SDMS DOCID# 1110547

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01/22/2007 04:13 PM

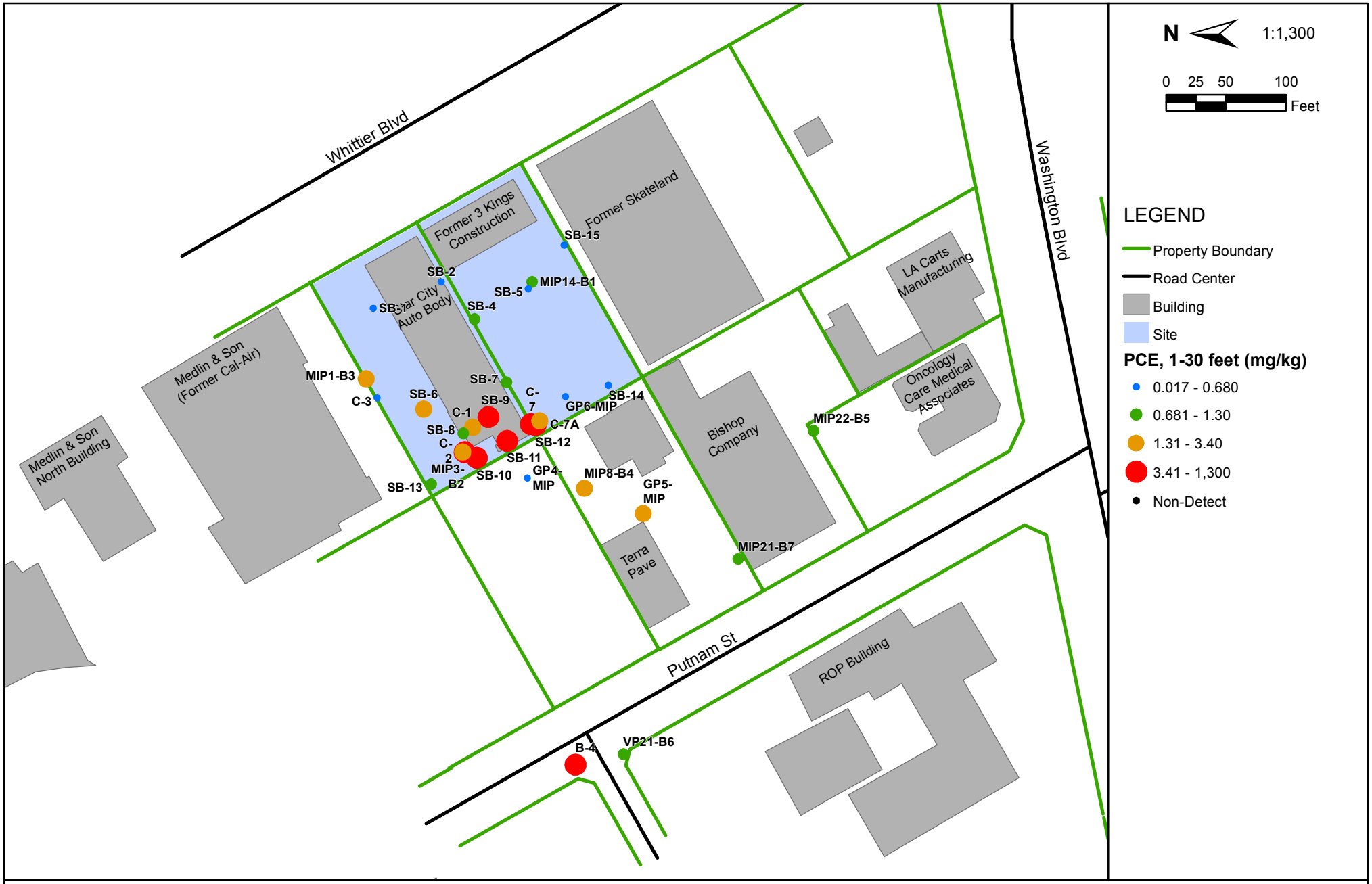
To Christopher Lichens/R9/USEPA/US@EPA
cc tperina@ch2m.com, LParnass@dtsc.ca.gov, Ed Modiano <edm@demaximis.com>, chamberlindc@exprod6og53.obsmtp.com, "Eisenbeis, John"
bcc
Subject Omega Draft RI Report Sections 4 and 5 Figures

History: This message has been forwarded.

Chris - Section 4 (Figures 4-1 through 4-37) and Section 5 (Figures 5-1 and 5-2) figures from the draft RI report are attached, for your use. This concludes the electronic submittal of the RI report. All Section 4 and 5 figures are color and 8.5 x 11 size. Hard copies of the entire document will go out in tomorrow mornings mail.

Regards, Sharon

S4_and_S5_Figures.pdf

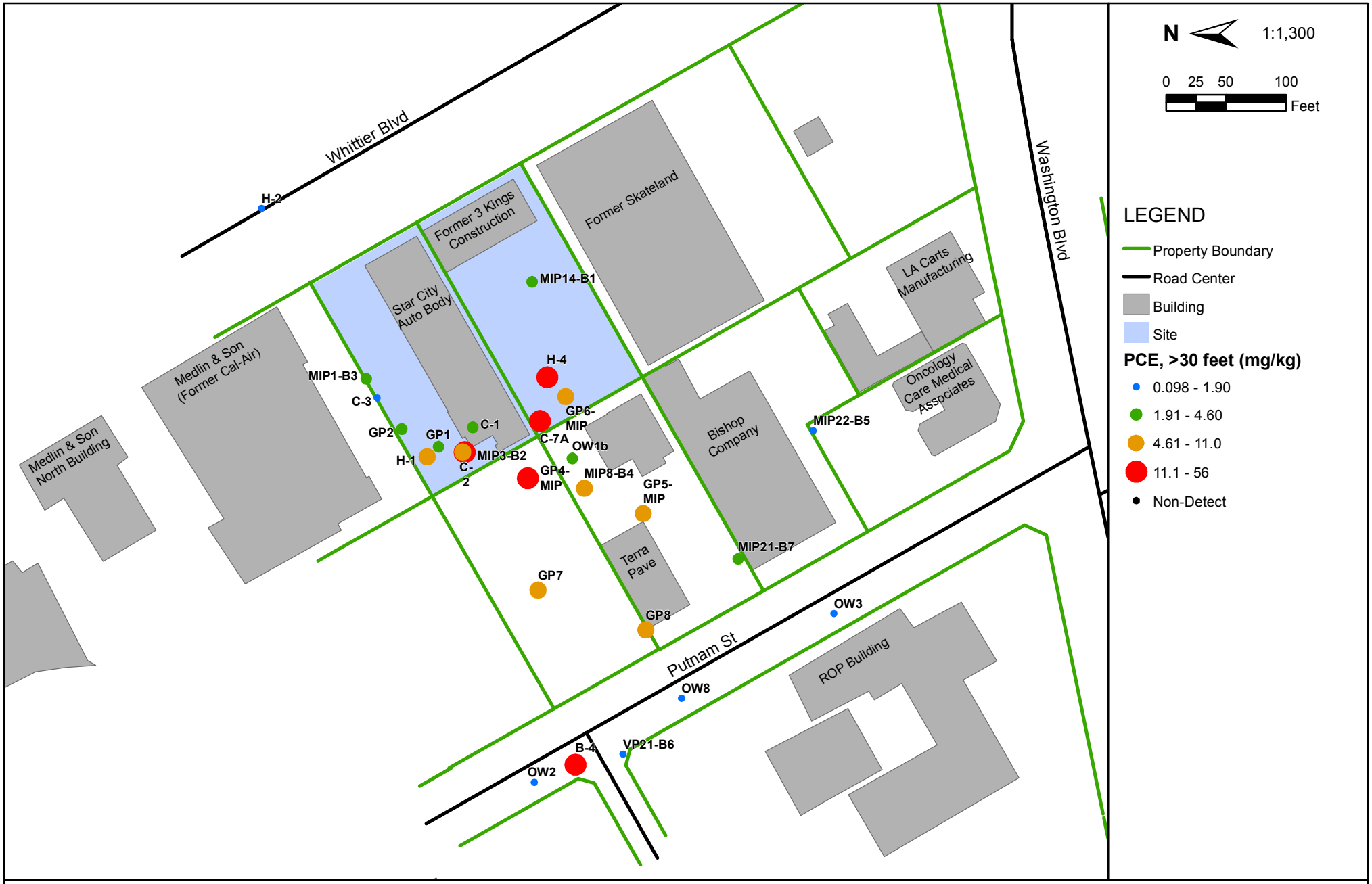


OMEGA CHEMICAL

Soil Concentration Distribution (1-30 feet)
Tetrachloroethene (PCE)

CDM

FIGURE 4-1



OMEGA CHEMICAL

Soil Concentration Distribution (>30 feet)
Tetrachloroethene (PCE)

CDM

FIGURE 4-2

OMEGA CHEMICAL

Soil Concentration Distribution (1-30 feet)
Trichloroethene (TCE)

CDM

FIGURE 4-3

OMEGA CHEMICAL

Soil Concentration Distribution (1-30 feet)
Total Freons

CDM

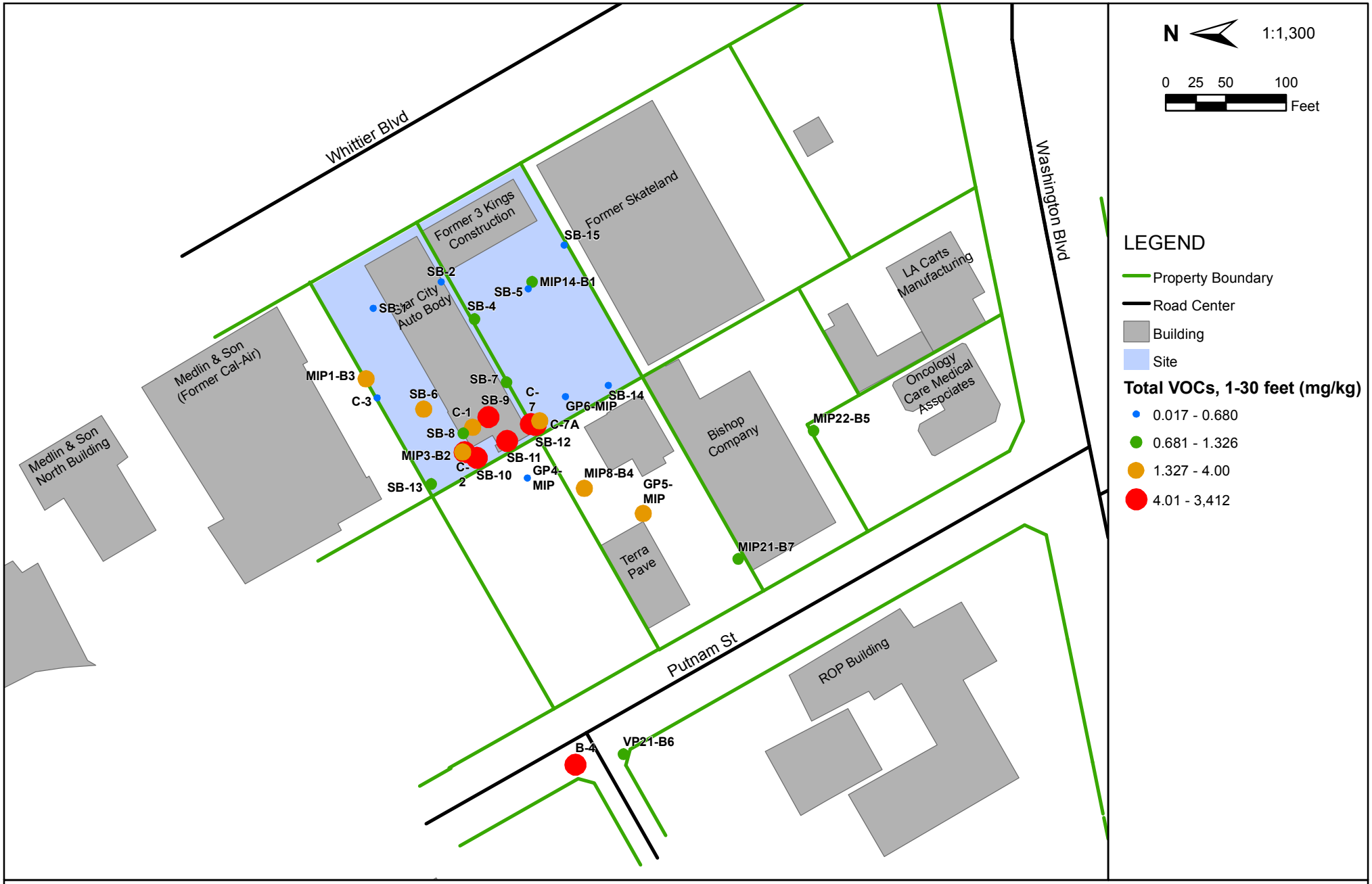
FIGURE 4-4

OMEGA CHEMICAL

Soil Concentration Distribution (>30 feet)
Total Freons

CDM

FIGURE 4-5



OMEGA CHEMICAL

Soil Concentration Distribution (1-30 feet)
Total VOCs

CDM

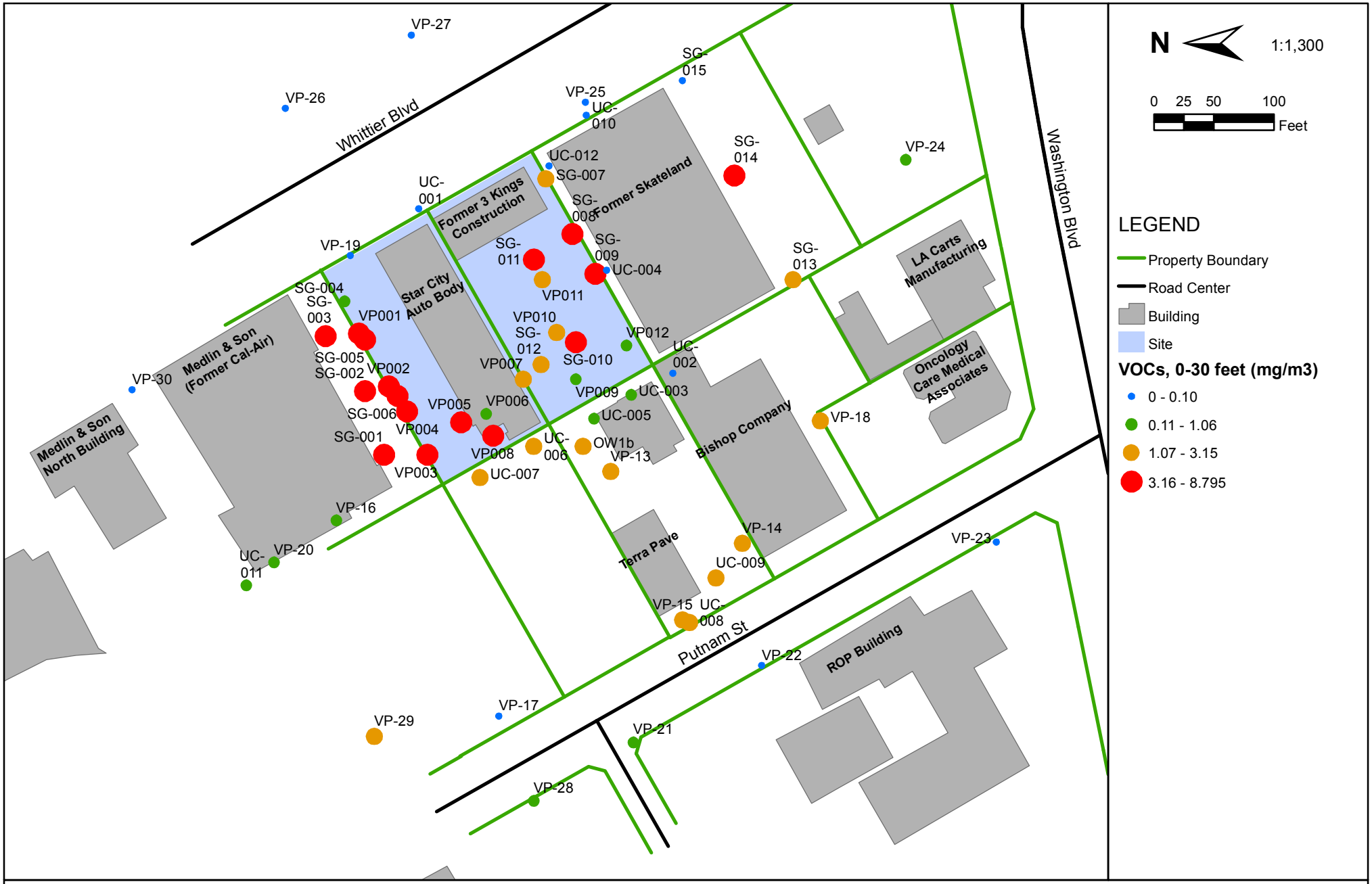
FIGURE 4-6

OMEGA CHEMICAL

Soil Concentration Distribution (>30 feet)
Total VOCs

CDM

FIGURE 4-7



OMEGA CHEMICAL

Soil Vapor Concentrations (0-30 feet)
Total VOCs

CDM

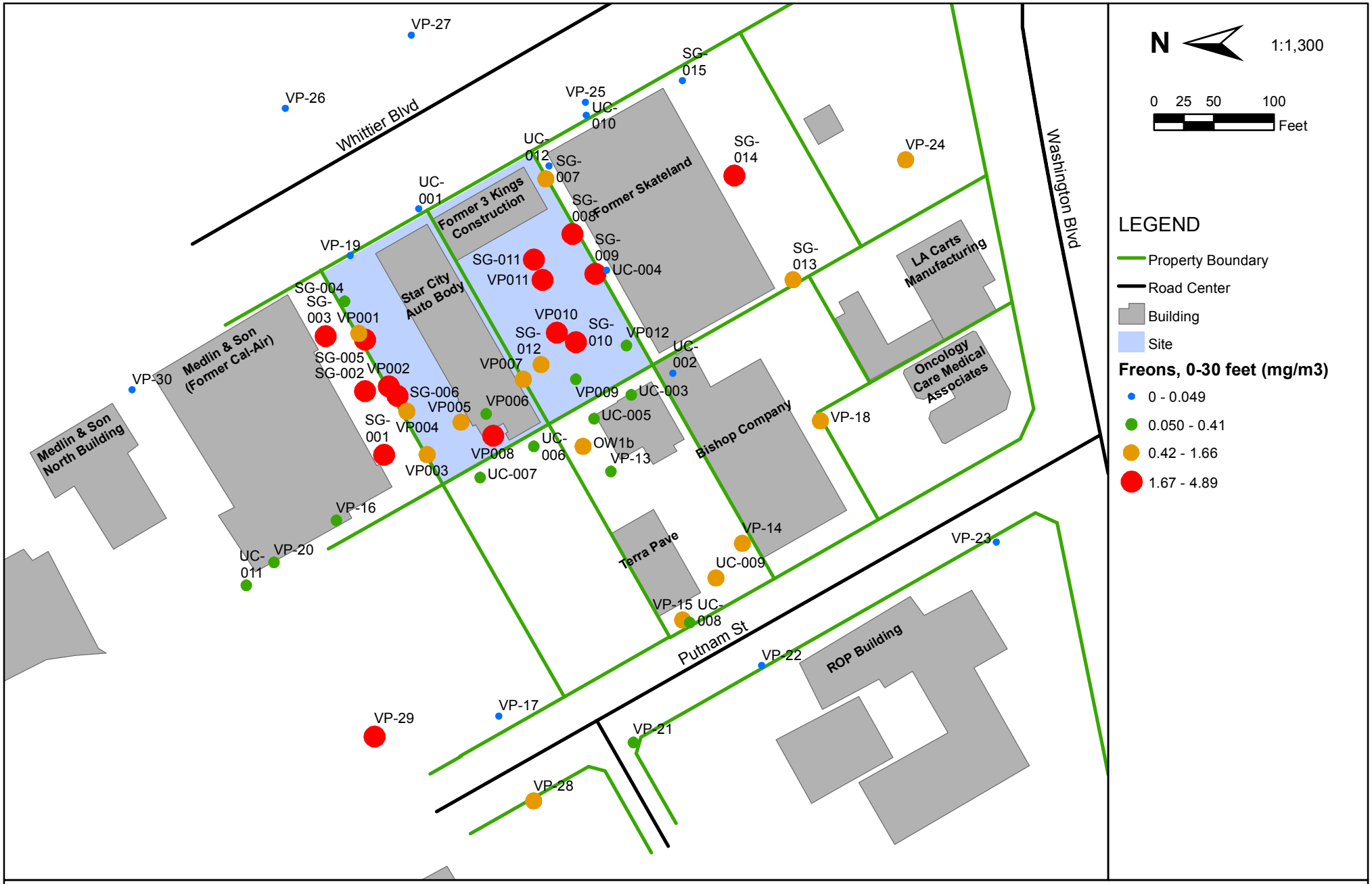
FIGURE 4-8

OMEGA CHEMICAL

Soil Vapor Concentrations (>30 feet)
Total VOCs

CDM

FIGURE 4-9



OMEGA CHEMICAL

Soil Vapor Concentrations (0-30 feet)
Freons

CDM

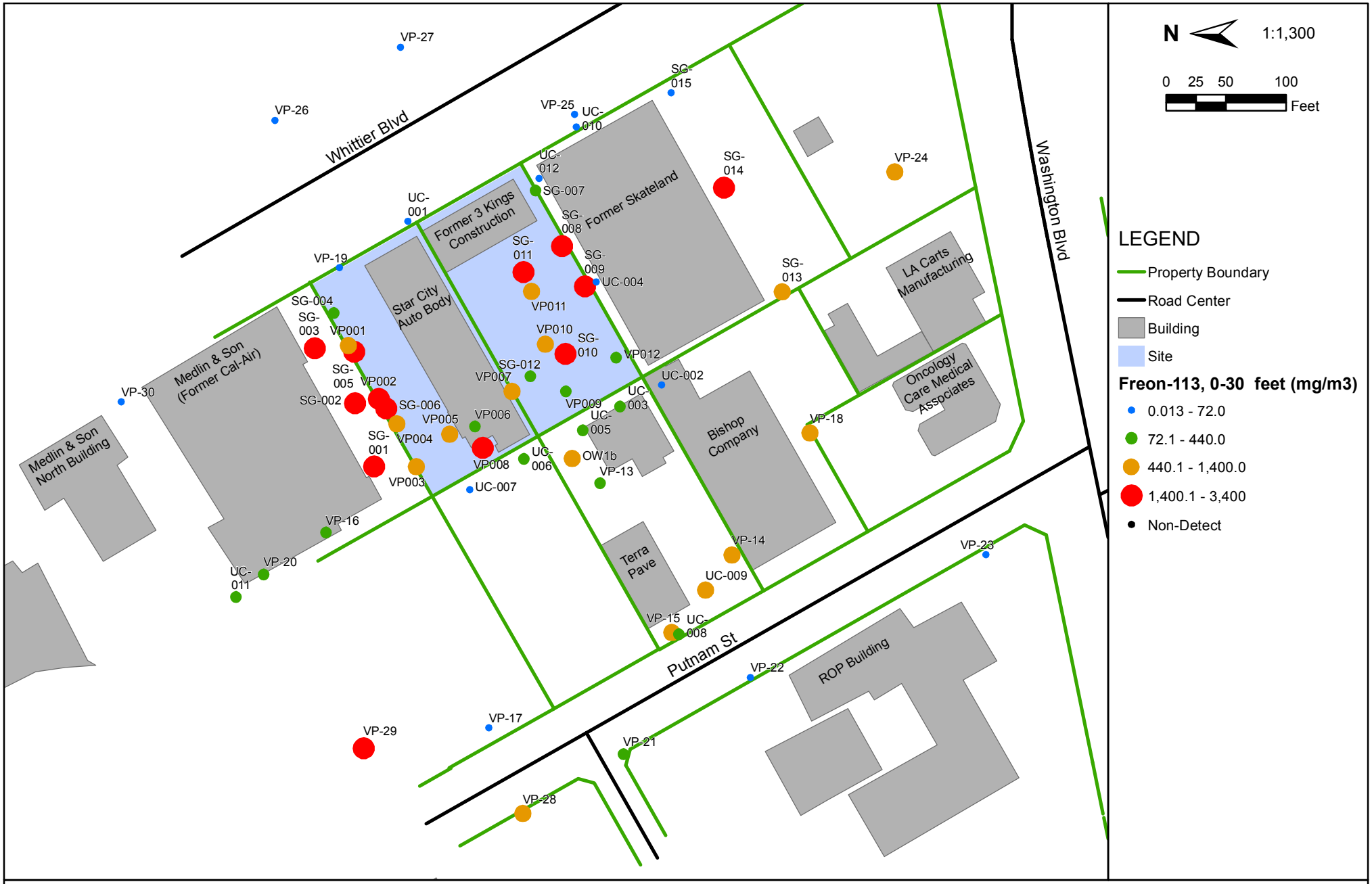
FIGURE 4-10

OMEGA CHEMICAL

Soil Vapor Concentrations (>30 feet)
Freons

CDM

FIGURE 4-11



OMEGA CHEMICAL

Soil Vapor Concentrations (0-30 feet)
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)

CDM

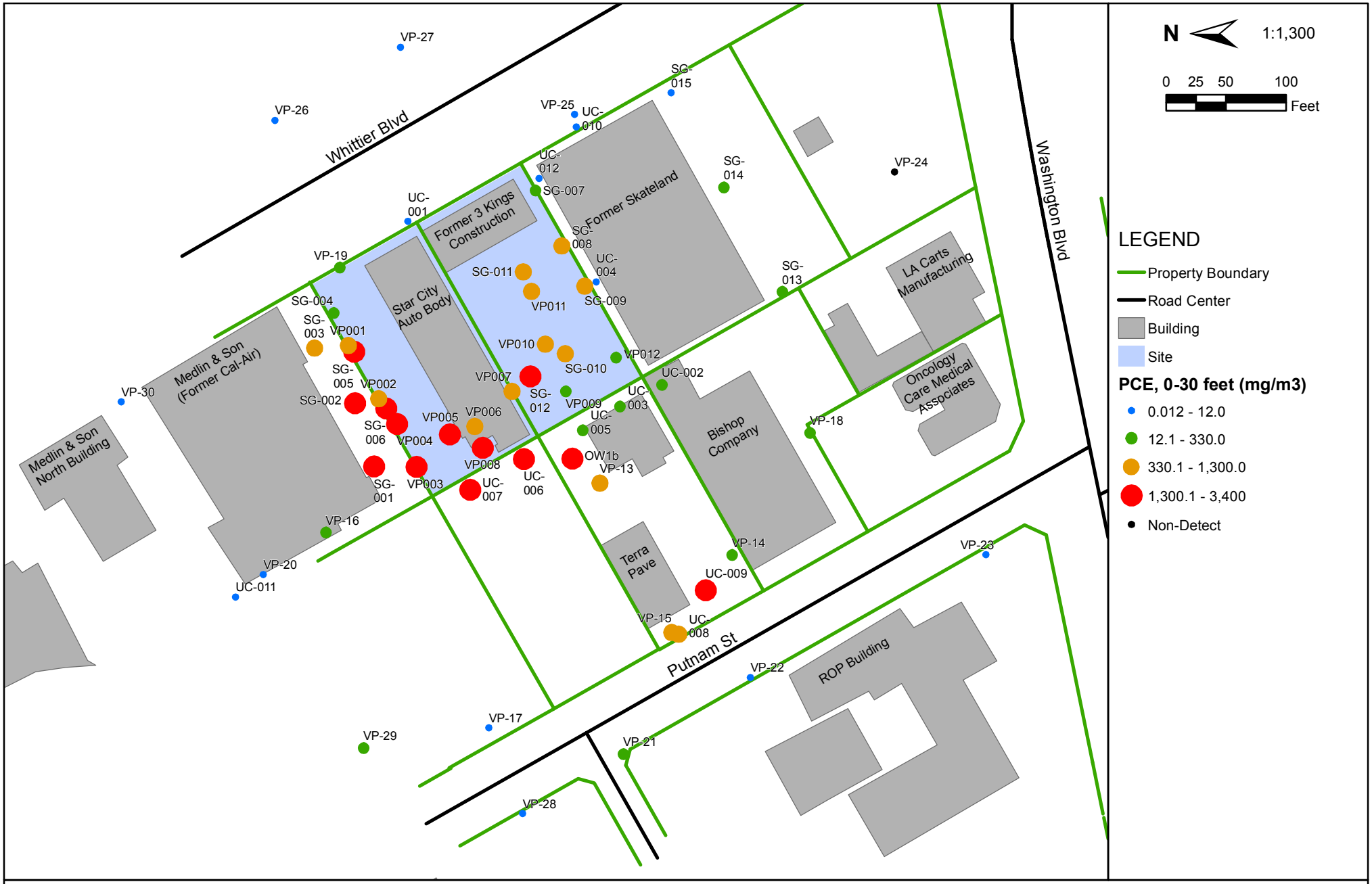
FIGURE 4-12

OMEGA CHEMICAL

Soil Vapor Concentrations (>30 feet)
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)

CDM

FIGURE 4-13



OMEGA CHEMICAL

Soil Vapor Concentrations (0-30 feet)
Tetrachloroethene (PCE)

FIGURE 4-14

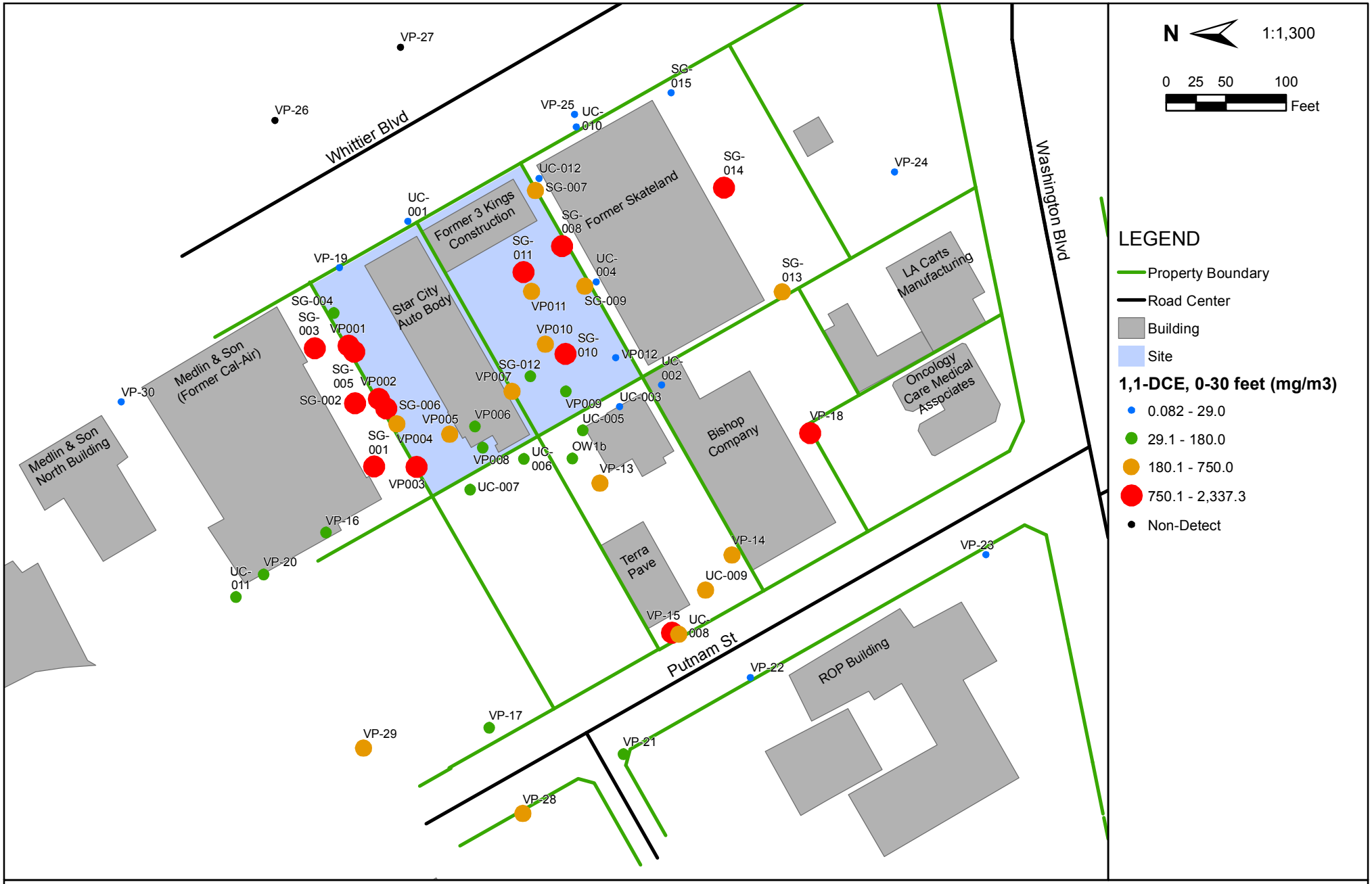
CDM

OMEGA CHEMICAL

Soil Vapor Concentrations (>30 feet)
Tetrachloroethene (PCE)

FIGURE 4-15

CDM



OMEGA CHEMICAL

Soil Vapor Concentrations (0-30 feet)
1,1-Dichloroethene (1,1-DCE)

CDM

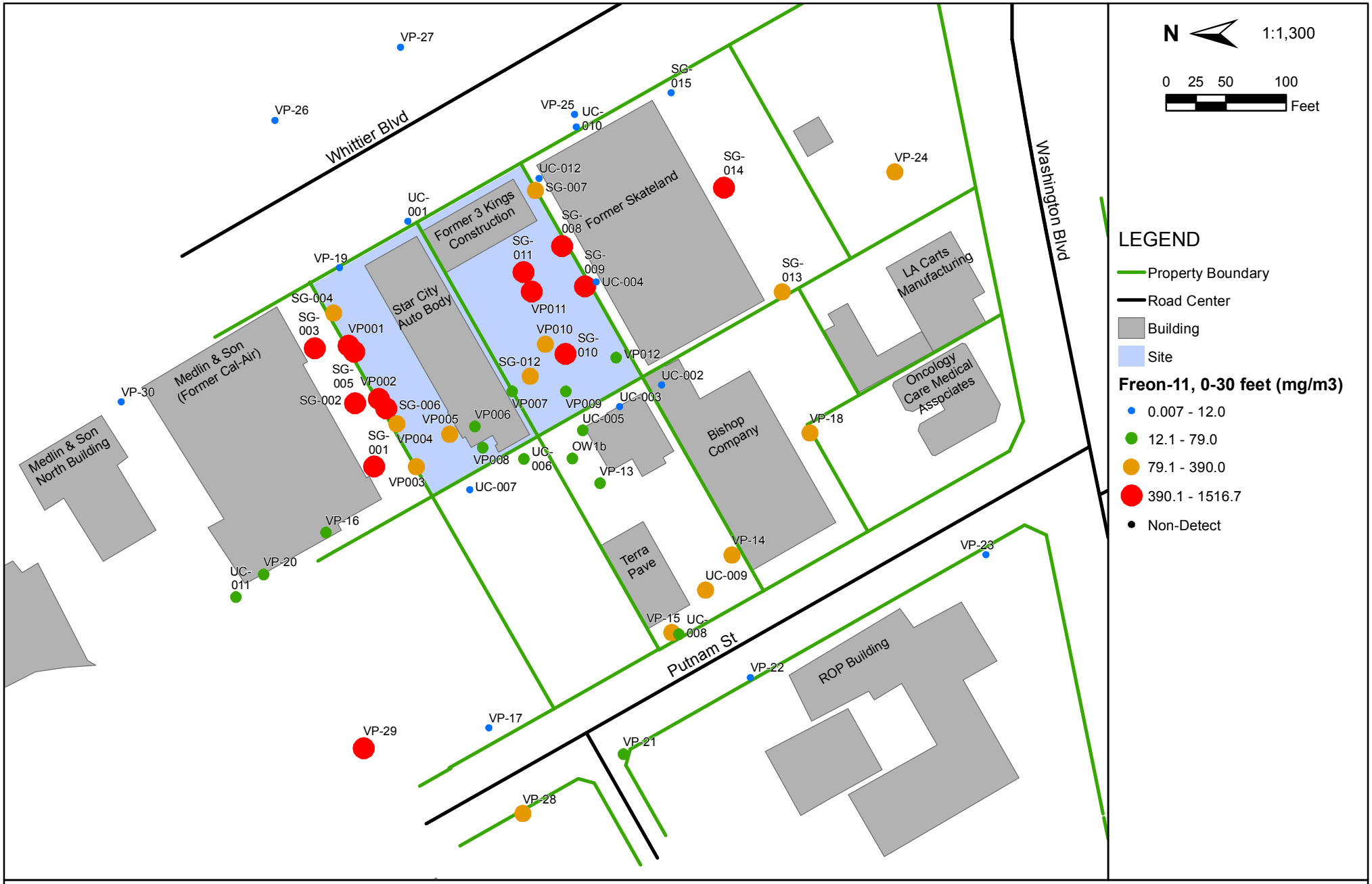
FIGURE 4-16

OMEGA CHEMICAL

Soil Vapor Concentrations (>30 feet)
1,1-Dichloroethene (1,1-DCE)

CDM

FIGURE 4-17



OMEGA CHEMICAL

Soil Vapor Concentrations (0-30 feet)
Trichlorofluoromethane (Freon-11)

FIGURE 4-18

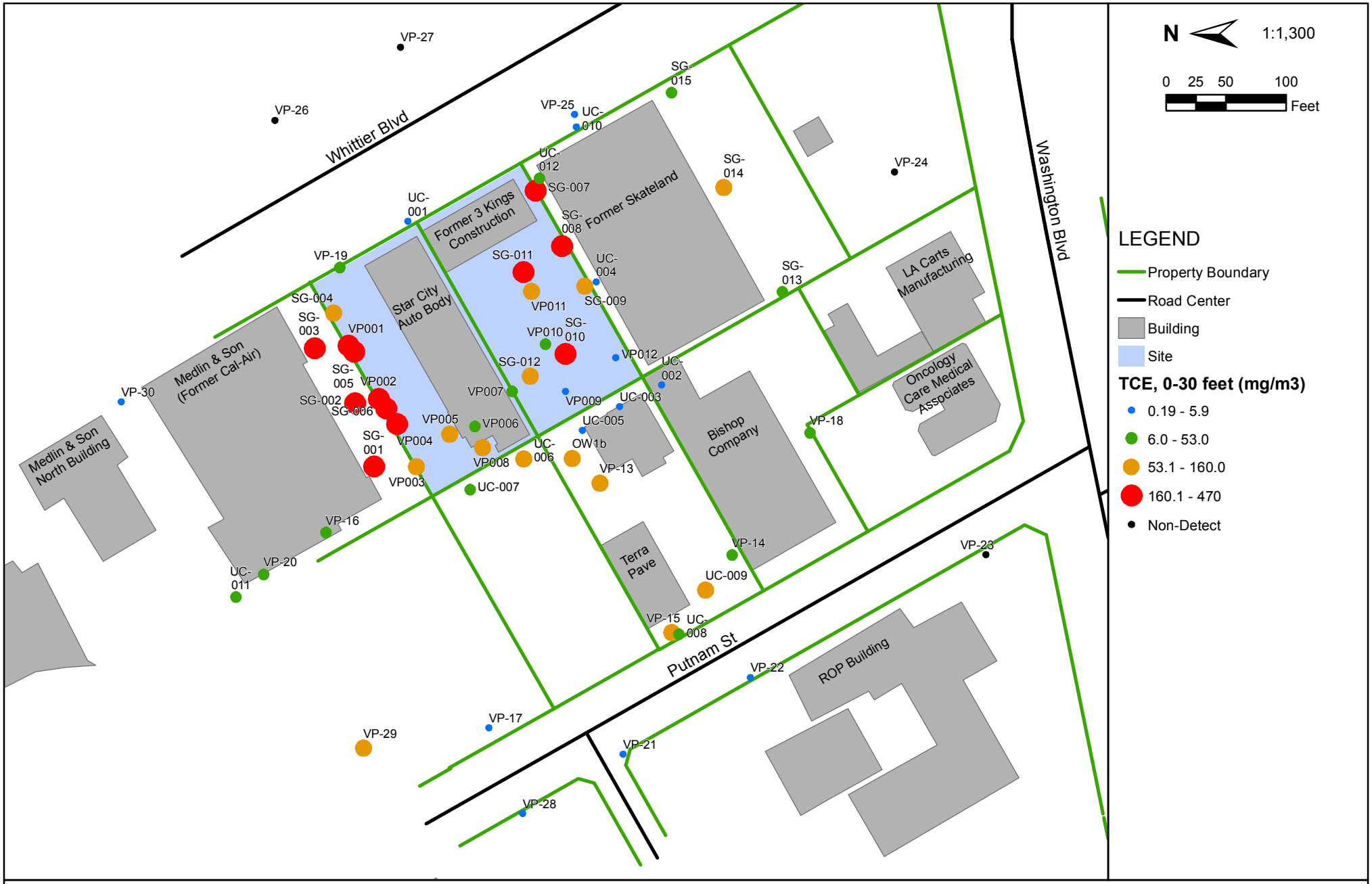
CDM

OMEGA CHEMICAL

Soil Vapor Concentrations (>30 feet)
Trichlorofluoromethane (Freon-11)

CDM

FIGURE 4-19



OMEGA CHEMICAL

Soil Vapor Concentrations (0-30 feet)
Trichloroethene (TCE)

FIGURE 4-20

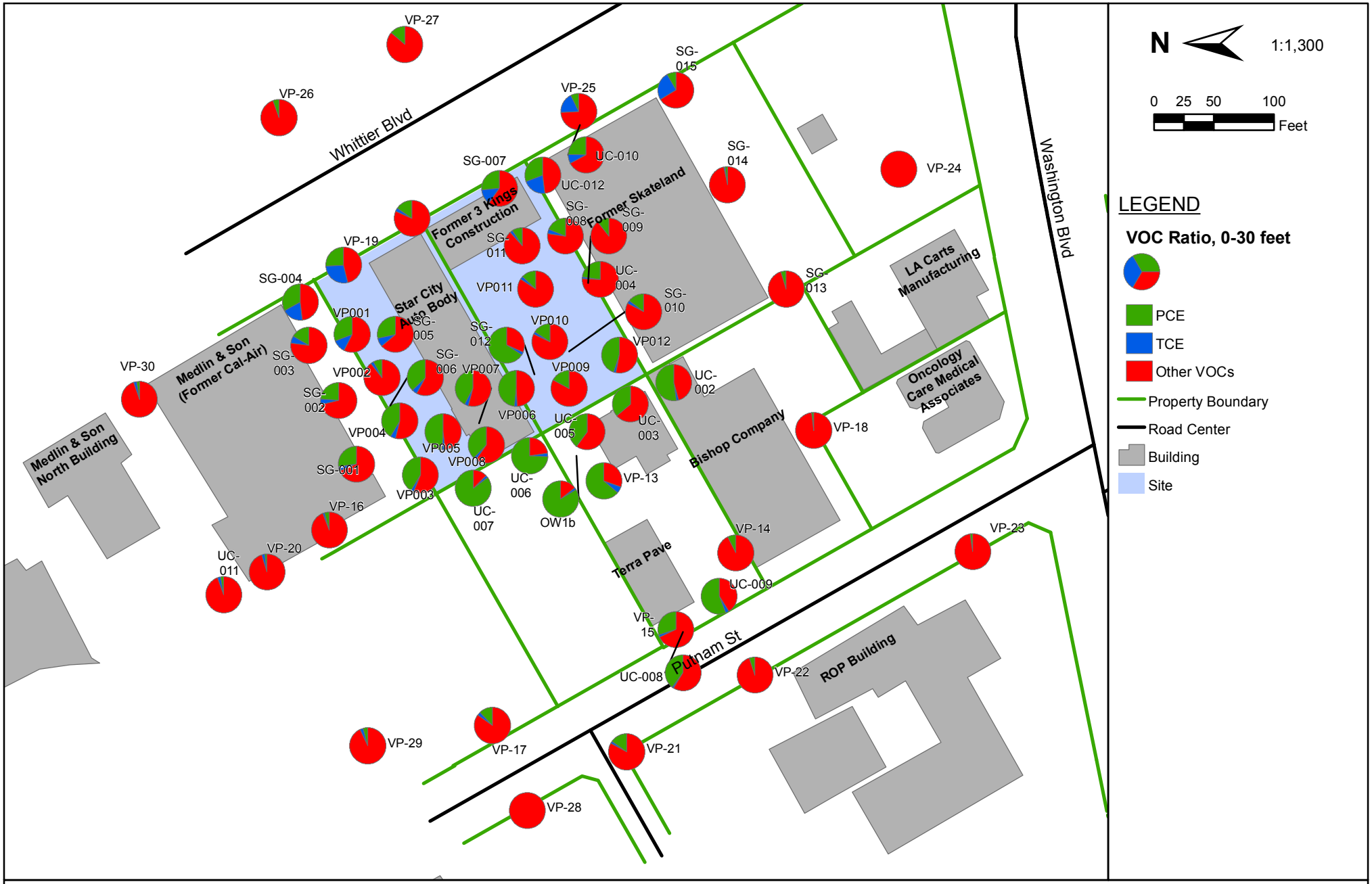
CDM

OMEGA CHEMICAL

Soil Vapor Concentrations (>30 feet)
Trichloroethene (TCE)

FIGURE 4-21

CDM

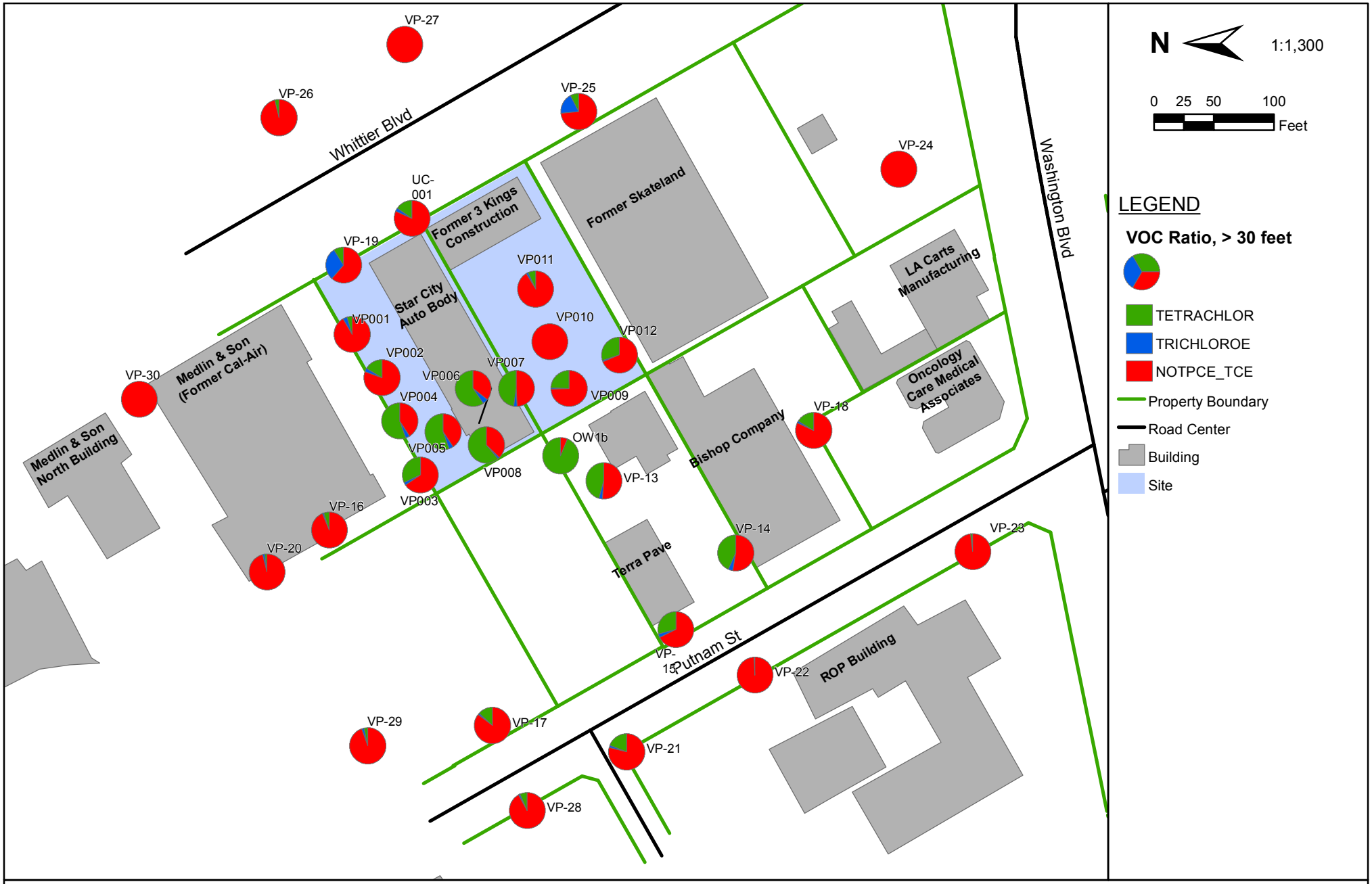


OMEGA CHEMICAL

Soil Vapor Concentrations (0-30 feet)

CDM

FIGURE 4-22

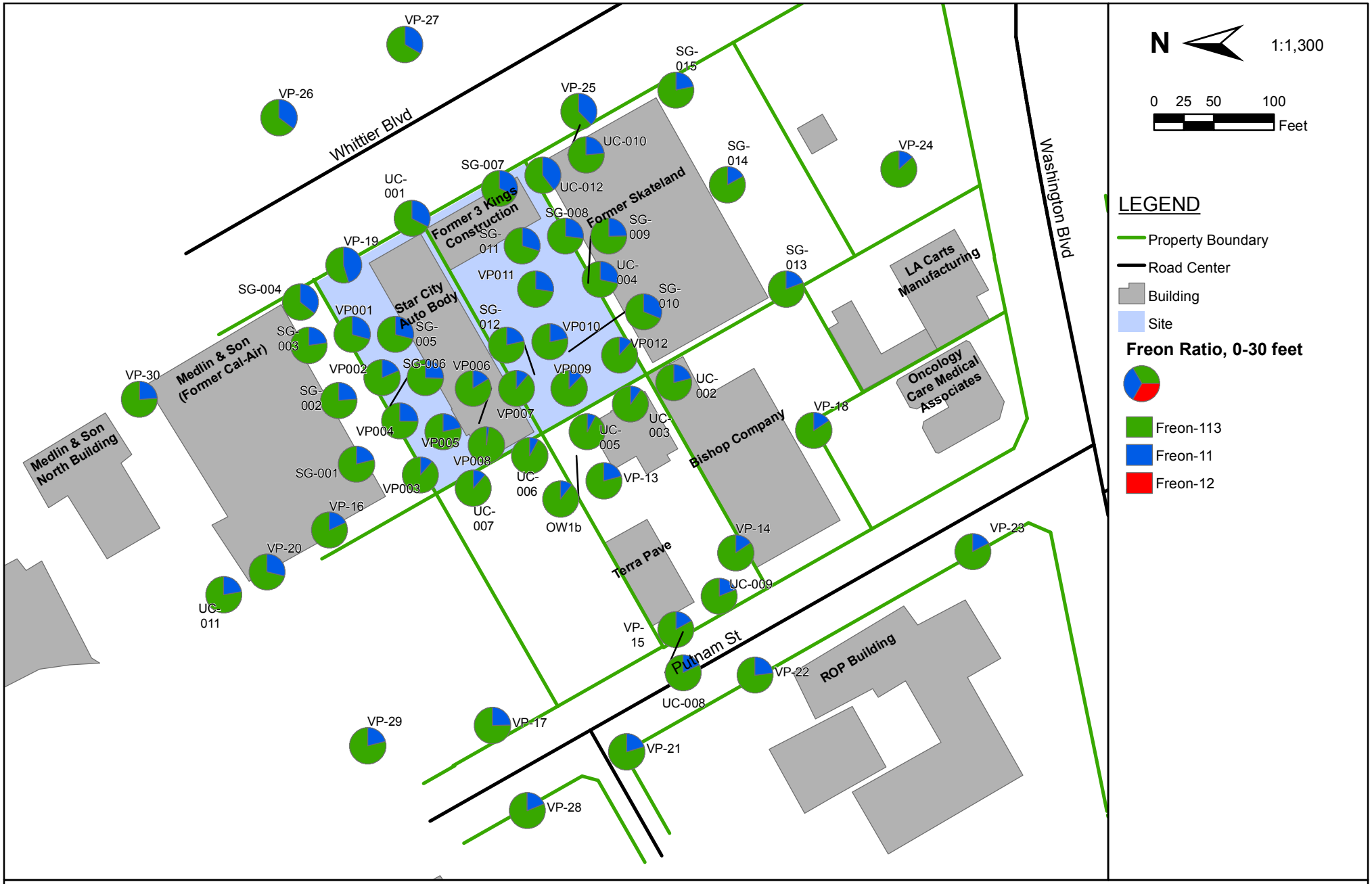


OMEGA CHEMICAL

Soil Vapor Concentrations (>30 feet)

CDM

FIGURE 4-23

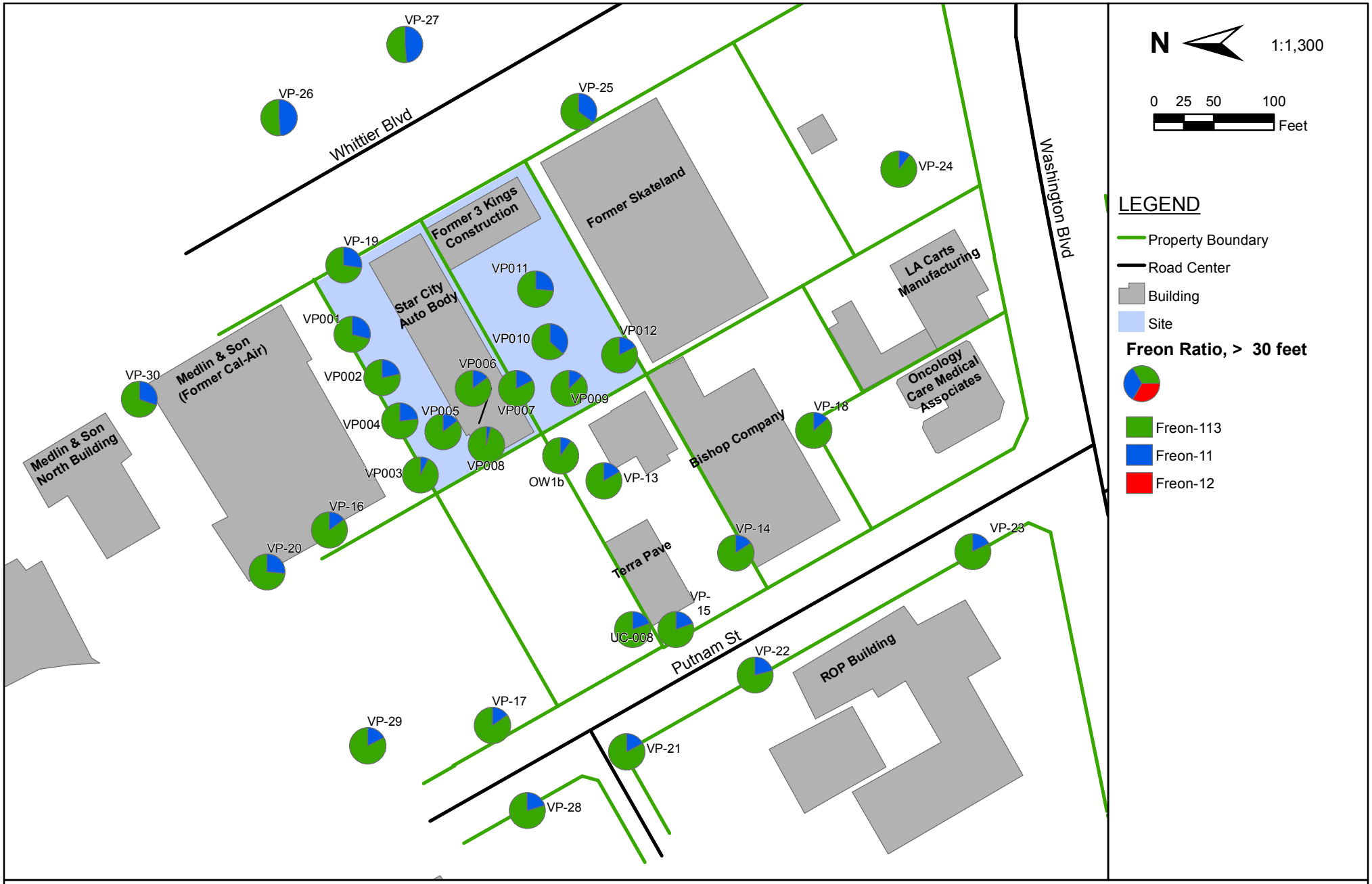


OMEGA CHEMICAL

Soil Vapor Concentrations (0-30 feet)

CDM

FIGURE 4-24

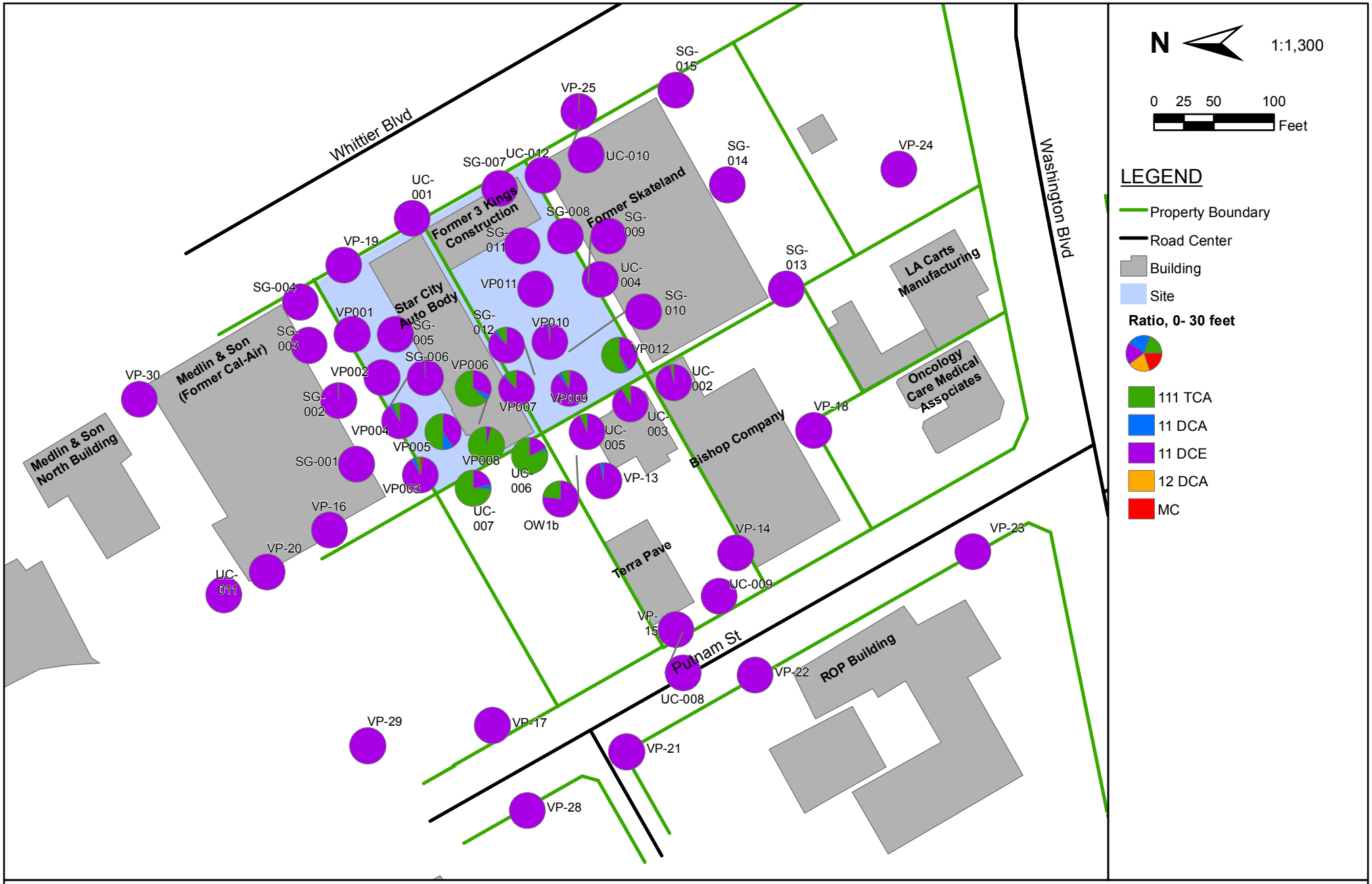


OMEGA CHEMICAL

Soil Vapor Concentrations (>30 feet)

CDM

FIGURE 4-25

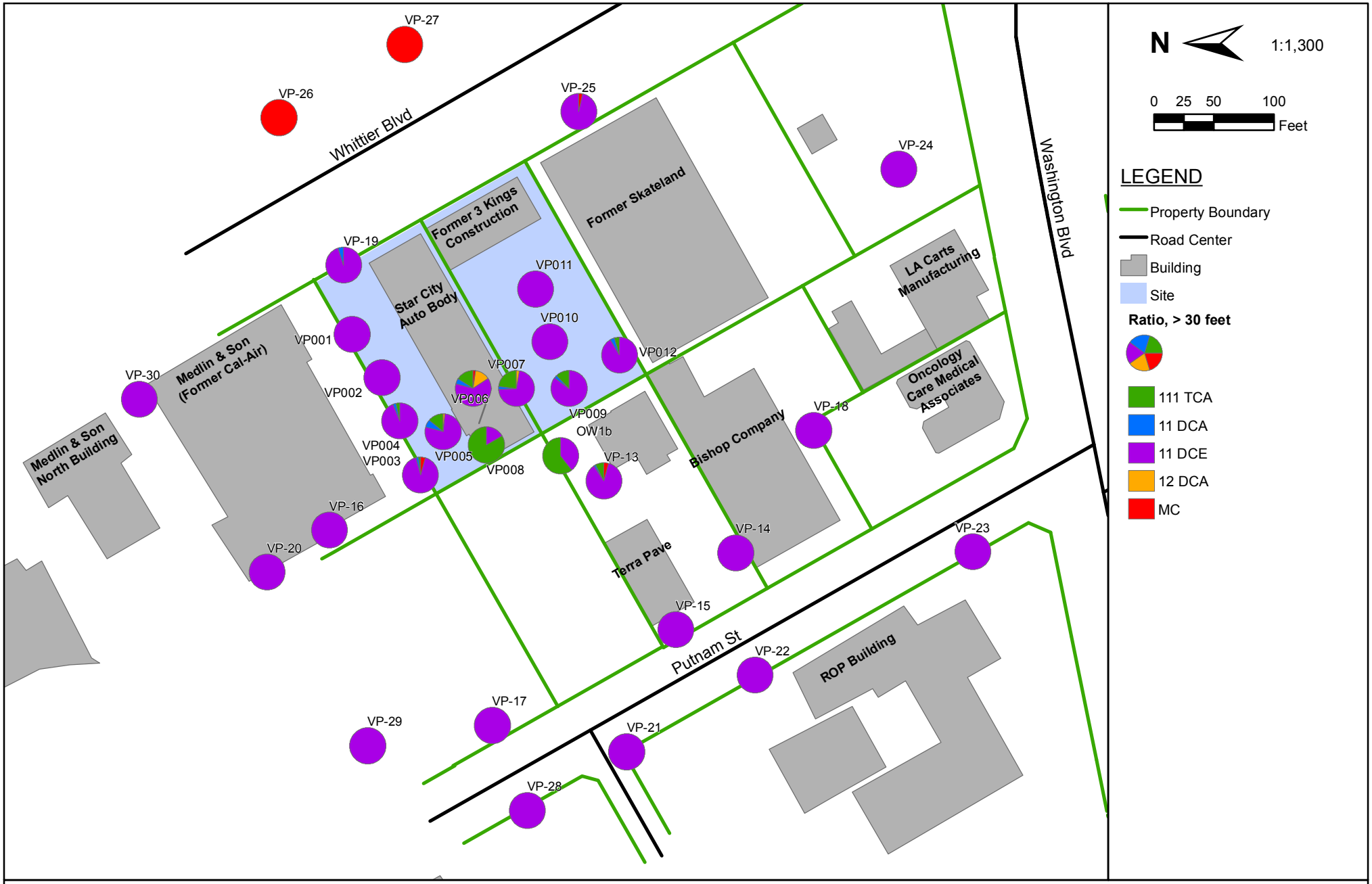


OMEGA CHEMICAL

Soil Vapor Concentrations (0-30 feet)

CDM

FIGURE 4-26

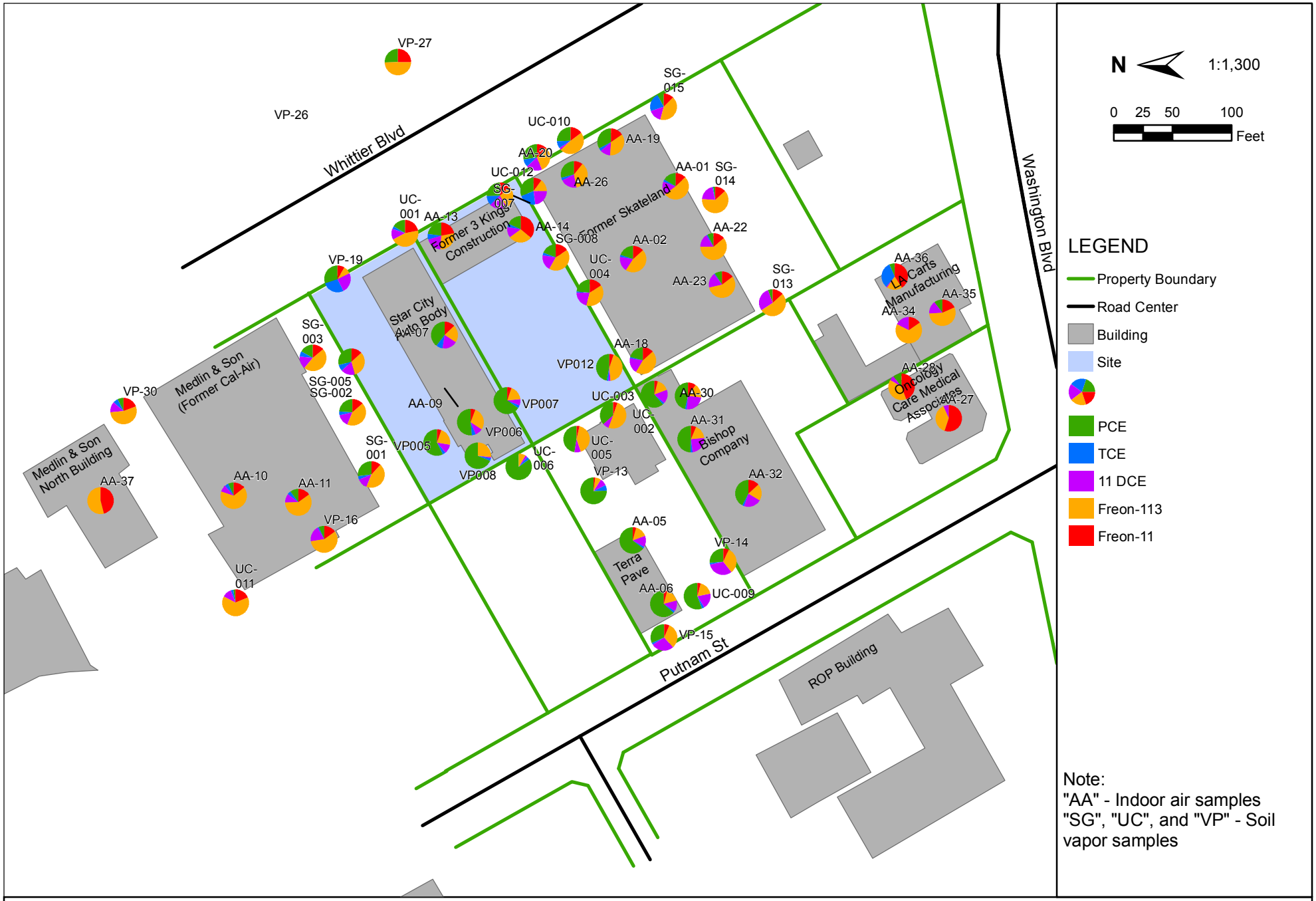


OMEGA CHEMICAL

Soil Vapor Concentrations (>30 feet)

CDM

FIGURE 4-27



OMEGA CHEMICAL

Shallow Soil Vapor and Indoor Air Pie Charts

CDM

FIGURE 4-28

Figure 4-29 MIP-GP4 PID and Total VOC Soil Concentrations at an Adjacent Boring

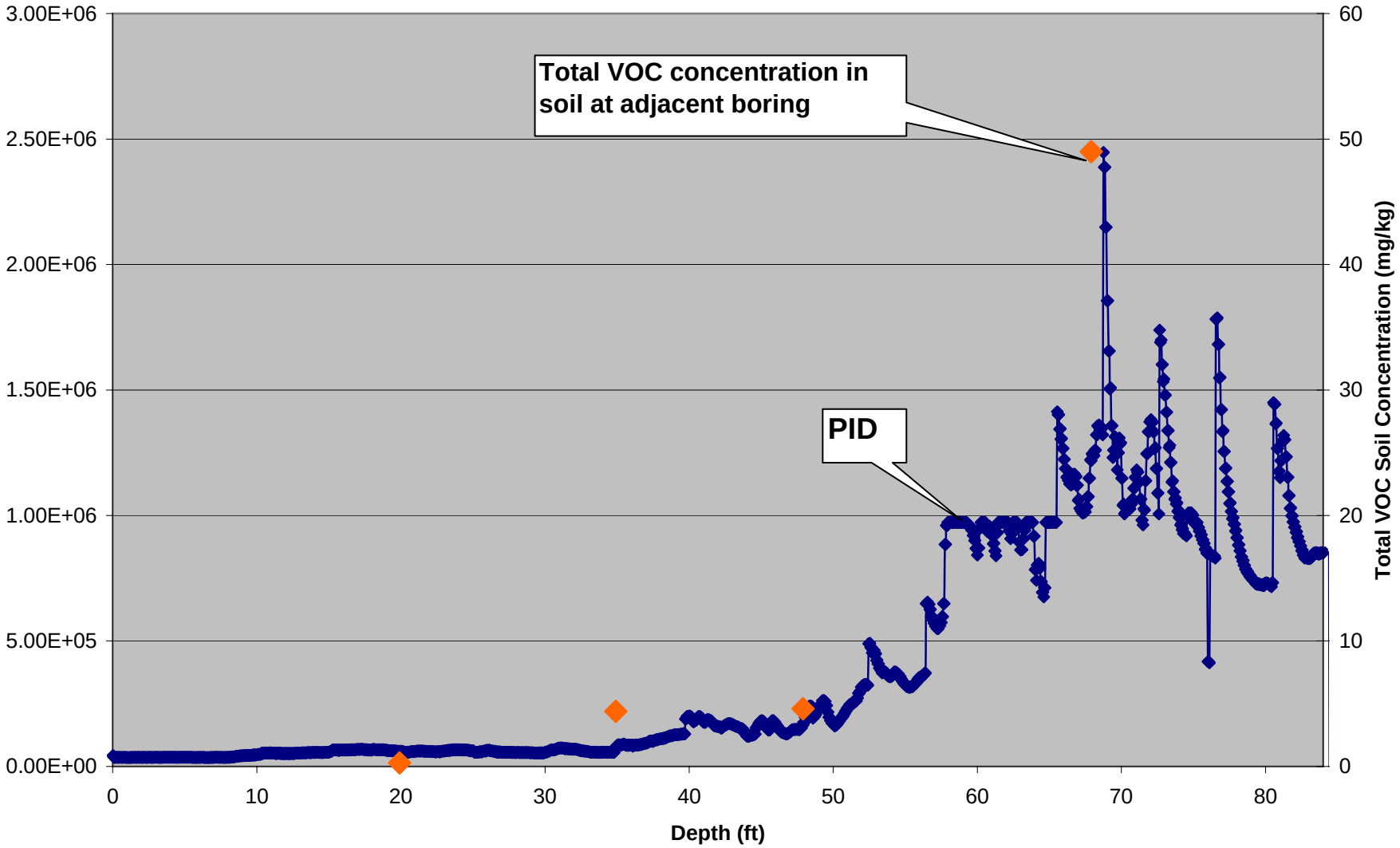


Figure 4-30 MIP-GP6 PID and Total VOCs in Soil from an Adjacent Boring

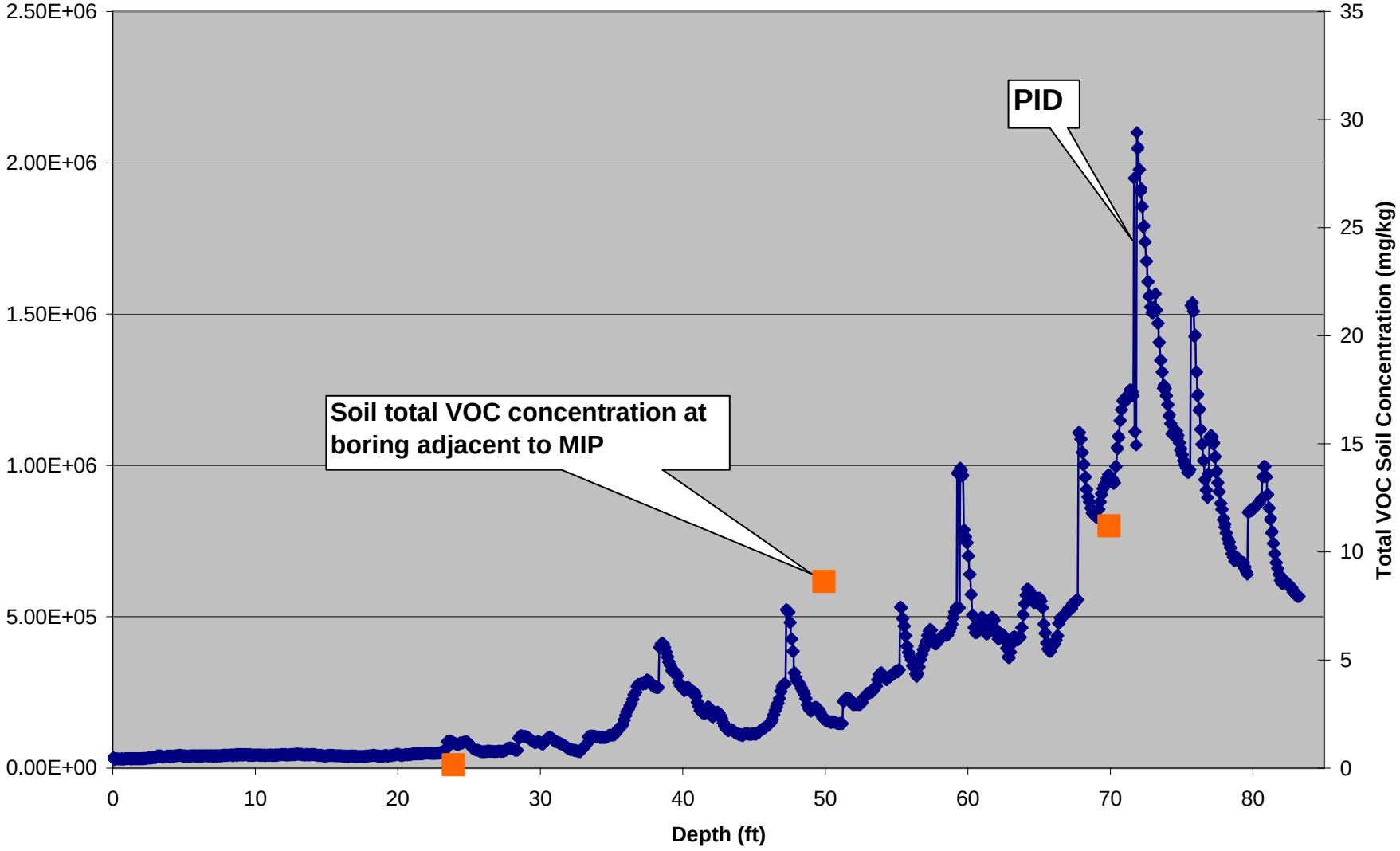


Figure 4-31 MIP-29 ECD and TVOCs in Adjacent Soil Vapor

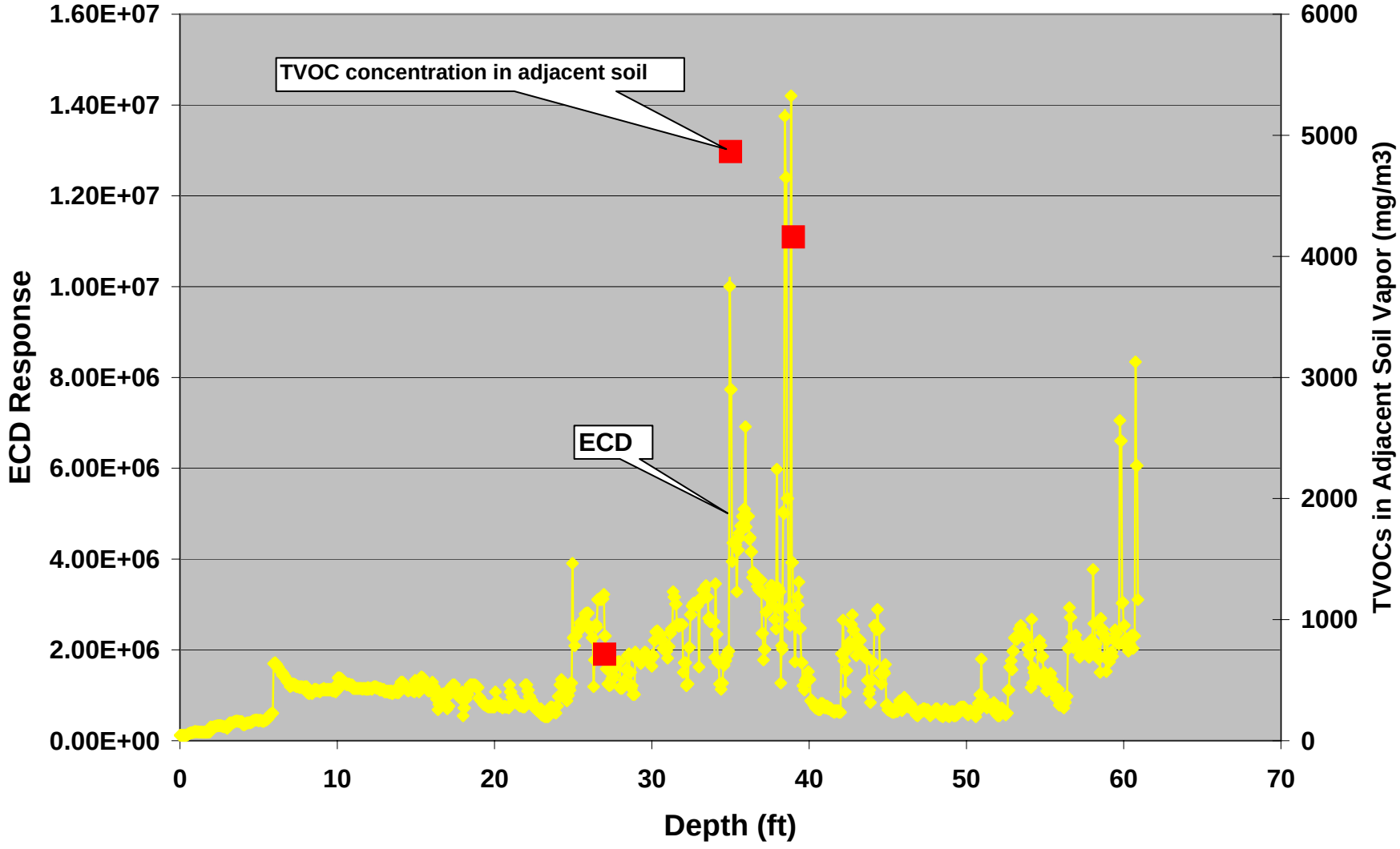


Figure 4-32 MIP-30 ECD and TVOCs in Adjacent Soil Vapor

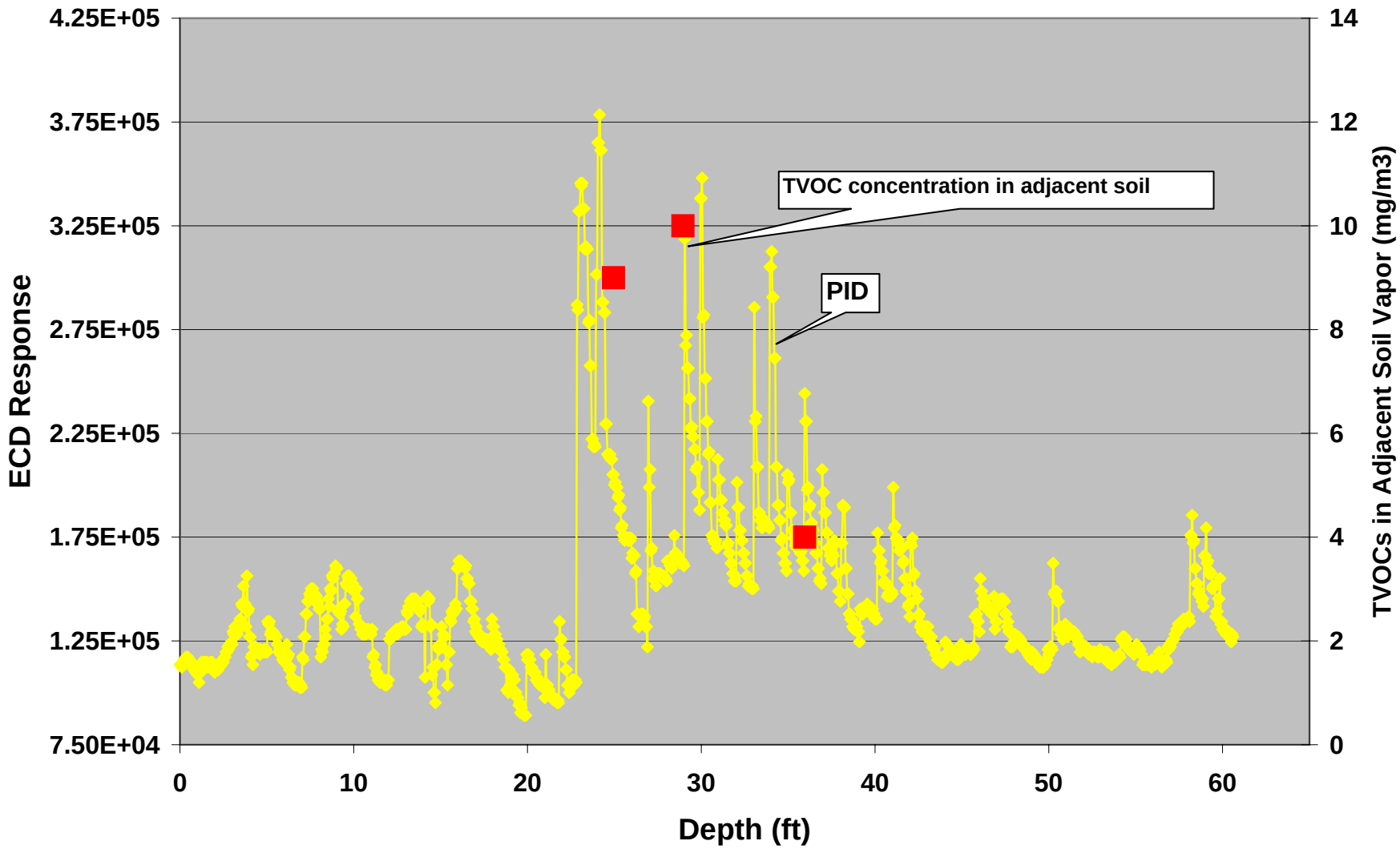


Figure 4-33 MIP-28 ECD and TVOCs in Adjacent Soil Vapor

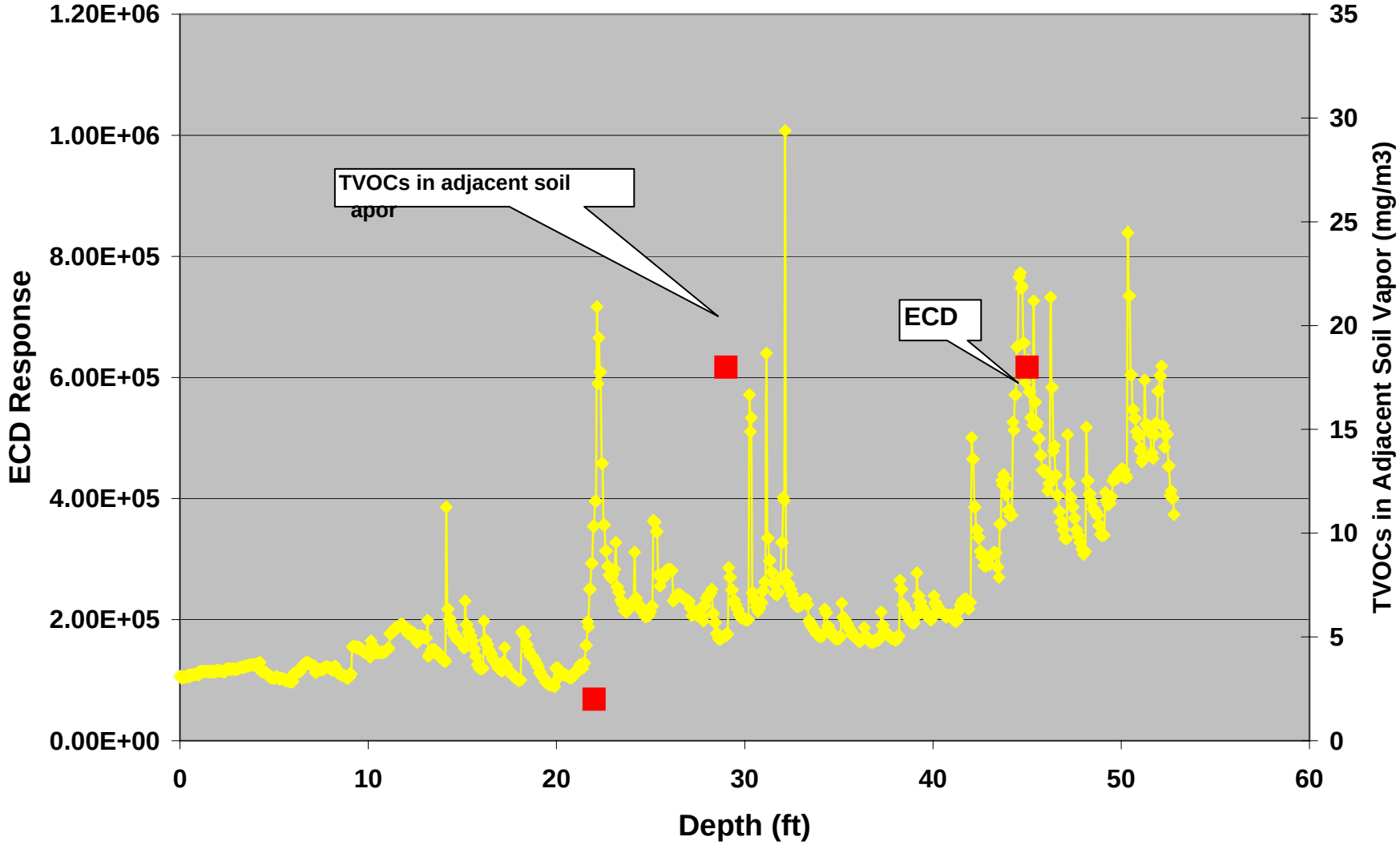


Figure 4-34 MIP-6 ECD and Total VOCs in Soil Vapor at Nearby VP-12

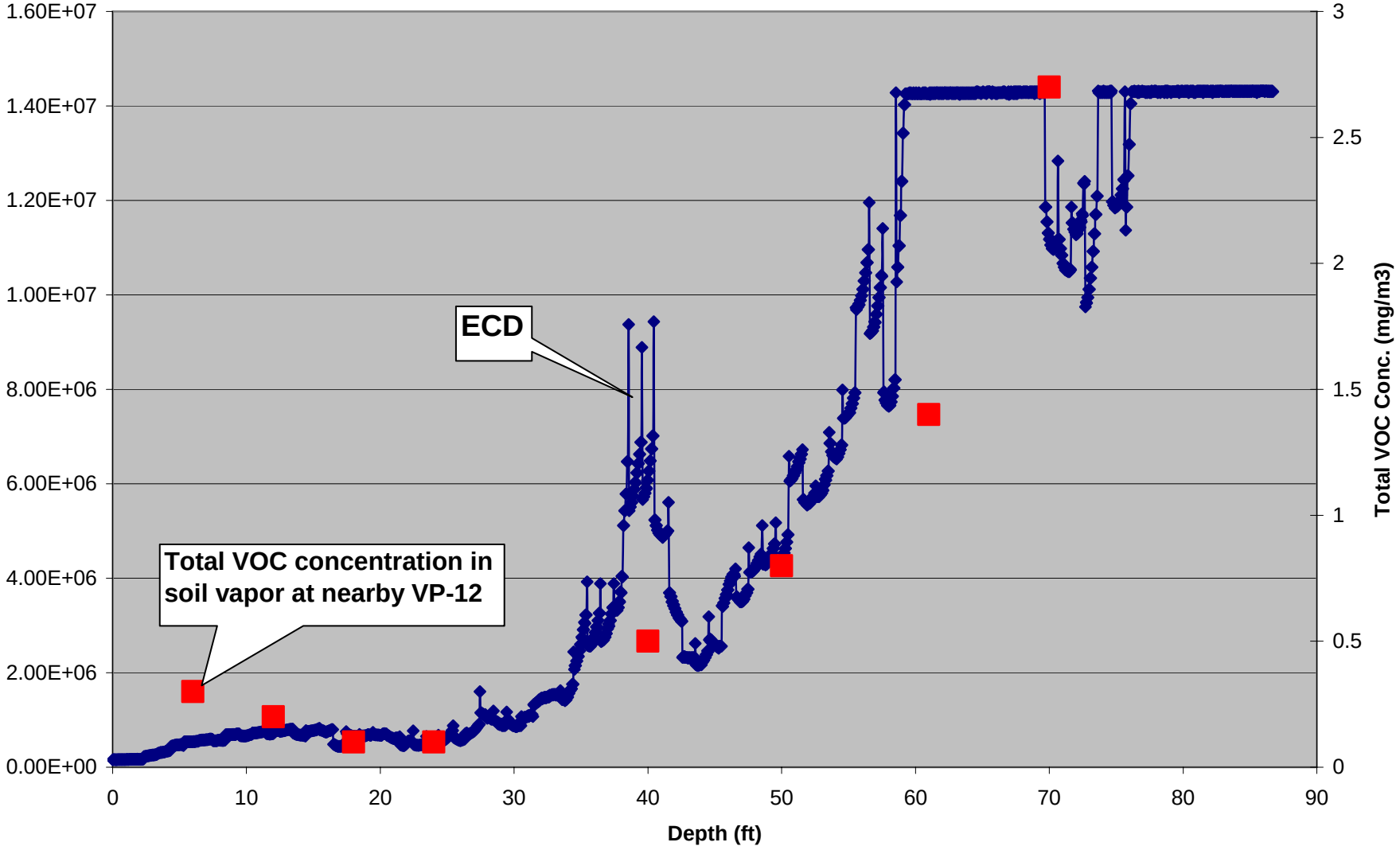


Figure 4-35 MIP-14 PID and TVOCs in Adjacent Soil

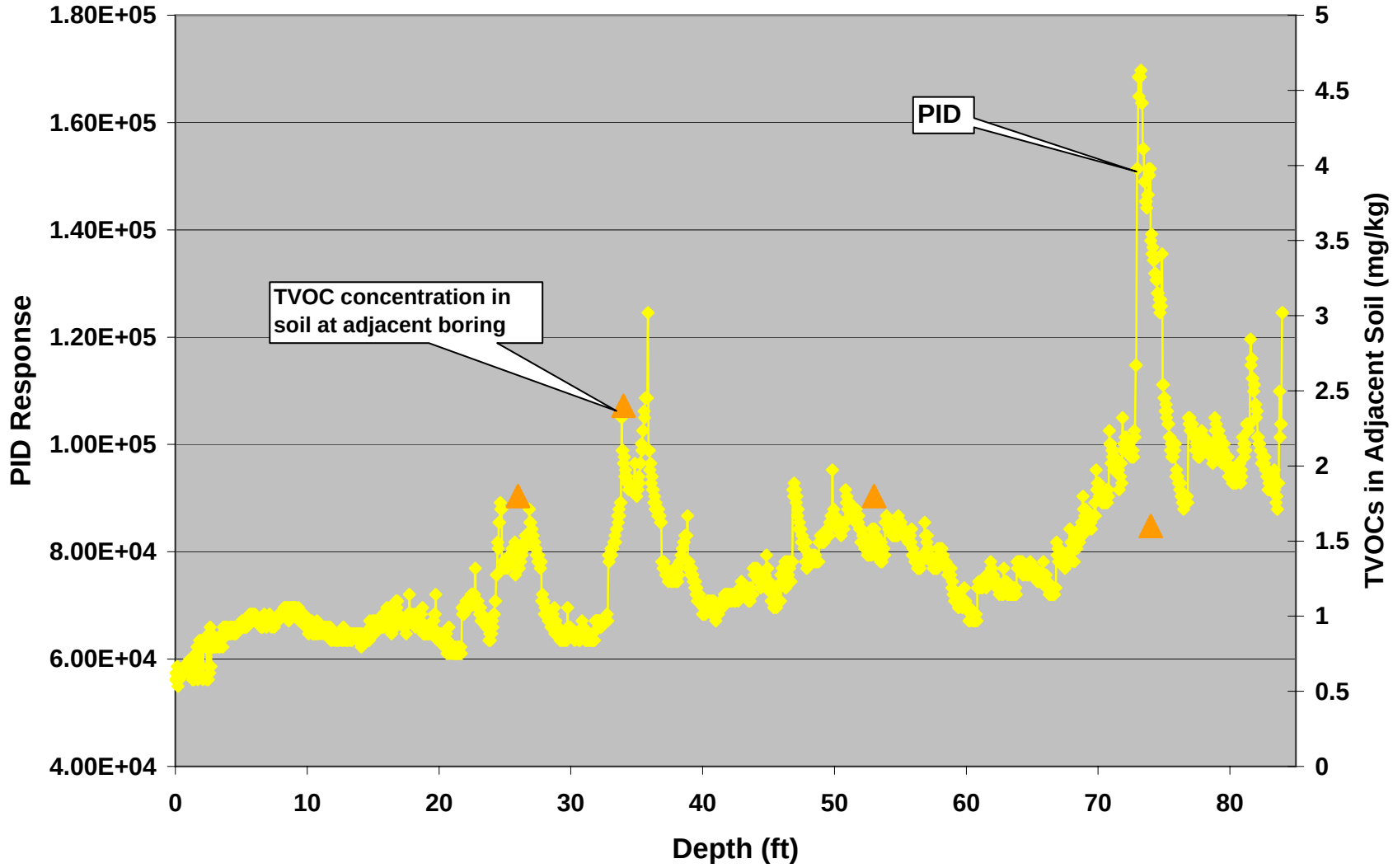


Figure 4-36 MIP-22 PID and TVOCs in Adjacent Soil

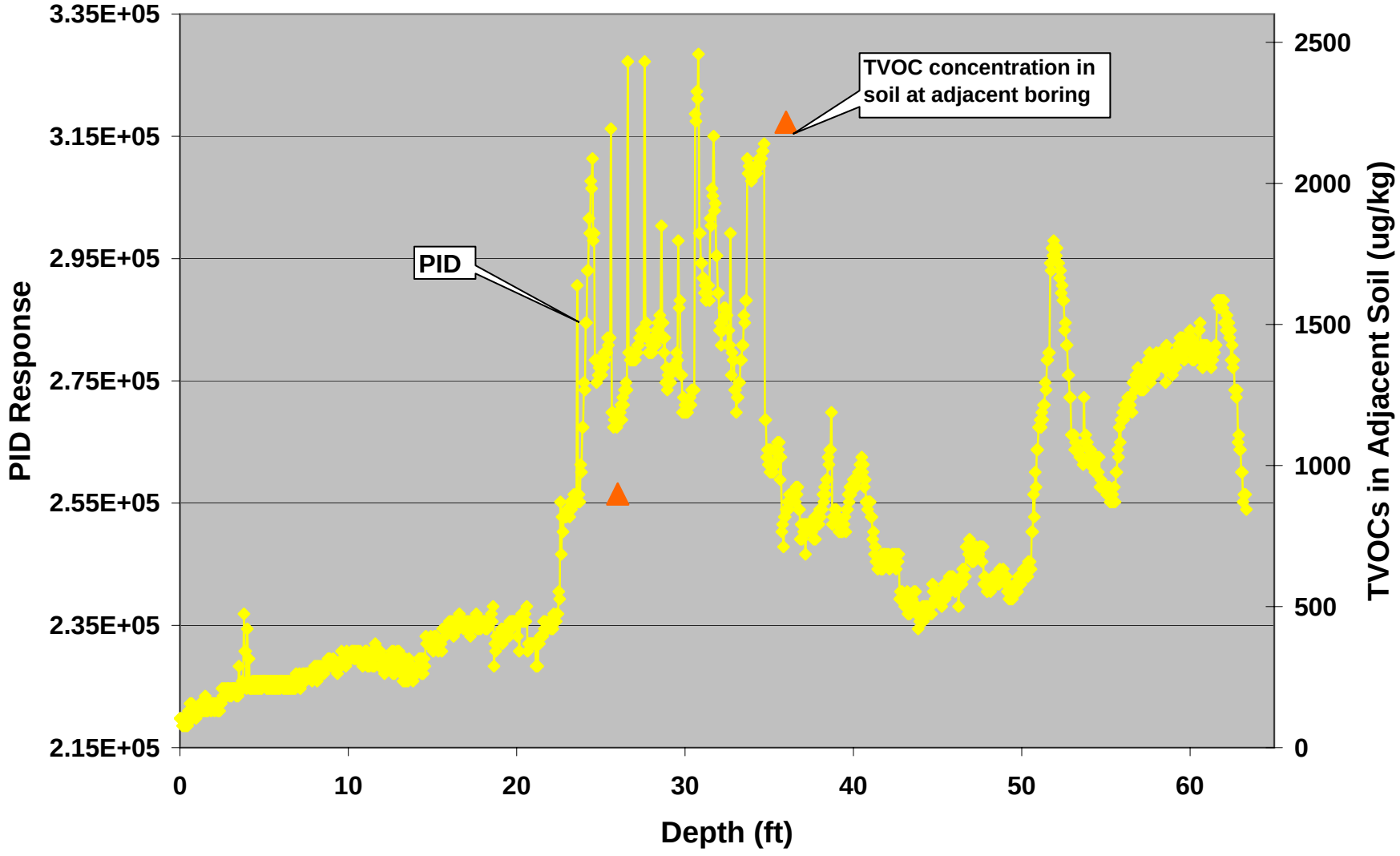
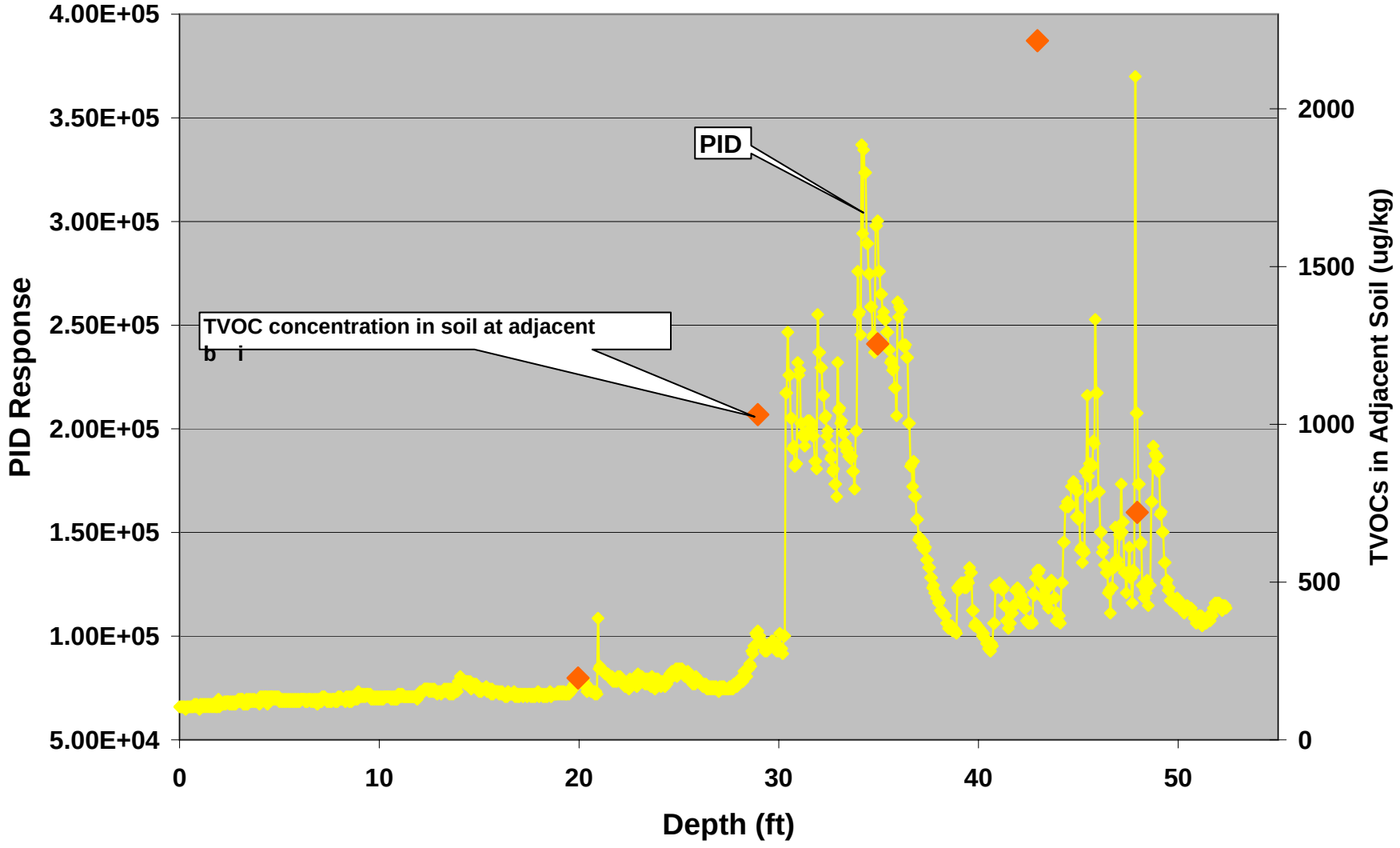


Figure 4-37 MIP-26 PID and TVOCs in Adjacent Soils



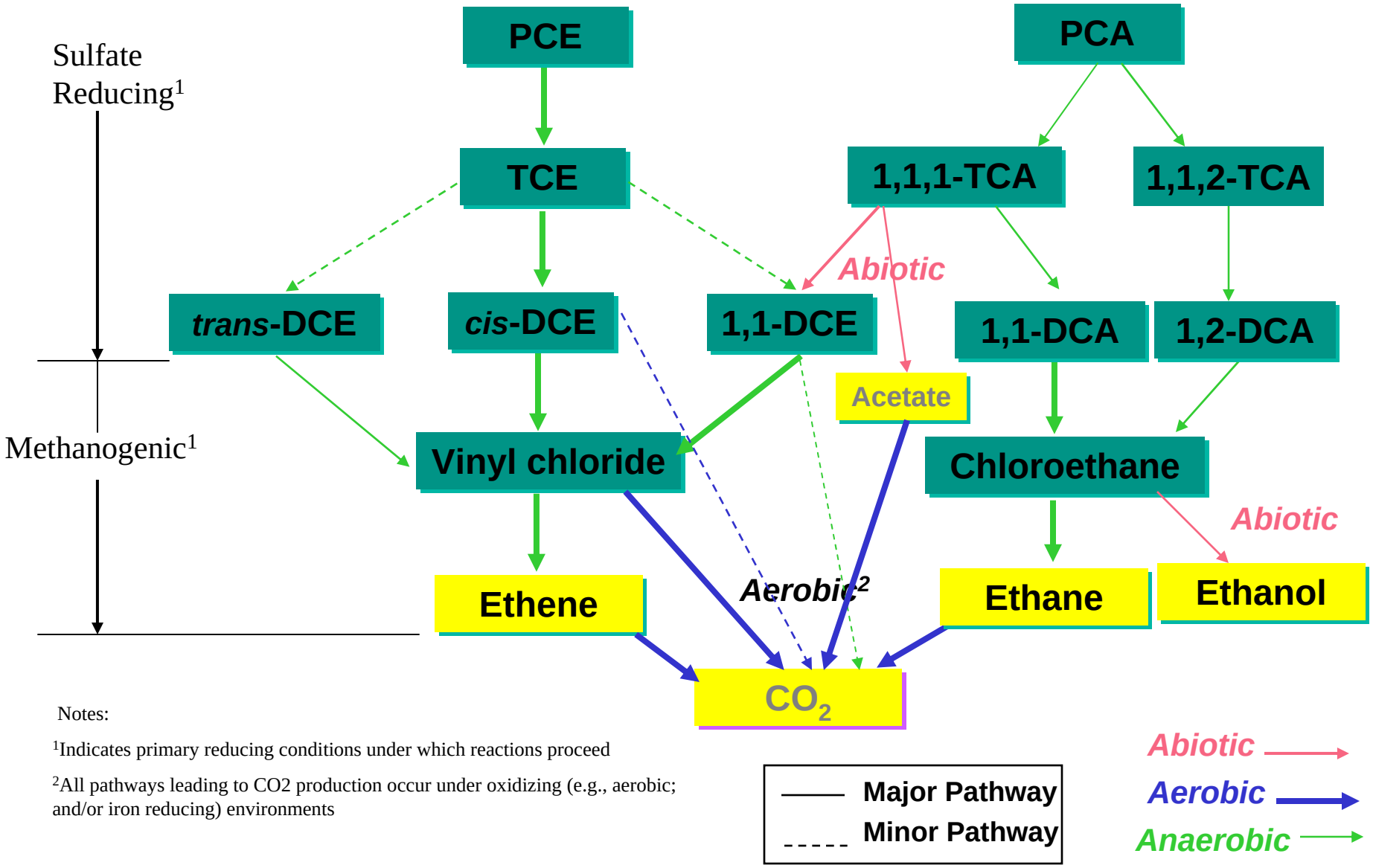
OMEGA CHEMICAL

Locations with Soil PCE HBRG Exceedances from 0 to 30 Feet

FIGURE 5-1

CDM

Figure 5-2 - Biotransformation Pathways for Chlorinated Compounds



Notes:

[1]Indicates primary reducing conditions under which reactions proceed

[2]All pathways leading to CO2 production occur under oxidizing (e.g., aerobic; and/or iron reducing) environments