# Appendix E-2

## Terra Vac and Floyd & Snider, Inc. 2000a: Supplemental Remedial Investigation and Feasibility Study

# SUPPLEMENTAL REMEDIAL INVESTIGATION AND FEASIBILITY STUDY

## Volume I – SRI & FS Report, Tables, Figures

## Prepared for GW International

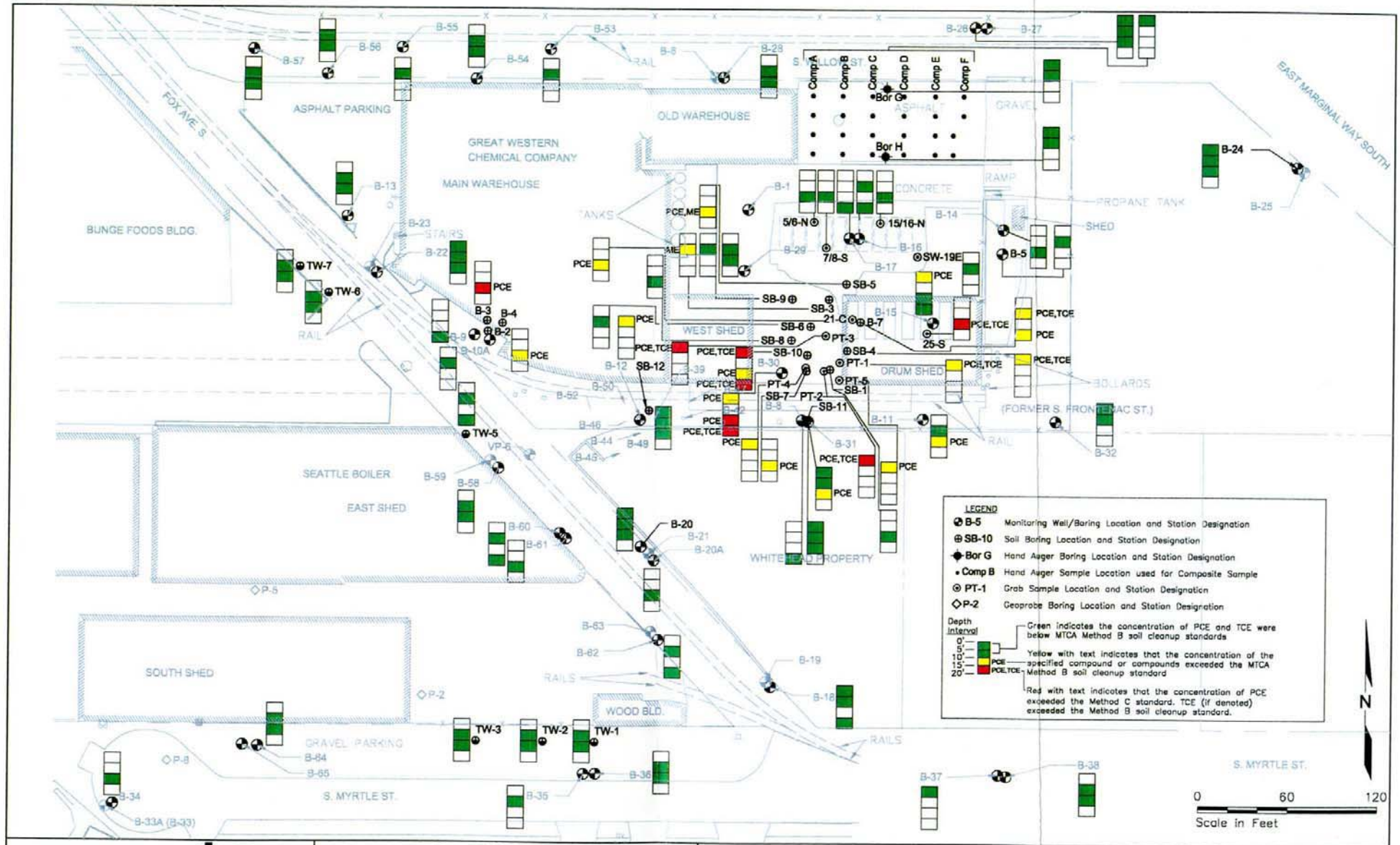
6900 Fox Avenue South
Seattle, Washington

OCTOBER 2000

**AGENCY REVIEW DRAFT**

TERRA VAC

Floyd & Snider Inc.

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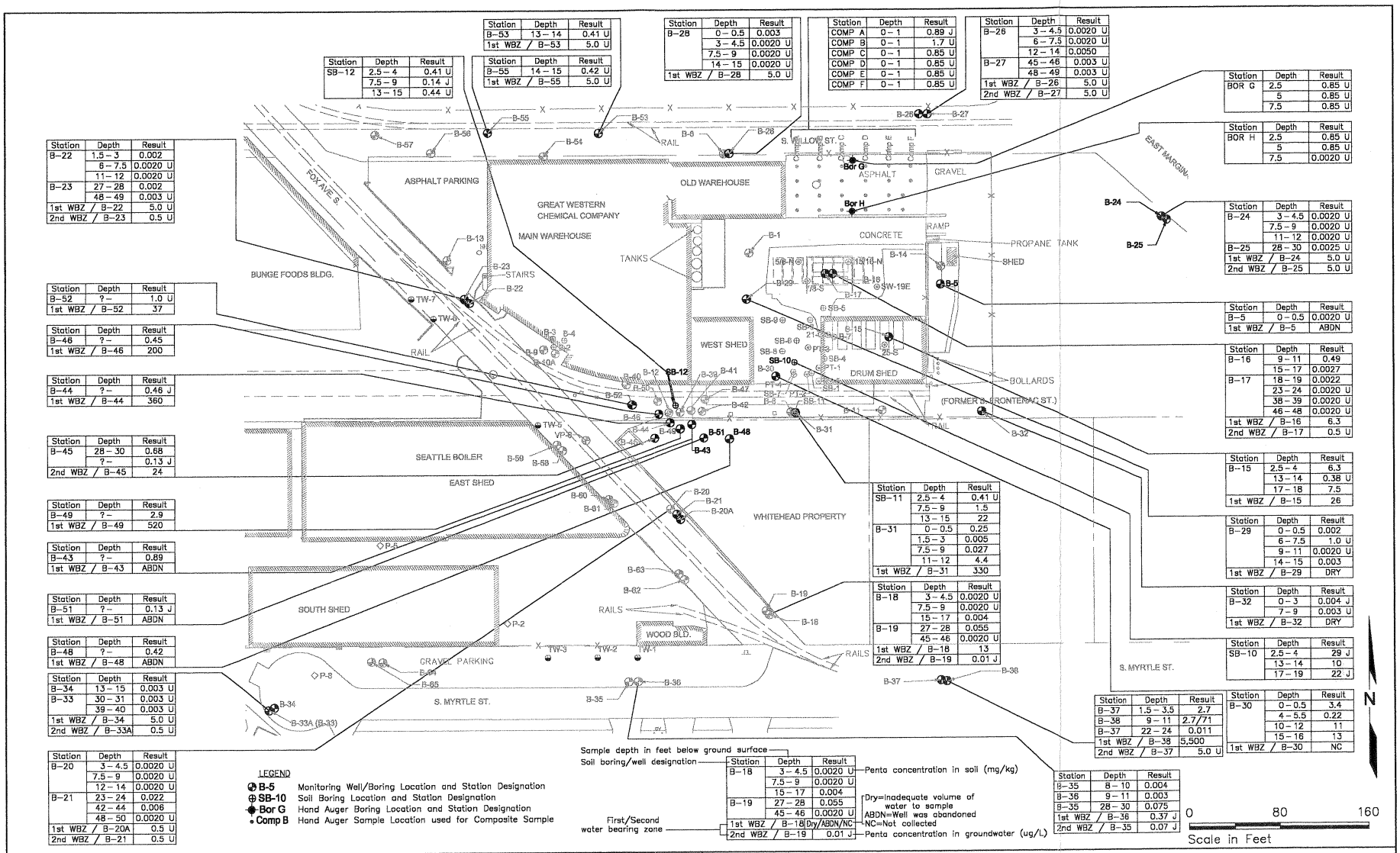
## Figure 4.5 PCE, TCE, and Methylene Chloride Results for Soil

DATE: 08/10/00 1:20pm
DWG NAME: G:\project\Clients\Floyd and Snider\gwcc\fnd\gwc0003.dwg




| Station | Depth | Result |
|---|---|---|
| B-22 | 1.5 – 3 | 0.002 |
| | 6 – 7.5 | 0.0020 U |
| | 11 – 12 | 0.0020 U |
| B-23 | 27 – 28 | 0.002 |
| | 48 – 49 | 0.003 U |
| 1st WBZ / B-22 | | 5.0 U |
| 2nd WBZ / B-23 | | 0.5 U |

| Station | Depth | Result |
|---|---|---|
| B-52 | ?– | 1.0 U |
| 1st WBZ / B-52 | | 37 |

| Station | Depth | Result |
|---|---|---|
| B-46 | ?– | 0.45 |
| 1st WBZ / B-46 | | 200 |

| Station | Depth | Result |
|---|---|---|
| B-44 | ?– | 0.46 J |
| 1st WBZ / B-44 | | 360 |

| Station | Depth | Result |
|---|---|---|
| B-45 | 28 – 30 | 0.68 |
| | ?– | 0.13 J |
| 2nd WBZ / B-45 | | 24 |

| Station | Depth | Result |
|---|---|---|
| B-49 | ?– | 2.9 |
| 1st WBZ / B-49 | | 520 |

| Station | Depth | Result |
|---|---|---|
| B-43 | ?– | 0.89 |
| 1st WBZ / B-43 | | ABDN |

| Station | Depth | Result |
|---|---|---|
| B-51 | ?– | 0.13 J |
| 1st WBZ / B-51 | | ABDN |

| Station | Depth | Result |
|---|---|---|
| B-48 | ?– | 0.42 |
| 1st WBZ / B-48 | | ABDN |

| Station | Depth | Result |
|---|---|---|
| B-34 | 13 – 15 | 0.003 U |
| B-33 | 30 – 31 | 0.003 U |
| | 39 – 40 | 0.003 U |
| 1st WBZ / B-34 | | 5.0 U |
| 2nd WBZ / B-33A | | 0.5 U |

| Station | Depth | Result |
|---|---|---|
| B-20 | 3 – 4.5 | 0.0020 U |
| | 7.5 – 9 | 0.0020 U |
| | 12 – 14 | 0.0020 U |
| B-21 | 23 – 24 | 0.022 |
| | 42 – 44 | 0.006 |
| | 48 – 50 | 0.0020 U |
| 1st WBZ / B-20A | | 0.5 U |
| 2nd WBZ / B-21 | | 0.5 U |

| Station | Depth | Result |
|---|---|---|
| SB-12 | 2.5 – 4 | 0.41 U |
| | 7.5 – 9 | 0.14 J |
| | 13 – 15 | 0.44 U |

| Station | Depth | Result |
|---|---|---|
| B-53 | 13 – 14 | 0.41 U |
| 1st WBZ / B-53 | | 5.0 U |

| Station | Depth | Result |
|---|---|---|
| B-55 | 14 – 15 | 0.42 U |
| 1st WBZ / B-55 | | 5.0 U |

| Station | Depth | Result |
|---|---|---|
| B-28 | 0 – 0.5 | 0.003 |
| | 3 – 4.5 | 0.0020 U |
| | 7.5 – 9 | 0.0020 U |
| | 14 – 15 | 0.0020 U |
| 1st WBZ / B-28 | | 5.0 U |

| Station | Depth | Result |
|---|---|---|
| COMP A | 0 – 1 | 0.89 J |
| COMP B | 0 – 1 | 1.7 U |
| COMP C | 0 – 1 | 0.85 U |
| COMP D | 0 – 1 | 0.85 U |
| COMP E | 0 – 1 | 0.85 U |
| COMP F | 0 – 1 | 0.85 U |

| Station | Depth | Result |
|---|---|---|
| B-26 | 3 – 4.5 | 0.0020 U |
| | 6 – 7.5 | 0.0020 U |
| | 12 – 14 | 0.0050 |
| B-27 | 45 – 46 | 0.003 U |
| | 48 – 49 | 0.003 U |
| 1st WBZ / B-26 | | 5.0 U |
| 2nd WBZ / B-27 | | 5.0 U |

| Station | Depth | Result |
|---|---|---|
| BOR G | 2.5 | 0.85 U |
| | 5 | 0.85 U |
| | 7.5 | 0.85 U |

| Station | Depth | Result |
|---|---|---|
| BOR H | 2.5 | 0.85 U |
| | 5 | 0.85 U |
| | 7.5 | 0.0020 U |

| Station | Depth | Result |
|---|---|---|
| B-24 | 3 – 4.5 | 0.0020 U |
| | 7.5 – 9 | 0.0020 U |
| | 11 – 12 | 0.0020 U |
| B-25 | 28 – 30 | 0.0025 U |
| 1st WBZ / B-24 | | 5.0 U |
| 2nd WBZ / B-25 | | 5.0 U |

| Station | Depth | Result |
|---|---|---|
| B-5 | 0 – 0.5 | 0.0020 U |
| 1st WBZ / B-5 | | ABDN |

| Station | Depth | Result |
|---|---|---|
| B-16 | 9 – 11 | 0.49 |
| | 15 – 17 | 0.0027 |
| B-17 | 18 – 19 | 0.0022 |
| | 23 – 24 | 0.0020 U |
| | 38 – 39 | 0.0020 U |
| | 46 – 48 | 0.0020 U |
| 1st WBZ / B-16 | | 6.3 |
| 2nd WBZ / B-17 | | 0.5 U |

| Station | Depth | Result |
|---|---|---|
| B-15 | 2.5 – 4 | 6.3 |
| | 13 – 14 | 0.38 U |
| | 17 – 18 | 7.5 |
| 1st WBZ / B-15 | | 26 |

| Station | Depth | Result |
|---|---|---|
| B-29 | 0 – 0.5 | 0.002 |
| | 6 – 7.5 | 1.0 U |
| | 9 – 11 | 0.0020 U |
| | 14 – 15 | 0.003 |
| 1st WBZ / B-29 | | DRY |

| Station | Depth | Result |
|---|---|---|
| B-32 | 0 – 3 | 0.004 J |
| | 7 – 9 | 0.003 U |
| 1st WBZ / B-32 | | DRY |

| Station | Depth | Result |
|---|---|---|
| SB-10 | 2.5 – 4 | 29 J |
| | 13 – 14 | 10 |
| | 17 – 19 | 22 J |

| Station | Depth | Result |
|---|---|---|
| B-30 | 0 – 0.5 | 3.4 |
| | 4 – 5.5 | 0.22 |
| | 10 – 12 | 11 |
| | 15 – 16 | 13 |
| 1st WBZ / B-30 | | NC |

| Station | Depth | Result |
|---|---|---|
| B-37 | 1.5 – 3.5 | 2.7 |
| B-38 | 9 – 11 | 2.7/71 |
| B-37 | 22 – 24 | 0.011 |
| 1st WBZ / B-38 | | 5,500 |
| 2nd WBZ / B-37 | | 5.0 U |

| Station | Depth | Result |
|---|---|---|
| SB-11 | 2.5 – 4 | 0.41 U |
| | 7.5 – 9 | 1.5 |
| | 13 – 15 | 22 |
| B-31 | 0 – 0.5 | 0.25 |
| | 1.5 – 3 | 0.005 |
| | 7.5 – 9 | 0.027 |
| | 11 – 12 | 4.4 |
| 1st WBZ / B-31 | | 330 |

| Station | Depth | Result |
|---|---|---|
| B-18 | 3 – 4.5 | 0.0020 U |
| | 7.5 – 9 | 0.0020 U |
| | 15 – 17 | 0.004 |
| B-19 | 27 – 28 | 0.055 |
| | 45 – 46 | 0.0020 U |
| 1st WBZ / B-18 | | 13 |
| 2nd WBZ / B-19 | | 0.01 J |

| Station | Depth | Result |
|---|---|---|
| B-35 | 8 – 10 | 0.004 |
| B-36 | 9 – 11 | 0.003 |
| B-35 | 28 – 30 | 0.075 |
| 1st WBZ / B-36 | | 0.37 J |
| 2nd WBZ / B-35 | | 0.07 J |

LEGEND

- B-5 Monitoring Well/Boring Location and Station Designation
- SB-10 Soil Boring Location and Station Designation
- Bor G Hand Auger Boring Location and Station Designation
- Comp B Hand Auger Sample Location used for Composite Sample

Sample depth in feet below ground surface
Soil boring/well designation

| Station | Depth | Result |
|---|---|---|
| B-18 | 3 – 4.5 | 0.0020 U |
| | 7.5 – 9 | 0.0020 U |
| | 15 – 17 | 0.004 |
| B-19 | 27 – 28 | 0.055 |
| | 45 – 46 | 0.0020 U |
| 1st WBZ / B-18 | | Dry/ABDN/NC |
| 2nd WBZ / B-19 | | 0.01 J |

Penta concentration in soil (mg/kg)

Dry=Inadequate volume of water to sample
ABDN=Well was abandoned
NC=Not collected

First/Second water bearing zone

Penta concentration in groundwater (ug/L)

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## Figure 4.8 Pentachlorophenol Results for Soil

DATE: 08/10/00 1:47pm
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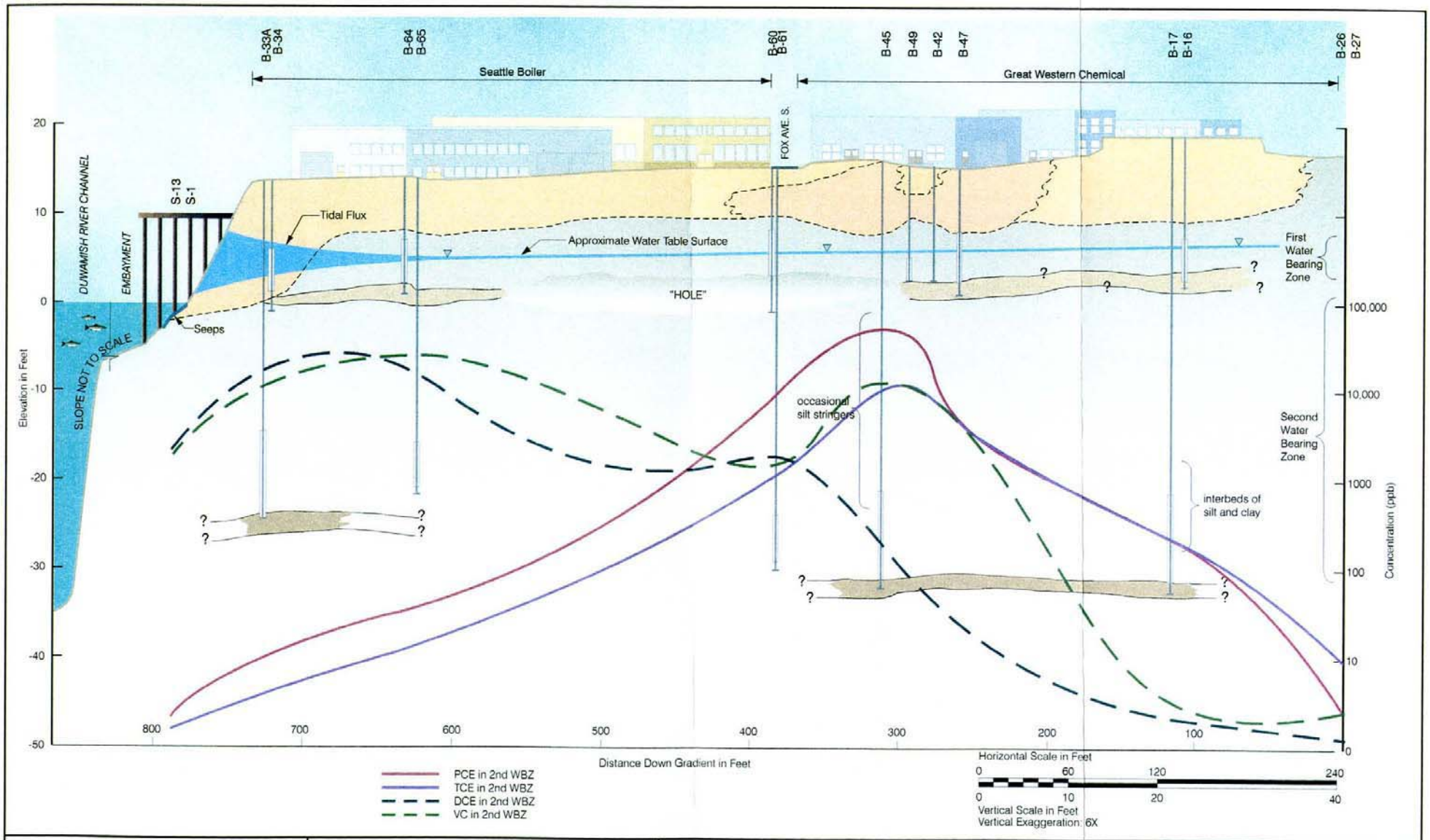


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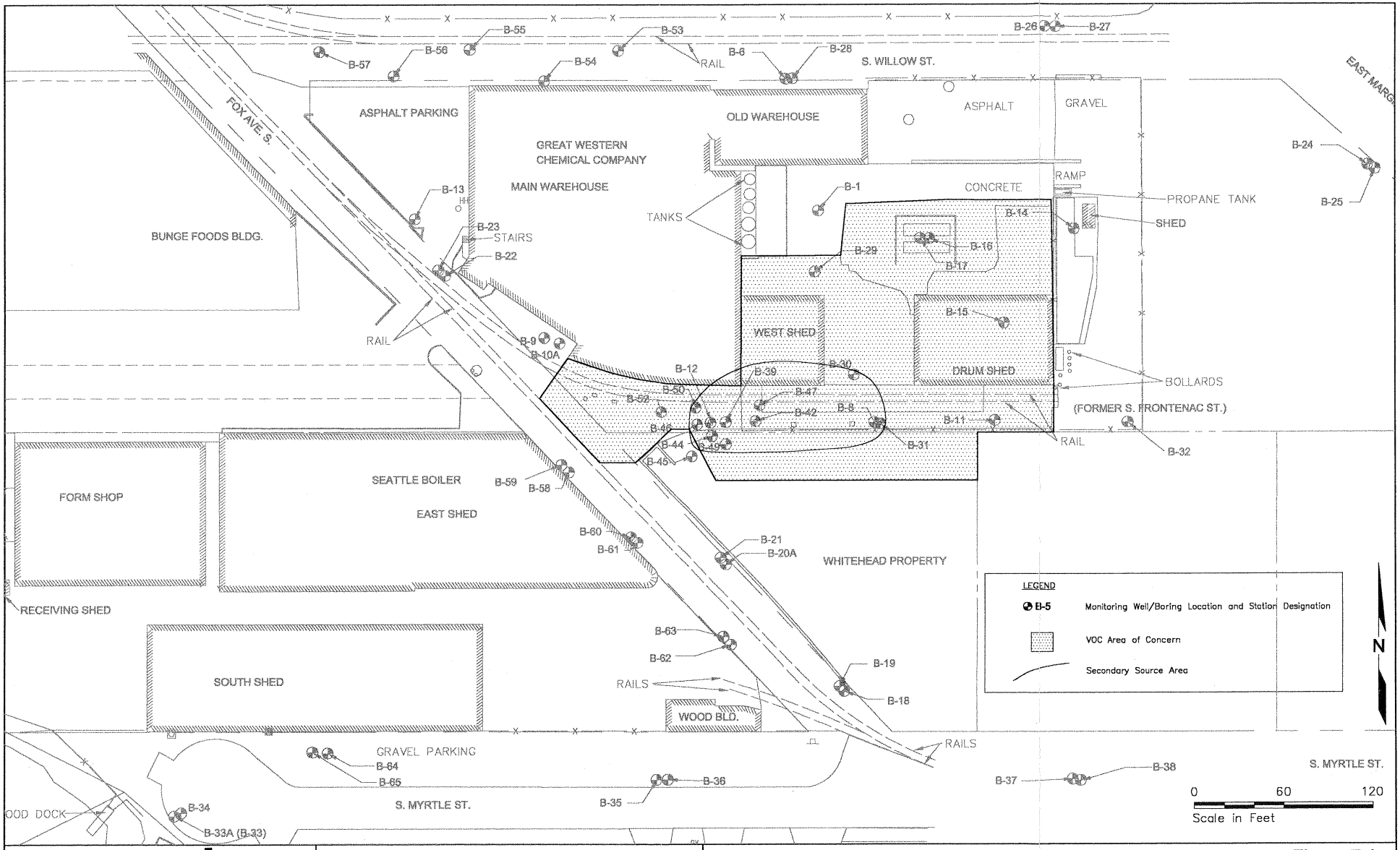
**Figure 5.13**
**Schematic Cross Section Showing Chlorinated Ethenes**

02/23/00 PCE1TCE1DCE2VC2.cdr

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## Figure 7.1 VOCs Area of Concern in Soil and Groundwater

DATE: 10/23/00 09:28am
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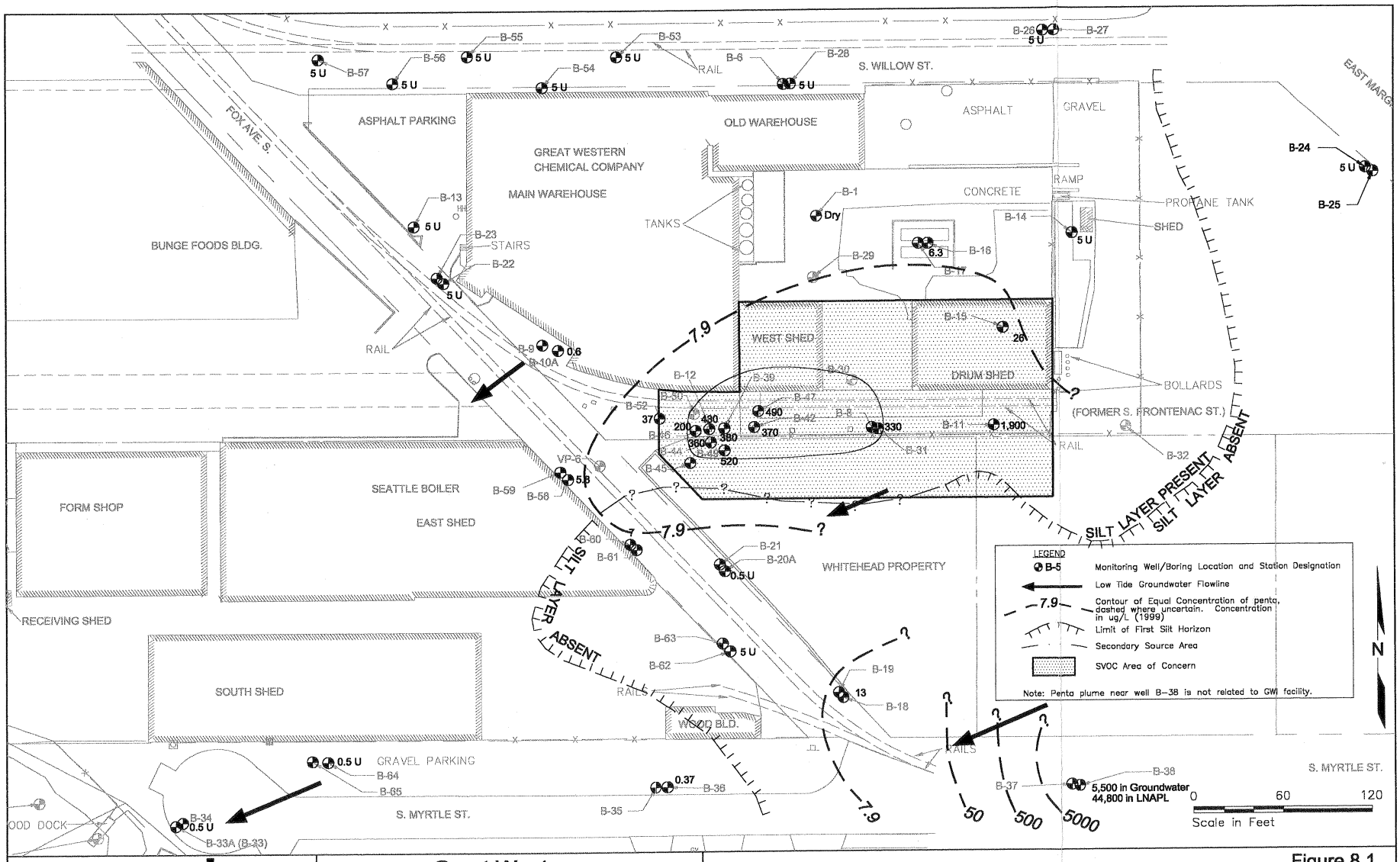


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Figure 8.1
SVOC Area of Concern in Soil and Groundwater

DATE: 10/17/00 4:21pm
DWG NAME: G:\project\Clients\Floyd and Snider\gwcc\final\gwc0024.dwg

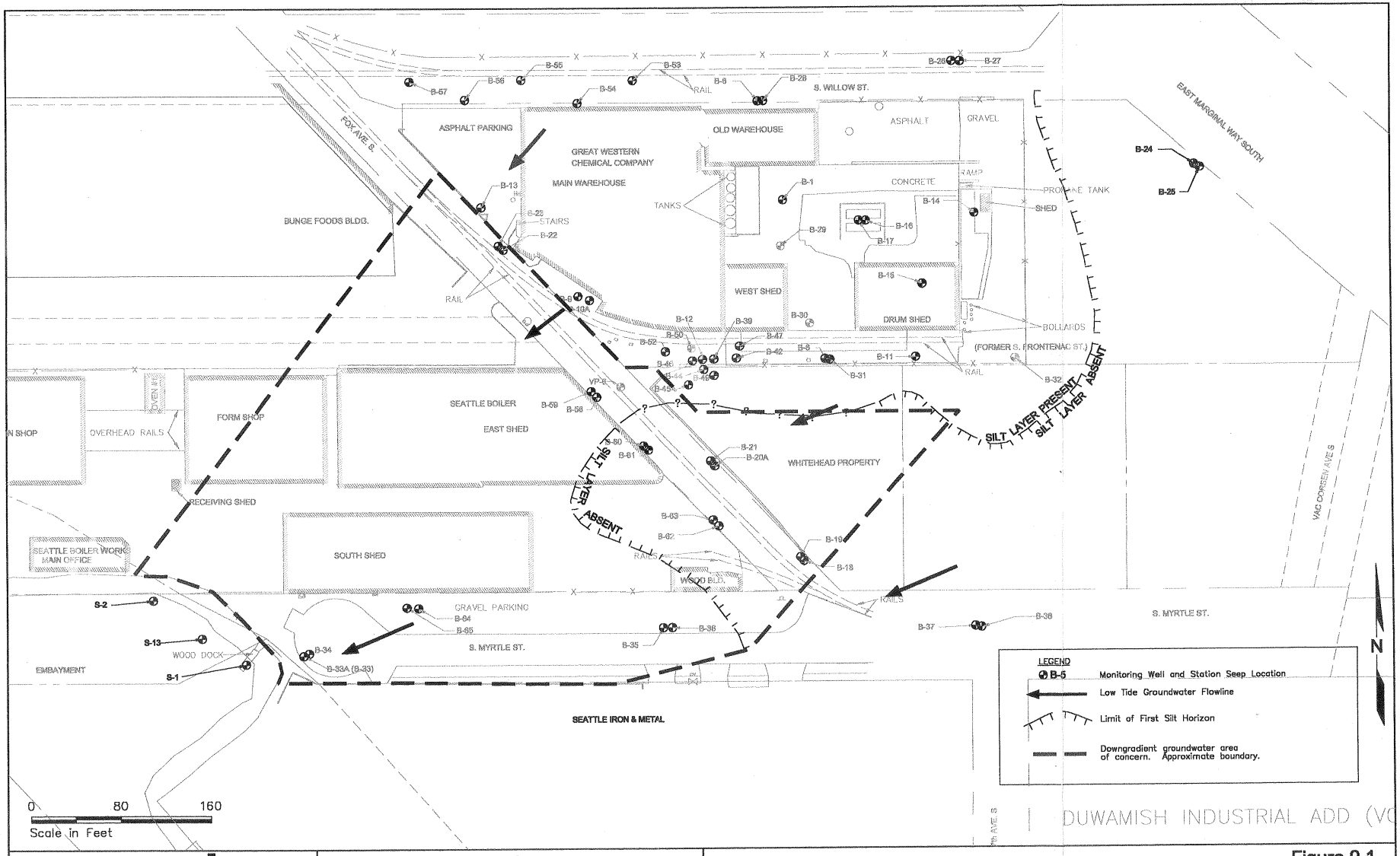


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**Figure 9.1**
**Extent of Downgradient Area of Concern for COCs in 2nd WBZ**

DATE: 10/19/00 1:03pm
DWG NAME: G:\project\Clients\Floyd and Snider\gwcc\final\gwc0026.dwg