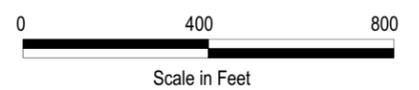


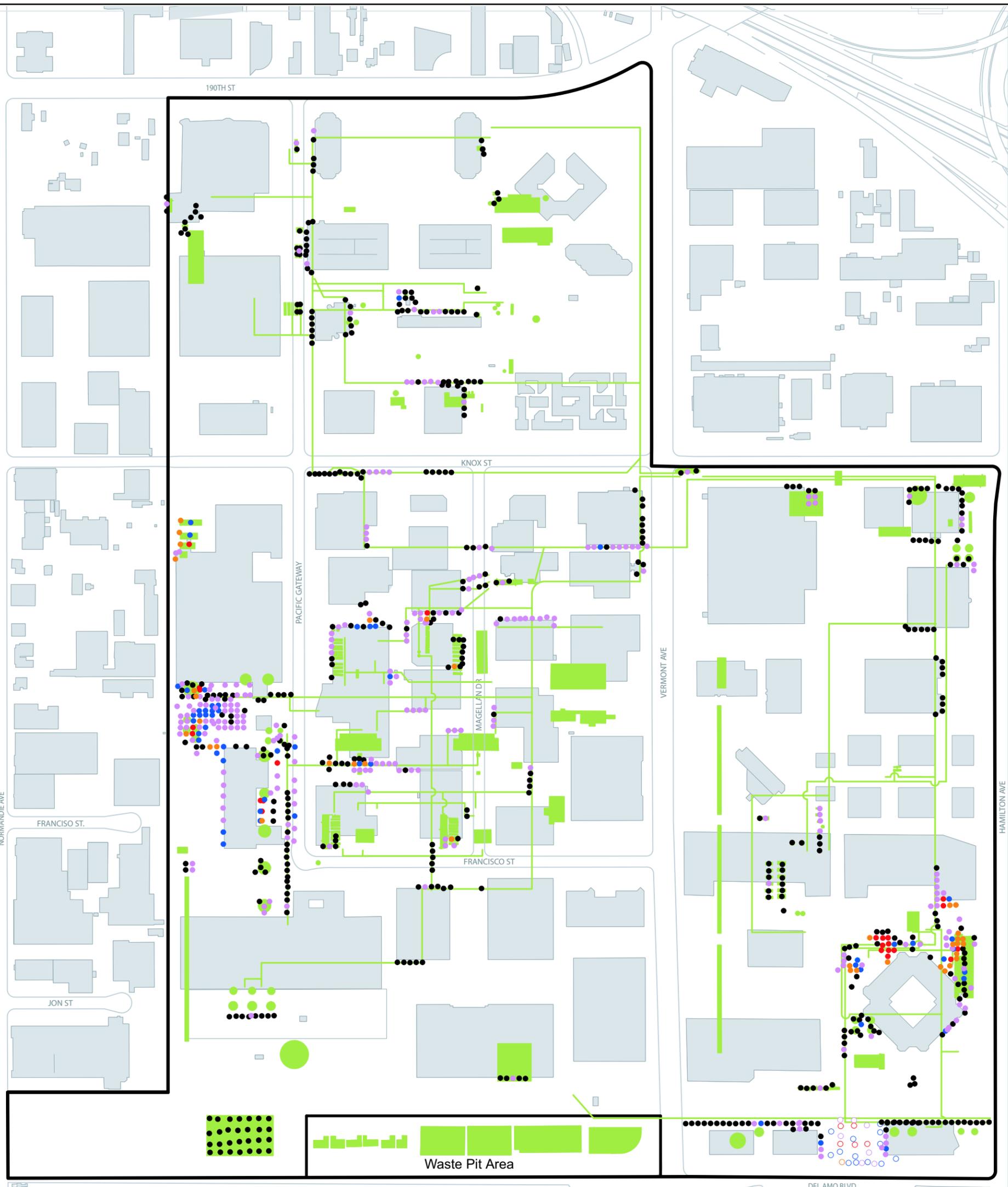
Note: RI and non-RI shallow soil gas sampling completed between 1991 and 1997



Legend

- RI shallow soil gas sampling location
- Shallow soil gas sampling location where one or more VOC concentrations exceeded threshold criteria
- Non-RI shallow soil gas sampling location
- Current building footprint
- Former rubber plant facilities and features evaluated as part of the RI

FIGURE 25
SHALLOW SOIL GAS SAMPLING LOCATIONS WITH THRESHOLD EXCEEDANCES
 Soil and NAPL RI
 Del Amo Superfund Site
URS



Note: RI and non-RI shallow soil gas sampling completed between 1991 and 1997

Legend

- Filled symbol represents RI/FS location;
Open symbol represents non-RI/FS location
- ○ Shallow soil gas sampling location where total VOCs were not detected
- ○ Shallow soil gas sampling location where total VOCs were detected at a concentration of <5 ppmv
- ○ Shallow soil gas sampling locations where total VOCs were detected at a concentration of ≥5 ppmv but <50 ppmv
- ○ Shallow soil gas sampling locations where total VOCs were detected at concentrations of ≥50 ppmv but <500 ppmv
- ○ Shallow soil gas sampling locations where total VOCs were detected at a concentration of ≥500 ppmv
- Current building footprint
- Former rubber plant facilities and features evaluated as part of the RI

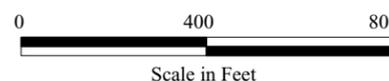
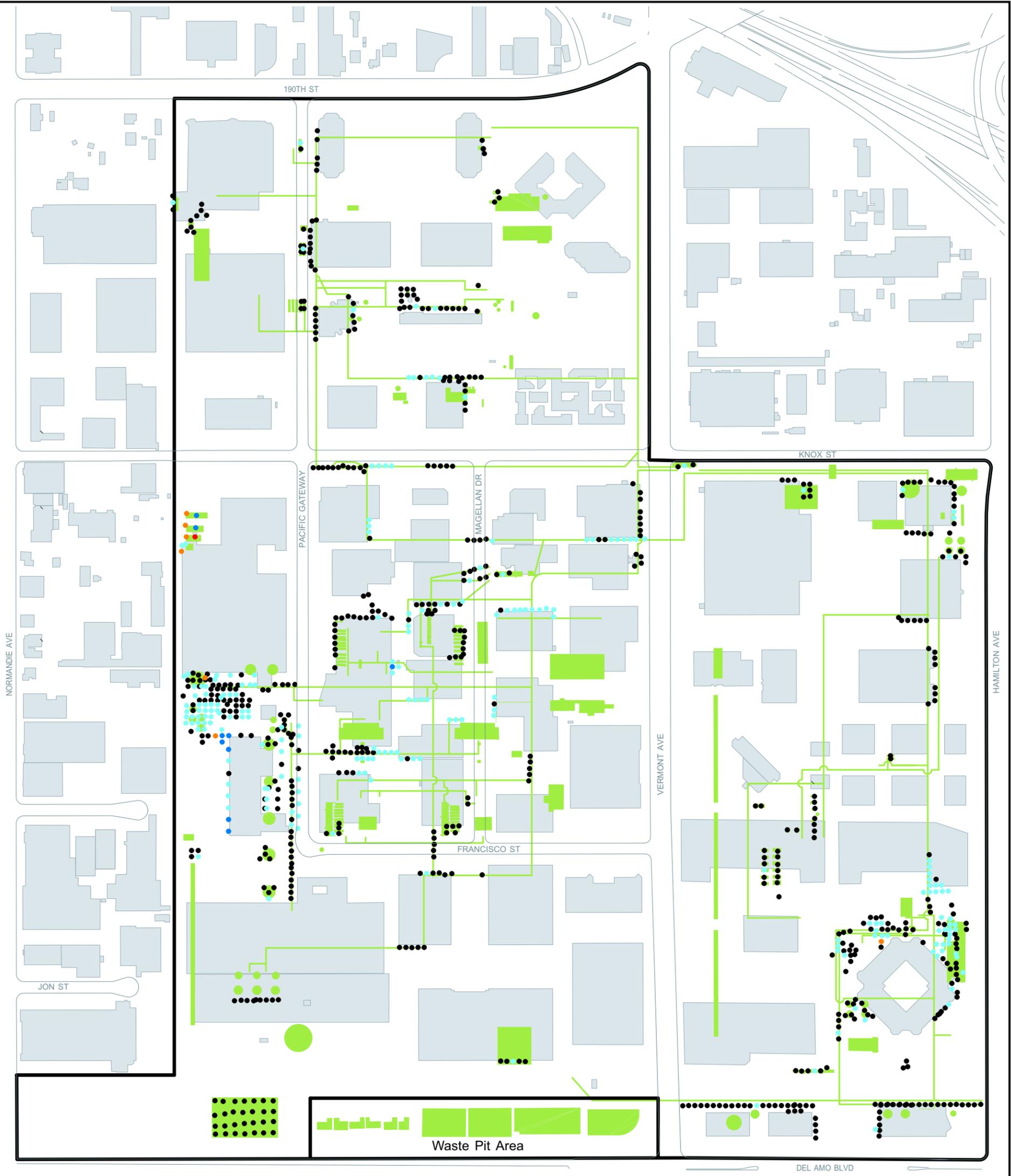


FIGURE 26
TOTAL VOC CONCENTRATIONS
AT SHALLOW SOIL GAS
SAMPLING LOCATIONS
 Soil and NAPL RI
 Del Amo Superfund Site





Note: RI and non-RI shallow soil gas sampling completed between 1991 and 1997

Legend

- Shallow soil gas sampling location where chlorinated VOCs were not detected
- Shallow soil gas sampling location where chlorinated VOCs were detected at a concentration of <5 ppmv
- Shallow soil gas sampling location where chlorinated VOCs were detected at a concentration of ≥5 but <50 ppmv
- Shallow soil gas sampling location where chlorinated VOCs were detected at a concentration of ≥50 but <500 ppmv
- Shallow soil gas sampling location where chlorinated VOCs were detected at a concentration of ≥500 ppmv
- Current building footprint
- Former rubber plant facilities and features evaluated as part of the RI

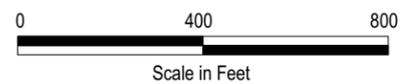
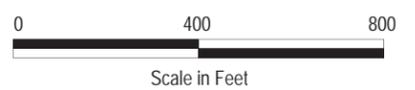


FIGURE 27
TOTAL CHLORINATED VOC CONCENTRATIONS IN SHALLOW SOIL GAS
 Soil and NAPL RI
 Del Amo Superfund Site
URS



Note: Pipeline soil gas sampling completed between 1994 and 1995



Legend

- Shallow soil gas "non-priority" sampling location where all detected VOC concentrations are <5 ppmv
- Shallow soil gas non-priority sampling location where one or more detected VOC concentrations are >~5 ppmv
- Former pipeline/trench that may have transported dilute VOC solutions
- Former pipeline for transport of benzene feedstock
- Current building footprint

FIGURE 28
**NON-PRIORITY PIPELINE & TRENCH
 TRANSMISSION SYSTEM
 SHALLOW SOIL GAS SAMPLING
 LOCATIONS**
 Soil and NAPL RI
 Del Amo Superfund Site

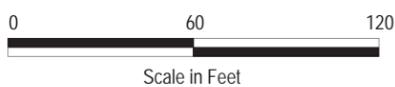




PACIFIC GATEWAY

Legend

- SGL0034** (15,867) ● Soil gas sample location and number with total VOC concentration (ppmv)
- MW-21** ● Monitoring well location
- Former above-ground storage tank
 B = Benzene
 E = Ethylbenzene
 S = Styrene
 T = Toluene
- Current building footprint



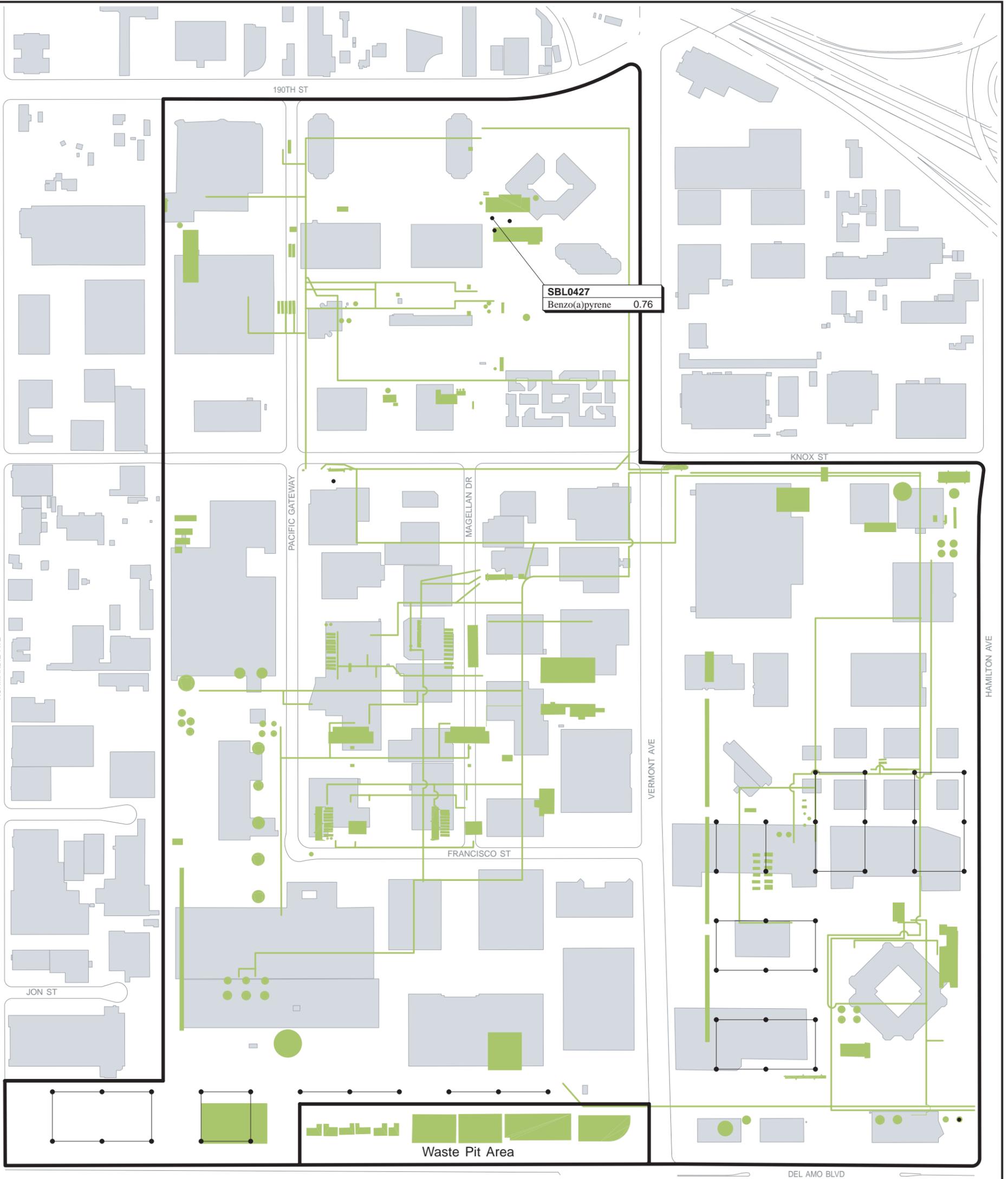
Note: Soil gas samples collected at depths ranging from 47 to 59 feet below ground surface
 Deep soil gas sampling completed in 1992

FIGURE 29

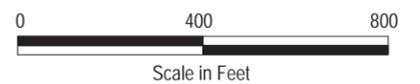
TOTAL VOC CONCENTRATIONS IN DEEP SOIL GAS SAMPLES

Soil and NAPL RI
 Del Amo Superfund Site





Note: Data collected between 1993 and 2003



Legend

- RI surface soil sampling location where SVOCs/PAHs were analyzed
- Composite RI surface soil sampling location where SVOCs/PAHs were analyzed
- SBL0427
Benzo(a)pyrene 0.76 Detected SVOC/PAH concentrations (mg/kg) that exceed screening criteria at the indicated location
- Current building footprint
- Former rubber plant facilities and features evaluated as part of the RI

FIGURE 30
**SVOC/PAH SAMPLING
 LOCATIONS IN SURFACE SOIL**
 Soil and NAPL RI
 Del Amo Superfund Site



Note: Data collected in 1993

Legend

- RI surface soil sampling location where Pesticides/PCBs were analyzed
- Non-RI surface soil sampling location where Pesticides/PCBs were analyzed
- Composite RI surface soil sampling location where Pesticides/PCBs were analyzed
- | |
|---------------|
| SSL0007-0010 |
| 4, 4' DDT 4.2 |

 Detected Pesticides/PCBs concentrations (mg/kg) that exceed screening criteria at the indicated location
- Current building footprint
- Former rubber plant facilities and features evaluated as part of the RI

Abbreviations

- DDD dichlorodiphenyldichloroethane
- DDE dichlorodiphenyldichloroethylene
- DDT dichlorodiphenyltrichloroethane

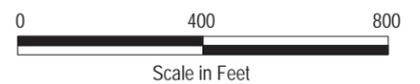
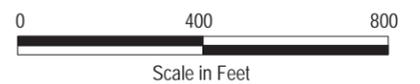


FIGURE 31
PESTICIDE/PCB SAMPLING LOCATIONS IN SURFACE SOIL
 Soil and NAPL RI
 Del Amo Superfund Site



Note: Data collected in 1993

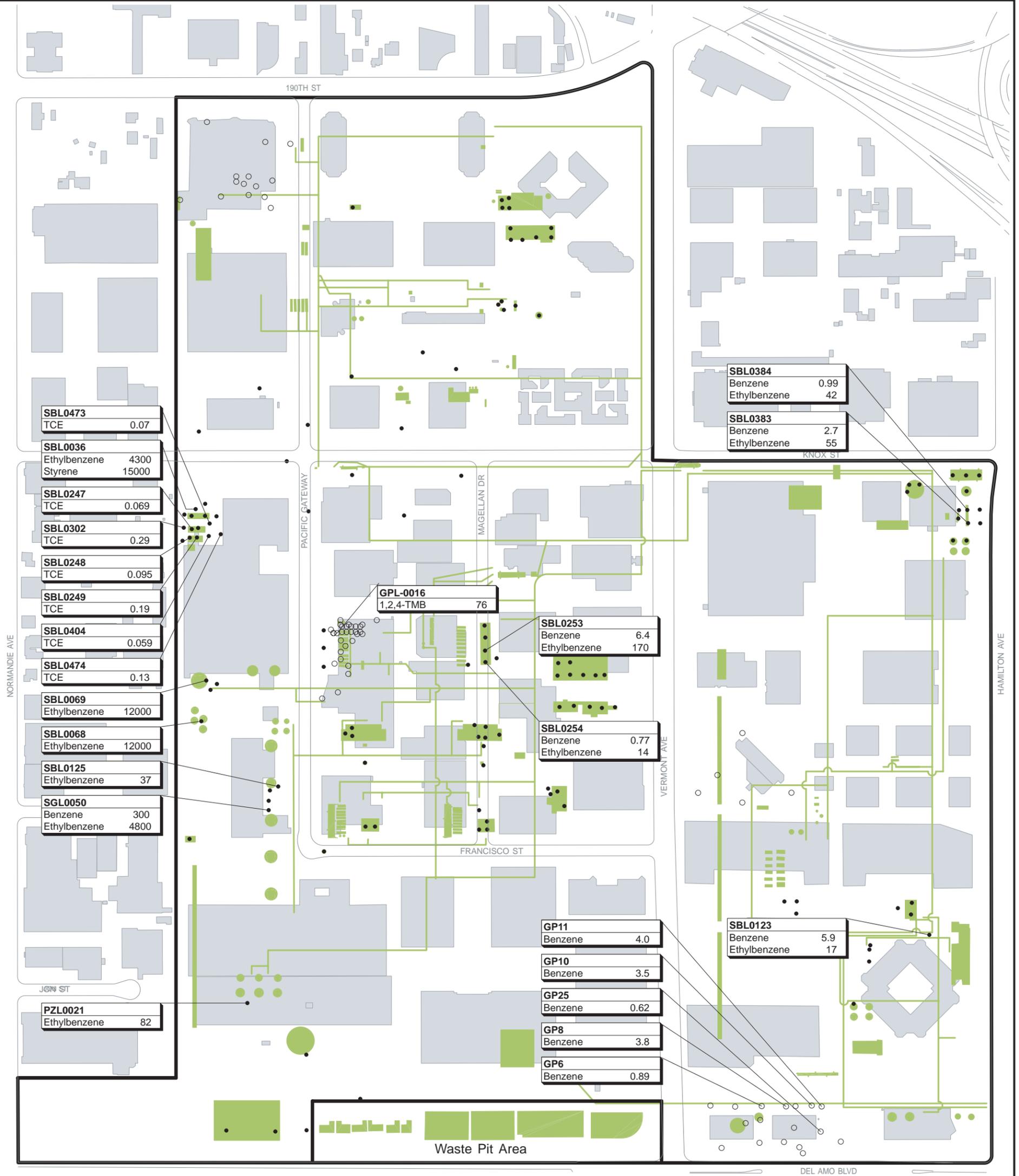


Legend

- RI surface soil sampling location where metals were analyzed
- Composite RI surface soil sampling location where metals were analyzed
- | |
|--------------|
| SSL0001-0006 |
| Arsenic 30 |

 Detected metal concentrations (mg/kg) that exceed screening criteria at the indicated location
- Current building footprint
- Former rubber plant facilities and features evaluated as part of the RI

FIGURE 32
METALS SAMPLING LOCATIONS IN SURFACE SOIL
 Soil and NAPL RI
 Del Amo Superfund Site



Note: Data collected between 1990 and 2003

Legend

- RI shallow soil sampling location where VOCs were analyzed
- Non-RI shallow soil sampling location where VOCs were analyzed
- | |
|-----------------|
| SBL0125 |
| Ethylbenzene 37 |

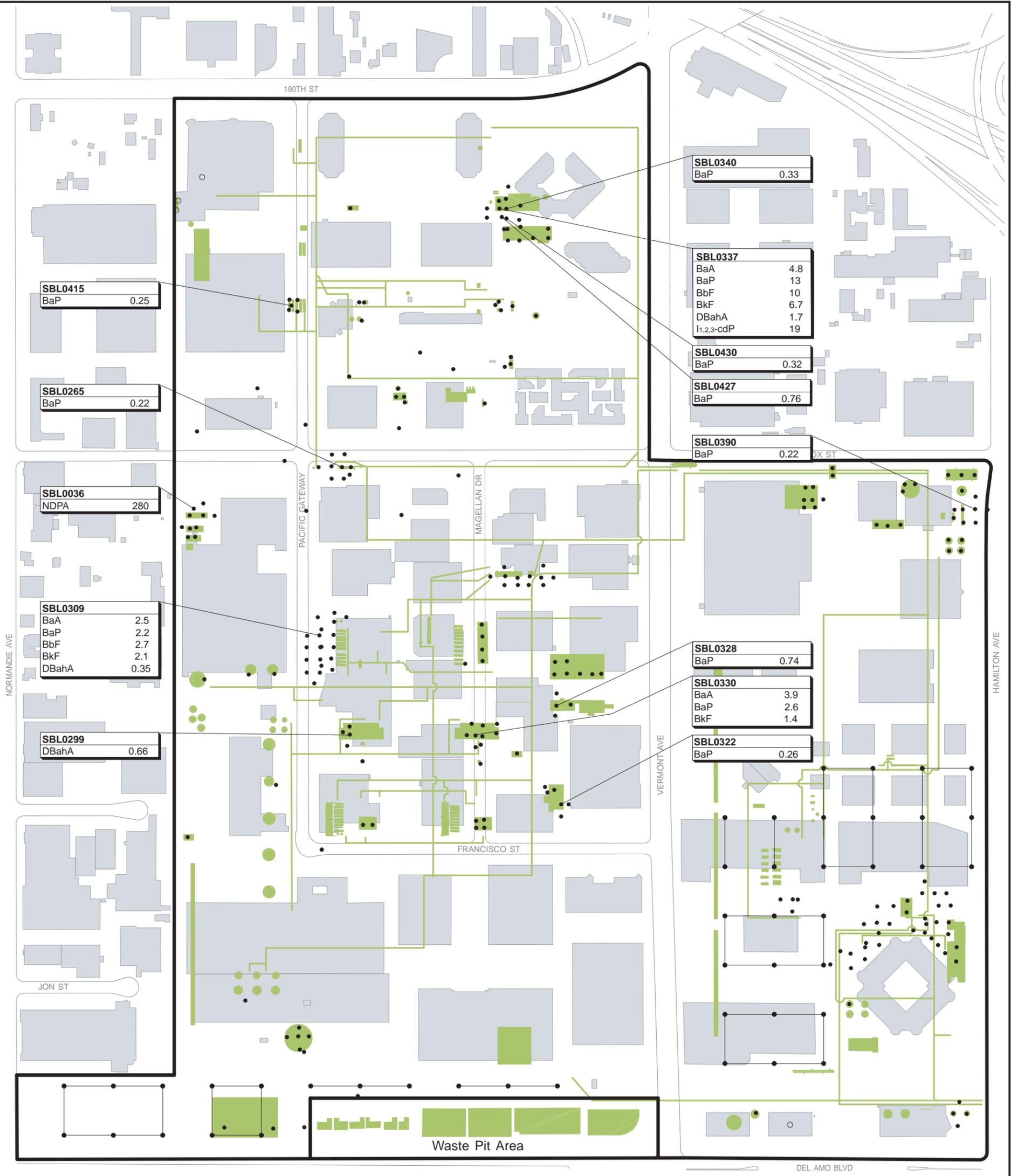
 Detected VOC concentrations (mg/kg) that exceed screening criteria at the indicated location
- Current building footprint
- Former rubber plant facilities and features evaluated as part of the RI

Abbreviations

TCE Trichloroethylene
 1,2,4-TMB 1,2,4-Trimethylbenzene



FIGURE 33
VOC SAMPLING LOCATIONS
IN SHALLOW SOIL
 Soil and NAPL RI
 Del Amo Superfund Site



Note: Data collected between 1990 and 2003

Legend

- RI shallow soil sampling location where SVOCs/PAHs were analyzed
- Non-RI shallow soil sampling location where SVOCs/PAHs were analyzed
- Composite RI shallow soil sampling location where SVOCs/PAHs were analyzed
- | | | |
|---------|-------|------|
| SBL0299 | DBahA | 0.66 |
|---------|-------|------|

 Detected SVOC/PAH concentrations (mg/kg) that exceed screening criteria at the indicated location
- Current building footprint
- Former rubber plant facilities and features evaluated as part of the RI

Abbreviations

BaA	Benzo(a)anthracene	DBahA	Dibenzo(a,h)anthracene
BaP	Benzo(a)pyrene	I1,2,3-cdP	Indeno(1,2,3-cd)pyrene
BbF	Benzo(b)fluoranthene	NDPA	N-Nitrosodiphenylamine
BkF	Benzo(k)fluoranthene		

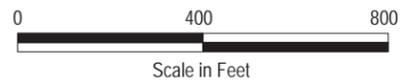


FIGURE 34
SVOC/PAH SAMPLING LOCATIONS IN SHALLOW SOIL
 Soil and NAPL RI
 Del Amo Superfund Site



Note: Data collected between 1993 and 2003

Legend

- RI deep soil sampling location where Pesticides/PCBs were analyzed
- Non-RI deep soil sampling location where Pesticides/PCBs were analyzed
- Composite RI shallow soil sampling location where Pesticides/PCBs were analyzed
- | |
|----------------|
| SBL0301 |
| 4, 4' DDT |
| 7.4 |

 Detected Pesticides/PCB concentrations (mg/kg) that exceed screening criteria at the indicated location
- Current building footprint
- Former rubber plant facilities and features evaluated as part of the RI

Abbreviations

- DDD dichlorodiphenyldichloroethane
- DDE dichlorodiphenyldichloroethylene
- DDT dichlorodiphenyltrichloroethane

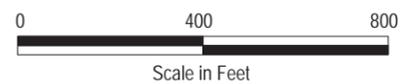


FIGURE 35
PESTICIDE/PCB SAMPLING LOCATIONS IN SHALLOW SOIL
 Soil and NAPL RI
 Del Amo Superfund Site



Note: Data collected between 1993 and 2003

Legend

- RI shallow soil sampling location where metals were analyzed
- Non-RI shallow soil sampling location where metals were analyzed
- Composite RI shallow soil sampling location where metals were analyzed
- | | | |
|---------|--------|-------|
| SBL0275 | Copper | 20200 |
|---------|--------|-------|

 Detected metal concentrations (mg/kg) that exceed screening criteria at the indicated location
- Current building footprint
- Former rubber plant facilities and features evaluated as part of the RI

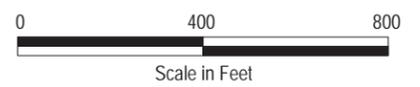
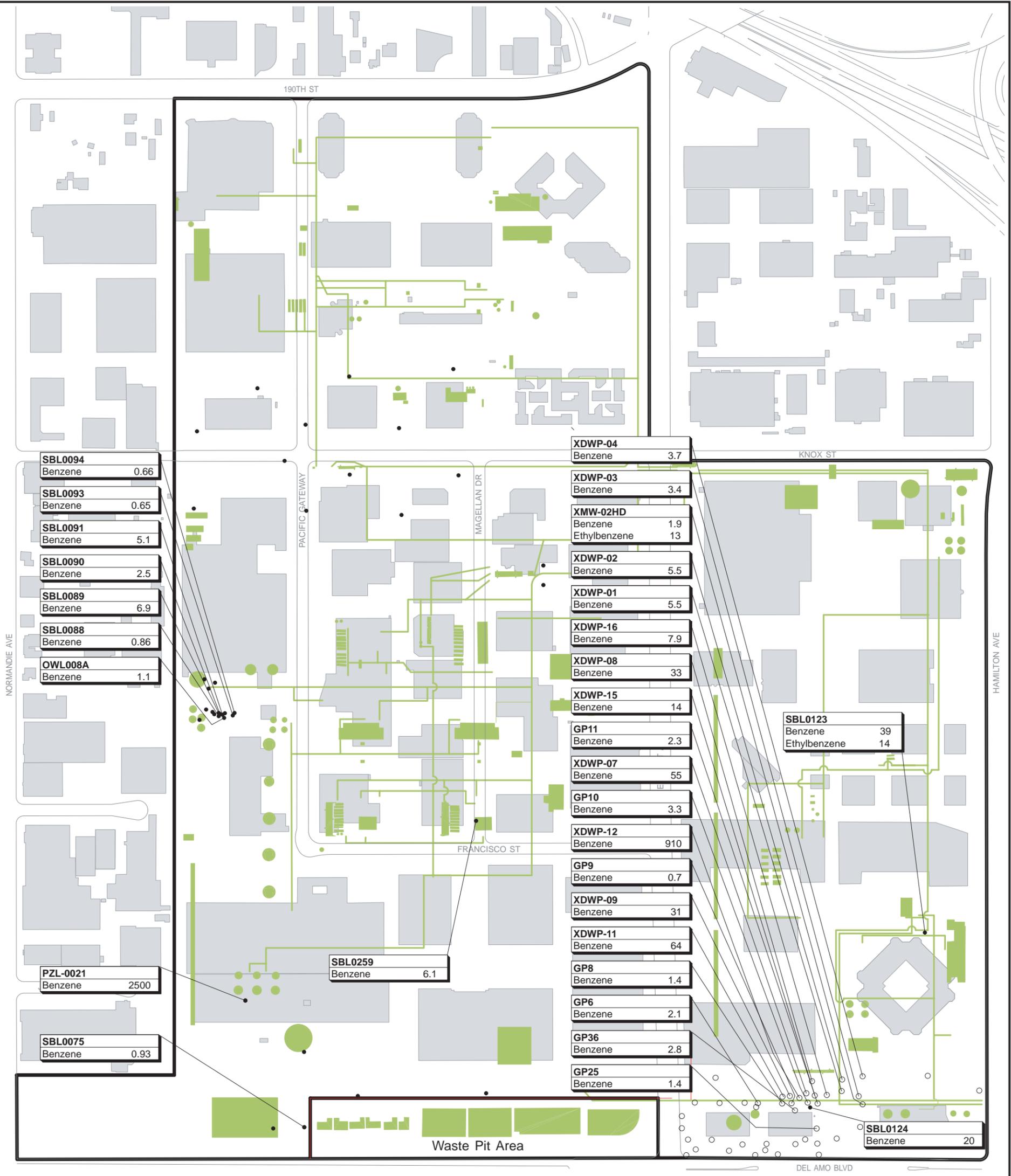


FIGURE 36
METALS SAMPLING LOCATIONS IN SHALLOW SOIL
 Soil and NAPL RI
 Del Amo Superfund Site



Note: Data collected between 1993 and 2003

Legend

- RI deep soil sampling location where VOCs were analyzed
- Non-RI deep soil sampling location where VOCs were analyzed
-  Detected VOC concentrations (mg/kg) that exceed screening criteria at the indicated location
-  Current building footprint
-  Former rubber plant facilities and features evaluated as part of the RI

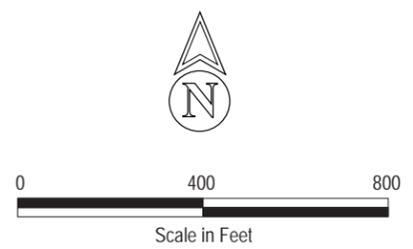
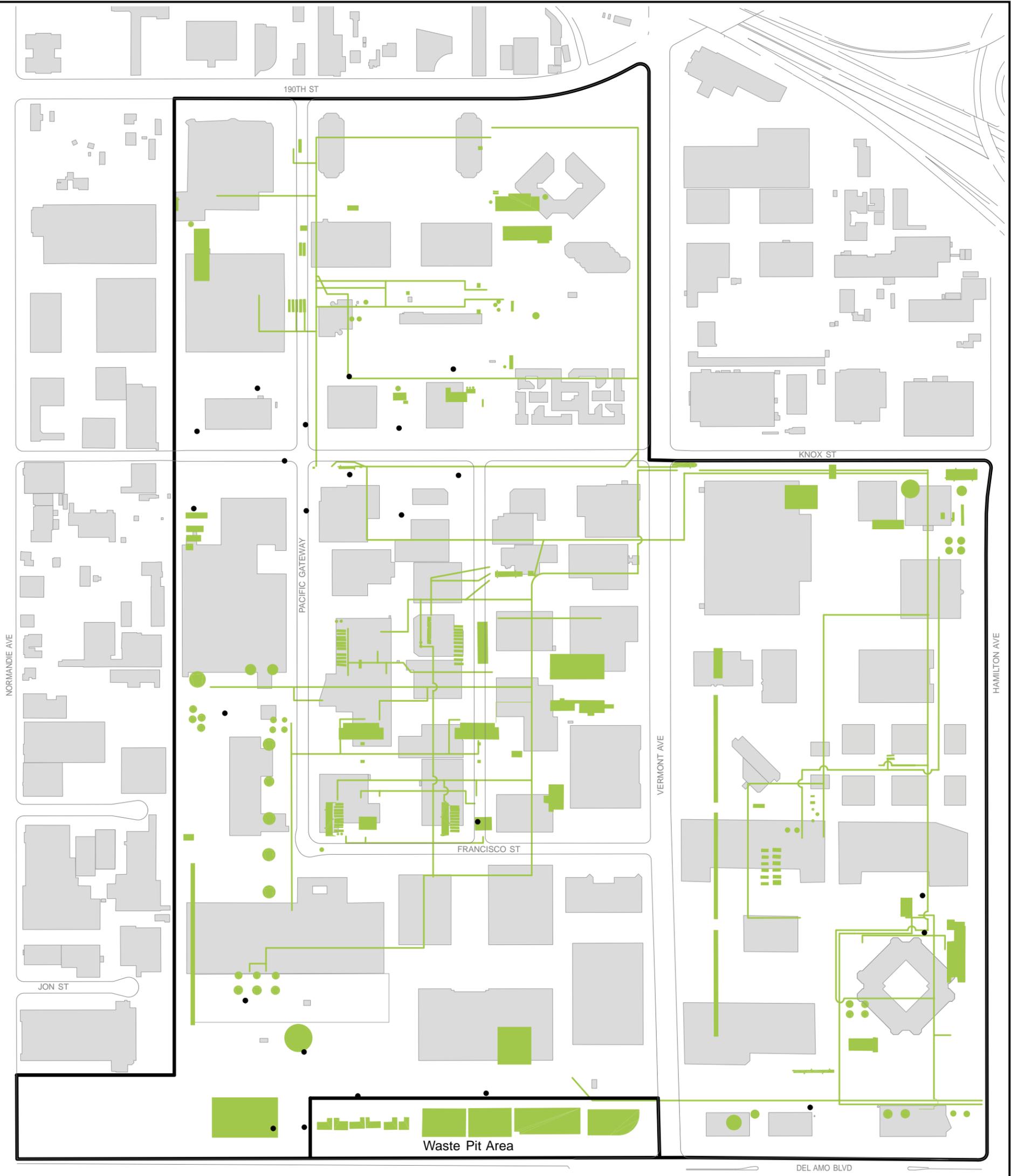


FIGURE 37
VOC SAMPLING LOCATIONS
IN DEEP SOIL
 Soil and NAPL RI
 Del Amo Superfund Site





Legend

- RI deep soil sampling location where SVOCs/PAHs were analyzed
- Current building footprint
- Former rubber plant facilities and features evaluated as part of the RI

Note: SVOCs/PAHs were not detected at concentrations in excess of screening criterial at any deep soil sampling locations. Data collected between 1993 and 2003

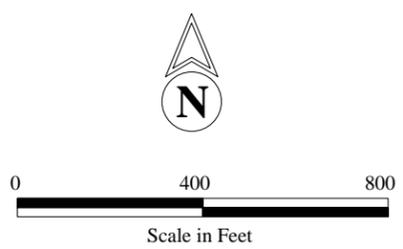
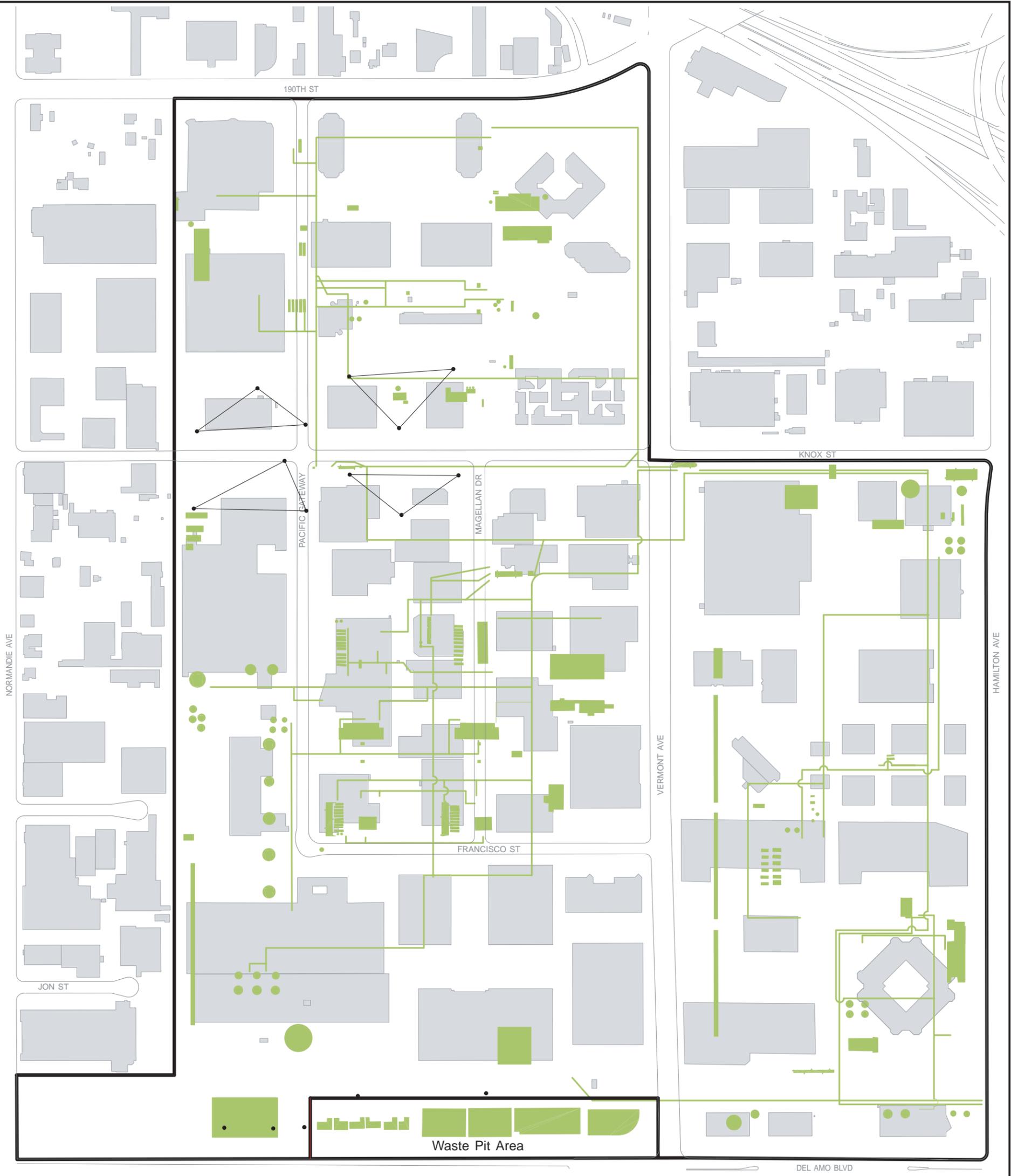


FIGURE 38
SVOC/PAH
SAMPLING LOCATIONS
IN DEEP SOIL
 Soil and NAPL RI
 Del Amo Superfund Site

URS



Note: Data collected between 1993 and 2003

DEL AMO BLVD

Legend

- RI deep soil sampling location where Pesticides/PCB were analyzed
- Non-RI deep soil sampling location where Pesticides/PCB were analyzed
- ▲ Composite RI deep soil sampling location where Pesticides/PCBs were analyzed
- Current building footprint
- Former rubber plant facilities and features evaluated as part of the RI

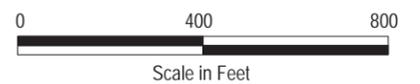
Note: Pesticides/PCBs were not detected at concentrations in excess of screening criteria at any deep soil sampling locations
Data collected between 1993 and 2003



FIGURE 39
PESTICIDE/PCB SAMPLING LOCATIONS IN DEEP SOIL
 Soil and NAPL RI
 Del Amo Superfund Site
URS



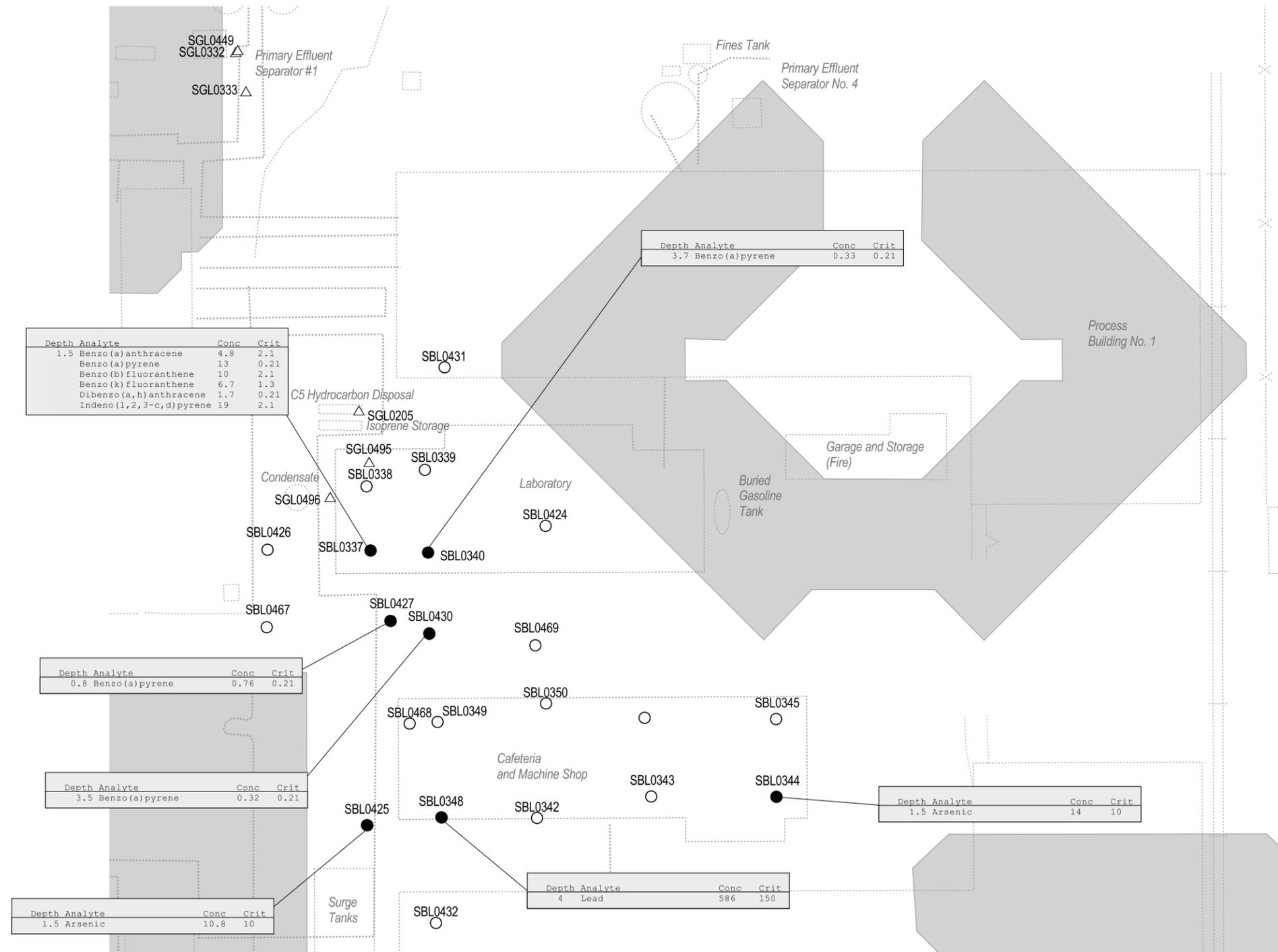
Note: Data collected in 1993



Legend

- RI deep soil sampling location where metals were analyzed
- Composite RI deep soil sampling location where metals were analyzed
- SBL0075
Manganese 2700 Detected metal concentrations (mg/kg) that exceed screening criteria at the indicated location
- Current building footprint
- Former rubber plant facilities and features evaluated as part of the RI

FIGURE 40
**METALS
 SAMPLING LOCATIONS
 IN DEEP SOIL**
 Soil and NAPL RI
 Del Amo Superfund Site



Depth	Analyte	Conc	Crit
1.5	Benzo (a) anthracene	4.8	2.1
	Benzo (a) pyrene	13	0.21
	Benzo (b) fluoranthene	10	2.1
	Benzo (k) fluoranthene	6.7	1.3
	Dibenzo (a, h) anthracene	1.7	0.21
	Indeno (1, 2, 3-c, d) pyrene	19	2.1

Depth	Analyte	Conc	Crit
0.8	Benzo(a)pyrene	0.76	0.21

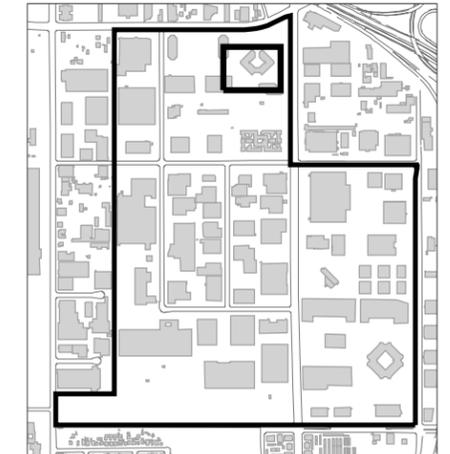
Depth	Analyte	Conc	Crit
3.5	Benzo(a)pyrene	0.32	0.21

Depth	Analyte	Conc	Crit
1.5	Arsenic	10.8	10

Depth	Analyte	Conc	Crit
3.7	Benzo (a) pyrene	0.33	0.21

Depth	Analyte	Conc	Crit
1.5	Arsenic	14	10

Depth	Analyte	Conc	Crit
4	Lead	586	150



Area shown in this map

Explanation

- △ Shallow soil gas sampling location with screening criteria exceedance (none present on figure)
- ▲ Shallow soil gas sampling location with screening criteria exceedance
- Shallow soil sampling location
- Shallow soil sampling location with screening criteria exceedance
- Tank Footprint of historical rubber plant facilities and features with use/contents indicated
- Former underground pipelines that may have carried dilute VOC solutions
- Existing site buildings

Depth	Analyte	Conc	Crit
3.7	Benzo (a) pyrene	0.33	0.21

Note: Chemical concentrations at the depicted soil gas sampling locations did not exceed screening criteria. See Section 5 and Table 10 for further explanation of screening criteria.

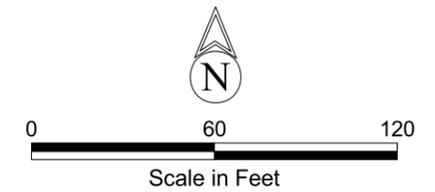
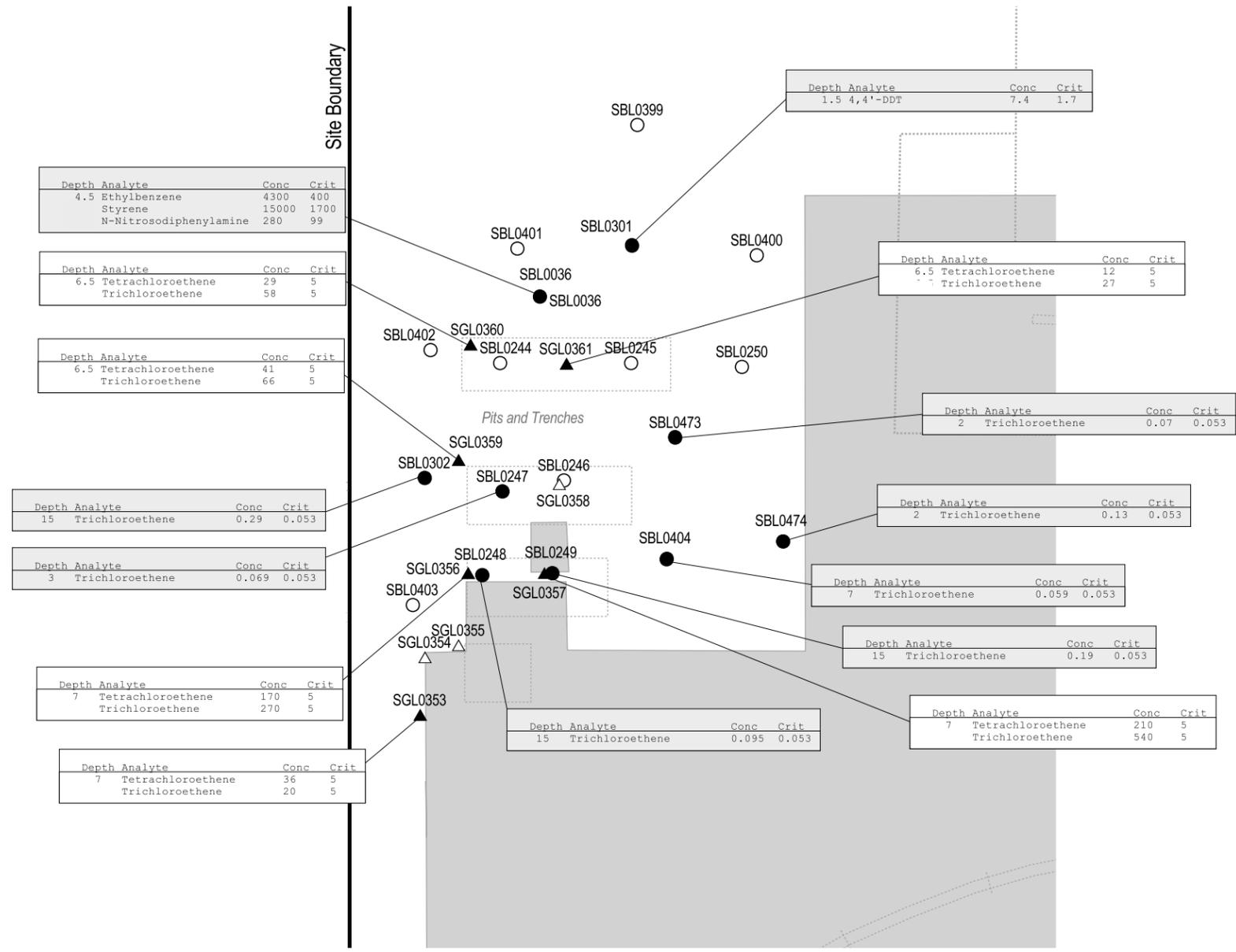


Figure 41
SHALLOW SOIL AND SOIL GAS SCREENING CRITERIA EXCEEDANCES
Laboratory and Machine Shop
 Soil and NAPL RI
 Del Amo Superfund Site



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Area shown in this map

Explanation

- △ Shallow soil gas sampling location
- ▲ Shallow soil gas sampling location with screening criteria exceedance
- Shallow soil sampling location
- Shallow soil sampling location with screening criteria exceedance
- Tank: Footprint of historical rubber plant facilities and features with use/contents indicated
- Former underground pipelines that may have carried dilute VOC solutions
- Existing site buildings

Depth	Analyte	Conc	Crit
15	Trichloroethene	0.29	0.053

Depth (ft bgs), analyte, concentration (mg/kg), and screening criteria (mg/kg) for soil sampling locations with screening criteria exceedances

Depth	Analyte	Conc	Crit
6.5	Tetrachloroethene	12	5

Depth (ft bgs), analyte, concentration (ppmv), and screening criteria (ppmv) for soil gas sampling locations with screening criteria exceedances

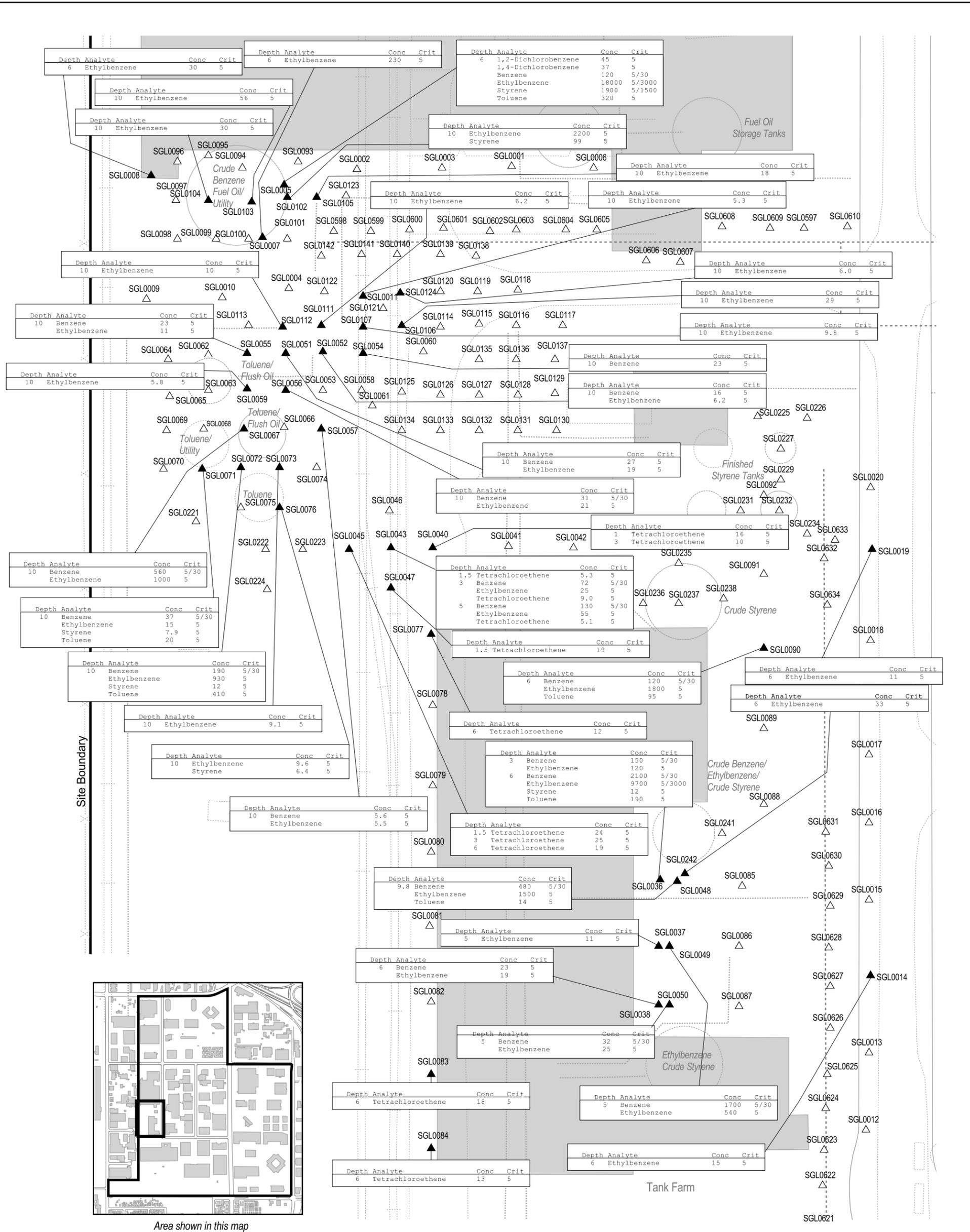
Note: See Section 5 and Table 10 for further explanation of screening criteria.



Figure 42
SHALLOW SOIL AND SOIL GAS SCREENING CRITERIA EXCEEDANCES
Pits and Trenches
 Soil and NAPL RI
 Del Amo Superfund Site



Note: Additional, non RI/FS soil data for the offsite area to the west of the pits and trenches area exists that is outside the scope of this report. See November 20, 2003 Memorandum from URS to EPA



Area shown in this map

Explanation

- △ Shallow soil gas sampling location
- ▲ Shallow soil gas sampling location with screening criteria exceedance
- Tank: Footprint of historical rubber plant facilities and features with use/contents indicated
- Former underground pipelines that may have carried dilute VOC solutions
- Existing site buildings

Depth	Analyte	Conc	Crit
6	Tetrachloroethene	18	5

Depth (ft bgs), analyte, concentration (ppmv), and screening criteria (ppmv) for soil gas sampling locations with screening criteria exceedances

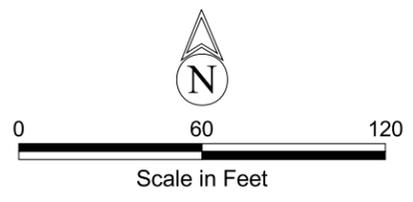


Figure 43
SHALLOW SOIL GAS SCREENING CRITERIA EXCEEDANCES
MW-20 and Tank Farm
 Soil and NAPL RI
 Del Amo Superfund Site

Note: See Section 5 and Table 10 for further explanation of screening criteria.



Depth	Analyte	Conc	Crit
7	Ethylbenzene	31	8.9
10	Ethylbenzene	12000	8.9

Crude Benzene
Fuel Oil/
Utility

Toluene/
Flush Oil

Toluene/
Utility

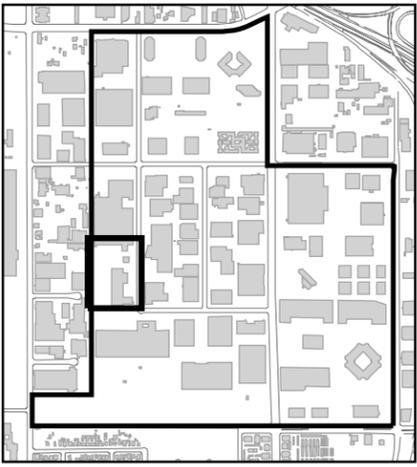
Toluene/
Flush Oil

Toluene

Depth	Analyte	Conc	Crit
7	Ethylbenzene	12000	8.9

Depth	Analyte	Conc	Crit
5	Benzene	300	0.60
5	Ethylbenzene	4800	8.9

Depth	Analyte	Conc	Crit
12.5	Ethylbenzene	37	8.9



Area shown in this map

Site Boundary

Explanation

- Shallow soil sampling location
- Shallow soil sampling location with screening criteria exceedance
- Tank Footprint of historical rubber plant facilities and features with use/contents indicated
- Former underground pipelines that may have carried dilute VOC solutions
- Existing site buildings

Depth	Analyte	Conc	Crit
7	Ethylbenzene	12000	8.9

Depth (ft bgs), analyte, concentration (mg/kg), and screening criteria (mg/kg) for soil sampling locations with screening criteria exceedances

Note: See Section 5 and Table 10 for further explanation of screening criteria.



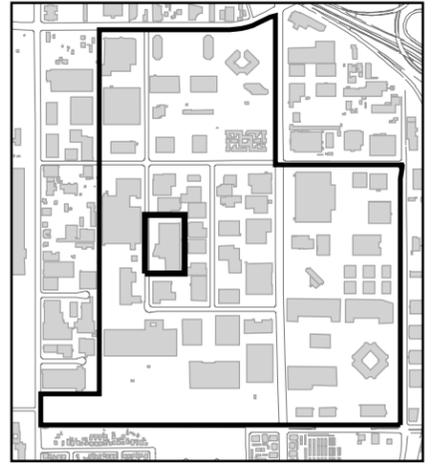
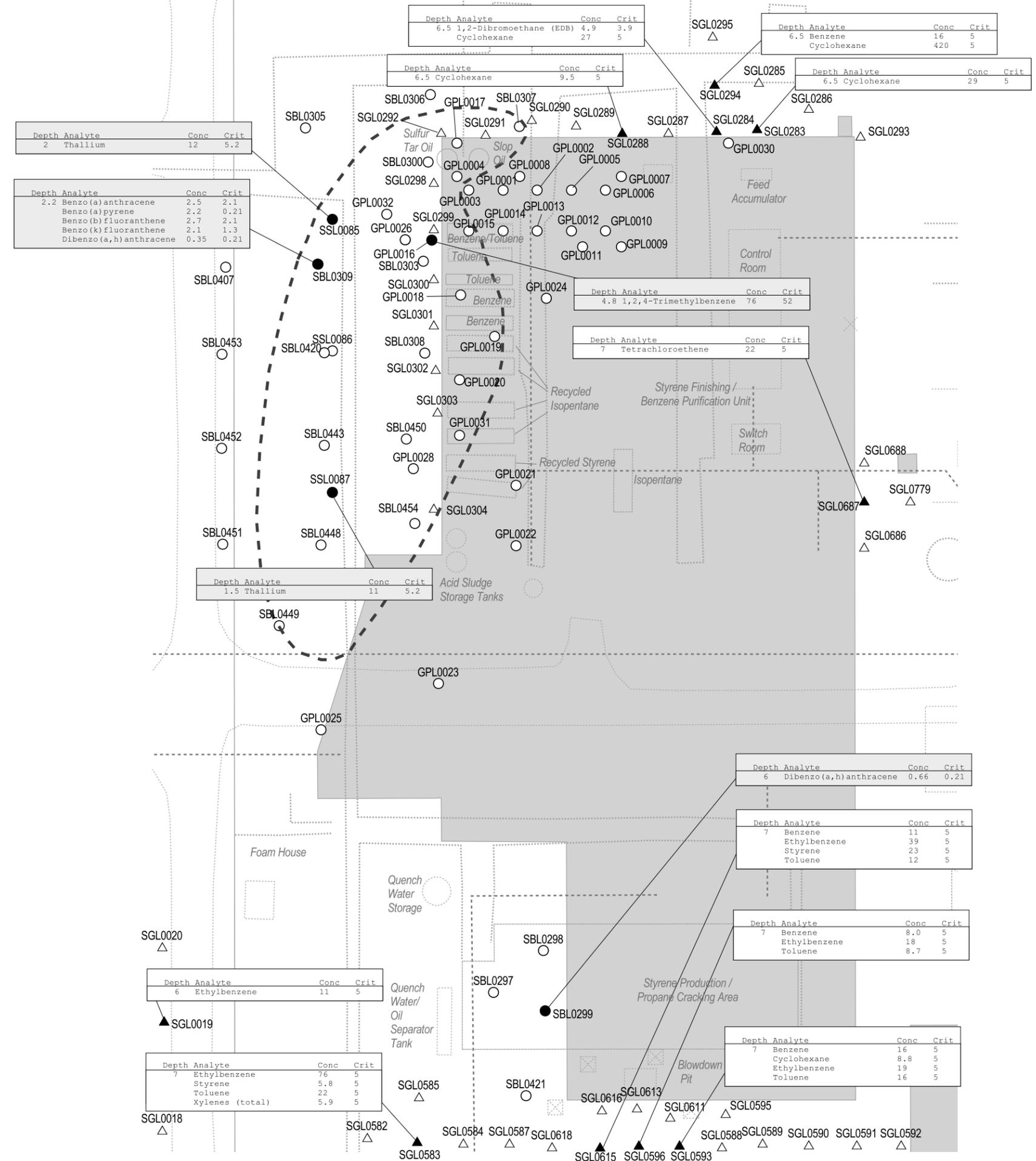
Figure 44

SHALLOW SOIL SCREENING CRITERIA EXCEEDANCES
MW-20 and Tank Farm

Soil and NAPL RI
Del Amo Superfund Site



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Area shown in this map

Explanation

- △ Shallow soil gas sampling location
- ▲ Shallow soil gas sampling location with screening criteria exceedance
- Shallow soil sampling location
- Shallow soil sampling location with screening criteria exceedance
- Tank: Footprint of historical rubber plant facilities and features with use/contents indicated
- Former underground pipelines that may have carried dilute VOC solutions
- Existing site buildings

Depth	Analyte	Conc	Crit
2	Thallium	12	5.2

Depth (ft bgs), analyte, concentration (mg/kg), and screening criteria (mg/kg) for soil sampling locations with screening criteria exceedances

Depth	Analyte	Conc	Crit
6	Ethylbenzene	11	5

Depth (ft bgs), analyte, concentration (ppmv), and screening criteria (ppmv) for soil gas sampling locations with screening criteria exceedances

Approximate area of soil staining and/or chemical odors

Note: See Section 5 and Table 10 for further explanation of screening criteria.



Figure 45
SHALLOW SOIL AND SOIL GAS SCREENING CRITERIA EXCEEDANCES
Styrene Finishing/Benzene Purification and Styrene Production/Propane Cracking Units
 Soil and NAPL RI
 Del Amo Superfund Site

