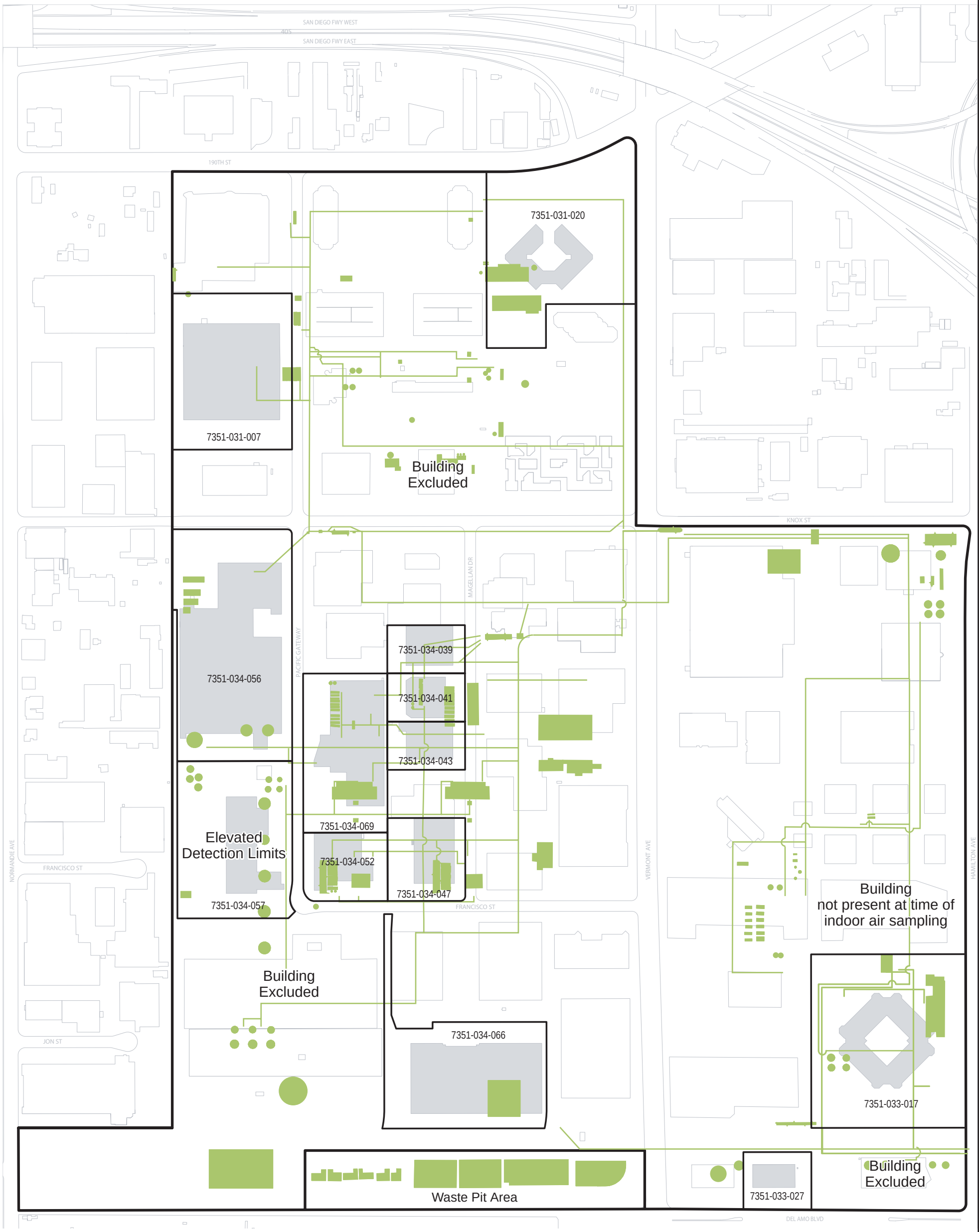
T:\Ladd\Del Amo\1203-240



Note: Indoor air data collected between 1993 and 1995

Legend

Former rubber plant facilities and features evaluated as part of the RI

7351-034-041

Parcel with building where workplace air monitoring was conducted

N

0 400 800

Scale in Feet

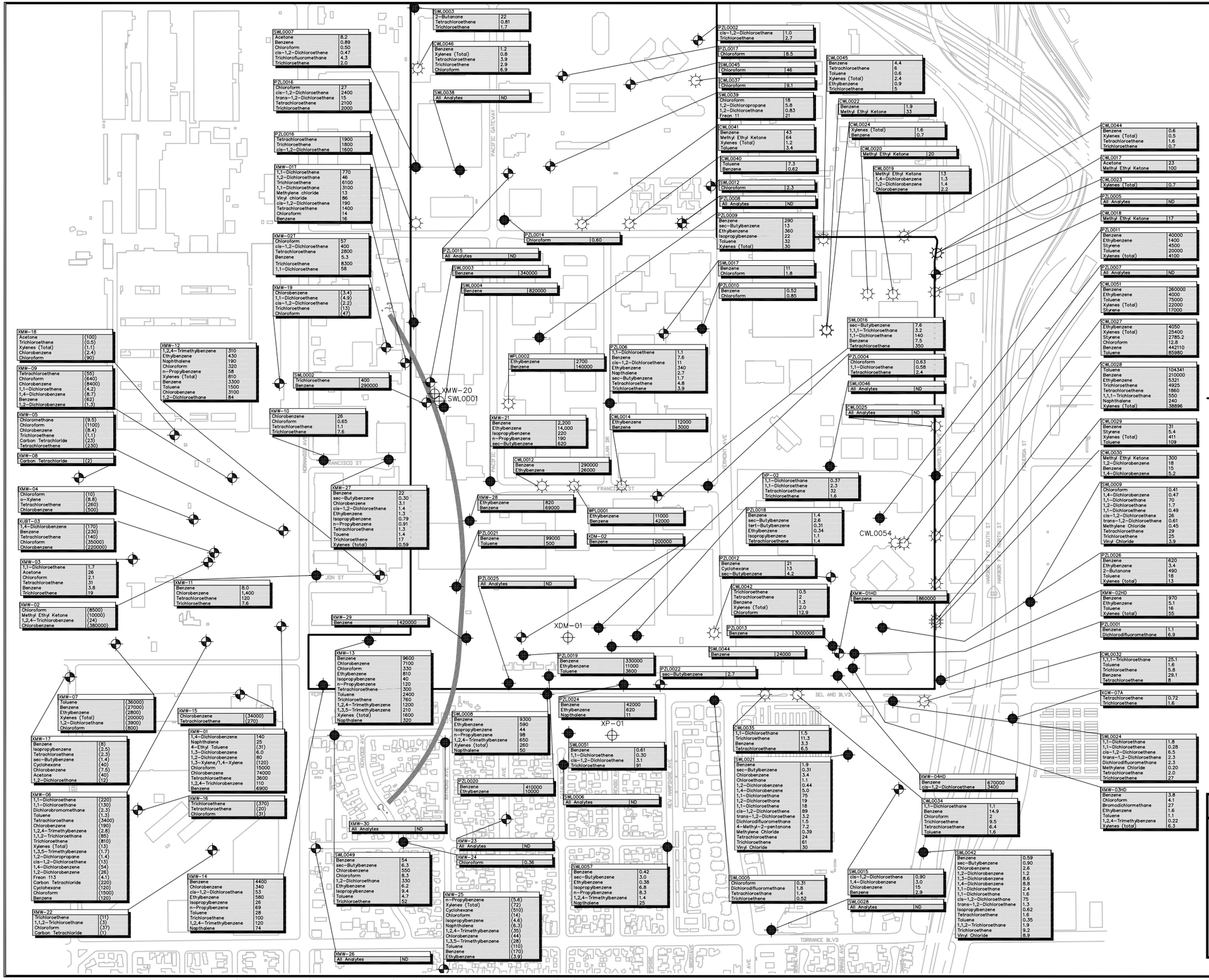
FIGURE 53

INDOOR AIR MONITORING LOCATIONS

Soil and NAPL RI

Del Amo Superfund Site

URS



EXPLANATION

Monitoring location with 2000 VOC concentrations

XMW-29
Benzene 420000

Monitoring location with historical VOC concentrations (2000 data not available)

SWL0045
Chloroform 46

Temporary well point with one-time historical data (2000 data not available)

CWL0025
All Analytes ND

Monitoring location where VOCs were not analyzed for

Inferred intersection of water table surface with top of middle Bellflower B sand. The overlying upper Bellflower aquitard is unsaturated west of the inferred intersection.

NOTE: Data collected by Hargis + Associates for Montrose monitoring program in parentheses.

FIGURE 54

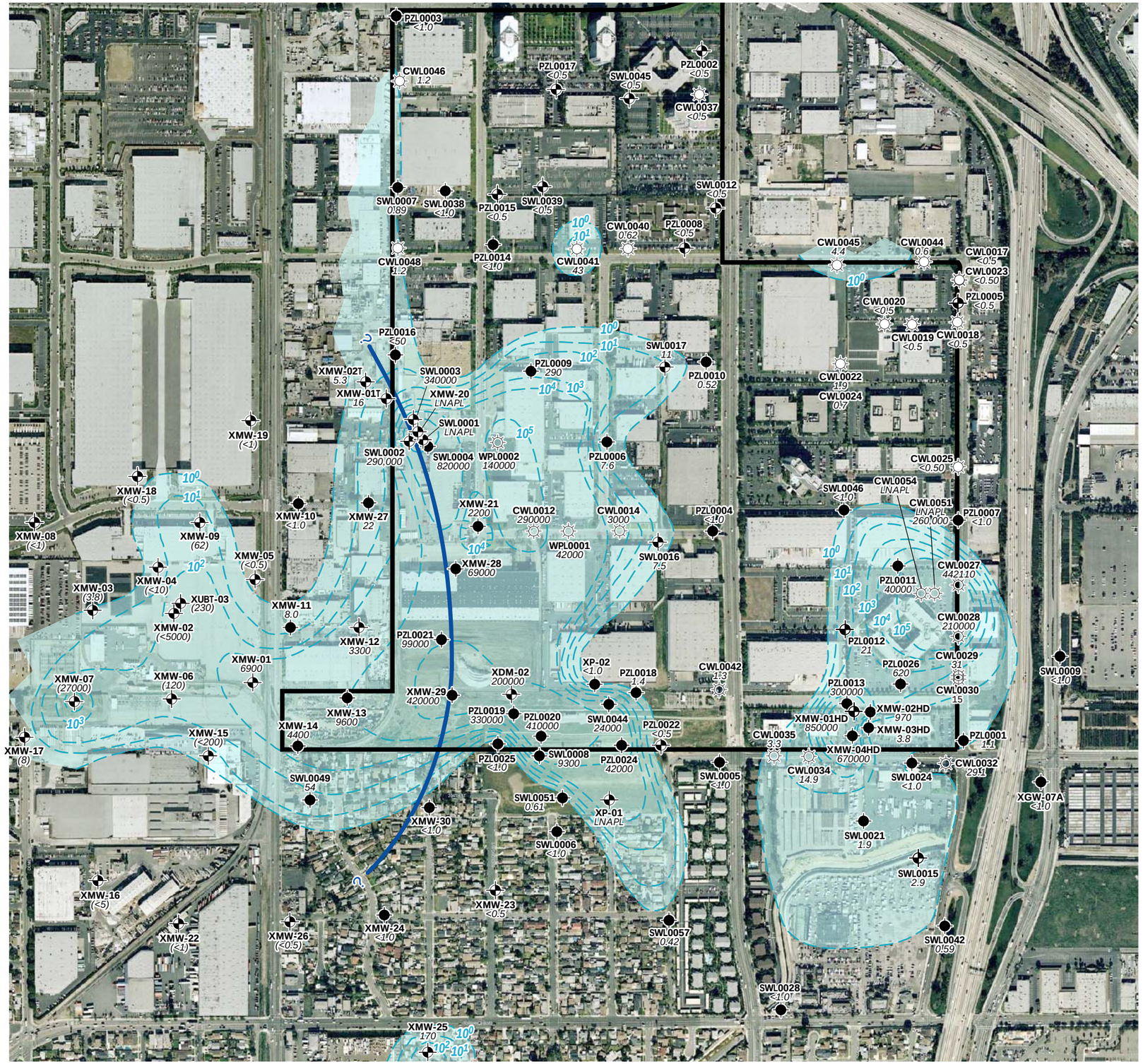
VOC Concentrations Water Table Zone

URS

Soil and NAPL RI
Del Amo Superfund Site

T:\Del_amo\2006\VOC in water\an00wv-new.dwg (derived from S:\+curran\del_amo\tasks\2000ann\an00wv.dwg) 6/28/07

T:\Ladd\DelAmo\204-030



N

0 600 1200

Scale in Feet

Source: AirPhotoUSA dated February 2006

Legend

SWL0004 820000	Groundwater monitoring location with 2000 benzene concentrations (µg/L)
SWL0001 LNAPL	Groundwater monitoring location where LNAPL is present
XMW-04HD 670000	Groundwater monitoring location with historical benzene concentration (µg/L; 2000 data not available)
CWL0027 442110	Temporary well point with historical benzene concentration (µg/L; 2000 data not available)
	Approximate extent of dissolved benzene plume (≥1 µg/L)
10^3	Benzene concentration isopleth (µg/L)
	Inferred intersection of water table surface with top of middle Bellflower B sand. The overlying upper Bellflower aquitard is unsaturated west of the inferred intesection.

NOTE: Data collected by Hargis + Associates for Montrose monitoring program in parentheses.

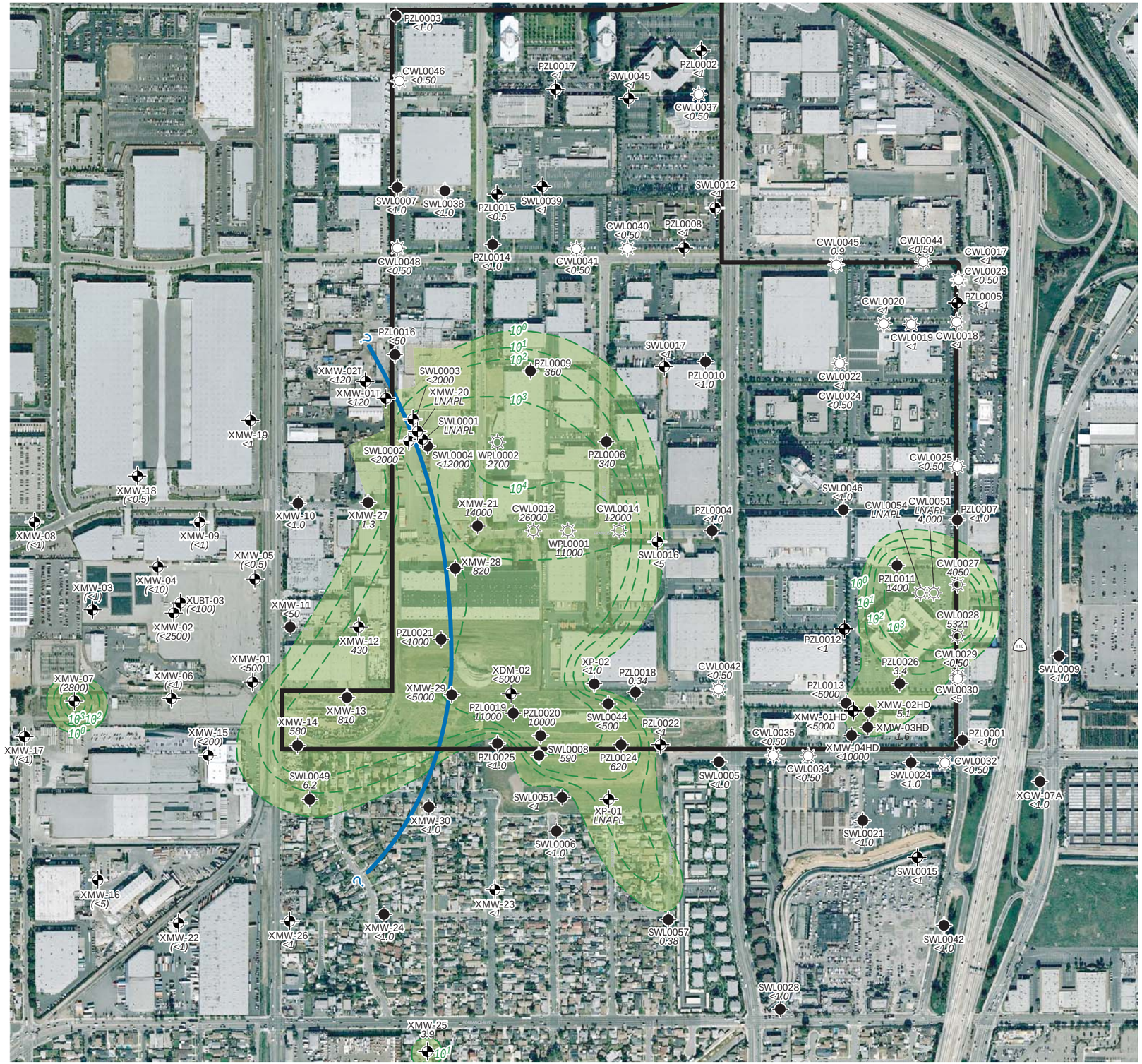
FIGURE 55

DISSOLVED BENZENE CONCENTRATIONS WATER TABLE ZONE

Soil and NAPL RI
Del Amo Superfund Site

URS

T:\Ladd\DelAmo\204-032



0 600 1200

Scale in Feet

Source: AirPhotoUSA dated February 2006

Legend

XMW-28 820	Groundwater monitoring location with 2000 ethylbenzene concentrations (µg/L)
SWL0001 LNAPL	Groundwater monitoring location where LNAPL is present
XMW-12 430	Groundwater monitoring location with historical ethylbenzene concentration (µg/L)
CWL0012 26000	Temporary well point with historical ethylbenzene concentration (µg/L)
	Approximate extent of dissolved ethylbenzene plume (>_1 µg/L)
10^3	Ethylbenzene concentration isopleth (µg/L)
	Inferred intersection of water table surface with top of middle Bellflower B sand. The overlying upper Bellflower aquitard is unsaturated west of the inferred intesection.

NOTE: Data collected by Hargis + Associates for Montrose monitoring program in parentheses.

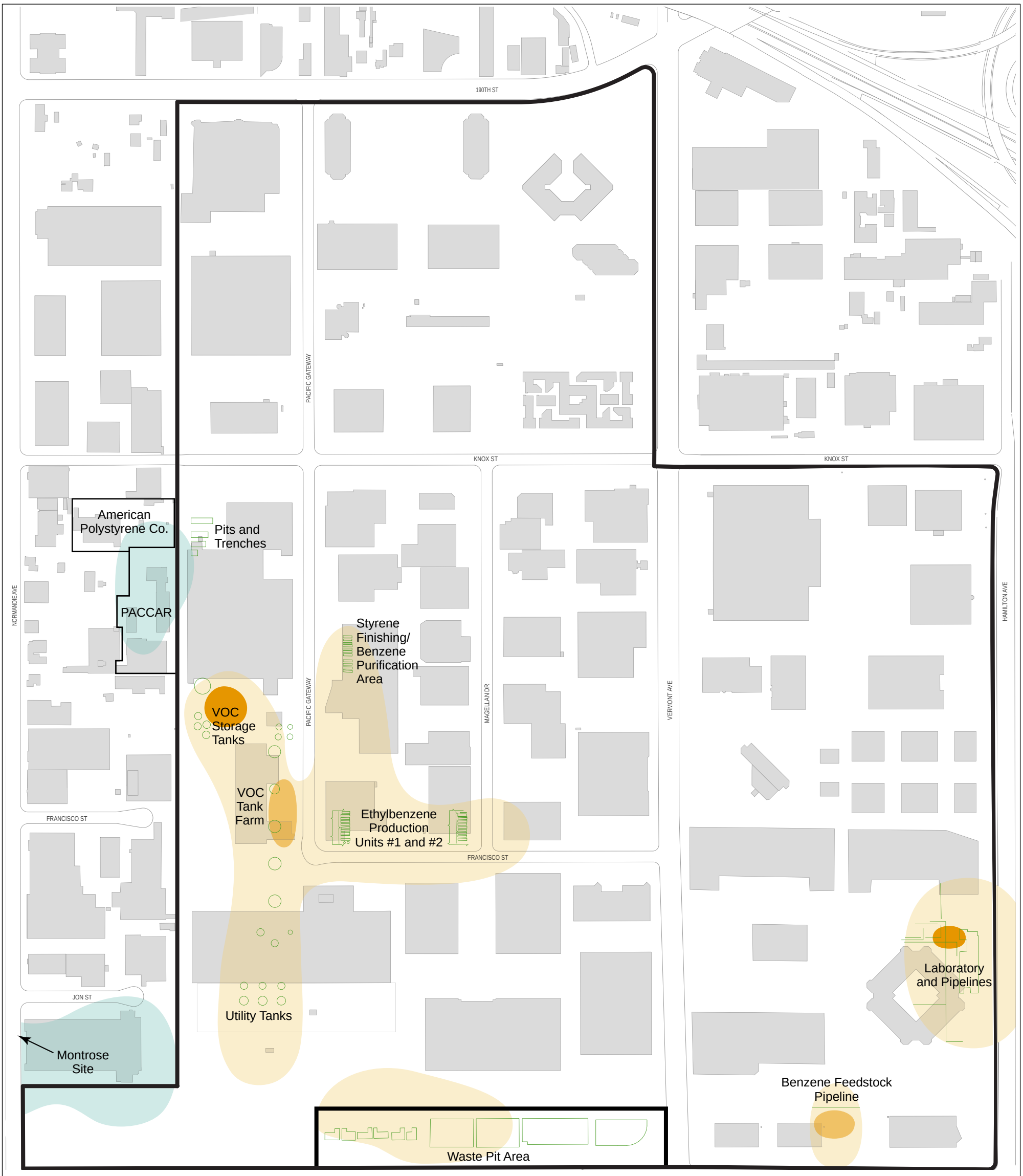
FIGURE 56

DISSOLVED ETHYLBENZENE CONCENTRATIONS WATER TABLE ZONE

Soil and NAPL RI
Del Amo Superfund Site

URS

T:\Ladd\DelAmo\703-169



0 400 800

Scale in Feet

Legend

- Area where DNAPL is potentially present based on dissolved TCE and/or PCE concentrations in excess of 1% of their respective solubilities within the water table zone
- Area where LNAPL has not been observed, but could potentially be present based on dissolved concentrations of benzene and/or ethylbenzene in excess of 5% of their respective solubilities within the water table zone
- Area where LNAPL has been observed at residual saturations, but has not accumulated within a water table monitoring well or temporary well point
- Area where visible LNAPL accumulations occur within one or more water table monitoring wells or temporary well points
- Historical rubber plant VOC facilities that may be associated with NAPL

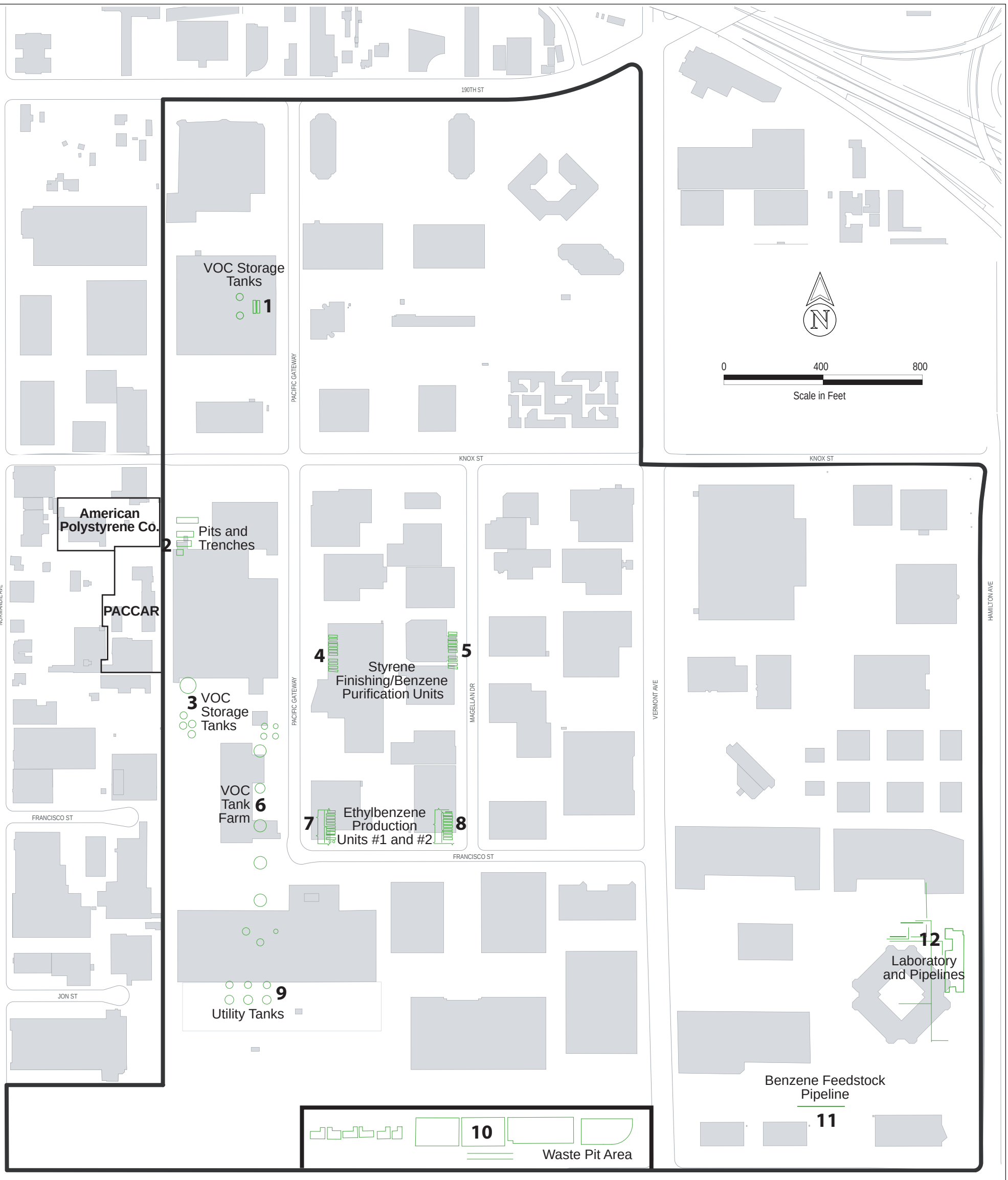
FIGURE 57

POTENTIAL AND KNOWN NAPL AREAS

Soil and NAPL RI
Del Amo Superfund Site

URS

T:\Ladd\DelAmo\104-028A



Source Area Number	Plancor	Suspected Source Facility	Primary Contaminants	NAPL?
1	Copolymer	VOC storage tanks	Cyclohexane	Unlikely
2	Copolymer	Off-site properties to west	TCE, PCE	Potential DNAPL
3	Styrene	VOC tanks	Benzene	LNAPL accumulation
4	Styrene	Styrene finishing/benzene purification unit	Benzene, cyclohexane	Potential LNAPL
5	Styrene	Styrene finishing/benzene purification unit	BTEX, styrene	Unlikely
6	Styrene	VOC tank farm	Benzene, ethylbenzene	Residual LNAPL
7	Styrene	Ethylbenzene production units #1 and #2	Benzene, ethylbenzene	Potential LNAPL
8	Styrene	Ethylbenzene production unit #1 and #2	Benzene, ethylbenzene	Potential LNAPL
9	Styrene	Utility tanks	Benzene, toluene	Potential LNAPL
10	Styrene	Waste pit area	BTEX	Potential LNAPL
11	Butadiene	Benzene feedstock pipeline	Benzene	Residual LNAPL
12	Butadiene	Laboratory and pipelines	BTEX, styrene	LNAPL accumulation

Legend

Historical rubber plant facilities inferred to be associated with groundwater contamination source area

FIGURE 58

GROUNDWATER CONTAMINATION SOURCE AREAS

Soil and NAPL RI
Del Amo Superfund Site

URS

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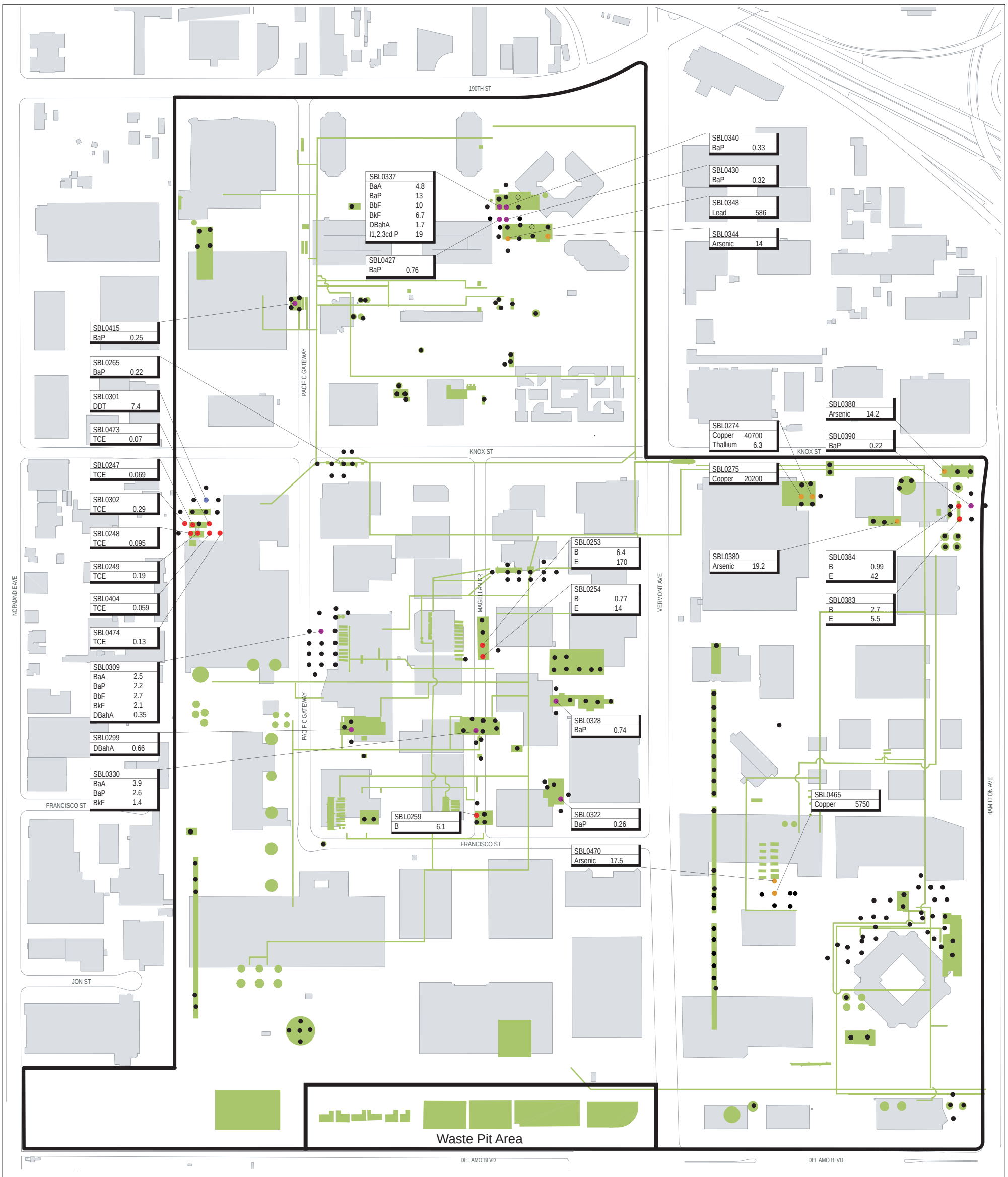


Legend

Abbr.	Compound
B	benzene
BaA	benzo (a) anthracene
BaP	benzo (a) pyrene
BbF	benzo (b) fluoranthene
BkF	benzo (k) fluoranthene
DDT	dichlorodiphenyltrichloroethane
DBahA	dibenzo (a,h,) anthracene
E	ethylbenzene
I1,2,3-cdP	indeno (1,2,3-cd) pyrene
TCE	trichloroethene

- Sampling location where one or more VOCs were detected in excess of screening criteria
- Sampling location where one or more PAHs were detected in excess of screening criteria
- Sampling location where one or more pesticides were detected in excess of screening criteria
- Sampling location where one or more metals were detected at concentrations in excess of screening criteria.
- Sampling location for which detected concentrations are all less than screening criteria
- Sampling location which was inaccessible. No data available

SBL0275
BaP 6.1

Concentrations (mg/kg) of compounds detected in excess of screening criteria. See Table 4 for compound specific screening criteria.

Existing Buildings

Former rubber plant facilities and features evaluated as part of the RI

0 400 800
Scale in Feet

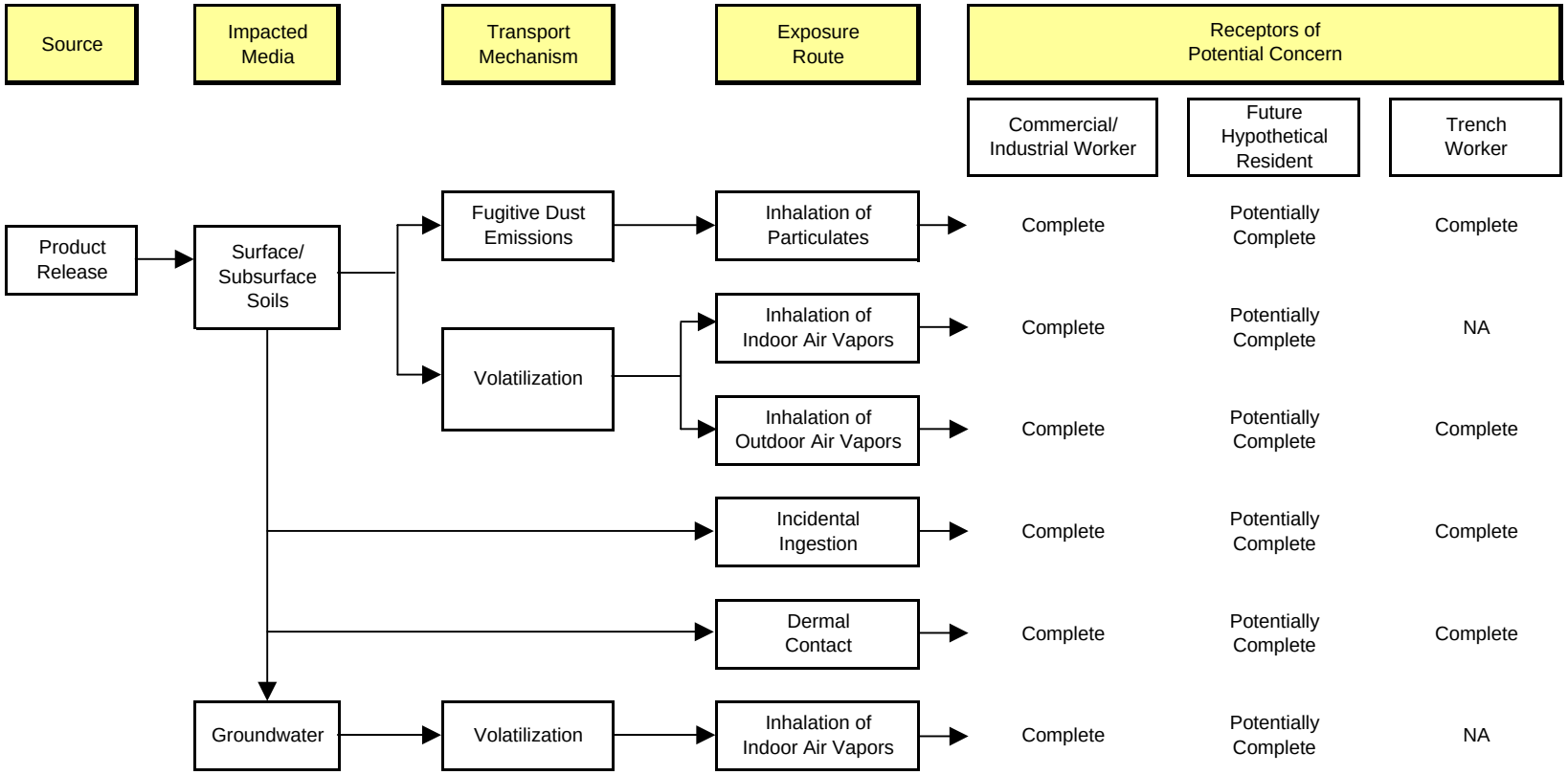
FIGURE 59

2003 ADDENDUM INVESTIGATION SAMPLING LOCATIONS

Soil and NAPL RI
Del Amo Superfund Site

URS

FIGURE 60
CONCEPTUAL SITE MODEL
SOIL AND NAPL RI
DEL AMO SUPERFUND SITE



"NA" Not Applicable