

**Explanation:**

--- OBRA Boundary for Planned Gateway Development Area

— Boundary of Oakland Army Base

Public Benefit Conveyance ("PBC") to Department of Interior on Behalf of the East Bay Regional Parks District (i.e., 15-Acre Parcel or "Spit") (Former BRAC Parcel 1), excluded from RAP/RMP

**Notes:**

1. All locations are approximate.
2. Aerial Photograph Source: Port of Oakland Archive, dated 2-25-02.

**Erler &  
Kalinowski, Inc.**

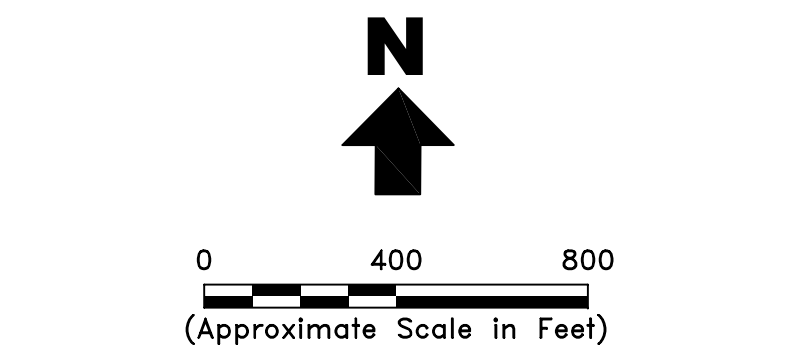
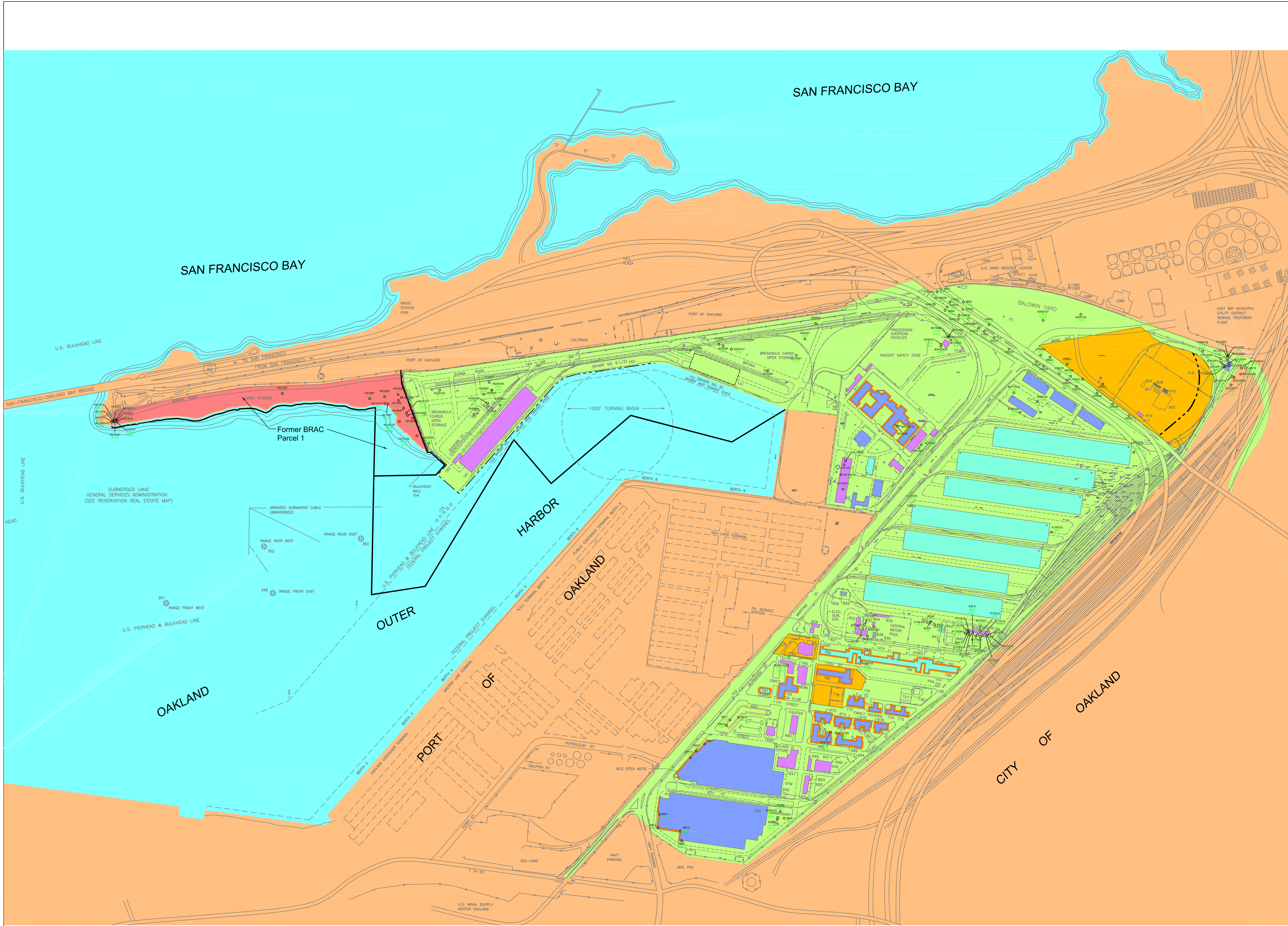
Aerial Photograph of  
Oakland Army Base

Oakland Army Base  
Oakland, CA  
July 2002  
EKI A10063.00  
Figure 1-2









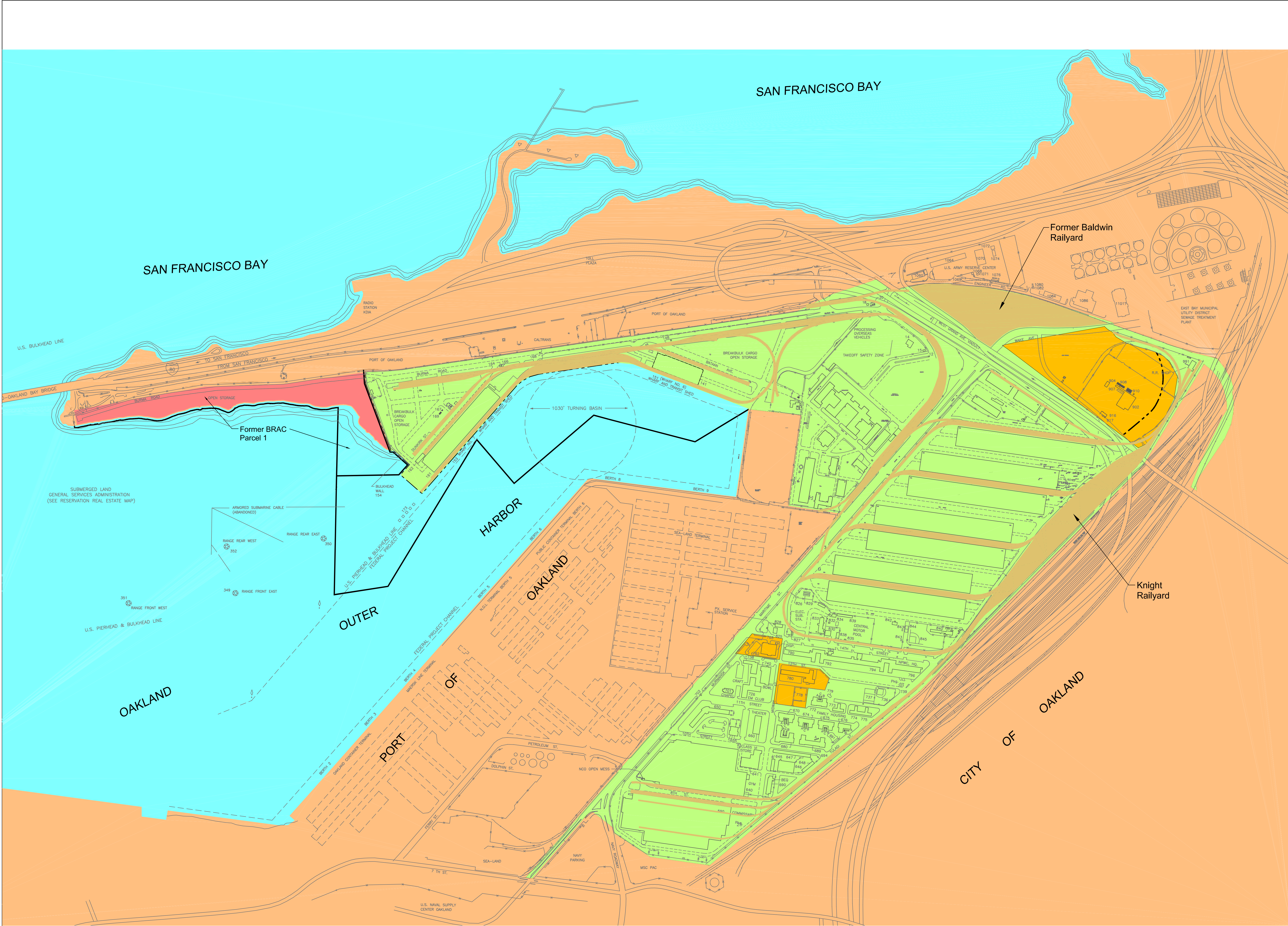
- EXPLANATION:**
- Shallow Soil Sample Location Defined as Ground Surface ("0") to Two Feet Below Ground Surface ("bgs")
  - (120) Lead Concentration in mg/kg
  - Light Blue Building Identified to Probably Contain Lead Based Paint ("LBP") Based on Age of Construction but not Tested by Army
  - Dark Blue Building Tested Positive for LBP by Army
  - Purple Building Tested Negative for LBP by Army
  - Orange Outline Area Suspected to Have Lead in Soil (Further Characterization Needed)
  - White No Information on Building
  - Green Base Realignment and Closure ("BRAC") Property Subject to Finding of Suitability for Early Transfer ("FOSET"), Including Adjacent Submerged Lands, to Oakland Base Reuse Authority ("OBRA") by No-Cost Economic Development Conveyance ("EDC") ("RMP Implementation Area")
  - Red BRAC Property with Eventual Finding of Suitability for Transfer to Department of Interior ("DOI") on Behalf of the East Bay Regional Parks District ("EBRPD") by Public Benefit Conveyance (Former BRAC Parcel 1)
  - Yellow U.S. Army Reserve Property
  - Light Orange Real Property Outside Oakland Army Base ("OARB")
  - Light Blue San Francisco Bay
  - Dashed Line OBRA Boundary for Planned Gateway Development Area
  - Thick Black Line Boundary of Oakland Army Base

- NOTES:**
- All locations are approximate.
  - OBRA boundary for Gateway Development based on Port of Oakland map entitled "Oakland Army Base - Approximate Acreages for Traffic Analysis Possible Future Development", dated 21 August 2000.
  - Basemap taken from IT Corporation "OARB Site Map", dated 17 February 1999.
  - LBP analytical results taken from U.S. Army Corps of Engineers "Lead-Based Paint, Oakland Army Base, Oakland, California", dated October 1997. Results of shallow soil sampling from OBRA's Phase II Investigation in May 2002 are not shown. Refer to electronic database in Appendix A of RAP for available lead results.
  - Buildings identified to probably contain LBP taken from U.S. Army Corps of Engineers "Basewide Environmental Baseline Survey for Oakland Army Base, Oakland, California", dated September 1996.

**Erler &  
Kalinowski, Inc.**

Lead Based Paint on Buildings





N

0400800

(Approximate Scale in Feet)

EXPLANATION:

Former Underground Storage Tank ("UST"), Above Ground Storage Tank ("AST"), Oil / Water Separator ("OWS"), Washrack, Building, or Other Location Addressed by Risk Management Plan ("RMP Locations")

Base Realignment and Closure ("BRAC") Property Subject to Finding of Suitability for Early Transfer ("FOSET"), Including Adjacent Submerged Lands, to Oakland Base Reuse Authority ("OBRA") by No-Cost Economic Development Conveyance ("EDC") ("RMP Implementation Area")

BRAC Property with Eventual Finding of Suitability for Transfer to Department of Interior ("DOI") on Behalf of the East Bay Regional Parks District ("EBRPD") by Public Benefit Conveyance (Former BRAC Parcel 1)

U.S. Army Reserve Property

Real Property Outside Oakland Army Base ("OARB")

San Francisco Bay

OBRA Boundary for Planned Gateway Development Area

Boundary of Oakland Army Base

NOTES:

- All locations are approximate.
- OBRA boundary for Gateway Development based on Port of Oakland map entitled "Oakland Army Base - Approximate Acres for Traffic Analysis Possible Future Development", dated 21 August 2000.
- Basemap taken from IT Corporation "OARB Site Map", dated 17 February 1999.

Erler & Kalinowski, Inc.

Railroad Tracks

Oakland Army Base  
Oakland, CA  
July 2002  
EKI A10063.00  
Figure 4-17



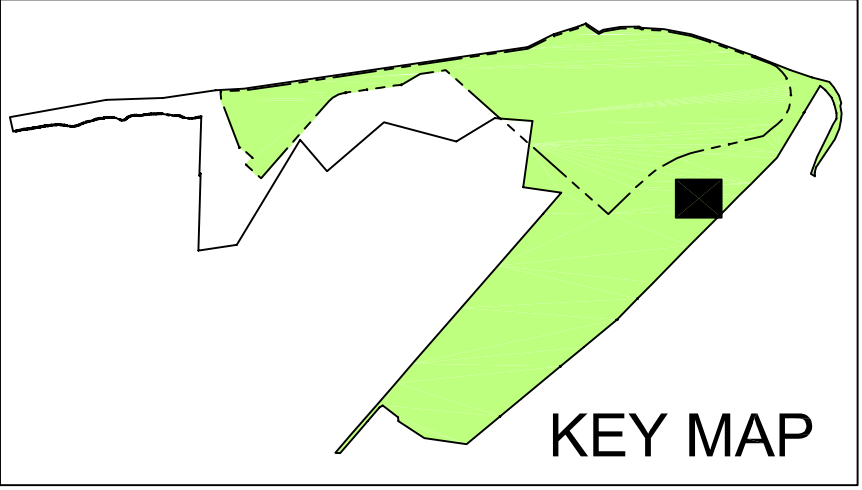


(Approximate Scale in Feet)

**Explanation:**

	Monitoring Well without Soil Samples
	Monitoring Well with Soil Samples
	Grab Groundwater Sample
	Soil Sample
	Soil and Grab Groundwater Sample
	Former Underground Storage Tank ("UST"), Above Ground Storage Tank ("AST"), Oil / Water Separator ("OWS"), Washrack, Building, or Other Location Addressed by Risk Management Plan ("RMP Locations")
	Property Subject to Transfer to Oakland Base Reuse Authority ("OBRA") by Economic Development Conveyance ("EDC") ("RMP Implementation Area")
	Real Property Outside Oakland Army Base ("OARB")
	Footprint of Former Building or Feature
	OBRA Boundary for Planned Gateway Development Area
	Boundary of Oakland Army Base

- Notes:**
1. All locations are approximate.
  2. Basemap taken from IT Corporation "OARB Site Map", dated 17 February 1999.
  2. Location of Potential Drum Drainage Area from U.S. Army Toxic and Hazardous Materials Agency, "Update of the Initial Installation Assesment of Oakland Army Base", Fig 2-1, 1988.

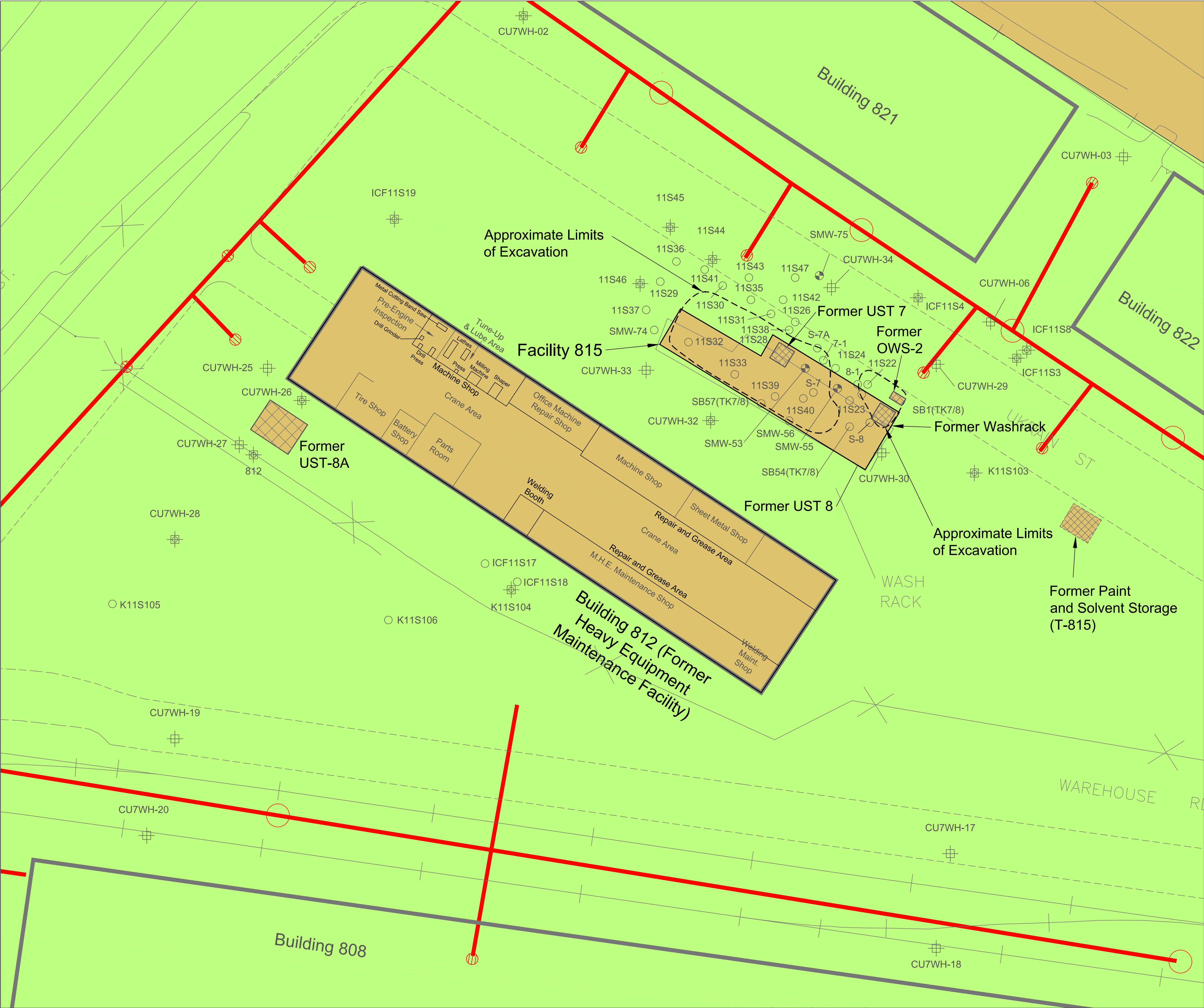


# Erler & Kalinowski, Inc.

Potential Drum Drainage Area  
East of Buildings 805 and 806

Oakland Army Base  
Oakland, CA  
July 2002  
EKI A10063.00  
Figure 4-11

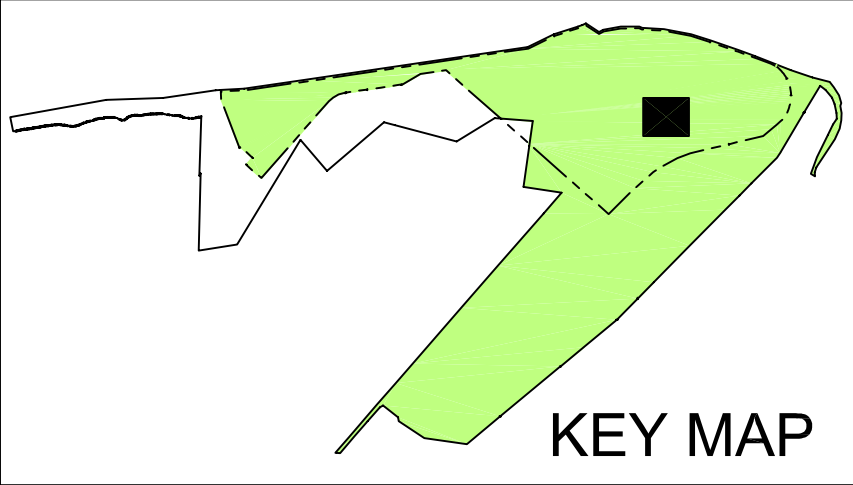




**Explanation:**

- Monitoring Well without Soil Samples
- Monitoring Well with Soil Samples
- Grab Groundwater Sample
- Soil Sample
- Soil and Grab Groundwater Sample
- Strom Drain Catch Basin
- Storm Drain Manhole
- Storm Drain Line
- Former Underground Storage Tank ("UST"), Above Ground Storage Tank ("AST"), Oil / Water Separator ("OWS"), Washrack, Building, or Other Location Addressed by Risk Management Plan ("RMP Locations")
- Property Subject to Transfer to Oakland Base Reuse Authority ("OBRA") by Economic Development Conveyance ("EDC") ("RMP Implementation Area")
- Footprint of Former Building or Feature
- OBRA Boundary for Planned Gateway Development Area
- Boundary of Oakland Army Base

- Notes:**
1. All locations are approximate.
  2. OBRA boundary for Gateway Development based on Port of Oakland map entitled "Oakland Army Base - Approximate Acreages for Traffic Analysis Possible Future Development", dated 21 August 2000.
  3. Basemap taken from IT Corporation "OARB Site Map", dated 17 February 1999.
  4. Former use areas within Building 812 are shown. Uses prior to 1969 are shown in a bolder type; more recent uses are shown in lighter type.



# Erler & Kalinowski, Inc.

Building 812

Oakland Army Base  
Oakland, CA  
July 2002  
EKI A10063.00  
Figure 4-9



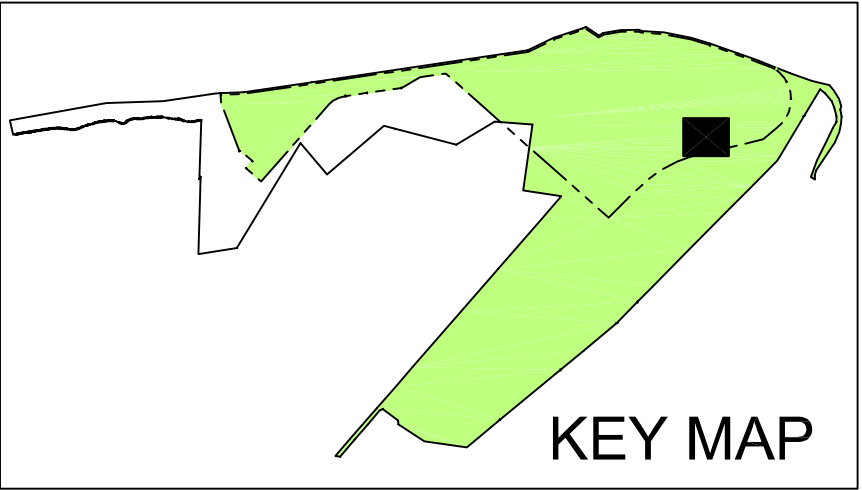


(Approximate Scale in Feet)

**Explanation:**

- Monitoring Well without Soil Samples
- Monitoring Well with Soil Samples
- Grab Groundwater Sample
- Soil Sample
- Soil and Grab Groundwater Sample
- Storm Drain Catch Basin
- Storm Drain Manhole
- Storm Drain Line
- Former Underground Storage Tank ("UST"), Above Ground Storage Tank ("AST"), Oil / Water Separator ("OWS"), Washrack, Building, or Other Location Addressed by Risk Management Plan ("RMP Locations")
- Property Subject to Transfer to Oakland Base Reuse Authority ("OBRA") by Economic Development Conveyance ("EDC") ("RMP Implementation Area")
- Footprint of Former Building or Feature
- OBRA Boundary for Planned Gateway Development Area
- Boundary of Oakland Army Base

- Notes:**
1. All locations are approximate.
  2. OBRA boundary for Gateway Development based on Port of Oakland map entitled "Oakland Army Base - Approximate Acreages for Traffic Analysis Possible Future Development", dated 21 August 2000.
  3. Basemap taken from IT Corporation "OARB Site Map", dated 17 February 1999.

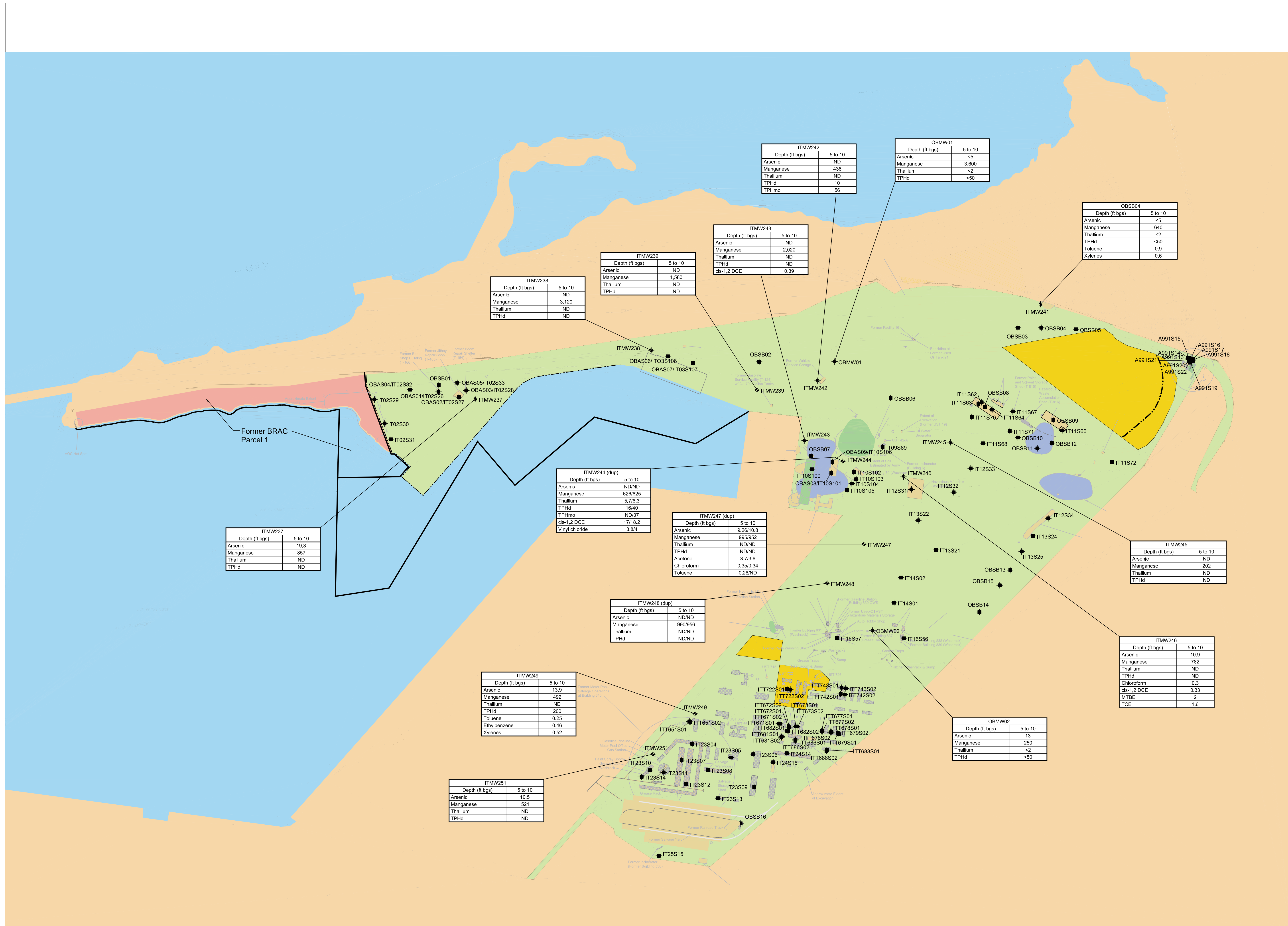


**Erler &  
Kalinowski, Inc.**

Building 823

Oakland Army Base  
Oakland, CA  
July 2002  
EKI A10063.00  
**Figure 4-10**





0

400

800

(Approximate Scale in Feet)

EXPLANATION:

Building or Area Addressed by Remedial Action Plan ("RAP Sites")

Area Impacted by Volatile Organic Compounds ("VOCs") in Groundwater Addressed by RAP (RAP Sites)

Former Underground Storage Tank ("UST"), Above Ground Storage Tank ("AST"), Oil / Water Separator ("OWS"), Washrack, Building, or Other Location Addressed by Risk Management Plan ("RMP Locations")

Base Realignment and Closure ("BRAC") Property Subject to Finding of Suitability for Early Transfer ("FOSSET"), Including Adjacent Submerged Lands, to Oakland Base Reuse Authority ("OBRA") by No-Cost Economic Development Conveyance ("EDC") ("RMP Implementation Area")

BRAC Property with Eventual Finding of Suitability for Transfer to Department of Interior ("DOI") on Behalf of the East Bay Regional Parks District ("EBRPD") by Public Benefit Conveyance (Former BRAC Parcel 1)

U.S. Army Reserve Property

Real Property Outside Oakland Army Base ("OARB")

San Francisco Bay

Footprint of Former Building or Feature

OBRA Boundary for Planned Gateway Development Area

Boundary of Oakland Army Base

Monitoring Well

Grab Groundwater Sample

ITMW247 (dup)

Depth (ft bgs)

5 to 10

Arsenic

9.26/10.6

Manganese

995/952

Thallium

ND/ND

TPHd

ND/ND

Acetone

3.7/3.6

Chloroform

0.35/0.34

Toluene

0.28/ND

Sample Collection Interval, Feet Below Ground Surface ("ft bgs")

Duplicate Sample Analyzed by Separate Laboratories

Not Detected

Chemical Concentration in Micrograms Per Liter ("ug/L")

Chemicals of Concern

Abbreviations:

TPHd

= Total Petroleum Hydrocarbons Quantified as Diesel

TPHmo

= Total Petroleum Hydrocarbons Quantified as Motor Oil

cis-1,2 DCE

= cis-1,2-Dichloroethene

TCE

= Trichloroethene

MTBE

= Methyl Tertiary Butyl Ether

NOTES:

1.

All locations are approximate.

2.

OBRA boundary for Gateway Development based on Port of Oakland map entitled "Oakland Army Base - Approximate Acreages for Traffic Analysis Possible Future Development", dated 21 August 2000.

3.

Basemap taken from IT Corporation "OARB Site Map", dated 17 February 1999.

4.

Only groundwater sampling results from Phase II monitoring wells are shown for selected analytes. See Appendix A for full data set and Table 4-5 for analytical data for grab groundwater samples taken at other indicated locations.

5.

All reported analytical results are indicated in ug/L.

Erler & Kalinowski, Inc.

Army/OBRA Phase II

Groundwater Sampling Locations

Oakland Army Base

Oakland, CA

July 2002

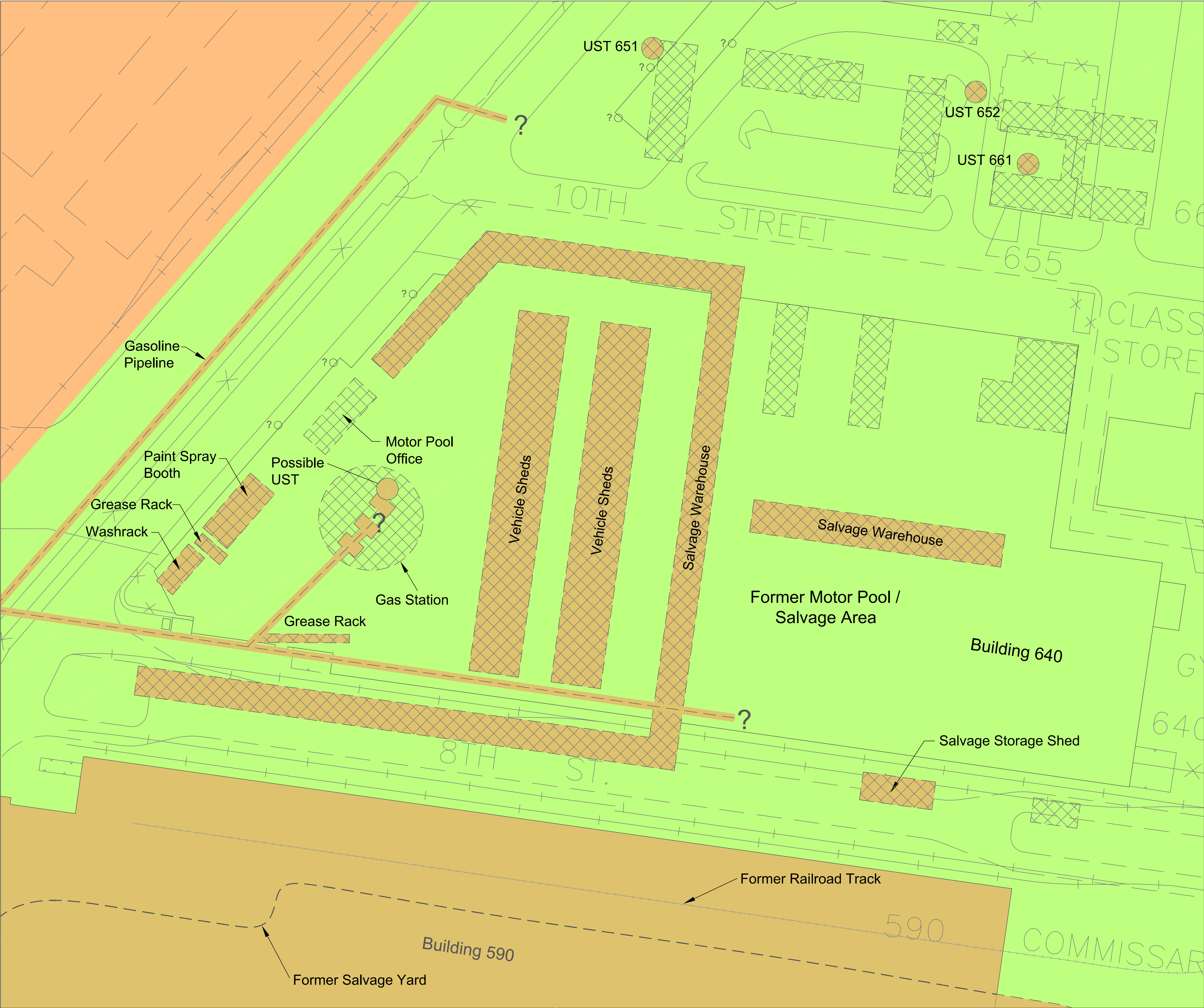
EKI A10063.00

Figure 4-18









Monitoring Well without Soil Samples

Monitoring Well with Soil Samples

Grab Groundwater Sample

Soil Sample

Soil and Grab Groundwater Sample

Former Underground Storage Tank ("UST"), Above Ground Storage Tank ("AST"), Oil / Water Separator ("OWS"), Washrack, Building, or Other Location Addressed by Risk Management Plan ("RMP Locations")

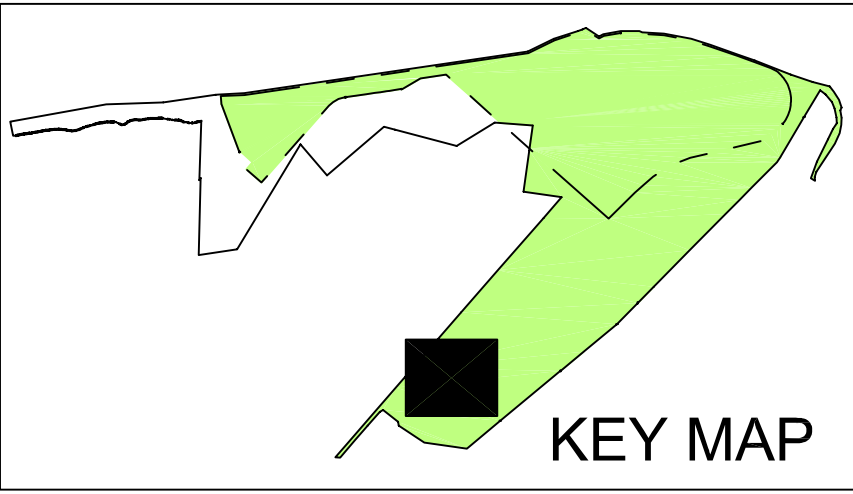
Property Subject to Transfer to Oakland Base Reuse Authority ("OBRA") by Economic Development Conveyance ("EDC") ("RMP Implementation Area")

Real Property Outside Oakland Army Base ("OARB")

Footprint of Former Building or Feature

Boundary of Oakland Army Base

- Notes:**
1. All locations are approximate.
  2. OBRA boundary for Gateway Development based on Port of Oakland map entitled "Oakland Army Base - Approximate Acreages for Traffic Analysis Possible Future Development", dated 21 August 2000.
  3. Basemap taken from IT Corporation "OARB Site Map", dated 17 February 1999.
  4. Former Buildings on this figure based on "Post Map, Camp John T. Knight, Oakland Branch of San Francisco Port of Embarkation", dated 28 May 1943, completed 3 July 1943, Oakland Army Base Records.



# Erler & Kalinowski, Inc.

## Former Motor Pool and Salvage Operations at Building 640

Oakland Army Base  
Oakland, CA  
July 2002  
EKI A10063.00  
Figure 4-12



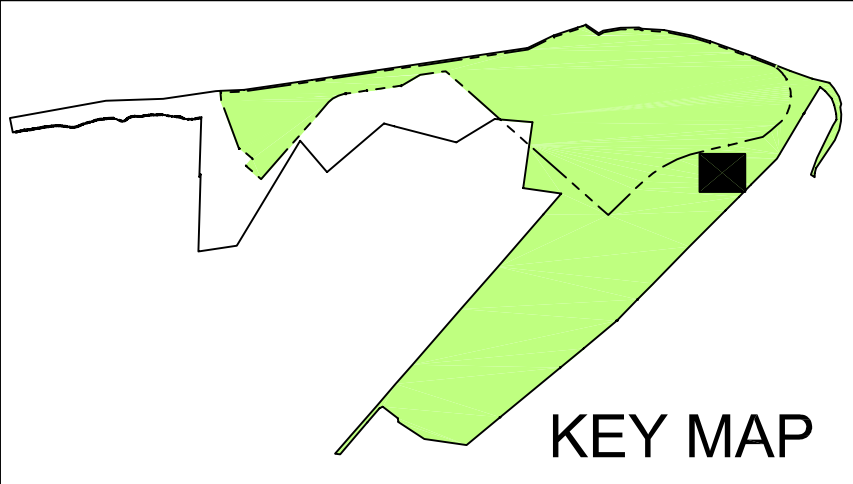


(Approximate Scale in Feet)

**Explanation:**

- Monitoring Well without Soil Samples
- Monitoring Well with Soil Samples
- Grab Groundwater Sample
- Soil Sample
- Soil and Grab Groundwater Sample
- Area Impacted by Volatile Organic Compounds ("VOCs") in Groundwater Addressed by Remedial Action Plan ("RAP Sites")
- Former Underground Storage Tank ("UST"), Above Ground Storage Tank ("AST"), Oil / Water Separator ("OWS"), Washrack, Building, or Other Location Addressed by Risk Management Plan ("RMP Locations")
- Property Subject to Transfer to Oakland Base Reuse Authority ("OBRA") by Economic Development Conveyance ("EDC") ("RMP Implementation Area")
- Real Property Outside Oakland Army Base ("OARB")
- Footprint of Former Building or Feature
- OBRA Boundary for Planned Gateway Development Area
- Boundary of Oakland Army Base

- Notes:**
1. All locations are approximate.
  2. Basemap taken from IT Corporation "OARB Site Map", dated 17 February 1999.

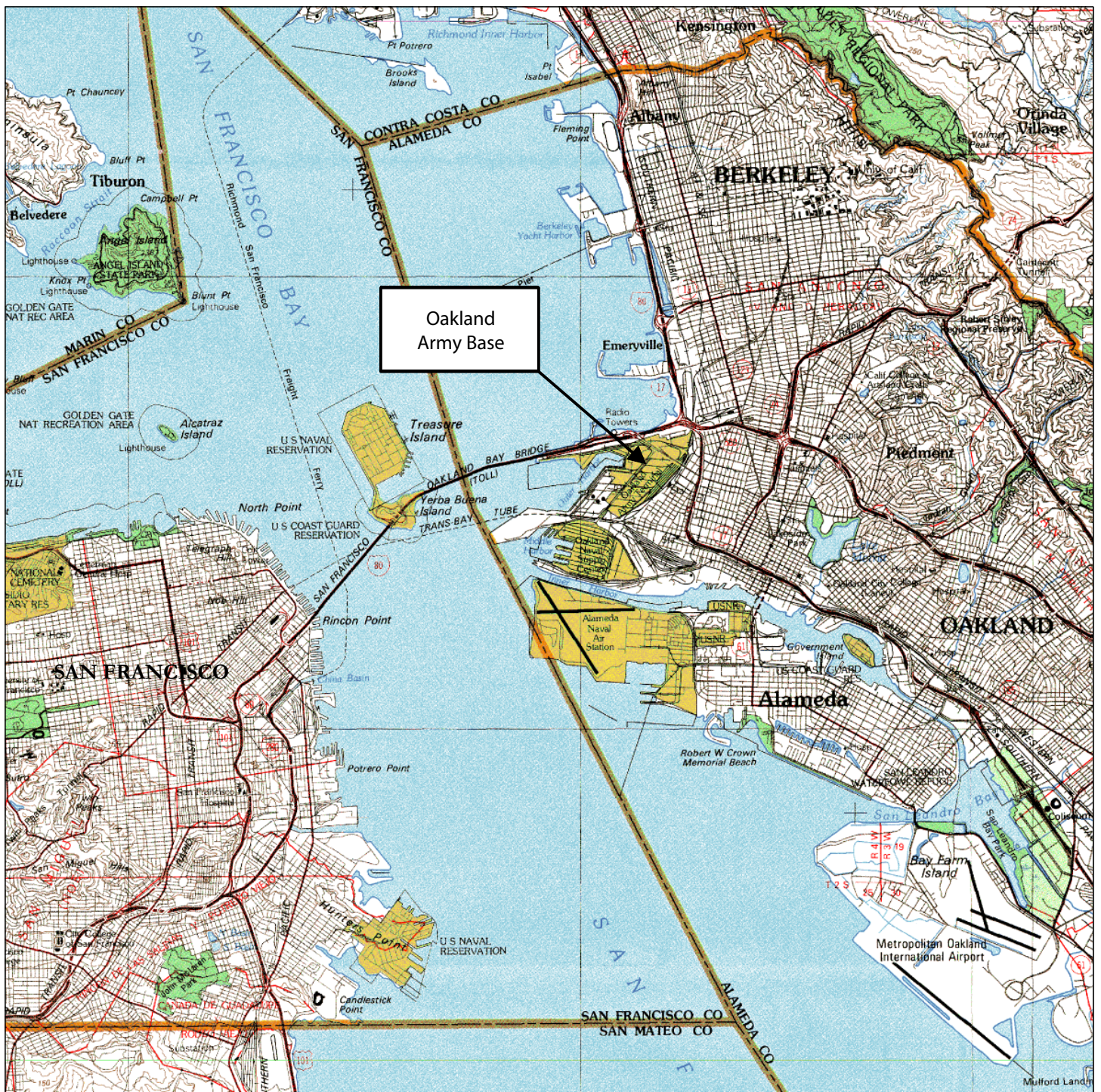


**Erler &  
Kalinowski, Inc.**

VOCs in Groundwater at the  
Eastern End of Building 807

Oakland Army Base  
Oakland, CA  
July 2002  
EKI A10063.00  
**Figure 4-3**





Reference: U.S.G.S. 1:100,000 Series Topographic Map, San Francisco Quadrangle, California, 1978.

#### Notes:

- 1 All locations are approximate.

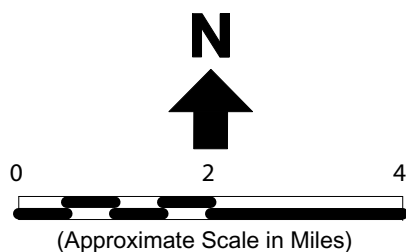
**Erler &  
Kalinowski, Inc.**

Vicinity Map

Oakland Army Base  
Oakland, CA

July 2002  
EKI A10063.00

Figure 1-1



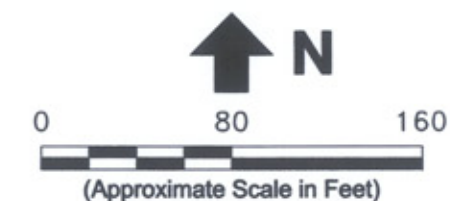
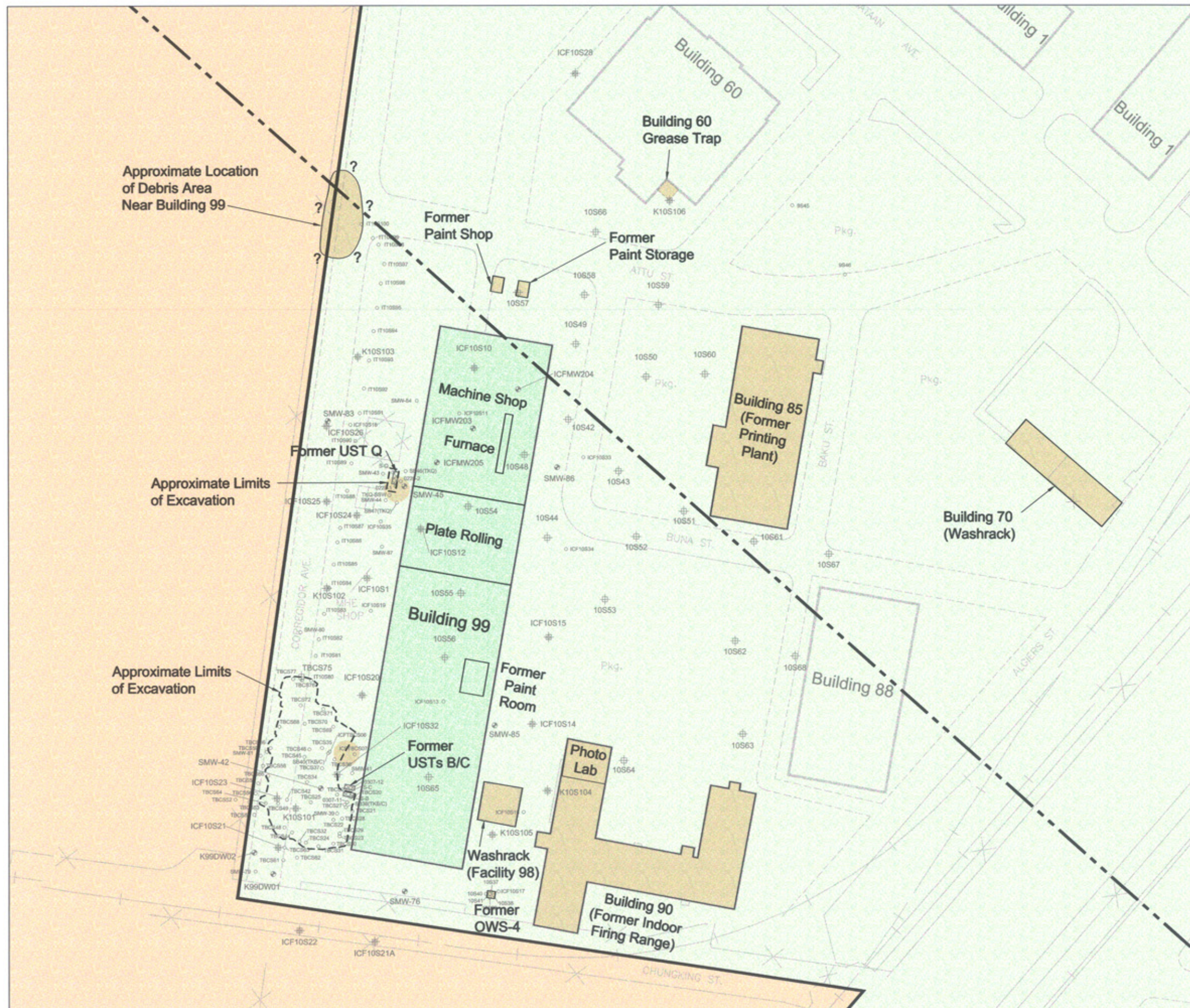










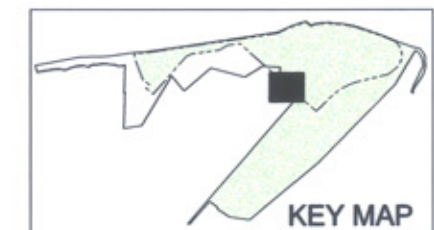


**Explanation:**

- Monitoring Well without Soil Samples
- Monitoring Well with Soil Samples
- Grab Groundwater Sample
- Soil Sample
- Soil and Grab Groundwater Sample
- Building or Area Addressed by Remedial Action Plan ("RAP Sites")
- Former Underground Storage Tank ("UST"), Above Ground Storage Tank ("AST"), Oil / Water Separator ("OWS"), Washrack, Building, or Other Location Addressed by Risk Management Plan ("RMP Locations")
- Property Subject to Transfer to Oakland Base Reuse Authority ("OBRA") by Economic Development Conveyance ("EDC") ("RMP Implementation Area")
- Real Property Outside Oakland Army Base ("OARB")
- Footprint of Former Building or Feature
- OBRA Boundary for Planned Gateway Development Area
- Boundary of Oakland Army Base

**Notes:**

1. All locations are approximate.
2. OBRA boundary for Gateway Development based on Port of Oakland map entitled "Oakland Army Base - Approximate Acreages for Traffic Analysis Possible Future Development", dated 21 August 2000.
3. Basemap taken from IT Corporation "OARB Site Map", dated 17 February 1999.

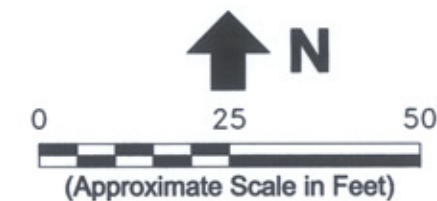
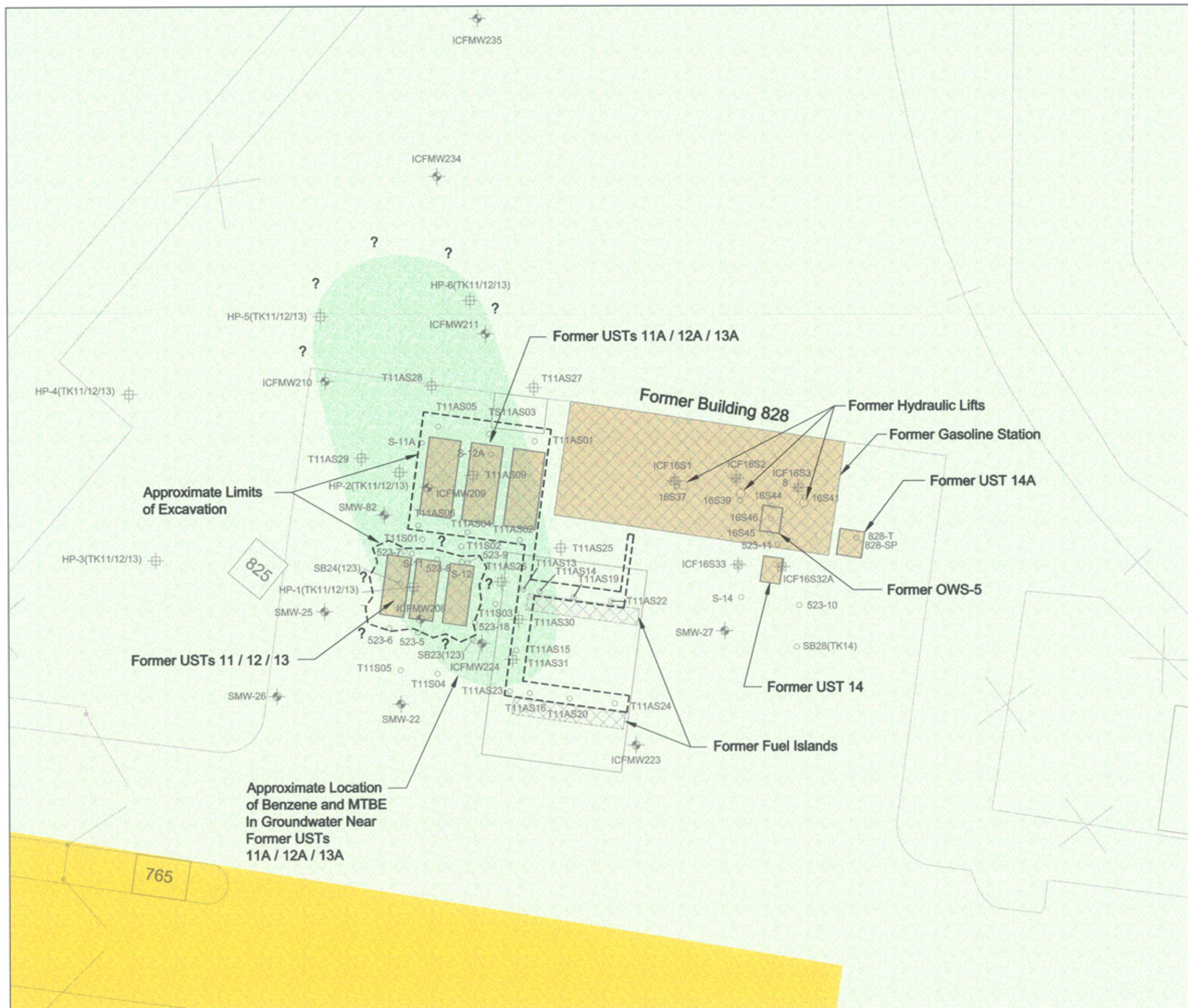


**Erler & Kalinowski, Inc.**

**Building 85, Building 99, and Debris Area Near Building 99**

Oakland Army Base  
Oakland, CA  
September 2002  
EKI A10063.00  
**Figure 4-8**





#### Explanation:

- Monitoring Well without Soil Samples
- Monitoring Well with Soil Samples
- Grab Groundwater Sample
- Soil Sample
- Soil and Grab Groundwater Sample
- Building or Area Addressed by Remedial Action Plan ("RAP Sites")
- Former Underground Storage Tank ("UST"), Above Ground Storage Tank ("AST"), Oil / Water Separator ("OWS"), Washrack, Building, or Other Location Addressed by Risk Management Plan ("RMP Locations")
- Property Subject to Transfer to Oakland Base Reuse Authority ("OBRA") by Economic Development Conveyance ("EDC") ("RMP Implementation Area")
- U.S. Army Reserve Parcel
- Footprint of Former Building or Feature
- OBRA Boundary for Planned Gateway Development Area
- Boundary of Oakland Army Base

#### Notes:

1. All locations are approximate.
2. OBRA boundary for Gateway Development based on Port of Oakland map entitled "Oakland Army Base - Approximate Acreages for Traffic Analysis Possible Future Development", dated 21 August 2000.
3. Basemap taken from IT Corporation "OARB Site Map", dated 17 February 1999.

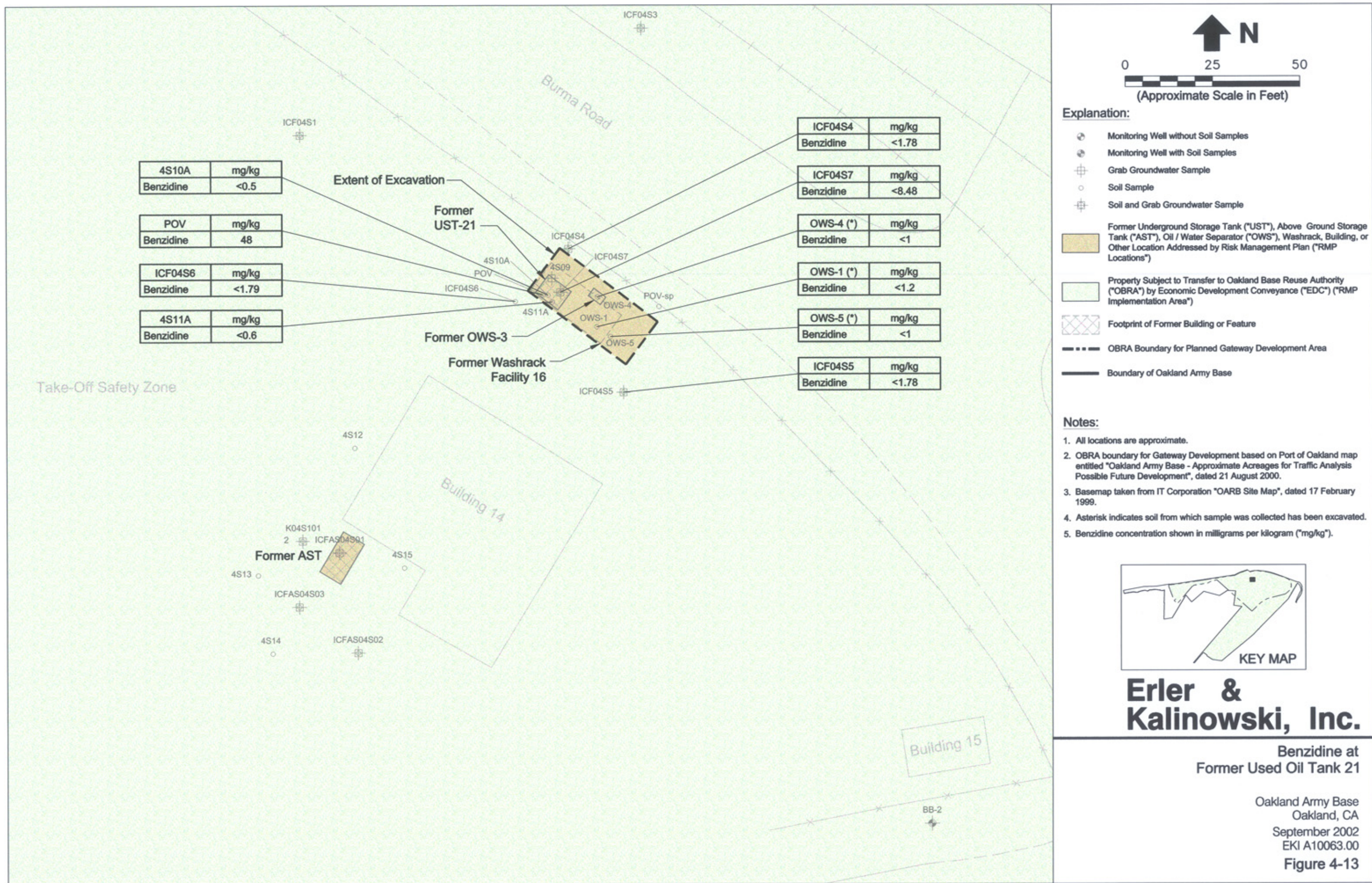


**Erler &  
Kalinowski, Inc.**

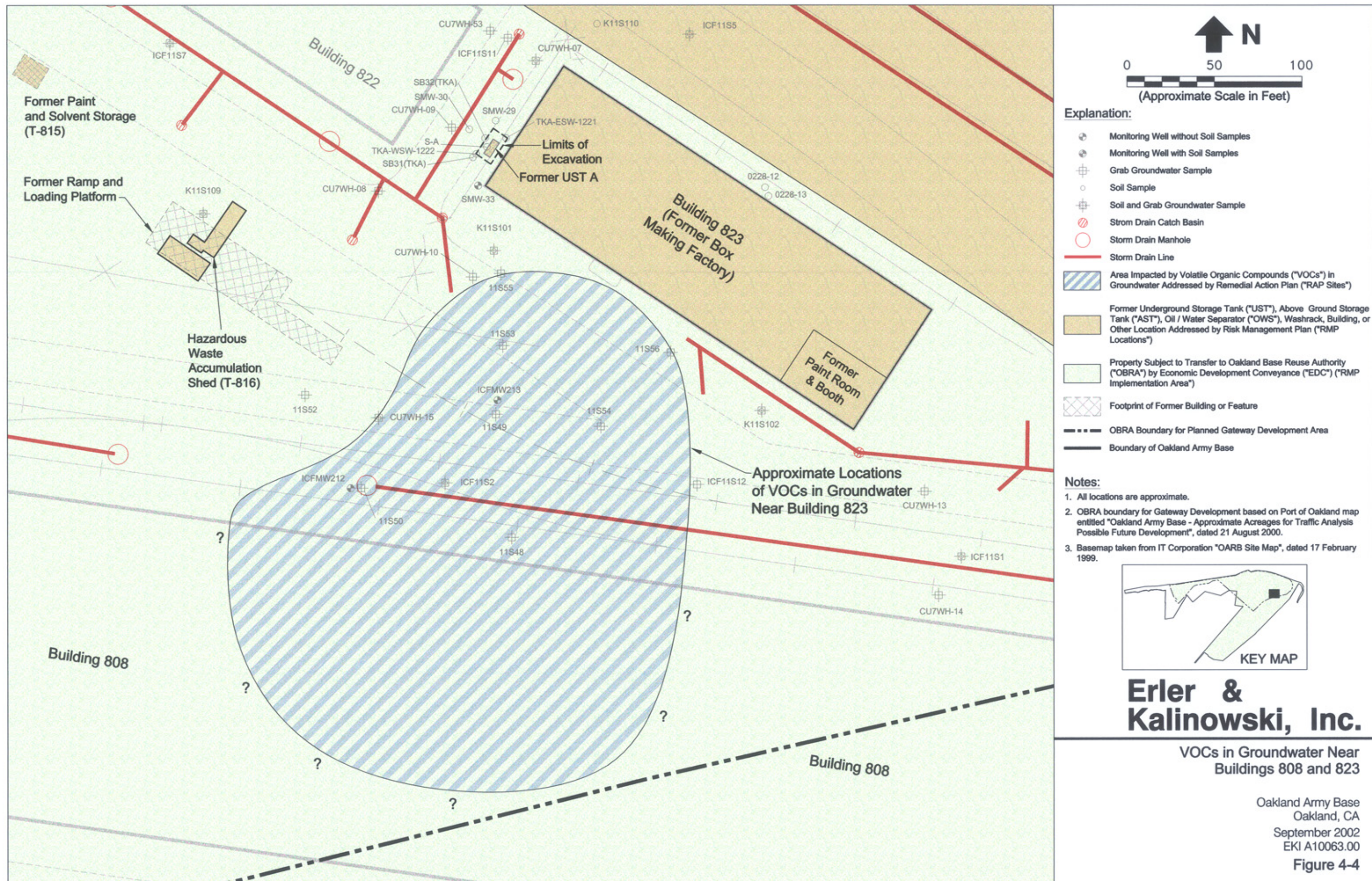
**Benzene and MTBE in Groundwater  
Near Former USTs 11A / 12A / 13A**

Oakland Army Base  
Oakland, CA  
September 2002  
EKI A10063.00  
**Figure 4-6**

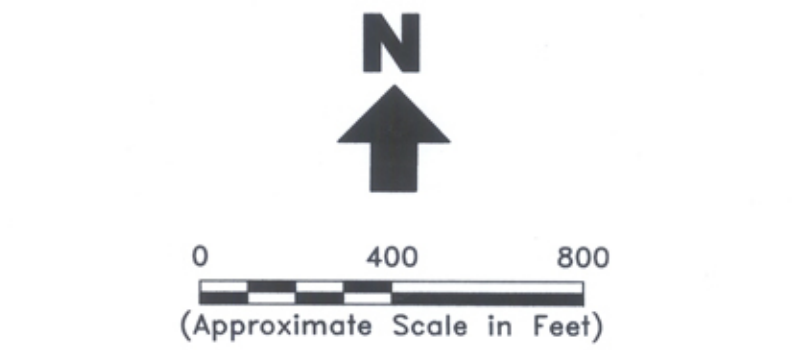
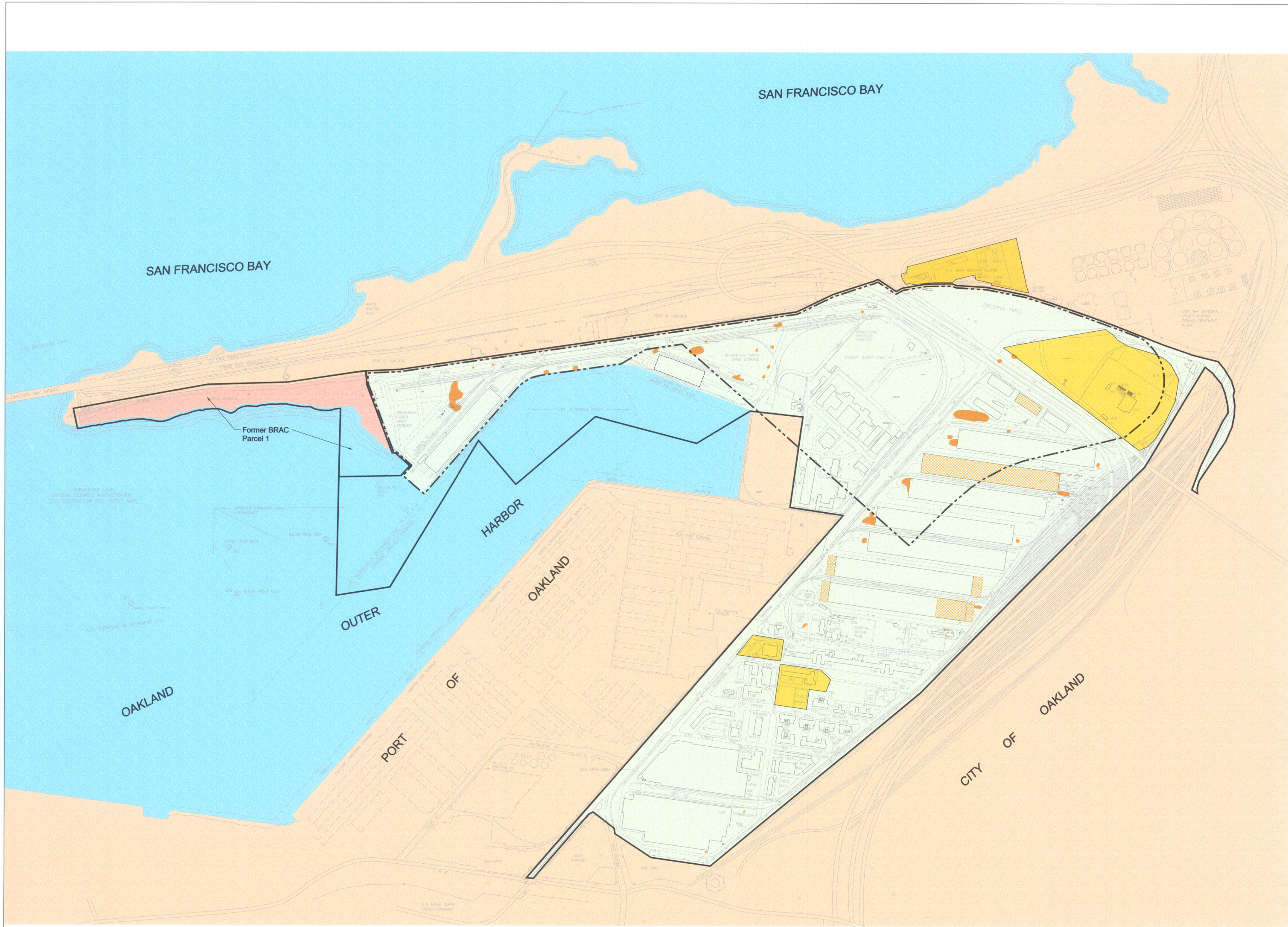












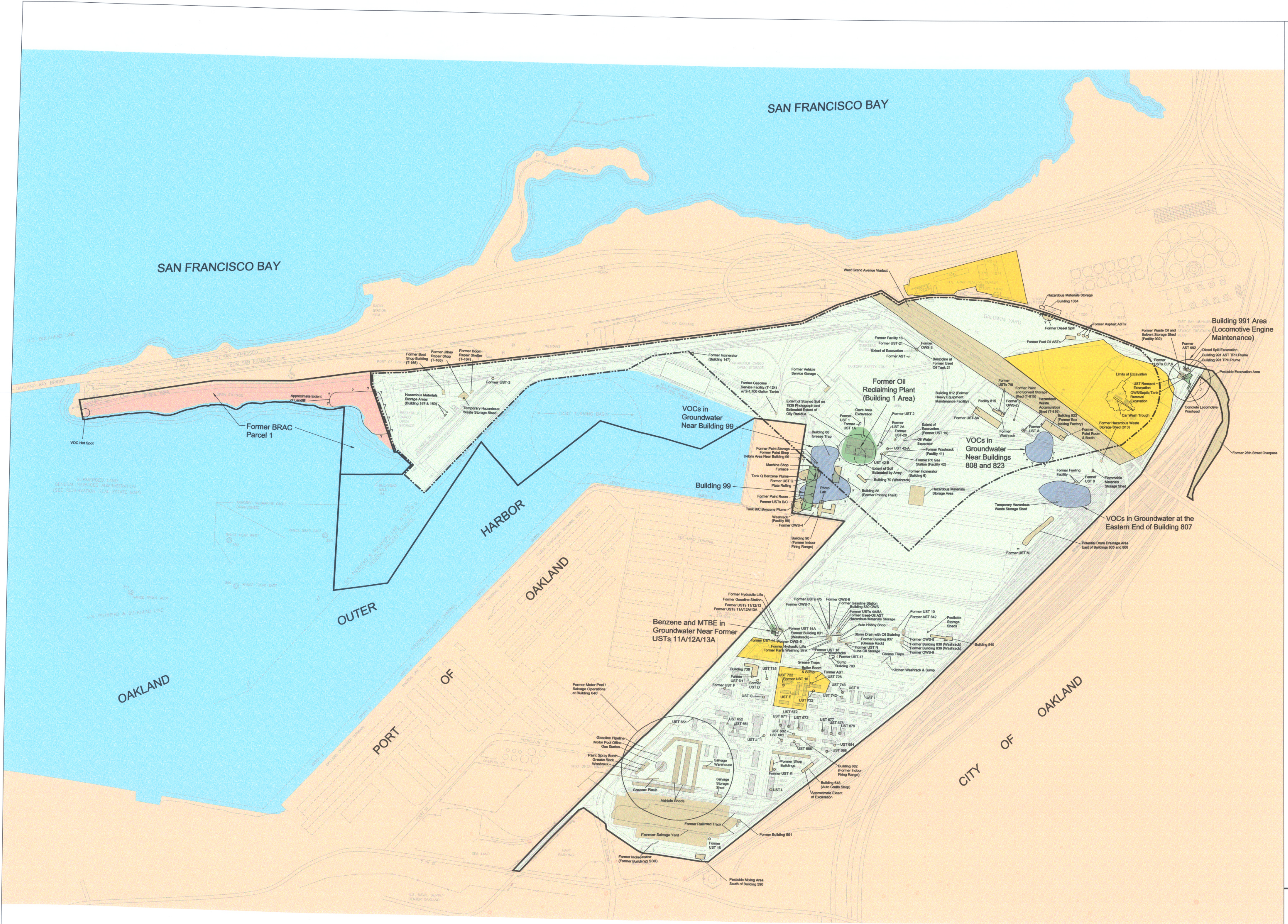
- EXPLANATION:**
- Area Where Chemical Surface Spill is Documented by Army to Have Occurred
  - Area Identified by Army Where Chemical Surface Spill May Have Occurred
  - Base Realignment and Closure ("BRAC") Property Subject to Finding of Suitability for Early Transfer ("FOSET"), Including Adjacent Submerged Lands, to Oakland Base Reuse Authority ("OBRA") by No-Cost Economic Development Conveyance ("EDC") ("RMP Implementation Area")
  - BRAC Property with Eventual Finding of Suitability for Transfer to Department of Interior ("DOI") on Behalf of the East Bay Regional Parks District ("EBRPD") by Public Benefit Conveyance (Former BRAC Parcel 1)
  - U.S. Army Reserve Property
  - Real Property Outside Oakland Army Base ("OARB")
  - San Francisco Bay
  - OBRA Boundary for Planned Gateway Development Area
  - Boundary of Oakland Army Base

- NOTES:**
- All locations are approximate.
  - OBRA boundary for Gateway Development based on Port of Oakland map entitled "Oakland Army Base - Approximate Acreages for Traffic Analysis Possible Future Development", dated 21 August 2000.
  - Basemap taken from IT Corporation "OARB Site Map", dated 17 February 1999.
  - Documented and potential chemical surface spills compiled from Kleinfelder, Inc. "Final Report, Basewide Preliminary Assessment/Site Inspection (PASI)", Oakland Army Base, Oakland, California", dated 24 February 1998.

**Erler & Kalinowski, Inc.**  
Documented and Historical  
Chemical Spills and Stains

Oakland Army Base  
Oakland, CA  
September 2002  
EKI A10063.00  
Figure 4-14





- EXPLANATION:**
- Building or Area Addressed by Remedial Action Plan ("RAP Sites")
  - Area Impacted by Volatile Organic Compounds ("VOCs") in Groundwater Addressed by RAP (RAP Sites)
  - Former Underground Storage Tank ("UST"), Above Ground Storage Tank ("AST"), Oil / Water Separator ("OWS"), Washrack, Building, or Other Location Addressed by Risk Management Plan ("RMP Locations")
  - Base Realignment and Closure ("BRAC") Property Subject to Finding of Suitability for Early Transfer ("FOSET"), including Adjacent Submerged Lands, to Oakland Base Reuse Authority ("OBRA") by No-Cost Economic Development Conveyance ("EDC") (RMP Implementation Area)
  - BRAC Property with Eventual Finding of Suitability for Transfer to Department of Interior ("DOI") on Behalf of the East Bay Regional Parks District ("EBRPD") by Public Benefit Conveyance (Former BRAC Parcel 1)
  - U.S. Army Reserve Property
  - Real Property Outside Oakland Army Base ("OARB")
  - San Francisco Bay
  - Footprint of Former Building or Feature
  - OBRA Boundary for Planned Gateway Development Area
  - Boundary of Oakland Army Base

- NOTES:**
- All locations are approximate.
  - OBRA boundary for Gateway Development based on Port of Oakland map entitled "Oakland Army Base - Approximate Acres for Traffic Analysis Possible Future Development", dated 21 August 2000.
  - Basemap taken from IT Corporation "OARB Site Map", dated 17 February 1999.
  - Basewide environmental issues included within RMP Implementation Area are not shown on this figure. These issues include Storm and Sanitary Drain Lines, Railroad Tracks, Former Polychlorinated Biphenyl-Containing Equipment, Surface Spills and Stains, and Lead in Soil. See RMP in Appendix E to RAP.

**Erler & Kalinowski, Inc.**

Identified Locations of Environmental Concern