appendix D also includes a summary table (Table 2 - Total Number of Regulatory List Sites by Alternative Alignment) of identified regulatory agency locations per alternative alignment number. The final presentation format are the four Geologic and Environmental Maps provided in the pocket of this report. The locations have been assigned identifying letters which correlate to the listings on the following pages and the thirteen tables in Appendix D.

3.2 FINDINGS

Provided below are the sources reviewed and the results of our investigation. Available information presented in the regulatory list is presented as well as results of a cursory review of available regulatory agency files for identified locations.

- **United States Environmental Protection Agency (EPA), 1990 and 1991, National Priorities List (NPL) Supplementary Lists and Supporting Materials** - A list of sites which the EPA has determined to be a significant threat to public health and the environment. NPL sites are high priority sites that have been targeted for cleanup under the auspices of the Superfund program.

A review of the NPL revealed no locations on the alternative alignments or

within 500 feet on either side.

- United States Environmental Protection Agency, 1991, Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) List-8: Site/Event Listing - A list of potential hazardous waste sites which are currently being investigated under the EPA Superfund program or have been determined to not qualify for the NPL.

A review of the CERCLIS revealed three locations within the prescribed study area.

- A. **Union Station**
800 North Alameda Street, Los Angeles
Status: Discovery 1
Site of a former gasification plant from 1870 to 1941. From 1943 to 1946, the plant produced butadiene gas. Waste products associated with gasification/butadiene production are polynuclear aromatic hydrocarbons, phenolics, heavy metals, light aromatic hydrocarbons, and sulfur and nitrogen compounds. Ground water and soil contamination by hazardous organic compounds were first discovered in 1986 by the California Department of Transportation. This site is also listed as the Southern California Gas Company Aliso Street Plant in the BEP. A very high potential for environmental impact exists based on the available information.

- D. **A & H Greenfield Sheet Metal**
830 East Commercial Street, Los Angeles
Status: No further action
Site was a sheet metal shop from 1967 to 1984. During this time, drums of unknown contents were observed on the site. The site is currently owned by the Rapid Transit District. No evidence of hazardous waste disposal on site has been observed. A low potential for environmental impact exists based on the document review of this reported incident and the regulatory agency status.

- O. **Capri Pumping Service**
3128 Whittier Boulevard, Los Angeles
Preliminary Assessment Required Low Priority
Capri Pumping Service, a hazardous waste treatment and disposal facility, was in operation from 1971 to 1983. Capri had a history of noncompliance with local and state regulations regarding waste handling. In August 1979 the California Department of Health Services (DHS) ordered the facility cleaned up. In May 1983 the clean up process

began. Excavation of soil took place along with a ground water monitoring program. No indication of completion or closure was indicated in the DHS file. A high potential for environmental impact exists based on incomplete assessment of location.

- **California Department of Health Services (DHS), 1989, Expenditure Plan for the Hazardous Substance Cleanup Bond Act of 1984 (BEP), Revision No. 4; and January 10 1990, Update to BEP** - A book listing hazardous waste sites targeted for State funding.

A review of the BEP revealed one location within the prescribed study area.

B. Southern California Gas - Aliso Street Plant
Between Turner and Alhambra Streets.

Former coal gasification facility. Waste products commonly referred to as polynuclear aromatic hydrocarbons or PNAs or PAHs. These wastes were typically discharged to on-site depressions or ponds and covered/paved over with the waste left in place. The main gas manufacturing operations were conducted within a 25 acre area north of the Santa Ana Freeway (formerly Aliso Street) and adjoining both sides of Macy Street. Contamination to both soil and ground water has been discovered in excavations crossing the site. This site is also listed on the CERCLIS as the Union Station site. A very high potential for environmental impact exists based on the available information.

- **California Office of Planning and Research (OPR), 1990, Hazardous Waste and Substances Sites List** - This list, also known as the Cortese List and the Governor's List, contains sites which are on any of the State of California regulatory agency lists of hazardous waste sites, landfills or other environmental concerns.

A review of the OPR revealed the same information contained on the other regulatory agency lists reviewed. No unique listings were present.

- **California Regional Water Quality Control Board (RWQCB), 1992, Leaking Underground Storage Tank Sites, Region 4, Los Angeles and Ventura Counties** - This list contains the status of all RWQCB leaking underground storage tank (UST) investigations in Region 4.

A review of the RWQCB list of UST leaks revealed 21 unauthorized releases of hazardous materials within the prescribed study area.

- C. Friedman Bag Company
801 Commercial Street, Los Angeles
Substance: Gasoline
Resource affected: Undetermined
Status: No action taken by the responsible party
Various fire code violations have been recorded with the Los Angeles City Fire Department (LAFD). A 1985 Hazardous Materials Information Sheet states that flammable/combustible liquids, oils, thinners and 500-gallons of gasoline are present on the property. It is unknown if the gasoline is stored in an UST. A high potential for environmental impact exists based on the document review of this reported incident and the possible presence of an UST.
- E. Solaglas
415 North Mission Road, Los Angeles
Substance: Unknown
Resource affected: Undetermined
Status: No action taken by the responsible party
According to the LAFD, Solaglas had an UST which contained 95% water and 5% gasoline. The UST was subsequently removed and soil sampling results indicated very minimal contamination. The LAFD required no further action regarding the case. A low potential for environmental impact exists based on the LAFD findings for this reported incident.
- F. Raymond Rodriguez Property
1632 Brooklyn Avenue, Los Angeles
Substance: Unknown
Resource affected: Ground water
Status: Remediation plan has been submitted
During UST removal procedures in November 1987, soil contamination was discovered. Ground water was encountered at 34 feet bgs and appeared to be a perched zone; however, the case was referred to the RWQCB. According to the RWQCB, there is no file on this case. A high potential for environmental impact exists based on the uncharacterized nature of the contaminant plume.
- G. Shell Station
1900 East Brooklyn Avenue, Los Angeles
Substance: Gasoline
Resource affected: Undetermined
Status: Pollution characterization is in progress
An investigation is currently in progress. According to an April 1992 quarterly status report, over 4,000 pounds of hydrocarbons have been

removed from the soil. Ground water has not been impacted and the LAFD has stated that no further action is necessary regarding a ground water investigation. A low potential of environmental impact exists based on the document review of this reported incident and the LAFD findings.

- H. La Mancha Development
3470 East Brooklyn Avenue, Los Angeles
Substance: Unknown
Resource affected: Soil
Status: Leak is being confirmed
An investigation is currently in progress. A vapor extraction system is operational to remove hydrocarbons from the soil. A map delineating the contamination plume showed the plume extending onto Hicks Street. Ground water was not encountered to a depth of 75 feet below ground surface. A moderate potential for environmental impact exists based on the on-going remediation of location.

- I. Shell Station #204
4357 Brooklyn Avenue, Los Angeles
Substance: Gasoline
Resource affected: Undetermined
Status: No action taken by the responsible party
Soil contamination has been detected on this site. The contamination plume has partially been defined and extends off-site along the eastern property line. Additional work is being proposed. A high potential for environmental impact exists based on the uncharacterized nature of the contamination.

- J. OI Virginia Packing, Inc.
4709 East Brooklyn Avenue, Los Angeles
Substance: Gasoline
Resource affected: Soil
Status: Preliminary site assessment workplan has been submitted
Approximately 578 tons of petroleum hydrocarbon contaminated soil has been removed from this site. Closure was granted in October 1991 by the Los Angeles County Department of Public Works (LACDPW). A sump and clarifier are located on the property and there was no indication of closure regarding these two items. A high potential for environmental impact exists due to unknown disposition regarding the sump and clarifier.

- K. Shell Station
2291 South Atlantic Boulevard, Monterey Park
Substance: Gasoline
Resource affected: Soil
Status: Leak is being confirmed
Soil contamination has occurred on the property as a result of operating USTs. The contamination is located along the southern property line; however the extent of the contamination has not been defined. A high potential for environmental impact exists based on the uncharacterized nature of the contamination.
- L. Evergreen Cemetery
3301 East 1st Street, Los Angeles
Substance: Gasoline
Resource affected: Ground water
Status: Case closed
Soil contamination was detected during UST removal procedures. Free product was thought to have contaminated the ground water. However, further investigation determined the ground water to be clean. The RWQCB and the LACDPW have recommended no further action and have closed the case. A low potential for environmental impact exists based on regulatory agency status for this reported incident.
- M. BASF Inmont Facility
590 South Santa Fe Avenue, Los Angeles
Substance: Diesel
Resource affected: Ground water
Status: Implementation of a corrective action plan is in progress
Soil and ground water contamination has occurred at this facility. The contamination may have migrated off-site. There was no indication in the RWQCB file that the contamination plume has been fully characterized. During the first quarter of 1991, a review of the comprehensive site investigation report was being conducted by BASF and their consultants to determine subsequent courses of action. A high potential for environmental impact exists based on the regulatory agency findings.
- N. Mobil Station #11-EKT
909 South Soto Street, Los Angeles
Substance: Waste oil
Resource affected: Undetermined
Status: Pollution characterization is in progress
During tank integrity testing a leak in an UST was discovered. According to the LAFD, further assessment was scheduled for October 1990.

However, the work has not yet been performed. A high potential for environmental impact exists based on incomplete assessment.

- P. Arco Station #0191
3401 East Whittier Boulevard, Los Angeles
Substance: Unknown
Resource affected: Undetermined
Status: No action taken by the responsible party
Soil contamination was detected during UST removal procedures. Three vapor extraction wells were installed on the property and a vapor extraction system is currently being designed by Arco's consultant. A moderate potential for environmental impact exists based on the on-going remediation of location.
- Q. Thrifty Station #032
3981 East Whittier Boulevard, Los Angeles
Substance: Unknown
Resource affected: Undetermined
Status: Pollution characterization is in progress
The LACDPW file was not available for review. A high potential for environmental impact exists based on type of operation.
- R. Shell Station
4411 East Whittier Boulevard, Los Angeles
Substance: Regular gasoline
Resource affected: Undetermined
Status: Pollution characterization is in progress
Soil contamination was detected in backfill material and was removed. Quarterly status reports submitted to the RWQCB since December 1990 have requested closure to the case. A low potential for environmental impact exists from this reported incident based on the available information.
- S. Calvary Cemetery
4201 Whittier Boulevard, Los Angeles
Substance: Gasoline
Resource affected: Undetermined
Status: Preliminary site assessment workplan has been submitted
Soil contamination was detected during UST removal procedures. The extent of the contamination has not been defined. A high potential for environmental impact exists based on the uncharacterized nature of the contamination.

- T. Fast Fuel #66
5756 Whittier Boulevard, Commerce
Substance: Gasoline
Resource affected: Undetermined
Status: Leak is being confirmed
According to LACDPW personnel, the file on this site is not available for public review due to the current litigation process. A high potential for environmental impact exists based on the type of operation.
- U. Hollenbeck Home
573 South Boyle Avenue, Los Angeles
Substance: Diesel
Resource affected: Ground water
Status: Pollution characterization is in progress
The file was not available for review at the RWQCB. A high potential for environmental impact exists based on unavailable information.
- V. Camino Real Chevrolet
2401 Atlantic Boulevard, Monterey Park
Substance: Waste oil
Resource affected: Undetermined
Status: Preliminary site assessment is underway
Soil contamination was detected during tank removal procedures. The extent of the contamination has not been defined. In November 1991, the LACDPW requested a proposal for additional work. A high potential for environmental impact exists based on the uncharacterized nature of the contamination.
- W. Pronto Marketing
401 South Atlantic Boulevard, Los Angeles
Substance: Gasoline
Resource affected: Undetermined
Status: Preliminary site assessment is underway
According to LACDPW personnel, the file on this site is not available for public review due to the current litigation process. A high potential for environmental impact exists based on available information.
- X. R-Boys 99 Cents Store
601 Atlantic Boulevard, Los Angeles
Substance: Regular gasoline
Resource affected: Undetermined
Status: No action taken by the responsible party
Six USTs were removed from the property and the LACDPW granted final closure in March 1989. According to the LACDPW file, this site is

listed in error on the RWQCB's LUST list. A low potential for environmental impact exists for this reported incident based on the regulatory agency findings.

- Y. Freeway Ford
666 South Atlantic Boulevard, Los Angeles
Substance: Unleaded gasoline
Resource affected: Undetermined
Status: Preliminary site assessment is underway
Approximately 70 cubic yards of contaminated soil have been removed from the site. Freeway Ford's consultant is requesting no further action to the site and closure from the LACDPW. A low potential for environmental impact exists for this reported incident based on the request for closure.

- **California Integrated Waste Management Board (CWMB), 1992, List of Active and Inactive Landfills, Transfer and Composting Stations and Materials Recovery Facilities, Proposed Sites, Solid Waste Information System (SWIS) -** This list contains information on active and inactive landfills, transfer and composting stations and proposed locations for landfills and transfer stations in the State of California.

A review of the SWIS revealed no locations on the alternative alignments or within 500 feet on either side.

4.0 AERIAL PHOTOGRAPH REVIEW

Aerial photographs, from the Fairchild Aerial Photograph Collection, were reviewed at Whittier College, Department of Geology. The photographs were reviewed to help establish the possible presence of preexisting hazardous waste sites along the proposed alternative alignments comprising the eastern extension corridor (EEC).

4.1 BACKGROUND

Aerial photographs covering the main thoroughfares along the EEC were reviewed and ranged in dated from 1928 to 1958. Summaries of the available photographs are provided below and include the date of the photograph, as well as the general findings identified along the main thoroughfares of the EEC. The main thoroughfares have been identified in the following order: the area west of the Santa Ana Freeway, Brooklyn Avenue, First Street, Whittier Boulevard, Indiana Street, and Atlantic

Boulevard. Certain aerial photograph flights reviewed did not have coverage of the entire EEC; therefore, only areas observed in the photographs are discussed. Refer to Figure 1 - Aerial Photograph Review for locations of concern identified as a result of the aerial photograph review.

4.2 FINDINGS

1928 Aboveground storage tanks appear to be located between Macy and First Street, west of the Los Angeles River. Warehouse type structures appear to be located west of the Los Angeles River and between Whittier Boulevard and in the area of the Santa Monica/San Bernardino Freeway. Undeveloped areas and warehouse type structures appear to be located between the Los Angeles River and Anderson Street. Residential areas appear to be located between Anderson Street and the area of the Santa Ana Freeway.

Brooklyn Avenue from approximately the Santa Monica/San Bernardino Freeway to Soto Street was not covered by the 1928 photographs. The remaining portion of Brooklyn Avenue appears to be residential to approximately Bleakwood Avenue. From Bleakwood Avenue to Atlantic Boulevard, Brooklyn Avenue appears to be raw land.

First Street from approximately the Santa Monica/San Bernardino Freeway to the Golden State Freeway appears to be commercial properties. The remaining portion of First Street appears to be residential properties.

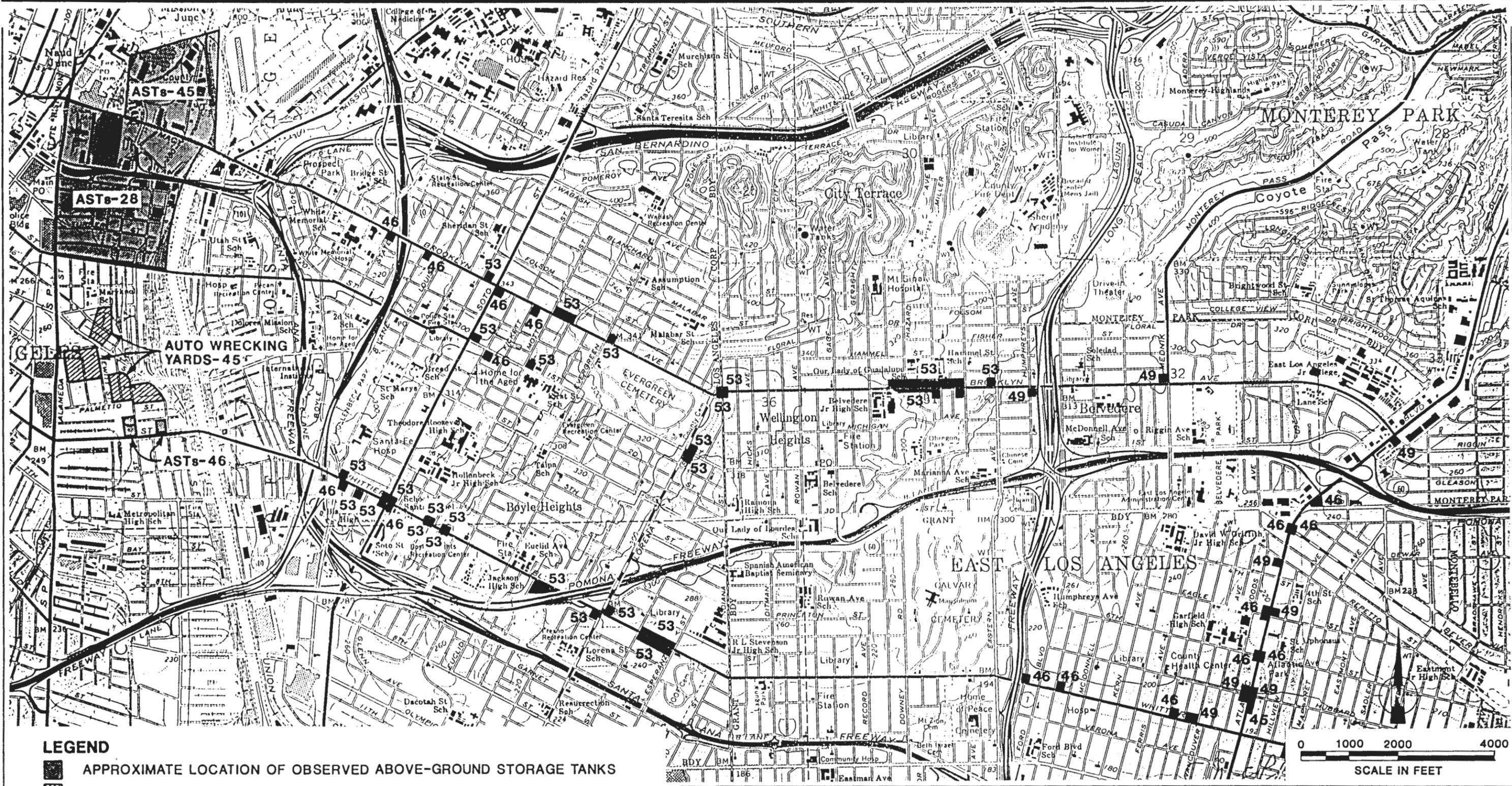
Whittier Boulevard appears to be residential properties. Between the Long Beach Freeway and Atlantic Boulevard, Whittier Boulevard appears to be residential with scattered areas of commercial usage. The portion of Whittier Boulevard which is located east of Atlantic Boulevard was not visible in the 1928 photographs.

Indiana Street appears to be residential properties.

Atlantic Boulevard appears to be raw land with scattered residential properties towards the southern end.

01-1939 Brooklyn Avenue between Soto Street and the Long Beach Freeway appears to be residential with scattered areas of commercial usage.

First Street between Soto Street and Indiana Street appears to be residential properties.



LEGEND

- APPROXIMATE LOCATION OF OBSERVED ABOVE-GROUND STORAGE TANKS
- ▨ APPROXIMATE LOCATION OF OBSERVED AUTO WRECKING YARDS
- APPROXIMATE LOCATION OF OBSERVED GASOLINE STATION/AUTO REPAIR FACILITY

NOTE:
The number beside each location indicates the year from 1900 the item was first observed in aerial photographs.

REFERENCE:
PORTION OF USGS LOS ANGELES 7.5-MINUTE TOPOGRAPHIC QUADRANGLE, 1966, PHOTOREVISED 1981

AERIAL PHOTOGRAPH REVIEW - POTENTIAL LOCATIONS OF PREEXISTING HAZARDOUS WASTE

**LOS ANGELES METRO RAIL/EASTERN EXTENSION
Corridor Study Area
for: Los Angeles County Transportation Commission**

Scale	1" = 2000'	Project No.	90-31-328-01
Date	7/15/92	Figure No.	
Prepared By	DSS		
Checked By	LAT		
Approved By	DS		



Whittier Boulevard between Euclid and McDonnell Avenues appears to be residential with scattered areas of commercial usage.

Indiana Street appears to be residential properties.

- 09-24-45 Aboveground storage tanks appear to be located between Macy and First Street, west of the Los Angeles River. In addition, aboveground storage tanks are located north of Macy Street in the general area of the present day county jail. Auto wrecking yards appear to be bounded by Fourth Street, Santa Fe Avenue, Palmetto Street, and Seaton Street, and in the area of Third and Vignes Streets. Warehouse type structures appear to be located on both sides of the Los Angeles River. A residential area appears to be bounded to the north by First Street, to the south by Whittier Boulevard, to the east by the Golden State Freeway, and to the west by Anderson Street.

Whittier Boulevard between Indiana Street and Atlantic Boulevard appears to be commercial and residential properties. It appears the commercial properties are now becoming more prominent along Whittier Boulevard. A gasoline station appears to be located on the southwest corner of Whittier and Goodrich Boulevards. The south side of Whittier Boulevard, east of Goodrich Boulevard, appears to be agricultural property. The north side of Whittier Boulevard is not visible in the photographs.

A gasoline station appears to be located on Atlantic Boulevard, between Hubbard Street and Percy Street.

- 04-11-46 Aboveground storage tanks appear to be located between Macy and First Street, west of the Los Angeles River. In addition, aboveground storage tanks are located north of Macy Street in the general area of the present day county jail and in the area of Sixth and Mateo Streets. Warehouse type structures are located between Santa Fe Avenue and Anderson Street. A residential area appears to be bounded to the north by the Santa Monica/San Bernardino Freeway, to the south by Whittier Boulevard, to east by the Golden State Freeway, and to the west by Anderson Street. It was also observed in this photograph that commercial properties are scattered along First Street between Mission Road and the Golden State Freeway.

Brooklyn Avenue from approximately the Santa Monica/San Bernardino Freeway to Vancouver Avenue consists of residential properties with scattered areas of commercial development. Gasoline stations appear to be located on several intersections along Brooklyn Avenue: southeast corner of State Street/Brooklyn Avenue, southeast corner of Britannia Street/Brooklyn Avenue, southeast corner of Soto Street/Brooklyn Avenue, and the southeast corner of Pickett Street/Brooklyn Avenue. From approximately Vancouver Avenue to Atlantic Boulevard, Brooklyn Avenue appears to be vacant property.

First Street appears to be residential properties. Scattered commercial properties appear to be located between the Santa Ana and Golden State Freeways. A gasoline station appears to be located on the southeast corner of Mathews Street/First Street.

Whittier Boulevard, from approximately the Golden State Freeway to Downey Road, appears to be primarily residential properties with scattered commercial developments. Gasoline stations were also observed in this area on the southeast corners of Boyle Avenue/Whittier Boulevard and Soto Street/Whittier Boulevard. From approximately the Long Beach Freeway to just east of Atlantic Boulevard, Whittier Boulevard appears to be primarily commercial properties with several gasoline stations located at various intersections: northwest corner of Burger Avenue/Whittier Boulevard, northeast corner of Duncan Avenue/Whittier Boulevard, and the northeast corner of La Verne Avenue/Whittier Boulevard. The north side of Whittier Boulevard from approximately Margaret Avenue to Simmons Avenue appears to be residential properties. The south side of Whittier Boulevard appears to be agricultural property.

Indiana Street appears to be residential properties.

Atlantic Boulevard, north of the Pomona Freeway, appears to be primarily vacant properties with a small residential area located at the northeast corner of the Pomona Freeway and Atlantic Boulevard. Atlantic Boulevard, south of the Pomona Freeway, appears to be commercial properties with gasoline stations located at several intersections: the southeast corner of Pomona Boulevard/Atlantic Boulevard, the intersection of Beverly Boulevard/Atlantic Boulevard, the west side of Eagle Street/Atlantic Boulevard, and at the intersection of 6th Street/Atlantic Boulevard.

07-18-49 Brooklyn Avenue, from approximately Brannick Avenue to Atlantic

Boulevard, appears to be a mixture of residential, commercial, and vacant properties. Gasoline stations appeared to be located at the following intersections: southwest and southeast corners of Humphreys/Brooklyn Avenue, and the northwest corner of Mednik Avenue/Brooklyn Avenue. Whittier Boulevard, from approximately the Long Beach Freeway to Margaret Avenue, appears to be commercial properties with several gasoline stations located at various intersections: northwest corner of Burger Avenue/Whittier Boulevard, the northeast corner of La Verne Avenue/Whittier Boulevard. The block located between Fraser Avenue and Clela Avenue appears to be occupied by gasoline stations/auto repair facilities. The north side of Whittier Boulevard, east of Margret Avenue, appears to be occupied by residential and commercial properties. The south side of Whittier Boulevard appears to be agricultural with an aboveground storage tank located near the intersection of Gerhart Avenue and Whittier Boulevard.

Atlantic Boulevard, north of the Pomona Freeway, appears to be primarily vacant land with commercial properties located on the east side of Atlantic Boulevard. A gasoline station appears to be located at the southeast corner of Riggim Street/Atlantic Boulevard. Atlantic Boulevard, south of the Pomona Freeway, appears to be commercial properties with scattered gasoline stations/auto repair facilities along the boulevard: the southeast corner of Pomona Boulevard/Atlantic Boulevard, the intersection of Beverly Boulevard/Atlantic Boulevard, the southwest corner of Repetto Street/Atlantic Boulevard, the northwest corner of Eagle Street/Atlantic Boulevard, at the intersection of 6th Street/Atlantic Boulevard, and at the intersection of Hubbard Street/Atlantic Boulevard.

06-1953 The area located between First Street and Sixth/Whittier Boulevard, west of Anderson Street, appears to be occupied by warehouse type structures. Aboveground storage tanks are visible at the intersection Sixth Street and Santa Fe Avenue, and Palmetto Street and Santa Fe Avenue.

Brooklyn Avenue, from approximately the Golden State Freeway and the Long Beach Freeway, appears to be a mixture of residential and commercial properties. Gasoline stations/auto repair facilities appear to be scattered along the boulevard: northeast corner of Breed Street/Brooklyn Avenue, southeast corner of Soto Street/Brooklyn Avenue, the block bounded by Mott Street and Forest Avenue, northeast corner of Evergreen Avenue/Brooklyn Avenue, the intersection of Indiana Street/Brooklyn Avenue, and the block bounded by Bonnie Beach Place and Marrianna Avenue, and the northwest corner of Eastern

Avenue/Brooklyn Avenue.

First Street appears to be occupied by primarily residential properties with scattered areas of commercial usage. Gasoline stations/auto repair facilities appear to be located at the following locations: northeast corner of Soto Street/First Street, northeast corner of Mott Street/First Street, and the east side of Lorena/First Street.

Whittier Boulevard, approximately between the Golden State Freeway and Esperanza Street, appears to be occupied primarily by commercial properties. Gasoline stations/auto repair facilities are scattered along the boulevard: east side of Boyle Avenue/Whittier Boulevard, southeast corner of Holms Street/Whittier Boulevard, the intersection of Soto Street/Whittier Boulevard, the block between Pickett Street and Mott Street, southeast corner of Fresno Street/Whittier Boulevard, the intersection of Lorena/Whittier Boulevard, and the block between Spence and Esperanza Streets.

Indiana Street appears to be occupied primarily by residential properties with scattered areas of commercial usage.

01-11-58 Aboveground storage tanks appear to be located near the intersection of Center and Jackson, west of the Los Angeles River. Warehouse type structures appear to occupy the area bounded to the north by the Santa Monica/San Bernardino Freeway, to the south by the Sixth Street, the east by the Golden State Freeway, and to the west by Santa Fe Avenue. The northeast portion of this area appears to be residential properties.

Brooklyn Avenue, from approximately Brannick Avenue to Vancouver Avenue, appears to be residential properties.

Whittier Boulevard, from approximately the Long Beach Freeway to Atlantic Boulevard, appears to be primarily commercial properties with scattered residential properties.

Indiana Street appears to be occupied by residential properties.

Atlantic Boulevard appears to be occupied primarily by commercial properties. The west side of Atlantic Boulevard, north of the Pomona Freeway, appears to be vacant property.

5.0 SUMMARY AND CONCLUSIONS

During Converse Environmental West's (CEW) field reconnaissance, a total of 266 locations were identified as having a potential for environmental impact and pre-existing hazardous waste. Identified locations were assigned a potential for environmental impact based on the type of operation and visual observations. However, specific locations could not definitively, or conclusively, be considered a pre-existing hazardous waste site based solely on field observations and type of operation. The assigned rankings are intended to highlight a locations potential for preexisting hazardous waste and not to indicate that preexisting hazardous waste is present, Further investigation, review of available regulatory agency documents and field testing would be required to ascertain the absolute presence of preexisting hazardous waste.

The general land use of the eastern extension corridor consisted of the following uses: industrial/warehouse, commercial/retail and residential. The portion of the eastern extension corridor located west of Boyle Avenue was observed to be utilized primarily as industrial/warehouse properties. The properties included, but were not limited to, auto repair/wrecking yards, fueling facilities, an oil refining/distribution facility, furniture refinishing companies, food processing companies as well as facilities of undiscernable use. Various operations in this area are in the direct pathway of several alternative alignments and may cause a high potential for environmental impact. These operation are summarized below and presented in Appendix E, Table 3 - Summary of Significant Operations in Direct Pathway of Alignments West of Boyle Avenue.

- Unocal Center Street Terminal, Northwest corner of enter Drive and Ducommun Street, F1 H. A potential for environmental impact exists which may affect alternative alignments 3, 4, 5, 7, 8B, and 10.
- Viertels Auto Wrecking, 500 Center Drive, F2 H. A potential for environmental impact exists which may affect alternative alignments 3, 4, 5, 6A, 7, 8A, 9A, and 10.
- Manley Oil Company, 410 Center Drive, F3 H. A potential for environmental impact exists which may affect alternative alignments 5 and 7.
- Sun Chemical, 590 South Sante Fe Avenue, S6 H. A potential for environmental impact exists which may affect alternative alignments 6B, 8B and 9B.
- George's Auto Dismantling and Lucio's Auto, 121 Anderson Street, AN1 H. A potential for environmental impact exists which may affect alternative alignment 7.
- Facility name: Unknown, 323 South Clarence Street, AN3 H. A potential for environmental impact exists which may affect alternative alignments 6B, and 9B.
- Earl Scheib Paint Supply and Epsilon Electric, 630-634 Clarence Street, AN6

H. A potential for environmental impact exists which may affect alternative alignment 7.

- Metro Rail Yard, located between First Street, Fourth Street, the Los Angeles River, and Santa Fe Avenue, S3a H. A potential for environmental impact exists which may affect alternative alignments 6B, 8B, and 9B.
- Facility name: Unknown, Adjacent to the southwest corner of Palmetto Street and Santa Fe Avenue, S5 H. A potential for environmental impact exists which may affect alternative alignments 6B, 8B, and 9B.

Located east of Boyle Avenue, the eastern extension corridor consisted of commercial/retail and residential properties. Numerous auto repair facilities and gasoline service stations were observed along the proposed routes. The majority of the identified operations are adjacent to the main thoroughfares and do not lie in the direct pathway of the proposed alternative alignments. As the alternative alignments change from one thoroughfare to another, it may directly pass through specific operations which may cause a high potential for environmental impact. These locations are summarized below and presented in Appendix E, Table 4 - Summary of Significant Transitional Thoroughfare Sites.

- Autos El Prieto, 3464 First Street, F22 H. A potential for environmental impact exists which may affect alternative alignments 5, 6A and 6B.
- Facility name: Unknown, Located adjacent to 755 Atlantic Boulevard, A41 H. A potential for environmental impact exists which may affect alternative alignment 10.
- Mario's Transmissions, 755 Atlantic Boulevard, A42 H. A potential for environmental impact exists which may affect alternative alignment 10.
- Cleaners, 2215 Atlantic Boulevard, A1 H, A potential for environmental impact exists which may affect alternative alignment 4.
- East Los Angeles Junior College, 1100 Floral Drive, B57 H, A potential for environmental impact exists which may affect alternative alignment 4.

In addition, several locations were observed which appeared to be undergoing environmental remediation: southwest corner of Brooklyn Avenue and State Street (B11 H), 1750 First Street (F9 H), and the southeast corner of Indiana and 3rd Streets (I3 H).

Three CERCLIS sites, one BEP site, and twenty-one LUST sites were found to be located within 500 feet of either side of the various alternative alignments. Although all the reported locations are of environmental significance, the following locations were determined to have a greater potential for environmental impact to the eastern extension corridor:

- Union Station (800 North Alameda Street), and the Southern California Gas Company Aliso Street Plant (located between Turner and Alhambra Streets), Sites A and B.

This location is listed on the CERCLIS as Union Station and as the Southern California Gas Company Aliso Street Plant on the BEP. From 1870 to 1941, the site was a gasification plant and from 1943 to 1946 the plant produced butadiene gas. Waste products associated with gasification/butadiene production are polynuclear aromatic hydrocarbons, phenolics, heavy metals, light aromatic hydrocarbons, and sulfur and nitrogen compounds. These wastes were typically discharged to on-site depressions or ponds and covered/paved over with the waste left in place. The main gas manufacturing operations were conducted within a 25 acre area north of the Santa Ana Freeway (formerly Aliso Street) and adjoining both sides of Macy Street. Contamination to both soil and ground water was first discovered in 1986 and has been discovered in excavations crossing the site. A very high potential for environmental impact exists which may affect all the alternative alignments within the eastern extension corridor study area.

- BASF Inmont Facility (590 South Santa Fe Avenue), Site M.

Soil and ground water contamination has occurred at this facility and may have migrated off-site. There was no indication in the RWQCB file that the contamination plume has been fully characterized. During the first quarter of 1991, a review of the comprehensive site investigation report was being conducted by BASF and their consultants to determine subsequent courses of action. Currently, the property is occupied by the Sun Chemical Company, General Printing Ink Division. On the day of CEW's field reconnaissance, numerous 55-gallon drums were observed stacked in a fenced yard. A very high potential for environmental impact exists which may affect alternative alignments 6B, 8B, and 9B.

The following listed locations also have been determined to have a greater potential for environmental impact to the eastern extension corridor due to the uncharacterized nature of contamination or incomplete assessment. These locations are also presented in Appendix E, Table 5 - Summary of Operations with Uncharacterized Contamination or Incomplete Assessment. The potential exists that groundwater in the vicinity of certain of these locations may be negatively impacted.

- Raymond Rodriguez Property, 1632 Brooklyn Avenue, Site F. A potential for environmental impact exists which may affect alternative alignments 3, 4, and 10.
- Shell Station #204, 4357 Brooklyn Avenue, Site I. A potential for environmental impact exists which may affect alternative alignment 4.
- Shell Station, 2291 South Atlantic, Site K. A potential for environmental impact exists which may affect alternative alignments 4 and 10.

- Mobil Station #11-EKT, 909 South Soto Street, Site N. A potential for environmental impact exists which may affect alternative alignments 7, 8a, and 8b.
- Capri Pumping Service, 3128 Whittier Boulevard, Site O. A potential for environmental impact exists which may affect alternative alignments 7, 8a, and 8b.
- Calvary Cemetery, 4201 Whittier Boulevard, Site S. A potential for environmental impact exists which may affect alternative alignments 3, 5, 6a, 6b, 7, 8a, 8b, 9a, 9b, 10.

Historical aerial photographs indicate that the portion of the eastern extension corridor located between Boyle Avenue and Atlantic Boulevard has been a mixture of residential and commercial/retail operations as early as 1928. Gasoline stations/auto repair facilities in this area were first observed in aerial photographs dated as early as 1943. According to aerial photographs dated 1928, the portion of the eastern extension corridor located west of Boyle Avenue has been utilized primarily for industrial/warehouse operations. Items of historical significance observed in aerial photographs included numerous aboveground storage tanks west of the Los Angeles River between Macy and 1st Streets (1928), north of Macy Street in the area currently occupied by the Los Angeles County jail (1945), and in the general area of 6th Street and Santa Fe Avenue (1946). Also observed were what appeared to be auto wrecking yards in the general area bounded by Alameda Street, 4th Street, Palmetto Street, and Santa Fe Avenue (1945).

Based upon CEW's review of investigative findings, proposed alternative alignment 5 appears to have the least number of identified locations that may represent sources of environmental concern or preexisting hazardous waste. None of the proposed alignment alternatives is free of the potential for preexisting hazardous waste. Upon selection of a final alignment route, the locations identified as a result of this investigation should be exhaustively investigated and assessed as to quantitative existence of hazardous waste.

6.0 LIMITATIONS AND CLOSURE

This report has been prepared for the exclusive use of Parsons Brinckerhoff Quade Douglas, Inc. and the Los Angeles County Transportation Commission as it pertains to the Eastern Extension Corridor Study Area (EEC). Our services have been performed in accordance with applicable county ordinances and generally accepted practices in the environmental sciences. No other warranty, either express or implied, is made.

Converse Environmental West is not responsible or liable for any claims or damages associated with interpretation of available information. This report should not be

regarded as a guarantee that no further contamination, beyond that which was detected in our investigation, is present beneath the EEC. In the event that changes in the nature of the property occur or additional relevant information about the EEC is brought to our attention, the conclusions and recommendations contained in this report may not be valid unless these changes and additional relevant information are reviewed and the conclusions in this report are modified and verified in writing.

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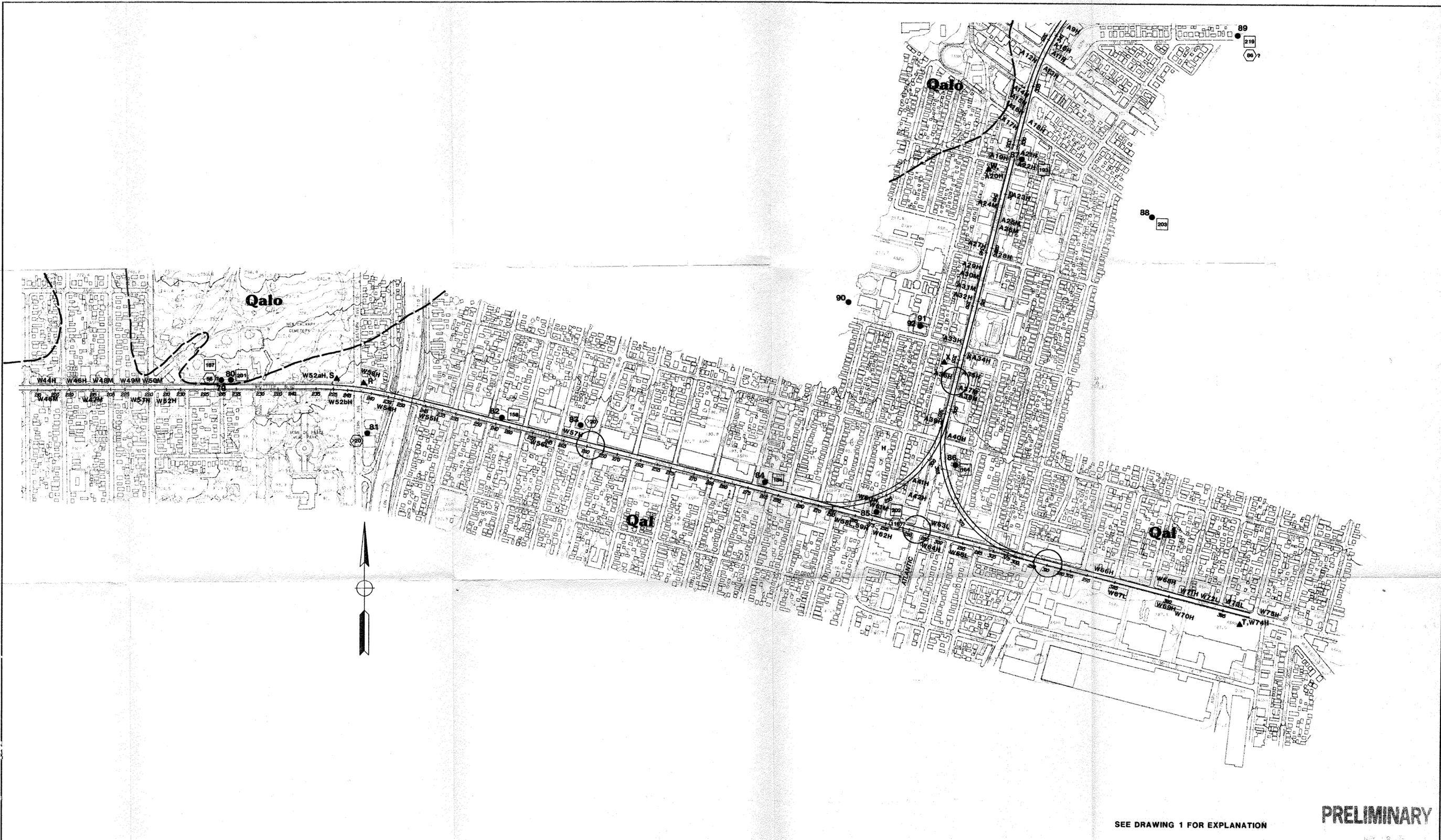
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AERIAL PHOTOS REVIEWED

YEAR	FLIGHT	ROLL/FRAME	SOURCE
1928	C-300	K /118 K /120,121 K /145,146 K /165,166 K /189-192 K /208-211 K /237-240 K /275-278 K /301-304	UCSB
1939	C-5526	--/4,5	Whittier Coll.
1945	C-9770	--/33-37	
1946	C-10235	--/8,10,11,28, 30,31	
1949	C-13990	--/154	
1953	C-19375	--/2,37,39,41	

In addition to the photographs listed above, numerous oblique photos dating from the late 1920's were reviewed at the UCLA aerial photo collection.



SEE DRAWING 1 FOR EXPLANATION

PRELIMINARY

CONTRACT NO.	
DRAWING NO.	REV.
SCALE: 1"=400'	
SHEET NO. 3 OF 4	

LOS ANGELES COUNTY TRANSPORTATION COMMISSION
 Eastside Corridor AA/DEIS/DEIR

Parsons Brinckerhoff

SUBMITTED: _____ APPROVED: _____

DESIGNED BY
DRAWN BY
CHECKED BY
APPROVED BY
DATE

Information confidential
 all plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Transportation Commission and shall not be used for any purpose not provided for in agreements with the Los Angeles County Transportation Commission.

GEOLOGIC AND ENVIRONMENTAL MAPS

LOS ANGELES METRO RED LINE
 Eastern Extension Corridor Study Area
 for: Parsons, Brinckerhoff, Quade & Douglas, Inc.

Scale 1"=400' Project No. 90-31-328-01
 Date 7/17/92
 Prepared By DSS Drawing No. 3
 Checked By DS
 Approved By HAS

Converse Consultants West

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PRELIMINARY

SEE DRAWING 1 FOR EXPLANATION

GEOLOGIC AND ENVIRONMENTAL MAPS

LOS ANGELES METRO RED LINE
 Eastern Extension Corridor Study Area
 for: Parsons, Brinckerhoff, Quade & Douglas, Inc.

Scale: 1" = 400'
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 Project No.: 90-31-328-01
 Prepared By: DSS
 Checked By: DS
 Approved By: HAS

Project No. 90-31-328-01
 Drawing No. 2

Converse Consultants West

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 County Transportation Commission.

DESIGNED BY
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 CHECKED BY
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 DATE

LOS ANGELES COUNTY TRANSPORTATION COMMISSION
 Eastside Corridor AA/DEIS/DEIR

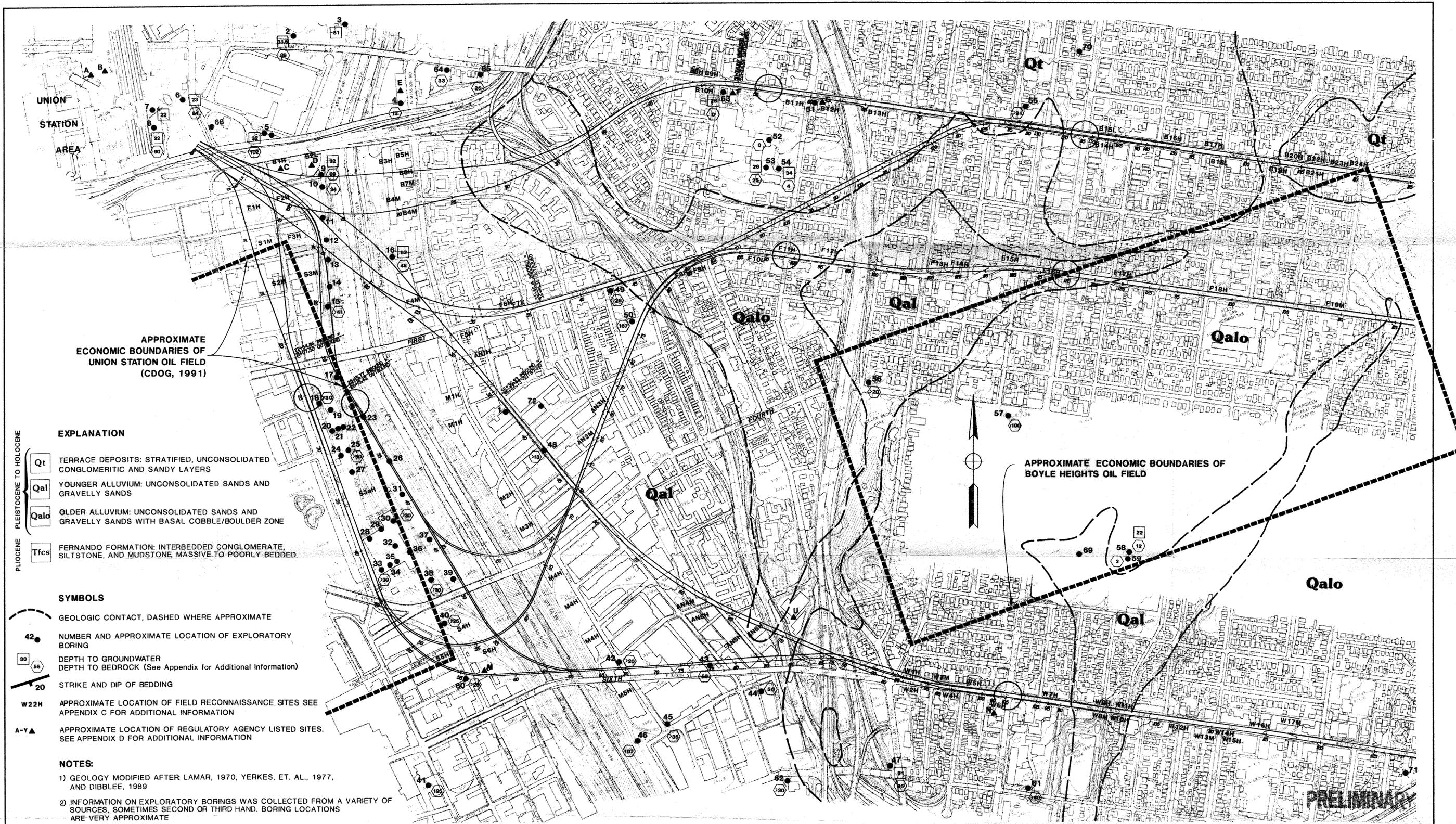
Parsons Brinckerhoff

SUBMITTED: _____ APPROVED: _____

EASTSIDE CORRIDOR
 ROUTE ALIGNMENTS
 AND STATIONS

CONTRACT NO.	
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SCALE:	1"=400'
SHEET NO.	2 OF 4

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- EXPLANATION**
- PLEISTOCENE TO HOLOCENE
- Qt TERRACE DEPOSITS: STRATIFIED, UNCONSOLIDATED CONGLOMERITIC AND SANDY LAYERS
 - Qal YOUNGER ALLUVIUM: UNCONSOLIDATED SANDS AND GRAVELLY SANDS
 - Qalq OLDER ALLUVIUM: UNCONSOLIDATED SANDS AND GRAVELLY SANDS WITH BASAL COBBLE/BOULDER ZONE
- PLIOCENE
- Tfc FERNANDO FORMATION: INTERBEDDED CONGLOMERATE, SILTSTONE, AND MUDSTONE, MASSIVE TO POORLY BEDDED.

- SYMBOLS**
- GEOLOGIC CONTACT, DASHED WHERE APPROXIMATE
 - 42 ● NUMBER AND APPROXIMATE LOCATION OF EXPLORATORY BORING
 - 30 55 DEPTH TO GROUNDWATER DEPTH TO BEDROCK (See Appendix for Additional Information)
 - 20 STRIKE AND DIP OF BEDDING
 - W22H APPROXIMATE LOCATION OF FIELD RECONNAISSANCE SITES SEE APPENDIX C FOR ADDITIONAL INFORMATION
 - A-Y ▲ APPROXIMATE LOCATION OF REGULATORY AGENCY LISTED SITES. SEE APPENDIX D FOR ADDITIONAL INFORMATION

- NOTES:**
- 1) GEOLOGY MODIFIED AFTER LAMAR, 1970, YERKES, ET. AL., 1977, AND DIBBLEE, 1989
 - 2) INFORMATION ON EXPLORATORY BORINGS WAS COLLECTED FROM A VARIETY OF SOURCES, SOMETIMES SECOND OR THIRD HAND. BORING LOCATIONS ARE VERY APPROXIMATE

PRELIMINARY

MAY 18 1992

GEOLOGIC AND ENVIRONMENTAL MAPS

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Eastern Extension Corridor Study Area
for: Parsons, Brinckerhoff, Quade & Douglas, Inc.

Scale: 1" = 400'
Date: 7/17/92
Project No: 90-31-328-01
Prepared By: DSS
Checked By: DS
Approved By: HAS

CONVERSE CONSULTANTS WEST

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DRAWN BY
CHECKED BY
APPROVED BY
DATE

LOS ANGELES COUNTY TRANSPORTATION COMMISSION
Eastside Corridor AA/DEIS/DEIR

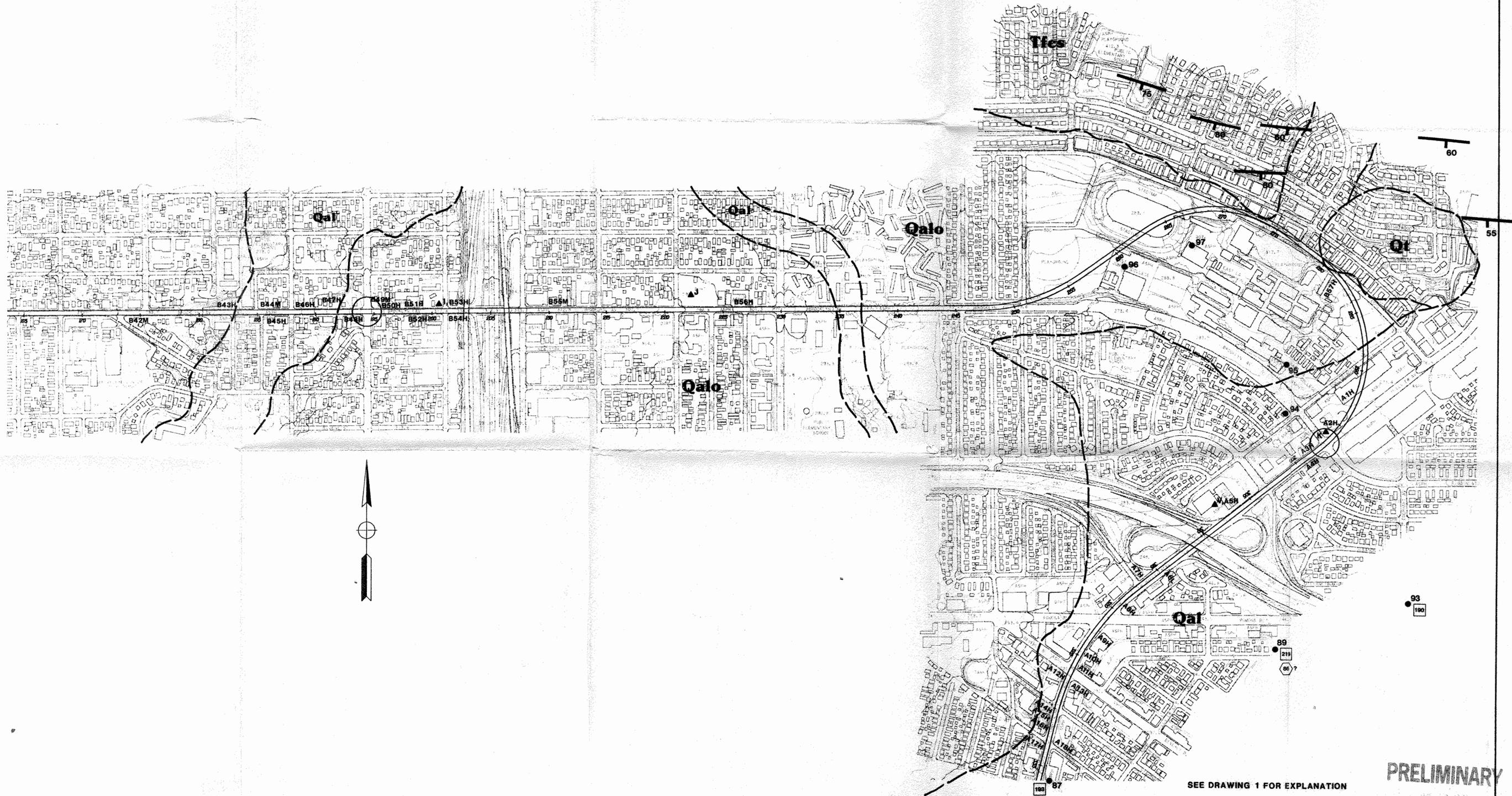
Parsons Brinckerhoff

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EASTSIDE CORRIDOR
ROUTE ALIGNMENTS
AND STATIONS

CONTRACT NO	
DRAWING NO	REV
SCALE: 1" = 400'	
SHEET NO 1 OF 4	

1/15/92, 2/11/92, 4/24/92, 5/14/92, 6/18/92, 7/13/92



SEE DRAWING 1 FOR EXPLANATION

PRELIMINARY

GEOLOGIC AND ENVIRONMENTAL MAPS

LOS ANGELES METRO RED LINE
 Eastern Extension Corridor Study Area
 for: Parsons, Brinckerhoff, Quade & Douglas, Inc.

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 Checked By: DS
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Project No. 90-31-328-01
 Drawing No. 4

Converse Consultants West

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DRAWN BY
CHECKED BY
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DATE

LOS ANGELES COUNTY TRANSPORTATION COMMISSION
 Eastside Corridor AA/DEIS/DEIR

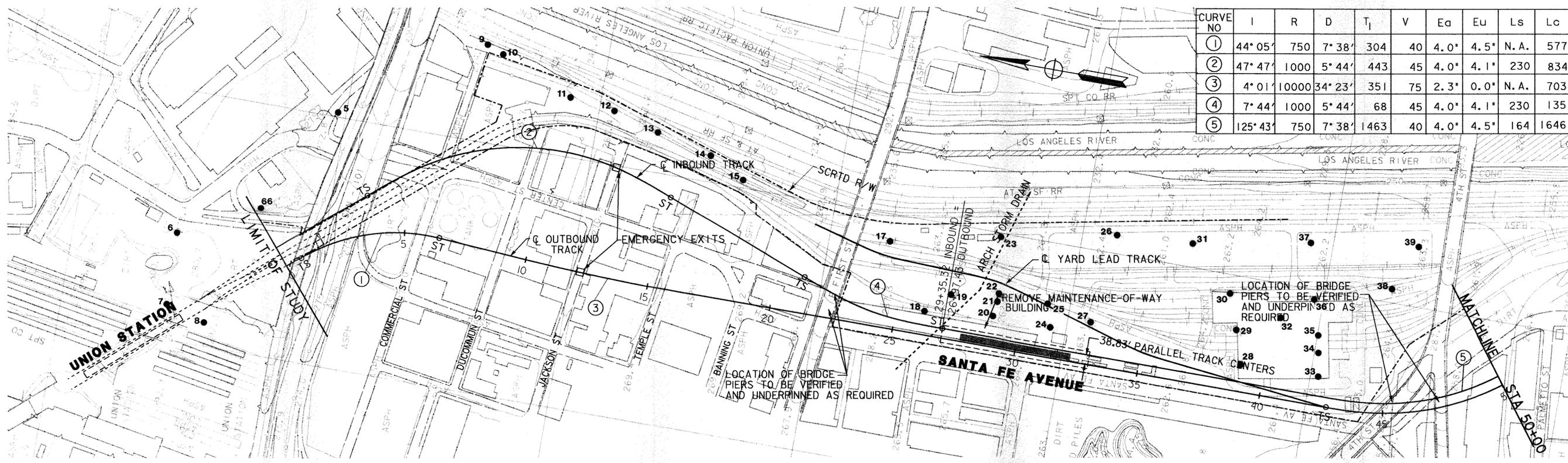
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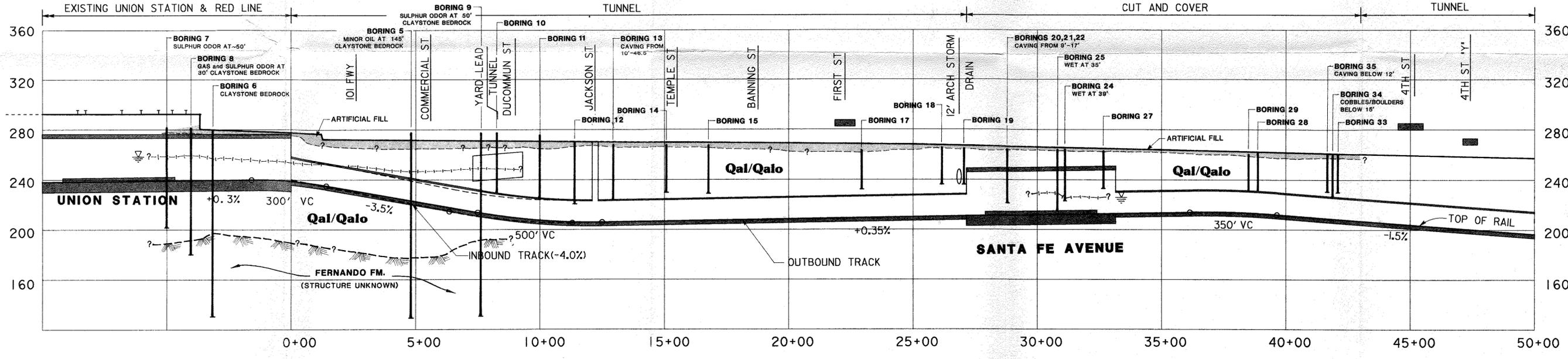
**EASTSIDE CORRIDOR
 ROUTE ALIGNMENTS
 AND STATIONS**

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PLAN



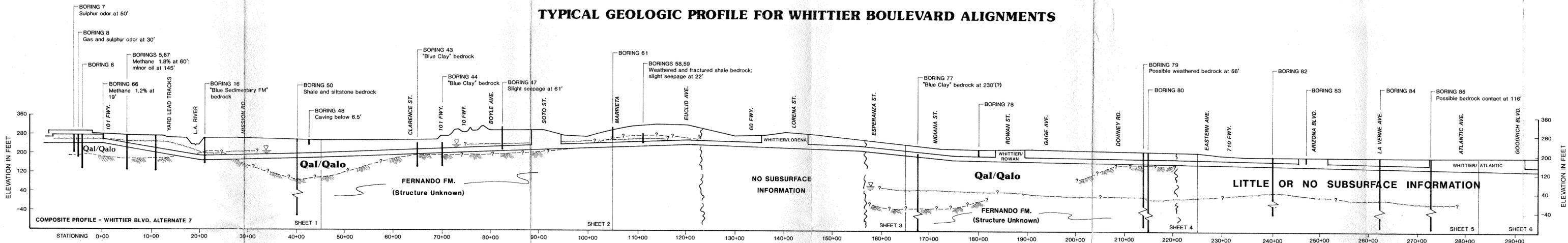
PROFILE

NOTE: PLANS ARE PRELIMINARY AND SUBJECT TO CHANGE

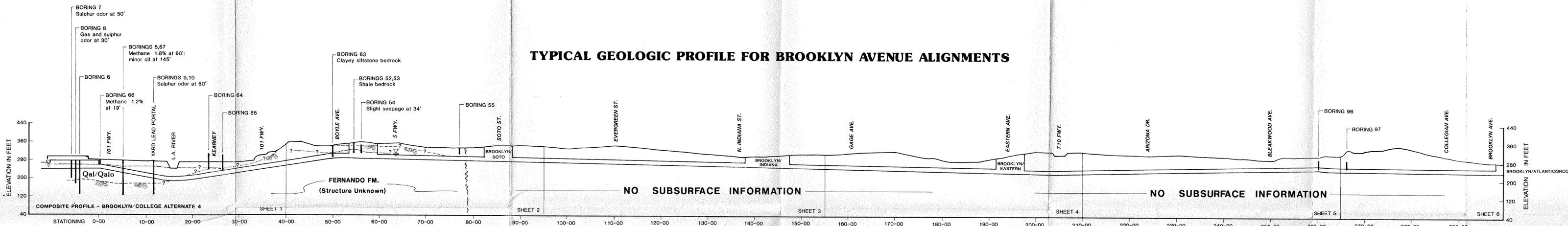
PLAN and GEOLOGIC CROSS SECTION LOS ANGELES METRO RED LINE Eastern Extension Corridor Study Area for: Parsons, Brinckerhoff, Quade & Douglas, Inc.		Scale: as shown Date: 7/17/92 Prepared By: DSS Checked By: DS Approved By: HAS		Project No. 90-31-328-01 Drawing No. 5		Information confidential, all plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Transportation Commission and shall not be used for any purpose not provided for in agreements with the Los Angeles County Transportation Commission.		DESIGNED BY DRAWN BY CHECKED BY APPROVED BY DATE		LOS ANGELES COUNTY TRANSPORTATION COMMISSION Eastside Corridor AA/DEIS/DEIR Parsons Brinckerhoff		FIRST STREET WITH SANTA FE AVENUE YARD STATION ALTERNATIVE 6A		CONTRACT NO. DRAWING NO. SCALE: HORIZ 1"=200' VERT 1"=40' SHEET NO. 1 OF 8	
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FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3

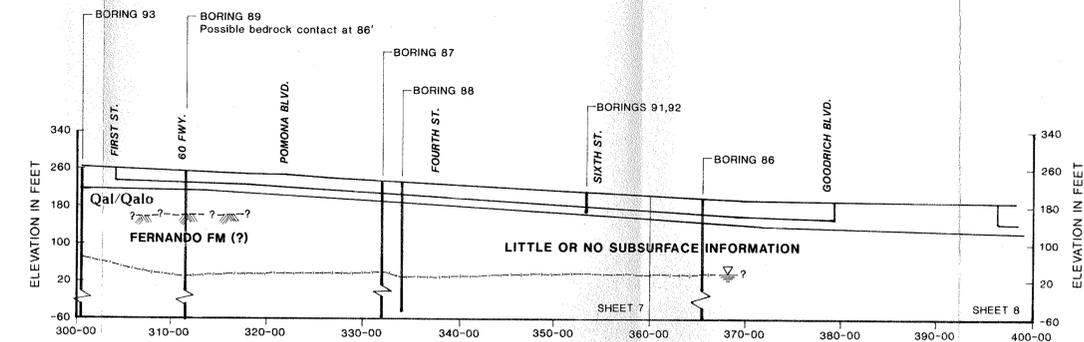
TYPICAL GEOLOGIC PROFILE FOR WHITTIER BOULEVARD ALIGNMENTS



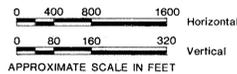
TYPICAL GEOLOGIC PROFILE FOR BROOKLYN AVENUE ALIGNMENTS



TYPICAL GEOLOGIC PROFILE ALONG ATLANTIC BOULEVARD



NOTES: 1.) EVERY BORING SHOWN ON THE PROFILES IS PROJECTED, SOME AS MUCH AS SEVERAL HUNDRED FEET. ACTUAL CONDITIONS ENCOUNTERED IN THE FIELD MAY VARY. CARE SHOULD BE USED IN INTERPRETING OR EXTRAPOLATING SUBSURFACE CONDITIONS.
 2.) SCALES ARE APPROXIMATE. ERRORS WERE INTRODUCED DURING REPRODUCTION.



GEOLOGIC CROSS SECTIONS

LOS ANGELES METRO RED LINE
 Eastern Extension Corridor Study Area
 for: Parsons, Brinckerhoff, Quade & Douglas, Inc.

Scale: as shown
 Date: 7/17/92
 Project No: 90-31-328-01
 Prepared By: DSS
 Checked By: DS
 Approved By: HAS

APPENDIX A
SUMMARY OF SUBSURFACE DATA

90-31-328-01

Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
Segment 3/MOS-3

Summary of Subsurface Data

DRAWING NO	BORING NO	REFERENCE (OLD BORING NO.)	ELEV	TOTAL DEPTH	GEOLOGY	DEPTH TO GROUND WATER	COMMENTS
1	1	CFE, 1967 67-451-E	---	8	0-2 Fill, gravelly sand & silt 2-8 Silty sand & sandy gravel	NE	---
	2	LACFCD (2774)	283	100	0-88 Sand, gravel & boulders 88-100 Shale	31.5 (1942)	---
	3	LACFCD (2774F)	283	---	---	30.9 (1942)	---
	4	CWDD, 1981 (CEG 2)	280	100	0-12 Sand 12-100 Puente Fm	---	Claystone & siltstone bedrock, minor oil & gas at = 40', 2" piezo inst, E-log
	5	CWDD, 1981 (CEG 4)	279	150	0-14 Fill 14-21 Gravelly sand 21-101.5 Sandy gravel 101.5-150 Puente Fm	32 (1983)	Primarily claystone bedrock, minor oil at = 145', 2" piezo inst, E-log
	6	CWDD, 1981 (CEG 5)	280	150	0-84 Sandy gravel 84-150 Puente Fm	23 (1983)	Primarily claystone bedrock, 4" piezo inst, E-log, downhole & crosshole surveys
	7	CCI, 1984 (5-4)	281	80	0-4 Fill, sandy silt 4-80 Yng alluv, sand & gravelly sand	22 (1983)	Sulphur odor at = 50' +
	8	CCI, 1984 (5-5)	281	100	0-5.5 Fill, sandy silt & silty sand 5.5-90 Yng alluv, sand & gravelly sand 90-100 Puente Fm	22 (1983)	Claystone bedrock, gas & sulphur odor at = 30' + piezo inst
	9	CWDD, 1981 (CEG 3)	281	150	0-5.5 Fill, silty sand 5.5-38.5 Gravelly sand 38.5-89 Silty sand w/ grav 89-150 Puente Fm	31.8 (1981)	Primarily claystone bedrock, sulphur odor at = 50', 2" piezo inst, E-log
	10	CCI, 1984 (3-1,1a)	279	50	0-12 Fill, silty sand & sand 12-50 Gravelly sand	34 (1984)	2' dia boulder at = 20' 2" piezo inst
	11	CCI, 1984 (3-2)	276	49.5	0-10.5 Fill, silty sand 10.5-22 Yng alluv, silty sand 22-49.5 Gravelly sand	---	---

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Summary of Subsurface Data (cont.)

DRAWING NO	BORING NO	REFERENCE (OLD BORING NO.)	ELEV	TOTAL DEPTH	GEOLOGY	DEPTH TO GROUND WATER	COMMENTS
	12	CCI, 1984 (3-3)	269	50	0-4 Fill, sand & silty sand 4-50 Sand & gravelly sand	---	Very hard, slow drilling below 36'
	13	CCI, 1984 (3-4)	269	46.5	0-3 Fill, sand & silty sand 3-45 Alluvium, sand & silty sand	---	Continuous caving from 10'-46.5'
	14	CCI, 1984 (3-5)	268	40.5	0-3 Fill, sand & silty sand 3-40.5 Alluvium, sand & gravelly sand	---	---
	15	CCI, 1984 (3-8)	268	40.8	0-4 Fill, sand, gravelly sand & silty sand 4-40.8 Alluvium, sand & gravelly sand	---	---
	16	LACFCD (2775)	268	100	0-48 Gravel & boulders 48-100 Blue sedimentary fm. & blue clay (bedrock ?)	52.6 (1975)	"Blue sedimentary fm." bedrock(?) at 48'
	17	CCI, 1984 (3-8)	263	30.7	0-2 Fill, sand & gravelly sand 2-30.7 Sand & gravelly sand	---	High gravel content from 18' +
	18	CCI, 1984 (3-9)	266	30	0-2 Fill, sand 2-16 Sand 16-29 Sandy silt 29-30 Sand	---	Piezometer inst
	19	CCI, 1984 (3-10)	266	29.5	0-2 Fill, sand, gravelly sand & silty sand 2-29.5 Alluvium, sand & gravelly sand	---	---
	20	CCI, 1984 (3-13)	265	39	0-3 Fill, sand, gravelly sand & silty sand 3-39 Alluvium, sand & gravelly sand	---	---
	21	CCI, 1984 (3-33)	266	35	0-6 Fill, sand & silty sand 6-35 Sand with gravel & cobbles	---	Caving from 9'-17'
	22	CCI, 1984 (3-14)	266	45	0-3 Fill, sand, gravelly sand & silty sand 3-45 Sand	---	Boring terminated due to difficult drilling
	23	CCI, 1984 (3-16)	262	20	0-3 Fill, sand & gravelly sand 3-20 Alluvium, sand & gravelly sand	---	---
	24	CCI, 1984 (3-11)	264	40.5	0-2 Fill, sand, gravelly sand & silty sand 2-40.5 Alluvium, sand & gravelly sand	---	Sample is wet at 39'
	25	CCI, 1984 (3-12)	265	50	0-3 Fill, sand, gravelly sand & silty sand 3-50 Alluvium, sand & gravelly sand	---	sample is wet at 35'
	26	CCI, 1984 (3-17)	262	20	0-4 Fill, sand & gravelly sand 4-20 Alluvium, sand & gravelly sand	---	---

Summary of Subsurface Data (cont.)

DRAWING NO	BORING NO	REFERENCE (OLD BORING NO.)	ELEV	TOTAL DEPTH	GEOLOGY	DEPTH TO GROUND WATER	COMMENTS
1	27	CCI, 1984 (3-15)	264	30.5	0-3 Fill, sand 3-30.5 Alluvium, sand & gravelly sand	---	Cobbles from 18'-20', 2" piezo inst
	28	CCI, 1984 (3-18)	262	30	0-5 Fill, gravelly sand, sand & silty sand 5-30 Alluvium, sand & gravelly sand	---	---
	29	CCI, 1984 (3-19)	261	29.5	0-2 Fill, sand, gravelly sand & silty sand 2-29.5 Alluvium, sand & gravelly sand	---	---
	30	CCI, 1984 (3-20)	261	30	0-2 Fill, sand, gravelly sand & sandy silt 0-30 Alluvium, sand & gravelly sand	---	Gravel layer at 18'-19'
	31	CCI, 1984 (3-25)	261	10	0-3 Fill, sand & gravelly sand 3-10 Alluvium, sand & gravelly sand	---	---
	32	CCI, 1984 (3-32)	262	20	0-1 Fill, silty sand 1-20 Sand with gravel	---	Boulders at 14'-16', caving from 7'
	33	CCI, 1984 (3-21)	260	30	0-4 Fill, gravelly sand, sand & silty sand 4-30 Alluvium, sand & gravelly sand	---	Silty sand layers at 28'
	34	CCI, 1984 (3-31)	260	33	0-8 Fill, silty sand & sand 8-33 Sand with gravel	---	Cobbles & boulders from 15'-18' and 26'
	35	CCI, 1984 (3-22)	260	30	0-3 Fill, sand, gravelly sand & silty sand 3-30 Alluvium, sand & gravelly sand	---	Caving from 12'
	36	CCI, 1984 (3-23)	260	31	0-3 Fill, sand, gravelly sand & silty sand 3-31 Alluvium, sand & gravelly sand	---	---
	37	CCI, 1984 (3-26)	261	10	0-2 Fill, sand & gravelly sand 2-10 Alluvium, sand & gravelly sand	---	---
	38	CCI, 1984 (3-24)	259	30	0-9 Fill, sandy silt & silty sand 9-30 Yng alluv, gravelly sand	---	2" piezo inst
	39	CCI, 1984 (3-27)	259	10	0-2 Fill, sand & gravelly sand 2-10 Alluvium, sand, gravelly sand & sandy silt	---	---
	40	USGS, 1977 (2765 A) Texaco UPRR unit 1-1	255	7010	0-125 Qal/Qalo 125-1850 Bedrock	---	Shale bedrock Buried idle-oil
	41	USGS, 1977 (2766 E) Bogco, Signal-Std Exley EH-1	250	1005	0-115 Qal/Qalo 115-195 Qsp 195-1005 Bedrock	---	Siltstone bedrock Buried-idle

Summary of Subsurface Data (cont.)

DRAWING NO	BORING NO	REFERENCE (OLD BORING NO.)	ELEV	TOTAL DEPTH	GEOLOGY	DEPTH TO GROUND WATER	COMMENTS
1	42	CDA, 1969: 69-564-A (1-4)	*95	20	0-4 Fill, sandy silt & silty sand 4-20 Sand with gravel and cobbles	NE	---
	43	USGS, 1977 (2776 A) DWP	245	100	0-50 Qal/Qalo 50-100 Bedrock	---	11'-82' Boulders "Blue clay" bedrock
	44	USGS, 1977 (2776 B) DWP	245	100	0-50 Qal/Qalo 50-100 Bedrock	---	"Blue clay" bedrock ..
	45	CFE, 1957 57-188-A (1-6)	*286	35	0-5 Fill, silt & silty sand 5-35 Silt, silty sand & sand with gravel	NE	---
	46	USGS, 1977 (2776 C) ARCO, LA River Comm 1-1	241	2924	0-107 Qal/Qalo 107-2924 Bedrock	---	107-770 Shale 770-1350 Sandstone & siltstone Buried-idle
	47	USGS, 1977 (2786 A)	317	95	0-95 Qalo	61 (1955)	18'-50' 5% to 10% cobbles 61' Slight seepage
	48	CFE, 1957 57-203-A (1-4)	*104	18	0-4 Fill, silt & silty sand 4-18 Sand with gravel & cobbles	NE	Caving below 6.5'
	49	CFE, job no. 556 (1-5)	*269	26	0-5 Fill, silty sand 5-26 Sand & silty sand with gravel and cobbles	NE	10'-26' 10% to 30% gravel and cobbles
	50	USGS, 1977 (2775 A) Dept of Parks & Rec CH- 2	260	6054	0-167 Qal/Qalo/Qsp? 167-6054 Bedrock	---	167-1500 Shale and siltstone bedrock Drilling-idle
	51	CEW, 1989 89-41-538-01 (BH-1-BH-7)	*344	---	---	---	---
	52	USGS, 1977 (2785 B)	352	40	0-40 Bedrock	NE	Shale bedrock
	53	USGS, 1977 (2785 C)	342	35	0-25 Qt 25-35 Bedrock	26 (1971)	Weathered shale bedrock, 26' slight seepage
	54	USGS, 1977 (2785 D)	344	36	0-4 Fill 4-36 Bedrock	34 (1971)	34' Slight seepage

Summary of Subsurface Data (cont.)

DRAWING NO	BORING NO	REFERENCE (OLD BORING NO.)	ELEV	TOTAL DEPTH	GEOLOGY	DEPTH TO GROUND WATER	COMMENTS
1	55	USGS, 1977 (2795 A) LACFCD	335	21	0-21 Qt	NE	No caving
	56	CEW, 1989 89-41-132-01 (BH-1-BH-9)	300 +	20	0-20 Clay, silty clay & silt	NE	---
	57	USGS, 1977 (2785 E) ARCO Industrial Comm 1-1	310	3351	0- < 100 Qal < 100-3351 Bedrock	---	Siltstone & shale bedrock Buried-idle oil well
	58	USGS, 1977 (2786 B)	286	39	0-7 Fill 7-12 Qal 12-39 Bedrock	22 (1987)	7'-12' Cobbles Weathered & fractured shale bedrock, no caving 22' Slight seepage
	59	USGS, 1977 (2786 C)	274	10	0-2 Fill 2-3 Qal/Qal 3-10 Bedrock	NE	Weathered & fractured shale bedrock, no caving
	60	CFE, 1953 1683 (BH-1-BH-5)	100	25	0-25 Sand & sand with gravel	NE	10% to 40% gravel below 10'
	61	LTE, 1949 Job no 349 (BH-1-BH-7)	*314	40	0-13 Fill, sandy to clayey 13-40 Sand with gravel below 25'	---	---
	62	LTE, 1957 Job no 1044 (BH-1-BH-5)	*255	30	0-14 Fill 14-30 Sand, locally clayey	---	---
	63	LTE, 1964 Job no 1808 (BH-1 & BH-2)	---	45	0-45 Bedrock, clayey siltstone	26 (1964)	*5' of fill in one boring, flowing groundwater at 28'in BH-1, trace of water at 34' in BH-2
	64	Kaiser Eng, 1962 (WC-122)	*317	*73	0-33 Older alluv, sand, silt, clay & gravel 33-73 Bedrock, undiff	--	---
	65	Kaiser Eng, 1962 (WC-123)	*313	*63	0-25 Older alluv, sand, silt, clay & gravel 25-63 Bedrock, undiff	---	---
	66	Eng Sci, 1984 (probe 5)	---	---	---	---	Methane monitoring probe, max methane = 1.2% in air by vol at a depth of 19'

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Summary of Subsurface Data (cont.)

DRAWING NO	BORING NO	REFERENCE (OLD BORING NO.)	ELEV	TOTAL DEPTH	GEOLOGY	DEPTH TO GROUND WATER	COMMENTS
1	67	Eng Sci, 1984 (probe 6)	---	---	---	---	Methane monitoring probe, max methane = 1.8% in air by vol at a depth of 60'
	68	CDOG, FM-119, 1991 (Arco Evergreen* 57-7110 [1])	---	---	---	---	Buried-idle
	69	CDOG, FM-119, 1991 (ARCO "Boyle Community" 48-5868 [17-1])	---	---	---	---	Buried-idle
	70	CDOG, FM-119, 1991 (Chevron BEW-1, BEW-2 71-8753, 71-7653)	---	---	---	---	Drilling-idle
	71	CDOG, FM-119, 1991 (Union "San Antonio E H" 84-5203 [1])	---	---	---	---	Drilling-idle
	72	CDOG, FM-119, 1991 (Industrial Royalties CO "Corehole" 54-2130 [1])	---	---	---	---	Drilling-idle
2	73	CDMG, 1970 #13 (Richfield Oil Corp Boyle Comm. 33-1)	---	5902	---	---	Plugged and abandoned, dry hole
	74	CEW, 1989 88-41-239-15 (BH-1 - BH-8)	---	45	0-39 Sand and silty sand 39-45 Silty clay and clay	NE	OVA readings vary from < 1 ppm to > 1000 ppm
	75	CDA, 1970 70-183-A (BH-1 - BH-8)	*275	30	0-12 Clay & silty sand 12-30 Silty sand & sand	NE	10-30% gravel and cobbles below 12'
	76	CDA, 1967 67-271-A (BH-1 - BH-7)	*270	25	0-12 Clay & sandy silt 12-25 Silty sand & sand	NE	5-25% gravel below 12'
	77	LACFCD (2807)	200	556	0-230 Sandy clay & gravel 230-556 Blue clay & sand (bedrock ?)	156 (1890)	"Blue clay" bedrock(?) at 230'
	78	CFE, 1963 63-573-A (BH-1 - BH-4)	*219	20	0-9 Clayey silt with sand 9-20 Silty sand	NE	10-30% Gravel and rock below 9'

Summary of Subsurface Data (cont.)

DRAWING NO	BORING NO	REFERENCE (OLD BORING NO.)	ELEV	TOTAL DEPTH	GEOLOGY	DEPTH TO GROUND WATER	COMMENTS
2	79	LACFCD (2827F)	211	750	0-58 Gravel to 4" 58-401 Yellow & red clay with streaks of blue 401-750 Blue clay & sand	187 (1983)	Possible weathered bedrock at 58'
	80	LACFCD (2827J)	211	---	---	201 (1979)	---
	81	CDA, 1970 70-030-A (BH-1 - BH-8)	~98	20	0-20 Clayey silt, silt & silty sand	NE	Gravel to 3" below 15'
	82	LACFCD (2837B)	197	---	---	158 (1991)	---
	83	CDA, 1970 70-259-A (BH-1 - BH-2)	~100	20	0-10 Silt with sand & clay 10-20 Clay with silt & gravel	NE	---
3	84	LACFCD (2837C)	187	498	0-498 Brown clay with sand & gravel	184 (1991)	Unable to differentiate bedrock contact based on drillers log
	85	LACFCD (2847)	190	534	0-56 Red clay & gravel 56-116 Gravel 116-534 Clay, sand & gravel	202 (1980)	Possible bedrock contact at 116'
	86	LACFCD (2847B)	203	470	0-440 Clay, sand & gravel 440-470 Blue clay & blue sand	184 (1991)	Unable to differentiate bedrock contact based on drillers log
	87	LACFCD (2847C)	228	530	0-482 Clay, sand & gravel 482-530 Blue clay & sand	193 (1991)	Unable to differentiate bedrock contact based on drillers log
	88	LACFCD (2857C)	228	278	0-278 Clay, sand & gravel	203 (1987)	Unable to differentiate bedrock contact based on drillers log
	89	LACFCD (2856C)	248	500	0-500 Hard yellow clay, sand & gravel	219 (1991)	Possible bedrock contact at 86'
	90	LTE, 1961 job no. 1445 (BH-1 - BH-6)	~247	45	0-35 Silt & clay 35-45 Silty sand & sand	NE	---
	91	LTE, 1964 job no. 1826 (BH-1 - BH-3)	---	45	0-45 Silt & clay locally with sand & gravel	NE	---

Summary of Subsurface Data (cont.)

DRAWING NO	BORING NO	REFERENCE (OLD BORING NO.)	ELEV	TOTAL DEPTH	GEOLOGY	DEPTH TO GROUND WATER	COMMENTS
3	92	LTE, 1965 job no. 1874 (BH-1 - BH-7)	---	45	0-40 Silt & clay 40-45 Gravelly, clayey silt	NE	---
4	93	LACFCD (2856D)	256	460	0-460 Clay, sand & gravel	190 (1991)	Unable to differentiate bedrock contact based on drillers log
	94	CFE, 1965 64-808-A (BH-1 - BH-5)	*267	30	0-12 Clayey silt 12-30 Sand	NE	10-30% gravel below 12'
	95	LTE, 1958 job no. 1174 (BH-1 - BH-8)	~315	30	0-30 Sand & silty sand	NE	---
	96	LTE, 1962 job no. 1511 (BH-1 - BH-4)	~286	30	0-9 Fill, clayey sand 9-30 Sandy & clayey silt	NE	---
	97	LTE, 1969 job no. 2328 (BH-1 - BH-5)	---	30	0-30 Silty clay	NE	---

- CFE - Converse Foundation Engineers
- CWDD - Converse Ward Davis Dixon
- CCI - Converse Consultants, Incorporated
- CDA - Converse Davis Associates
- CEW - Converse Environmental West
- CDOG - California Division of Oil and Gas
- CDMG - California Division of Mines and Geol.
- Eng Sci - Engineering Science
- Kaiser Eng. - Kaiser Engineering
- LACFCD - LA County Flood Control District
- LTE - Leonard T. Evans Foundation Engineers
- USGS - United States Geological Survey

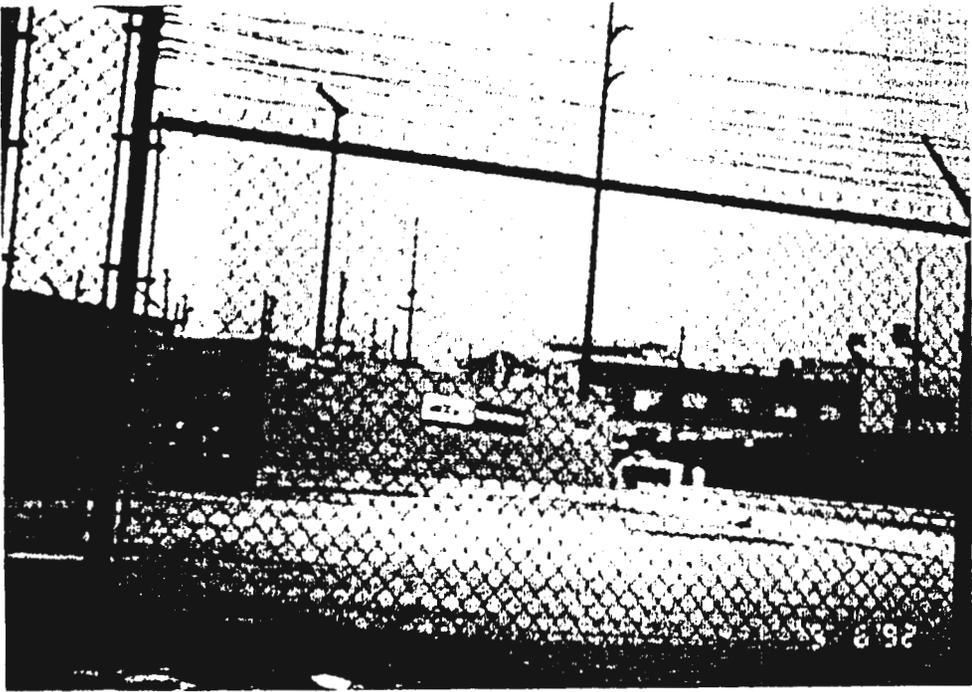
APPENDIX B

FIELD RECONNAISSANCE SURVEY PHOTOGRAPHS

90-31-328-01

LEGEND TO FIELD RECONNAISSANCE SURVEY PHOTOGRAPHS

1. **Unocal Center Street Terminal (F1 H).** Storage and fueling area for Unocal products. ASTs observed. A high potential for environmental impact exists based on the type of operation.
2. **Manley Oil Company (F3 H).** Oil refining and distribution facility. A high potential for environmental impact exists based on the type of operation.
3. **George's Auto Dismantling and Lucio's Auto Wrecking (AN1 H).** Two adjacent auto wrecking facilities. Auto parts scattered over the site and very heavy surface staining observed. A high potential for environmental impact exists based on visual observations.
4. **Facility name: unknown (AN3 H).** Two structures appearing to be vacant. One structure has the appearance of a service garage. Diesel trucks are located in the parking lot. Pump Island observed. A high potential for environmental impact exists based on visual observations.



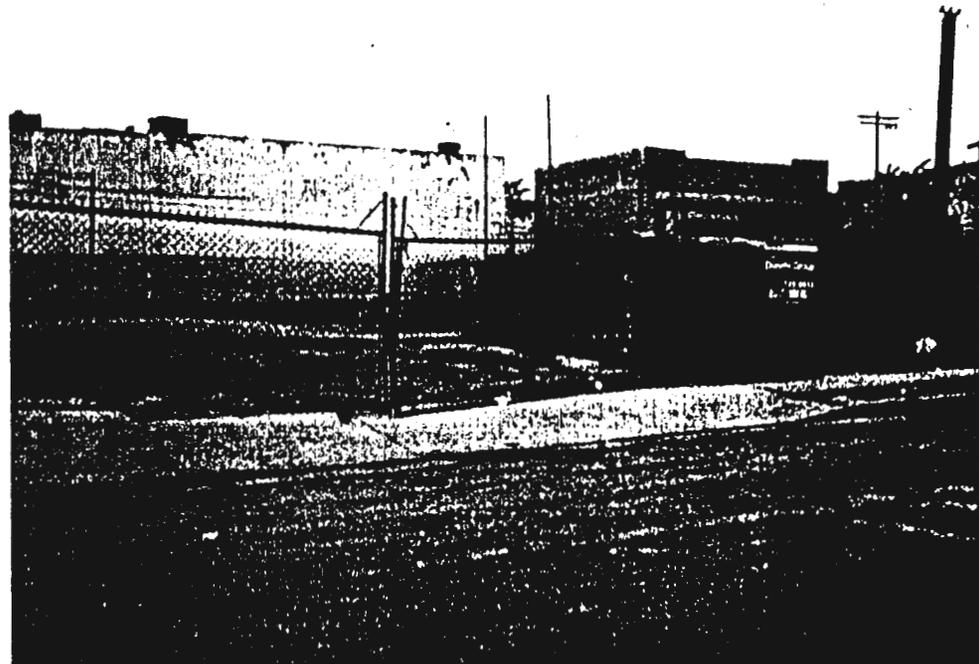
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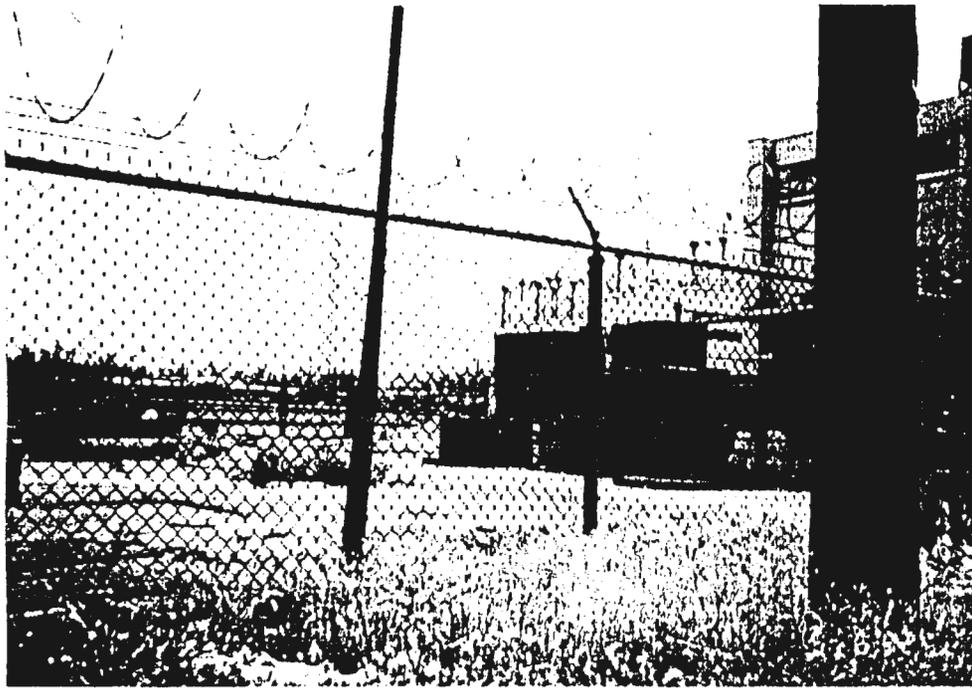


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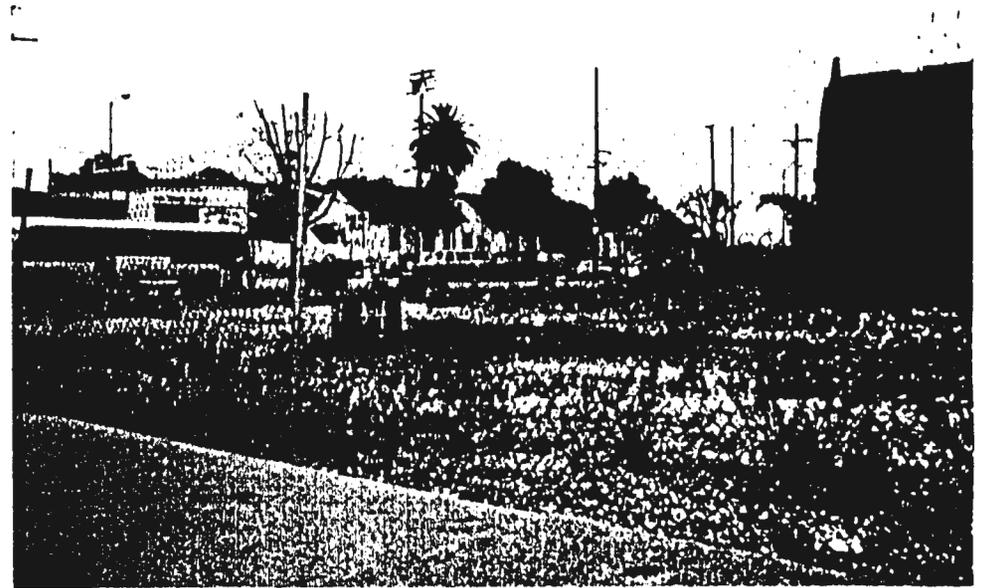


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5. Sun Chemical, General Printing Ink Division (S6 H and Site M). Chemical manufacturing facility. Numerous 55-gallon drums observed. The site is listed as the BASF Inmont Facility on the LUST. Soil and ground water contamination has occurred at this facility and the contamination may have migrated off-site. A high potential for environmental impact exists based on the regulatory agency findings.
6. Southwest corner of Brooklyn Avenue & State Street (B11 H). Vacant lott with thirty-five to forty 55-gallon drums noted. Location appears to be under environmental investigation. A high potential for environmental impact exists based on visual observations.
7. Brooklyn Radiator Service and Machine Shop (B19 H). Auto parts sales, machine shop and radiator service. Surface staining observed in the radiator repair area. A high potential for environmental impact exists based on the type of operation and visual observations.
8. Vacant Lot (B43 H). Vacant lot with four 55-gallon drums present. No indication of the use of the property or the nature of the abandoned drums. A high potential for environmental impact exists based on visual observations.



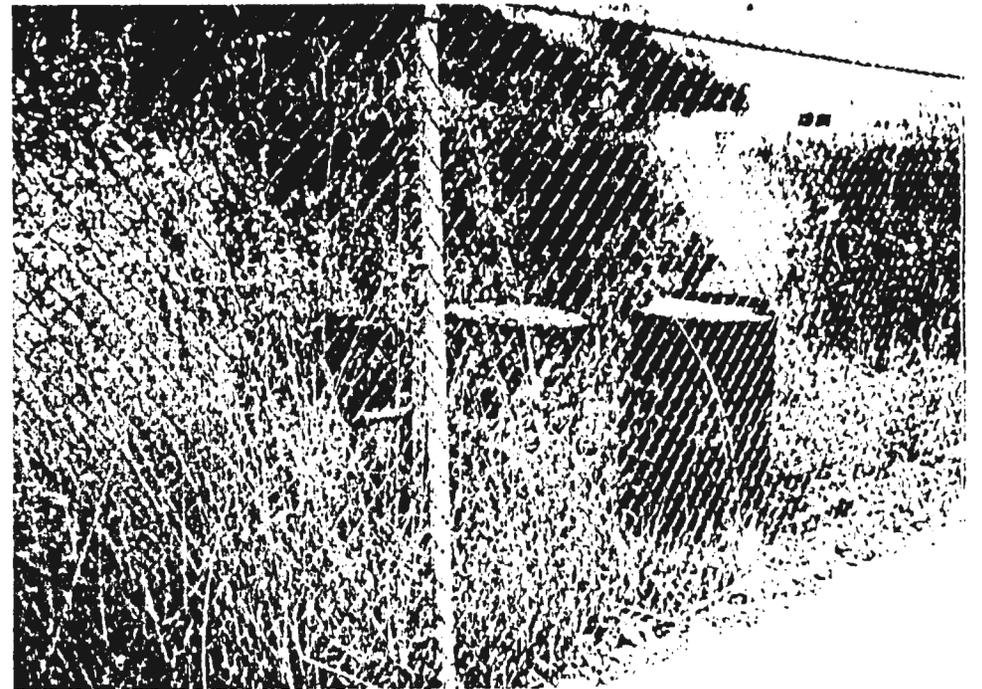
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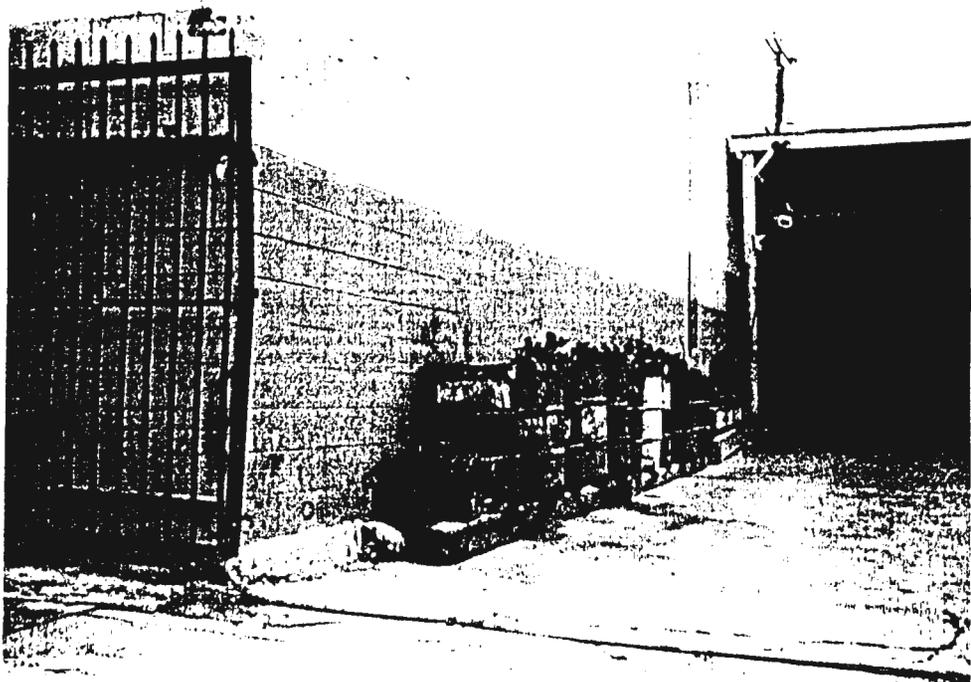
9. De La Rosa Mufflers Shop (B45 H). Auto repair facility. Heavy surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
10. Goodyear/Andy's Transmission (B51 H). Auto repair facility. Heavy surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
11. A & N Engine Rebuilders (B52 H). Auto repair facility. Multiple 55-gallon drums filled with auto parts present. Surface staining noted around the 55-gallon drums and in the main building. A high potential for environmental impact exists based on the type of operation and visual observations.
12. A & S Auto Wrecking (F5 H). Wrecking yard. 55-gallon drums, a forklift, and numerous car parts visible. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.



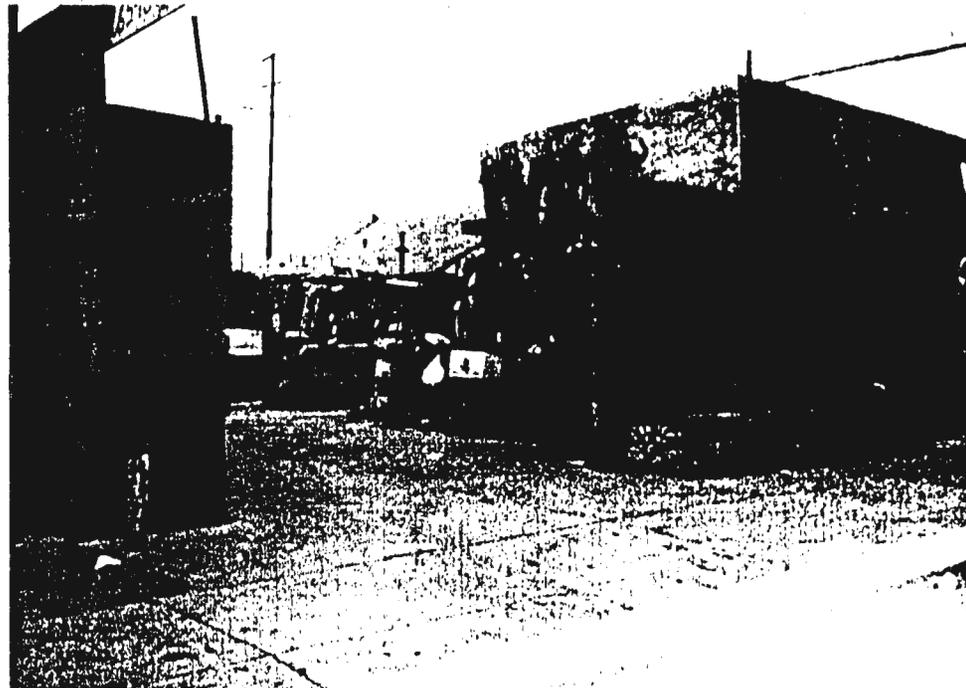
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13. Shell Service Station (F9 H). Pump islands are present but the fuel dispensers have been removed. A large excavation is present. Auto repair appears to be occurring in the service bays. One 55-gallon paper barrel covered with oil is visible. A high potential for environmental impact exists based on the type of operation and visual observations.
14. Same as photograph #13.
15. CD Transmission, Marlenes, Corbian Auto Sales (F15 H). Auto repair facilities. 55-gallon drums, hydraulic lifts and heavy surface staining visible. A high potential for environmental impact exists based on the type of operations and visual observations.
16. M.Y. Service (F18 H). Site appears to be a former gasoline station. Auto repair is currently occurring on the site. 55-gallon drums are visible. A high potential for environmental impact exists based on the type of operation and visual observations.

17. Facility name: unknown (F19 M). Fenced lot with three parked diesel trucks. 55-gallon drums and surface staining are visible. A moderate potential for environmental impact exists based on visual observations.
18. Quinteros and Sons Tires (W12 H). Auto repair and tire facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation.
19. J & A General Auto Repair and Engine Overhaul (W31 H). Auto repair facility. A high potential for environmental impact exists based on the type of operation.
20. Aguilar Body Shop (W35 H). Auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.



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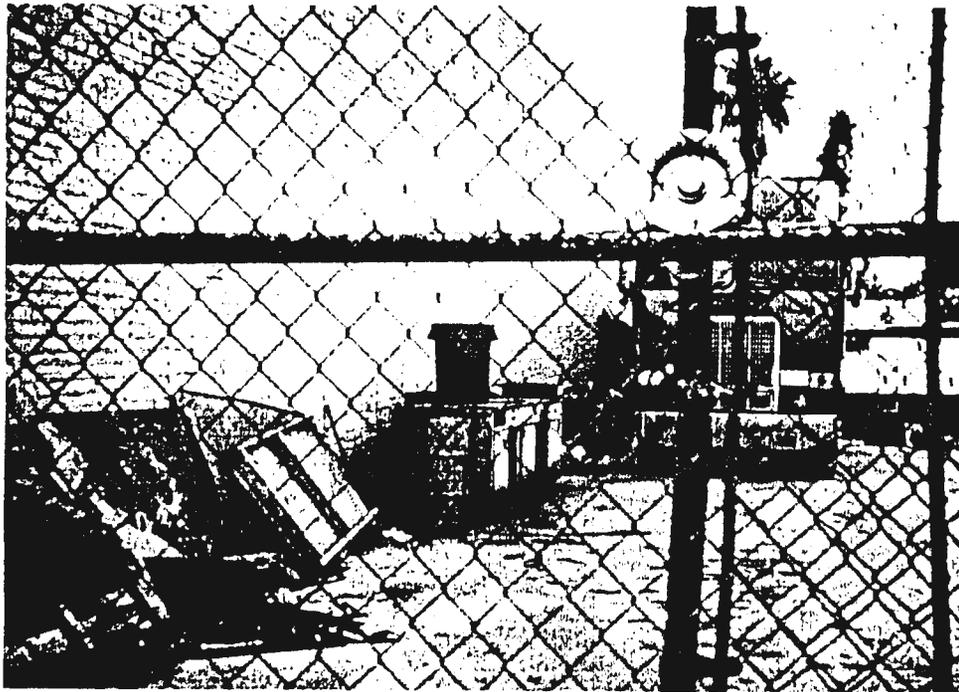
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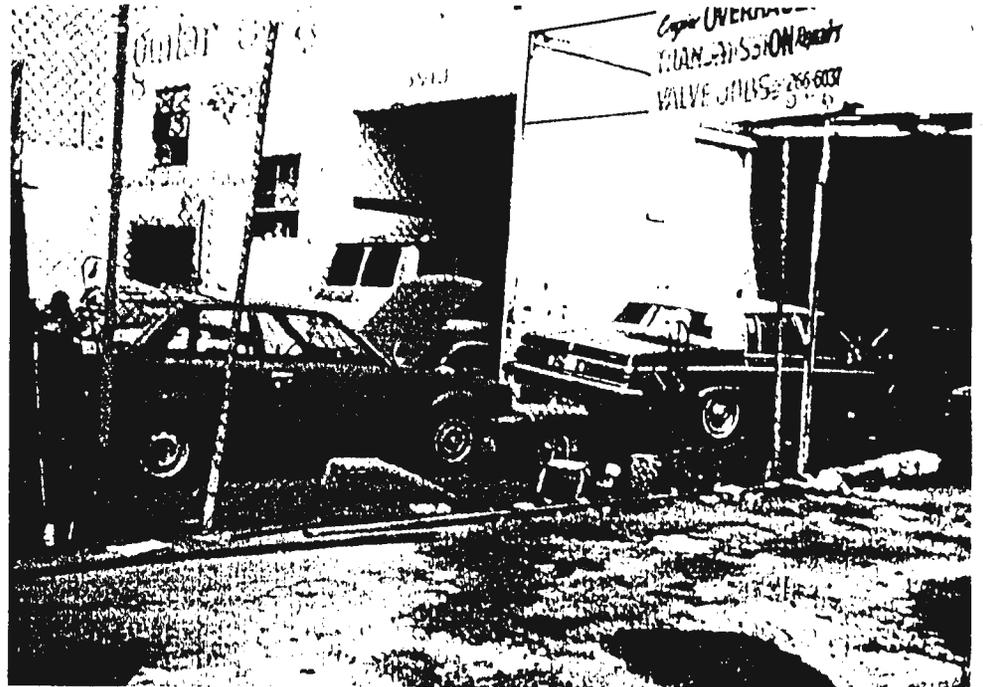
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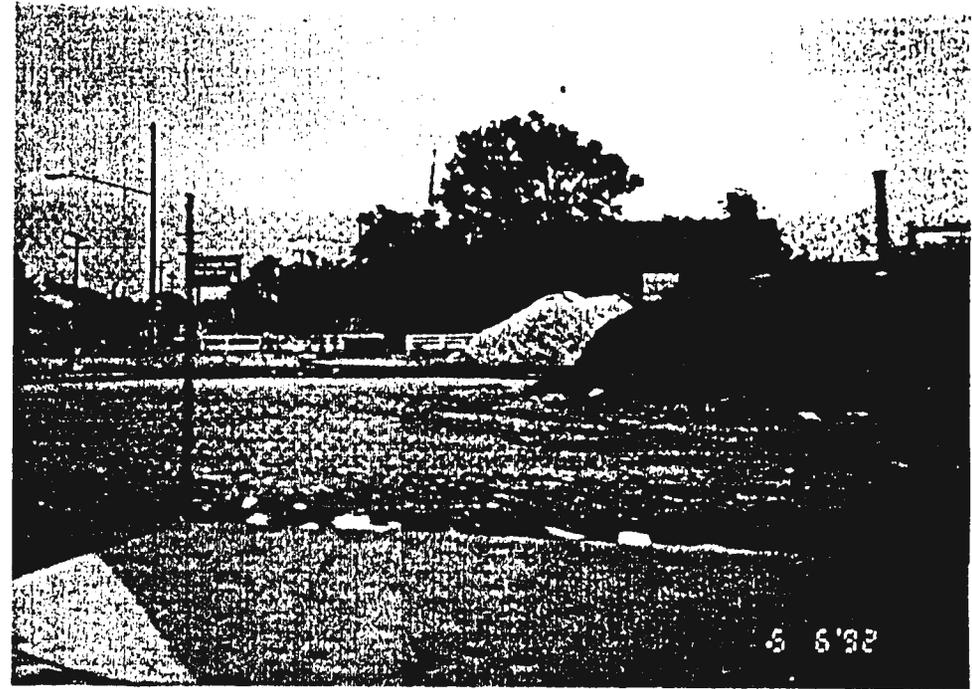


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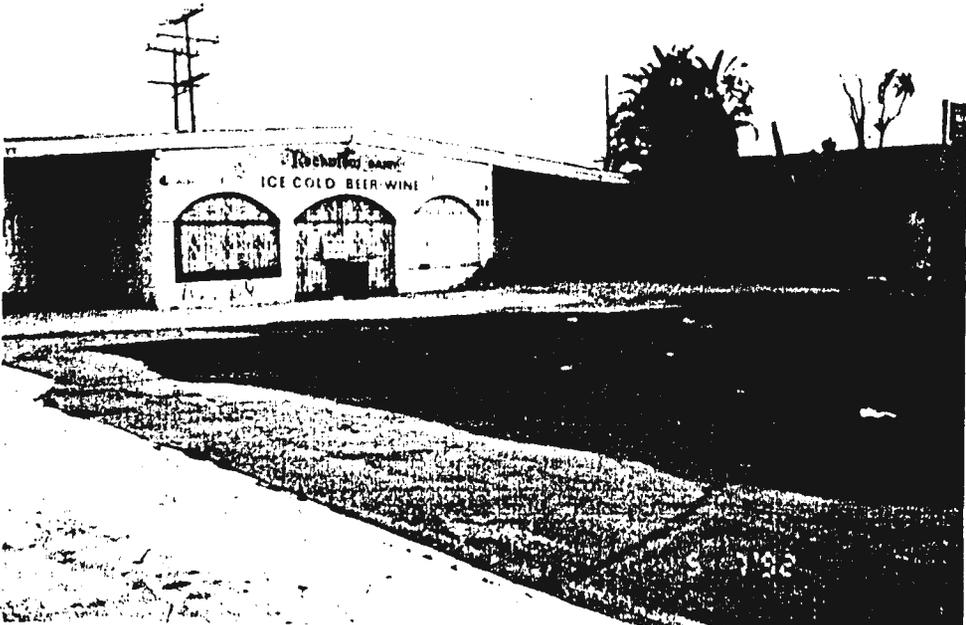
21. **A & F Auto Parts (W36 H). Engine rebuilding and auto repair facility. Surface staining observed. Hydrocarbon odor detected from Whittier Boulevard. A high potential for environmental impact exists based on the type of operation and visual observations.**
22. **Vacant lot (I3 H). Fenced lot with no structures. Site appears to be under remediation. Two large covered soil piles observed. A high potential for environmental impact exists based on visual observations.**
23. **Rockview Dairy (A10 H). Site appears to be a former gasoline station. A high potential for environmental impact exists based on visual observations.**
24. **Auto Liquidations (A31 M). Structures appear vacant and no vehicles are present on the lot. Car parts are hanging over a fence. Surface staining observed. A moderate potential for environmental impact exists based on visual observations.**



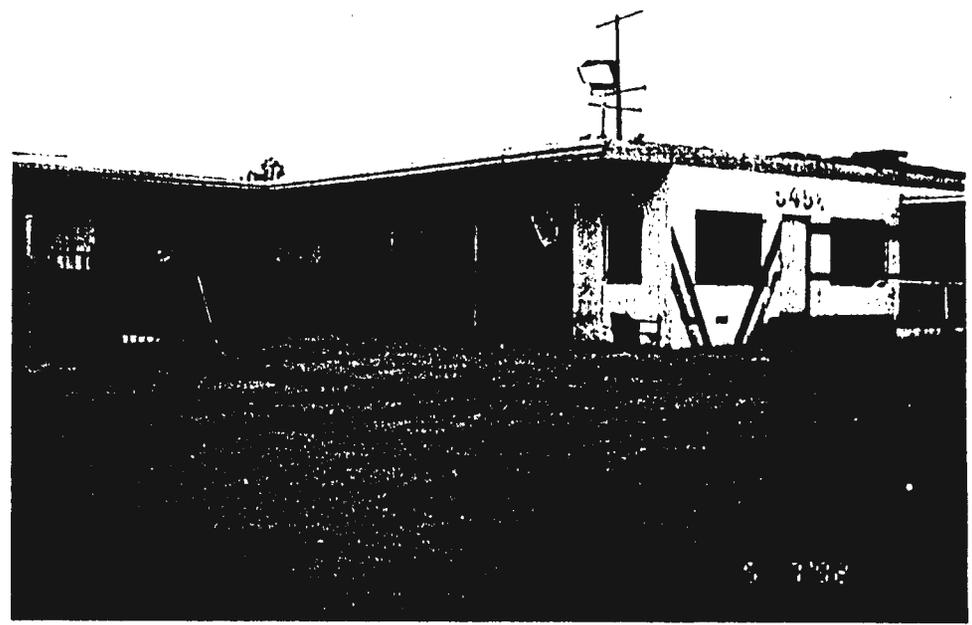
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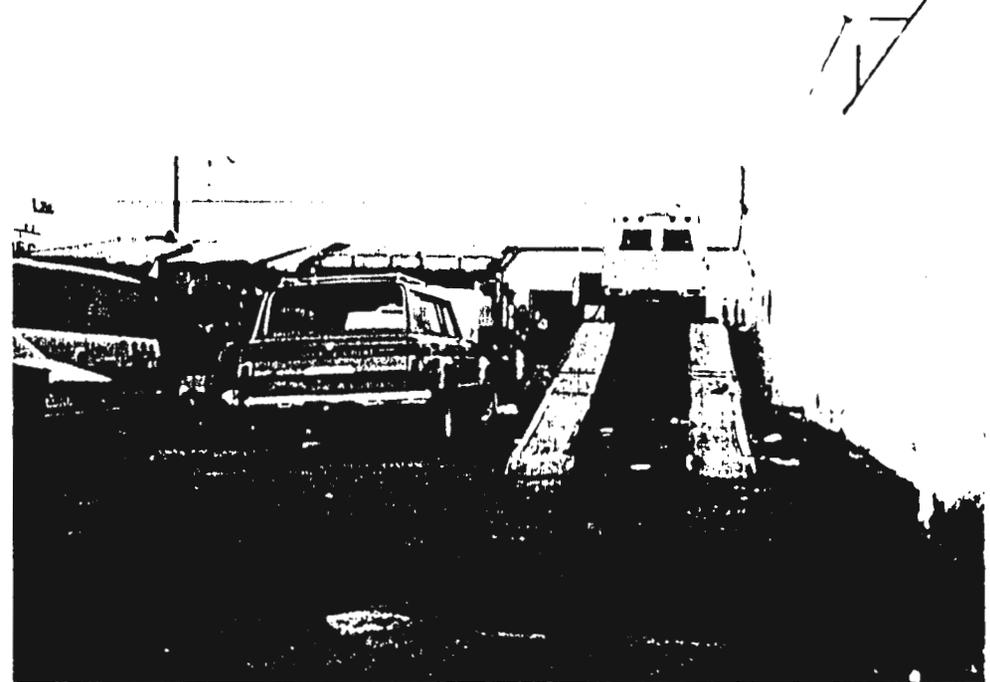


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25. **Jesse's Auto Sales (A34 H). Sales and auto repair facility. The portion of the property which fronts Atlantic Boulevard is the sales facility. The portion of the property which fronts 6th Street appears to be the auto repair facility. Heavy staining observed. Water with a prominent oil sheen was observed running from the facility over the sidewalk and into the street gutter. A high potential for environmental impact exists based on the type of operation and visual observations.**
26. **Mario's Transmission (A42 H). Auto repair facility. Storage of auto parts and surface staining visible from Atlantic Boulevard. Located in the rear of the property, near the alley way, surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.**



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APPENDIX C
FIELD RECONNAISSANCE SURVEY TABLES

90-31-328-01

TABLE 1

**Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
Segment 3/MOS-3**

Total Number of Field Reconnaissance Sites by Alternative Alignment

	Alt. 3	Alt. 4	Alt. 5	Alt. 6A	Alt. 6B	Alt. 7	Alt. 8A	Alt. 8B	Alt. 9A	Alt. 9B	Alt. 10
# of Field Recon. Sites	69	111	63	66	69	79	78	80	65	68	107

**Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
Segment 3/MOS-3
Field Reconnaissance Survey Results
Identification Numbers Consecutive From West to East**

Brooklyn Avenue/Alternative 3

	SITE/LOCATION	VISUAL INSPECTION SUMMARY
F1 H	Unocal Center Street Terminal Northwest Corner of Center Drive & Ducommun Street Los Angeles	Storage and fueling area for Unocal products. ASTs observed. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
F2 H	Viertels Auto Wrecking 500 Center Drive Los Angeles	Fenced wrecking yard. A high potential for environmental impact exists based on type of operation.
B1 H	Friedman Bag Company 801 Commercial Street Los Angeles	Warehouse type structure. See Site C on the Regulatory List Search Results table. A high potential for environmental impact exists based on the possible presence of an UST.
B2 L	A & H Greenfield Metal 830 East Commercial Street Los Angeles	Warehouse type structure. See Site D on the Regulatory List Search Results table. A low potential for environmental impact exists based on the regulatory agency status.
B3 H	Peck Hills Furniture Located Adjacent to the Northwest Corner of Mission Road and Via La Reina Los Angeles	Warehouse type structure. A high potential for environmental impact exists based on the type of operation.
B4 M	El Pato/Walker Foods South of 333 North Mission Road Los Angeles	Appears to be a food processing plant. A moderate potential for environmental impact exists based on the type of operation.
B5 H	Miller Electric Cable Located on the Northwest Corner of Mission Road and Via La Reina Los Angeles	Warehouse type structure. 55-gallon drums observed. A high potential for environmental impact exists based on the type of operation and visual observations.
B6 H	TNT Auto Sales 333 North Mission Road Los Angeles	Auto sales and repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
 Brooklyn Avenue/Alternative 3 (page 2 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B7 M	National Brothers 319 Mission Road Los Angeles	Warehouse type structure. Surface staining observed. A moderate potential for environmental impact exists based on visual observations.
B8 H	Facility name: unknown 1627 Brooklyn Avenue Los Angeles	Auto and cab repair facility. A high potential for environmental impact exists based on the type of operation.
B9 H	Hernandez Muffler 1627 Brooklyn Avenue Los Angeles	Muffler repair facility with three service bays. A high potential for environmental impact exists based on the type of operation.
B10 H	Canutos Mufflers/Phillips Tires 419 Boyle Avenue Los Angeles	Auto repair facility. Presence of former service station canopy and pump islands. Two service bays noted. Surface staining observed. A high potential for environmental impact exists based on possible use as gas station.
B11 H	Southwest corner of Brooklyn Avenue & State Street Los Angeles	Vacant lot with thirty-five to forty 55-gallon drums noted. Location appears to be under environmental investigation. A high potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
B12 H	Shell Service Station 1900 Brooklyn Avenue Los Angeles	Retail gasoline service station. A high potential for environmental impact exists based on the type of operation. See Site G on the Regulatory List Search Results table.
B13 H	Fire Station # 2 1962 Brooklyn Avenue Los Angeles	Location appears to be a recently constructed Fire Station. Possibility of fuel storage appears high due type of operation. A high potential for environmental impact exists based on the type of operation.
B14 H	King Taco Southeast corner of Brooklyn Avenue and Soto Street Los Angeles	Restaurant. The site appears to be a conversion of a former gasoline service station. Two canopy areas with pump islands appear to be present. A high potential for environmental impact exists based visual observations.
B15 L	Martinez Photo 2411 Brooklyn Avenue Los Angeles	One hour photograph shop. A low potential for environmental impact exists based on the type of operation.
B16 H	Karina's Cleaners 2503 Brooklyn Avenue Los Angeles	Dry cleaning facility. A high potential for environmental impact exists based on the type of operation.

**Field Reconnaissance Survey
Brooklyn Avenue/Alternative 3 (page 3 of 8)**

ID. NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B17 H	Brooklyn Auto Service 2617 Brooklyn Avenue Los Angeles	Auto sales and repair facility. A high potential for environmental impact exists based on the type of operation and visual observations.
B18 L	Vazquez Photography 2628 Brooklyn Avenue Los Angeles	One hour photograph shop. Low potential for environmental impact based on the type of operation.
B19 H	Brooklyn Radiator Service and Machine Shop 2802 Brooklyn Avenue Los Angeles	Auto parts sales, machine shop and radiator service. Surface staining observed in the radiator repair area. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
B20 H	Jack's Market Northeast corner of Brooklyn and Forest Avenues Los Angeles	Vacant lot with concrete pads and structures which appears to be in the configuration of a former gasoline station. A high potential for environmental impact exists based on the potential type of operation and visual observations.
B21 H	Pepes Garage 2840 Brooklyn Avenue Los Angeles	Auto repair facility in converted warehouse type building. A high potential for environmental impact exists based on the type of operation.
B22 H	Mas Auto Repair 2817 Brooklyn Avenue Los Angeles	Auto repair facility. Heavy surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
B23 H	RC Garage 2915 Brooklyn Avenue Los Angeles	Auto sales and repair facility. 55-gallon drums and surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
B24 H	Mobil Service Station 2925 Brooklyn Avenue Los Angeles	Retail gasoline service station. Two service bays. A high potential for environmental impact exists based on the type of operation.
B25 H	Brooklyn Tire Service 3025 Brooklyn Avenue Los Angeles	Tire sales facility. Appears to be located in a former gasoline service station. A high potential for environmental impact exists based on the potential type of operation.
B26 H	Beer Mug Helada 3091 Brooklyn Avenue Los Angeles	Retail liquor sales appearing to a former gasoline station or drive through dairy. A high potential for environmental impact exists based on the potential type of operation and visual observations.

Field Reconnaissance Survey
 Brooklyn Avenue/Alternative 3 (page 4 of 8)

ID. NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B27 H	Harold's Body Shop 3251 Brooklyn Avenue Los Angeles	Auto body repair facility with two service bays. 55-gallon drums and surface staining noted. Possible vehicle maintenance operations. A high potential for environmental impact exists based on the type of operation.
11 L	City of Los Angeles, Department of Water and Power 123 Indiana Street Los Angeles	Use of structure is unknown. A low potential for environmental impact exists based on visual observations.
12 H	Martinez Auto Sales 3566 3rd Street (northwest corner of Indiana and 3rd Streets) Los Angeles	Sales and auto repair occurring on site. Minor surface staining observed. A moderate potential for environmental impact exists based on the type of operation and visual observations.
13 H	Vacant lot Southeast corner of Indiana and 3rd Streets Los Angeles	Fenced lot with no structures. Site appears to be under remediation. Two large covered soil piles observed. A high potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
14 H	Facility name: unknown 601 Indiana Street (approximately) Los Angeles	Site appears to be a former gasoline station. Surface staining observed. A high potential for environmental impact exists based on visual observations.
15 M	El Remate Auto Sales 720 Indiana Street (approximately) Los Angeles	Sales facility. A moderate potential for environmental impact exists based on the type of operation.
W32 H	Lantino Americana Mortuary 3827 Whittier Boulevard Los Angeles	Mortuary/funeral home. A high potential for environmental impact exists based on the type of operation.
W33 H	Foster Cleaners 3901 Whittier Boulevard Los Angeles	Dry cleaning facility. Appears dry cleaning is done on site. A high potential for environmental impact exists based on the type of operation.
W34 H	Aegis Rent a Car 3900-3910 Whittier Boulevard Los Angeles	Car rental facility. A potential for auto repair occurring on the site exists. A high potential for environmental impact exists based on visual observations.
W35 H	Aguilar Body Shop 3913 Whittier Boulevard Los Angeles	Auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.

Field Reconnaissance Survey
 Brooklyn Avenue/Alternative 3 (page 5 of 8)

ID. NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W36 H	A & F Auto Parts 3928 Whittier Boulevard Los Angeles	Engine rebuilding and auto repair facility. Surface staining observed. Hydrocarbon odor detected from Whittier Boulevard. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
W37 H	J & F Tire and Automotive Services and Mora's Quality Body Shop 3961 Whittier Boulevard Los Angeles	Two auto repair facilities located at this site. A high potential for environmental impact exists based on the type of operations.
W38 H	Arturo's Ironworks 3970 Whittier Boulevard (approximately) Los Angeles	Appears to be a vacant store front. A high potential for environmental impact exists based on the unknown type of operation.
W39 H	Salgado Automotive Rebuilders 3975 Whittier Boulevard Los Angeles	Auto repair facility. 55-gallon drums used to store car parts. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W40 H	Thrifty Gasoline Station 3990 Whittier Boulevard Los Angeles	Retail gasoline service station. See Site Q on the Regulatory List Search Results table. A high potential for environmental impact exists based on type of operation.
W41 H	Whittier Tire Shop 4001 Whittier Boulevard Los Angeles	Tire repair facility. A high potential for environmental impact exists based on the type of operation.
W42 L	Roto-roter Sewer Service Whittier Boulevard (no address visible) Los Angeles	Office and truck storage facility. A low potential for environmental impact exists based on visual observations.
W43 L	Facility name: unknown 4016 Whittier Boulevard (approximately) Los Angeles	Appears to be a junk yard. Located near the intersection of Gage Avenue. Various household appliances and building materials observed. A low potential for environmental impact exists based on visual observations.
W44 H	Arturo's Ironworks 4001B Whittier Boulevard Los Angeles	Ironworks facility with 55-gallon drums and paint cans observed. A high potential for environmental impact exists based on the type of operation.
W45 M	American Granite 4084 Whittier Boulevard Los Angeles	Head/tomb stone manufacturing. A moderate potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
 Brooklyn Avenue/Alternative 3 (page 6 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W46 H	El Pedorrero 4101 Whittier Boulevard Los Angeles	Muffler repair facility. A high potential for environmental impact exists based on the type of operation.
W47 M	Linares Auto Sales 4118 Whittier Boulevard Los Angeles	Sales facility with possible auto repair area. A moderate potential for environmental impact exists based on the size of operation.
W48 H	Facility name: unknown 4131 Whittier Boulevard Los Angeles	Fenced lot with numerous parked vehicles. Various auto parts observed. A high potential for environmental impact exists based on visual observations and unknown usage.
W49 M	Superior Marble and Granite Works 4161 Whittier Boulevard Los Angeles	Head/tomb stone manufacturing. A moderate potential for environmental impact exists based on the type of operation.
W50 M	Legrand Wilbert Vaults 4169 Whittier Boulevard Los Angeles	Manufacturer of cement caskets. A moderate potential for environmental impact exists based on the type of operation.
W51 H	Tampa Auto Sales 4166½ and 4166 Whittier Boulevard Los Angeles	Sales facility. Sites appear to be a former gas station. A high potential for environmental impact exists based on visual observations.
W52 H	Legrand Wilbert Vaults 4200 Whittier Boulevard Los Angeles	Manufacturer of concrete vaults. In 1991, an UST was removed from the property. Property owner is waiting for closure from the Los Angeles City Fire Department. A high potential for environmental impact exists based on verbal communication.
W52a H	Calvary Cemetery 4201 Whittier Boulevard Los Angeles	Cemetery. A high potential for environmental impact exists based on the type of operation. See Site S on the Regulatory List Search Results table.
W52b H	Home of Peace Memorial Park Southwest Corner of Whittier Boulevard and Eastern Avenue Los Angeles	Cemetery. A high potential for environmental impact exists based on the type of operation.
W53 H	Shell Station 4411 Whittier Boulevard Los Angeles	Retail gasoline service station. A high potential for environmental impact exists based on the type of operation.

**Field Reconnaissance Survey
Brooklyn Avenue/Alternative 3 (page 7 of 8)**

ID. NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W54 H	The Car Depot 4424 Whittier Boulevard Los Angeles	Auto sales facility with a small repair area in the rear of the property. A high potential for environmental impact exists based on the type of operation and visual observations.
W55 H	Bud Hawkins Garage 4466 Whittier Boulevard Los Angeles	Auto repair facility. A high potential for environmental impact exists based on the type of operation.
W56 L	1 Hour Foto 4580 Whittier Boulevard Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
W57 H	Vic the Tailor/Cleaners 4617 Whittier Boulevard Los Angeles	Tailor and dry cleaning facility. A high potential for environmental impact exists based on the type of operation.
W58 L	Germer's Photo Studio 5112 Whittier Boulevard Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
W59 H	Lora's Tailor Shop and Cleaning 5120 Whittier Boulevard Los Angeles	Tailor and dry cleaning facility. Appears dry cleaning is performed on site. A high potential for environmental impact exists based on the type of operation.
W60 H	Alatore Market and A & J Auto 5127 Whittier Boulevard Los Angeles	Market and auto repair facility. The auto repair facility is located at the rear of the property. Surface staining observed. A high potential for environmental impact exists based on the type of operations.
W61 M	Solutions 5143 Whittier Boulevard Los Angeles	Music store and market. Located in the rear of the property is a small fenced area which appears to be used as vehicle storage. Surface staining observed. A moderate potential for environmental impact exists based on the type of operations and visual observations.
W62 H	Vargas Auto Sales and Stereos, Cycle Center, and L.A. Auto Repair 5150 Whittier Boulevard (approximately) Los Angeles	Various auto related facilities. Surface staining observed. A high potential for environmental impact exists based on visual observations.
W63 L	1 Hour Photo/Cleaners 5211 Whittier Boulevard East Los Angeles	The site is a combination of a cleaner and photography store. No dry cleaning or photograph development occurs on site. A low potential for environmental impact exists based on verbal communication.

Field Reconnaissance Survey
Brooklyn Avenue/Alternative 3 (page 8 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W64 H	Arco Service Station 5200 Whittier Boulevard Los Angeles	Retail gasoline service station. Service bays observed. A high potential for environmental impact exists based on the type of operation.

**Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
Segment 3/MOS-3
Field Reconnaissance Survey Results
Identification Numbers Consecutive From West to East**

Brooklyn/College/Alternative 4

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
F1 H	Unocal Center Street Terminal Northwest Corner of Center Drive & Ducommun Street Los Angeles	Storage and fueling area for Unocal products. ASTs observed. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
F2 H	Viertels Auto Wrecking 500 Center Drive Los Angeles	Fenced wrecking yard. A high potential for environmental impact exists based on type of operation.
B1 H	Friedman Bag Company 801 Commercial Street Los Angeles	Warehouse type structure. See Site C on the Regulatory List Search Results table. A high potential for environmental impact exists based on the possible presence of an UST.
B2 L	A & H Greenfield Metal 830 East Commercial Street Los Angeles	Warehouse type structure. See Site D on the Regulatory List Search Results table. A low potential for environmental impact exists based on the regulatory agency status.
B3 H	Peck Hills Furniture Located Adjacent to the Northwest Corner of Mission Road and Via La Reina Los Angeles	Warehouse type structure. A high potential for environmental impact exists based on the type of operation.
B4 M	El Pato/Walker Foods South of 333 North Mission Road Los Angeles	Appears to be a food processing plant. A moderate potential for environmental impact exists based on the type of operation.
B5 H	Miller Electric Cable Located on the Northwest Corner of Mission Road and Via La Reina Los Angeles	Warehouse type structure. 55-gallon drums observed. A high potential for environmental impact exists based on the type of operation and visual observations.
B6 H	TNT Auto Sales 333 North Mission Road Los Angeles	Auto sales and repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
 Brooklyn/College/Alternative 4 (page 2 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B7 H	National Brothers 319 Mission Road Los Angeles	Warehouse type structure. Surface staining observed. A moderate potential for environmental impact exists based on visual observations.
B8 H	Facility name: unknown 1627 Brooklyn Avenue Los Angeles	Auto and cab repair facility. A high potential for environmental impact exists based on the type of operation.
B9 H	Hernandez Muffler 1627 Brooklyn Avenue Los Angeles	Muffler repair facility with three service bays. A high potential for environmental impact exists based on the type of operation.
B10 H	Canutos Mufflers/Phillips Tires 419 Boyle Avenue Los Angeles	Auto repair facility. Presence of former service station canopy and pump islands. Two service bays noted. Surface staining observed. A high potential for environmental impact exists based on possible use as gas station.
B11 H	Southwest corner of Brooklyn Avenue & State Street Los Angeles	Vacant lot with thirty-five to forty 55-gallon drums noted. Location appears to be under environmental investigation. A high potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
B12 H	Shell Service Station 1900 Brooklyn Avenue Los Angeles	Retail gasoline service station. A high potential for environmental impact exists based on the type of operation. See Site G on the Regulatory List Search Results table.
B13 H	Fire Station # 2 1962 Brooklyn Avenue Los Angeles	Location appears to be a recently constructed Fire Station. Possibility of fuel storage appears high due type of operation. A high potential for environmental impact exists based on the type of operation.
B14 H	King Taco Southeast corner of Brooklyn Avenue and Soto Street Los Angeles	Restaurant. The site appears to be a conversion of a former gasoline service station. Two canopy areas with pump islands appear to be present. A high potential for environmental impact exists based visual observations.
B15 L	Martinez Photo 2411 Brooklyn Avenue Los Angeles	One hour photograph shop. A low potential for environmental impact exists based on the type of operation.
B16 H	Karina's Cleaners 2503 Brooklyn Avenue Los Angeles	Dry cleaning facility. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
 Brooklyn/College/Alternative 4 (page 3 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B17 H	Brooklyn Auto Service 2617 Brooklyn Avenue Los Angeles	Auto sales and repair facility. A high potential for environmental impact exists based on the type of operation and visual observations.
B18 L	Vazquez Photography 2628 Brooklyn Avenue Los Angeles	One hour photograph shop. Low potential for environmental impact based on the type of operation.
B19 H	Brooklyn Radiator Service and Machine Shop 2802 Brooklyn Avenue Los Angeles	Auto parts sales, machine shop and radiator service. Surface staining observed in the radiator repair area. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
B20 H	Jack's Market Northeast corner of Brooklyn and Forest Avenues Los Angeles	Vacant lot with concrete pads and structures which appears to be in the configuration of a former gasoline station. A high potential for environmental impact exists based on the potential type of operation and visual observations.
B21 H	Pepes Garage 2840 Brooklyn Avenue Los Angeles	Auto repair facility in converted warehouse type building. A high potential for environmental impact exists based on the type of operation.
B22 H	Mas Auto Repair 2817 Brooklyn Avenue Los Angeles	Auto repair facility. Heavy surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
B23 H	RC Garage 2915 Brooklyn Avenue Los Angeles	Auto sales and repair facility. 55-gallon drums and surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
B24 H	Mobil Service Station 2925 Brooklyn Avenue Los Angeles	Retail gasoline service station. Two service bays. A high potential for environmental impact exists based on the type of operation.
B25 H	Brooklyn Tire Service 3025 Brooklyn Avenue Los Angeles	Tire sales facility. Appears to be located in a former gasoline service station. A high potential for environmental impact exists based on the potential type of operation.
B26 H	Beer Mug Helada 3091 Brooklyn Avenue Los Angeles	Retail liquor sales appearing to a former gasoline station or drive through dairy. A high potential for environmental impact exists based on the potential type of operation and visual observations.

Field Reconnaissance Survey
 Brooklyn/College/Alternative 4 (page 4 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B27 H	Harold's Body Shop 3251 Brooklyn Avenue Los Angeles	Auto body repair facility with two service bays. 55-gallon drums and surface staining noted. Possible vehicle maintenance operations. A high potential for environmental impact exists based on the type of operation.
B28 L	La Gloria 3285 Brooklyn Avenue Los Angeles	Tortilla factory. Aboveground storage tanks observed. A low potential for environmental impact exists based on the type of operation and visual observations.
B29 H	A & A Rentals 3431 Brooklyn Avenue East Los Angeles	Tire and hubcap sales and equipment rental. Surface staining observed. Location appears to be a former service station based on the presence of a pump island and a canopy. A high potential for environmental impact exists based on the type of operation and visual observations.
B30 M	Velazquez Auto Sales 3456 Brooklyn Avenue East Los Angeles	Sales facility. Possible vehicle maintenance occurring and surface staining observed. A moderate potential for environmental impact exists based on the type of operation and visual observations.
B31 L	30 Minute Photo 3474 Brooklyn Avenue East Los Angeles	Retail photographic development shop. A low potential for environmental impact exists based on the type of operation.
B32 M	Barazas Auto Sales 3479 Brooklyn Avenue East Los Angeles	Sales facility. A moderate potential for environmental impact exists based on the type of operation.
B33 H	Tony's Radiator and Service 3502 Brooklyn Avenue East Los Angeles	Location was not in operation during field reconnaissance. A high potential for environmental impact exists based on the type of operation.
B34 H	LA Body Shop/Imperial Auto Sales 3526 Brooklyn Avenue East Los Angeles	Sales and auto body repair facility. A high potential for environmental impact exists based on the type of operation.
B35 H	Arco Service Station 3549 Brooklyn Avenue East Los Angeles	Retail gasoline service station. A high potential for environmental impact exists based on the type of operation.
B36 H	Un-named Gasoline Service Station 3560 Brooklyn Avenue East Los Angeles	Retail gasoline service station. However, the facility does not appear to be in operation. Services bays noted. Tank cluster appears to be located along Brooklyn Avenue. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
 Brooklyn/College/Alternative 4 (page 5 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B37 H	Aaron's Body and Paint Shop 3611 Brooklyn Avenue East Los Angeles	Paint and auto body facility. A high potential for environmental impact exists based on the type of operation.
B38 H	Crolett-Castaneda Mortuary 3715 Brooklyn Avenue East Los Angeles	Mortuary operation. A high potential for environmental impact exists based on the type of operation.
B39 H	Moto Technica 3833 Brooklyn Avenue East Los Angeles	Motorcycle parts and service facility. A high potential for environmental impact exists based on the type of operation.
B40 H	Belvedere Cleaners 3855 Brooklyn Avenue East Los Angeles	Dry cleaning operation. A high potential for environmental impact exists based on the type of operation.
B41 L	G & J Printing 3865 Brooklyn Avenue East Los Angeles	Printing operation based in commercial type building. A low potential for environmental impact exists based on the type of operation.
B42 M	Sanchez Enterprises Auto Sales 3968A Brooklyn Avenue East Los Angeles	Sales facility. A moderate potential for environmental impact exists based on the type of operation.
B43 H	Vacant Lot 4101 Brooklyn Avenue East Los Angeles	Vacant lot with four 55-gallon drums present. No indication of the use of the property or the nature of the abandoned drums. A high potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
B44 M	OK Auto Sales 4141 Brooklyn Avenue East Los Angeles	Sales facility. A moderate potential for environmental impact exists based on the type of operation.
B45 H	De La Rosa Mufflers Shop 4142-4148 Brooklyn Avenue East Los Angeles	Auto repair facility. Heavy surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
B46 H	Auto Electric 4201 Brooklyn Avenue East Los Angeles	Auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.

Field Reconnaissance Survey
 Brooklyn/College/Alternative 4 (page 6 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B47 H	Brooklyn Smog Center 4235 Brooklyn Avenue East Los Angeles	Automobile smog check center. Possible automobile maintenance operations. A high potential for environmental impact exists based on the type of operation.
B48 H	Super Radiator Service 4250 Brooklyn Avenue East Los Angeles	Auto repair facility. A high potential for environmental impact exists based on the type of operation.
B49 M	Sal's Auto 408 Eastern Avenue East Los Angeles	Sales facility. A moderate potential for environmental impact exists based on the type of operation.
B50 H	Tony's Transmissions 4327 Brooklyn Avenue East Los Angeles	Transmission repair facility. A high potential for environmental impact exists based on the type of operation.
B51 H	Goodyear/Andy's Transmission 4343/4333 Brooklyn Avenue East Los Angeles	Auto repair facility. Heavy surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
B52 H	A & N Engine Rebuilders 4330 Brooklyn Avenue East Los Angeles	Auto repair facility. Multiple 55-gallon drums filled with auto parts present. Surface staining noted around the 55-gallon drums and in the main building. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
B53 H	Shell Gasoline Station 4357 Brooklyn Avenue East Los Angeles	Gasoline station with car wash. See Site 1 on the Regulatory List Search Results table. A high potential for environmental impact exists based on the type of operation.
B54 H	Rigos Tire Brakes & Alignment 4346 Brooklyn Avenue East Los Angeles	Auto repair facility. Location appears a former gasoline service station due to presence of canopy and pump islands. A high potential for environmental impact exists based on the type of operation and visual observations.
B55 M	Gach Motors 4539 Brooklyn Avenue East Los Angeles	Auto Sales Facility. Surface staining observed. A moderate potential for environmental impact exists based on the type of operation.
B56 H	Sloans Cleaners 4749 Brooklyn Avenue East Los Angeles	Dry Cleaning facility. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
 Brooklyn/College/Alternative 4 (page 7 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B57 H	East Los Angeles Junior College 1100 Floral Drive East Los Angeles	Plant maintenance facility. 55-gallon drums and fuel dispensers noted. A high potential for environmental impact exists based on the type of operation.
A1 H	Cleaners 2215 Atlantic Boulevard Monterey Park	Dry cleaning facility. A high potential for environmental impact exists based on the type of operation.
A2 H	Shell Station 2291 Atlantic Boulevard Monterey Park	Retail gasoline service station. The site is contained on the CRWQCB's leaking underground storage tank list. See Site K on the Regulatory List Search Results table. A high potential for environmental impact exists based on the uncharacterized nature of the contamination.
A3 H	Chevron Station 2301 Atlantic Boulevard Monterey Park	Retail gasoline service station. UST cluster appears to be located in the rear of the property. A high potential for environmental impact exists based on the type of operation.
A4 H	All Tire Auto Center 2314 Atlantic Boulevard Los Angeles	Auto repair facility. Service bays observed. A high potential for environmental impact exists based on the type of operation.
A5 H	Camino Real Chevrolet 2401 Atlantic Boulevard Monterey Park	Auto dealership and repair facility. The site is contained on the CRWQCB's leaking underground storage tank list. See Site V on the Regulatory List Search Results table. A high potential for environmental impact exists based on the uncharacterized nature of the contamination.
A6 L	Active Glass Company 708 Atlantic Boulevard Los Angeles	Appears to be a retail sales facility. Sign on building states "mirrors, table tops, window glass", possible glass plating. A low potential for environmental impact exists based visual observations.
A7 H	H & L Auto Exchange 255 Atlantic Boulevard Los Angeles	Sales facility with a service area possibly located in the rear of the property. A high potential for environmental impact exists based on the type of operation.
A8 H	Chevron Service Station 250 Atlantic Boulevard Los Angeles	Retail gasoline station. Service bays observed. UST cluster located at the corner of Pomona and Atlantic Boulevard. A high potential for environmental impact exists based on the type of operation.
A9 H	Pep Boys 256 Atlantic Boulevard Los Angeles	Retail auto parts store and auto repair facility. Service bay and auto parts washer observed. A high potential for environmental impact exists based on the type of operation and visual observations.

Field Reconnaissance Survey
 Brooklyn/College/Alternative 4 (page 8 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
A10 H	Rockview Dairy 288 Atlantic Boulevard Los Angeles	Site appears to be a former gasoline station. A high potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
A11 H	Sako's Service 5201 Beverly Boulevard Los Angeles	Auto repair facility. Service bays and vent risers observed. A high potential for environmental impact exists based on the type of operations.
A12 H	Mobil Station 301 Atlantic Boulevard Los Angeles	Retail gasoline service station. UST cluster located along Atlantic Boulevard. A high potential for environmental impact exists based on the type of operation.
A13 H	Unocal Service Station 300 Atlantic Boulevard Los Angeles	Retail gasoline service station. Service bay observed. UST cluster located along Atlantic Boulevard. A high potential for environmental impact exists based on the type of operation.
A14 H	Progresso Auto Sales 337 Atlantic Boulevard Los Angeles	Sales and service facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
A15 H	JC Transmission Center 345 Atlantic Boulevard Los Angeles	Interior of building is converted into a transmission shop. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
A16 H	Argo Fleet Services 343 Atlantic Boulevard Los Angeles	Only the building front is visible. A high potential for environmental impact exists based on the type of operation.
A17 H	Swap Meet 377 Atlantic Boulevard Los Angeles	Site appears to be a former gasoline station or auto repair facility. Buses are parked in possible service bays. A high potential for environmental impact exists based on the type of operation and visual observations.
A18 H	Serrano Auto Supply and Service 326 Atlantic Boulevard Los Angeles	Auto repair facility. Service bays and machine shop observed. A high potential for environmental impact exists based on the type of operation.
A19 H	Affordable Auto Insurance 395 Atlantic Boulevard Los Angeles	Possible service bay and repair area located behind the structure. Surface staining observed. A high potential for environmental impact exists based on visual observations.

Field Reconnaissance Survey
 Brooklyn/College/Alternative 4 (page 9 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
A20 H	Facility name: unknown Southwest corner of 4th St. and Atlantic Blvd. Los Angeles	Vacant lot. Site is former location of a gasoline station and tire center as indicated by a sign on the property. See Site W on the Regulatory List Search Results table. A high potential for environmental impact exists based on visual observations.
A21 H	Atlas Resale 344 Atlantic Boulevard Los Angeles	Sales and auto repair facility. A high potential for environmental impact exists based on the type of operation.
A22 H	Brotman Auto Body Center 397 Atlantic Boulevard Los Angeles	Auto repair facility. Multiple service bays observed. A high potential for environmental impact exists based on the type of operation.
A23 H	All Truck Auto Sales 422 Atlantic Boulevard Los Angeles	Sales and auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of observation and visual observations.
A24 M	Robles Auto Sale 431 Atlantic Boulevard Los Angeles	Sales facility with a small service area located in the rear of the property. A moderate potential for environmental impact exists based on the size of operation.
A25 M	Rohles Auto Center 440 Atlantic Boulevard Los Angeles	Sales facility. A moderate potential for environmental impact exists based on the type of operation.
A26 M	America Motors 450 Atlantic Boulevard Los Angeles	Sales facility with a possible service area in the rear of the property. A moderate potential for environmental impact exists based on the size of operation.
A27 H	Holiday Auto Sales, Daniels Carburetors, Especizlotiz Auto Grooming 475 Atlantic Boulevard Los Angeles	Site appears to be occupied by three auto repair facilities. Multiple service bays and surface staining observed. Hydrocarbon odors detected. A high potential for environmental impact exists based on the type of operations and visual observations.
A28 H	Taller Mecanic Automotriz 490 Atlantic Boulevard Los Angeles	Sales and auto repair facility. A service bay and surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.

Field Reconnaissance Survey
 Brooklyn/College/Alternative 4 (page 10 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
A29 H	To Sales 507 Atlantic Boulevard Los Angeles	Auto repair appears to be occurring on this site. A block wall separates this site from the front lot (parking lot) along Atlantic Boulevard. Visual inspection of the ground surface was obstructed by the numerous damaged cars parked on the site. A high potential for environmental impact exists based on visual observations.
A30 M	Ches Auto Sales 525 Atlantic Boulevard Los Angeles	Sales facility. According to sales personnel, no servicing of vehicles occurs on the site. A moderate potential for environmental impact exists based verbal communication and visual observations.
A31 M	Auto Liquidations 545 and 545½ Atlantic Boulevard Los Angeles	Structures appear vacant and no vehicles are present on the lot. Car parts are hanging over a fence. Surface staining observed. A moderate potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
A32 H	European Specialists 565 Atlantic Boulevard Los Angeles	Sales and auto repair facility. According to site personnel, there are no USTs or clarifiers on the property although waste oil is produced. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
A33 H	Studio Motors 575 Atlantic Boulevard Los Angeles	Sales and auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
A34 H	Jesse's Auto Sales 604 Atlantic Boulevard Los Angeles	Sales and auto repair facility. The portion of the property which fronts Atlantic Boulevard is the sales facility. The portion of the property which fronts 6th Street appears to be the auto repair facility. Heavy staining observed. Water with a prominent oil sheen was observed running from the facility over the sidewalk and into the street gutter. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
A35 H	Acuario Auto Sales & Body Shop 620 Atlantic Boulevard Los Angeles	Sales facility. The body shop does not appears operational. A high potential for environmental impact exists based on the type of operation.
A36 H	BC Carburetor 629½ Atlantic Boulevard Los Angeles	Auto repair facility. 55-gallon drums of solvent, acid, waste oil, and oil observed. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.

Field Reconnaissance Survey
 Brooklyn/College/Alternative 4 (page 11 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
A37 H	Auto Electric Del Norte 632 Atlantic Boulevard Los Angeles	Electrical repair facility. One 55-gallon drum of solvent observed. A moderate potential for environmental impact exists based on the size of operation and visual observations.
A38 H	C & P Mechanic Shop 640 Atlantic Boulevard Los Angeles	Auto repair facility. 55-gallon drums of oil and surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
A39 H	U-Haul 657 Atlantic Boulevard Los Angeles	Storage and rental facility for U-Haul trailers. A pump island with one fuel dispenser is located on the property. One propane AST and service bays are also visible. A high potential for environmental impact exists based on visual observations.
A40 H	Freeway Ford 668 Atlantic Boulevard Los Angeles	Sales and auto repair facility. See Site Y on the Regulatory List Search Results table. A high potential for environmental impact exists based on the type of operation.
A41 H	Facility name: unknown Located adjacent to 755 Atlantic Boulevard Los Angeles	Appears to be a junk yard/storage area. The site is located on the northern adjacent property to 755 Atlantic Boulevard (Mario's Transmission). Vehicles and parts observed. A high potential for environmental impact exists based on the type of operation.
A42 H	Mario's Transmission 755 Atlantic Boulevard Los Angeles	Auto repair facility. Storage of auto parts and surface staining visible from Atlantic Boulevard. Located in the rear of the property, near the alley way, surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
W66 H	Economy Equipment Rental 5511 Whittier Boulevard East Los Angeles	Equipment rental and servicing facility. Servicing of vehicles and fuel dispenser observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W67 L	Express Photo 50 Min. Lab 5532 Whittier Boulevard Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
W68 H	J's Body Shop 5607 Whittier Boulevard Los Angeles	Auto body repair shop. A high for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
 Brooklyn/College/Alternative 4 (page 12 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W69 H	A-1 Cleaners 5608 Whittier Boulevard Los Angeles	Dry cleaning facility. A high potential for environmental impact exists based on the type of operation.
W70 H	Commerce Fuel 5600 Whittier Boulevard Los Angeles	Site appears to be inactive. Pump islands and service bays observed. A high potential for environmental impact exists based on the type of operation.
W71 H	Sloan's Dry Cleaners 5625 Whittier Boulevard East Los Angeles	Dry cleaning facility. Dry cleaning done of premises. A high potential for environmental impact exists based on the type of operation.
W72 L	Valentine Supply 5647-5637 Whittier Boulevard East Los Angeles	Appears to be a plumbing supply facility. A low potential for environmental impact exists based on the type of operation and visual observations.
W73 L	Sonora Tire Shop 5715 Whittier Boulevard East Los Angeles	Retail tire shop. A low potential for environmental impact exists based on the type of operation.
W74 H	Ser Serv Gasoline 5756 Whittier Boulevard Los Angeles	Multiple pump islands observed. See Site T on the Regulatory List Search Results table. A high potential for environmental impact exists based on the type of operation.
W75 H	Goodyear Tire Center 5747 Whittier Boulevard Los Angeles	Auto service facility. A high for environmental impact exists based on the type of operation.

**Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
Segment 3/MOS-3**

**Field Reconnaissance Survey Results
Identification Numbers Consecutive From West to East**

First Street/Alternative 5

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
F1 H	Unocal Center Street Terminal Northwest Corner of Center Drive & Ducommun Street Los Angeles	Storage and fueling area for Unocal products. ASTs observed. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
F2 H	Viertels Auto Wrecking 500 Center Drive Los Angeles	Fenced wrecking yard. A high potential for environmental impact exists based on the type of operation.
F3 H	Manley Oil Company 410 Center Drive Los Angeles	Oil refining and distribution facility. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
F4 M	Color Graphics Adjacent to the Northwest Corner of First Street and Mission Road Los Angeles	Printing facility. A moderate potential for environmental impact exists based on the type of operation.
F5 H	A & S Auto Wrecking 1218 First Street Los Angeles	Wrecking yard. 55-gallon drums, a forklift, and numerous car parts visible. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
F6 H	Village Cleaners 1328 First Street Los Angeles	Dry cleaning facility. A high potential for environmental impact exists based on the type of operation.
F7 L	Nova Printing 1329 First Street Los Angeles	Business does not appear to be operational. Windows are boarded. A low potential for environmental impact exists based on visual observations.
F8 H	Rodriguez Transfer 1750 First Street (approximately) Los Angeles	Fenced lot with seven parked trucks. Seven 55-gallon drums visible. The drums are labeled "Soil Cuttings, Brown & Caldwell, Ontario Savings Site". A high potential for environmental impact exists based on visual observations.

Field Reconnaissance Survey
 First Street/Alternative 5 (page 2 of 7)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
F9 H	Shell Service Station 1750 First Street Los Angeles	Retail gasoline station. Pump islands are present but the fuel dispensers have been removed. A large excavation is present. Auto repair appears to be occurring in the service bays. One 55-gallon paper barrel covered with oil is visible. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
F10 L	Rudy's Fotostudio 1860 First Street Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
F11 H	Vega Service 1869 First Street Los Angeles	Service bays and one pump island visible. No fuel dispensers are located on the pump island. A high potential for environmental impact exists based on the type of operation and visual observations.
F12 L	A & A Auto Tire Service 1939 First Street Los Angeles	Tire sales facility appearing to be located behind a residential structure. A low potential for environmental impact exists based on the type of operation.
F13 H	Los Angeles Police Department Hollenbeck Station 2111 First Street Los Angeles	Service bays and one pump island with two fuel dispensers visible. A high potential for environmental impact exists based on the type of operation and visual observations.
F14 H	Fire Station 2 2124 First Street (approximately) Los Angeles	Abandoned fire station. The driveway is currently being used for parking. A high potential for environmental impact exists based on the type of operation.
F15 H	CD Transmission, Marlenes, Corbian Auto Sales 2239 First Street Los Angeles	Auto repair facilities. 55-gallon drums, hydraulic lifts and heavy surface staining visible. A high potential for environmental impact exists based on the type of operations and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
F16 H	Carros Usados Auto Sales and Repair 111 South Soto Street (Southwest corner of First and Soto Streets) Los Angeles	Sales and auto repair facility. Pump islands visible. The fuel dispensers are covered with cloth bags. Auto repair occurring on the site. According to site personnel, the site was a gas station and has not been operational for approximately 10 years. According to the site personnel, the USIs are scheduled for removal sometime this year. A high potential for environmental impact exists based on the type of operation and visual observations.

Field Reconnaissance Survey
 First Street/Alternative 5 (page 3 of 7)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
F17 H	The Fashion Cleaners 2501 First Street Los Angeles	Dry cleaning facility. A high potential for environmental impact exists based on the type of operation.
F18 H	M.Y. Service 2701 First Street Los Angeles	Auto repair facility. Site appears to be a former gasoline station. 55-gallon drums are visible. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
F19 M	Facility name: unknown 2940-2924 First Street (approximately) Los Angeles	Fenced lot with three parked diesel trucks. 55-gallon drums and surface staining are visible. A moderate potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
F19a H	Evergreen Cemetery 3301 East First Street Los Angeles	Cemetery. A high potential for environmental impact exists based on the type of operation. See Site L on the Regulatory List Search Results table.
F20 M	Zacatecas Auto Sales 3424 First Street Los Angeles	Sales facility. 55-gallon drums and surface staining visible. An oil sheen also visible on the driveway. The rear of the property appears to be utilized as auto storage and residence. A moderate potential for environmental impact exists based on the size of operation.
F21 H	La Gloria 3454 First Street Los Angeles	Site appears to be currently utilized as vehicle storage. Site appears to be a former gas station. Surface staining visible. A high potential for environmental impact exists based on visual observations.
F22 H	Autos El Prieto 3464 First Street Los Angeles	Auto repair facility. Surface staining visible. A high potential for environmental impact exists based on the type of operation and visual observations.
11 L	City of Los Angeles, Department of Water and Power 123 Indiana Street Los Angeles	Use of structure is unknown. A low potential for environmental impact exists based on visual observations.
12 H	Martinez Auto Sales 3566 3rd Street (northwest corner of Indiana and 3rd Streets) Los Angeles	Sales and auto repair occurring on site. Minor surface staining observed. A moderate potential for environmental impact exists based on the type of operation and visual observations.

Field Reconnaissance Survey
 First Street/Alternative 5 (page 4 of 7)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
13 H	Vacant lot Southeast corner of Indiana and 3rd Streets Los Angeles	Fenced lot with no structures. Site appears to be under remediation. Two large covered soil piles observed. A high potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
14 H	Facility name: unknown 601 Indiana Street (approximately) Los Angeles	Site appears to be a former gasoline station. Surface staining observed. A high potential for environmental impact exists based on visual observations.
15 M	El Remate Auto Sales 720 Indiana Street (approximately) Los Angeles	Sales facility. A moderate potential for environmental impact exists based on the type of operation.
W32 H	Lantino Americana Mortuary 3827 Whittier Boulevard Los Angeles	Mortuary/funeral home. A high potential for environmental impact exists based on the type of operation.
W33 H	Foster Cleaners 3901 Whittier Boulevard Los Angeles	Dry cleaning facility. Appears dry cleaning is done on site. A high potential for environmental impact exists based on the type of operation.
W34 H	Aegis Rent a Car 3900-3910 Whittier Boulevard Los Angeles	Car rental facility. A potential for auto repair occurring on the site exists. A high potential for environmental impact exists based on visual observations.
W35 H	Aguilar Body Shop 3913 Whittier Boulevard Los Angeles	Auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
W36 H	A & F Auto Parts 3928 Whittier Boulevard Los Angeles	Engine rebuilding and auto repair facility. Surface staining observed. Hydrocarbon odor detected from Whittier Boulevard. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
W37 H	J & F Tire and Automotive Services and Mora's Quality Body Shop 3961 Whittier Boulevard Los Angeles	Two auto repair facilities located at this site. A high potential for environmental impact exists based on the type of operations.
W38 H	Arturo's Ironworks 3970 Whittier Boulevard (approximately) Los Angeles	Appears to be a vacant store front. A high potential for environmental impact exists based on the unknown type of operation.

Field Reconnaissance Survey
 First Street/Alternative 5 (page 5 of 7)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W39 H	Salgado Automotive Rebuilders 3975 Whittier Boulevard Los Angeles	Auto repair facility. 55-gallon drums used to store car parts. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W40 H	Thrifty Gasoline Station 3990 Whittier Boulevard Los Angeles	Retail gasoline service station. See Site Q on the Regulatory List Search Results table. A high potential for environmental impact exists based on the type of operation.
W41 H	Whittier Tire Shop 4001 Whittier Boulevard Los Angeles	Tire repair facility. A high potential for environmental impact exists based on the type of operation.
W42 L	Roto-roooter Sewer Service Whittier Boulevard (no address visible) Los Angeles	Office and truck storage facility. A low potential for environmental impact exists based on visual observations.
W43 L	Facility name: unknown 4016 Whittier Boulevard (approximately) Los Angeles	Appears to be a junk yard. Located near the intersection of Gage Avenue. Various household appliances and building materials observed. A low potential for environmental impact exists based on visual observations.
W44 H	Arturo's Ironworks 4001B Whittier Boulevard Los Angeles	Ironworks facility with 55-gallon drums and paint cans observed. A high potential for environmental impact exists based on the type of operation.
W45 M	American Granite 4084 Whittier Boulevard Los Angeles	Head/tomb stone manufacturing. A moderate potential for environmental impact exists based on the type of operation.
W46 H	El Pedorrero 4101 Whittier Boulevard Los Angeles	Muffler repair facility. A high potential for environmental impact exists based on the type of operation.
W47 M	Linares Auto Sales 4118 Whittier Boulevard Los Angeles	Sales facility with possible auto repair area. A moderate potential for environmental impact exists based on the size of operation.
W48 H	Facility name: unknown 4131 Whittier Boulevard Los Angeles	Fenced lot with numerous parked vehicles. Various auto parts observed. A high potential for environmental impact exists based on visual observations and unknown usage.

Field Reconnaissance Survey
 First Street/Alternative 5 (page 6 of 7)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W49 M	Superior Marble and Granite Works 4161 Whittier Boulevard Los Angeles	Head/tomb stone manufacturing. A moderate potential for environmental impact exists based on the type of operation.
W50 M	Legrand Wilbert Vaults 4169 Whittier Boulevard Los Angeles	Manufacturer of cement caskets. A moderate potential for environmental impact exists based on the type of operation.
W51 H	Tampa Auto Sales 4166½ and 4166 Whittier Boulevard Los Angeles	Sales facility. Sites appear to be a former gas station. A moderate potential for environmental impact exists based on visual observations.
W52 H	Legrand Wilbert Vaults 4200 Whittier Boulevard Los Angeles	Manufacturer of concrete vaults. In 1991, an UST was removed from the property. Property owner is waiting for closure from the Los Angeles City Fire Department. A high potential for environmental impact exists based on verbal communication.
W52a H	Calvary Cemetery 4201 Whittier Boulevard Los Angeles	Cemetery. A high potential for environmental impact exists based on the type of operation. See Site S on the Regulatory List Search Results table.
W53b H	Home of Peace Memorial Park Southwest Corner of Whittier Boulevard and Eastern Avenue Los Angeles	Cemetery. A high potential for environmental impact exists based on the type of operation.
W53 H	Shell Station 4411 Whittier Boulevard Los Angeles	Retail gasoline service station. A high potential for environmental impact exists based on the type of operation.
W54 H	The Car Depot 4424 Whittier Boulevard Los Angeles	Auto sales facility with a small repair area in the rear of the property. A high potential for environmental impact exists based on the type of operation and visual observations.
W55 H	Bud Hawkins Garage 4466 Whittier Boulevard Los Angeles	Auto repair facility. A high potential for environmental impact exists based on the type of operation.
W56 L	1 Hour Foto 4580 Whittier Boulevard Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
 First Street/Alternative 5 (page 7 of 7)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W57 H	Vic the Tailor/Cleaners 4617 Whittier Boulevard Los Angeles	Tailor and dry cleaning facility. A high potential for environmental impact exists based on the type of operation.
W58 L	Germar's Photo Studio 5112 Whittier Boulevard Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
W59 H	Lora's Tailor Shop and Cleaning 5120 Whittier Boulevard Los Angeles	Tailor and dry cleaning facility. Appears dry cleaning is performed on site. A high potential for environmental impact exists based on the type of operation.
W60 H	Alatore Market and A & J Auto 5127 Whittier Boulevard Los Angeles	Market and auto repair facility. The auto repair facility is located at the rear of the property. Surface staining observed. A high potential for environmental impact exists based on the type of operations.
W61 M	Solutions 5143 Whittier Boulevard Los Angeles	Music store and market. Located in the rear of the property is a small fenced area which appears to be used as vehicle storage. Surface staining observed. A moderate potential for environmental impact exists based on the type of operations and visual observations.
W62 H	Vargas Auto Sales and Stereos, Cycle Center, and L.A. Auto Repair 5150 Whittier Boulevard (approximately) Los Angeles	Various auto related facilities. Surface staining observed. A high potential for environmental impact exists based on visual observations.
W63 L	1 Hour Photo/Cleaners 5211 Whittier Boulevard East Los Angeles	The site is a combination of a cleaner and photography store. No dry cleaning or photograph development occurs on site. A low potential for environmental impact exists based on verbal communication.
W64 H	Arco Service Station 5200 Whittier Boulevard Los Angeles	Retail gasoline service station. Service bays observed. A high potential for environmental impact exists based on the type of operation.

Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
Segment 3/MOS-3

Field Reconnaissance Survey Results
Identification Numbers From West to East

Whittier Boulevard/Alternative 7

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B1 H	Friedman Bag Company 801 Commercial Street Los Angeles	Warehouse type structure. See Site C on the Regulatory List Search Results table. A high potential for environmental impact exists based on the possible presence of an UST.
F1 H	Unocal Center Street Terminal Northwest Corner of Center Drive & Ducommun Street Los Angeles	Storage and fueling area for Unocal products. ASTs observed. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
F2 H	Viertels Auto Wrecking 500 Center Drive Los Angeles	Fenced wrecking yard. A high potential for environmental impact exists based on the type of operation.
F3 H	Manley Oil Company 410 Center Drive Los Angeles	Oil refining and distribution facility. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
F4 M	Color Graphics Adjacent to the Northwest Corner of First Street and Mission Road Los Angeles	Printing facility. A moderate potential for environmental impact exists based on the type of operation.
F5 H	A & S Auto Wrecking 1218 First Street Los Angeles	Wrecking yard. 55-gallon drums, a forklift, and numerous car parts visible. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
AN1 H	George's Auto Dismantling and Lucio's Auto Wrecking 121 Anderson Street Los Angeles	Two adjacent auto wrecking facilities. Auto parts scattered over the site and very heavy surface staining observed. A high potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
M1 H	LH Dottie Company 165 South Mission Road Los Angeles	Unknown type of operation. Warehouse type structure. 55-gallon drums observed. A high potential for environmental impact exists based on visual observations.

Field Reconnaissance Survey
Whittier Boulevard/Alternative 7 (page 2 of 9)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
AN4 M	Vacant Lot 600 Anderson Street (approximately) Los Angeles	Diesel trucks observed parked on the site. A moderate potential for environmental impact exists based on visual observations.
AN5 H	Guy Chaddock and Company 616 Anderson Street Los Angeles	Furniture refinishing facility. 55-gallon drums observed. A moderate potential for environmental impact exists based on the type of operation and visual observations.
AN6 H	Earl Scheib Paint Supply, Epsilon Electric 630 and 634 Clarence Street Los Angeles	Warehouse type structure. It appears two facilities are housed in one structure. 55-gallons drums and various containers for Earl Scheib Paint Supply are located in the parking lot. A high potential for environmental impact exists based on visual observations.
W1 H	Holiday Motors 2201 Whittier Boulevard Los Angeles	Site appears to be utilized for vehicle storage. Site appears to be a former gasoline station. A high potential for environmental impact exists based on the type of operation and visual observations.
W2 H	Holiday Motors 2222 Whittier Boulevard Los Angeles	Auto repair facility. Fuel dispenser observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W3 M	Abels Auto Parts Machine Shop 2231 Whittier Boulevard Los Angeles	Appears to be commercial business. A moderate potential for environmental impact exists based on visual observations.
W4 H	Facility name: unknown 2242 Whittier Boulevard Los Angeles	Appears to be an auto repair facility. A high potential for environmental impact exists based on the type of operation.
W5 H	Issac Auto Sales and Service 2231 Whittier Boulevard Los Angeles	Sales and auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W6 H	Mobil Station 2290 Whittier Boulevard (approximately) Los Angeles	Retail gasoline service station. UST cluster located along Whittier Boulevard. See Site N on the Regulatory List Search Results table. A high potential for environmental impact exists based on the type of operation.
W7 H	Munoz Auto and Tires 2451 Whittier Boulevard Los Angeles	Auto repair facility. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
Whittier Boulevard/Alternative 7 (page 3 of 9)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W8 M	Los Angeles City Department of Parks & Recreation 2500 Whittier Boulevard Los Angeles	Appears to be a storage area. 55-gallon drums and storage sheds observed. A moderate potential for environmental impact exists based on visual observations.
W9 H	Llantera Garcia Tire and Auto Repair 2523 Whittier Boulevard Los Angeles	Auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W10 H	JV's Auto Repair and Upholstery 2600 Whittier Boulevard. Los Angeles	Auto repair facility. Service bays observed. A high potential for environmental impact exists based on the type of operation.
W11 H	Bicol Motors and Body Shop 2617 Whittier Boulevard Los Angeles	Auto repair facility. A high potential for environmental impact exists based on the type of operation.
W12 H	Quinteros and Sons Tires 2726 Whittier Boulevard Los Angeles	Auto repair and tire facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
W13 M	Vacant lot 2755 Whittier Boulevard Los Angeles	Fenced vacant lot. Two vehicles parked on the lot. 55-gallon drums observed. Appears the property is being used as a storage area. A moderate potential for environmental impact exists based on visual observations.
W14 H	H.I.S Auto Center 2762 Whittier Boulevard Los Angeles	Auto repair facility. Pump island and fuel dispensers observed. A high potential for environmental impact exists based on visual observations.
W15 H	Angeles Auto Supplies 2770 Whittier Boulevard Los Angeles	Site appears to be a vacant auto repair facility. 55-gallon drums observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W16 H	Ixtlan Baterias 2829 Whittier Boulevard Los Angeles	Facility rebuilds batteries. Auto repair, surface staining and batteries observed. Acid stored on site. A high potential for environmental impact exists based the type of operation and visual observations.
W17 M	Facility name: unknown 2839 and 2843 Whittier Boulevard Los Angeles	According to the signs, both facilities sell plastic containers. A moderate potential for environmental impact exists based on the type of operations.

Field Reconnaissance Survey
Whittier Boulevard/Alternative 7 (page 4 of 9)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W18 H	Los Angeles City Fire Station #25 2927 Whittier Boulevard Los Angeles	UST related equipment (fill caps) observed. A high potential for environmental impact exists based on visual observations.
W19 H	Sloans Cleaners and Laundry 2924 Whittier Boulevard Los Angeles	Dry cleaning facility. A high potential for environmental impact exists based on the type of operation.
W20 L	La Barca Tortilleria 3047 Whittier Boulevard Los Angeles	Bakery. Large AST observed. A low potential for environmental impact exists based on the type of operation and visual observations.
W21 M	Facility name: unknown No address: first property after the 60 Freeway Los Angeles	Appears to be a second hand salvage yard. A moderate potential for environmental impact exists based on visual observations.
W22 H	Arco Gas Station Northeast corner of Lorena and Whittier Los Angeles	Retail gasoline service station. A high potential for environmental impact exists based on the type of operation.
W23 L	Toltec Carwash 3443 Whittier Boulevard Los Angeles	Car wash facility. A low potential for environmental impact exists based on the type of operation and visual observations.
W24 L	Foto Estudio Zapata 3500 Whittier Boulevard Los Angeles	Photography studio. A low potential for environmental impact exists based on the type of operation and visual observations.
W25 H	Refuse Removal Facility 3523-3551 Whittier Boulevard Los Angeles	Truck and dumpster storage. Surface staining and hazardous materials observed. A high potential for environmental impact exists based on visual observations.
W26 H	Amro Industries 3551 Whittier Boulevard Los Angeles	Site appears not in operation. A high potential for environmental impact exists based on the unknown type of operation.
W27 H	CMD Refuse Removal 3534 Whittier Boulevard Los Angeles	Storage and parking area for refuse trucks. Pump island and surface staining observed. A high potential for environmental impact exists based on visual observations.

Field Reconnaissance Survey
Whittier Boulevard/Alternative 7 (page 5 of 9)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W28 H	Gamez Auto Center 3561 Whittier Boulevard Los Angeles	Auto repair facility. 55-gallon drums and surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W29 M	Jaugues Auto Sales 3560 Whittier Boulevard Los Angeles	Sales facility. A moderate potential for environmental impact exists based on the type of operation.
W29a H	Odd Fellows Cemetery Southeast Corner of Whittier Boulevard and Esperanza Street Los Angeles	Cemetery. A high potential for environmental impact exists based on the type of operation.
W30 M	A & B Ornamental 3710 Whittier Boulevard (approximately) Los Angeles	Ornamental iron works. Facility does not front Whittier Boulevard. No operations observable. A moderate potential for environmental impact exists based on location.
W31 H	J & A General Auto Repair and Engine Overhaul 3715 Whittier Boulevard Los Angeles	Auto repair facility. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
W32a M	Juarez Manufacturing 3728 Whittier Boulevard Los Angeles	Wood work facility. A moderate potential for environmental impact exists based on the type of operation.
W32 H	Lantino Americana Mortuary 3827 Whittier Boulevard Los Angeles	Mortuary/funeral home. A high potential for environmental impact exists based on the type of operation.
W33 H	Foster Cleaners 3901 Whittier Boulevard Los Angeles	Dry cleaning facility. Appears dry cleaning is done on site. A high potential for environmental impact exists based on the type of operation.
W34 H	Aegis Rent a Car 3900-3910 Whittier Boulevard Los Angeles	Car rental facility. A potential for auto repair occurring on the site exists. A high potential for environmental impact exists based on visual observations.
W35 H	Aguilar Body Shop 3913 Whittier Boulevard Los Angeles	Auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.

Field Reconnaissance Survey
Whittier Boulevard/Alternative 7 (page 6 of 9)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W36 H	A & F Auto Parts 3928 Whittier Boulevard Los Angeles	Engine rebuilding and auto repair facility. Surface staining observed. Hydrocarbon odor detected from Whittier Boulevard. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
W37 H	J & F Tire and Automotive Services and Mora's Quality Body Shop 3961 Whittier Boulevard Los Angeles	Two auto repair facilities located at this site. A high potential for environmental impact exists based on the type of operations.
W38 H	Arturo's Ironworks 3970 Whittier Boulevard (approximately) Los Angeles	Appears to be a vacant store front. A high potential for environmental impact exists based on the unknown type of operation.
W39 H	Salgado Automotive Rebuilders 3975 Whittier Boulevard Los Angeles	Auto repair facility. 55-gallon drums used to store car parts. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W40 H	Thrifty Gasoline Station 3990 Whittier Boulevard Los Angeles	Retail gasoline service station. See Site Q on the Regulatory List Search Results table. A high potential for environmental impact exists based on the type of operation.
W41 H	Whittier Tire Shop 4001 Whittier Boulevard Los Angeles	Tire repair facility. A high potential for environmental impact exists based on the type of operation.
W42 L	Roto-roooter Sewer Service Whittier Boulevard (no address visible) Los Angeles	Office and truck storage facility. A low potential for environmental impact exists based on visual observations.
W43 L	Facility name: unknown 4016 Whittier Boulevard (approximately) Los Angeles	Appears to be a junk yard. Located near the intersection of Gage Avenue. Various household appliances and building materials observed. A low potential for environmental impact exists based on visual observations.
W44 H	Arturo's Ironworks 4001B Whittier Boulevard Los Angeles	Ironworks facility with 55-gallon drums and paint cans observed. A high potential for environmental impact exists based on the type of operation.
W45 M	American Granite 4084 Whittier Boulevard Los Angeles	Head/tomb stone manufacturing. A moderate potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
Whittier Boulevard/Alternative 7 (page 7 of 9)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W46 H	El Pedorrero 4101 Whittier Boulevard Los Angeles	Muffler repair facility. A high potential for environmental impact exists based on the type of operation.
W47 M	Linares Auto Sales 4118 Whittier Boulevard Los Angeles	Sales facility with possible auto repair area. A moderate potential for environmental impact exists based on the size of operation.
W48 H	Facility name: unknown 4131 Whittier Boulevard Los Angeles	Fenced lot with numerous parked vehicles. Various auto parts observed. A high potential for environmental impact exists based on visual observations and unknown usage.
W49 M	Superior Marble and Granite Works 4161 Whittier Boulevard Los Angeles	Head/tomb stone manufacturing. A moderate potential for environmental impact exists based on the type of operation.
W50 M	Legrand Wilbert Vaults 4169 Whittier Boulevard Los Angeles	Manufacturer of cement caskets. A moderate potential for environmental impact exists based on the type of operation.
W51 H	Tampa Auto Sales 4166½ and 4166 Whittier Boulevard Los Angeles	Sales facility. Sites appear to be a former gas station. A moderate potential for environmental impact exists based on visual observations.
W52 H	Legrand Wilbert Vaults 4200 Whittier Boulevard Los Angeles	Manufacturer of concrete vaults. In 1991, an UST was removed from the property. Property owner is waiting for closure from the Los Angeles City Fire Department. A high potential for environmental impact exists based on verbal communication.
W52a H	Calvary Cemetery 4201 Whittier Boulevard Los Angeles	Cemetery. A high potential for environmental impact exists based on the type of operation. See Site S on the Regulatory List Search Results table.
W52b H	Home of Peace Memorial Park Southwest Corner of Whittier Boulevard and Eastern Avenue Los Angeles	Cemetery. A high potential for environmental impact exists based on the type of operation.
W53 H	Shell Station 4411 Whittier Boulevard Los Angeles	Retail gasoline service station. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
Whittier Boulevard/Alternative 7 (page 8 of 9)

ID. NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W54 H	The Car Depot 4424 Whittier Boulevard Los Angeles	Auto sales facility with a small repair area in the rear of the property. A high potential for environmental impact exists based on the type of operation and visual observations.
W55 H	Bud Hawkins Garage 4466 Whittier Boulevard Los Angeles	Auto repair facility. A high potential for environmental impact exists based on the type of operation.
W56 L	1 Hour Foto 4580 Whittier Boulevard Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
W57 H	Vic the Tailor/Cleaners 4617 Whittier Boulevard Los Angeles	Tailor and dry cleaning facility. A high potential for environmental impact exists based on the type of operation.
W58 L	Germer's Photo Studio 5112 Whittier Boulevard Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
W59 H	Lora's Tailor Shop and Cleaning 5120 Whittier Boulevard Los Angeles	Tailor and dry cleaning facility. Appears dry cleaning is performed on site. A high potential for environmental impact exists based on the type of operation.
W60 H	Alatore Market and A & J Auto 5127 Whittier Boulevard Los Angeles	Market and auto repair facility. The auto repair facility is located at the rear of the property. Surface staining observed. A high potential for environmental impact exists based on the type of operations.
W61 M	Solutions 5143 Whittier Boulevard Los Angeles	Music store and market. Located in the rear of the property is a small fenced area which appears to be used as vehicle storage. Surface staining observed. A moderate potential for environmental impact exists based on the type of operations and visual observations.
W62 H	Vargas Auto Sales and Stereos, Cycle Center, and L.A. Auto Repair 5150 Whittier Boulevard (approximately) Los Angeles	Various auto related facilities. Surface staining observed. A high potential for environmental impact exists based on visual observations.
W63 L	1 Hour Photo/Cleaners 5211 Whittier Boulevard East Los Angeles	The site is a combination of a cleaner and photography store. No dry cleaning or photograph development occurs on site. A low potential for environmental impact exists based on verbal communication.

Field Reconnaissance Survey
Whittier Boulevard/Alternative 7 (page 9 of 9)

ID. NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W64 H	Arco Service Station 5200 Whittier Boulevard Los Angeles	Retail gasoline service station. Service bays observed. A high potential for environmental impact exists based on the type of operation.

**Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
Segment 3/MOS-3
Field Reconnaissance Survey
Identification Numbers Consecutive From West to East**

Brooklyn/Whittier/College/Alternative10

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
F1 H	Unocal Center Street Terminal Northwest Corner of Center Drive & Ducommun Street Los Angeles	Storage and fueling area for Unocal products. ASTs observed. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
F2 H	Viertels Auto Wrecking 500 Center Drive Los Angeles	Fenced wrecking yard. A high potential for environmental impact exists based on the type of operation.
B1 H	Friedman Bag Company 801 Commercial Street Los Angeles	Warehouse type structure. See Site C on the Regulatory List Search Results table. A high potential for environmental impact exists based on the possible presence of an UST.
B2 L	A & H Greenfield Metal 830 East Commercial Street Los Angeles	Warehouse type structure. See Site D on the Regulatory List Search Results table. A low potential for environmental impact exists based on the regulatory agency status.
B3 H	Peck Hills Furniture Located Adjacent to the Northwest Corner of Mission Road and Via La Reina Los Angeles	Warehouse type structure. A high potential for environmental impact exists based on the type of operation.
B4 M	El Pato/Walker Foods South of 333 North Mission Road Los Angeles	Appears to be a food processing plant. A moderate potential for environmental impact exists based on the type of operation.
B5 H	Miller Electric Cable Located on the Northwest Corner of Mission Road and Via La Reina Los Angeles	Warehouse type structure. 55-gallon drums observed. A high potential for environmental impact exists based on the type of operation and visual observations.
B6 H	TNT Auto Sales 333 North Mission Road Los Angeles	Auto sales and repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
 Brooklyn/Whittier/College/Alternative10 (page 2 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B7 H	National Brothers 319 Mission Road Los Angeles	Warehouse type structure. Surface staining observed. A moderate potential for environmental impact exists based on visual observations.
B8 H	Facility name: unknown 1627 Brooklyn Avenue Los Angeles	Auto and cab repair facility. A high potential for environmental impact exists based on the type of operation.
B9 H	Hernandez Muffler 1627 Brooklyn Avenue Los Angeles	Muffler repair facility with three service bays. A high potential for environmental impact exists based on the type of operation.
B10 H	Canutos Mufflers/Phillips Tires 419 Boyle Avenue Los Angeles	Auto repair facility. Presence of former service station canopy and pump islands. Two service bays noted. Surface staining observed. A high potential for environmental impact exists based on possible use as gas station.
B11 H	Southwest corner of Brooklyn Avenue & State Street Los Angeles	Vacant lot with thirty-five to forty 55-gallon drums noted. Location appears to be under environmental investigation. A high potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
B12 H	Shell Service Station 1900 Brooklyn Avenue Los Angeles	Retail gasoline service station. A high potential for environmental impact exists based on the type of operation. See Site G on the Regulatory List Search Results table.
B13 H	Fire Station # 2 1962 Brooklyn Avenue Los Angeles	Location appears to be a recently constructed Fire Station. Possibility of fuel storage appears high due type of operation. A high potential for environmental impact exists based on the type of operation.
B14 H	King Taco Southeast corner of Brooklyn Avenue and Soto Street Los Angeles	Restaurant. The site appears to be a conversion of a former gasoline service station. Two canopy areas with pump islands appear to be present. A high potential for environmental impact exists based visual observations.
B15 L	Martinez Photo 2411 Brooklyn Avenue Los Angeles	One hour photograph shop. A low potential for environmental impact exists based on the type of operation.
B16 H	Karina's Cleaners 2503 Brooklyn Avenue Los Angeles	Dry cleaning facility. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
 Brooklyn/Whittier/College/Alternative10 (page 3 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B17 H	Brooklyn Auto Service 2617 Brooklyn Avenue Los Angeles	Auto sales and repair facility. A high potential for environmental impact exists based on the type of operation and visual observations.
B18 L	Vazquez Photography 2628 Brooklyn Avenue Los Angeles	One hour photograph shop. Low potential for environmental impact based on the type of operation.
B19 H	Brooklyn Radiator Service and Machine Shop 2802 Brooklyn Avenue Los Angeles	Auto parts sales, machine shop and radiator service. Surface staining observed in the radiator repair area. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
B20 H	Jack's Market Northeast corner of Brooklyn and Forest Avenues Los Angeles	Vacant lot with concrete pads and structures which appears to be in the configuration of a former gasoline station. A high potential for environmental impact exists based on the potential type of operation and visual observations.
B21 H	Pepes Garage 2840 Brooklyn Avenue Los Angeles	Auto repair facility in converted warehouse type building. A high potential for environmental impact exists based on the type of operation.
B22 H	Mas Auto Repair 2817 Brooklyn Avenue Los Angeles	Auto repair facility. Heavy surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
B23 H	RC Garage 2915 Brooklyn Avenue Los Angeles	Auto sales and repair facility. 55-gallon drums and surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
B24 H	Mobil Service Station 2925 Brooklyn Avenue Los Angeles	Retail gasoline service station. Two service bays. A high potential for environmental impact exists based on the type of operation.
B25 H	Brooklyn Tire Service 3025 Brooklyn Avenue Los Angeles	Tire sales facility. Appears to be located in a former gasoline service station. A high potential for environmental impact exists based on the potential type of operation.
B26 H	Beer Mug Helada 3091 Brooklyn Avenue Los Angeles	Retail liquor sales appearing to a former gasoline station or drive through dairy. A high potential for environmental impact exists based on the potential type of operation and visual observations.

Field Reconnaissance Survey
 Brooklyn/Whittier/College/Alternative10 (page 4 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B27 H	Harold's Body Shop 3251 Brooklyn Avenue Los Angeles	Auto body repair facility with two service bays. 55-gallon drums and surface staining noted. Possible vehicle maintenance operations. A high potential for environmental impact exists based on the type of operation.
11 L	City of Los Angeles, Department of Water and Power 123 Indiana Street Los Angeles	Use of structure is unknown. A low potential for environmental impact exists based on visual observations.
12 H	Martinez Auto Sales 3566 3rd Street (northwest corner of Indiana and 3rd Streets) Los Angeles	Sales and auto repair occurring on site. Minor surface staining observed. A moderate potential for environmental impact exists based on the type of operation and visual observations.
13 H	Vacant lot Southeast corner of Indiana and 3rd Streets Los Angeles	Fenced lot with no structures. Site appears to be under remediation. Two large covered soil piles observed. A high potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
14 H	Facility name: unknown 601 Indiana Street (approximately) Los Angeles	Site appears to be a former gasoline station. Surface staining observed. A high potential for environmental impact exists based on visual observations.
15 M	El Remate Auto Sales 720 Indiana Street (approximately) Los Angeles	Sales facility. A moderate potential for environmental impact exists based on the type of operation.
W32 H	Lantino Americana Mortuary 3827 Whittier Boulevard Los Angeles	Mortuary/funeral home. A high potential for environmental impact exists based on the type of operation.
W33 H	Foster Cleaners 3901 Whittier Boulevard Los Angeles	Dry cleaning facility. Appears dry cleaning is done on site. A high potential for environmental impact exists based on the type of operation.
W34 H	Aegis Rent a Car 3900-3910 Whittier Boulevard Los Angeles	Car rental facility. A potential for auto repair occurring on the site exists. A high potential for environmental impact exists based on visual observations.
W35 H	Aguilar Body Shop 3913 Whittier Boulevard Los Angeles	Auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.

Field Reconnaissance Survey
 Brooklyn/Whittier/College/Alternative10 (page 5 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W36 H	A & F Auto Parts 3928 Whittier Boulevard Los Angeles	Engine rebuilding and auto repair facility. Surface staining observed. Hydrocarbon odor detected from Whittier Boulevard. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
W37 H	J & F Tire and Automotive Services and Mora's Quality Body Shop 3961 Whittier Boulevard Los Angeles	Two auto repair facilities located at this site. A high potential for environmental impact exists based on the type of operations.
W38 H	Arturo's Ironworks 3970 Whittier Boulevard (approximately) Los Angeles	Appears to be a vacant store front. A high potential for environmental impact exists based on the unknown type of operation.
W39 H	Salgado Automotive Rebuilders 3975 Whittier Boulevard Los Angeles	Auto repair facility. 55-gallon drums used to store car parts. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W40 H	Thrifty Gasoline Station 3990 Whittier Boulevard Los Angeles	Retail gasoline service station. See Site Q on the Regulatory List Search Results table. A high potential for environmental impact exists based on the type of operation.
W41 H	Whittier Tire Shop 4001 Whittier Boulevard Los Angeles	Tire repair facility. A high potential for environmental impact exists based on the type of operation.
W42 L	Roto-roooter Sewer Service Whittier Boulevard (no address visible) Los Angeles	Office and truck storage facility. A low potential for environmental impact exists based on visual observations.
W43 L	Facility name: unknown 4016 Whittier Boulevard (approximately) Los Angeles	Appears to be a junk yard. Located near the intersection of Gage Avenue. Various household appliances and building materials observed. A low potential for environmental impact exists based on visual observations.
W44 H	Arturo's Ironworks 4001B Whittier Boulevard Los Angeles	Ironworks facility with 55-gallon drums and paint cans observed. A high potential for environmental impact exists based on the type of operation.
W45 M	American Granite 4084 Whittier Boulevard Los Angeles	Head/tomb stone manufacturing. A moderate potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
 Brooklyn/Whittier/College/Alternative10 (page 6 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W46 H	El Pedorrero 4101 Whittier Boulevard Los Angeles	Muffler repair facility. A high potential for environmental impact exists based on the type of operation.
W47 M	Linares Auto Sales 4118 Whittier Boulevard Los Angeles	Sales facility with possible auto repair area. A moderate potential for environmental impact exists based on the size of operation.
W48 H	Facility name: unknown 4131 Whittier Boulevard Los Angeles	Fenced lot with numerous parked vehicles. Various auto parts observed. A high potential for environmental impact exists based on visual observations and unknown usage.
W49 M	Superior Marble and Granite Works 4161 Whittier Boulevard Los Angeles	Head/tomb stone manufacturing. A moderate potential for environmental impact exists based on the type of operation.
W50 M	Legrand Wilbert Vaults 4169 Whittier Boulevard Los Angeles	Manufacturer of cement caskets. A moderate potential for environmental impact exists based on the type of operation.
W51 H	Tampa Auto Sales 4166½ and 4166 Whittier Boulevard Los Angeles	Sales facility. Sites appear to be a former gas station. A high potential for environmental impact exists based on visual observations.
W52 H	Legrand Wilbert Vaults 4200 Whittier Boulevard Los Angeles	Manufacturer of concrete vaults. In 1991, an UST was removed from the property. Property owner is waiting for closure from the Los Angeles City Fire Department. A high potential for environmental impact exists based on verbal communication.
W52a H	Calvary Cemetery 4201 Whittier Boulevard Los Angeles	Cemetery. A high potential for environmental impact exists based on the type of operation. See Site S on the Regulatory List Search Results table.
W52b H	Home of Peace Memorial Park Southwest Corner of Whittier Boulevard and Eastern Avenue Los Angeles	Cemetery. A high potential for environmental impact exists based on the type of operation.
W53 H	Shell Station 4411 Whittier Boulevard Los Angeles	Retail gasoline service station. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
 Brooklyn/Whittier/College/Alternative10 (page 7 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W54 H	The Car Depot 4424 Whittier Boulevard Los Angeles	Auto sales facility with a small repair area in the rear of the property. A high potential for environmental impact exists based on the type of operation and visual observations.
W55 H	Bud Hawkins Garage 4466 Whittier Boulevard Los Angeles	Auto repair facility. A high potential for environmental impact exists based on the type of operation.
W56 L	1 Hour Foto 4580 Whittier Boulevard Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
W57 H	Vic the Tailor/Cleaners 4617 Whittier Boulevard Los Angeles	Tailor and dry cleaning facility. A high potential for environmental impact exists based on the type of operation.
W58 L	Germar's Photo Studio 5112 Whittier Boulevard Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
W59 H	Lora's Tailor Shop and Cleaning 5120 Whittier Boulevard Los Angeles	Tailor and dry cleaning facility. Appears dry cleaning is performed on site. A high potential for environmental impact exists based on the type of operation.
W60 H	Alatore Market and A & J Auto 5127 Whittier Boulevard Los Angeles	Market and auto repair facility. The auto repair facility is located at the rear of the property. Surface staining observed. A high potential for environmental impact exists based on the type of operations.
W61 M	Solutions 5143 Whittier Boulevard Los Angeles	Music store and market. Located in the rear of the property is a small fenced area which appears to be used as vehicle storage. Surface staining observed. A moderate potential for environmental impact exists based on the type of operations and visual observations.
A42 H	Mario's Transmission 755 Atlantic Boulevard Los Angeles	Auto repair facility. Storage of auto parts and surface staining visible from Atlantic Boulevard. Located in the rear of the property, near the alley way, surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.

Field Reconnaissance Survey
 Brooklyn/Whittier/College/Alternative10 (page 8 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
A41 H	Facility name: unknown Located adjacent to 755 Atlantic Boulevard Los Angeles	Appears to be a junk yard/storage area. The site is located on the northern adjacent property to 755 Atlantic Boulevard (Mario's Transmission). Vehicles and parts observed. A high potential for environmental impact exists based on the type of operation.
A40 H	Freeway Ford 668 Atlantic Boulevard Los Angeles	Sales and auto repair facility. See Site Y on the Regulatory List Search Results table. A high potential for environmental impact exists based on the type of operation.
A39 H	U-Haul 657 Atlantic Boulevard Los Angeles	Storage and rental facility for U-Haul trailers. A pump island with one fuel dispenser is located on the property. One propane AST and service bays are also visible. A high potential for environmental impact exists based on visual observations.
A38 H	C & P Mechanic Shop 640 Atlantic Boulevard Los Angeles	Auto repair facility. 55-gallon drums of oil and surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
A37 M	Auto Electric Del Norte 632 Atlantic Boulevard Los Angeles	Electrical repair facility. One 55-gallon drum of solvent observed. A moderate potential for environmental impact exists based on the size of operation and visual observations.
A36 H	BC Carburetor 629 1/2 Atlantic Boulevard Los Angeles	Auto repair facility. 55-gallon drums of solvent, acid, waste oil, and oil observed. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
A35 H	Acuario Auto Sales & Body Shop 620 Atlantic Boulevard Los Angeles	Sales facility. The body shop does not appear operational. A high potential for environmental impact exists based on the type of operation.
A34 H	Jesse's Auto Sales 604 Atlantic Boulevard Los Angeles	Sales and auto repair facility. The portion of the property which fronts Atlantic Boulevard is the sales facility. The portion of the property which fronts 6th Street appears to be the auto repair facility. Heavy staining observed. Water with a prominent oil sheen was observed running from the facility over the sidewalk and into the street gutter. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
A33 H	Studio Motors 575 Atlantic Boulevard Los Angeles	Sales and auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.

Field Reconnaissance Survey
 Brooklyn/Whittier/College/Alternative10 (page 9 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
A32 H	European Specialists 565 Atlantic Boulevard Los Angeles	Sales and auto repair facility. According to site personnel, there are no USTs or clarifiers on the property although waste oil is produced. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
A31 M	Auto Liquidations 545 and 545½ Atlantic Boulevard Los Angeles	Structures appear vacant and no vehicles are present on the lot. Car parts are hanging over a fence. Surface staining observed. A moderate potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
A30 M	Ches Auto Sales 525 Atlantic Boulevard Los Angeles	Sales facility. According to sales personnel, no servicing of vehicles occurs on the site. A moderate potential for environmental impact exists based verbal communication and visual observations.
A29 H	To Sales 507 Atlantic Boulevard Los Angeles	Auto repair appears to be occurring on this site. A block wall separates this site from the front lot (parking lot) along Atlantic Boulevard. Visual inspection of the ground surface was obstructed by the numerous damaged cars parked on the site. A high potential for environmental impact exists based on visual observations.
A28 H	Taller Mecanic Automotriz 490 Atlantic Boulevard Los Angeles	Sales and auto repair facility. A service bay and surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
A27 H	Holiday Auto Sales, Daniels Carburetors, Especizlotiz Auto Grooming 475 Atlantic Boulevard Los Angeles	Site appears to be occupied by three auto repair facilities. Multiple service bays and surface staining observed. Hydrocarbon odors detected. A high potential for environmental impact exists based on the type of operations and visual observations.
A26 M	America Motors 450 Atlantic Boulevard Los Angeles	Sales facility with a possible service area in the rear of the property. A moderate potential for environmental impact exists based on the size of operation.
A25 M	Rohles Auto Center 440 Atlantic Boulevard Los Angeles	Sales facility. A moderate potential for environmental impact exists based on the type of operation.
A24 M	Robles Auto Sale 431 Atlantic Boulevard Los Angeles	Sales facility with a small service area located in the rear of the property. A moderate potential for environmental impact exists based on the size of operation.

Field Reconnaissance Survey
 Brooklyn/Whittier/College/Alternative10 (page 10 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
A23 H	All Truck Auto Sales 422 Atlantic Boulevard Los Angeles	Sales and auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of observation and visual observations.
A22 H	Brotman Auto Body Center 397 Atlantic Boulevard Los Angeles	Auto repair facility. Multiple service bays observed. A high potential for environmental impact exists based on the type of operation.
A21 H	Atlas Resale 344 Atlantic Boulevard Los Angeles	Sales and auto repair facility. A high potential for environmental impact exists based on the type of operation.
A20 H	Facility name: unknown Southwest corner of 4th St. and Atlantic Blvd. Los Angeles	Vacant lot. Site is former location of a gasoline station and tire center as indicated by a sign on the property. See Site W on the Regulatory List Search Results table. A high potential for environmental impact exists based on visual observations.
A19 H	Affordable Auto Insurance 395 Atlantic Boulevard Los Angeles	Possible service bay and repair area located behind the structure. Surface staining observed. A high potential for environmental impact exists based on visual observations.
A18 H	Serrano Auto Supply and Service 326 Atlantic Boulevard Los Angeles	Auto repair facility. Service bays and machine shop observed. A high potential for environmental impact exists based on the type of operation.
A17 H	Swap Meet 377 Atlantic Boulevard Los Angeles	Site appears to be a former gasoline station or auto repair facility. Buses are parked in possible service bays. A high potential for environmental impact exists based on the type of operation and visual observations.
A16 H	Argo Fleet Services 343 Atlantic Boulevard Los Angeles	Only the building front is visible. A high potential for environmental impact exists based on the type of operation.
A15 H	JC Transmission Center 345 Atlantic Boulevard Los Angeles	Interior of building is converted into a transmission shop. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
A14 H	Progresso Auto Sales 337 Atlantic Boulevard Los Angeles	Sales and service facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.

Field Reconnaissance Survey
 Brooklyn/Whittier/College/Alternative10 (page 11 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
A13 H	Unocal Service Station 300 Atlantic Boulevard Los Angeles	Retail gasoline service station. Service bay observed. UST cluster located along Atlantic Boulevard. A high potential for environmental impact exists based on the type of operation.
A12 H	Mobil Station 301 Atlantic Boulevard Los Angeles	Retail gasoline service station. UST cluster located along Atlantic Boulevard. A high potential for environmental impact exists based on the type of operation.
A11 H	Sako's Service 5201 Beverly Boulevard Los Angeles	Auto repair facility. Service bays and vent risers observed. A high potential for environmental impact exists based on the type of operations.
A10 H	Rockview Dairy 288 Atlantic Boulevard Los Angeles	Site appears to be a former gasoline station. A high potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
A9 H	Pep Boys 256 Atlantic Boulevard Los Angeles	Retail auto parts store and auto repair facility. Service bay and auto parts washer observed. A high potential for environmental impact exists based on the type of operation and visual observations.
A8 H	Chevron Service Station 250 Atlantic Boulevard Los Angeles	Retail gasoline station. Service bays observed. UST cluster located at the corner of Pomona and Atlantic Boulevard. A high potential for environmental impact exists based on the type of operation.
A7 H	H & L Auto Exchange 255 Atlantic Boulevard Los Angeles	Sales facility with a service area possibly located in the rear of the property. A high potential for environmental impact exists based on the type of operation.
A6 L	Active Glass Company 708 Atlantic Boulevard Los Angeles	Appears to be a retail sales facility. Sign on building states "mirrors, table tops, window glass", possible glass plating. A low potential for environmental impact exists based visual observations.
A5 H	Camino Real Chevrolet 2401 Atlantic Boulevard Monterey Park	Auto dealership and repair facility. The site is contained on the CRWQCB's leaking underground storage tank list. See Site V on the Regulatory List Search Results table. A high potential for environmental impact exists based on the uncharacterized nature of the contamination.
A4 H	All Tire Auto Center 2314 Atlantic Boulevard Los Angeles	Auto repair facility. Service bays observed. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
Brooklyn/Whittier/College/Alternative10 (page 12 of 12)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
A3 H	Chevron Station 2301 Atlantic Boulevard Monterey Park	Retail gasoline service station. UST cluster appears to be located in the rear of the property. A high potential for environmental impact exists based on the type of operation.
A2 H	Shell Station 2291 Atlantic Boulevard Monterey Park	Retail gasoline service station. The site is contained on the CRWQCB's leaking underground storage tank list. See Site K on the Regulatory List Search Results table. A high potential for environmental impact exists based on the uncharacterized nature of the contamination.

**Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
Segment 3/MOS-3**

**Field Reconnaissance Survey Results
Identification Numbers Consecutive From West to East**

First Street - With Metro Rail Yard Station/Alternative 6A

ID. NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B1 H	Friedman Bag Company 801 Commercial Street Los Angeles	Warehouse type structure. See Site C on the Regulatory List Search Results table. A high potential for environmental impact exists based on the possible presence of an UST.
F1 H	Unocal Center Street Terminal Northwest Corner of Center Drive & Ducommun Street Los Angeles	Storage and fueling area for Unocal products. ASTs observed. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
F2 H	Viertels Auto Wrecking 500 Center Drive Los Angeles	Fenced wrecking yard. A high potential for environmental impact exists based on the type of operation.
F3 H	Manley Oil Company 410 Center Drive Los Angeles	Oil refining and distribution facility. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
S3 M	Wood Processing 815 Temple Street Los Angeles	Food processing facility. 55-gallon drums observed. A moderate potential for environmental impact exists based on visual observations.
S3a H	Metro Rail Yard Located Between First Street, Fourth Street, the Los Angeles River, and Santa Fe Avenue Los Angeles	Office, storage and maintenance facility for the Metro Rail. A high potential for environmental impact exists based on the type of operation.
M2 H	Facility name: unknown 338 Mission Road Los Angeles	Unknown type of operation. Warehouse type structure. 55-gallon drums observed. Blue colored staining observed along the railroad right-of-way. A high potential for environmental impact exists based on visual observations.
M3 H	Stay & Day Paint Materials Company 363 Mission Road Los Angeles	Appears to be a paint manufacturing plant. 55-gallon drums observed. A high potential for environmental impact exists based on the type of operation and visual observations.

Field Reconnaissance Survey
First Street - With Metro Rail Yard Station/Alternative 6A (page 2 of 7)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
AN2 M	Facility name: unknown 1440 Boyd Street Los Angeles	Parking lot. Open and closed 55-gallon drums observed in the parking lot. A moderate potential for environmental impact exists based on visual observations.
AN3 H	Facility name: unknown 323 South Clarence Street Los Angeles	Two structures appearing to be vacant. One structure has the appearance of a service garage. Diesel trucks are located in the parking lot. Pump island observed. A high potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
F8 H	Rodriguez Transfer 1750 First Street (approximately) Los Angeles	Fenced lot with seven parked trucks. Seven 55-gallon drums visible. The drums are labeled "Soil Cuttings, Brown & Caldwell, Ontario Savings Site". A high potential for environmental impact exists based on visual observations.
F9 H	Shell Service Station 1750 First Street Los Angeles	Retail gasoline station. Pump islands are present but the fuel dispensers have been removed. A large excavation is present. Auto repair appears to be occurring in the service bays. One 55-gallon paper barrel covered with oil is visible. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
F10 L	Rudy's Fotostudio 1860 First Street Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
F11 H	Vega Service 1869 First Street Los Angeles	Service bays and one pump island visible. No fuel dispensers are located on the pump island. A high potential for environmental impact exists based on the type of operation and visual observations.
F12 L	A & A Auto Tire Service 1939 First Street Los Angeles	Tire sales facility appearing to be located behind a residential structure. A low potential for environmental impact exists based on the type of operation.
F13 H	Los Angeles Police Department Hollenbeck Station 2111 First Street Los Angeles	Service bays and one pump island with two fuel dispensers visible. A high potential for environmental impact exists based on the type of operation and visual observations.
F14 H	Fire Station 2 2124 First Street (approximately) Los Angeles	Abandoned fire station. The driveway is currently being used for parking. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey

First Street - With Metro Rail Yard Station/Alternative 6A (page 3 of 7)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
F15 H	CD Transmission, Marlenes, Corbian Auto Sales 2239 First Street Los Angeles	Auto repair facilities. 55-gallon drums, hydraulic lifts and heavy surface staining visible. A high potential for environmental impact exists based on the type of operations and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
F16 H	Carros Usados Auto Sales and Repair 111 South Soto Street (Southwest corner of First and Soto Streets) Los Angeles	Sales and auto repair facility. Pump islands visible. The fuel dispensers are covered with cloth bags. Auto repair occurring on the site. According to site personnel, the site was a gas station and has not been operational for approximately 10 years. According to the site personnel, the USTs are scheduled for removal sometime this year. A high potential for environmental impact exists based on the type of operation and visual observations.
F17 H	The Fashion Cleaners 2501 First Street Los Angeles	Dry cleaning facility. A high potential for environmental impact exists based on the type of operation.
F18 H	M.Y. Service 2701 First Street Los Angeles	Auto repair facility. Site appears to be a former gasoline station. 55-gallon drums are visible. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
F19 M	Facility name: unknown 2940-2924 First Street (approximately) Los Angeles	Fenced lot with three parked diesel trucks. 55-gallon drums and surface staining are visible. A moderate potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
F19a H	Evergreen Cemetery 3301 East First Street Los Angeles	Cemetery. A high potential for environmental impact exists based on the type of operation. See Site L on the Regulatory List Search Results table.
F20 M	Zacatecas Auto Sales 3424 First Street Los Angeles	Sales facility. 55-gallon drums and surface staining visible. An oil sheen also visible on the driveway. The rear of the property appears to be utilized as auto storage and residence. A moderate potential for environmental impact exists based on the size of operation.
F21 H	La Gloria 3454 First Street Los Angeles	Site appears to be currently utilized as vehicle storage. Site appears to be a former gas station. Surface staining visible. A high potential for environmental impact exists based on visual observations.
F22 H	Autos El Prieto 3464 First Street Los Angeles	Auto repair facility. Surface staining visible. A high potential for environmental impact exists based on the type of operation and visual observations.

Field Reconnaissance Survey
 First Street - With Metro Rail Yard Station/Alternative 6A (page 4 of 7)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
11 L	City of Los Angeles, Department of Water and Power 123 Indiana Street Los Angeles	Use of structure is unknown. A low potential for environmental impact exists based on visual observations.
12 H	Martinez Auto Sales 3566 3rd Street (northwest corner of Indiana and 3rd Streets) Los Angeles	Sales and auto repair occurring on site. Minor surface staining observed. A moderate potential for environmental impact exists based on the type of operation and visual observations.
13 H	Vacant lot Southeast corner of Indiana and 3rd Streets Los Angeles	Fenced lot with no structures. Site appears to be under remediation. Two large covered soil piles observed. A high potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
14 H	Facility name: unknown 601 Indiana Street (approximately) Los Angeles	Site appears to be a former gasoline station. Surface staining observed. A high potential for environmental impact exists based on visual observations.
15 M	El Remate Auto Sales 720 Indiana Street (approximately) Los Angeles	Sales facility. A moderate potential for environmental impact exists based on the type of operation.
W32 H	Lantino Americana Mortuary 3827 Whittier Boulevard Los Angeles	Mortuary/funeral home. A high potential for environmental impact exists based on the type of operation.
W33 H	Foster Cleaners 3901 Whittier Boulevard Los Angeles	Dry cleaning facility. Appears dry cleaning is done on site. A high potential for environmental impact exists based on the type of operation.
W34 H	Aegis Rent a Car 3900-3910 Whittier Boulevard Los Angeles	Car rental facility. A potential for auto repair occurring on the site exists. A high potential for environmental impact exists based on visual observations.
W35 H	Aguilar Body Shop 3913 Whittier Boulevard Los Angeles	Auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
W36 H	A & F Auto Parts 3928 Whittier Boulevard Los Angeles	Engine rebuilding and auto repair facility. Surface staining observed. Hydrocarbon odor detected from Whittier Boulevard. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.

Field Reconnaissance Survey

First Street - With Metro Rail Yard Station/Alternative 6A (page 5 of 7)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W37 H	J & F Tire and Automotive Services and Mora's Quality Body Shop 3961 Whittier Boulevard Los Angeles	Two auto repair facilities located at this site. A high potential for environmental impact exists based on the type of operations.
W38 H	Arturo's Ironworks 3970 Whittier Boulevard (approximately) Los Angeles	Appears to be a vacant store front. A high potential for environmental impact exists based on the unknown type of operation.
W39 H	Salgado Automotive Rebuilders 3975 Whittier Boulevard Los Angeles	Auto repair facility. 55-gallon drums used to store car parts. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W40 H	Thrifty Gasoline Station 3990 Whittier Boulevard Los Angeles	Retail gasoline service station. See Site Q on the Regulatory List Search Results table. A high potential for environmental impact exists based on the type of operation.
W41 H	Whittier Tire Shop 4001 Whittier Boulevard Los Angeles	Tire repair facility. A high potential for environmental impact exists based on the type of operation.
W42 L	Roto-roooter Sewer Service Whittier Boulevard (no address visible) Los Angeles	Office and truck storage facility. A low potential for environmental impact exists based on visual observations.
W43 L	Facility name: unknown 4016 Whittier Boulevard (approximately) Los Angeles	Appears to be a junk yard. Located near the intersection of Gage Avenue. Various household appliances and building materials observed. A low potential for environmental impact exists based on visual observations.
W44 H	Arturo's Ironworks 4001B Whittier Boulevard Los Angeles	Ironworks facility with 55-gallon drums and paint cans observed. A high potential for environmental impact exists based on the type of operation.
W45 M	American Granite 4084 Whittier Boulevard Los Angeles	Head/tomb stone manufacturing. A moderate potential for environmental impact exists based on the type of operation.
W46 H	El Pedorrero 4101 Whittier Boulevard Los Angeles	Muffler repair facility. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
 First Street - With Metro Rail Yard Station/Alternative 6A (page 6 of 7)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W47 M	Linares Auto Sales 4118 Whittier Boulevard Los Angeles	Sales facility with possible auto repair area. A moderate potential for environmental impact exists based on the size of operation.
W48 H	Facility name: unknown 4131 Whittier Boulevard Los Angeles	Fenced lot with numerous parked vehicles. Various auto parts observed. A high potential for environmental impact exists based on visual observations and unknown usage.
W49 M	Superior Marble and Granite Works 4161 Whittier Boulevard Los Angeles	Head/tomb stone manufacturing. A moderate potential for environmental impact exists based on the type of operation.
W50 M	Legrand Wilbert Vaults 4169 Whittier Boulevard Los Angeles	Manufacturer of cement caskets. A moderate potential for environmental impact exists based on the type of operation.
W51 H	Tampa Auto Sales 4166 $\frac{1}{2}$ and 4166 Whittier Boulevard Los Angeles	Sales facility. Sites appear to be a former gas station. A high potential for environmental impact exists based on visual observations.
W52 H	Legrand Wilbert Vaults 4200 Whittier Boulevard Los Angeles	Manufacturer of concrete vaults. In 1991, an UST was removed from the property. Property owner is waiting for closure from the Los Angeles City Fire Department. A high potential for environmental impact exists based on verbal communication.
W52a H	Calvary Cemetery 4201 Whittier Boulevard Los Angeles	Cemetery. A high potential for environmental impact exists based on the type of operation. See Site S on the Regulatory List Search Results table.
W52b H	Home of Peace Memeorial Park Southwest Corner of Whittier Boulevard and Eastern Avenue Los Angeles	Cemetery. A high potential for environmental impact exists based on the type of operation.
W53 H	Shell Station 4411 Whittier Boulevard Los Angeles	Retail gasoline service station. A high potential for environmental impact exists based on the type of operation.
W54 H	The Car Depot 4424 Whittier Boulevard Los Angeles	Auto sales facility with a small repair area in the rear of the property. A high potential for environmental impact exists based on the type of operation and visual observations.

Field Reconnaissance Survey
 First Street - With Metro Rail Yard Station/Alternative 6A (page 7 of 7)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W55 H	Bud Hawkins Garage 4466 Whittier Boulevard Los Angeles	Auto repair facility. A high potential for environmental impact exists based on the type of operation.
W56 L	1 Hour Foto 4580 Whittier Boulevard Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
W57 H	Vic the Tailor/Cleaners 4617 Whittier Boulevard Los Angeles	Tailor and dry cleaning facility. A high potential for environmental impact exists based on the type of operation.
W58 L	Germar's Photo Studio 5112 Whittier Boulevard Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
W59 H	Lora's Tailor Shop and Cleaning 5120 Whittier Boulevard Los Angeles	Tailor and dry cleaning facility. Appears dry cleaning is performed on site. A high potential for environmental impact exists based on the type of operation.
W60 H	Alatore Market and A & J Auto 5127 Whittier Boulevard Los Angeles	Market and auto repair facility. The auto repair facility is located at the rear of the property. Surface staining observed. A high potential for environmental impact exists based on the type of the operations.
W61 M	Solutions 5143 Whittier Boulevard Los Angeles	Music store and market. Located in the rear of the property is a small fenced area which appears to be used as vehicle storage. Surface staining observed. A moderate potential for environmental impact exists based on the type of operations and visual observations.
W62 H	Vargas Auto Sales and Stereos, Cycle Center, and L.A. Auto Repair 5150 Whittier Boulevard (approximately) Los Angeles	Various auto related facilities. Surface staining observed. A high potential for environmental impact exists based on visual observations.
W63 L	1 Hour Photo/Cleaners 5211 Whittier Boulevard East Los Angeles	The site is a combination of a cleaner and photography store. No dry cleaning or photograph development occurs on site. A low potential for environmental impact exists based on verbal communication.
W64 H	Arco Service Station 5200 Whittier Boulevard Los Angeles	Retail gasoline service station. Service bays observed. A high potential for environmental impact exists based on the type of operation.

**Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
Segment 3/MOS-3**

**Field Reconnaissance Survey Results
Identification Numbers Consecutive From West to East**

First Street - With Metro Rail Yard Station/Alternative 6B

ID. NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B1 H	Friedman Bag Company 801 Commercial Street Los Angeles	Warehouse type structure. See Site C on the Regulatory List Search Results table. A high potential for environmental impact exists based on the possible presence of an UST.
F1 H	Unocal Center Street Terminal Northwest Corner of Center Drive & Ducommun Street Los Angeles	Storage and fueling area for Unocal products. ASTs observed. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
F2 H	Viertels Auto Wrecking 500 Center Drive Los Angeles	Fenced wrecking yard. A high potential for environmental impact exists based on the type of operation.
F3 H	Manley Oil Company 410 Center Drive Los Angeles	Oil refining and distribution facility. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
S1 M	Fishing 411 Center Drive Los Angeles	Type of operation is unknown. Two large ASTs observed. A moderate potential for environmental impact exists based on visual observations.
S2 H	Yuki Import Center 749 Center Drive Los Angeles	Auto repair facility. A moderate potential for environmental impact exists based on the type of operation.
S3 M	Wood Processing 815 Temple Street Los Angeles	Food processing facility. 55-gallon drums observed. A moderate potential for environmental impact exists based on visual observations.
S3a H	Metro Rail Yard Located Between First Street, Fourth Street, the Los Angeles River, and Santa Fe Avenue Los Angeles	Office, storage and maintenance facility for the Metro Rail. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
 First Street - With Metro Rail Yard Station/Alternative 6B (page 2 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
S4 H	Oil Pump Northeast of Palmetto Street and Santa Fe Avenue Los Angeles	Oil pump and three ASTs observed. A high potential for environmental impact exists based on the type of operation.
S5 H	Facility name: unknown Adjacent to the Southwest Corner of Palmetto Street & Santa Fe Avenue Los Angeles	Appears to be a storage yard. Trucks, ASTs, and 55-gallon drums observed. A high potential for environmental impact exists based on visual observations.
S6 H	Sun Chemical, General Printing Ink Division 590 South Santa Fe Avenue Los Angeles	Chemical manufacturing facility. Numerous 55-gallon drums observed. The site is listed as the BASF Inmont Facility on the LUST. See Site M on the Regulatory List Search Results by Alternative Alignments. A high potential for environmental impact exists based on the regulatory agency findings. See Appendix A, Field Reconnaissance Survey Photographs.
M4 H	Mission Services, Inc. 500-525 Mission Street (approximately - between 4th Street and 6th Street) Los Angeles	Storage and maintenance facilities for beverage trucks. Pump islands and fuel dispensers observed. A high potential for environmental impact exists based on visual observations.
AN2 M	Facility name: unknown 1440 Boyd Street Los Angeles	Parking lot. Open and closed 55-gallon drums observed in the parking lot. A moderate potential for environmental impact exists based on visual observations.
AN3 H	Facility name: unknown 323 South Clarence Street Los Angeles	Two structures appearing to be vacant. One structure has the appearance of a service garage. Diesel trucks are located in the parking lot. Pump island observed. A high potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
F8 H	Rodriguez Transfer 1750 First Street (approximately) Los Angeles	Fenced lot with seven parked trucks. Seven 55-gallon drums visible. The drums are labeled "Soil Cuttings, Brown & Caldwell, Ontario Savings Site". A high potential for environmental impact exists based on visual observations.
F9 H	Shell Service Station 1750 First Street Los Angeles	Retail gasoline station. Pump islands are present but the fuel dispensers have been removed. A large excavation is present. Auto repair appears to be occurring in the service bays. One 55-gallon paper barrel covered with oil is visible. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.

Field Reconnaissance Survey

First Street - With Metro Rail Yard Station/Alternative 6B (page 3 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
F10 L	Rudy's Fotostudio 1860 First Street Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
F11 H	Vega Service 1869 First Street Los Angeles	Service bays and one pump island visible. No fuel dispensers are located on the pump island. A high potential for environmental impact exists based on the type of operation and visual observations.
F12 L	A & A Auto Tire Service 1939 First Street Los Angeles	Tire sales facility appearing to be located behind a residential structure. A low potential for environmental impact exists based on the type of operation.
F13 H	Los Angeles Police Department Hollenbeck Station 2111 First Street Los Angeles	Service bays and one pump island with two fuel dispensers visible. A high potential for environmental impact exists based on the type of operation and visual observations.
F14 H	Fire Station 2 2124 First Street (approximately) Los Angeles	Abandoned fire station. The driveway is currently being used for parking. A high potential for environmental impact exists based on the type of operation.
F15 H	CD Transmission, Marlenes, Corbian Auto Sales 2239 First Street Los Angeles	Auto repair facilities. 55-gallon drums, hydraulic lifts and heavy surface staining visible. A high potential for environmental impact exists based on the type of operations and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
F16 H	Carros Usados Auto Sales and Repair 111 South Soto Street (Southwest corner of First and Soto Streets) Los Angeles	Sales and auto repair facility. Pump islands visible. The fuel dispensers are covered with cloth bags. Auto repair occurring on the site. According to site personnel, the site was a gas station and has not been operational for approximately 10 years. According to the site personnel, the USTs are scheduled for removal sometime this year. A high potential for environmental impact exists based on the type of operation and visual observations.
F17 H	The Fashion Cleaners 2501 First Street Los Angeles	Dry cleaning facility. A high potential for environmental impact exists based on the type of operation.
F18 H	M.Y. Service 2701 First Street Los Angeles	Auto repair facility. Site appears to be a former gasoline station. 55-gallon drums are visible. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.

Field Reconnaissance Survey
 First Street - With Metro Rail Yard Station/Alternative 6B (page 4 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
F19 M	Facility name: unknown 2940-2924 First Street (approximately) Los Angeles	Fenced lot with three parked diesel trucks. 55-gallon drums and surface staining are visible. A moderate potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
F20 M	Zacatecas Auto Sales 3424 First Street Los Angeles	Sales facility. 55-gallon drums and surface staining visible. An oil sheen also visible on the driveway. The rear of the property appears to be utilized as auto storage and residence. A moderate potential for environmental impact exists based on the size of operation.
F21 H	La Gloria 3454 First Street Los Angeles	Site appears to be currently utilized as vehicle storage. Site appears to be a former gas station. Surface staining visible. A high potential for environmental impact exists based on visual observations.
F22 H	Autos El Prieto 3464 First Street Los Angeles	Auto repair facility. Surface staining visible. A high potential for environmental impact exists based on the type of operation and visual observations.
11 L	City of Los Angeles, Department of Water and Power 123 Indiana Street Los Angeles	Use of structure is unknown. A low potential for environmental impact exists based on visual observations.
12 H	Martinez Auto Sales 3566 3rd Street (northwest corner of Indiana and 3rd Streets) Los Angeles	Sales and auto repair occurring on site. Minor surface staining observed. A moderate potential for environmental impact exists based on the type of operation and visual observations.
13 H	Vacant lot Southeast corner of Indiana and 3rd Streets Los Angeles	Fenced lot with no structures. Site appears to be under remediation. Two large covered soil piles observed. A high potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
14 H	Facility name: unknown 601 Indiana Street (approximately) Los Angeles	Site appears to be a former gasoline station. Surface staining observed. A high potential for environmental impact exists based on visual observations.
15 M	El Remate Auto Sales 720 Indiana Street (approximately) Los Angeles	Sales facility. A moderate potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
 First Street - With Metro Rail Yard Station/Alternative 6B (page 5 of 8)

ID. NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W32 H	Lantino Americana Mortuary 3827 Whittier Boulevard Los Angeles	Mortuary/funeral home. A high potential for environmental impact exists based on the type of operation.
W33 H	Foster Cleaners 3901 Whittier Boulevard Los Angeles	Dry cleaning facility. Appears dry cleaning is done on site. A high potential for environmental impact exists based on the type of operation.
W34 H	Aegis Rent a Car 3900-3910 Whittier Boulevard Los Angeles	Car rental facility. A potential for auto repair occurring on the site exists. A high potential for environmental impact exists based on visual observations.
W35 H	Aguilar Body Shop 3913 Whittier Boulevard Los Angeles	Auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
W36 H	A & F Auto Parts 3928 Whittier Boulevard Los Angeles	Engine rebuilding and auto repair facility. Surface staining observed. Hydrocarbon odor detected from Whittier Boulevard. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
W37 H	J & F Tire and Automotive Services and Mora's Quality Body Shop 3961 Whittier Boulevard Los Angeles	Two auto repair facilities located at this site. A high potential for environmental impact exists based on the type of operations.
W38 H	Arturo's Ironworks 3970 Whittier Boulevard (approximately) Los Angeles	Appears to be a vacant store front. A high potential for environmental impact exists based on the unknown type of operation.
W39 H	Salgado Automotive Rebuilders 3975 Whittier Boulevard Los Angeles	Auto repair facility. 55-gallon drums used to store car parts. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W40 H	Thrifty Gasoline Station 3990 Whittier Boulevard Los Angeles	Retail gasoline service station. See Site Q on the Regulatory List Search Results table. A high potential for environmental impact exists based on the type of operation.
W41 H	Whittier Tire Shop 4001 Whittier Boulevard Los Angeles	Tire repair facility. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
 First Street - With Metro Rail Yard Station/Alternative 6B (page 6 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W42 L	Roto-rooter Sewer Service Whittier Boulevard (no address visible) Los Angeles	Office and truck storage facility. A low potential for environmental impact exists based on visual observations.
W43 L	Facility name: unknown 4016 Whittier Boulevard (approximately) Los Angeles	Appears to be a junk yard. Located near the intersection of Gage Avenue. Various household appliances and building materials observed. A low potential for environmental impact exists based on visual observations.
W44 H	Arturo's Ironworks 4001B Whittier Boulevard Los Angeles	Ironworks facility with 55-gallon drums and paint cans observed. A high potential for environmental impact exists based on the type of operation.
W45 M	American Granite 4084 Whittier Boulevard Los Angeles	Head/tomb stone manufacturing. A moderate potential for environmental impact exists based on the type of operation.
W46 H	El Pedorrero 4101 Whittier Boulevard Los Angeles	Muffler repair facility. A high potential for environmental impact exists based on the type of operation.
W47 M	Linares Auto Sales 4118 Whittier Boulevard Los Angeles	Sales facility with possible auto repair area. A moderate potential for environmental impact exists based on the size of operation.
W48 H	Facility name: unknown 4131 Whittier Boulevard Los Angeles	Fenced lot with numerous parked vehicles. Various auto parts observed. A high potential for environmental impact exists based on visual observations and unknown usage.
W49 M	Superior Marble and Granite Works 4161 Whittier Boulevard Los Angeles	Head/tomb stone manufacturing. A moderate potential for environmental impact exists based on the type of operation.
W50 M	Legrand Wilbert Vaults 4169 Whittier Boulevard Los Angeles	Manufacturer of cement caskets. A moderate potential for environmental impact exists based on the type of operation.
W51 H	Tampa Auto Sales 4166½ and 4166 Whittier Boulevard Los Angeles	Sales facility. Sites appear to be a former gas station. A high potential for environmental impact exists based on visual observations.

Field Reconnaissance Survey
 First Street - With Metro Rail Yard Station/Alternative 6B (page 7 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W52 H	Legrand Wilbert Vaults 4200 Whittier Boulevard Los Angeles	Manufacturer of concrete vaults. In 1991, an UST was removed from the property. Property owner is waiting for closure from the Los Angeles City Fire Department. A high potential for environmental impact exists based on verbal communication.
W52a H	Clavary Cemetery 4201 Whittier Boulevard Los Angeles	Cemetery. A high potential for environmental impact exists based on the type of operation. See Site S on the Regulatory List Search Results table.
W52b H	Home of Peace Memorial Park Southwest Corner of Whittier Boulevard and Eastern Avenue Los Angeles	Cemetery. A high potential for environmental impact exists based on the type of operation.
W53 H	Shell Station 4411 Whittier Boulevard Los Angeles	Retail gasoline service station. A high potential for environmental impact exists based on the type of operation.
W54 H	The Car Depot 4424 Whittier Boulevard Los Angeles	Auto sales facility with a small repair area in the rear of the property. A high potential for environmental impact exists based on the type of operation and visual observations.
W55 H	Bud Hawkins Garage 4466 Whittier Boulevard Los Angeles	Auto repair facility. A high potential for environmental impact exists based on the type of operation.
W56 L	1 Hour Foto 4580 Whittier Boulevard Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
W57 H	Vic the Tailor/Cleaners 4617 Whittier Boulevard Los Angeles	Tailor and dry cleaning facility. A high potential for environmental impact exists based on the type of operation.
W58 L	Germar's Photo Studio 5112 Whittier Boulevard Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
W59 H	Lora's Tailor Shop and Cleaning 5120 Whittier Boulevard Los Angeles	Tailor and dry cleaning facility. Appears dry cleaning is performed on site. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
 First Street - With Metro Rail Yard Station/Alternative 6B (page 8 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W60 H	Alatore Market and A & J Auto 5127 Whittier Boulevard Los Angeles	Market and auto repair facility. The auto repair facility is located at the rear of the property. Surface staining observed. A high potential for environmental impact exists based on the type of the operations.
W61 M	Solutions 5143 Whittier Boulevard Los Angeles	Music store and market. Located in the rear of the property is a small fenced area which appears to be used as vehicle storage. Surface staining observed. A moderate potential for environmental impact exists based on the type of operations and visual observations.
W62 H	Vargas Auto Sales and Stereos, Cycle Center, and L.A. Auto Repair 5150 Whittier Boulevard (approximately) Los Angeles	Various auto related facilities. Surface staining observed. A high potential for environmental impact exists based on visual observations.
W63 L	1 Hour Photo/Cleaners 5211 Whittier Boulevard East Los Angeles	The site is a combination of a cleaner and photography store. No dry cleaning or photograph development occurs on site. A low potential for environmental impact exists based on verbal communication.
W64 H	Arco Service Station 5200 Whittier Boulevard Los Angeles	Retail gasoline service station. Service bays observed. A high potential for environmental impact exists based on the type of operation.

**Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
Segment 3/MOS-3**

**Field Reconnaissance Survey Results
Identification Numbers Consecutive From West to East**

Brooklyn Avenue - With Metro Rail Yard Station/Alternative 9A

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B1 H	Friedman Bag Company 801 Commercial Street Los Angeles	Warehouse type structure. See Site C on the Regulatory List Search Results table. A high potential for environmental impact exists based on the possible presence of an UST.
F1 H	Unocal Center Street Terminal Northwest Corner of Center Drive & Ducommun Street Los Angeles	Storage and fueling area for Unocal products. ASTs observed. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
F2 H	Viertels Auto Wrecking 500 Center Drive Los Angeles	Fenced wrecking yard. A high potential for environmental impact exists based on the type of operation.
F3 H	Manley Oil Company 410 Center Drive Los Angeles	Oil refining and distribution facility. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
S3 M	Wood Processing 815 Temple Street Los Angeles	Food processing facility. 55-gallon drums observed. A moderate potential for environmental impact exists based on visual observations.
S3a H	Metro Rail Yard Located Between First Street, Fourth Street, the Los Angeles River, and Santa Fe Avenue Los Angeles	Office, storage and maintenance facility for the Metro Rail. A high potential for environmental impact exists based on the type of operation.
M2 H	Facility name: unknown 338 Mission Road Los Angeles	Unknown type of operation. Warehouse type structure. 55-gallon drums observed. Blue colored staining observed along the railroad right-of-way. A high potential for environmental impact exists based on visual observations.
M3 H	Stay & Day Paint Materials Company 363 Mission Road Los Angeles	Appears to be a paint manufacturing plant. 55-gallon drums observed. A high potential for environmental impact exists based on the type of operation and visual observations.

Field Reconnaissance Survey
 Brooklyn Avenue - With Metro Rail Yard Station/Alternative 9A (page 2 of 7)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
AN2 M	Facility name: unknown 1440 Boyd Street Los Angeles	Parking lot. Open and closed 55-gallon drums observed in the parking lot. A moderate potential for environmental impact exists based on visual observations.
AN3 H	Facility name: unknown 323 South Clarence Street Los Angeles	Two structures appearing to be vacant. One structure has the appearance of a service garage. Diesel trucks are located in the parking lot. Pump island observed. A high potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
FB H	Rodriguez Transfer 1750 First Street (approximately) Los Angeles	Fenced lot with seven parked trucks. Seven 55-gallon drums visible. The drums are labeled "Soil Cuttings, Brown & Caldwell, Ontario Savings Site". A high potential for environmental impact exists based on visual observations.
B14 H	King Taco Southeast corner of Brooklyn Avenue and Soto Street Los Angeles	Restaurant. The site appears to be a conversion of a former gasoline service station. Two canopy areas with pump islands appear to be present. A high potential for environmental impact exists based visual observations.
B15 L	Martinez Photo 2411 Brooklyn Avenue Los Angeles	One hour photograph shop. A low potential for environmental impact exists based on the type of operation.
B16 H	Karina's Cleaners 2503 Brooklyn Avenue Los Angeles	Dry cleaning facility. A high potential for environmental impact exists based on the type of operation.
B17 H	Brooklyn Auto Service 2617 Brooklyn Avenue Los Angeles	Auto sales and repair facility. A high potential for environmental impact exists based on the type of operation and visual observations.
B18 L	Vazquez Photography 2628 Brooklyn Avenue Los Angeles	One hour photograph shop. Low potential for environmental impact based on the type of operation.
B19 H	Brooklyn Radiator Service and Machine Shop 2802 Brooklyn Avenue Los Angeles	Auto parts sales, machine shop and radiator service. Surface staining observed in the radiator repair area. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.

Field Reconnaissance Survey

Brooklyn Avenue - With Metro Rail Yard Station/Alternative 9A (page 3 of 7)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B20 H	Jack's Market Northeast corner of Brooklyn and Forest Avenues Los Angeles	Vacant lot with concrete pads and structures which appears to be in the configuration of a former gasoline station. A high potential for environmental impact exists based on the potential type of operation and visual observations.
B21 H	Pepes Garage 2840 Brooklyn Avenue Los Angeles	Auto repair facility in converted warehouse type building. A high potential for environmental impact exists based on the type of operation.
B22 H	Mas Auto Repair 2817 Brooklyn Avenue Los Angeles	Auto repair facility. Heavy surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
B23 H	RC Garage 2915 Brooklyn Avenue Los Angeles	Auto sales and repair facility. 55-gallon drums and surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
B24 H	Mobil Service Station 2925 Brooklyn Avenue Los Angeles	Retail gasoline service station. Two service bays. A high potential for environmental impact exists based on the type of operation.
B25 H	Brooklyn Tire Service 3025 Brooklyn Avenue Los Angeles	Tire sales facility. Appears to be located in a former gasoline service station. A high potential for environmental impact exists based on the potential type of operation.
B26 H	Beer Mug Helada 3091 Brooklyn Avenue Los Angeles	Retail liquor sales appearing to a former gasoline station or drive through dairy. A high potential for environmental impact exists based on the potential type of operation and visual observations.
B27 H	Harold's Body Shop 3251 Brooklyn Avenue Los Angeles	Auto body repair facility with two service bays. 55-gallon drums and surface staining noted. Possible vehicle maintenance operations. A high potential for environmental impact exists based on the type of operation.
I1 L	City of Los Angeles, Department of Water and Power 123 Indiana Street Los Angeles	Use of structure is unknown. A low potential for environmental impact exists based on visual observations.
I2 H	Martinez Auto Sales 3566 3rd Street (northwest corner of Indiana and 3rd Streets) Los Angeles	Sales and auto repair occurring on site. Minor surface staining observed. A moderate potential for environmental impact exists based on the type of operation and visual observations.

Field Reconnaissance Survey

Brooklyn Avenue - With Metro Rail Yard Station/Alternative 9A (page 4 of 7)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
13 H	Vacant lot Southeast corner of Indiana and 3rd Streets Los Angeles	Fenced lot with no structures. Site appears to be under remediation. Two large covered soil piles observed. A high potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
14 H	Facility name: unknown 601 Indiana Street (approximately) Los Angeles	Site appears to be a former gasoline station. Surface staining observed. A high potential for environmental impact exists based on visual observations.
15 M	El Remate Auto Sales 720 Indiana Street (approximately) Los Angeles	Sales facility. A moderate potential for environmental impact exists based on the type of operation.
W32 H	Lantino Americana Mortuary 3827 Whittier Boulevard Los Angeles	Mortuary/funeral home. A high potential for environmental impact exists based on the type of operation.
W33 H	Foster Cleaners 3901 Whittier Boulevard Los Angeles	Dry cleaning facility. Appears dry cleaning is done on site. A high potential for environmental impact exists based on the type of operation.
W34 H	Aegis Rent a Car 3900-3910 Whittier Boulevard Los Angeles	Car rental facility. A potential for auto repair occurring on the site exists. A high potential for environmental impact exists based on visual observations.
W35 H	Aguilar Body Shop 3913 Whittier Boulevard Los Angeles	Auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
W36 H	A & F Auto Parts 3928 Whittier Boulevard Los Angeles	Engine rebuilding and auto repair facility. Surface staining observed. Hydrocarbon odor detected from Whittier Boulevard. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
W37 H	J & F Tire and Automotive Services and Mora's Quality Body Shop 3961 Whittier Boulevard Los Angeles	Two auto repair facilities located at this site. A high potential for environmental impact exists based on the type of operations.
W38 H	Arturo's Ironworks 3970 Whittier Boulevard (approximately) Los Angeles	Appears to be a vacant store front. A high potential for environmental impact exists based on the unknown type of operation.

Field Reconnaissance Survey

Brooklyn Avenue - With Metro Rail Yard Station/Alternative 9A (page 5 of 7)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W39 H	Salgado Automotive Rebuilders 3975 Whittier Boulevard Los Angeles	Auto repair facility. 55-gallon drums used to store car parts. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W40 H	Thrifty Gasoline Station 3990 Whittier Boulevard Los Angeles	Retail gasoline service station. See Site Q on the Regulatory List Search Results table. A high potential for environmental impact exists based on the type of operation.
W41 H	Whittier Tire Shop 4001 Whittier Boulevard Los Angeles	Tire repair facility. A high potential for environmental impact exists based on the type of operation.
W42 L	Roto-rotoer Sewer Service Whittier Boulevard (no address visible) Los Angeles	Office and truck storage facility. A low potential for environmental impact exists based on visual observations.
W43 L	Facility name: unknown 4016 Whittier Boulevard (approximately) Los Angeles	Appears to be a junk yard. Located near the intersection of Gage Avenue. Various household appliances and building materials observed. A low potential for environmental impact exists based on visual observations.
W44 H	Arturo's Ironworks 4001B Whittier Boulevard Los Angeles	Ironworks facility with 55-gallon drums and paint cans observed. A high potential for environmental impact exists based on the type of operation.
W45 M	American Granite 4084 Whittier Boulevard Los Angeles	Head/tomb stone manufacturing. A moderate potential for environmental impact exists based on the type of operation.
W46 H	El Pedorrero 4101 Whittier Boulevard Los Angeles	Muffler repair facility. A high potential for environmental impact exists based on the type of operation.
W47 M	Linares Auto Sales 4118 Whittier Boulevard Los Angeles	Sales facility with possible auto repair area. A moderate potential for environmental impact exists based on the size of operation.
W48 H	Facility name: unknown 4131 Whittier Boulevard Los Angeles	Fenced lot with numerous parked vehicles. Various auto parts observed. A high potential for environmental impact exists based on visual observations and unknown usage.

Field Reconnaissance Survey

Brooklyn Avenue - With Metro Rail Yard Station/Alternative 9A (page 6 of 7)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W49 M	Superior Marble and Granite Works 4161 Whittier Boulevard Los Angeles	Head/tomb stone manufacturing. A moderate potential for environmental impact exists based on the type of operation.
W50 M	Legrand Wilbert Vaults 4169 Whittier Boulevard Los Angeles	Manufacturer of cement caskets. A moderate potential for environmental impact exists based on the type of operation.
W51 H	Tampa Auto Sales 4166½ and 4166 Whittier Boulevard Los Angeles	Sales facility. Sites appear to be a former gas station. A high potential for environmental impact exists based on visual observations.
W52 H	Legrand Wilbert Vaults 4200 Whittier Boulevard Los Angeles	Manufacturer of concrete vaults. In 1991, an UST was removed from the property. Property owner is waiting for closure from the Los Angeles City Fire Department. A high potential for environmental impact exists based on verbal communication.
W52a H	Calvary Cemetery 4201 Whittier Boulevard Los Angeles	Cemetery. A high potential for environmental impact exists based on the type of operation. See Site S on the Regulatory List Search Results table.
W52b H	Home of Peace Memorial Park Southwest Corner of Whittier Boulevard and Eastern Avenue Los Angeles	Cemetery. A high potential for environmental impact exists base on the type of operation.
W53 H	Shell Station 4411 Whittier Boulevard Los Angeles	Retail gasoline service station. A high potential for environmental impact exists based on the type of operation.
W54 H	The Car Depot 4424 Whittier Boulevard Los Angeles	Auto sales facility with a small repair area in the rear of the property. A high potential for environmental impact exists based on the type of operation and visual observations.
W55 H	Bud Hawkins Garage 4466 Whittier Boulevard Los Angeles	Auto repair facility. A high potential for environmental impact exists based on the type of operation.
W56 L	1 Hour Foto 4580 Whittier Boulevard Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey

Brooklyn Avenue - With Metro Rail Yard Station/Alternative 9A (page 7 of 7)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W57 H	Vic the Tailor/Cleaners 4617 Whittier Boulevard Los Angeles	Tailor and dry cleaning facility. A high potential for environmental impact exists based on the type of operation.
W58 L	Germer's Photo Studio 5112 Whittier Boulevard Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
W59 H	Lora's Tailor Shop and Cleaning 5120 Whittier Boulevard Los Angeles	Tailor and dry cleaning facility. Appears dry cleaning is performed on site. A high potential for environmental impact exists based on the type of operation.
W60 H	Alatore Market and A & J Auto 5127 Whittier Boulevard Los Angeles	Market and auto repair facility. The auto repair facility is located at the rear of the property. Surface staining observed. A high potential for environmental impact exists based on the type of the operations.
W61 M	Solutions 5143 Whittier Boulevard Los Angeles	Music store and market. Located in the rear of the property is a small fenced area which appears to be used as vehicle storage. Surface staining observed. A moderate potential for environmental impact exists based on the type of operations and visual observations.
W62 H	Vargas Auto Sales and Stereos, Cycle Center, and L.A. Auto Repair 5150 Whittier Boulevard (approximately) Los Angeles	Various auto related facilities. Surface staining observed. A high potential for environmental impact exists based on visual observations.
W63 L	1 Hour Photo/Cleaners 5211 Whittier Boulevard East Los Angeles	The site is a combination of a cleaner and photography store. No dry cleaning or photograph development occurs on site. A low potential for environmental impact exists based on verbal communication.
W64 H	Arco Service Station 5200 Whittier Boulevard Los Angeles	Retail gasoline service station. Service bays observed. A high potential for environmental impact exists based on the type of operation.

**Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
Segment 3/MOS-3**

**Field Reconnaissance Survey Results
Identification Numbers Consecutive From West to East**

Brooklyn Avenue - With Metro Rail Yard Station/Alternative 9B

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B1 H	Friedman Bag Company 801 Commercial Street Los Angeles	Warehouse type structure. See Site C on the Regulatory List Search Results table. A high potential for environmental impact exists based on the possible presence of an UST.
F1 H	Unocal Center Street Terminal Northwest Corner of Center Drive & Ducommun Street Los Angeles	Storage and fueling area for Unocal products. ASTs observed. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
F2 H	Viertels Auto Wrecking 500 Center Drive Los Angeles	Fenced wrecking yard. A high potential for environmental impact exists based on the type of operation.
F3 H	Manley Oil Company 410 Center Drive Los Angeles	Oil refining and distribution facility. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
S1 M	Fishking 411 Center Drive Los Angeles	Type of operation is unknown. Two large ASTs observed. A moderate potential for environmental impact exists based on visual observations.
S2 H	Yuki Import Center 749 Center Drive Los Angeles	Auto repair facility. A moderate potential for environmental impact exists based on the type of operation.
S3 M	Wood Processing 815 Temple Street Los Angeles	Food processing facility. 55-gallon drums observed. A moderate potential for environmental impact exists based on visual observations.
S3a H	Metro Rail Yard Located Between First Street, Fourth Street, the Los Angeles River, and Santa Fe Avenue Los Angeles	Office, storage and maintenance facility for the Metro Rail. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey

Brooklyn Avenue - With Metro Rail Yard Station/Alternative 9B (page 2 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
S4 H	Oil Pump Northeast of Palmetto Street and Santa Fe Avenue Los Angeles	Oil pump and three ASTs observed. A high potential for environmental impact exists based on the type of operation.
S5 H	Facility name: unknown Adjacent to the Southwest Corner of Palmetto Street & Santa Fe Avenue Los Angeles	Appears to be a storage yard. Trucks, ASTs, and 55-gallon drums observed. A high potential for environmental impact exists based on visual observations.
S6 H	Sun Chemical, General Printing Ink Division 590 South Santa Fe Avenue Los Angeles	Chemical manufacturing facility. Numerous 55-gallon drums observed. The site is listed as the BASF Inmont Facility on the LUST. See Site M on the Regulatory List Search Results by Alternative Alignments. A high potential for environmental impact exists based on the regulatory agency findings. See Appendix A, Field Reconnaissance Survey Photographs.
M4 H	Mission Services, Inc. 500-525 Mission Street (approximately - between 4th Street and 6th Street) Los Angeles	Storage and maintenance facilities for beverage trucks. Pump islands and fuel dispensers observed. A high potential for environmental impact exists based on visual observations.
AN2 H	Facility name: unknown 1440 Boyd Street Los Angeles	Parking lot. Open and closed 55-gallon drums observed in the parking lot. A moderate potential for environmental impact exists based on visual observations.
AN3 H	Facility name: unknown 323 South Clarence Street Los Angeles	Two structures appearing to be vacant. One structure has the appearance of a service garage. Diesel trucks are located in the parking lot. Pump island observed. A high potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
F8 H	Rodriguez Transfer 1750 First Street (approximately) Los Angeles	Fenced lot with seven parked trucks. Seven 55-gallon drums visible. The drums are labeled "Soil Cuttings, Brown & Caldwell, Ontario Savings Site". A high potential for environmental impact exists based on visual observations.
F9 H	Shell Service Station 1750 First Street Los Angeles	Retail gasoline station. Pump islands are present but the fuel dispensers have been removed. A large excavation is present. Auto repair appears to be occurring in the service bays. One 55-gallon paper barrel covered with oil is visible. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.

Field Reconnaissance Survey

Brooklyn Avenue - With Metro Rail Yard Station/Alternative 9B (page 3 of 8)

ID. NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B14 H	King Taco Southeast corner of Brooklyn Avenue and Soto Street Los Angeles	Restaurant. The site appears to be a conversion of a former gasoline service station. Two canopy areas with pump islands appear to be present. A high potential for environmental impact exists based visual observations.
B15 L	Martinez Photo 2411 Brooklyn Avenue Los Angeles	One hour photograph shop. A low potential for environmental impact exists based on the type of operation.
B16 H	Karina's Cleaners 2503 Brooklyn Avenue Los Angeles	Dry cleaning facility. A high potential for environmental impact exists based on the type of operation.
B17 H	Brooklyn Auto Service 2617 Brooklyn Avenue Los Angeles	Auto sales and repair facility. A high potential for environmental impact exists based on the type of operation and visual observations.
B18 L	Vazquez Photography 2628 Brooklyn Avenue Los Angeles	One hour photograph shop. Low potential for environmental impact based on the type of operation.
B19 H	Brooklyn Radiator Service and Machine Shop 2802 Brooklyn Avenue Los Angeles	Auto parts sales, machine shop and radiator service. Surface staining observed in the radiator repair area. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
B20 H	Jack's Market Northeast corner of Brooklyn and Forest Avenues Los Angeles	Vacant lot with concrete pads and structures which appears to be in the configuration of a former gasoline station. A high potential for environmental impact exists based on the potential type of operation and visual observations.
B21 H	Pepes Garage 2840 Brooklyn Avenue Los Angeles	Auto repair facility in converted warehouse type building. A high potential for environmental impact exists based on the type of operation.
B22 H	Mas Auto Repair 2817 Brooklyn Avenue Los Angeles	Auto repair facility. Heavy surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
B23 H	RC Garage 2915 Brooklyn Avenue Los Angeles	Auto sales and repair facility. 55-gallon drums and surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.

Field Reconnaissance Survey
 Brooklyn Avenue - With Metro Rail Yard Station/Alternative 9B (page 4 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B24 H	Mobil Service Station 2925 Brooklyn Avenue Los Angeles	Retail gasoline service station. Two service bays. A high potential for environmental impact exists based on the type of operation.
B25 H	Brooklyn Tire Service 3025 Brooklyn Avenue Los Angeles	Tire sales facility. Appears to be located in a former gasoline service station. A high potential for environmental impact exists based on the potential type of operation.
B26 H	Beer Mug Helada 3091 Brooklyn Avenue Los Angeles	Retail liquor sales appearing to a former gasoline station or drive through dairy. A high potential for environmental impact exists based on the potential type of operation and visual observations.
B27 H	Harold's Body Shop 3251 Brooklyn Avenue Los Angeles	Auto body repair facility with two service bays. 55-gallon drums and surface staining noted. Possible vehicle maintenance operations. A high potential for environmental impact exists based on the type of operation.
11 L	City of Los Angeles, Department of Water and Power 123 Indiana Street Los Angeles	Use of structure is unknown. A low potential for environmental impact exists based on visual observations.
12 H	Martinez Auto Sales 3566 3rd Street (northwest corner of Indiana and 3rd Streets) Los Angeles	Sales and auto repair occurring on site. Minor surface staining observed. A moderate potential for environmental impact exists based on the type of operation and visual observations.
13 H	Vacant lot Southeast corner of Indiana and 3rd Streets Los Angeles	Fenced lot with no structures. Site appears to be under remediation. Two large covered soil piles observed. A high potential for environmental impact exists based on visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
14 H	Facility name: unknown 601 Indiana Street (approximately) Los Angeles	Site appears to be a former gasoline station. Surface staining observed. A high potential for environmental impact exists based on visual observations.
15 M	El Remate Auto Sales 720 Indiana Street (approximately) Los Angeles	Sales facility. A moderate potential for environmental impact exists based on the type of operation.
W32 H	Lantino Americana Mortuary 3827 Whittier Boulevard Los Angeles	Mortuary/funeral home. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey

Brooklyn Avenue - With Metro Rail Yard Station/Alternative 9B (page 5 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W33 H	Foster Cleaners 3901 Whittier Boulevard Los Angeles	Dry cleaning facility. Appears dry cleaning is done on site. A high potential for environmental impact exists based on the type of operation.
W34 H	Aegis Rent a Car 3900-3910 Whittier Boulevard Los Angeles	Car rental facility. A potential for auto repair occurring on the site exists. A high potential for environmental impact exists based on visual observations.
W35 H	Aguilar Body Shop 3913 Whittier Boulevard Los Angeles	Auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
W36 H	A & F Auto Parts 3928 Whittier Boulevard Los Angeles	Engine rebuilding and auto repair facility. Surface staining observed. Hydrocarbon odor detected from Whittier Boulevard. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
W37 H	J & F Tire and Automotive Services and Mora's Quality Body Shop 3961 Whittier Boulevard Los Angeles	Two auto repair facilities located at this site. A high potential for environmental impact exists based on the type of operations.
W38 H	Arturo's Ironworks 3970 Whittier Boulevard (approximately) Los Angeles	Appears to be a vacant store front. A high potential for environmental impact exists based on the unknown type of operation.
W39 H	Salgado Automotive Rebuilders 3975 Whittier Boulevard Los Angeles	Auto repair facility. 55-gallon drums used to store car parts. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W40 H	Thrifty Gasoline Station 3990 Whittier Boulevard Los Angeles	Retail gasoline service station. See Site Q on the Regulatory List Search Results table. A high potential for environmental impact exists based on the type of operation.
W41 H	Whittier Tire Shop 4001 Whittier Boulevard Los Angeles	Tire repair facility. A high potential for environmental impact exists based on the type of operation.
W42 L	Roto-roooter Sewer Service Whittier Boulevard (no address visible) Los Angeles	Office and truck storage facility. A low potential for environmental impact exists based on visual observations.

Field Reconnaissance Survey
 Brooklyn Avenue - With Metro Rail Yard Station/Alternative 9B (page 6 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W43 L	Facility name: unknown 4016 Whittier Boulevard (approximately) Los Angeles	Appears to be a junk yard. Located near the intersection of Gage Avenue. Various household appliances and building materials observed. A low potential for environmental impact exists based on visual observations.
W44 H	Arturo's Ironworks 4001B Whittier Boulevard Los Angeles	Ironworks facility with 55-gallon drums and paint cans observed. A high potential for environmental impact exists based on the type of operation.
W45 M	American Granite 4084 Whittier Boulevard Los Angeles	Head/tomb stone manufacturing. A moderate potential for environmental impact exists based on the type of operation.
W46 H	El Pedorrero 4101 Whittier Boulevard Los Angeles	Muffler repair facility. A high potential for environmental impact exists based on the type of operation.
W47 M	Linares Auto Sales 4118 Whittier Boulevard Los Angeles	Sales facility with possible auto repair area. A moderate potential for environmental impact exists based on the size of operation.
W48 H	Facility name: unknown 4131 Whittier Boulevard Los Angeles	Fenced lot with numerous parked vehicles. Various auto parts observed. A high potential for environmental impact exists based on visual observations and unknown usage.
W49 M	Superior Marble and Granite Works 4161 Whittier Boulevard Los Angeles	Head/tomb stone manufacturing. A moderate potential for environmental impact exists based on the type of operation.
W50 M	Legrand Wilbert Vaults 4169 Whittier Boulevard Los Angeles	Manufacturer of cement caskets. A moderate potential for environmental impact exists based on the type of operation.
W51 H	Tampa Auto Sales 4166½ and 4166 Whittier Boulevard Los Angeles	Sales facility. Sites appear to be a former gas station. A high potential for environmental impact exists based on visual observations.
W52 H	Legrand Wilbert Vaults 4200 Whittier Boulevard Los Angeles	Manufacturer of concrete vaults. In 1991, an UST was removed from the property. Property owner is waiting for closure from the Los Angeles City Fire Department. A high potential for environmental impact exists based on verbal communication.

Field Reconnaissance Survey
 Brooklyn Avenue - With Metro Rail Yard Station/Alternative 9B (page 7 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W53 H	Shell Station 4411 Whittier Boulevard Los Angeles	Retail gasoline service station. A high potential for environmental impact exists based on the type of operation.
W54 H	The Car Depot 4424 Whittier Boulevard Los Angeles	Auto sales facility with a small repair area in the rear of the property. A high potential for environmental impact exists based on the type of operation and visual observations.
W55 H	Bud Hawkins Garage 4466 Whittier Boulevard Los Angeles	Auto repair facility. A high potential for environmental impact exists based on the type of operation.
W56 L	1 Hour Foto 4580 Whittier Boulevard Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
W57 H	Vic the Tailor/Cleaners 4617 Whittier Boulevard Los Angeles	Tailor and dry cleaning facility. A high potential for environmental impact exists based on the type of operation.
W58 L	Germar's Photo Studio 5112 Whittier Boulevard Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
W59 H	Lora's Tailor Shop and Cleaning 5120 Whittier Boulevard Los Angeles	Tailor and dry cleaning facility. Appears dry cleaning is performed on site. A high potential for environmental impact exists based on the type of operation.
W60 H	Alatore Market and A & J Auto 5127 Whittier Boulevard Los Angeles	Market and auto repair facility. The auto repair facility is located at the rear of the property. Surface staining observed. A high potential for environmental impact exists based on the type of the operations.
W61 M	Solutions 5143 Whittier Boulevard Los Angeles	Music store and market. Located in the rear of the property is a small fenced area which appears to be used as vehicle storage. Surface staining observed. A moderate potential for environmental impact exists based on the type of operations and visual observations.
W62 H	Vargas Auto Sales and Stereos, Cycle Center, and L.A. Auto Repair 5150 Whittier Boulevard (approximately) Los Angeles	Various auto related facilities. Surface staining observed. A high potential for environmental impact exists based on visual observations.

Field Reconnaissance Survey

Brooklyn Avenue - With Metro Rail Yard Station/Alternative 9B (page 8 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W63 L	1 Hour Photo/Cleaners 5211 Whittier Boulevard East Los Angeles	The site is a combination of a cleaner and photography store. No dry cleaning or photograph development occurs on site. A low potential for environmental impact exists based on verbal communication.
W64 H	Arco Service Station 5200 Whittier Boulevard Los Angeles	Retail gasoline service station. Service bays observed. A high potential for environmental impact exists based on the type of operation.

**Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
Segment 3/MOS-3**

**Field Reconnaissance Survey Results
Identification Numbers Consecutive From West to East**

Whittier Boulevard - With Metro Rail Yard/Alternative 8A

ID. NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B1 H	Friedman Bag Company 801 Commercial Street Los Angeles	Warehouse type structure. See Site C on the Regulatory List Search Results table. A high potential for environmental impact exists based on the possible presence of an UST.
F1 H	Unocal Center Street Terminal Northwest Corner of Center Drive & Ducommun Street Los Angeles	Storage and fueling area for Unocal products. ASTs observed. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Phototgraphs.
F2 H	Viertels Auto Wrecking 500 Center Drive Los Angeles	Fenced wrecking yard. A high potential for environmental impact exists based on the type of operation.
F3 H	Manley Oil Company 410 Center Drive Los Angeles	Oil refining and distribution facility. A high potential for environmental impact exists based on the type of operation. See appendix A, Field Reconnaissance Survey Photographs.
S3 M	Wood Processing 815 Temple Street Los Angeles	Food processing facility. 55-gallon drums observed. A moderate potential for environmental impact exists based on visual observations.
S3a H	Metro Rail Yard Located Between First Street, Fourth Street, the Los Angeles River, and Santa Fe Avenue Los Angeles	Office, storage and maintenance facility for the Metro Rail. A high potential for environmental impact exists based on the type of operation.
S4 H	Oil Pump Northeast of Palmetto Street and Santa Fe Avenue Los Angeles	Oil pump and three ASTs observed. A high potential for environmental impact exists based on the type of operation.
S6 H	Sun Chemical, General Printing Ink Division 590 South Santa Fe Avenue Los Angeles	Chemical manufacturing facility. Numerous 55-gallon drums observed. The site is listed as the BASF Inmont Facility on the LUST. See Site M on the Regulatory List Search Results by Alternative Alignments. A high potential for environmental impact exists based on the regulatory agency findings. See Appendix A, Field Reconnaissance Survey Photographs.

Field Reconnaissance Survey
 Whittier Boulevard - With Metro Rail Yard/Alternative 8A (page 2 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
M4 H	Mission Services, Inc. 500-525 Mission Street (approximately - between 4th Street and 6th Street) Los Angeles	Storage and maintenance facilities for beverage trucks. Pump islands and fuel dispensers observed. A high potential for environmental impact exists based on visual observations.
M5 H	Saffola Quality Foods Receiving Dock 633 Mission Road Los Angeles	Numerous 55-gallon drums stored on site. Drums are stacked 3 high on wooden pallets over soil.
W1 H	Holiday Motors 2201 Whittier Boulevard Los Angeles	Site appears to be utilized for vehicle storage. Site appears to be a former gasoline station. A high potential for environmental impact exists based on the type of operation and visual observations.
W2 H	Holiday Motors 2222 Whittier Boulevard Los Angeles	Auto repair facility. Fuel dispenser observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W3 M	Abels Auto Parts Machine Shop 2231 Whittier Boulevard Los Angeles	Appears to be commercial business. A moderate potential for environmental impact exists based on visual observations.
W4 H	Facility name: unknown 2242 Whittier Boulevard Los Angeles	Appears to be an auto repair facility. A high potential for environmental impact exists based on the type of operation.
W5 H	Issac Auto Sales and Service 2231 Whittier Boulevard Los Angeles	Sales and auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W6 H	Mobil Station 2290 Whittier Boulevard (approximately) Los Angeles	Retail gasoline service station. UST cluster located along Whittier Boulevard. See Site N on the Regulatory List Search Results table. A high potential for environmental impact exists based on the type of operation.
W7 H	Munoz Auto and Tires 2451 Whittier Boulevard Los Angeles	Auto repair facility. A high potential for environmental impact exists based on the type of operation.
W8 M	Los Angeles City Department of Parks & Recreation 2500 Whittier Boulevard Los Angeles	Appears to be a storage area. 55-gallon drums and storage sheds observed. A moderate potential for environmental impact exists based on visual observations.

Field Reconnaissance Survey

Whittier Boulevard - With Metro Rail Yard/Alternative 8A (page 3 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W9 H	Llantera Garcia Tire and Auto Repair 2523 Whittier Boulevard Los Angeles	Auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W10 H	JV's Auto Repair and Upholstery 2600 Whittier Boulevard. Los Angeles	Auto repair facility. Service bays observed. A high potential for environmental impact exists based on the type of operation.
W11 H	Bicol Motors and Body Shop 2617 Whittier Boulevard Los Angeles	Auto repair facility. A high potential for environmental impact exists based on the type of operation.
W12 H	Quinteros and Sons Tires 2726 Whittier Boulevard Los Angeles	Auto repair and tire facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
W13 M	Vacant lot 2755 Whittier Boulevard Los Angeles	Fenced vacant lot. Two vehicles parked on the lot. 55-gallon drums observed. Appears the property is being used as a storage area. A moderate potential for environmental impact exists based on visual observations.
W14 H	H.I.S Auto Center 2762 Whittier Boulevard Los Angeles	Auto repair facility. Pump island and fuel dispensers observed. A high potential for environmental impact exists based on visual observations.
W15 H	Angeles Auto Supplies 2770 Whittier Boulevard Los Angeles	Site appears to be a vacant auto repair facility. 55-gallon drums observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W16 H	Ixtlan Baterias 2829 Whittier Boulevard Los Angeles	Facility rebuilds batteries. Auto repair, surface staining and batteries observed. Acid stored on site. A high potential for environmental impact exists based the type of operation and visual observations.
W17 M	Facility name: unknown 2839 and 2843 Whittier Boulevard Los Angeles	According to the signs, both facilities sell plastic containers. A moderate potential for environmental impact exists based on the type of operations.
W18 H	Los Angeles City Fire Station #25 2927 Whittier Boulevard Los Angeles	UST related equipment (fill caps) observed. A high potential for environmental impact exists based on visual observations.

Field Reconnaissance Survey

Whittier Boulevard - With Metro Rail Yard/Alternative 8A (page 4 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W19 H	Sloans Cleaners and Laundry 2924 Whittier Boulevard Los Angeles	Dry cleaning facility. A high potential for environmental impact exists based on the type of operation.
W20 L	La Barca Tortilleria 3047 Whittier Boulevard Los Angeles	Bakery. Large AST observed. A low potential for environmental impact exists based on the type of operation and visual observations.
W21 M	Facility name: unknown No address: first property after the 60 Freeway Los Angeles	Appears to be a second hand salvage yard. A moderate potential for environmental impact exists based on visual observations.
W22 H	Arco Gas Station Northeast corner of Lorena and Whittier Los Angeles	Retail gasoline service station. A high potential for environmental impact exists based on the type of operation.
W23 L	Toltec Carwash 3443 Whittier Boulevard Los Angeles	Car wash facility. A low potential for environmental impact exists based on the type of operation and visual observations.
W24 L	Foto Estudio Zapata 3500 Whittier Boulevard Los Angeles	Photography studio. A low potential for environmental impact exists based on the type of operation and visual observations.
W25 H	Refuse Removal Facility 3523-3551 Whittier Boulevard Los Angeles	Truck and dumpster storage. Surface staining and hazardous materials observed. A high potential for environmental impact exists based on visual observations.
W26 H	Amro Industries 3551 Whittier Boulevard Los Angeles	Site appears not in operation. A high potential for environmental impact exists based on the unknown type of operation.
W27 H	CMD Refuse Removal 3534 Whittier Boulevard Los Angeles	Storage and parking area for refuse trucks. Pump island and surface staining observed. A high potential for environmental impact exists based on visual observations.
W28 H	Gamez Auto Center 3561 Whittier Boulevard Los Angeles	Auto repair facility. 55-gallon drums and surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.

Field Reconnaissance Survey
Whittier Boulevard - With Metro Rail Yard/Alternative 8A (page 5 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W29 M	Jaugues Auto Sales 3560 Whittier Boulevard Los Angeles	Sales facility. A moderate potential for environmental impact exists based on the type of operation.
W29a H	Odd Fellows Cemetery Southeast Corner of Whittier Boulevard and Esperanza Street Los Angeles	Cemetery. A high potential for environmental impact exists based on the type of operation.
W30 M	A & B Ornamental 3710 Whittier Boulevard (approximately) Los Angeles	Ornamental iron works. Facility does not front Whittier Boulevard. No operations observable. A moderate potential for environmental impact exists based on location.
W31 H	J & A General Auto Repair and Engine Overhaul 3715 Whittier Boulevard Los Angeles	Auto repair facility. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
W32a M	Juarez Manufacturing 3728 Whittier Boulevard Los Angeles	Wood work facility. A moderate potential for environmental impact exists based on the type of operation.
W32 H	Lantino Americana Mortuary 3827 Whittier Boulevard Los Angeles	Mortuary/funeral home. A high potential for environmental impact exists based on the type of operation.
W33 H	Foster Cleaners 3901 Whittier Boulevard Los Angeles	Dry cleaning facility. Appears dry cleaning is done on site. A high potential for environmental impact exists based on the type of operation.
W34 H	Aegis Rent a Car 3900-3910 Whittier Boulevard Los Angeles	Car rental facility. A potential for auto repair occurring on the site exists. A high potential for environmental impact exists based on visual observations.
W35 H	Aguilar Body Shop 3913 Whittier Boulevard Los Angeles	Auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
W36 H	A & F Auto Parts 3928 Whittier Boulevard Los Angeles	Engine rebuilding and auto repair facility. Surface staining observed. Hydrocarbon odor detected from Whittier Boulevard. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.

Field Reconnaissance Survey
Whittier Boulevard - With Metro Rail Yard/Alternative 8A (page 6 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W37 H	J & F Tire and Automotive Services and Mora's Quality Body Shop 3961 Whittier Boulevard Los Angeles	Two auto repair facilities located at this site. A high potential for environmental impact exists based on the type of operations.
W38 H	Arturo's Ironworks 3970 Whittier Boulevard (approximately) Los Angeles	Appears to be a vacant store front. A high potential for environmental impact exists based on the unknown type of operation.
W39 H	Salgado Automotive Rebuilders 3975 Whittier Boulevard Los Angeles	Auto repair facility. 55-gallon drums used to store car parts. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W40 H	Thrifty Gasoline Station 3990 Whittier Boulevard Los Angeles	Retail gasoline service station. See Site Q on the Regulatory List Search Results table. A high potential for environmental impact exists based on the type of operation.
W41 H	Whittier Tire Shop 4001 Whittier Boulevard Los Angeles	Tire repair facility. A high potential for environmental impact exists based on the type of operation.
W42 L	Roto-roooter Sewer Service Whittier Boulevard (no address visible) Los Angeles	Office and truck storage facility. A low potential for environmental impact exists based on visual observations.
W43 L	Facility name: unknown 4016 Whittier Boulevard (approximately) Los Angeles	Appears to be a junk yard. Located near the intersection of Gage Avenue. Various household appliances and building materials observed. A low potential for environmental impact exists based on visual observations.
W44 H	Arturo's Ironworks 4001B Whittier Boulevard Los Angeles	Ironworks facility with 55-gallon drums and paint cans observed. A high potential for environmental impact exists based on the type of operation.
W45 M	American Granite 4084 Whittier Boulevard Los Angeles	Head/tomb stone manufacturing. A moderate potential for environmental impact exists based on the type of operation.
W46 H	El Pedorrero 4101 Whittier Boulevard Los Angeles	Muffler repair facility. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey

Whittier Boulevard - With Metro Rail Yard/Alternative 8A (page 7 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W47 M	Linares Auto Sales 4118 Whittier Boulevard Los Angeles	Sales facility with possible auto repair area. A moderate potential for environmental impact exists based on the size of operation.
W48 H	Facility name: unknown 4131 Whittier Boulevard Los Angeles	Fenced lot with numerous parked vehicles. Various auto parts observed. A high potential for environmental impact exists based on visual observations and unknown usage.
W49 M	Superior Marble and Granite Works 4161 Whittier Boulevard Los Angeles	Head/tomb stone manufacturing. A moderate potential for environmental impact exists based on the type of operation.
W50 M	Legrand Wilbert Vaults 4169 Whittier Boulevard Los Angeles	Manufacturer of cement caskets. A moderate potential for environmental impact exists based on the type of operation.
W51 H	Tampa Auto Sales 4166½ and 4166 Whittier Boulevard Los Angeles	Sales facility. Sites appear to be a former gas station. A high potential for environmental impact exists based on visual observations.
W52 H	Legrand Wilbert Vaults 4200 Whittier Boulevard Los Angeles	Manufacturer of concrete vaults. In 1991, an UST was removed from the property. Property owner is waiting for closure from the Los Angeles City Fire Department. A high potential for environmental impact exists based on verbal communication.
W52a H	Calvary Cemetery 4201 Whittier Boulevard Los Angeles	Cemetery. A high potential for environmental impact exists based on the type of operation. See Site S on the Regulatory List Search Results table.
W52b H	Home of Peace Memorial Park Southwest Corner of Whittier Boulevard and Eastern Avenue Los Angeles	Cemetery. A high potential for environmental impact exists based on the type of operation.
W53 H	Shell Station 4411 Whittier Boulevard Los Angeles	Retail gasoline service station. A high potential for environmental impact exists based on the type of operation.
W54 H	The Car Depot 4424 Whittier Boulevard Los Angeles	Auto sales facility with a small repair area in the rear of the property. A high potential for environmental impact exists based on the type of operation and visual observations.

Field Reconnaissance Survey

Whittier Boulevard - With Metro Rail Yard/Alternative 8A (page 8 of 8)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W55 H	Bud Hawkins Garage 4466 Whittier Boulevard Los Angeles	Auto repair facility. A high potential for environmental impact exists based on the type of operation.
W56 L	1 Hour Foto 4580 Whittier Boulevard Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
W57 H	Vic the Tailor/Cleaners 4617 Whittier Boulevard Los Angeles	Tailor and dry cleaning facility. A high potential for environmental impact exists based on the type of operation.
W58 L	Germar's Photo Studio 5112 Whittier Boulevard Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
W59 H	Lora's Tailor Shop and Cleaning 5120 Whittier Boulevard Los Angeles	Tailor and dry cleaning facility. Appears dry cleaning is performed on site. A high potential for environmental impact exists based on the type of operation.
W60 H	Alatore Market and A & J Auto 5127 Whittier Boulevard Los Angeles	Market and auto repair facility. The auto repair facility is located at the rear of the property. Surface staining observed. A high potential for environmental impact exists based on the type of the operations.
W61 M	Solutions 5143 Whittier Boulevard Los Angeles	Music store and market. Located in the rear of the property is a small fenced area which appears to be used as vehicle storage. Surface staining observed. A moderate potential for environmental impact exists based on the type of operations and visual observations.
W62 H	Vargas Auto Sales and Stereos, Cycle Center, and L.A. Auto Repair 5150 Whittier Boulevard (approximately) Los Angeles	Various auto related facilities. Surface staining observed. A high potential for environmental impact exists based on visual observations.
W63 L	1 Hour Photo/Cleaners 5211 Whittier Boulevard East Los Angeles	The site is a combination of a cleaner and photography store. No dry cleaning or photograph development occurs on site. A low potential for environmental impact exists based on verbal communication.
W64 H	Arco Service Station 5200 Whittier Boulevard Los Angeles	Retail gasoline service station. Service bays observed. A high potential for environmental impact exists based on the type of operation.

**Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
Segment 3/MOS-3**

**Field Reconnaissance Survey Results
Identification Numbers Consecutive From West to East**

Whittier Boulevard - With Metro Rail Yard/Alternative 8B

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
B1 H	Friedman Bag Company 801 Commercial Street Los Angeles	Warehouse type structure. See Site C on the Regulatory List Search Results table. A high potential for environmental impact exists based on the possible presence of an UST.
F1 H	Unocal Center Street Terminal Northwest Corner of Center Drive & Ducommun Street Los Angeles	Storage and fueling area for Unocal products. ASTs observed. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
F2 H	Viertels Auto Wrecking 500 Center Drive Los Angeles	Fenced wrecking yard. A high potential for environmental impact exists based on the type of operation.
F3 H	Manley Oil Company 410 Center Drive Los Angeles	Oil refining and distribution facility. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
S1 M	Fishking 411 Center Drive Los Angeles	Type of operation is unknown. Two large ASTs observed. A moderate potential for environmental impact exists based on visual observations.
S2 H	Yuki Import Center 749 Center Drive Los Angeles	Auto repair facility. A moderate potential for environmental impact exists based on the type of operation.
S3 M	Wood Processing 815 Temple Street Los Angeles	Food processing facility. 55-gallon drums observed. A moderate potential for environmental impact exists based on visual observations.
S3a H	Metro Rail Yard Located Between First Street, Fourth Street, the Los Angeles River, and Santa Fe Avenue Los Angeles	Office, storage and maintenance facility for the Metro Rail. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey

Whittier Boulevard - With Metro Rail Yard/Alternative 8B (page 2 of 9)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
S4 H	Oil Pump Northeast of Palmetto Street and Santa Fe Avenue Los Angeles	Oil pump and three ASTs observed. A high potential for environmental impact exists based on the type of operation.
S5 H	Facility name: unknown Adjacent to the Southwest Corner of Palmetto Street & Santa Fe Avenue Los Angeles	Appears to be a storage yard. Trucks, ASTs, and 55-gallon drums observed. A high potential for environmental impact exists based on visual observations.
S6 H	Sun Chemical, General Printing Ink Division 590 South Santa Fe Avenue Los Angeles	Chemical manufacturing facility. Numerous 55-gallon drums observed. The site is listed as the BASF Inmont Facility on the LUST. See Site M on the Regulatory List Search Results by Alternative Alignments. A high potential for environmental impact exists based on the regulatory agency findings. See Appendix A, Field Reconnaissance Survey Photographs.
M4 H	Mission Services, Inc. 500-525 Mission Street (approximately - between 4th Street and 6th Street) Los Angeles	Storage and maintenance facilities for beverage trucks. Pump islands and fuel dispensers observed. A high potential for environmental impact exists based on visual observations.
M5 H	Saffola Quality Foods Receiving Dock 633 Mission Road Los Angeles	Numerous 55-gallon drums stored on site. Drums are stacked 3 high on wooden pallets over soil.
W1 H	Holiday Motors 2201 Whittier Boulevard Los Angeles	Site appears to be utilized for vehicle storage. Site appears to be a former gasoline station. A high potential for environmental impact exists based on the type of operation and visual observations.
W2 H	Holiday Motors 2222 Whittier Boulevard Los Angeles	Auto repair facility. Fuel dispenser observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W3 M	Abels Auto Parts Machine Shop 2231 Whittier Boulevard Los Angeles	Appears to be commercial business. A moderate potential for environmental impact exists based on visual observations.
W4 H	Facility name: unknown 2242 Whittier Boulevard Los Angeles	Appears to be an auto repair facility. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey
 Whittier Boulevard - With Metro Rail Yard/Alternative 8B (page 3 of 9)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W5 H	Issac Auto Sales and Service 2231 Whittier Boulevard Los Angeles	Sales and auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W6 H	Mobil Station 2290 Whittier Boulevard (approximately) Los Angeles	Retail gasoline service station. UST cluster located along Whittier Boulevard. See Site N on the Regulatory List Search Results table. A high potential for environmental impact exists based on the type of operation.
W7 H	Munoz Auto and Tires 2451 Whittier Boulevard Los Angeles	Auto repair facility. A high potential for environmental impact exists based on the type of operation.
W8 M	Los Angeles City Department of Parks & Recreation 2500 Whittier Boulevard Los Angeles	Appears to be a storage area. 55-gallon drums and storage sheds observed. A moderate potential for environmental impact exists based on visual observations.
W9 H	Llantera Garcia Tire and Auto Repair 2523 Whittier Boulevard Los Angeles	Auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W10 H	JV's Auto Repair and Upholstery 2600 Whittier Boulevard. Los Angeles	Auto repair facility. Service bays observed. A high potential for environmental impact exists based on the type of operation.
W11 H	Bicol Motors and Body Shop 2617 Whittier Boulevard Los Angeles	Auto repair facility. A high potential for environmental impact exists based on the type of operation.
W12 H	Quinteros and Sons Tires 2726 Whittier Boulevard Los Angeles	Auto repair and tire facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
W13 M	Vacant lot 2755 Whittier Boulevard Los Angeles	Fenced vacant lot. Two vehicles parked on the lot. 55-gallon drums observed. Appears the property is being used as a storage area. A moderate potential for environmental impact exists based on visual observations.
W14 H	H.I.S Auto Center 2762 Whittier Boulevard Los Angeles	Auto repair facility. Pump island and fuel dispensers observed. A high potential for environmental impact exists based on visual observations.

Field Reconnaissance Survey

Whittier Boulevard - With Metro Rail Yard/Alternative 8B (page 4 of 9)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W15 H	Angeles Auto Supplies 2770 Whittier Boulevard Los Angeles	Site appears to be a vacant auto repair facility. 55-gallon drums observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W16 H	Ixtlan Baterias 2829 Whittier Boulevard Los Angeles	Facility rebuilds batteries. Auto repair, surface staining and batteries observed. Acid stored on site. A high potential for environmental impact exists based the type of operation and visual observations.
W17 M	Facility name: unknown 2839 and 2843 Whittier Boulevard Los Angeles	According to the signs, both facilities sell plastic containers. A moderate potential for environmental impact exists based on the type of operations.
W18 H	Los Angeles City Fire Station #25 2927 Whittier Boulevard Los Angeles	UST related equipment (fill caps) observed. A high potential for environmental impact exists based on visual observations.
W19 H	Sloans Cleaners and Laundry 2924 Whittier Boulevard Los Angeles	Dry cleaning facility. A high potential for environmental impact exists based on the type of operation.
W20 L	La Barca Tortilleria 3047 Whittier Boulevard Los Angeles	Bakery. Large AST observed. A low potential for environmental impact exists based on the type of operation and visual observations.
W21 M	Facility name: unknown No address: first property after the 60 Freeway Los Angeles	Appears to be a second hand salvage yard. A moderate potential for environmental impact exists based on visual observations.
W22 H	Arco Gas Station Northeast corner of Lorena and Whittier Los Angeles	Retail gasoline service station. A high potential for environmental impact exists based on the type of operation.
W23 L	Toltec Carwash 3443 Whittier Boulevard Los Angeles	Car wash facility. A low potential for environmental impact exists based on the type of operation and visual observations.
W24 L	Foto Estudio Zapata 3500 Whittier Boulevard Los Angeles	Photography studio. A low potential for environmental impact exists based on the type of operation and visual observations.

Field Reconnaissance Survey
Whittier Boulevard - With Metro Rail Yard/Alternative 8B (page 5 of 9)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W25 H	Refuse Removal Facility 3523-3551 Whittier Boulevard Los Angeles	Truck and dumpster storage. Surface staining and hazardous materials observed. A high potential for environmental impact exists based on visual observations.
W26 H	Amro Industries 3551 Whittier Boulevard Los Angeles	Site appears not in operation. A high potential for environmental impact exists based on the unknown type of operation.
W27 H	CMD Refuse Removal 3534 Whittier Boulevard Los Angeles	Storage and parking area for refuse trucks. Pump island and surface staining observed. A high potential for environmental impact exists based on visual observations.
W28 H	Gamez Auto Center 3561 Whittier Boulevard Los Angeles	Auto repair facility. 55-gallon drums and surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W29 M	Jaugues Auto Sales 3560 Whittier Boulevard Los Angeles	Sales facility. A moderate potential for environmental impact exists based on the type of operation.
W30 M	A & B Ornamental 3710 Whittier Boulevard (approximately) Los Angeles	Ornamental iron works. Facility does not front Whittier Boulevard. No operations observable. A moderate potential for environmental impact exists based on location.
W31 H	J & A General Auto Repair and Engine Overhaul 3715 Whittier Boulevard Los Angeles	Auto repair facility. A high potential for environmental impact exists based on the type of operation. See Appendix A, Field Reconnaissance Survey Photographs.
W32a M	Juarez Manufacturing 3728 Whittier Boulevard Los Angeles	Wood work facility. A moderate potential for environmental impact exists based on the type of operation.
W32 H	Lantino Americana Mortuary 3827 Whittier Boulevard Los Angeles	Mortuary/funeral home. A high potential for environmental impact exists based on the type of operation.
W33 H	Foster Cleaners 3901 Whittier Boulevard Los Angeles	Dry cleaning facility. Appears dry cleaning is done on site. A high potential for environmental impact exists based on the type of operation.

Field Reconnaissance Survey

Whittier Boulevard - With Metro Rail Yard/Alternative 8B (page 6 of 9)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W34 H	Aegis Rent a Car 3900-3910 Whittier Boulevard Los Angeles	Car rental facility. A potential for auto repair occurring on the site exists. A high potential for environmental impact exists based on visual observations.
W35 H	Aguilar Body Shop 3913 Whittier Boulevard Los Angeles	Auto repair facility. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
W36 H	A & F Auto Parts 3928 Whittier Boulevard Los Angeles	Engine rebuilding and auto repair facility. Surface staining observed. Hydrocarbon odor detected from Whittier Boulevard. A high potential for environmental impact exists based on the type of operation and visual observations. See Appendix A, Field Reconnaissance Survey Photographs.
W37 H	J & F Tire and Automotive Services and Mora's Quality Body Shop 3961 Whittier Boulevard Los Angeles	Two auto repair facilities located at this site. A high potential for environmental impact exists based on the type of operations.
W38 H	Arturo's Ironworks 3970 Whittier Boulevard (approximately) Los Angeles	Appears to be a vacant store front. A high potential for environmental impact exists based on the unknown type of operation.
W39 H	Salgado Automotive Rebuilders 3975 Whittier Boulevard Los Angeles	Auto repair facility. 55-gallon drums used to store car parts. Surface staining observed. A high potential for environmental impact exists based on the type of operation and visual observations.
W40 H	Thrifty Gasoline Station 3990 Whittier Boulevard Los Angeles	Retail gasoline service station. See Site Q on the Regulatory List Search Results table. A high potential for environmental impact exists based on the type of operation.
W41 H	Whittier Tire Shop 4001 Whittier Boulevard Los Angeles	Tire repair facility. A high potential for environmental impact exists based on the type of operation.
W42 L	Roto-rooter Sewer Service Whittier Boulevard (no address visible) Los Angeles	Office and truck storage facility. A low potential for environmental impact exists based on visual observations.
W43 L	Facility name: unknown 4016 Whittier Boulevard (approximately) Los Angeles	Appears to be a junk yard. Located near the intersection of Gage Avenue. Various household appliances and building materials observed. A low potential for environmental impact exists based on visual observations.

Field Reconnaissance Survey

Whittier Boulevard - With Metro Rail Yard/Alternative 8B (page 7 of 9)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W44 H	Arturo's Ironworks 4001B Whittier Boulevard Los Angeles	Ironworks facility with 55-gallon drums and paint cans observed. A high potential for environmental impact exists based on the type of operation.
W45 M	American Granite 4084 Whittier Boulevard Los Angeles	Head/tomb stone manufacturing. A moderate potential for environmental impact exists based on the type of operation.
W46 H	El Pedorrero 4101 Whittier Boulevard Los Angeles	Muffler repair facility. A high potential for environmental impact exists based on the type of operation.
W47 M	Linares Auto Sales 4118 Whittier Boulevard Los Angeles	Sales facility with possible auto repair area. A moderate potential for environmental impact exists based on the size of operation.
W48 H	Facility name: unknown 4131 Whittier Boulevard Los Angeles	Fenced lot with numerous parked vehicles. Various auto parts observed. A high potential for environmental impact exists based on visual observations and unknown usage.
W49 M	Superior Marble and Granite Works 4161 Whittier Boulevard Los Angeles	Head/tomb stone manufacturing. A moderate potential for environmental impact exists based on the type of operation.
W50 M	Legrand Wilbert Vaults 4169 Whittier Boulevard Los Angeles	Manufacturer of cement caskets. A moderate potential for environmental impact exists based on the type of operation.
W51 H	Tampa Auto Sales 4166½ and 4166 Whittier Boulevard Los Angeles	Sales facility. Sites appear to be a former gas station. A high potential for environmental impact exists based on visual observations.
W52 H	Legrand Wilbert Vaults 4200 Whittier Boulevard Los Angeles	Manufacturer of concrete vaults. In 1991, an UST was removed from the property. Property owner is waiting for closure from the Los Angeles City Fire Department. A high potential for environmental impact exists based on verbal communication.
W52a H	Calvary Cemetery 4201 Whittier Boulevard Los Angeles	Cemetery. A high potential for environmental impact exists based on the type of operation. See Site S on the Regulatory List Search Results table.

Field Reconnaissance Survey

Whittier Boulevard - With Metro Rail Yard/Alternative 8B (page 8 of 9)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W52b H	Home of Peace Memorial Park Southwest Corner of Whittier Boulevard and Eastern Avenue Los Angeles	Cemetery. A high potential for environmental impact exists based on the type of operation.
W53 H	Shell Station 4411 Whittier Boulevard Los Angeles	Retail gasoline service station. A high potential for environmental impact exists based on the type of operation.
W54 H	The Car Depot 4424 Whittier Boulevard Los Angeles	Auto sales facility with a small repair area in the rear of the property. A high potential for environmental impact exists based on the type of operation and visual observations.
W55 H	Bud Hawkins Garage 4466 Whittier Boulevard Los Angeles	Auto repair facility. A high potential for environmental impact exists based on the type of operation.
W56 L	1 Hour Foto 4580 Whittier Boulevard Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
W57 H	Vic the Tailor/Cleaners 4617 Whittier Boulevard Los Angeles	Tailor and dry cleaning facility. A high potential for environmental impact exists based on the type of operation.
W58 L	Germar's Photo Studio 5112 Whittier Boulevard Los Angeles	Photograph developing facility. A low potential for environmental impact exists based on the type of operation.
W59 H	Lora's Tailor Shop and Cleaning 5120 Whittier Boulevard Los Angeles	Tailor and dry cleaning facility. Appears dry cleaning is performed on site. A high potential for environmental impact exists based on the type of operation.
W60 H	Alatore Market and A & J Auto 5127 Whittier Boulevard Los Angeles	Market and auto repair facility. The auto repair facility is located at the rear of the property. Surface staining observed. A high potential for environmental impact exists based on the type of the operations.
W61 M	Solutions 5143 Whittier Boulevard Los Angeles	Music store and market. Located in the rear of the property is a small fenced area which appears to be used as vehicle storage. Surface staining observed. A moderate potential for environmental impact exists based on the type of operations and visual observations.

Field Reconnaissance Survey

Whittier Boulevard - With Metro Rail Yard/Alternative 8B (page 9 of 9)

ID NO.	SITE/LOCATION	VISUAL INSPECTION SUMMARY
W62 H	Vargas Auto Sales and Stereos, Cycle Center, and L.A. Auto Repair 5150 Whittier Boulevard (approximately) Los Angeles	Various auto related facilities. Surface staining observed. A high potential for environmental impact exists based on visual observations.
W63 L	1 Hour Photo/Cleaners 5211 Whittier Boulevard East Los Angeles	The site is a combination of a cleaner and photography store. No dry cleaning or photograph development occurs on site. A low potential for environmental impact exists based on verbal communication.
W64 H	Arco Service Station 5200 Whittier Boulevard Los Angeles	Retail gasoline service station. Service bays observed. A high potential for environmental impact exists based on the type of operation.

APPENDIX D

REGULATORY AGENCY LIST REVIEW TABLES

90-31-328-01

TABLE 2

Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
Segment 3/MOS-3

Total Number of Regulatory List Sites by Alternative Alignment

Alternative Alignment #	BEP	CERCLIS	LUST
Alt. 3	1	2	8
Alt. 4	1	2	14
Alt. 5	1	2	5
Alt. 6A	1	1	5
Alt. 6B	1	1	5
Alt. 7	1	3	7
Alt. 8A	1	2	7
Alt. 8B	1	2	6
Alt. 9A	1	1	6
Alt. 9B	1	1	6
Alt. 10	1	2	14

Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
 Segment 3/MOS-3
 Regulatory List Search Results
 Identification Numbers Consecutive From West to East

Brooklyn Avenue/Alternative 3

ID. NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
A	Union Station 800 North Alameda Street Los Angeles	CERCLIS	Discovery 1	<p>Site of a former gasification plant from 1870 to 1941. From 1943 to 1946, the plant produced butadiene gas. Waste products associated with gasification/butadiene production are polynuclear aromatic hydrocarbons, phenolics, heavy metals, light aromatic hydrocarbons, and sulfur and nitrogen compounds. Ground water and soil contamination by hazardous organic compounds were first discovered in 1986 by the California Department of Transportation. This site is also listed as the Southern California Gas Company Aliso Street Plant in the BEP. A very high potential for environmental impact exists based on the available information.</p>
B	Southern California Gas Aliso Street Plant Located between Turner & Alhambra Streets Los Angeles	BEP	---	<p>Former coal gasification facility. Waste products commonly referred to as polynuclear aromatic hydrocarbons or PNAS or PAHs. These wastes were typically discharged to on site depressions or ponds and covered/paved over with the waste left in place. The main gas manufacturing operations were conducted within a 25 acre area north of the Santa Ana Freeway (formerly Aliso Street) and adjoining both sides of Macy Street. Contamination to both soil and ground water has been discovered in excavations crossing the site. This site is also listed on the CERCLIS as the Union Station site. A very high potential for environmental impact exists based on the available information.</p>

Regulatory List Search Results
 Brooklyn Avenue/Alternative 3 (page 2 of 3)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
C	Friedman Bag Company 801 Commercial Street Los Angeles	LUST	No action taken by the responsible party	Various fire code violations have been recorded with the LAFD. A 1985 Hazardous Materials Information Sheet states that flammable/combustible liquids, oils, thinners and 500-gallons of gasoline are present on the property. It is unknown if the gasoline is stored in an UST. A high potential for environmental impact exists based on the document review of this reported incident and the possible presence of an UST.
D	A & H Greenfield Metal 830 East Commercial Street Los Angeles	CERCLIS	No further action	Site was a sheet metal shop from 1967 to 1984. During this time, drums of unknown contents were observed on the site. The site is currently owned by the Rapid Transit District. No evidence of hazardous waste disposal on site has been observed. A low potential for environmental impact exists based on the document review of this reported incident and the regulatory agency status.
E	Solaglas 415 North Mission Road Los Angeles	LUST	No action taken by the responsible party	According to the LAFD, Solaglas had an UST which contained 95% water and 5% gasoline. The UST was subsequently removed and soil sampling results indicated very minimal contamination. The LAFD required no further action regarding the case. A low potential for environmental impact exists based on the LAFD findings for this reported incident.
F	Raymond Rodriguez Property 1632 Brooklyn Avenue Los Angeles	LUST	Remediation plan has been submitted	During UST removal procedures in November 1987, soil contamination was discovered. Ground water was encountered at 34 bgs and appeared to be a perched zone; however, the case was referred to the RWQCB. According to the RWQCB, there is no file on this case. A high potential for environmental impact exists based on the uncharacterized nature of the contaminant plume.

Regulatory List Search Results
 Brooklyn Avenue/Alternative 3 (page 3 of 3)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
G	Shell Station 1900 East Brooklyn Avenue Los Angeles	LUST	Pollution characterization is in progress	An investigation is currently in progress. According to an April 1992 quarterly status report, over 4,000 pounds of hydrocarbons have been removed from the soil. Ground water has not been impacted and the LAFD has stated that no further action is necessary regarding a ground water investigation. A low potential of environmental impact exists based on the document review of this reported incident and the LAFD findings.
H	La Mancha Development 3470 East Brooklyn Avenue Los Angeles	LUST	Leak is being confirmed	An investigation is currently in progress. A vapor extraction system is operational to remove hydrocarbons from the soil. A map delineating the contamination plume showed the plume extending beneath Hicks Street. Ground water was not encountered to a depth of 75 feet below ground surface. A moderate potential for environmental impact exists based on the on-going remediation of location.
Q	Thrifty Station #032 3981 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization is in progress	The LACDPW file was not available for review. A high potential for environmental impact exists based on type of operation.
R	Shell Station 4411 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization is in progress	Soil contamination was detected in backfill material and was removed. Quarterly status reports submitted to the RWQCB since December 1990 have requested closure to the case. A low potential for environmental impact exists from this reported incident based on the available information.
S	Calvary Cemetery 4201 Whittier Boulevard Los Angeles	LUST	Preliminary site assessment workplan has been submitted	Soil contamination was detected during UST removal procedures. The extent of the contamination has not been defined. A high potential for environmental impact exists based on the uncharacterized nature of the contamination.

Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
 Segment 3/MOS-3
 Regulatory List Search Results
 Identification Numbers Consecutive From West to East

Brooklyn/College/Alternative 4

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
A	Union Station 800 North Alameda Street Los Angeles	CERCLIS	Discovery 1	Site of a former gasification plant from 1870 to 1941. From 1943 to 1946, the plant produced butadiene gas. Waste products associated with gasification/butadiene production are polynuclear aromatic hydrocarbons, phenolics, heavy metals, light aromatic hydrocarbons, and sulfur and nitrogen compounds. Ground water and soil contamination by hazardous organic compounds were first discovered in 1986 by the California Department of Transportation. This site is also listed as the Southern California Gas Company Aliso Street Plant in the BEP. A very high potential for environmental impact exists based on the available information.
B	Southern California Gas Aliso Street Plant Located between Turner & Alhambra Streets Los Angeles	BEP	---	Former coal gasification facility. Waste products commonly referred to as polynuclear aromatic hydrocarbons or PNAs or PAHs. These wastes were typically discharged to on site depressions or ponds and covered/paved over with the waste left in place. The main gas manufacturing operations were conducted within a 25 acre area north of the Santa Ana Freeway (formerly Aliso Street) and adjoining both sides of Macy Street. Contamination to both soil and ground water has been discovered in excavations crossing the site. This site is also listed on the CERCLIS as the Union Station site. A very high potential for environmental impact exists based on the available information.

Regulatory List Search Results
 Brooklyn/College/Alternative 4 (page 2 of 5)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
C	Friedman Bag Company 801 Commercial Street Los Angeles	LUST	No action taken by the responsible party	Various fire code violations have been recorded with the LAFD. A 1985 Hazardous Materials Information Sheet states that flammable/combustible liquids, oils, thinners and 500-gallons of gasoline are present on the property. It is unknown if the gasoline is stored in an UST. A high potential for environmental impact exists based on the document review of this reported incident and the possible presence of an UST.
D	A & H Greenfield Metal 830 East Commercial Street Los Angeles	CERCLIS	No further action	Site was a sheet metal shop from 1967 to 1984. During this time, drums of unknown contents were observed on the site. The site is currently owned by the Rapid Transit District. No evidence of hazardous waste disposal on site has been observed. A low potential for environmental impact exists based on the document review of this reported incident and the regulatory agency status.
E	Solaglas 415 North Mission Road Los Angeles	LUST	No action taken by the responsible party	According to the LAFD, Solaglas had an UST which contained 95% water and 5% gasoline. The UST was subsequently removed and soil sampling results indicated very minimal contamination. The LAFD required no further action regarding the case. A low potential for environmental impact exists based on the LAFD findings for this reported incident.
F	Raymond Rodriguez Property 1632 Brooklyn Avenue Los Angeles	LUST	Remediation plan has been submitted	During UST removal procedures in November 1987, soil contamination was discovered. Ground water was encountered at 34 bgs and appeared to be a perched zone; however, the case was referred to the RWQCB. According to the RWQCB, there is no file on this case. A high potential for environmental impact exists based on the uncharacterized nature of the contaminant plume.

Regulatory List Search Results
 Brooklyn/College/Alternative 4 (page 3 of 5)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
G	Shell Station 1900 East Brooklyn Avenue Los Angeles	LUST	Pollution characterization is in progress	An investigation is currently in progress. According to an April 1992 quarterly status report, over 4,000 pounds of hydrocarbons has been removed from the soil. Ground water has not been impacted and the LAFD has stated that no further action is necessary regarding a ground water investigation. A low potential of environmental impact exists based on the document review of this reported incident and the LAFD findings.
H	La Mancha Development 3470 East Brooklyn Avenue Los Angeles	LUST	No action taken by the responsible party	An investigation is currently in progress. A vapor extraction system is operational to remove hydrocarbons from the soil. A map delineating the contamination plume showed the plume extending beneath Hicks Street. Ground water was not encountered to a depth of 75 feet below ground surface. A moderate potential for environmental impact exists based on the on-going remediation of location.
I	Shell Station #204 4357 Brooklyn Avenue Los Angeles	LUST	No action taken by the responsible party	Soil contamination has been detected on this site. The contamination plume has partially been defined and extends off-site along the eastern property line. Additional work is being proposed. A high potential for environmental impact exists based on the uncharacterized nature of the contamination.
J	Ol Virginia Packing, Inc. 4709 East Brooklyn Avenue Los Angeles	LUST	Preliminary site assessment workplan has been submitted	Approximately 578 tons of petroleum hydrocarbon contaminated soil has been removed from this site. Closure was granted in October 1991 by the LACDPW. A sump and clarifier are located on the property and there was no indication of closure regarding these two items. A high potential for environmental impact exists due to unknown disposition regarding the sump and clarifier.

Regulatory List Search Results
 Brooklyn/College/Alternative 4 (page 4 of 5)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
K	Shell Station 2291 South Atlantic Boulevard Monterey Park	LUST	Leak is being confirmed	Soil contamination has occurred on the property as a result of operating USTs. The contamination is located along the southern property line; however the extent of the contamination has not been defined. A high potential for environmental impact exists based on the uncharacterized nature of the contamination.
Q	Thrifty Station #032 3981 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization in progress	The LACDPW file was not available for review. A high potential for environmental impact exists based on the type of operation.
T	Fast Fuel #66 5756 Whittier Boulevard Commerce	LUST	Leak is being confirmed	According to LACDPW personnel, the file on this site is not available for public review due to the current litigation process. A high potential for environmental impact exists based on the type of operation.
V	Camino Real Chevrolet 2401 Atlantic Boulevard Monterey Park	LUST	Preliminary site assessment is underway	Soil contamination was detected during tank removal procedures. The extent of the contamination has not been defined. In November 1991, the LACDPW requested a proposal for additional work. A high potential for environmental impact exists based on the uncharacterized nature of the contamination.
W	Pronto Marketing 401 S. Atlantic Boulevard Los Angeles	LUST	Preliminary site assessment is underway	According to LACDPW personnel, the file on this site is not available for public review due to the current litigation process. A high potential for environmental impact exists based on available information.
X	R-Boys 99 Cents Store 601 Atlantic Boulevard Los Angeles	LUST	No action taken by the responsible party	Six USTs were removed from the property and the LACDPW granted final closure in March 1989. According to the LACDPW file, this site is listed in error on the RWQCB's LUST list. A low potential for environmental impact exists for this reported incident based on the regulatory agency findings.

Regulatory List Search Results
Brooklyn/College/Alternative 4 (page 5 of 5)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
Y	Freeway Ford 666 S. Atlantic Boulevard Los Angeles	LUST	Preliminary site assessment is underway	Approximately 70 cubic yards of contaminated soil have been removed from the site. Freeway Ford's consultant is requesting no further action to the site and closure from the LACDPW. A low potential for environmental impact exists for this reported incident based on the request for closure.

Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
 Segment 3/MOS-3
 Regulatory List Search Results
 Identification Numbers Consecutive From West to East

First Street/Alternative 5

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
A	Union Station 800 North Alameda Street Los Angeles	CERCLIS	Discovery 1	Site of a former gasification plant from 1870 to 1941. From 1943 to 1946, the plant produced butadiene gas. Waste products associated with gasification/butadiene production are polynuclear aromatic hydrocarbons, phenolics, heavy metals, light aromatic hydrocarbons, and sulfur and nitrogen compounds. Ground water and soil contamination by hazardous organic compounds were first discovered in 1986 by the California Department of Transportation. This site is also listed as the Southern California Gas Company Aliso Street Plant in the BEP. A very high potential for environmental impact exists based on the available information.
B	Southern California Gas Aliso Street Plant Located between Turner & Alhambra Streets Los Angeles	BEP	---	Former coal gasification facility. Waste products commonly referred to as polynuclear aromatic hydrocarbons or PNAS or PAHs. These wastes were typically discharged to on site depressions or ponds and covered/paved over with the waste left in place. The main gas manufacturing operations were conducted within a 25 acre area north of the Santa Ana Freeway (formerly Aliso Street) and adjoining both sides of Macy Street. Contamination to both soil and ground water has been discovered in excavations crossing the site. This site is also listed on the CERCLIS as the Union Station site. A very high potential for environmental impact exists based on the available information.

Regulatory List Search Results
 First Street/Alternative 5 (page 2 of 3)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
C	Friedman Bag Company 801 Commercial Street Los Angeles	LUST	No action taken by the responsible party	Various fire code violations have been recorded with the LAFD. A 1985 Hazardous Materials Information Sheet states that flammable/combustible liquids, oils, thinners and 500-gallons of gasoline are present on the property. It is unknown if the gasoline is stored in an UST. A high potential for environmental impact exists based on the document review of this reported incident and the possible presence of an UST.
D	A & H Greenfield Metal 830 East Commercial Street Los Angeles	CERCLIS	No further action	Site was a sheet metal shop from 1967 to 1984. During this time, drums of unknown contents were observed on the site. The site is currently owned by the Rapid Transit District. No evidence of hazardous waste disposal on site has been observed. A low potential for environmental impact exists based on the document review of this reported incident and the regulatory agency status.
L	Evergreen Cemetery 3301 East 1st Street Los Angeles	LUST	Case closed	Soil contamination was detected during UST removal procedures. Free product was thought to have contaminated the ground water. However, further investigation determined the ground water to be clean. The RWQCB and the LACDPW have recommended no further action and have closed the case. A low potential for environmental impact exists based on regulatory agency status for this reported incident.
Q	Thrifty Station #032 3981 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization is in progress	The LACDPW file was not available for review. A high potential for environmental impact exists based on type of operation.

Regulatory List Search Results
 First Street/Alternative 5 (page 3 of 3)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
R	Shell Station 4411 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization is in progress	Soil contamination was detected in backfill material and was removed. Quarterly status reports submitted to the RWQCB since December 1990 have requested closure to the case. A low potential for environmental impact exists based on available information for this reported incident.
S	Calvary Cemetery 4201 Whittier Boulevard Los Angeles	LUST	Preliminary site assessment workplan has been submitted	Soil contamination was detected during UST removal procedures. The extent of the contamination has not been defined. A high potential for environmental impact exists based on uncharacterized nature of contamination.

**Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
Segment 3/MOS-3**

**Regulatory List Search Results
Identification Numbers Consecutive From West to East**

First Street - With Metro Rail Yard Station/Alternative 6A

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
A	Union Station 800 North Alameda Street Los Angeles	CERCLIS	Discovery 1	Site of a former gasification plant from 1870 to 1941. From 1943 to 1946, the plant produced butadiene gas. Waste products associated with gasification/butadiene production are polynuclear aromatic hydrocarbons, phenolics, heavy metals, light aromatic hydrocarbons, and sulfur and nitrogen compounds. Ground water and soil contamination by hazardous organic compounds were first discovered in 1986 by the California Department of Transportation. This site is also listed as the Southern California Gas Company Aliso Street Plant in the BEP. A very high potential for environmental impact exists based on the available information.
B	Southern California Gas Aliso Street Plant Located between Turner & Alhambra Streets Los Angeles	BEP	---	Former coal gasification facility. Waste products commonly referred to as polynuclear aromatic hydrocarbons or PNAs or PAHs. These wastes were typically discharged to on site depressions or ponds and covered/paved over with the waste left in place. The main gas manufacturing operations were conducted within a 25 acre area north of the Santa Ana Freeway (formerly Aliso Street) and adjoining both sides of Macy Street. Contamination to both soil and ground water has been discovered in excavations crossing the site. This site is also listed on the CERCLIS as the Union Station site. A very high potential for environmental impact exists based on the available information.

Regulatory List Search Results

First Street - With Metro Rail Yard Station/Alternative 6A (page 2 of 2)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
C	Friedman Bag Company 801 Commercial Street Los Angeles	LUST	No action taken by the responsible party	Various fire code violations have been recorded with the LAFD. A 1985 Hazardous Materials Information Sheet states that flammable/combustible liquids, oils, thinners and 500-gallons of gasoline are present on the property. It is unknown if the gasoline is stored in an UST. A high potential for environmental impact exists based on the document review of this reported incident and the possible presence of an UST.
L	Evergreen Cemetery 3301 East 1st Street Los Angeles	LUST	Case closed	Soil contamination detected during UST removal procedures. Free product was thought to have contaminated the ground water. However, further investigation determined the ground water to be clean. The RWQCB and the LACDPW have recommended no further action and have closed the case. A low potential for environmental impact exists based on regulatory agency status for this reported incident.
Q	Thrifty Station #032 3981 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization is in progress	The LACDPW file was not available for review. A high potential for environmental impact exists based on the type of operation.
R	Shell Station 4411 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization is in progress	Soil contamination was detected in backfill material and was removed. Quarterly status reports submitted to the RWQCB since December 1990 have requested closure to the case. A low potential for environmental impact from this reported incident exists based on available information.
S	Calvary Cemetery 4201 Whittier Boulevard Los Angeles	LUST	Preliminary site assessment workplan has been submitted	Soil contamination was detected during UST removal procedures. The extent of the contamination has not been defined. A high potential for environmental impact exists based on the uncharacterized nature of contamination.

**Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
Segment 3/MOS-3
Regulatory List Search Results
Identification Numbers Consecutive From West to East**

First Street - With Metro Rail Yard Station/Alternative 6B

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
A	Union Station 800 North Alameda Street Los Angeles	CERCLIS	Discovery 1	Site of a former gasification plant from 1870 to 1941. From 1943 to 1946, the plant produced butadiene gas. Waste products associated with gasification/butadiene production are polynuclear aromatic hydrocarbons, phenolics, heavy metals, light aromatic hydrocarbons, and sulfur and nitrogen compounds. Ground water and soil contamination by hazardous organic compounds were first discovered in 1986 by the California Department of Transportation. This site is also listed as the Southern California Gas Company Aliso Street Plant in the BEP. A very high potential for environmental impact exists based on the available information.
B	Southern California Gas Aliso Street Plant Located between Turner & Alhambra Streets Los Angeles	BEP	---	Former coal gasification facility. Waste products commonly referred to as polynuclear aromatic hydrocarbons or PNAs or PAHs. These wastes were typically discharged to on site depressions or ponds and covered/paved over with the waste left in place. The main gas manufacturing operations were conducted within a 25 acre area north of the Santa Ana Freeway (formerly Aliso Street) and adjoining both sides of Macy Street. Contamination to both soil and ground water has been discovered in excavations crossing the site. This site is also listed on the CERCLIS as the Union Station site. A very high potential for environmental impact exists based on the available information.

Regulatory List Search Results
 First Street - With Metro Rail Yard Station/Alternative 6B (page 2 of 3)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
L	Evergreen Cemetery 3301 East 1st Street Los Angeles	LUST	Case closed	Soil contamination detected during UST removal procedures. Free product was thought to have contaminated the ground water. However, further investigation determined the ground water to be clean. The RWQCB and the LACDPW have recommended no further action and have closed the case. A low potential for environmental impact exists based on regulatory agency status for this reported incident.
M	BASF Inmont Facility 590 South Santa Fe Avenue Los Angeles	LUST	Implementation of a corrective action plan is in progress	Soil and ground water contamination has occurred at this facility. The contamination may have migrated off-site. There was no indication in the RWQCB file that the contamination plume has been fully characterized. During the first quarter of 1991, a review of the comprehensive site investigation report was being conducted by BASF and their consultants to determine subsequent courses of action. A very high potential for environmental impact exists based on the regulatory agency findings.
Q	Thrifty Station #032 3981 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization is in progress	The LACDPW file was not available for review. A high potential for environmental impact exists based on the type of operation.
R	Shell Station 4411 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization is in progress	Soil contamination was detected in backfill material and was removed. Quarterly status reports submitted to the RWQCB since December 1990 have requested closure to the case. A low potential for environmental impact from this reported incident exists based on available information.

Regulatory List Search Results

First Street - With Metro Rail Yard Station/Alternative 6B (page 3 of 3)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
S	Calvary Cemetery 4201 Whittier Boulevard Los Angeles	LUST	Preliminary site assessment workplan has been submitted	Soil contamination was detected during UST removal procedures. The extent of the contamination has not been defined. A high potential for environmental impact exists based on the uncharacterized nature of contamination.

Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
 Segment 3/MOS-3
 Regulatory List Search Results
 Identification Numbers Consecutive From West to East

Whittier Boulevard/Alternative 7

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
A	Union Station 800 North Alameda Street Los Angeles	CERCLIS	Discovery 1	Site of a former gasification plant from 1870 to 1941. From 1943 to 1946, the plant produced butadiene gas. Waste products associated with gasification/butadiene production are polynuclear aromatic hydrocarbons, phenolics, heavy metals, light aromatic hydrocarbons, and sulfur and nitrogen compounds. Ground water and soil contamination by hazardous organic compounds were first discovered in 1986 by the California Department of Transportation. This site is also listed as the Southern California Gas Company Aliso Street Plant in the BEP. A very high potential for environmental impact exists based on the available information.
B	Southern California Gas Aliso Street Plant Located between Turner & Alhambra Streets Los Angeles	BEP	---	Former coal gasification facility. Waste products commonly referred to as polynuclear aromatic hydrocarbons or PNAs or PAHs. These wastes were typically discharged to on site depressions or ponds and covered/paved over with the waste left in place. The main gas manufacturing operations were conducted within a 25 acre area north of the Santa Ana Freeway (formerly Aliso Street) and adjoining both sides of Macy Street. Contamination to both soil and ground water has been discovered in excavations crossing the site. This site is also listed on the CERCLIS as the Union Station site. A very high potential for environmental impact exists based on the available information.

Regulatory List Search Results
Whittier Boulevard/Alternative 7 (page 2 of 4)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
C	Friedman Bag Company 801 Commercial Street Los Angeles	LUST	No action taken by the responsible party	Various fire code violations have been recorded with the LAFD. A 1985 Hazardous Materials Information Sheet states that flammable/combustible liquids, oils, thinners and 500-gallons of gasoline are present on the property. It is unknown if the gasoline is stored in an UST. A high potential for environmental impact exists based on the document review of this reported incident and the possible presence of an UST.
D	A & H Greenfield Metal 830 East Commercial Street Los Angeles	CERCLIS	No further action	Site was a sheet metal shop from 1967 to 1984. During this time, drums of unknown contents were observed on the site. The site is currently owned by the Rapid Transit District. No evidence of hazardous waste disposal on site has been observed. A low potential for environmental impact exists based on the document review of this reported incident and the regulatory agency status.
N	Mobil Station #11-EKT 909 South Soto Street Los Angeles	LUST	Pollution characterization is in progress	During tank integrity testing a leak in an UST was discovered. According to the LAFD, further assessment was scheduled for October 1990. However, the work has not yet been performed. A high potential for environmental impact exists based on incomplete assessment.

Regulatory List Search Results
 Whittier Boulevard/Alternative 7 (page 3 of 4)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
O	Capri Pumping Service 3128 Whittier Boulevard Los Angeles	CERCLIS	Site inspection 1	Capri Pumping Service, a hazardous waste treatment and disposal facility, was in operation from 1971 to 1983. Capri had a history of noncompliance with local and state regulations regarding waste handling. In August 1979 the California Department of Health Services (DHS) ordered the facility cleaned up. In May 1983 the clean up process began. Excavation of soil took place along with the a ground water monitoring program. No indication of completion or closure was indicated in the DHS file. A high potential for environmental impact exists based on incomplete assessment of location.
P	Arco Station #0191 3401 Whittier Boulevard Los Angeles	LUST	No action taken by the responsible party	Soil contamination was detected during UST removal procedures. Three vapor extraction wells were installed on the property and a vapor extraction system is currently being designed by Acro's consultant. A moderate potential for environmental impact exists based on the on-going remediation of location.
Q	Thrifty Station #032 3981 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization is in progress	The LACDPW file was not available for review. A high potential for environmental impact exists based on type of operation.
R	Shell Station 4411 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization is in progress	Soil contamination was detected in backfill material and was removed. Quarterly status reports submitted to the RWQCB since December 1990 have requested closure to the case. A low potential for environmental impact for the reported incident exists based on available information.
S	Calvary Cemetery 4201 Whittier Boulevard Los Angeles	LUST	Preliminary site assessment workplan has been submitted	Soil contamination was detected during UST removal procedures. The extent of the contamination has not been defined. A high potential for environmental impact exists based on uncharacterized nature of contamination.

Regulatory List Search Results
Whittier Boulevard/Alternative 7 (page 4 of 4)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
U	Hollenbeck Home 573 South Boyle Avenue Los Angeles	LUST	Pollution characterization is in progress	The file was not available for review at the RWQCB. A high potential for environmental impact exists based on unavailable information.

**Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
Segment 3/MOS-3**

Regulatory List Search Results

Identification Numbers Consecutive From West to East

Whittier Boulevard - With Metro Rail Yard/Alternative 8A

ID. NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
A	Union Station 800 North Alameda Street Los Angeles	CERCLIS	Discovery 1	Site of a former gasification plant from 1870 to 1941. From 1943 to 1946, the plant produced butadiene gas. Waste products associated with gasification/butadiene production are polynuclear aromatic hydrocarbons, phenolics, heavy metals, light aromatic hydrocarbons, and sulfur and nitrogen compounds. Ground water and soil contamination by hazardous organic compounds were first discovered in 1986 by the California Department of Transportation. This site is also listed as the Southern California Gas Company Aliso Street Plant in the BEP. A very high potential for environmental impact exists based on the available information.
B	Southern California Gas Aliso Street Plant Located between Turner & Alhambra Streets Los Angeles	BEP	---	Former coal gasification facility. Waste products commonly referred to as polynuclear aromatic hydrocarbons or PNAs or PAHs. These wastes were typically discharged to on site depressions or ponds and covered/paved over with the waste left in place. The main gas manufacturing operations were conducted within a 25 acre area north of the Santa Ana Freeway (formerly Aliso Street) and adjoining both sides of Macy Street. Contamination to both soil and ground water has been discovered in excavations crossing the site. This site is also listed on the CERCLIS as the Union Station site. A very high potential for environmental impact exists based on the available information.

Regulatory List Search Results

Whittier Boulevard - With Metro Rail Yard/Alternative 8A (page 2 of 3)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
C	Friedman Bag Company 801 Commercial Street Los Angeles	LUST	No action taken by the responsible party	Various fire code violations have been recorded with the LAFD. A 1985 Hazardous Materials Information Sheet states that flammable/combustible liquids, oils, thinners and 500-gallons of gasoline are present on the property. It is unknown if the gasoline is stored in an UST. A high potential for environmental impact exists based on the document review for this reported incident and the possible presence of UST.
M	BASF Inmont Facility 590 South Santa Fe Avenue Los Angeles	LUST	Implementation of a corrective action plan is in progress	Soil and ground water contamination has occurred at this facility. The contamination may have migrated off-site. There was no indication in the RWQCB file that the contamination plume has been fully characterized. During the first quarter of 1991, a review of the comprehensive site investigation report was being conducted by BASF and their consultants to determine subsequent courses of action. A very high potential for environmental impact exists based on the regulatory agency findings.
N	Mobil Station #11-EKT 909 South Soto Street Los Angeles	LUST	Pollution characterization is in progress	During tank integrity testing a leak in an UST was discovered. According to the LAFD, further assessment was scheduled for October 1990. However, the work has not yet been performed. A high potential for environmental impact exists based on the incomplete assessment.

Regulatory List Search Results

Whittier Boulevard - With Metro Rail Yard/Alternative 8A (page 3 of 3)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
O	Capri Pumping Service 3128 Whittier Boulevard Los Angeles	CERCLIS	Site inspection 1	Capri Pumping Service, a hazardous waste treatment and disposal facility, was in operation from 1971 to 1983. Capri had a history of noncompliance with local and state regulations regarding waste handling. In August 1979 the California Department of Health Services (DHS) ordered the facility cleaned up. In May 1983 the clean up process began. Excavation of soil took place along with a ground water monitoring program. No indication of completion or closure was indicated in the DHS file. A high potential for environmental impact exists based on the incomplete assessment of the location.
P	Arco Station #0191 3401 Whittier Boulevard Los Angeles	LUST	No action taken by the responsible party	Soil contamination was detected during UST removal procedures. Three vapor extraction wells were installed on the property and a vapor extraction system is currently being designed by Arco's consultant. A moderate potential for environmental impact exists based on the on-going remediation of location.
Q	Thrifty Station #032 3981 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization is in progress	The LACDPW file was not available for review. A high potential for environmental impact exists based on type of operation.
R	Shell Station 4411 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization is in progress	Soil contamination was detected in backfill material and was removed. Quarterly status reports submitted to the RWQCB since December 1990 have requested closure to the case. A low potential for environmental impact for this reported incident exists based on available information.
S	Calvary Cemetery 4201 Whittier Boulevard Los Angeles	LUST	Preliminary site assessment workplan has been submitted	Soil contamination was detected during UST removal procedures. The extent of the contamination has not been defined. A high potential for environmental impact exists based on the uncharacterized nature of the contamination.

**Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
Segment 3/MOS-3**

**Regulatory List Search Results
Identification Numbers Consecutive From West to East**

Whittier Boulevard - With Metro Rail Yard/Alternative 8B

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
A	Union Station 800 North Alameda Street Los Angeles	CERCLIS	Discovery 1	Site of a former gasification plant from 1870 to 1941. From 1943 to 1946, the plant produced butadiene gas. Waste products associated with gasification/butadiene production are polynuclear aromatic hydrocarbons, phenolics, heavy metals, light aromatic hydrocarbons, and sulfur and nitrogen compounds. Ground water and soil contamination by hazardous organic compounds were first discovered in 1986 by the California Department of Transportation. This site is also listed as the Southern California Gas Company Aliso Street Plant in the BEP. A very high potential for environmental impact exists based on the available information.
B	Southern California Gas Aliso Street Plant Located between Turner & Alhambra Streets Los Angeles	BEP	---	Former coal gasification facility. Waste products commonly referred to as polynuclear aromatic hydrocarbons or PNAs or PAHs. These wastes were typically discharged to on site depressions or ponds and covered/paved over with the waste left in place. The main gas manufacturing operations were conducted within a 25 acre area north of the Santa Ana Freeway (formerly Aliso Street) and adjoining both sides of Macy Street. Contamination to both soil and ground water has been discovered in excavations crossing the site. This site is also listed on the CERCLIS as the Union Station site. A very high potential for environmental impact exists based on the available information.

Regulatory List Search Results

Whittier Boulevard - With Metro Rail Yard/Alternative 8B (page 2 of 3)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
M	BASF Inmont Facility 590 South Santa Fe Avenue Los Angeles	LUST	Implementation of a corrective action plan is in progress	Soil and ground water contamination has occurred at this facility. The contamination may have migrated off-site. There was no indication in the RWQCB file that the contamination plume has been fully characterized. During the first quarter of 1991, a review of the comprehensive site investigation report was being conducted by BASF and their consultants to determine subsequent courses of action. A very high potential for environmental impact exists based on the regulatory agency findings.
N	Mobil Station #11-EKT 909 South Soto Street Los Angeles	LUST	Pollution characterization is in progress	During tank integrity testing a leak in an UST was discovered. According to the LAFD, further assessment was scheduled for October 1990. However, the work has not yet been performed. A high potential for environmental impact exists based on the incomplete assessment.
O	Capri Pumping Service 3128 Whittier Boulevard Los Angeles	CERCLIS	Site inspection 1	Capri Pumping Service, a hazardous waste treatment and disposal facility, was in operation from 1971 to 1983. Capri had a history of noncompliance with local and state regulations regarding waste handling. In August 1979 the California Department of Health Services (DHS) ordered the facility cleaned up. In May 1983 the clean up process began. Excavation of soil took place along with a ground water monitoring program. No indication of completion or closure was indicated in the DHS file. A high potential for environmental impact exists based on the incomplete assessment of the location.

Regulatory List Search Results

Whittier Boulevard - With Metro Rail Yard/Alternative 8B (page 3 of 3)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
P	Arco Station #0191 3401 Whittier Boulevard Los Angeles	LUST	No action taken by the responsible party	Soil contamination was detected during UST removal procedures. Three vapor extraction wells were installed on the property and a vapor extraction system is currently being designed by Acro's consultant. A moderate potential for environmental impact exists based on the on-going remediation of location.
Q	Thrifty Station #032 3981 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization is in progress	The LACDPW file was not available for review. A high potential for environmental impact exists based on type of operation.
R	Shell Station 4411 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization is in progress	Soil contamination was detected in backfill material and was removed. Quarterly status reports submitted to the RWQCB since December 1990 have requested closure to the case. A low potential for environmental impact for this reported incident exists based on available information.
S	Calvary Cemetery 4201 Whittier Boulevard Los Angeles	LUST	Preliminary site assessment workplan has been submitted	Soil contamination was detected during UST removal procedures. The extent of the contamination has not been defined. A high potential for environmental impact exists based on the uncharacterized nature of the contamination.

Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
 Segment 3/MOS-3
 Regulatory List Search Results
 Identification Numbers Consecutive From West to East

Brooklyn Avenue - With Metro Rail Yard Station/Alternative 9A

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
A	Union Station 800 North Alameda Street Los Angeles	CERCLIS	Discovery 1	Site of a former gasification plant from 1870 to 1941. From 1943 to 1946, the plant produced butadiene gas. Waste products associated with gasification/butadiene production are polynuclear aromatic hydrocarbons, phenolics, heavy metals, light aromatic hydrocarbons, and sulfur and nitrogen compounds. Ground water and soil contamination by hazardous organic compounds were first discovered in 1986 by the California Department of Transportation. This site is also listed as the Southern California Gas Company Aliso Street Plant in the BEP. A very high potential for environmental impact exists based on the available information.
B	Southern California Gas Aliso Street Plant Located between Turner & Alhambra Streets Los Angeles	BEP	---	Former coal gasification facility. Waste products commonly referred to as polynuclear aromatic hydrocarbons or PNAs or PAHs. These wastes were typically discharged to on site depressions or ponds and covered/paved over with the waste left in place. The main gas manufacturing operations were conducted within a 25 acre area north of the Santa Ana Freeway (formerly Aliso Street) and adjoining both sides of Macy Street. Contamination to both soil and ground water has been discovered in excavations crossing the site. This site is also listed on the CERCLIS as the Union Station site. A very high potential for environmental impact exists based on the available information.

Regulatory List Search Results

Brooklyn Avenue - With Metro Rail Yard Station/Alternative 9A (page 2 of 3)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
C	Friedman Bag Company 801 Commercial Street Los Angeles	LUST	No action taken by the responsible party	Various fire code violations have been recorded with the LAFD. A 1985 Hazardous Materials Information Sheet states that flammable/combustible liquids, oils, thinners and 500-gallons of gasoline are present on the property. It is unknown if the gasoline is stored in an UST. A high potential for environmental impact exists based on the document review of this reported incident and the possible presence of UST.
H	La Mancha Development 3470 East Brooklyn Avenue, Los Angeles	LUST	Leak is being confirmed	An investigation is currently in progress. A vapor extraction system is operational to remove hydrocarbons from the soil. A map delineating the contamination plume showed the plume extending beneath Hicks Street. Ground water was not encountered to a depth of 75 feet below ground surface. A moderate potential for environmental impact exists based on the on-going remediation of location.
L	Evergreen Cemetery 3301 East 1st Street Los Angeles	LUST	Case closed	Soil contamination was detected during UST removal procedures. Free product was thought to have contaminated the ground water. However, further investigation determined the ground water to be clean. The RWQCB and the LACDPW have recommended no further action and have closed the case. A low potential for environmental impact exists based on regulatory agency status for this reported incident.
Q	Thrifty Station #032 3981 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization is in progress	The LACDPW file was not available for review. A high potential for environmental impact exists based on type of operation.

Regulatory List Search Results

Brooklyn Avenue - With Metro Rail Yard Station/Alternative 9A (page 3 of 3)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
R	Shell Station 4411 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization is in progress	Soil contamination was detected in backfill material and was removed. Quarterly status reports submitted to the RWQCB since December 1990 have requested closure to the case. A low potential for environmental impact exists from this reported incident based on available information.
S	Calvary Cemetery 4201 Whittier Boulevard Los Angeles	LUST	Preliminary site assessment workplan has been submitted	Soil contamination was detected during UST removal procedures. The extent of the contamination has not been defined. A high potential for environmental impact exists based on the uncharacterized nature of the contamination.

Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
 Segment 3/MOS-3
 Regulatory List Search Results
 Identification Numbers Consecutive From West to East

Brooklyn Avenue - With Metro Rail Yard Station/Alternative 9B

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
A	Union Station 800 North Alameda Street Los Angeles	CERCLIS	Discovery 1	Site of a former gasification plant from 1870 to 1941. From 1943 to 1946, the plant produced butadiene gas. Waste products associated with gasification/butadiene production are polynuclear aromatic hydrocarbons, phenolics, heavy metals, light aromatic hydrocarbons, and sulfur and nitrogen compounds. Ground water and soil contamination by hazardous organic compounds were first discovered in 1986 by the California Department of Transportation. This site is also listed as the Southern California Gas Company Aliso Street Plant in the BEP. A very high potential for environmental impact exists based on the available information.
B	Southern California Gas Aliso Street Plant Located between Turner & Alhambra Streets Los Angeles	BEP	---	Former coal gasification facility. Waste products commonly referred to as polynuclear aromatic hydrocarbons or PNAHs or PAHs. These wastes were typically discharged to on site depressions or ponds and covered/paved over with the waste left in place. The main gas manufacturing operations were conducted within a 25 acre area north of the Santa Ana Freeway (formerly Aliso Street) and adjoining both sides of Macy Street. Contamination to both soil and ground water has been discovered in excavations crossing the site. This site is also listed on the CERCLIS as the Union Station site. A very high potential for environmental impact exists based on the available information.

Regulatory List Search Results

Brooklyn Avenue - With Metro Rail Yard Station/Alternative 9B (pages 2 of 3)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
H	La Mancha Development 3470 East Brooklyn Avenue, Los Angeles	LUST	Leak is being confirmed	An investigation is currently in progress. A vapor extraction system is operational to remove hydrocarbons from the soil. A map delineating the contamination plume showed the plume extending beneath Hicks Street. Ground water was not encountered to a depth of 75 feet below ground surface. A moderate potential for environmental impact exists based on the on-going remediation of location.
L	Evergreen Cemetery 3301 East 1st Street Los Angeles	LUST	Case closed	Soil contamination was detected during UST removal procedures. Free product was thought to have contaminated the ground water. However, further investigation determined the ground water to be clean. The RWQCB and the LACDPW have recommended no further action and have closed the case. A low potential for environmental impact exists based on regulatory agency status for this reported incident.
M	BASF Inmont Facility 590 South Santa Fe Avenue, Los Angeles	LUST	Implementation of a corrective action plan is in progress	Soil and ground water contamination has occurred at this facility. The contamination may have migrated off-site. There was no indication in the RWQCB file that the contamination plume has been fully characterized. During the first quarter of 1991, a review of the comprehensive site investigation report was being conducted by BASF and their consultants to determine subsequent courses of action. A very high potential for environmental impact exists based on the regulatory agency findings.
Q	Thrifty Station #032 3981 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization is in progress	The LACDPW file was not available for review. A high potential for environmental impact exists based on type of operation.

Regulatory List Search Results

Brooklyn Avenue - With Metro Rail Yard Station/Alternative 9B (pages 3 of 3)

ID. NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
R	Shell Station 4411 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization is in progress	Soil contamination was detected in backfill material and was removed. Quarterly status reports submitted to the RWQCB since December 1990 have requested closure to the case. A low potential for environmental impact exists from this reported incident based on available information.
S	Calvary Cemetery 4201 Whittier Boulevard Los Angeles	LUST	Preliminary site assessment workplan has been submitted	Soil contamination was detected during UST removal procedures. The extent of the contamination has not been defined. A high potential for environmental impact exists based on the uncharacterized nature of the contamination.

**Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
Segment 3/MOS-3**

**Regulatory List Search Results
Identification Numbers Consecutive From West to East**

Brooklyn/Whittier/College/Alternative10

ID. NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
A	Union Station 800 North Alameda Street Los Angeles	CERCLIS	Discovery 1	Site of a former gasification plant from 1870 to 1941. From 1943 to 1946, the plant produced butadiene gas. Waste products associated with gasification/butadiene production are polynuclear aromatic hydrocarbons, phenolics, heavy metals, light aromatic hydrocarbons, and sulfur and nitrogen compounds. Ground water and soil contamination by hazardous organic compounds were first discovered in 1986 by the California Department of Transportation. This site is also listed as the Southern California Gas Company Aliso Street Plant in the BEP. A very high potential for environmental impact exists based on the available information.
B	Southern California Gas Aliso Street Plant Located between Turner & Alhambra Streets Los Angeles	BEP	---	Former coal gasification facility. Waste products commonly referred to as polynuclear aromatic hydrocarbons or PNAs or PAHs. These wastes were typically discharged to on site depressions or ponds and covered/paved over with the waste left in place. The main gas manufacturing operations were conducted within a 25 acre area north of the Santa Ana Freeway (formerly Aliso Street) and adjoining both sides of Macy Street. Contamination to both soil and ground water has been discovered in excavations crossing the site. This site is also listed on the CERCLIS as the Union Station site. A very high potential for environmental impact exists based on the available information.

Regulatory List Search Results
 Brooklyn/Whittier/College/Alternative10 (page 2 of 5)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
C	Friedman Bag Company 801 Commercial Street Los Angeles	LUST	No action taken by the responsible party	Various fire code violations have been recorded with the LAFD. A 1985 Hazardous Materials Information Sheet states that flammable/combustible liquids, oils, thinners and 500-gallons of gasoline are present on the property. It is unknown if the gasoline is stored in an UST. A high potential for environmental impact exists based on the document review of this reported incident and the possible presence of UST.
D	A & H Greenfield Metal 830 East Commercial Street Los Angeles	CERCLIS	No further action	Site was a sheet metal shop from 1967 to 1984. During this time, drums of unknown contents were observed on the site. The site is currently owned by the Rapid Transit District. No evidence of hazardous waste disposal on site has been observed. A low potential for environmental impact exists based on the document review of this reported incident and the regulatory agency status.
E	Solaglas 415 North Mission Road Los Angeles	LUST	No action taken by the responsible party	According to the LAFD, Solaglas had an UST which contained 95% water and 5% gasoline. The UST was subsequently removed and soil sampling results indicated very minimal contamination. The LAFD required no further action regarding the case. A low potential for environmental impact exists based on the LAFD findings for this reported incident.
F	Raymond Rodriguez Property 1632 Brooklyn Avenue Los Angeles	LUST	Remediation plan has been submitted	During UST removal procedures in November 1987, soil contamination was discovered. Ground water was encountered at 34 bgs and appeared to be a perched zone; however, the case was referred to the RWQCB. According to the RWQCB, there is no file on this case. A high potential for environmental impact exists based on the uncharacterized nature of the contaminant plume.

Regulatory List Search Results
 Brooklyn/Whittier/College/Alternative 10 (page 3 of 5)

ID. NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
G	Shell Station 1900 East Brooklyn Avenue Los Angeles	LUST	Pollution characterization is in progress	An investigation is currently in progress. According to an April 1992 quarterly status report, over 4,000 pounds of hydrocarbons have been removed from the soil. Ground water has not been impacted and the LAFD has stated that no further action is necessary regarding a ground water investigation. A low potential of environmental impact exists based on the document review of this reported incident and the LAFD findings.
H	La Mancha Development 3470 East Brooklyn Avenue Los Angeles	LUST	No action taken by the responsible party	An investigation is currently in progress. A vapor extraction system is operational to remove hydrocarbons from the soil. A map delineating the contamination plume showed the plume extending beneath Hicks Street. Ground water was not encountered to a depth of 75 feet below ground surface. A moderate potential for environmental impact exists based on the on-going remediation of the location.
K	Shell Station 2291 South Atlantic Boulevard Monterey Park	LUST	Leak is being confirmed	Soil contamination has occurred on the property as a result of operating USTs. The contamination is located along the southern property line; however the extent of the contamination has not been defined. A high potential for environmental impact exists based on the uncharacterized nature of the contamination.
L	Evergreen Cemetery 3301 East 1st Street Los Angeles	LUST	Case closed	Soil contamination was detected during UST removal procedures. Free product was thought to have contaminated the ground water. However, further investigation determined the ground water to be clean. The RWQCB and the LACDPW have recommended no further action and have closed the case. A low potential for environmental impact exists based on the regulatory agency status for this reported incident.

Regulatory List Search Results
 Brooklyn/Whittier/College/Alternative10 (page 4 of 5)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
Q	Thrifty Station #032 3981 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization in progress	The LACDPW file was not available for review. A high potential for environmental impact exists based on type of operation.
R	Shell Station 4411 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization is in progress	Soil contamination was detected in backfill material and was removed. Quarterly status reports submitted to the RWQCB since December 1990 have requested closure to the case. A low potential for environmental impact exists for this reported incident based on the available information.
S	Calvary Cemetery 4201 Whittier Boulevard Los Angeles	LUST	Preliminary site assessment workplan has been submitted	Soil contamination was detected during UST removal procedures. The extent of the contamination has not been defined. A high potential for environmental impact exists based on the uncharacterized nature of the contamination.
V	Camino Real Chevrolet 2401 Atlantic Boulevard Monterey Park	LUST	Preliminary site assessment is underway	Soil contamination was detected during tank removal procedures. The extent of the contamination has not been defined. In November 1991, the LACDPW requested a proposal for additional work. A moderate potential for environmental impact exists based on the uncharacterized nature of the contamination.
W	Pronto marketing 401 S. Atlantic Boulevard Los Angeles	LUST	Preliminary site assessment is underway	According to LACDPW personnel, the file on this site is not available for public review due to the current litigation process. A high potential for environmental impact exists based on unavailable information.
X	R-Boys 99 Cents Store 601 Atlantic Boulevard Los Angeles	LUST	No action taken by the responsible party	Six USTs were removed from the property and the LACDPW granted final closure in March 1989. According to the LACDPW file, this site is listed in error on the RWQCB's LUST list. A low potential for environmental impact exists for this reported incident based on the regulatory agency findings.

Regulatory List Search Results
Brooklyn/Whittier/College/Alternative10 (page 5 of 5)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
Y	Freeway Ford 666 S. Atlantic Boulevard Los Angeles	LUST	Preliminary site assessment is underway	Approximately 70 cubic yards of contaminated soil have been removed from the site. Freeway Ford's consultant is requesting no further action to the site and closure from the LACDPW. A low potential for environmental impact exists for this reported incident based on the request for closure.

Los Angeles Metro Red Line/Eastern Extension Corridor Study Area
 Segment 3/MOS-3
 Regulatory List Search Results
 Identification Numbers Consecutive From West to East

Brooklyn/Whittier/College/Alternative10

ID. NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
A	Union Station 800 North Alameda Street Los Angeles	CERCLIS	Discovery 1	Site of a former gasification plant from 1870 to 1941. From 1943 to 1946, the plant produced butadiene gas. Waste products associated with gasification/butadiene production are polynuclear aromatic hydrocarbons, phenolics, heavy metals, light aromatic hydrocarbons, and sulfur and nitrogen compounds. Ground water and soil contamination by hazardous organic compounds were first discovered in 1986 by the California Department of Transportation. This site is also listed as the Southern California Gas Company Aliso Street Plant in the BEP. A very high potential for environmental impact exists based on the available information.
B	Southern California Gas Aliso Street Plant Located between Turner & Alhambra Streets Los Angeles	BEP	---	Former coal gasification facility. Waste products commonly referred to as polynuclear aromatic hydrocarbons or PNAs or PAHs. These wastes were typically discharged to on site depressions or ponds and covered/paved over with the waste left in place. The main gas manufacturing operations were conducted within a 25 acre area north of the Santa Ana Freeway (formerly Aliso Street) and adjoining both sides of Macy Street. Contamination to both soil and ground water has been discovered in excavations crossing the site. This site is also listed on the CERCLIS as the Union Station site. A very high potential for environmental impact exists based on the available information.

Regulatory List Search Results
 Brooklyn/Whittier/College/Alternative10 (page 2 of 5)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
C	Friedman Bag Company 801 Commercial Street Los Angeles	LUST	No action taken by the responsible party	Various fire code violations have been recorded with the LAFD. A 1985 Hazardous Materials Information Sheet states that flammable/combustible liquids, oils, thinners and 500-gallons of gasoline are present on the property. It is unknown if the gasoline is stored in an UST. A high potential for environmental impact exists based on the document review of this reported incident and the possible presence of UST.
D	A & H Greenfield Metal 830 East Commercial Street Los Angeles	CERCLIS	No further action	Site was a sheet metal shop from 1967 to 1984. During this time, drums of unknown contents were observed on the site. The site is currently owned by the Rapid Transit District. No evidence of hazardous waste disposal on site has been observed. A low potential for environmental impact exists based on the document review of this reported incident and the regulatory agency status.
E	Solaglas 415 North Mission Road Los Angeles	LUST	No action taken by the responsible party	According to the LAFD, Solaglas had an UST which contained 95% water and 5% gasoline. The UST was subsequently removed and soil sampling results indicated very minimal contamination. The LAFD required no further action regarding the case. A low potential for environmental impact exists based on the LAFD findings for this reported incident.
F	Raymond Rodriguez Property 1632 Brooklyn Avenue Los Angeles	LUST	Remediation plan has been submitted	During UST removal procedures in November 1987, soil contamination was discovered. Ground water was encountered at 34 bgs and appeared to be a perched zone; however, the case was referred to the RWQCB. According to the RWQCB, there is no file on this case. A high potential for environmental impact exists based on the uncharacterized nature of the contaminant plume.

Regulatory List Search Results
 Brooklyn/Whittier/College/Alternative 10 (page 3 of 5)

ID. NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
G	Shell Station 1900 East Brooklyn Avenue Los Angeles	LUST	Pollution characterization is in progress	An investigation is currently in progress. According to an April 1992 quarterly status report, over 4,000 pounds of hydrocarbons have been removed from the soil. Ground water has not been impacted and the LAFD has stated that no further action is necessary regarding a ground water investigation. A low potential of environmental impact exists based on the document review of this reported incident and the LAFD findings.
H	La Mancha Development 3470 East Brooklyn Avenue Los Angeles	LUST	No action taken by the responsible party	An investigation is currently in progress. A vapor extraction system is operational to remove hydrocarbons from the soil. A map delineating the contamination plume showed the plume extending beneath Hicks Street. Ground water was not encountered to a depth of 75 feet below ground surface. A moderate potential for environmental impact exists based on the on-going remediation of the location.
K	Shell Station 2291 South Atlantic Boulevard Monterey Park	LUST	Leak is being confirmed	Soil contamination has occurred on the property as a result of operating USTs. The contamination is located along the southern property line; however the extent of the contamination has not been defined. A high potential for environmental impact exists based on the uncharacterized nature of the contamination.
L	Evergreen Cemetery 3301 East 1st Street Los Angeles	LUST	Case closed	Soil contamination was detected during UST removal procedures. Free product was thought to have contaminated the ground water. However, further investigation determined the ground water to be clean. The RWQCB and the LACDPW have recommended no further action and have closed the case. A low potential for environmental impact exists based on the regulatory agency status for this reported incident.

Regulatory List Search Results
 Brooklyn/Whittier/College/Alternative10 (page 4 of 5)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
Q	Thrifty Station #032 3981 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization in progress	The LACDPW file was not available for review. A high potential for environmental impact exists based on type of operation.
R	Shell Station 4411 E. Whittier Boulevard Los Angeles	LUST	Pollution characterization is in progress	Soil contamination was detected in backfill material and was removed. Quarterly status reports submitted to the RWQCB since December 1990 have requested closure to the case. A low potential for environmental impact exists for this reported incident based on the available information.
S	Calvary Cemetery 4201 Whittier Boulevard Los Angeles	LUST	Preliminary site assessment workplan has been submitted	Soil contamination was detected during UST removal procedures. The extent of the contamination has not been defined. A high potential for environmental impact exists based on the uncharacterized nature of the contamination.
V	Camino Real Chevrolet 2401 Atlantic Boulevard Monterey Park	LUST	Preliminary site assessment is underway	Soil contamination was detected during tank removal procedures. The extent of the contamination has not been defined. In November 1991, the LACDPW requested a proposal for additional work. A moderate potential for environmental impact exists based on the uncharacterized nature of the contamination.
W	Pronto marketing 401 S. Atlantic Boulevard Los Angeles	LUST	Preliminary site assessment is underway	According to LACDPW personnel, the file on this site is not available for public review due to the current litigation process. A high potential for environmental impact exists based on unavailable information.
X	R-Boys 99 Cents Store 601 Atlantic Boulevard Los Angeles	LUST	No action taken by the responsible party	Six USTs were removed from the property and the LACDPW granted final closure in March 1989. According to the LACDPW file, this site is listed in error on the RWQCB's LUST list. A low potential for environmental impact exists for this reported incident based on the regulatory agency findings.

Regulatory List Search Results
Brooklyn/Whittier/College/Alternative10 (page 5 of 5)

ID NO.	SITE/LOCATION	REGULATORY LIST	STATUS	SUMMARY
Y	Freeway Ford 666 S. Atlantic Boulevard Los Angeles	LUST	Preliminary site assessment is underway	Approximately 70 cubic yards of contaminated soil have been removed from the site. Freeway Ford's consultant is requesting no further action to the site and closure from the LACDPW. A low potential for environmental impact exists for this reported incident based on the request for closure.