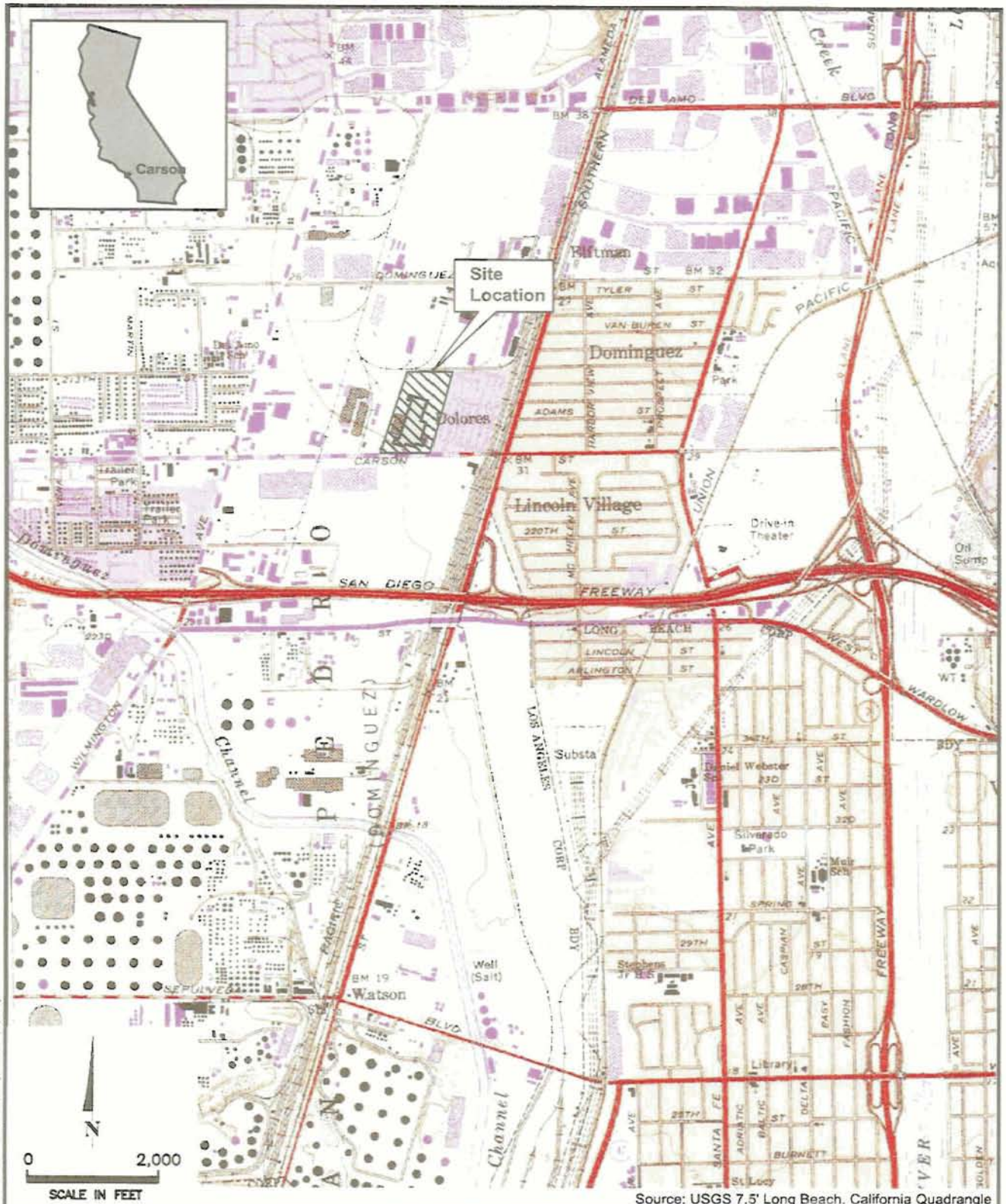

Source: USGS 7.5' Long Beach, California Quadrangle

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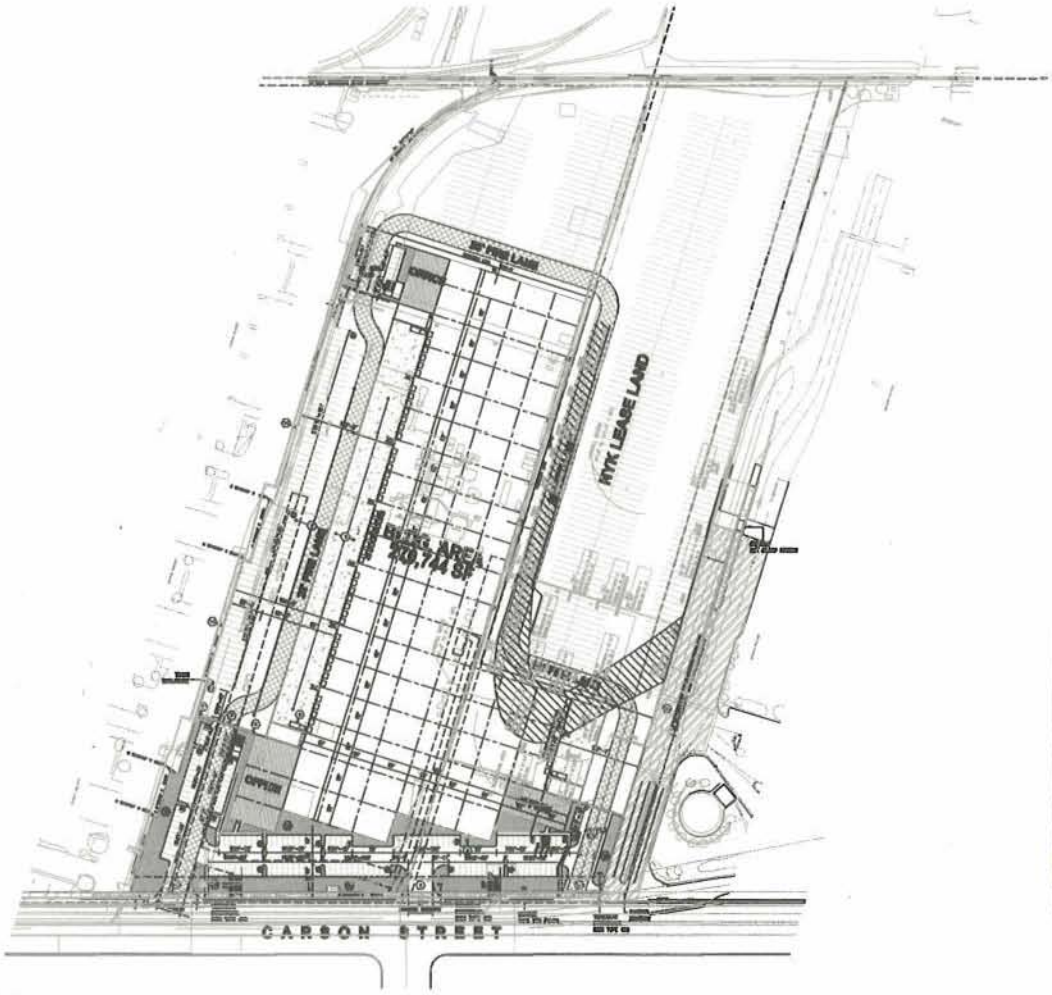
Site Location Map
2211-2307 East Carson Street
Carson, California

Figure
1

Drafter: EBH | Date: 9/18/07 | Contract Number: 06-467-K



project information

OWNER / APPLICANT

APPLICANT'S REPRESENTATIVE

PROPERTY ADDRESS

LEGAL DESCRIPTION

ZONING

ASSESSORS PARCEL NUMBER

tabulation

site plan keynotes

site plan general notes

vicinity map

site legend

0 240
SCALE IN FEET

Source:
HPA, Inc., 2007.

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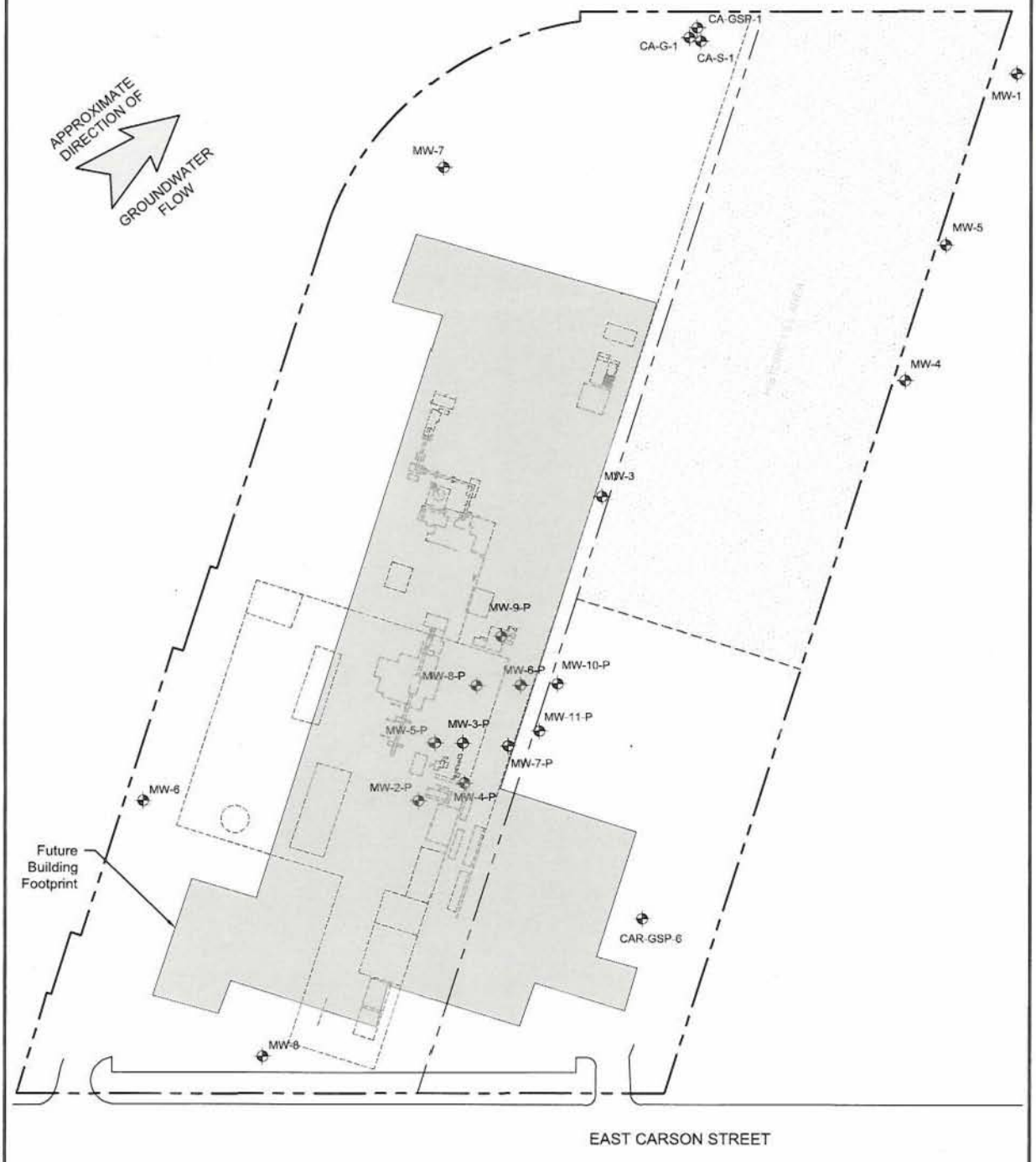
Site Development Plan
2211-2307 East Carson
Carson, California

Figure
2

Drafter: EBH | Date: 9/14/07 | Contract Number: 06-467-K

I:\Projects\06-467-K Carson Pet Aquarium\CAD\CDM Figures\Fig 2 - Site Development Plan.dwg



EXPLANATION:

Monitoring Well location

N

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SCALE IN FEET

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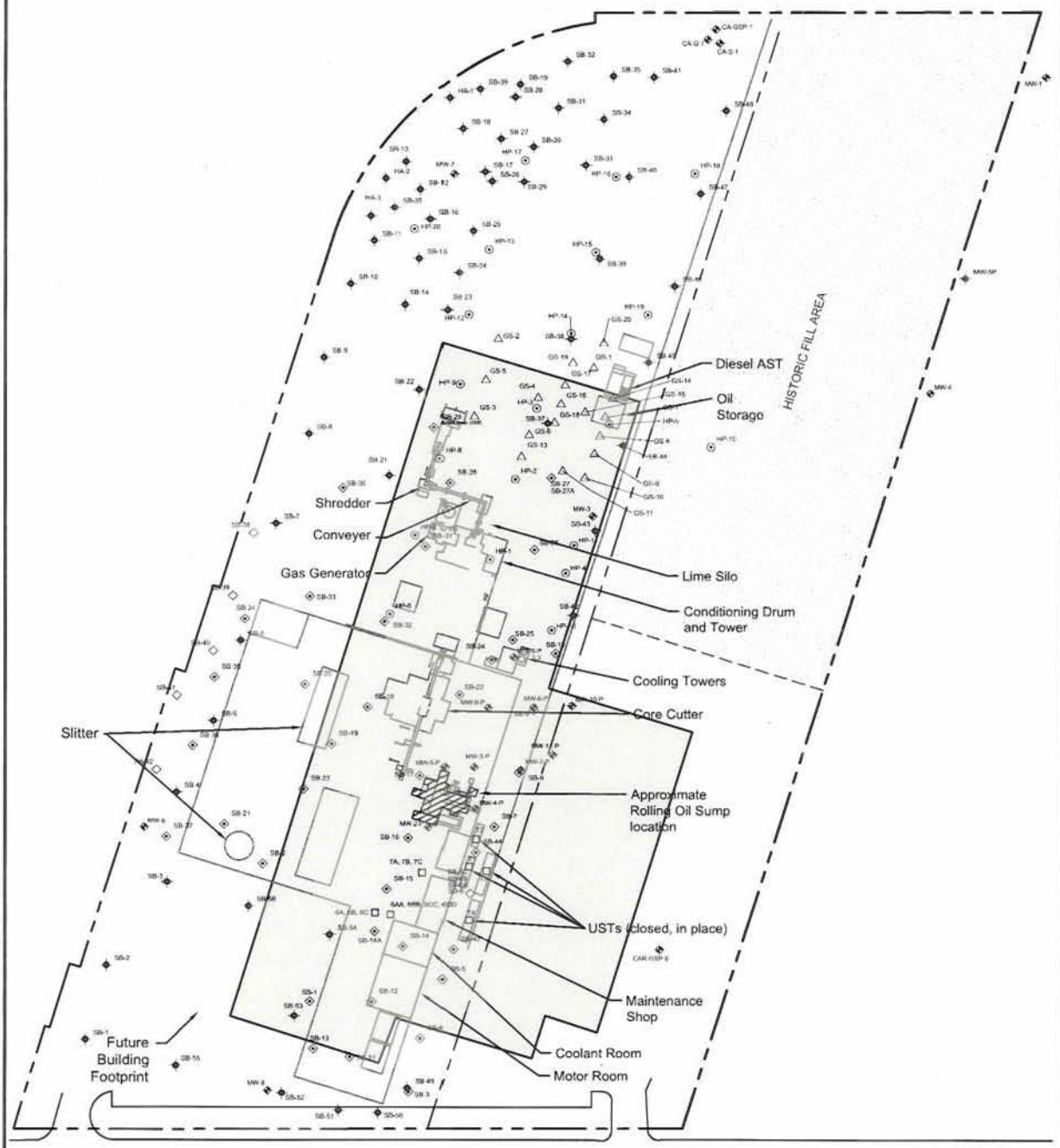
Site Layout Showing Exisitng Monitoring Well Locations
2211-2307 East Carson Street
Carson, California

Figure
3

Drafter: EBH | Date: 9/27/07 | Contract Number: 06-467-K

L:\Active\06-467-K Carson Post Aquisition\CAD\Revised SMW locations.dwg



EXPLANATION:

- Existing Monitoring Well location
- Approximate location of Rolling Oil Sump (Park Oct 1991)
- Soil sample location (Park August 1993)
- Groundwater sample location (Park Feb 1995)
- Soil gas sample location (Park, June 1996)
- Soil and soil vapor sample location (ERM June 2006)
- Soil sample location (ERM June 2006)
- Underground Storage Tank sample location
- Floating Product Plume limits (PSI Jan 2005)

N

0 120

SCALE IN FEET

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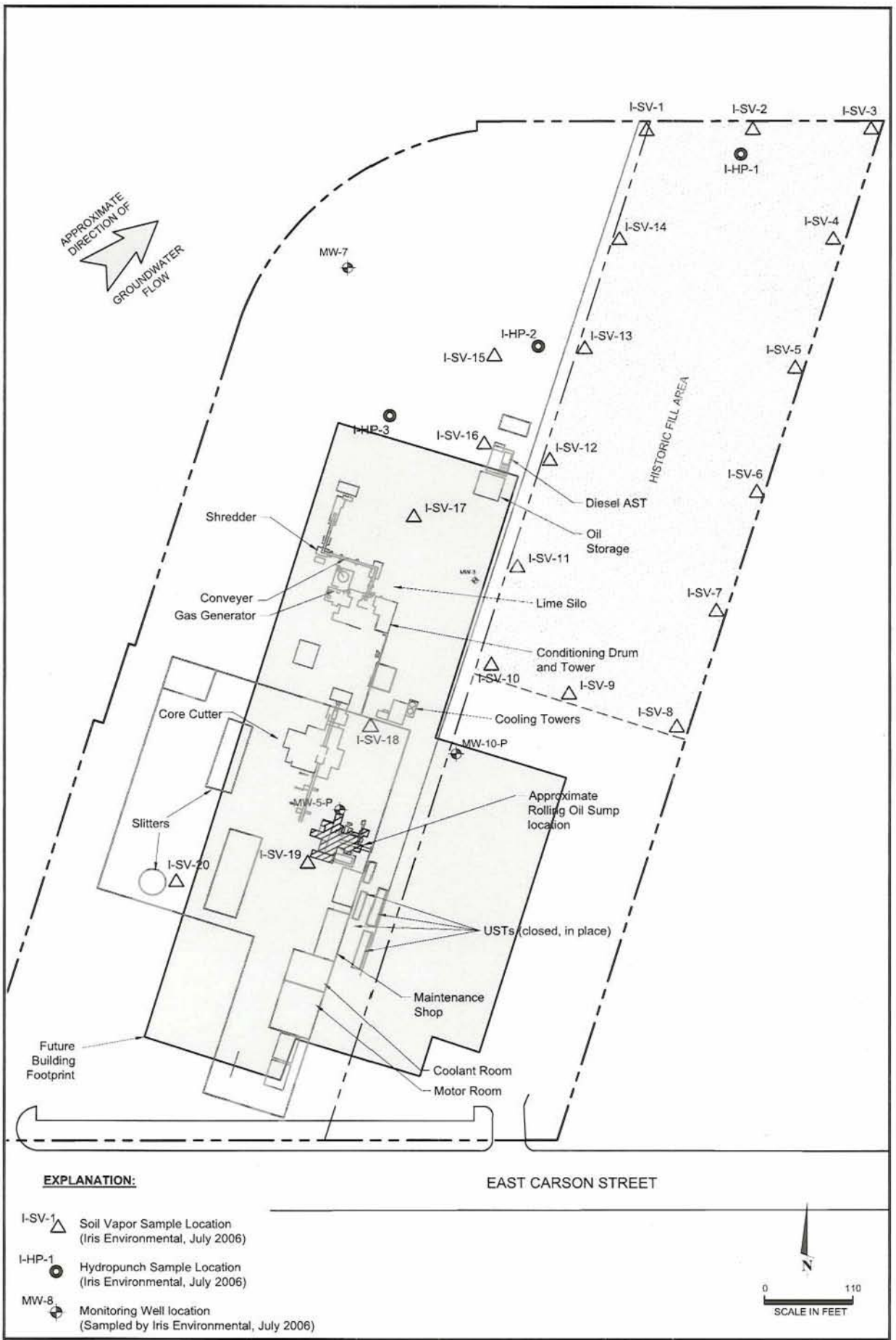
Historic Sampling Locations
2211-2307 East Carson Street
Carson, California

Figure 4

Drafter: EBH | Date: 9/19/07 | Contract Number: 06-467-K

I:\Data\06-467-K Carson Post Application\CAD\Historic Sample Locations.dwg



EXPLANATION:

I-SV-1 Soil Vapor Sample Location (Iris Environmental, July 2006)

I-HP-1 Hydropunch Sample Location (Iris Environmental, July 2006)

MW-8 Monitoring Well location (Sampled by Iris Environmental, July 2006)

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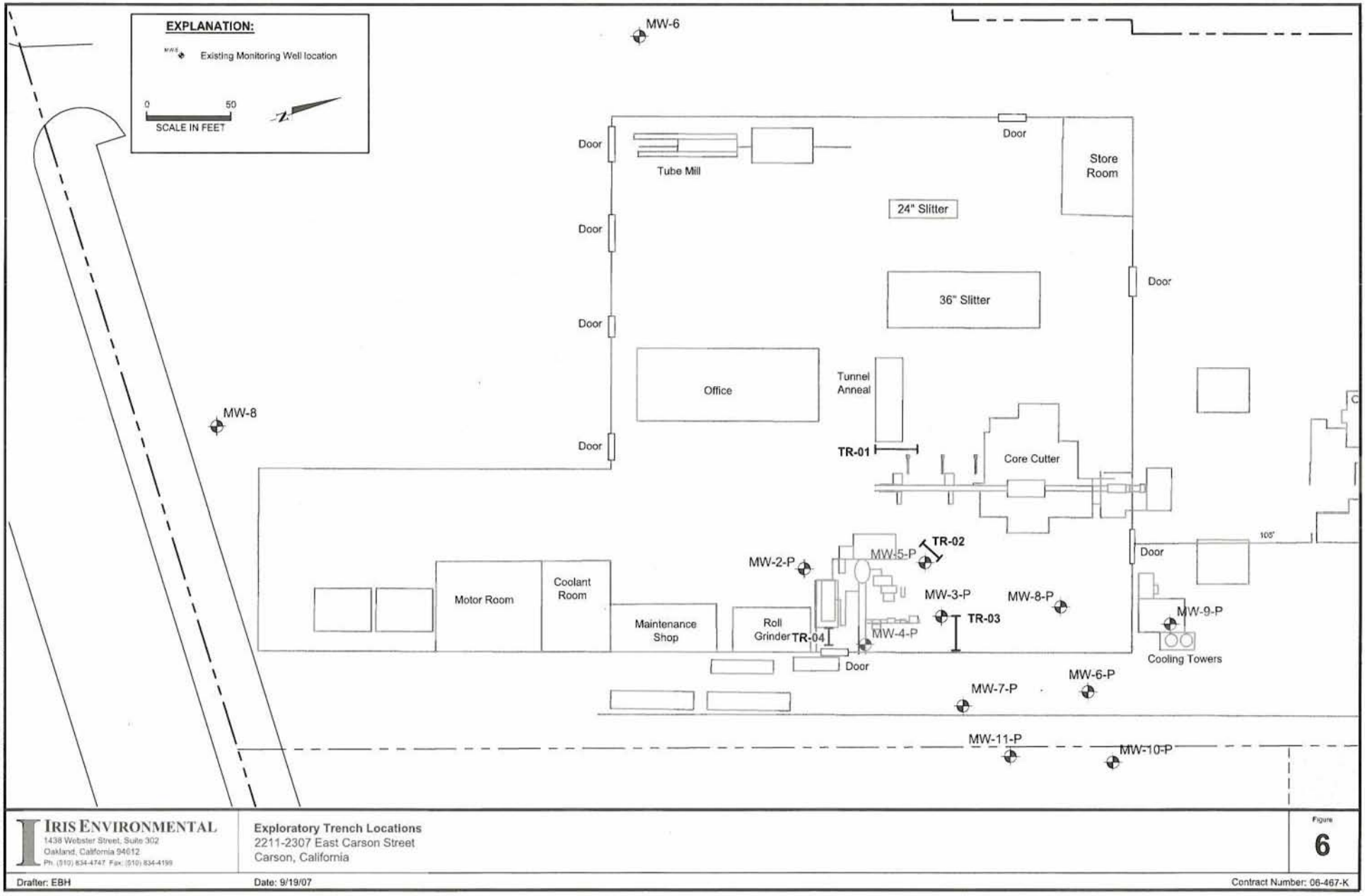
Iris Environmental 2006 Sample Locations
2211-2307 East Carson Street
Carson, California

Figure 5

Drafter: EBH | Date: 9/19/07 | Contract Number: 06-467-K

I:\Catalina\06-467-K Carson Post Aquisition\CAD\Iris Samples.dwg



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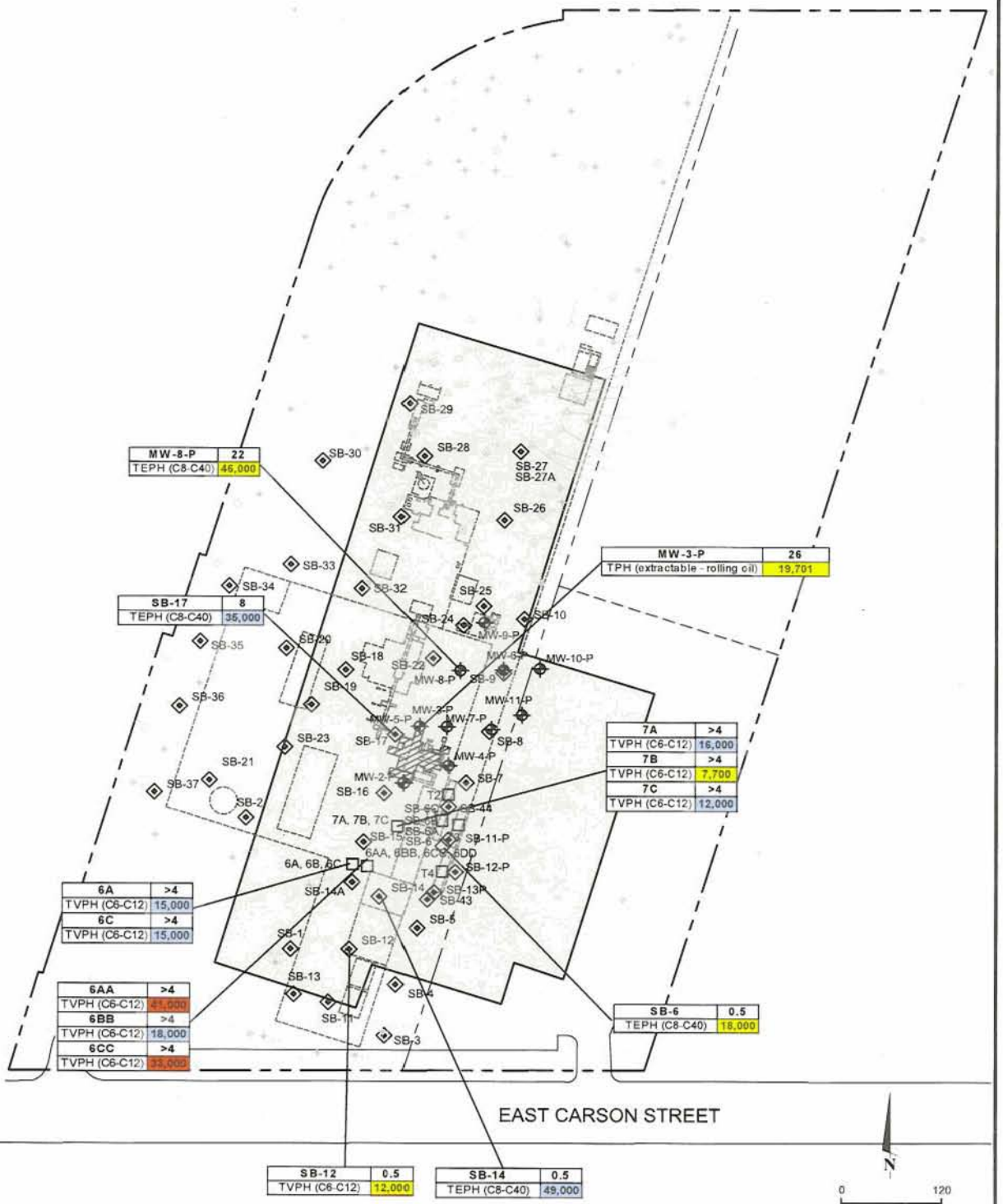
Exploratory Trench Locations
2211-2307 East Carson Street
Carson, California

Figure
6

Drafter: EBH

Date: 9/19/07

Contract Number: 06-467-K



EXPLANATION:

- TPH values above one-half commercial/industrial Risk Based Screening Level (RBSL) for soils <10 ft bgs and Construction Worker RBSL
- TPH values above Construction Worker RBSL
- TPH values above Commercial/Industrial RBSL

Sample locations shown in black represent samples that yielded chemical data. Samples in grey have no data associated with them.

- Existing Monitoring well location
- Approximate location of Rolling Oil Sump (Park Oct 1991)
- Soil sample location (Park August 1993)
- Groundwater sample location (Park Feb 1995)
- Soil gas sample location (Park, June 1996)
- Soil and soil vapor sample location (ERM June 2006)
- Soil sample location (ERM June 2006)
- Underground Storage Tank sample location

MW-3-P	26
TPH (extractable - rolling oil)	19,701

Depth in feet below ground surface

Concentration of compound in units of milligrams per kilogram. Note that all postings are exceedances.

Chemical	Commercial Industrial Screening Level (mg/kg)	Construction Worker (mg/kg)
TEPH (C8-C40)(rolling oil)	52,000	14,000
TPH (extractable - rolling oil)	52,000	14,000
TPH-gasoline	27,000	7,300
TPH-diesel	37,000	9,500
TVPH (C6-C12)	27,000	7,300

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TPH Exceedances in Soil
2211-2307 East Carson Street
Carson, California

Figure 7

Drafter: EBH | Date: 9/20/07 | Contract Number: 06-467-K

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SB-6C	16
1,2,4-Trimethylbenzene	290
1,3,5-Trimethylbenzene	96
Naphthalene	69

EXPLANATION:

- Existing Monitoring Well location
- Approximate location of Rolling Oil Sump (Park Oct 1991)
- Soil sample location (Park August 1993)
- Groundwater sample location (Park Feb 1995)
- Soil gas sample location (Park, June 1996)
- Soil and soil vapor sample location (ERM June 2006)
- Soil sample location (ERM June 2006)
- Underground Storage Tank sample location
- Floating Product Plume limits (PSI Jan 2005)

SB-6C	16
1,2,4-Trimethylbenzene	290

Depth in feet below ground surface

Concentration of compound in units of milligrams per kilogram. Note that all posted values are above commercial PRGs for soil.

Chemical	Commercial PRGs (mg/kg)
1,2,4-Trimethylbenzene	170.3
1,3,5-Trimethylbenzene	69.7
Naphthalene	4.2

N

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Historic Exceedances of PRGs in Soil
2211-2307 East Carson Street
Carson, California

Figure
8

Drafter: EBH

Date: 9/19/07

Contract Number: 06-467-K

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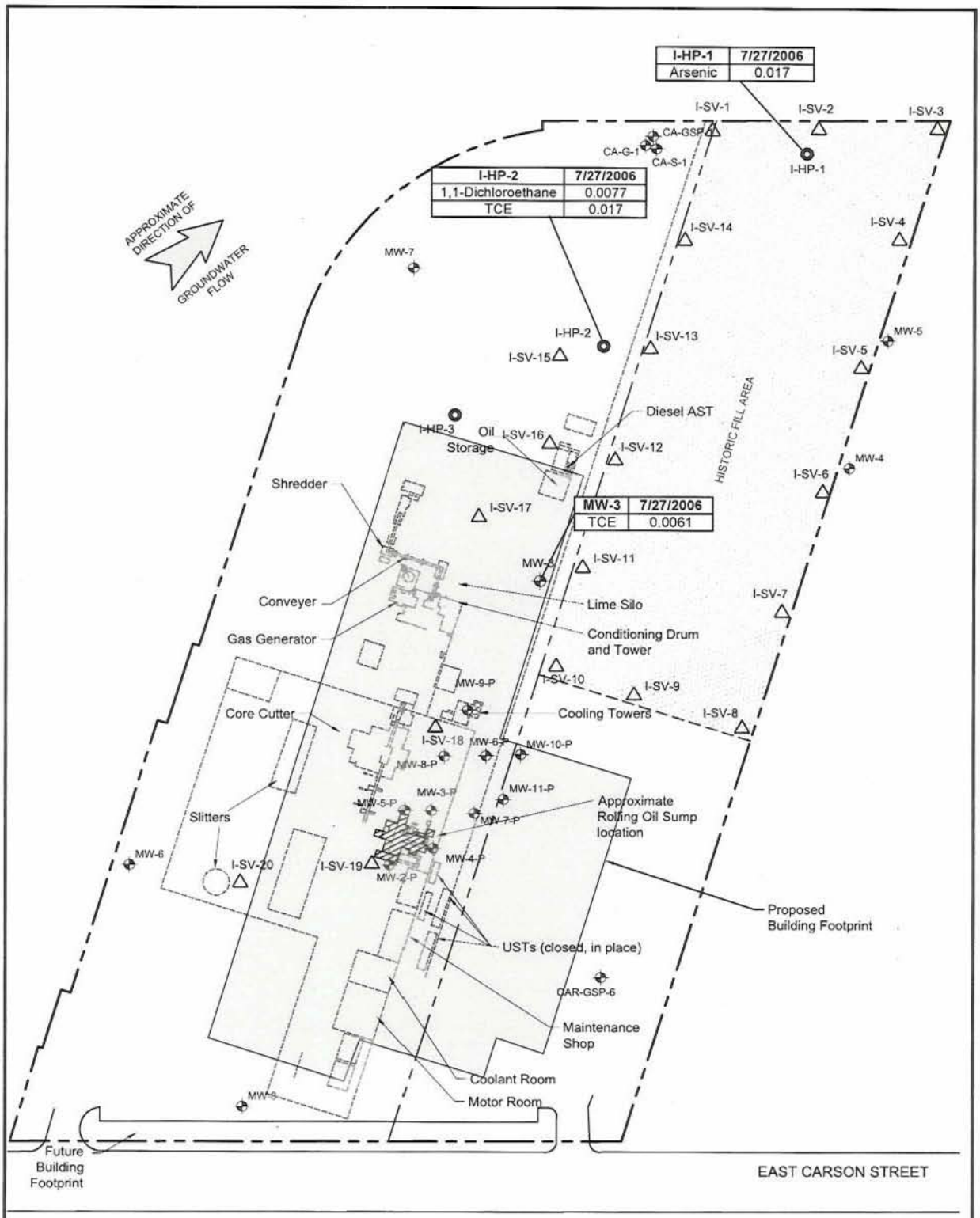

EXPLANATION:

I-SV-1 △ Soil Vapor Sample Location (Iris, 2006)

I-HP-1 ⊙ Hydropunch Sample Location (Iris, 2006)

MW-8 ⊕ Monitoring Well location

MW-3	7/27/2006
TCE	0.0061

Concentration of compound in units of milligrams per liter. Note that all posted values exceed California MCLs or US EPA MCLs.

	California MCLs (mg/L)	US EPA MCLs (mg/L)
1,1-Dichloroethane	0.005	--
TCE	0.005	0.005
Arsenic	0.05	0.01

N

0 120

SCALE IN FEET

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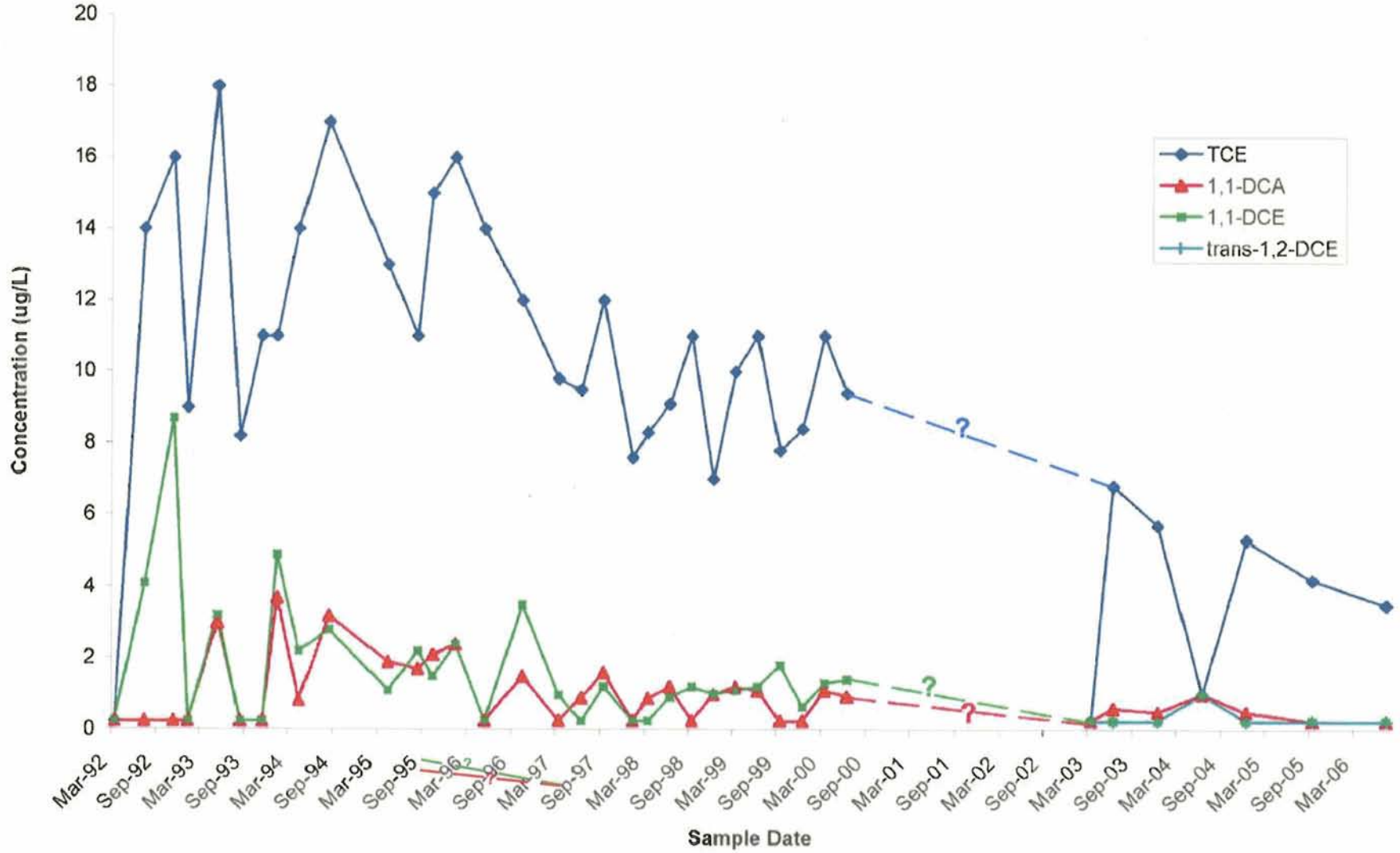
Exceedances of California MCLs and US EPA MCLs in Groundwater: VOCs and Soluble Metals
2211-2307 East Carson Street
Carson, California

Figure 9

Drafter: EBH | Date: 9/19/07 | Contract Number: 06-467-K

G:\Carson\06-467-K Carson Post Application\CAD\Exceedences in Groundwater.dwg

TCE and breakdown products in Well MW-3



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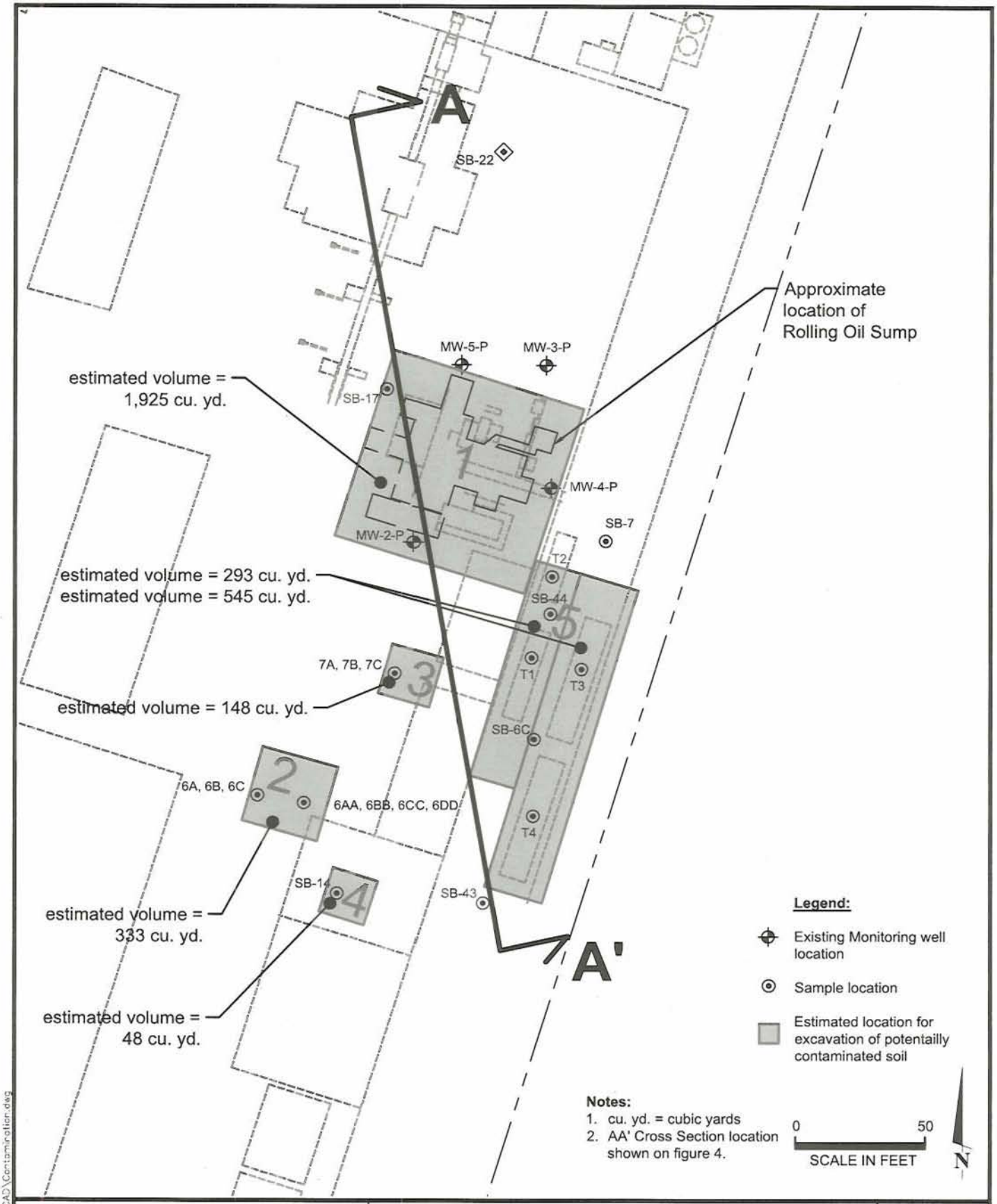
Time Series Plot Showing Concentrations of TCE and Breakdown Products Detected in Groundwater Monitoring Well MW-3
2211-2307 East Carson Street
Carson, California

Figure **10**

Drafter: EBH | Date: 9/19/07 | Contract Number: 0-467-K

I:\Catellus\06-467-K-Carson Post Aquisition\CAD\Fig 8 Chart.dwg



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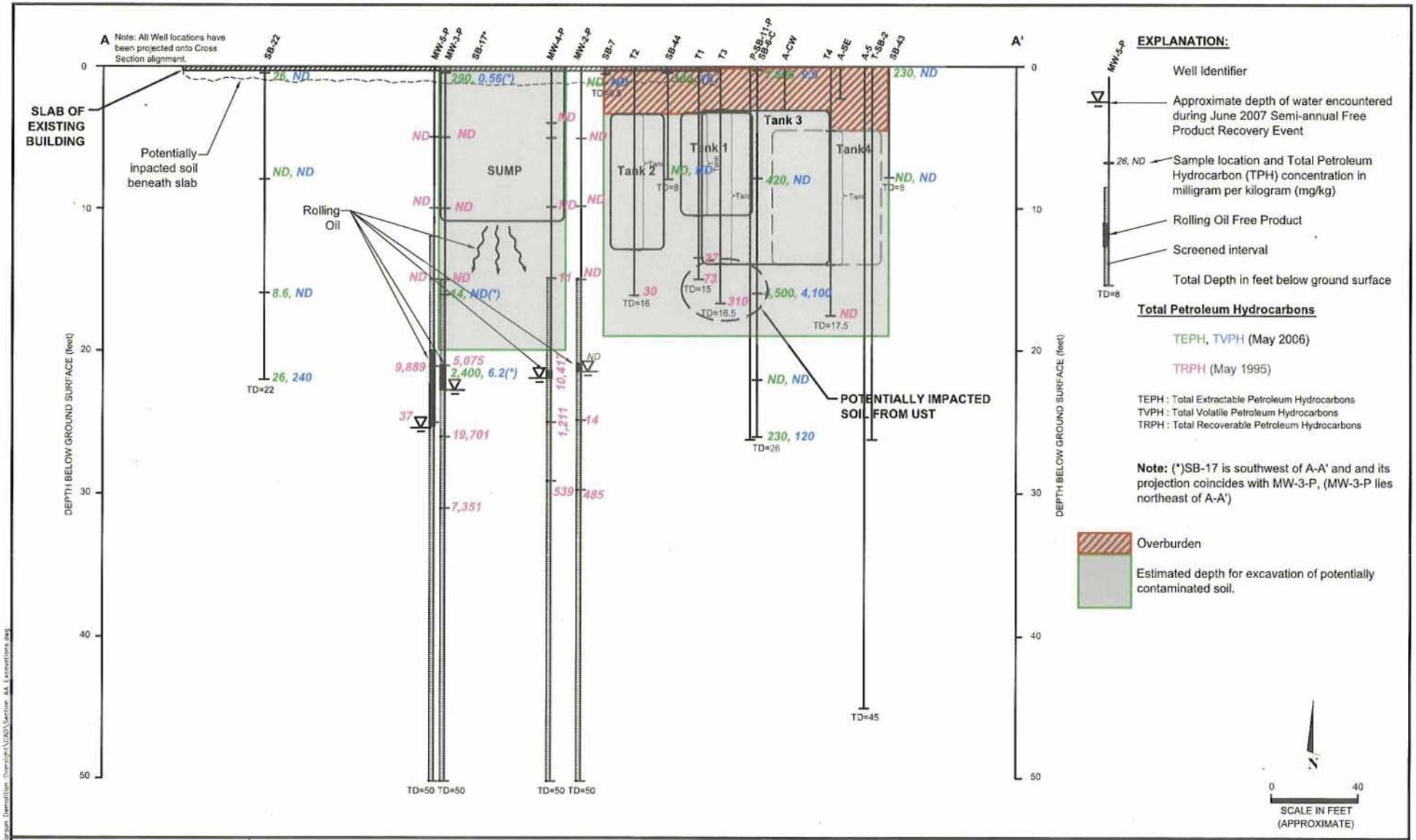
Proposed Contaminated Soil Excavation
2211 and 2241 East Carson Street
Carson, California

Figure
11

Drafter: EBH | Date: 11/5/07 | Contract Number: 06-467-T

I:\Catellus\06-467-T\CAD\Contamination.dwg



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Section A-A' - Proposed Contaminated Soil Excavation
Carson Aleris
Carson, California

Figure
12

Drafter: EBH

Date: 116/07

Contract Number: 06-467-T