APPENDIX A: FIGURES

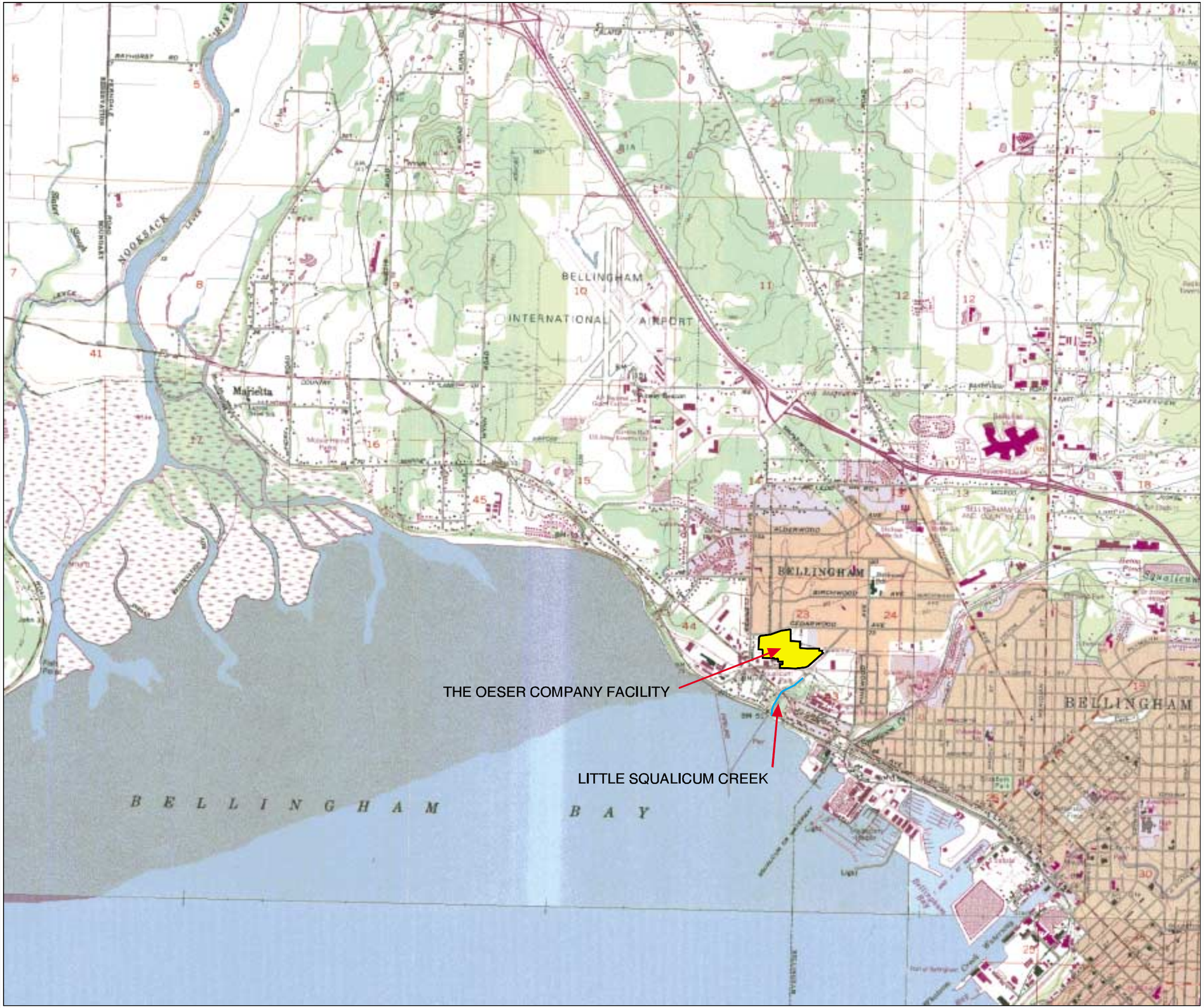

Figure 1

THE OESER COMPANY SUPERFUND SITE

Bellingham, Washington

Site Location Map

N
W E
S

0 1500 3000 4500 6000

Feet

MAP SOURCE

USGS Topographic Maps. Scale 1:24000
Eliza Island Quadrangle, 1997
Bellingham South Quadrangle, [1954], 1972b
Bellingham North Quadrangle, [1954], 1972a
Ferndale Quadrangle, [1954], 1994

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/data1/oeser/rfs/fig1.aml

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Seattle, Washington

SOURCE: Walker & Associates, 1997.

Base Figure: 02: KJ0103_BH0701SRDO\Facility Areas.CDR 5/12/98

THE OESER COMPANY SUPERFUND SITE
Bellingham, Washington

Figure 2
FACILITY AREAS

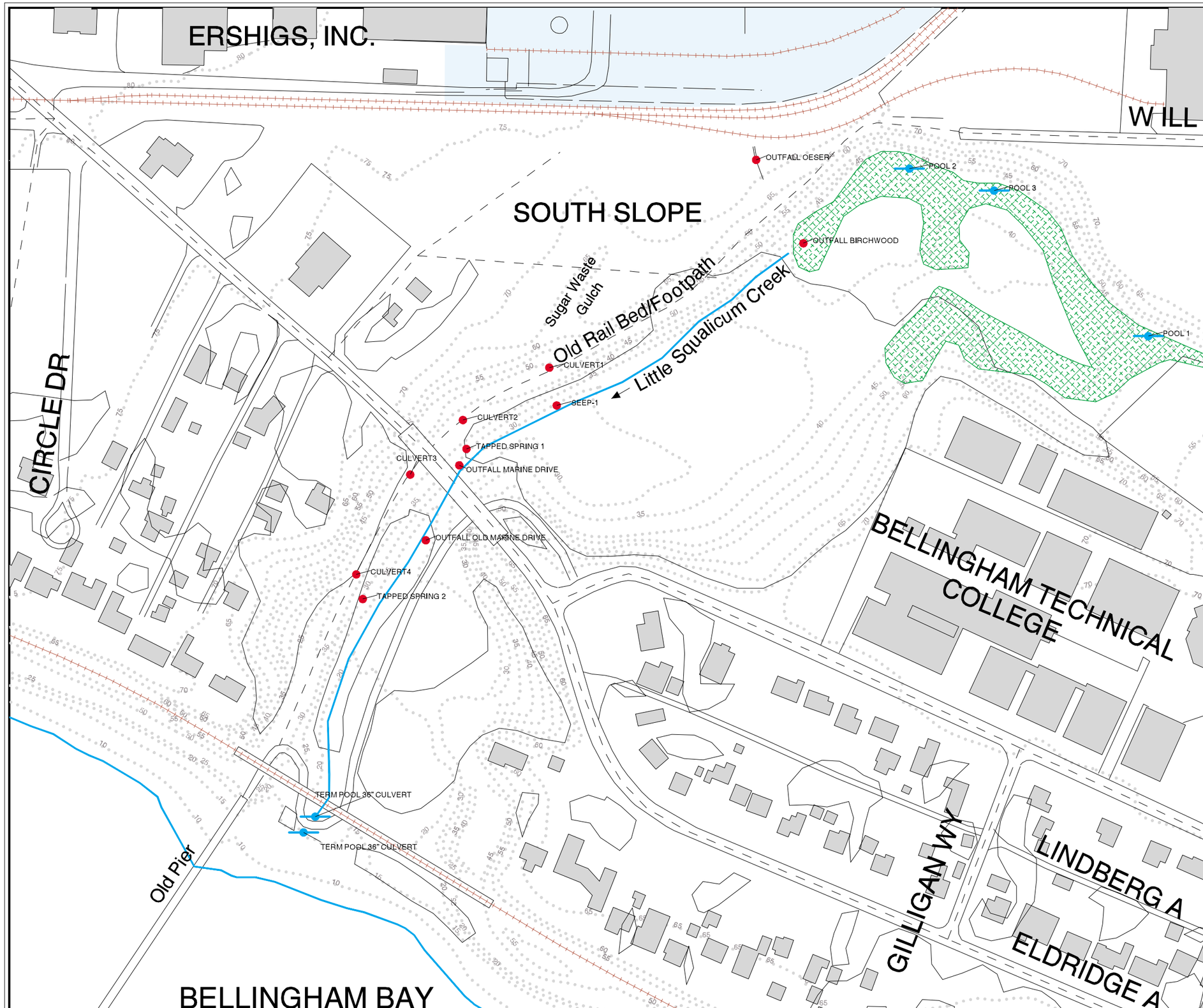

Figure 3

THE OESER COMPANY SUPERFUND SITE

Bellingham, Washington

South Slope and Little Squalicum Creek

Legend

- The Oeser Company Facility
- Wetlands
- Building/Residential Structure
- Shoreline and Waterways
- Railroad Line
- Contour Interval
- Flow Direction

N
W E
S

0 100 200 300 400 500

Feet

MAP SOURCE

City of Bellingham - Department of Public Works
Topographic Data Date: 1988

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/data1/oeser/rfs/fig3.aml

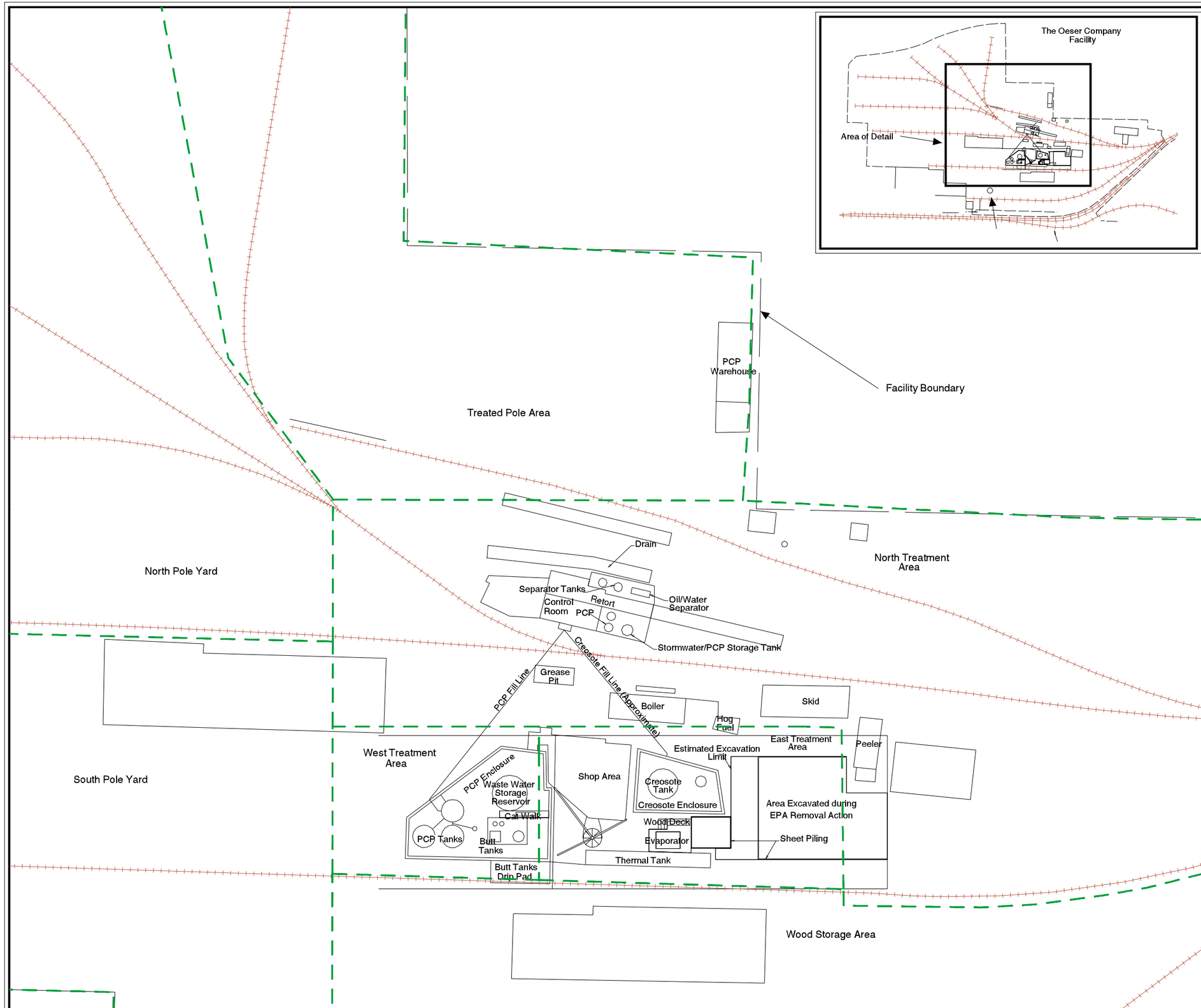

Figure 4

THE OESER COMPANY SUPERFUND SITE

Bellingham, Washington

Facility Operations Layout

Legend

Subarea Boundaries
PCP Pentachlorophenol

N
W E
S

0 50 100 150 200
Feet

MAP SOURCE

Oeser Company Site Map
Larry Steele & Associates
Survey Date: 12/3/1997

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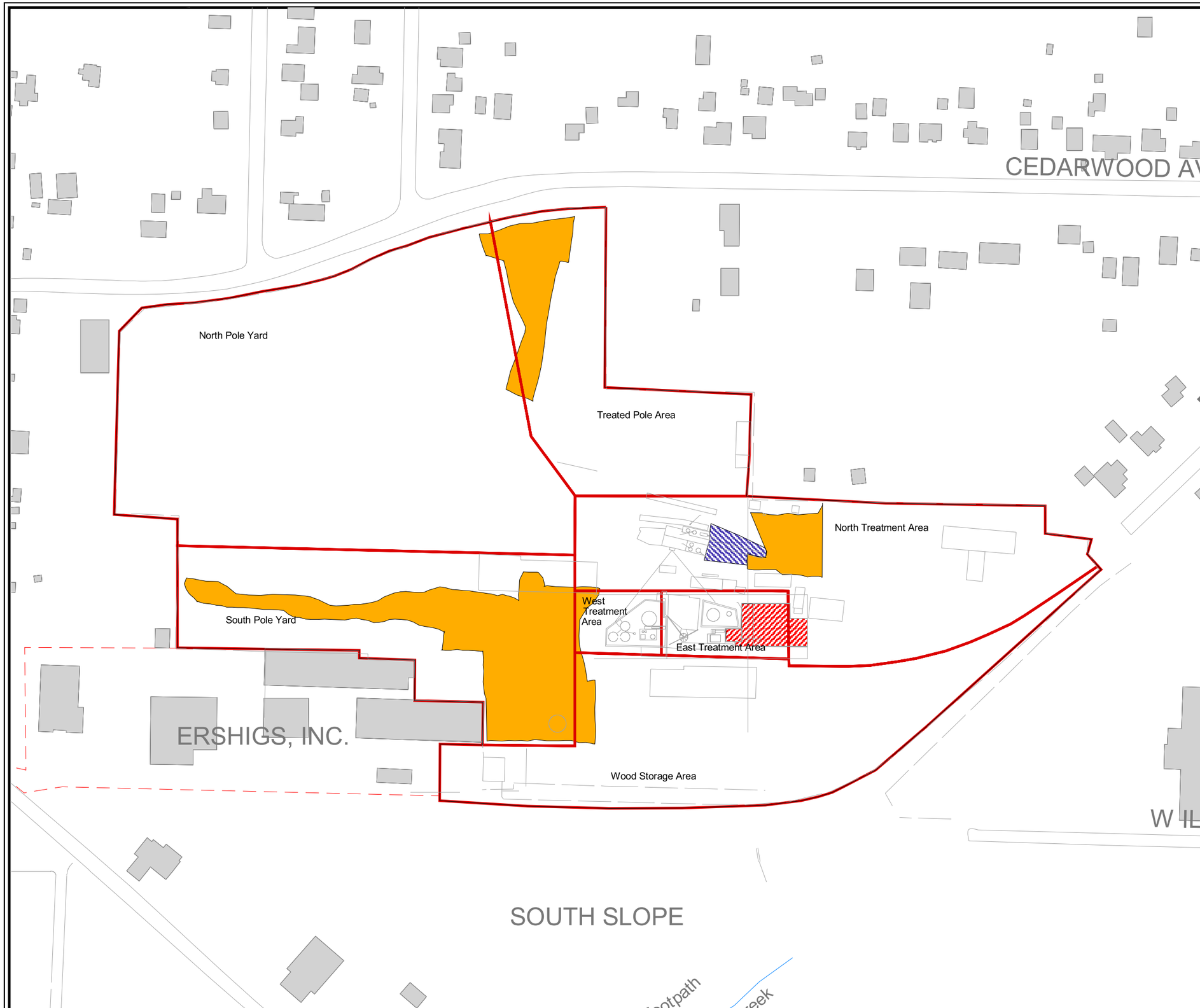
/data1/oeser/rifs/fig4.aml

Figure 5

THE OESER COMPANY SUPERFUND SITE

Bellingham, Washington

Early Cleanup Actions



Legend

- Oeser Facility Layout
- Oeser Facility Areas
- Buildings

Removal Action Areas

- Removal Action Excavation
- Removal Action Cap
- Gravel Cap

N
W E
S

100 0 100 200 300 Feet

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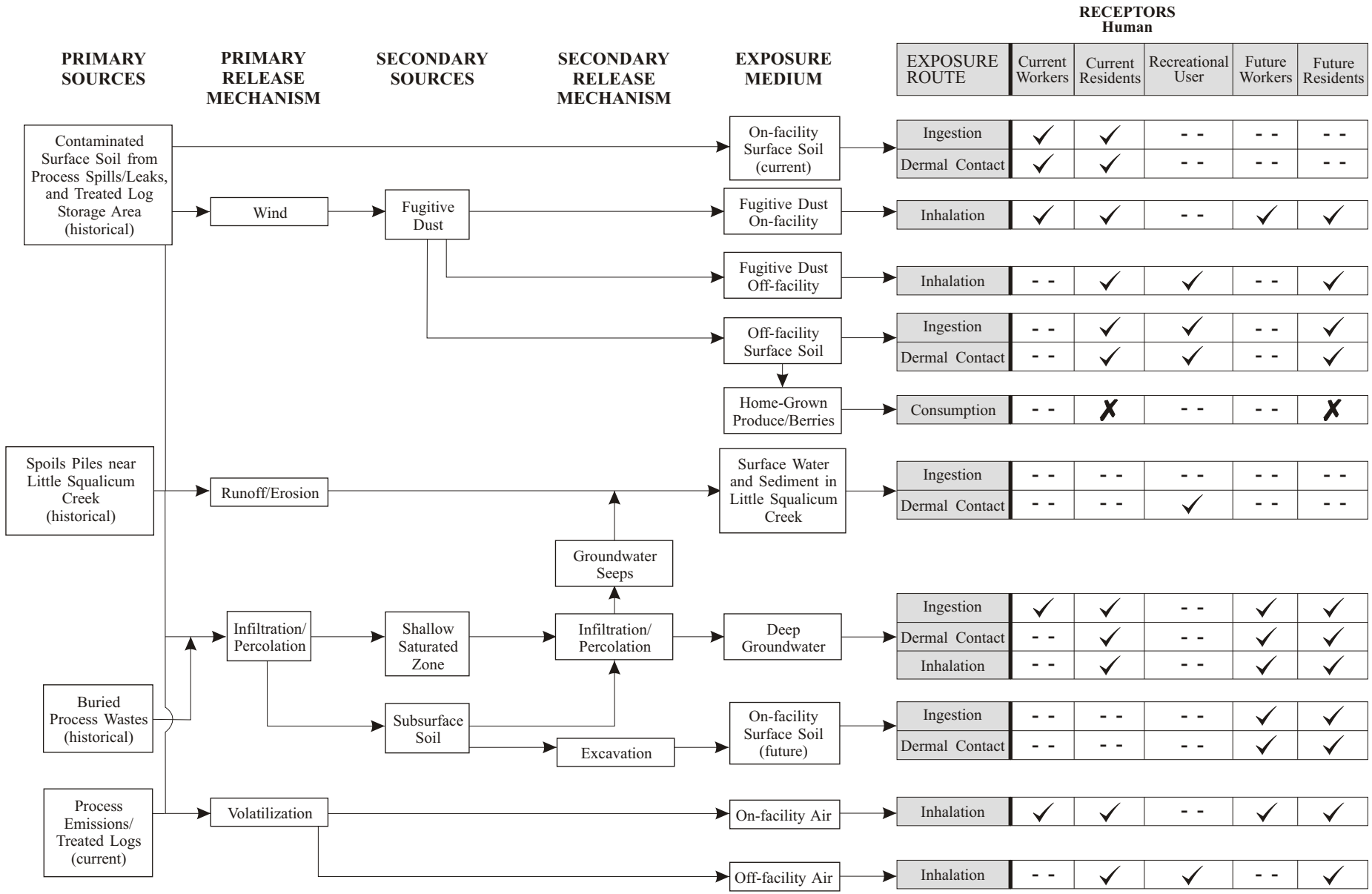

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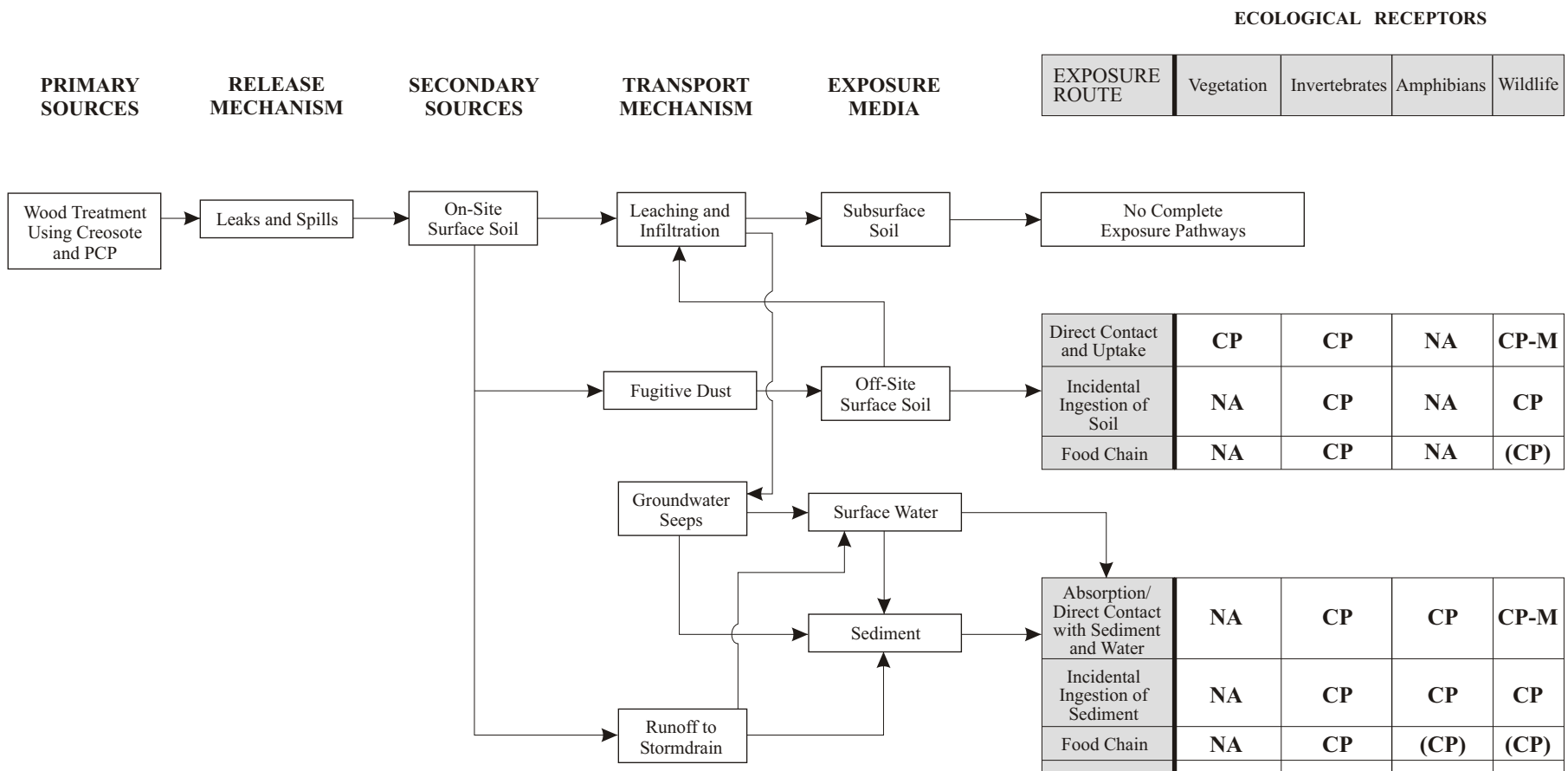
LEGEND
✓ = Complete Pathway Evaluated in the Risk Assessment
✗ = Evaluated in the Screening Process, but not quantified in the Risk Assessment
- - = Incomplete Exposure Pathway

THE OESER COMPANY SUPERFUND SITE
Bellingham, Washington

Past and Present Conditions

Figure 6
HUMAN HEALTH CONCEPTUAL SITE MODEL

Date: 6/17/03 | Drawn by: AES | 10:START-2\01030016\fig 6



EXPOSURE ROUTE	Vegetation	Invertebrates	Amphibians	Wildlife
Direct Contact and Uptake	CP	CP	NA	CP-M
Incidental Ingestion of Soil	NA	CP	NA	CP
Food Chain	NA	CP	NA	(CP)
Absorption/ Direct Contact with Sediment and Water	NA	CP	CP	CP-M
Incidental Ingestion of Sediment	NA	CP	CP	CP
Food Chain	NA	CP	(CP)	(CP)
Drinking of Surface Water	NA	NA	NA	CP-M

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LEGEND
CP = Complete Exposure Route
(CP) = Important Only for Organic Chemicals that Biomagnify in Food Chains (such as dioxin)
CP-M = Complete but Considered Minor
NA = Not Applicable
PCP = Pentachlorophenol

THE OESER COMPANY SUPERFUND SITE
Bellingham, Washington

Past and Present Conditions

Figure 7
ECOLOGICAL CONCEPTUAL SITE MODEL

Date: 6/17/03 | Drawn by: AES | 10:START-2\01030016\fig 7

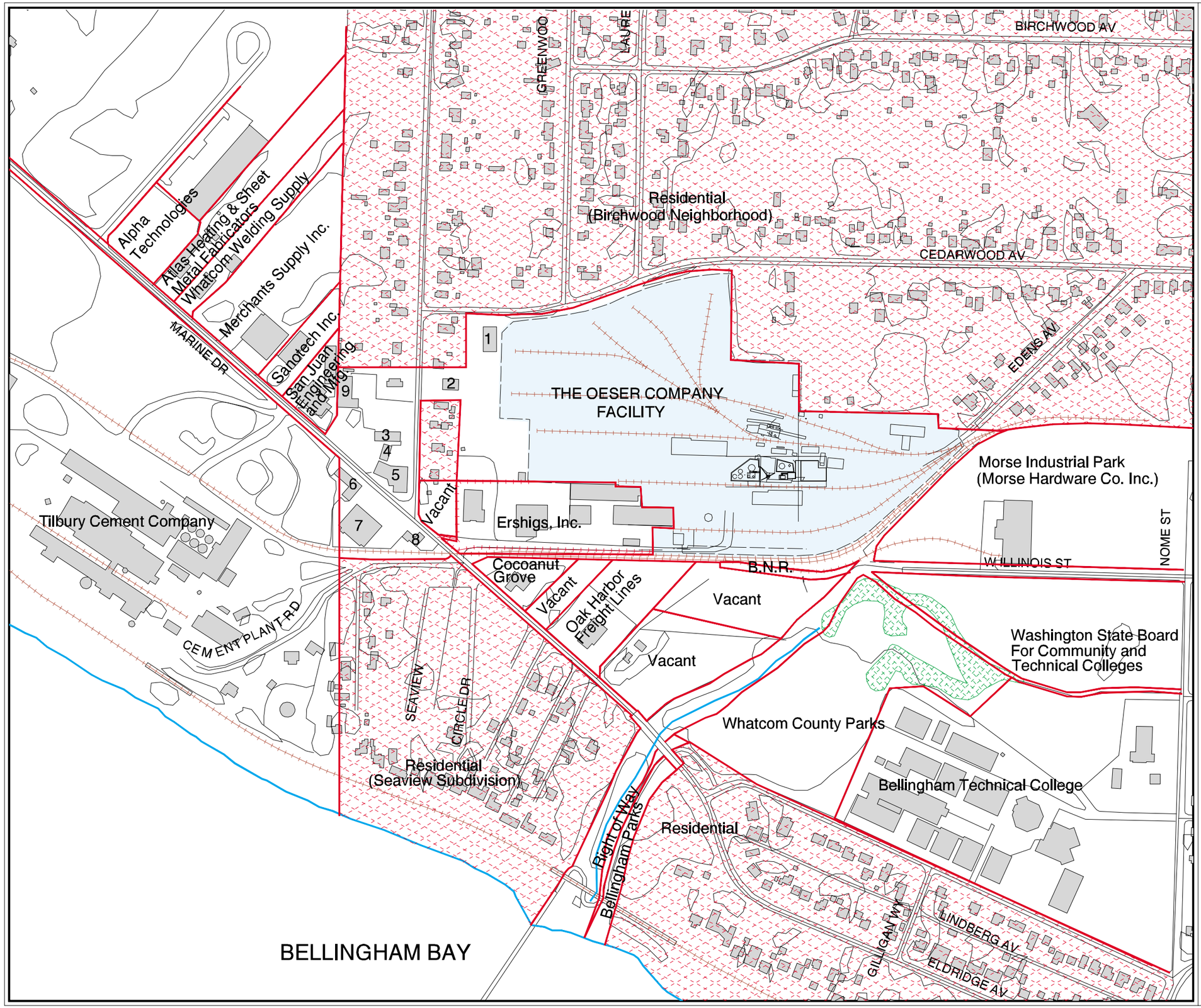

Figure 8

THE OESER COMPANY SUPERFUND SITE

Bellingham, Washington

Land Use

Legend

- Landuse Boundary
- The Oeser Company Facility
- Wetlands
- Residential
- 1 Bennett Storage
- 2 B & B Paint Company
- 3 Headquarters-Whatcom Fire District #8
- 4 Interstate Batteries (Vacant for Lease)
- 5 Marine Drive Market/Echo Free Ad Paper
- 6 Northshore Student Center
- 7 Northshore Church
- 8 Marine Drive Auto Service
- 9 U.S. Customs

N W E S

0 250 500 750 1000

Feet

MAP SOURCE

City of Bellingham - Department of Public Works
Topographic Data Date: 1988

Oeser Company Site Map
Larry Steele & Associates
Survey Date: 12/3/1997

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/data1/oeser/rifs/fig8.aml

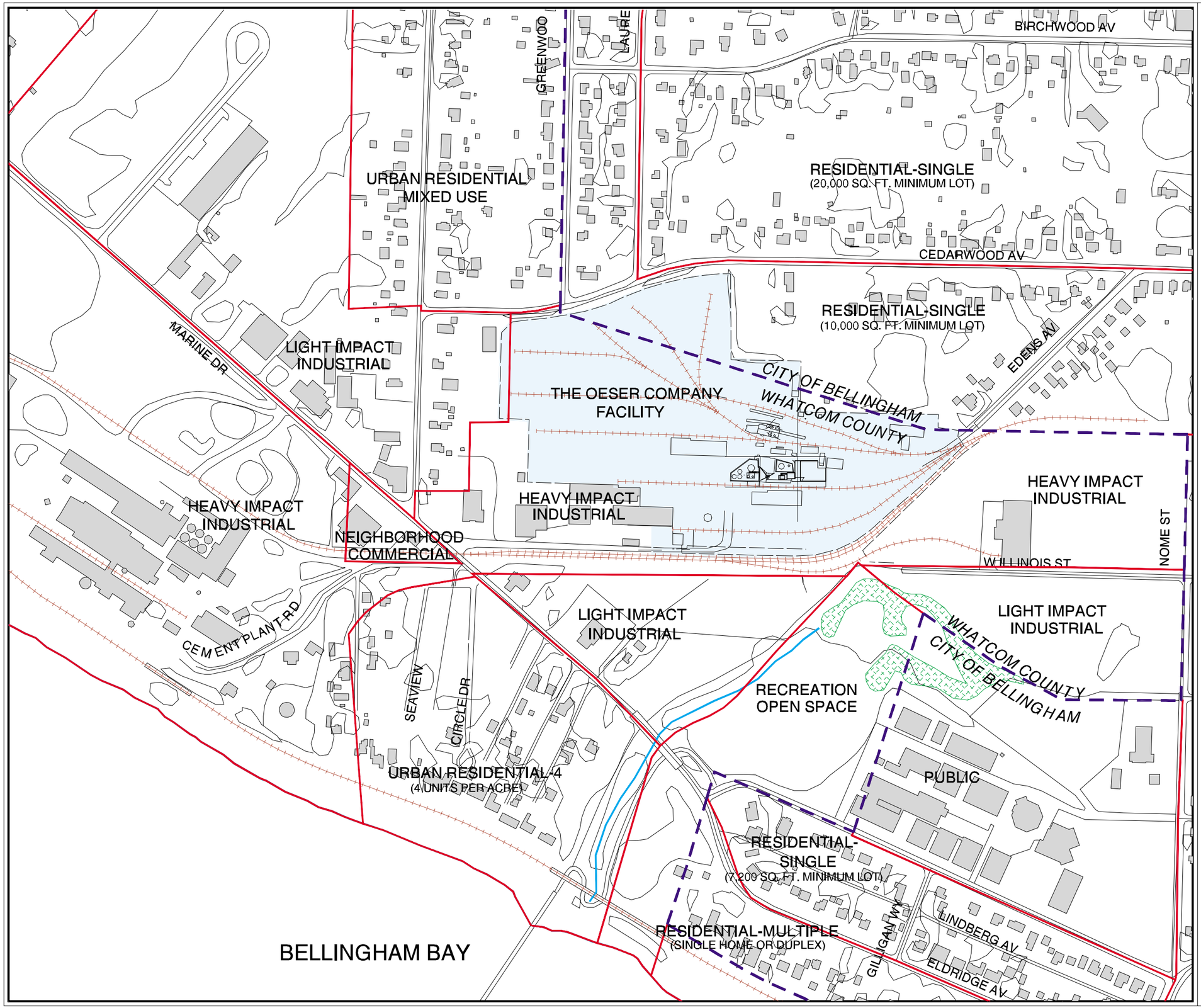

Figure 9

THE OESER COMPANY SUPERFUND SITE

Bellingham, Washington

City of Bellingham and Whatcom County Zoning Designations

Legend

- The Oeser Company Facility
- City/County Jurisdictional Boundary
- Zone Boundary

N
W E
S

0 250 500 750 1000
Feet

MAP SOURCE

City of Bellingham - Department of Public Works
Topographic Data Date: 1988

Oeser Company Site Map
Larry Steele & Associates
Survey Date: 12/3/1997

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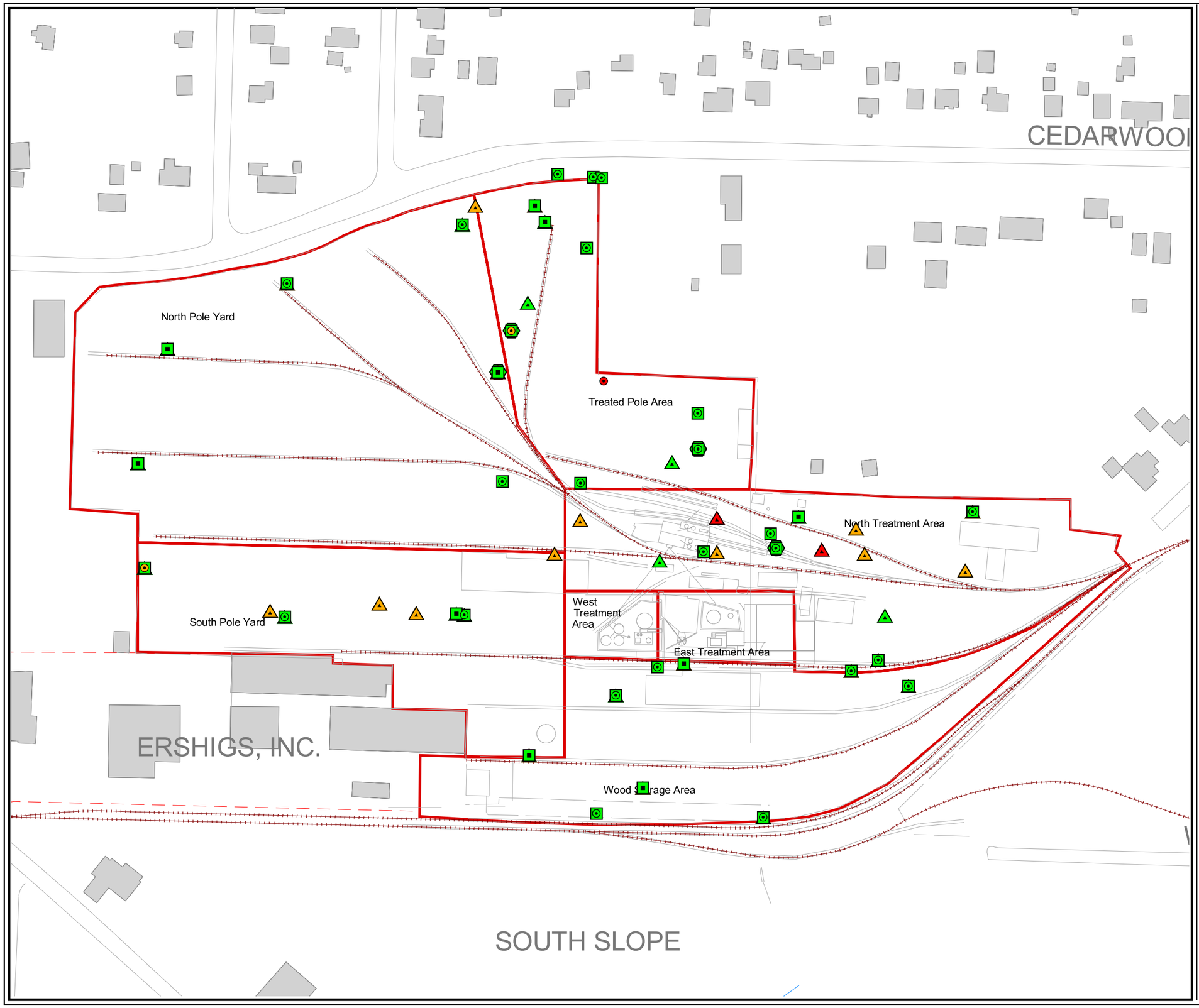

Figure 10

THE OESER COMPANY SUPERFUND SITE

Bellingham, Washington

Surface Soil Contamination Greater Than Cleanup Levels

Legend

B(a)P Sample Location
- 0 - 8.9 mg/kg (Below CUL)
- 8.9 - 89 mg/kg
- >= 89 mg/kg

Naphthalene Sample Location
- 0 - 262 mg/kg (Below CUL)
- 262 - 2620 mg/kg
- 2620 - 10000 mg/kg

Dioxin Sample Location
- 0 - 875 ng/kg (Below CUL)
- 875 - 8750 ng/kg
- >= 8750 ng/kg

Pentachlorophenol Sample Location
- 0 - 120 mg/kg (Below CUL)
- 120 - 1200 mg/kg
- >= 1200 mg/kg

Railroad
Oeser Facility Layout
Oeser Facility Areas
Buildings

N W E S

100 0 100 200 300 Feet

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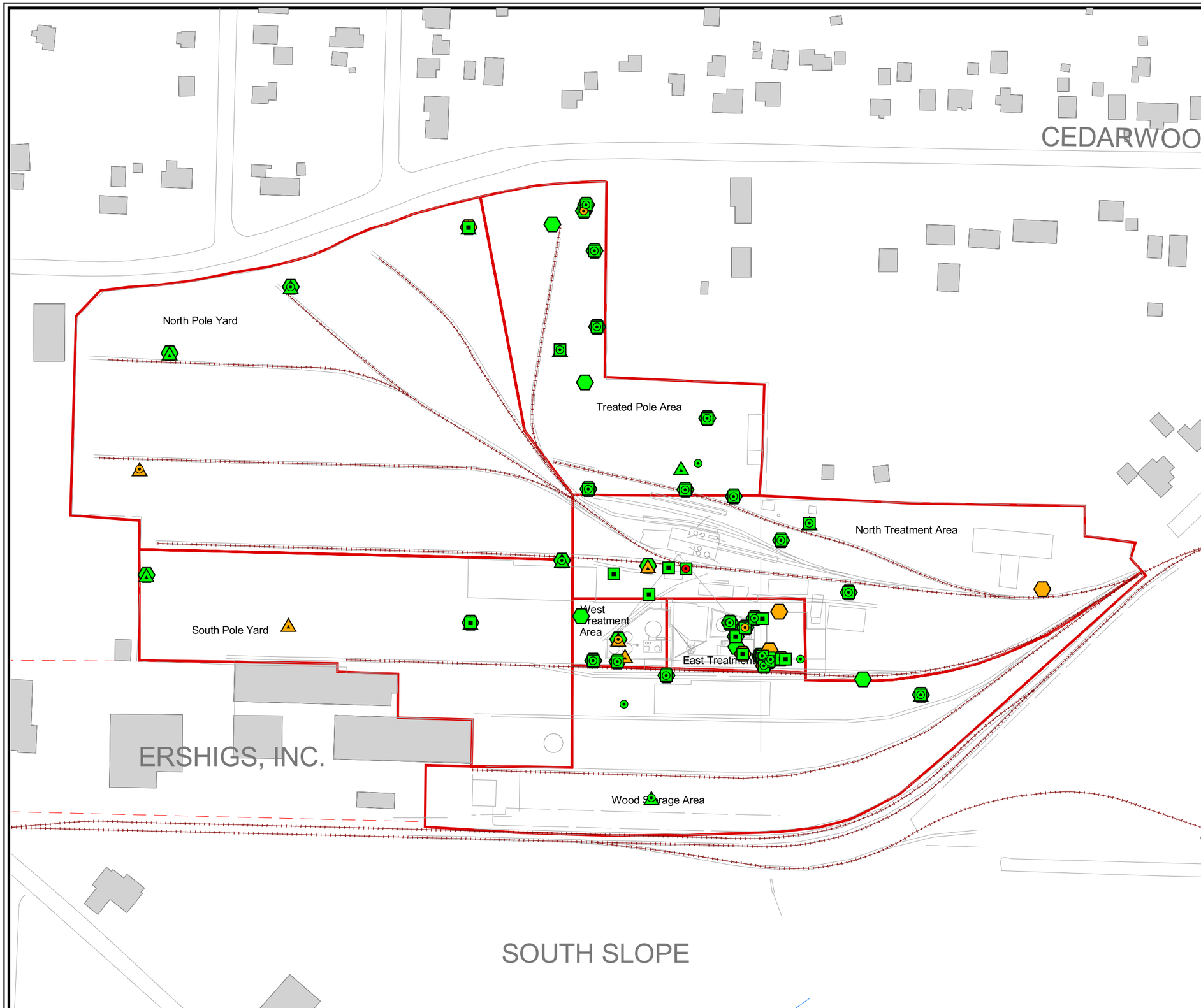

Figure 11

THE OESER COMPANY SUPERFUND SITE

Bellingham, Washington

Subsurface Soil Contamination Greater Than Cleanup Levels 0 - 6 Feet

Legend

B(a)P Sample Location
- 0 - 8.9 mg/kg (Below CUL)
- 8.9 - 89 mg/kg
- >= 89 mg/kg

Naphthalene Sample Location
- 0 - 262 mg/kg (Below CUL)
- 262 - 2620 mg/kg
- >= 2620 mg/kg

Dioxin Sample Location
- 0 - 875 ng/kg (Below CUL)
- 875 - 8750 ng/kg
- >= 8750 ng/kg

Pentachlorophenol Sample Location
- 0 - 120 mg/kg (Below CUL)
- 120 - 1200 mg/kg
- >= 1200 mg/kg

- Railroad
- Oeser Facility Layout
- Oeser Facility Areas
- Buildings

N W E S

100 0 100 200 300 Feet

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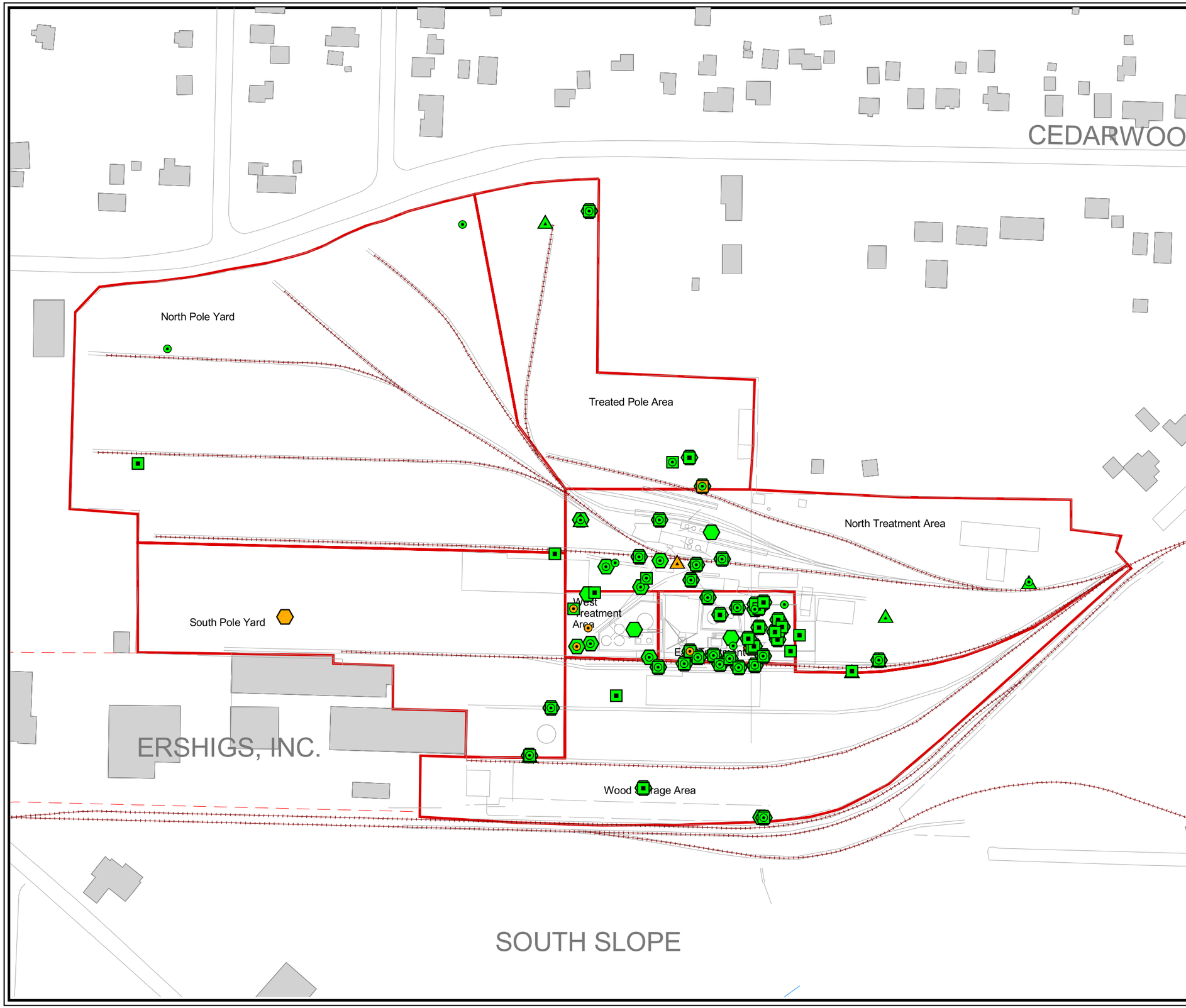

Figure 12

THE OESER COMPANY SUPERFUND SITE

Bellingham, Washington

Subsurface Soil Contamination Greater Than Cleanup Levels 6 - 12 Feet

Legend

B(a)P Sample Location
- 0 - 8.9 mg/kg (Below CUL)
- 8.9 - 89 mg/kg
- >= 89 mg/kg

Naphthalene Sample Location
- 0 - 262 mg/kg (Below CUL)
- 262 - 2620 mg/kg
- >= 2620 mg/kg

Dioxin Sample Location
- 0 - 875 ng/kg (Below CUL)
- 875 - 8750 ng/kg
- >= 8750 ng/kg

Pentachlorophenol Sample Location
- 0 - 120 mg/kg (Below CUL)
- 120 - 1200 mg/kg
- >= 1200 mg/kg

Railroad
Oeser Facility Layout
Oeser Facility Areas
Buildings

N W E S

100 0 100 200 300 Feet

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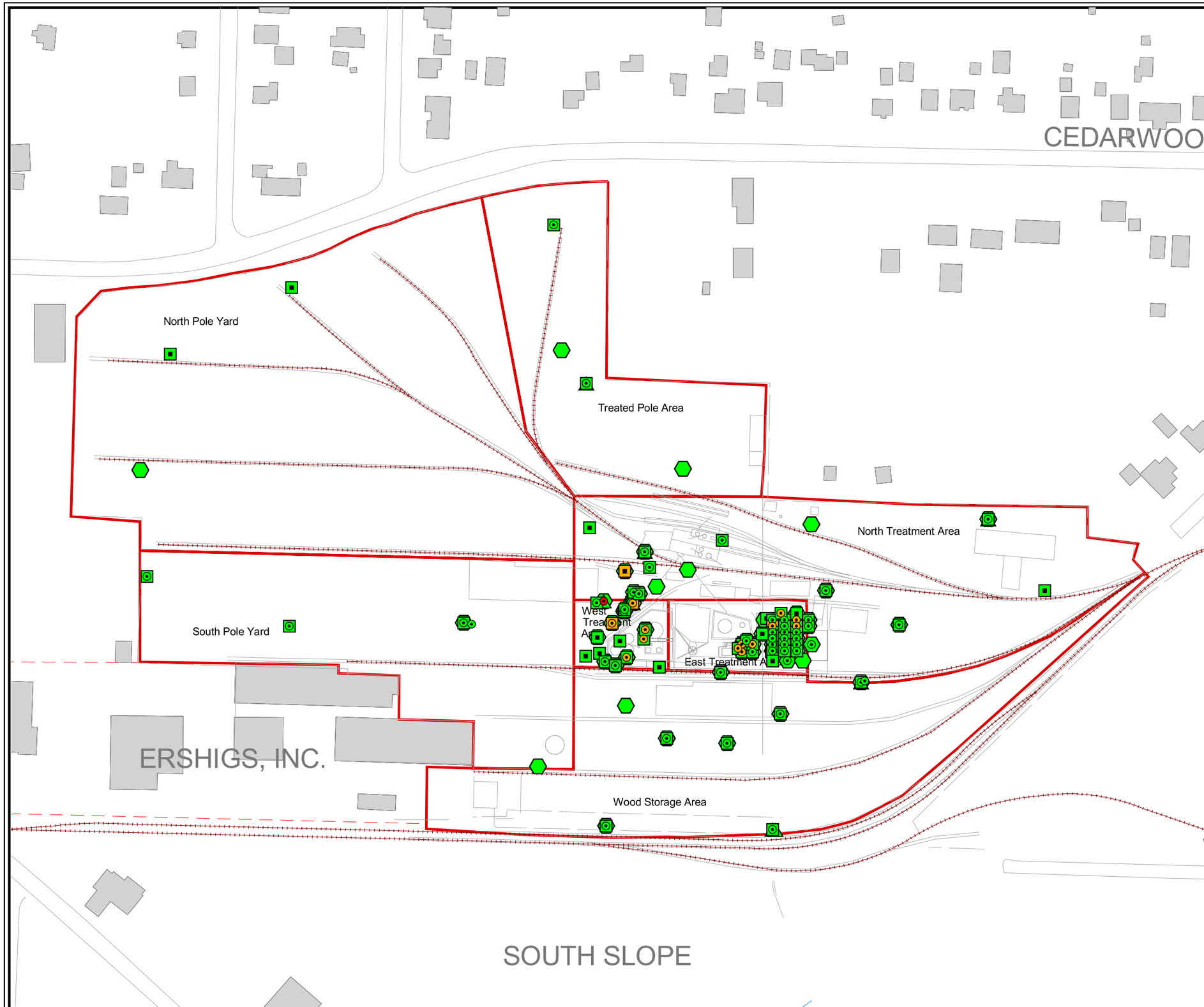

Figure 13

THE OESER COMPANY
SUPERFUND SITE

Bellingham, Washington

Subsurface Soil Contamination
Greater Than Cleanup Levels
12 - 23 Feet

Legend

B(a)P Sample Location
- 0 - 8.9 mg/kg (Below CUL)
- 8.9 - 89 mg/kg
- >= 89 mg/kg

Naphthalene Sample Location
- 0 - 262 mg/kg (Below CUL)
- 262 - 2620 mg/kg
- >= 2620 mg/kg

Dioxin Sample Location
- 0 - 875 ng/kg (Below CUL)
- 875 - 8750 ng/kg
- >= 8750 ng/kg

Pentachlorophenol Sample Location
- 0 - 120 mg/kg (Below CUL)
- 120 - 1200 mg/kg
- >= 1200 mg/kg

Railroad
Oeser Facility Layout
Oeser Facility Areas
Buildings

N
W E
S

100 0 100 200 300 Feet

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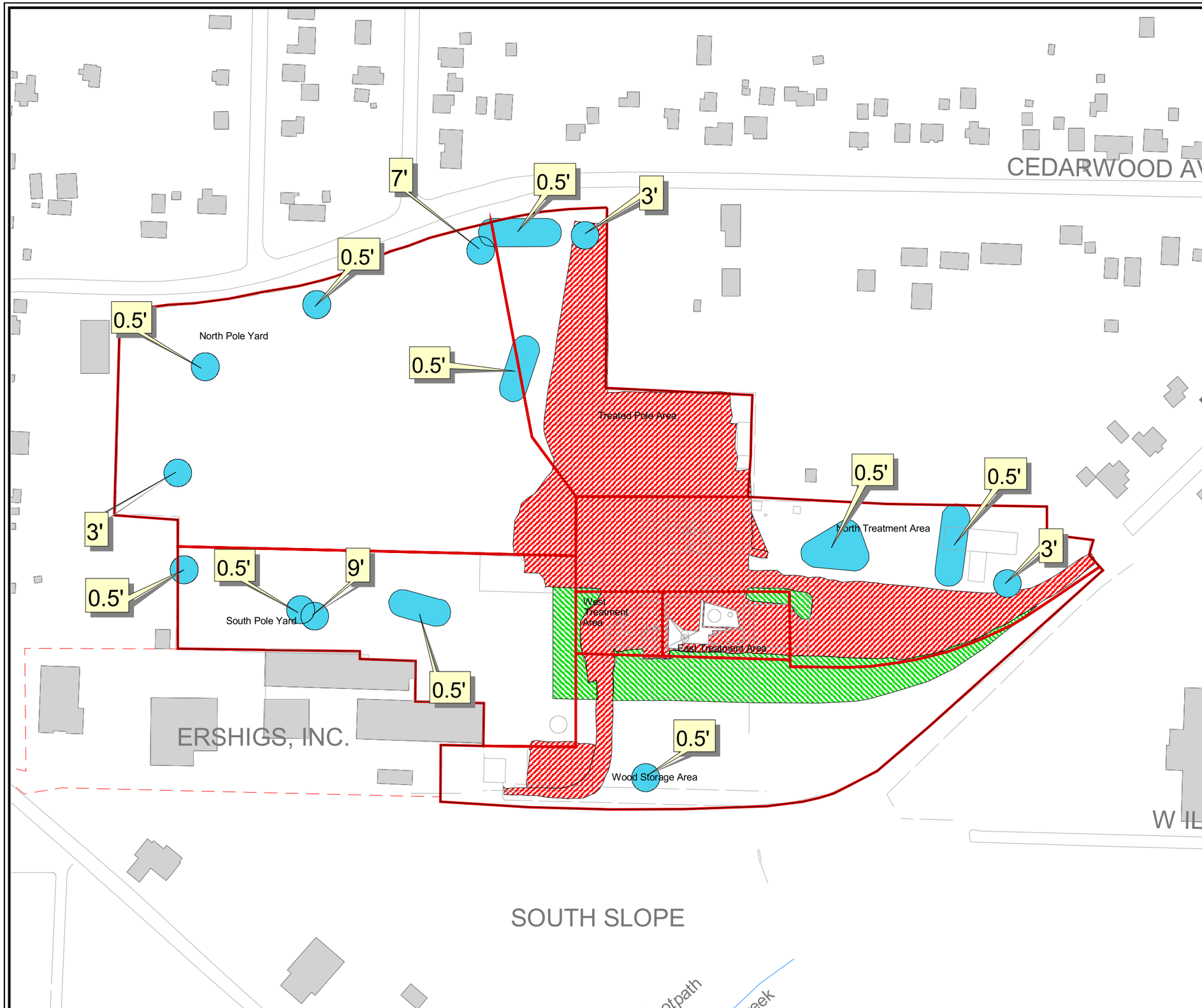
Figure 14

THE OESER COMPANY
SUPERFUND SITE

Bellingham, Washington

Areas Requiring
Excavation or Capping



Legend

- Oeser Facility Areas
- Oeser Facility Layout
- Buildings

Proposed Remedy

- Proposed Capping
- Proposed Excavation
- Existing Asphalt
- 0.5' Excavation Depth in Feet

N
W E
S

100 0 100 200 300 Feet

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