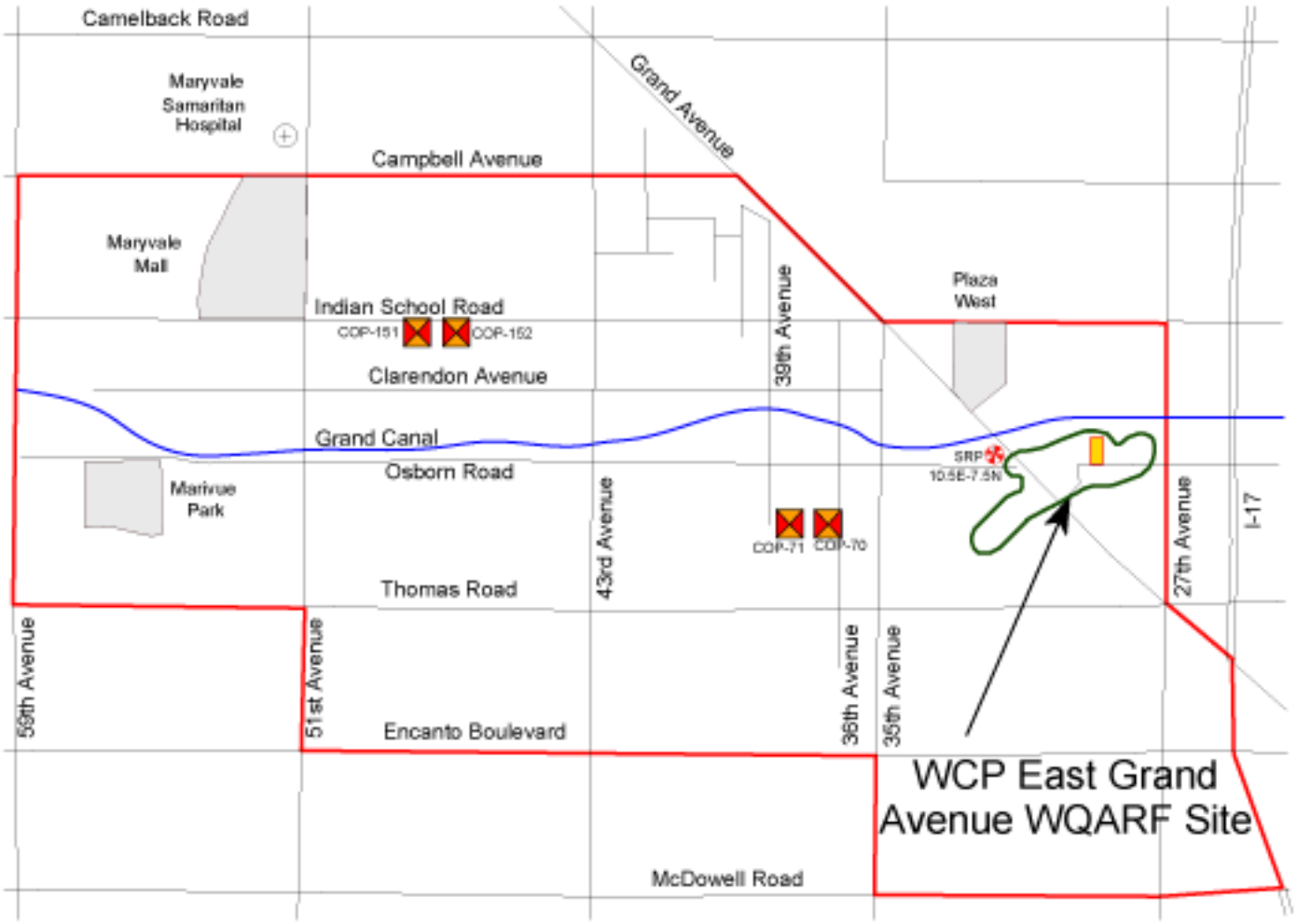


Legend

- Former West Central Phoenix Project Area Boundary
- WCP East Grand Avenue WQARF Site Boundary (as of June 2003)
- VW&R Facility
- Former City of Phoenix Municipal Wells
- SRP Production Well 10.5E-7.5N

N

Approximate Scale
1 inch = 3000 feet

0 1500 3000 6000

Figure 1-1
WCP East Grand Avenue WQARF Site

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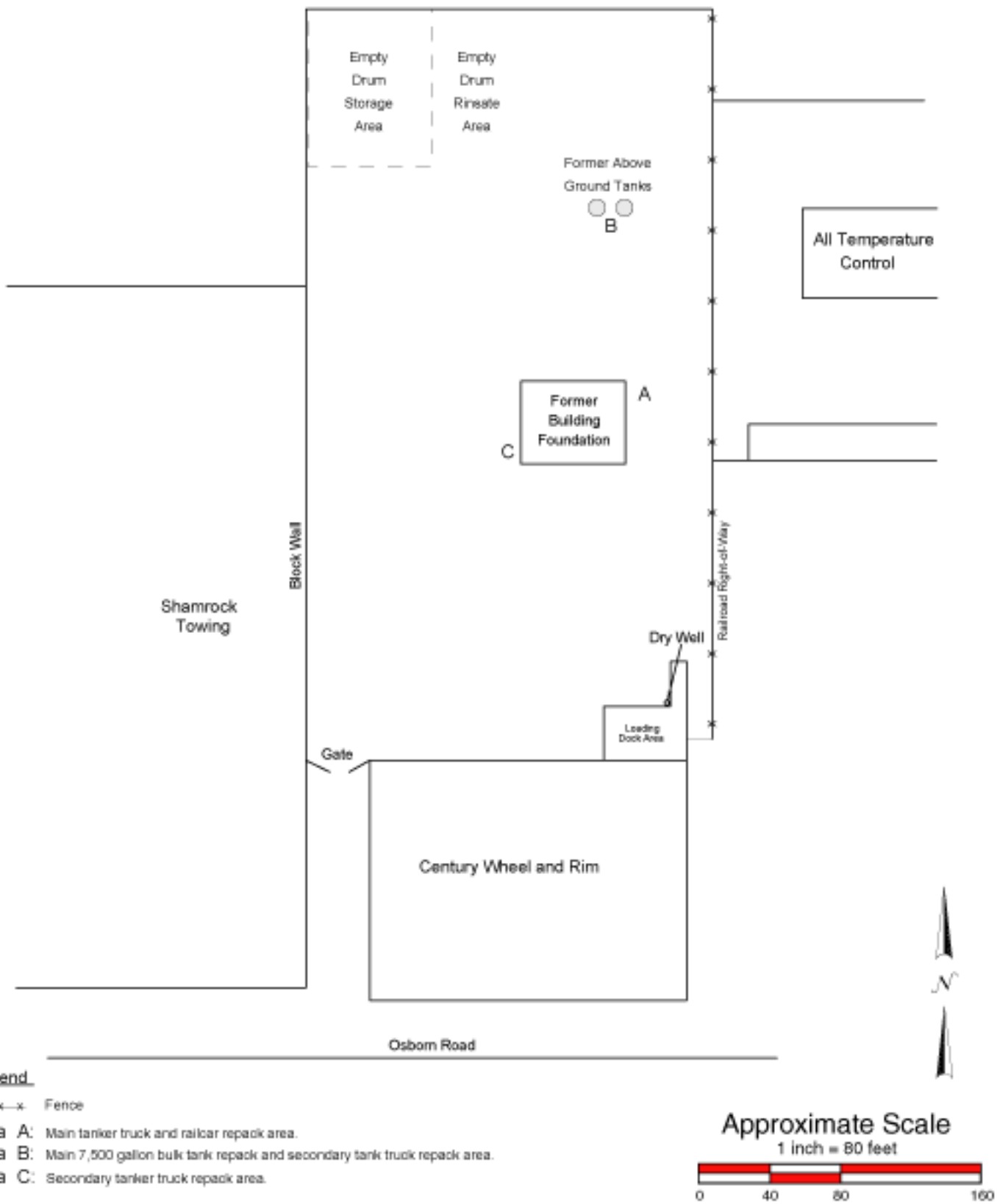


Legend

Fence

Area A: Main tanker truck and railcar repack area.

Area B: Main 7,500 gallon bulk tank repack and secondary tank truck repack area.

Area C: Secondary tanker truck repack area.

Figure 1-2
VW&R Facility Plan

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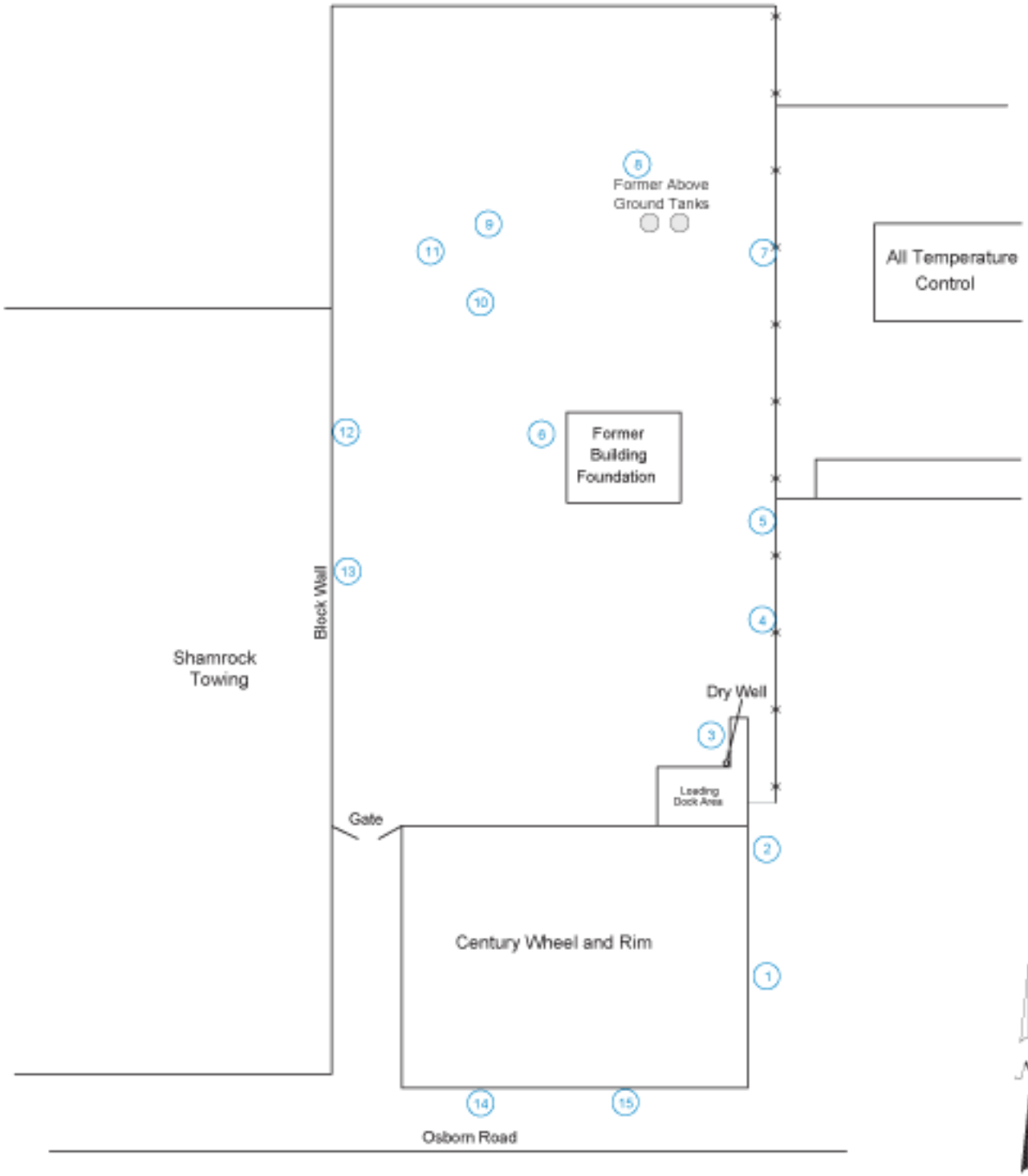


Legend

15 Soil / Soil-Gas sampling locations and sample identification number.

x—x—x Fence

Approximate Scale

1 inch = 80 feet

0 40 80 160

Figure 1-3
VW&R Site Inspection - ADEQ (1993)
Soil and Soil-Gas Sampling Locations

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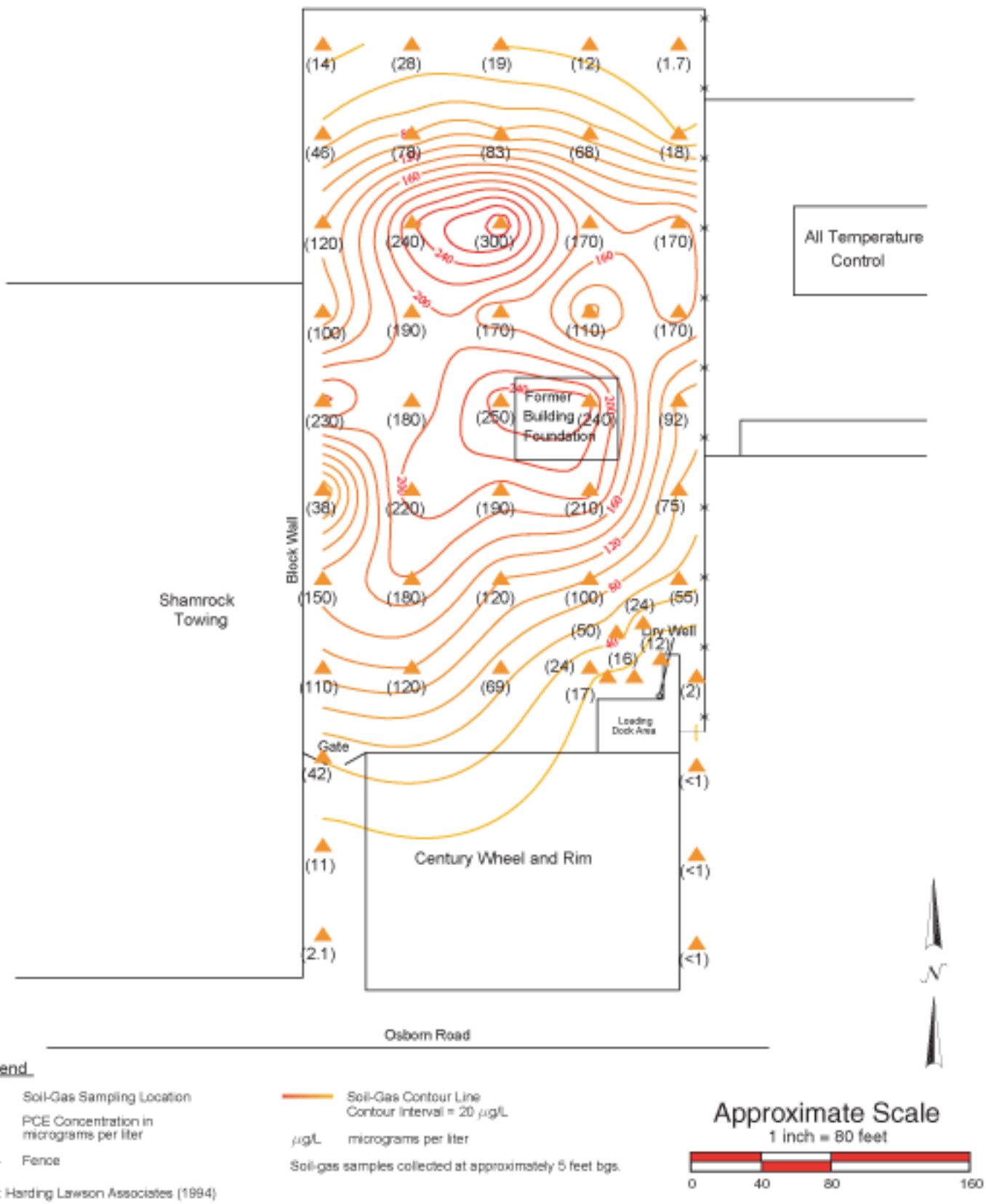
FSPAZ1 H:\AA\WCP EGA Rev\Figures\Section-1\Fig1-3_Soil-Gas-Sample-Locations.ai 05/2002




Source: Harding Lawson Associates (1994)

Figure 1-4
PCE Concentrations in Soil-Gas Samples
Soil-Gas Survey - HLA
(July 12-14, 1994)

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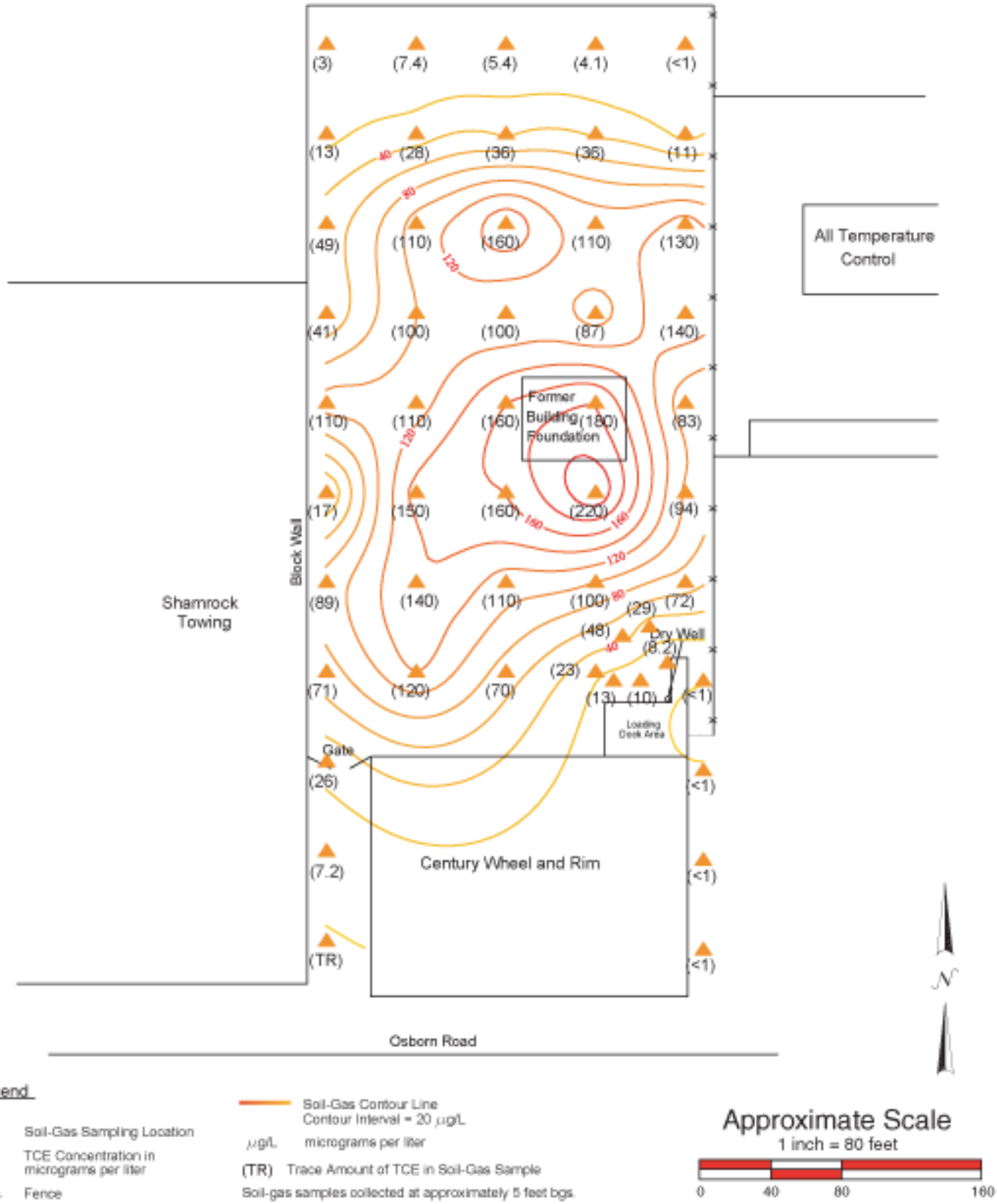


Figure 1-5
TCE Concentrations in Soil-Gas Samples
Soil-Gas Survey - HLA
(July 12-14, 1994)

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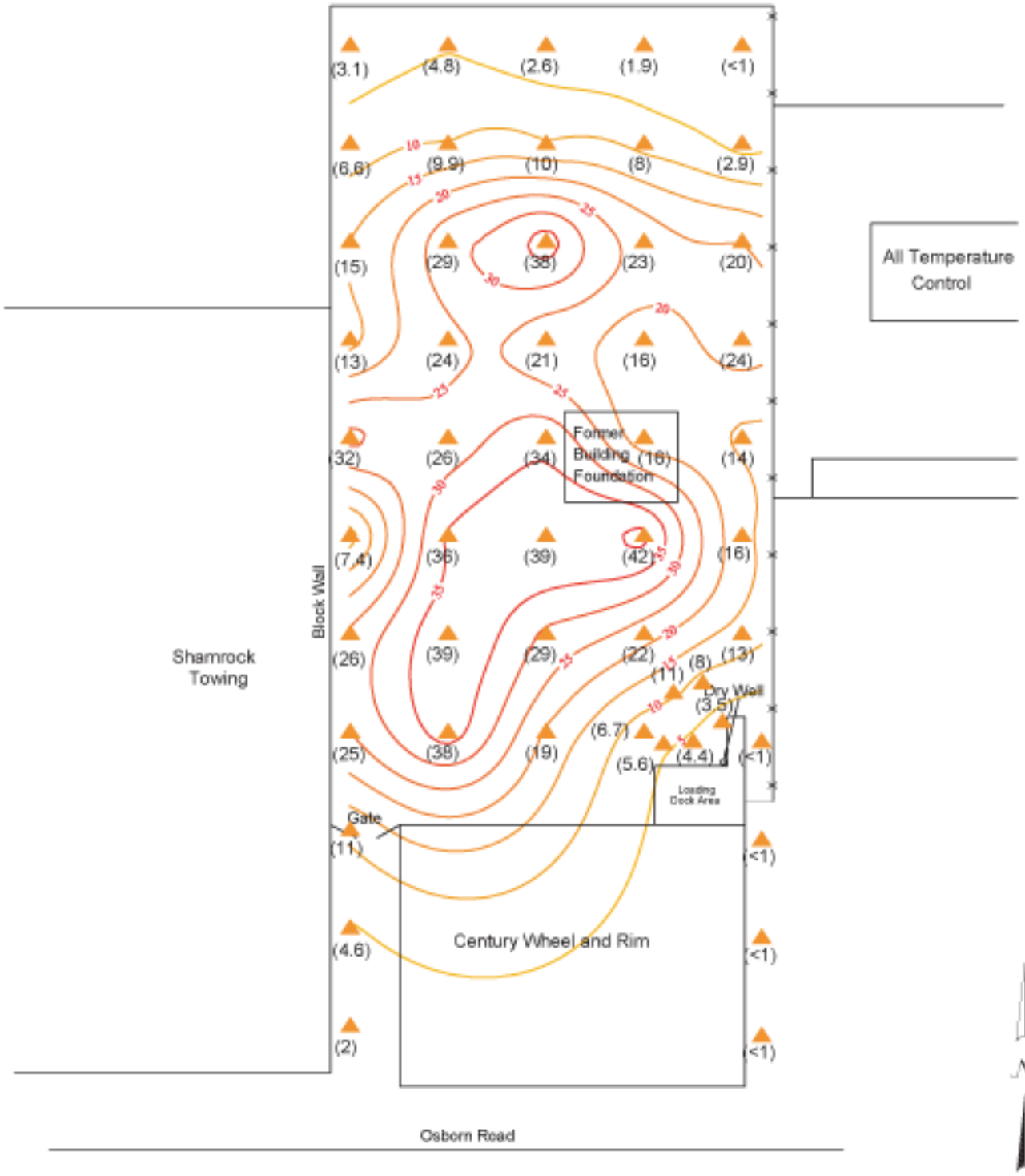


Legend

Soil-Gas Sampling Location

(21) 1,1-DCE Concentration in micrograms per liter

Fence

Soil-Gas Contour Line
Contour Interval = 5 µg/L

µg/L micrograms per liter

Soil-gas samples collected at approximately 5 feet bgs.

Approximate Scale
1 inch = 80 feet

0 40 80 160

Figure 1-6
1,1-DCE Concentrations in Soil-Gas Samples
Soil-Gas Survey - HLA
(July 12-14, 1994)

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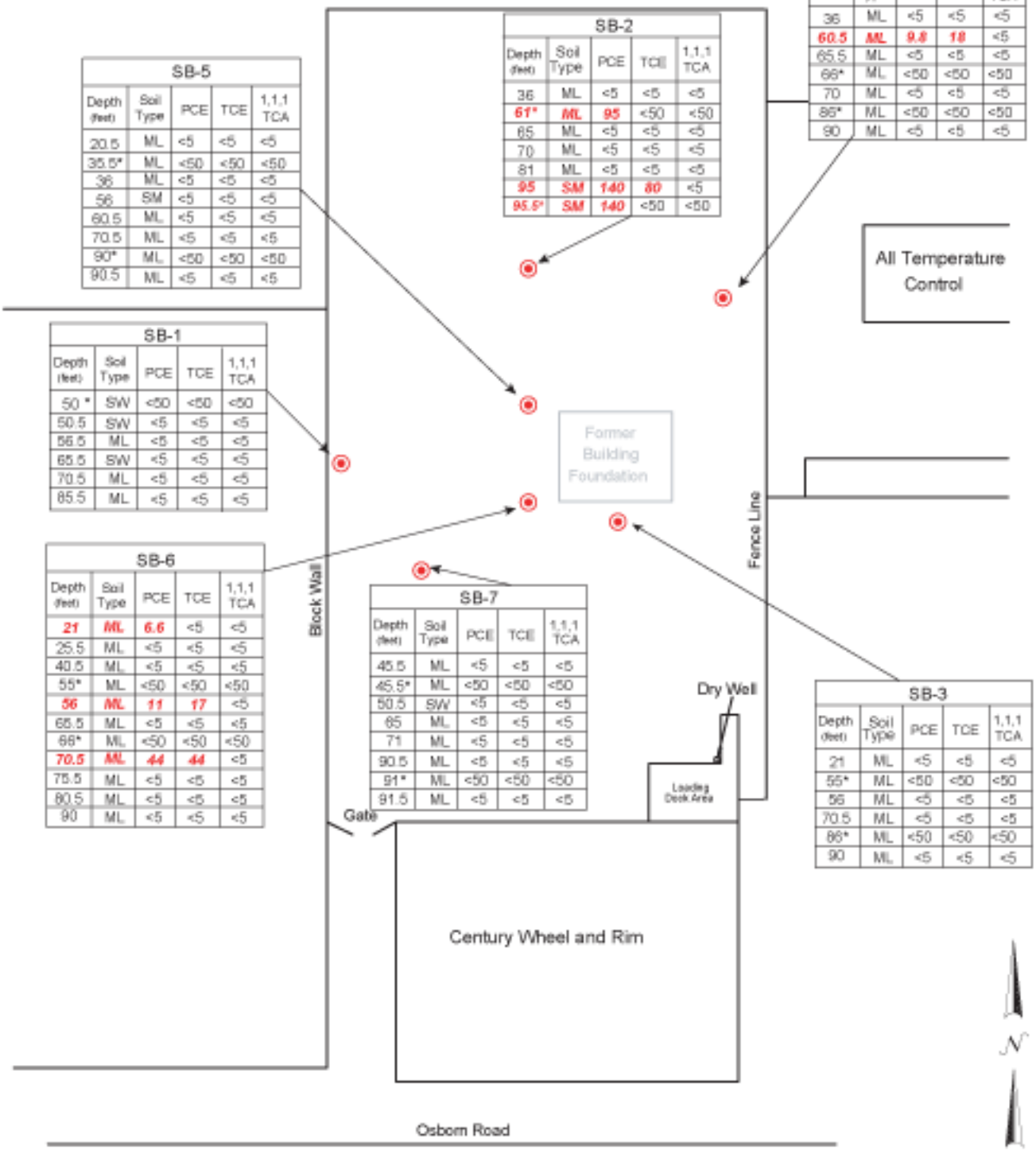
FSPAZ1 H:\WA\WCP EGA-RI\Figures\Section-1\Fig1-6_DCEconc0712-1494_contours.ai




**SB-5**

| Depth (feet) | Soil Type | PCE | TCE | 1,1,1 TCA |
|---|---|---|---|---|
| 20.5 | ML | <5 | <5 | <5 |
| 35.5* | ML | <50 | <50 | <50 |
| 36 | ML | <5 | <5 | <5 |
| 56 | SM | <5 | <5 | <5 |
| 60.5 | ML | <5 | <5 | <5 |
| 70.5 | ML | <5 | <5 | <5 |
| 90* | ML | <50 | <50 | <50 |
| 90.5 | ML | <5 | <5 | <5 |

**SB-2**

| Depth (feet) | Soil Type | PCE | TCE | 1,1,1 TCA |
|---|---|---|---|---|
| 36 | ML | <5 | <5 | <5 |
| ***61**** | ***ML*** | ***95*** | <50 | <50 |
| 65 | ML | <5 | <5 | <5 |
| 70 | ML | <5 | <5 | <5 |
| 81 | ML | <5 | <5 | <5 |
| ***95*** | ***SM*** | ***140*** | ***80*** | <5 |
| ***95.5**** | ***SM*** | ***140*** | <50 | <50 |

**SB-4**

| Depth (feet) | Soil Type | PCE | TCE | 1,1,1 TCA |
|---|---|---|---|---|
| 36 | ML | <5 | <5 | <5 |
| ***60.5*** | ***ML*** | ***9.8*** | ***18*** | <5 |
| 65.5 | ML | <5 | <5 | <5 |
| 66* | ML | <50 | <50 | <50 |
| 70 | ML | <5 | <5 | <5 |
| 86* | ML | <50 | <50 | <50 |
| 90 | ML | <5 | <5 | <5 |

**SB-1**

| Depth (feet) | Soil Type | PCE | TCE | 1,1,1 TCA |
|---|---|---|---|---|
| 50 * | SW | <50 | <50 | <50 |
| 50.5 | SW | <5 | <5 | <5 |
| 56.5 | ML | <5 | <5 | <5 |
| 65.5 | SW | <5 | <5 | <5 |
| 70.5 | ML | <5 | <5 | <5 |
| 85.5 | ML | <5 | <5 | <5 |

**SB-6**

| Depth (feet) | Soil Type | PCE | TCE | 1,1,1 TCA |
|---|---|---|---|---|
| ***21*** | ***ML*** | ***6.6*** | <5 | <5 |
| 25.5 | ML | <5 | <5 | <5 |
| 40.5 | ML | <5 | <5 | <5 |
| 55* | ML | <50 | <50 | <50 |
| ***56*** | ***ML*** | ***11*** | ***17*** | <5 |
| 65.5 | ML | <5 | <5 | <5 |
| 66* | ML | <50 | <50 | <50 |
| ***70.5*** | ***ML*** | ***44*** | ***44*** | <5 |
| 75.5 | ML | <5 | <5 | <5 |
| 80.5 | ML | <5 | <5 | <5 |
| 90 | ML | <5 | <5 | <5 |

**SB-7**

| Depth (feet) | Soil Type | PCE | TCE | 1,1,1 TCA |
|---|---|---|---|---|
| 45.5 | ML | <5 | <5 | <5 |
| 45.5* | ML | <50 | <50 | <50 |
| 50.5 | SW | <5 | <5 | <5 |
| 65 | ML | <5 | <5 | <5 |
| 71 | ML | <5 | <5 | <5 |
| 90.5 | ML | <5 | <5 | <5 |
| 91* | ML | <50 | <50 | <50 |
| 91.5 | ML | <5 | <5 | <5 |

**SB-3**

| Depth (feet) | Soil Type | PCE | TCE | 1,1,1 TCA |
|---|---|---|---|---|
| 21 | ML | <5 | <5 | <5 |
| 55* | ML | <50 | <50 | <50 |
| 56 | ML | <5 | <5 | <5 |
| 70.5 | ML | <5 | <5 | <5 |
| 86* | ML | <50 | <50 | <50 |
| 90 | ML | <5 | <5 | <5 |

Legend

- Soil Boring (HLA, 1995)
- * Earth Tech Sample
- ***21*** Bold/Italic font indicates result above detection limit

Source: Harding Lawson Associates (1995)

NOTE: All concentrations in (µg/kg) micrograms per kilogram

Approximate Scale
1 inch = 80 feet
0 40 80 160

Figure 1-7
Soil Analytical Results
Subsurface Soil Investigation - HLA
(December 1994)

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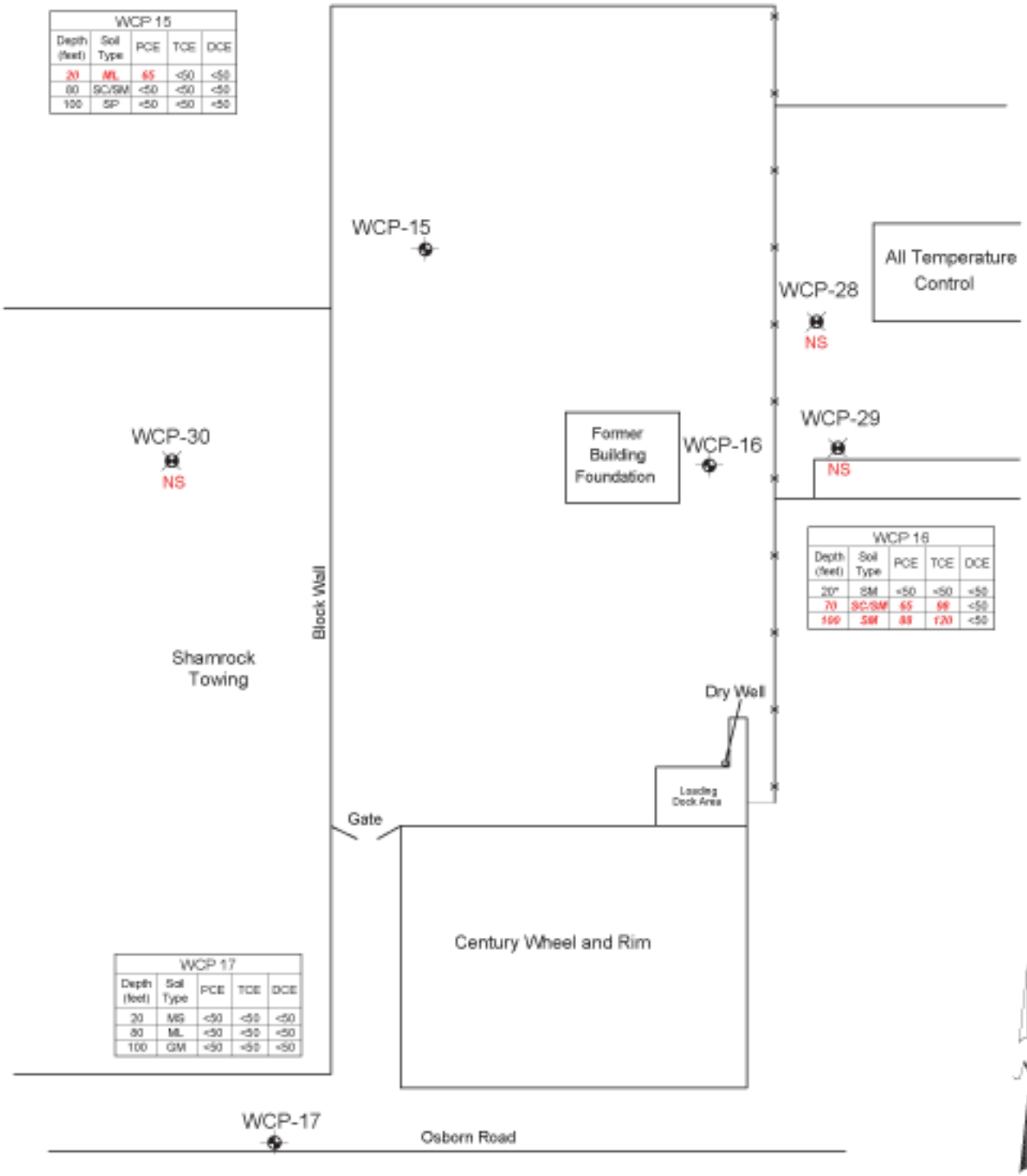


| WCP 15 | | | | |
|---|---|---|---|---|
| Depth (feet) | Soil Type | PCE | TCE | DCE |
| ***20*** | ***ML*** | ***65*** | <50 | <50 |
| 60 | SC/SM | <50 | <50 | <50 |
| 100 | SP | <50 | <50 | <50 |

| WCP 16 | | | | |
|---|---|---|---|---|
| Depth (feet) | Soil Type | PCE | TCE | DCE |
| 20* | SM | <50 | <50 | <50 |
| ***70*** | ***SC/SM*** | ***65*** | ***98*** | <50 |
| ***100*** | ***SM*** | ***88*** | ***120*** | <50 |

| WCP 17 | | | | |
|---|---|---|---|---|
| Depth (feet) | Soil Type | PCE | TCE | DCE |
| 20 | MS | <50 | <50 | <50 |
| 80 | ML | <50 | <50 | <50 |
| 100 | GM | <50 | <50 | <50 |

Legend

- Phase I Monitor Well (Fluor Daniel, 1997)
- Phase II Monitor Well (Roy F. Weston, 1998)
- ***21*** Bold/Italic font indicates result above detection limit
- Fence
- NS Not Sampled
- µg/kg Concentration Units

Approximate Scale
1 inch = 80 feet
0 40 80 160

Figure 1-8
Phase I Soil Sample Analytical Results and Phases I & II Monitor Well Locations
WCP East Grand Avenue
Remedial Investigation

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