

**APPENDIX A**

**Legal Descriptions**

## APPENDIX A

### Legal Descriptions

#### **GCI Compound, UST GCI-1**

That portion of Adak Island, State of Alaska, described as follows:

Commencing at U.S. Navy control point H-7 (NAD 83 - N=317,457.30 E=3,135,573.38), which is South 22°36'59" West 1,731.18 feet from U.S. Navy control point H-5; thence North 09°37'25" East 368.83 feet to the POINT OF BEGINNING; thence North 89°29'26" West 124.00 feet; thence North 00°30'34" East 76.08 feet; thence South 87°45'03" East 83.63 feet; thence North 75°49'50" East 121.24 feet; thence South 75°40'17" East 66.15 feet; thence South 58°25'35" West 166.54 feet to the POINT OF BEGINNING. Containing 0.38 acres more or less.

#### **SA 80, Steam Plant 4, USTs 27089 and 27090**

That portion of Adak Island, State of Alaska, described as follows:

Commencing at U.S. Navy control point H-5 (NAD 83 - N=319,055.35 E=3,136,239.11), which is North 22°36'59" East 1,731.18 feet from U.S. Navy control point H-7; thence North 01°30'45" East 1,565.76 feet to the POINT OF BEGINNING; thence South 76°31'31" West 195.31 feet; thence North 86°46'35" West 134.45 feet; thence North 61°28'24" East 267.20 feet; thence South 79°03'46" East 91.72 feet; thence South 00°30'34" West 72.26 feet to the POINT OF BEGINNING. Containing 0.53 acres more or less.

#### **Tanker Shed, UST 42494**

That portion of Adak Island, State of Alaska, described as follows:

Commencing at U.S. Navy control point H-5 (NAD 83 - N=319,055.35 E=3,136,239.12), which is North 22°36'59" East 1,731.18 feet from U.S. Navy control point H-7; thence North 87°21'26" West 894.01 feet to the POINT OF BEGINNING; thence South 00°30'34" West 148.86 feet; thence North 89°29'26" West 132.56 feet; thence North 00°30'34" East 148.86 feet; thence South 89°29'26" East 132.56 feet to the POINT OF BEGINNING. Containing 0.45 acres more or less.

**SA 78, Old Transportation Building USTs 10583, 10584, and ASTs**

That portion of Adak Island, State of Alaska, described as follows:

Commencing at U.S. Navy control point M-8G (NAD 83 - N=346,983.09 E=3,147,350.90), which is North 05°52'01" West 2,182.08 feet from U.S. Navy control point E.A.; thence South 80°44'33" East 1,380.76 feet to the POINT OF BEGINNING; thence South 50°11'47" East 175.45 feet; thence South 00°30'24" West 110.27 feet; thence South 76°42'12" West 129.77 feet; thence North 31°51'07" West 105.44 feet; thence North 16°27'31" East 169.83 feet to the POINT OF BEGINNING. Containing 0.69 acres more or less.

**SA 82, P-80/P-81 Buildings, USTs 10579, 10587, and ASTs**

That portion of Adak Island, State of Alaska, described as follows:

Commencing at U.S. Navy control point M-8G (NAD 83 - N=346,983.09 E=3,147,350.90), which is North 05°52'01" West 2,182.08 feet from U.S. Navy control point E.A.; thence North 30°24'15" West 3,457.58 feet to the POINT OF BEGINNING; thence South 73°52'44" West 103.16 feet; thence South 49°33'01" West 73.61 feet; thence North 36°55'36" West 39.31 feet; thence North 49°32'50" East 73.73 feet; thence North 73°22'00" East 104.07 feet; thence South 35°04'26" East 39.89 feet to the POINT OF BEGINNING. Containing 0.16 acres more or less.

**SA 88, P-70 Energy Generator, UST 10578**

That portion of Adak Island, State of Alaska, described as follows:

Commencing at U.S. Navy control point M-8G (NAD 83 - N=346,983.09 E=3,147,350.90), which is North 05°52'01" West 2,182.08 feet from U.S. Navy control point E.A.; thence North 35°50'08" East 2,574.42 feet to the POINT OF BEGINNING; thence North 30°42'04" West 50.36 feet; thence North 18°31'25" East 78.62 feet; thence South 89°29'36" East 33.94 feet; thence South 35°32'39" East 106.78 feet; thence South 00°30'24" West 31.51 feet; thence North 89°29'36" West 95.01 feet to the POINT OF BEGINNING. Containing 0.23 acres more or less.

**SWMU 58 and SA 73, Heating Plant No. 6**

That portion of Adak Island, State of Alaska, described as follows:

Commencing at U.S. Navy control point M-8G (NAD 83 - N=346,983.09 E=3,147,350.90), which is North 05°52'01" West 2,182.08 feet from U.S. Navy control point E.A.; thence South

51°47'55" East 831.60 feet to the POINT OF BEGINNING; thence South 38°53'45" East 155.17 feet; thence South 52°03'15" East 206.52 feet; thence South 00°30'24" East 219.92 feet; thence North 89°29'36" West 385.02 feet; thence North 18°23'04" East 217.73 feet; thence North 04°11'28" West 109.40 feet; thence North 17°29'05" West 63.85 feet; thence North 31°37'21" East 62.53 feet; thence North 56°42'35" East 62.67 feet to the POINT OF BEGINNING. Containing 2.76 acres more or less.

### **Yakutat Hangar, UST T-2039-A**

That portion of Adak Island, State of Alaska, described as follows:

Commencing at U.S. Navy control point A-12 (NAD 83 - N=318,813.81 E=3,131,902.86), which is North 69°43'02" West 3,913.16 feet from U.S. Navy control point H-7; thence North 07°56'11" East 938.77 feet to the POINT OF BEGINNING; thence North 16°44'48" East 283.61 feet; thence South 83°52'28" East 451.35 feet; thence South 19°32'32" West 92.81 feet; thence South 42°58'18" West 196.95 feet; thence North 88°43'15" West 365.29 feet to the POINT OF BEGINNING. Containing 2.51 acres more or less.

### **NORPAC Hill Seep Area**

That portion of Adak Island, State of Alaska, described as follows:

Commencing at U.S. Navy control point H-5 (NAD 83 - N=319,055.35 E=3,136,239.12), which is North 22°36'59" East 1,731.18 feet from U.S. Navy control point H-7; thence North 45°00'38" East 2,902.90 feet to the POINT OF BEGINNING; thence North 12°43'52" East 265.01 feet; thence South 89°29'26" East 510.40 feet; thence South 37°39'55" West 408.79 feet; thence North 77°41'06" West 326.51 feet to the POINT OF BEGINNING. Containing 2.90 acres more or less.

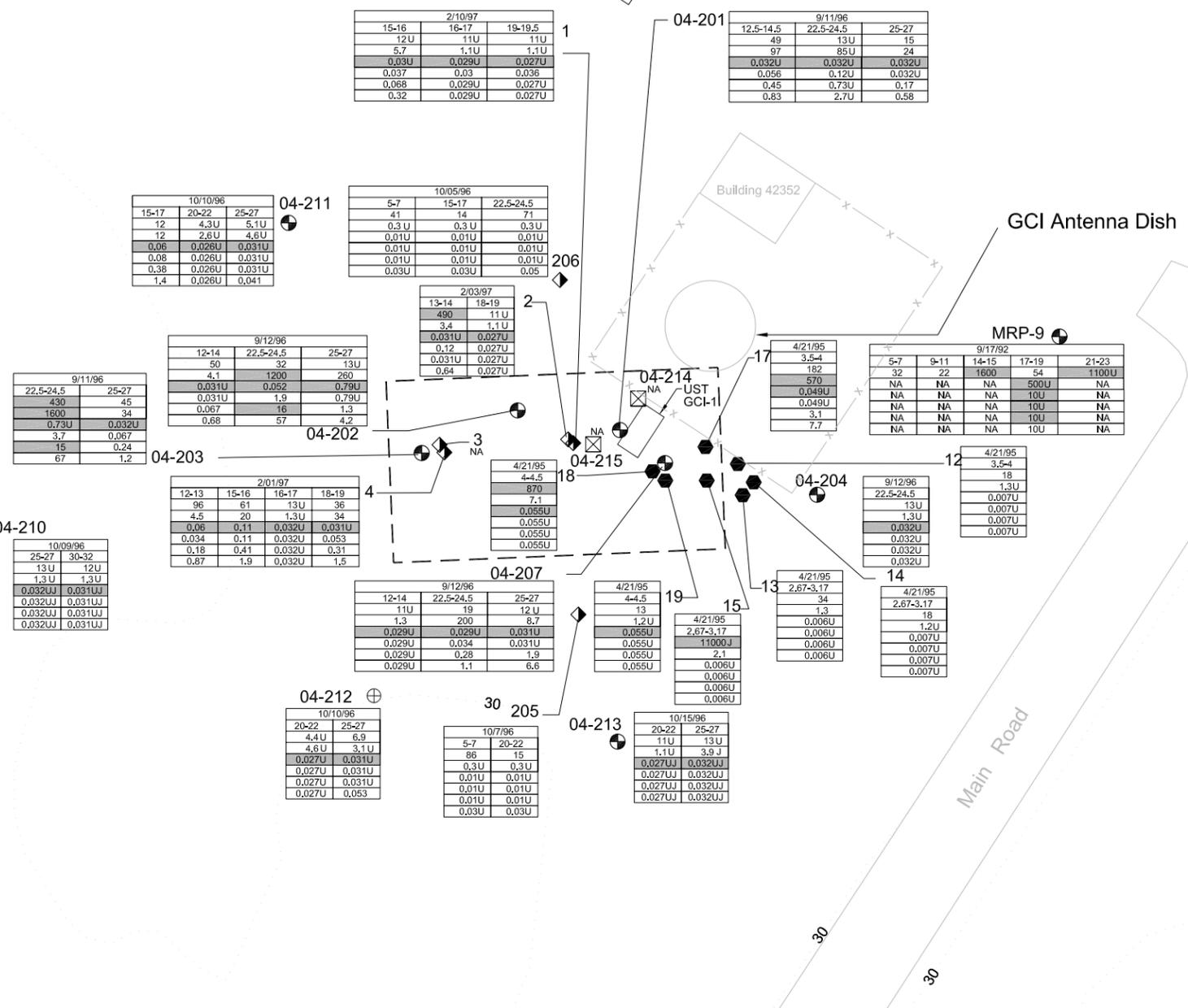
## **APPENDIX B**

**Site Maps Presenting Concentrations of Gasoline-Range Organics,  
Diesel-Range Organics, Benzene, Toluene, Ethylbenzene, and  
Xylenes in Soil and Groundwater at the Subject Sites**

# LEGEND

- 25 Elevation Contour (ft Above MLLW)
  - == Road
  - X- Fence
  - ⊕ Monitoring Well
  - ⊕ Abandoned Monitoring Well
  - ⊗ Abandoned Geoprobe Well
  - ◆ Soil Boring
  - Soil Sample
- Sample Location**
- Chemical Concentrations in Soil (mg/kg)**
- | Sample ID | Sample Date | Sample Depth Interval (ft bgs) | DRO | GRO | Benzene | Toluene | Ethylbenzene | Total Xylenes |
|-----------|-------------|--------------------------------|-----|-----|---------|---------|--------------|---------------|
| 04-211    | 10/10/96    | 15-17                          | 12  | 12  | 0.06    | 0.08    | 0.38         | 1.4           |
- - - Source Area Soils Containing DRO or GRO at Reported Concentrations Greater Than 200 mg/kg. This Area is Used During Fate and Transport Modeling to Estimate the Soluble Mass of Contaminants in soil.
  - U Chemical Not Detected at Concentration Shown
  - J Estimated Concentration
  - bgs Below Ground Surface
  - NA Not Analyzed
  - █ Exceeds Most Stringent Criteria

| 7/20/98 |         |
|---------|---------|
| 4.5-5   | 10.5-11 |
| 4.7U    | 5.7     |
| 2.9U    | 3.2U    |
| 0.03U   | 0.03U   |



| Alaska DEC Method 2 Soil Criteria Over 40-Inch Rainfall Zone |               |              |                          |
|--|---------------|--------------|--------------------------|
|  | Ingestion     | Inhalation   | Migration to Groundwater |
| DRO  | 8,250 mg/kg   | 12,500 mg/kg | 230 mg/kg                |
| GRO  | 1,400 mg/kg   | 1,400 mg/kg  | 260 mg/kg                |
| Benzene  | 230 mg/kg     | 6.4 mg/kg    | 0.02 mg/kg               |
| Toluene  | 17,000 mg/kg  | 180 mg/kg    | 4.8 mg/kg                |
| Ethylbenzene   | 8,300 mg/kg   | 89 mg/kg     | 5 mg/kg                  |
| Total xylenes  | 166,000 mg/kg | 81 mg/kg     | 69 mg/kg                 |

Note: These criteria levels are specified for petroleum release sites at Adak in the Record of Decision for Operable Unit A.

|  |   |  |   |
|--|---|--|---|
|  | Delivery Order 0037<br>Adak Island, AK<br>DECISION DOCUMENT |  | <b>Figure B-1</b><br><b>DRO, GRO, and BTEX Concentrations in Soil</b><br><b>GCI Compound, UST GCI-1</b> |
|--|---|--|---|

**LEGEND**

- - - 25 - - - Elevation Contour (ft Above MLLW)
- ==== Road
- X- Fence
- ⊕ Monitoring Well
- ⊗ Abandoned Geoprobe Well
- ⊕ Abandoned Well

Note: Concentrations in ug/L.

| 04-210 | 10/15/96 | Sample Date   |
|--------|----------|---------------|
|        | 250 U    | DRO           |
|        | 100 U    | GRO           |
|        | 1 U      | Benzene       |
|        | 1 U      | Toluene       |
|        | 2 U      | Ethylbenzene  |
|        | 2 U      | Total Xylenes |

- U Chemical Not Detected at Concentration Shown
- J Estimated Concentration
- NA Not Analyzed

| Alaska DEC Groundwater Criteria |             |
|---------------------------------|-------------|
| DRO                             | 1,500 ug/L  |
| GRO                             | 1,300 ug/L  |
| Benzene                         | 5 ug/L      |
| Toluene                         | 1,000 ug/L  |
| Ethylbenzene                    | 700 ug/L    |
| Total xylenes                   | 10,000 ug/L |

Note: These criteria are for groundwater used as a drinking water source. Criteria for groundwater not used as a drinking water source are 10 times the values listed (18 AAC 75).

█ Exceeds Criteria



| 04-701 | 8/7/96 | 8/16/99 | 11/9/99 | 2/18/00 | 7/9/00 | 10/04/01 | 8/1/02 |
|--------|--------|---------|---------|---------|--------|----------|--------|
|        | 190U   | 100U    | 170     | 160U    | 160U   | 595 U    | NA     |
|        | 100U   | 20U     | 25      | 20U     | 20U    | 184      | 7.3U   |
|        | 1U     | 0.4U    | 0.2U    | 0.2U    | 0.2U   | 1.35     | 1U     |
|        | 1U     | 1U      | 0.8U    | 0.3U    | 0.3U   | 2U       | 1U     |
|        | 1U     | 0.4U    | 0.2U    | 0.2U    | 0.2U   | 2U       | 1U     |
|        | 1U     | 0.8U    | 1.88    | 0.4U    | 0.4U   | 2.49     | 3U     |

| 04-210 | 10/15/96 | 8/1/02 |
|--------|----------|--------|
|        | 600      | 420    |
|        | 14000    | 5000   |
|        | 36       | 12     |
|        | 170      | 29     |
|        | 260      | 110    |
|        | 1000     | 330    |

| 04-211 | 10/15/96 | 8/1/02 |
|--------|----------|--------|
|        | 740      | 190    |
|        | 5800     | 2500   |
|        | 20 U     | 6.9    |
|        | 20 U     | 5.0    |
|        | 43       | 18     |
|        | 130      | 47     |

| 04-202 | 9/18/96 | 10/6/97 | 7/31/02 |
|--------|---------|---------|---------|
|        | 1200    | 2100J   | 660     |
|        | 16000   | 12000   | 5100    |
|        | 200     | 21      | 8.7     |
|        | 170     | 120     | 53      |
|        | 390     | 130     | 90      |
|        | 1800    | 800     | 310     |

| 04-203 | 9/18/96 | 10/28/97 | 8/07/98 | 7/31/02 |
|--------|---------|----------|---------|---------|
|        | 960     | 700      | 1500 J  | 300     |
|        | 17000   | 4300     | 3400    | 2.800   |
|        | 220     | 8.1      | 13      | 10      |
|        | 460     | 24       | 25      | 18      |
|        | 550     | 66       | 100     | 90      |
|        | 2500    | 224      | 400     | 280     |

| 04-201 | 9/17/96 | 10/28/97 & 11/9/97 | 7/31/02 |
|--------|---------|--------------------|---------|
|        | 2200J   | 600                | 290     |
|        | 20000   | 9800J              | 2600    |
|        | 360     | 22                 | 5.2     |
|        | 130     | 32                 | 1.6     |
|        | 340     | 11                 | 7.8     |
|        | 1700    | 36                 | 33      |

| 04-207 | 9/17/96 | 8/1/02 |
|--------|---------|--------|
|        | 610J    | 2700   |
|        | 7600    | 1700   |
|        | 130     | 2.3    |
|        | 23      | 2.8    |
|        | 29      | 9.4    |
|        | 90      | 32     |

| 04-204 | 9/18/96 | 7/31/02 |
|--------|---------|---------|
|        | 260U    | 160U    |
|        | 620     | 110     |
|        | 5.3     | 1U      |
|        | 0.57    | 1U      |
|        | 0.5U    | 1U      |
|        | 2.6     | 3U      |

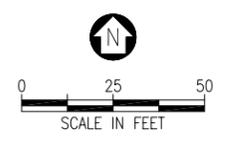
| MRP-9 | 11/6/92 | 9/19/96 | 8/1/02 |
|-------|---------|---------|--------|
|       | 820     | 480     | 76J    |
|       | NA      | 400     | 31U    |
|       | NA      | 3.5J    | 0.77J  |
|       | NA      | 1U      | 1U     |
|       | NA      | 1U      | 1U     |
|       | NA      | 1.4     | 3U     |

| 04-212 | 10/15/96 |
|--------|----------|
|        | 240 U    |
|        | 100 U    |
|        | 1 U      |
|        | 1 U      |
|        | 1 U      |

| 04-213 | 10/15/96 | 8/1/02 |
|--------|----------|--------|
|        | 1800     | 150J   |
|        | 6000     | 4000   |
|        | 10 U     | 3.0    |
|        | 10 U     | 3.6    |
|        | 20       | 5.4    |
|        | 73       | 14     |

**U.S. NAVY**

Delivery Order 0037  
Adak Island, AK  
DECISION DOCUMENT



**Figure B-2**  
**DRO, GRO, and BTEX Concentrations in Groundwater**  
**GCI Compound, UST GCI-1**

# LEGEND

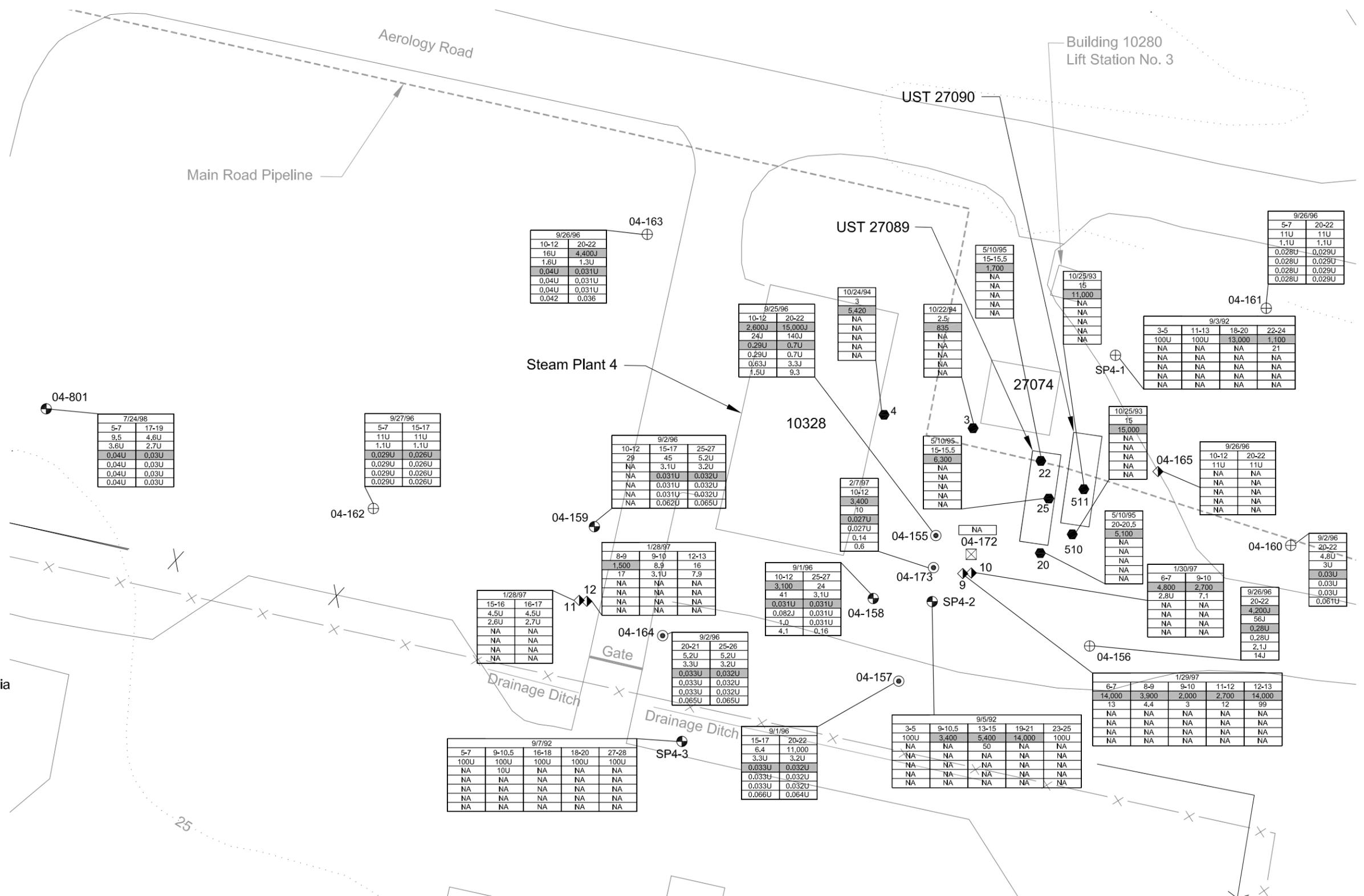
- Elevation Contour (ft Above MLLW)
- Fence
- Main Road Pipeline
- Monitoring Well
- Abandoned Well
- Soil Boring
- Geoprobe Well (Abandoned)
- Recovery Well
- Soil Sample

## Sample Location

### Chemical Concentrations in Soil (mg/kg)

|        |        |                                |
|--------|--------|--------------------------------|
| 04-173 | 2/7/97 | Sample Date                    |
|        | 10-12  | Sample Depth Interval (ft bgs) |
|        | 3,400  | DRO                            |
|        | 10     | GRO                            |
|        | 0.027U | Benzene                        |
|        | 0.027U | Toluene                        |
|        | 0.14   | Ethylbenzene                   |
|        | 0.6    | Total Xylenes                  |

- U** Chemical Not Detected at Detection Limit Shown
- J** Estimated Concentration
- bgs** Below Ground Surface
- NA** Not Analyzed
- Exceeds Most Stringent Criteria



| Alaska DEC Method 2 Soil Criteria Over 40-Inch Rainfall Zone |               |              |                          |
|--|---------------|--------------|--------------------------|
|  | Ingestion     | Inhalation   | Migration to Groundwater |
| DRO  | 8,250 mg/kg   | 12,500 mg/kg | 230 mg/kg                |
| GRO  | 1,400 mg/kg   | 1,400 mg/kg  | 260 mg/kg                |
| Benzene  | 230 mg/kg     | 6.4 mg/kg    | 0.02 mg/kg               |
| Toluene  | 17,000 mg/kg  | 180 mg/kg    | 4.8 mg/kg                |
| Ethylbenzene   | 8,300 mg/kg   | 89 mg/kg     | 5 mg/kg                  |
| Total xylenes  | 166,000 mg/kg | 81 mg/kg     | 69 mg/kg                 |

Note: These criteria are specified for petroleum release sites at Adak in the Record of Decision for Operable Unit A.

Delivery Order 0037  
Adak Island, AK  
DECISION DOCUMENT

SCALE IN FEET

**Figure B-3**  
**DRO, GRO, and BTEX Concentrations in Soil**  
**SA 80, Steam Plant No. 4**  
**USTs 27089 and 27090**

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