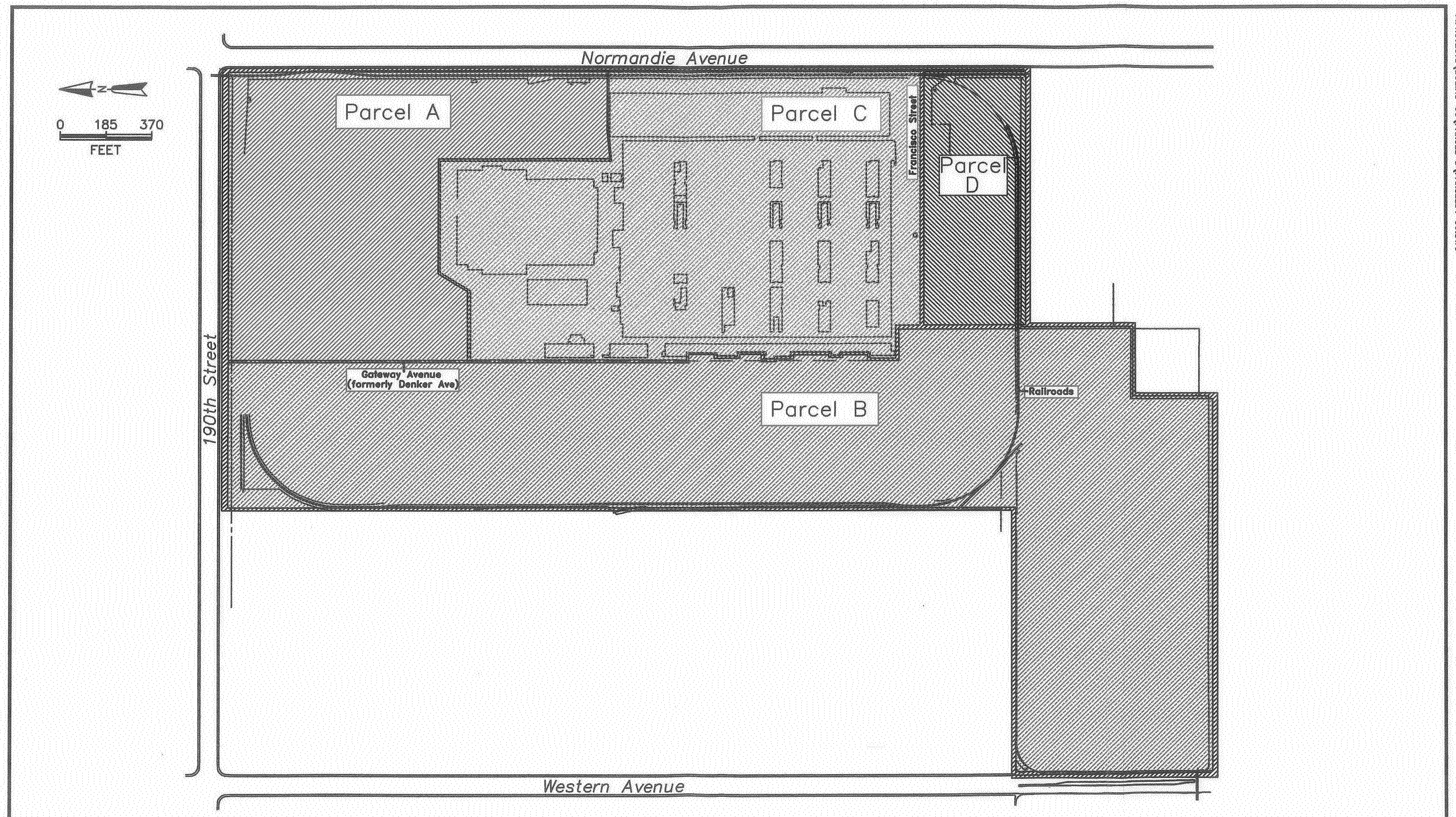
1. INTRODUCTION

This report presents the approach, methods, and results of the Site Investigation and Excavation program conducted at Parcel D of the Boeing C-6 facility in Los Angeles, California. The site sampling was conducted in June and soil excavation in July 1999.

The 170-acre C-6 facility (Figure 1-1) has been used in the manufacture, storage and distribution of aircraft parts and components for over 45 years. Although storage and distribution operations are still active in the eastern portion of the facility, the northeastern, western and southern portions of the property are being redeveloped for commercial use. As shown in Figure 1-2, the site has been divided into four parcels.

FIGURE 1-1
C-6 FACILITY AND VICINITY



F:PROJECTS\BOEING-C6\PARCEL-D\PARCELS4-99.DWG

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TITLE:
Parcel Delineation
Boeing C-6 Facility
Los Angeles, CA

DWN: JDL	DES.: JDL	PROJECT NO.: BOC6/PARD
CHKD: JPO	APPR: JSB	FIGURE NO.: 1-2
DATE: 9/7/99	REV.: 1	

BOE-C6-0236145

Redevelopment of the northeastern portion of the property, Parcel A, began in 1996 and is ongoing. Boeing sold this parcel in December 1998. Redevelopment of the western portion, Parcel B, began in 1998 and is ongoing. Parcel C occupies the eastern portion of the property and the majority will be redeveloped at a later date. However, because the southernmost portion of Parcel C has historically been used for parking and outdoor storage, and because the area has recently become available for redevelopment, this area has been divided into a separate parcel, and referred to as Parcel D. As mentioned, the focus of this report is the 9-acre Parcel D.

Phase I environmental assessments have been conducted for all parcels comprising the C-6 facility (CDM 1991a, K/J 1996a, b, c), and Phase II soil investigations have been conducted for the two parcels currently undergoing redevelopment (CDM 1991b, K/J 1997 and 1998). It is important to note that for Parcels A and B, the environmental investigations and remediation of surface soils (top 12 feet) are complete. In April 1998, a No Further Action certification for Parcel A was issued by the California Environmental Protection Agency (Cal/EPA), Department of Toxic Substances Control (DTSC) and Regional Water Quality Control Board (RWQCB). A certification for Parcel B is expected by October 1999.

A sampling and analysis plan (SAP) was prepared for the Parcel D site investigation (IESI 1999e) and was approved by the Los Angeles RWQCB, the lead regulatory agency for the site (RWQCB 1999b).

1.1 Sampling Objectives

The objectives of the Parcel D sampling and analysis program were to characterize soil conditions, support future remediation (if deemed necessary), and support a post-demolition risk assessment of potential health risks to future users of the redeveloped parcel. These objectives were accomplished through the data quality objectives (DQOs) established for this project:

- Identify and delineate potential source areas as they relate to former operations.
- Develop sufficient data to support potential remediation.

- Evaluate the horizontal extent and vertical depth of impacted soil to facilitate the post-demolition risk assessment.

1.2 DOCUMENT ORGANIZATION

This report has been organized into eight sections and six appendices.

Section 1, *Introduction*, gives the purpose and organization of the report.

Section 2, *Site Description*, describes the areas of Parcel D that were sampled during the site investigation.

Section 3, *Site Investigation Program*, discusses the sampling approach, indicating where the soil samples were collected and the rationale for collecting the samples. The chemical analyses performed are also presented.

Section 4, *Soil Sampling and Analytical Methods*, describes the soil sampling program and analytical methods implemented during the site investigation.

Section 5, *Site Investigation Findings*, presents the findings of the site investigation and discusses the results.

Section 6, *Excavation Program*, presents the soil excavation and disposal activities.

Section 7, *Conclusions*, presents conclusions drawn from the site investigation findings and excavation activities.

Section 8, *References*, lists the documentation cited in this report.

Appendix A, *Site Geology and Soil Boring Logs*, presents the site geologist's observations, field investigation daily reports, and boring logs from the site investigation.

Appendix B, *Health-Based Remediation Goals*, presents the internally developed and self-imposed health-based remediation goals for the site. These conservative values have been used for screening purposes only, to identify areas of potential concern. They do not represent final cleanup levels.

Appendices C, D, and E present the laboratory reports for the site investigation, arsenic delineation, and arsenic excavation confirmation sampling, respectively.

Appendix F presents the laboratory reports for the air monitoring samples collected during the excavation activities.