



Storm Drain Line Greater Than 6 Inches in Diameter That Has Been Inspected by Army

Storm Drain Line Greater Than 6 Inches in Diameter That Has Not Been Inspected by Army

with Commingled Off-Site Flow That Has Been Inspected by Army

Damaged Storm Drain Line with Suspected Contaminated Sediment Releases to Soil or

Storm Drain Line with Suspected Internal Sediment

Contamination

Storm Drain Outfall and Identifier

Storm Drain Location Observed by Army to Contain Immscible Petroleum Hydrocarbons

Storm Drain Location Identified by Army to Have Nearby Petroleum Hydrocarbon Contamination in Soil

Storm Drain Location Identified by Army to Have Nearby Volatile Organic Compound ("VOC")

Contamination in Groundwater Storm Drain Location Identified by Army to Have Nearby Petroleum Hydrocarbon Contamination in

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")

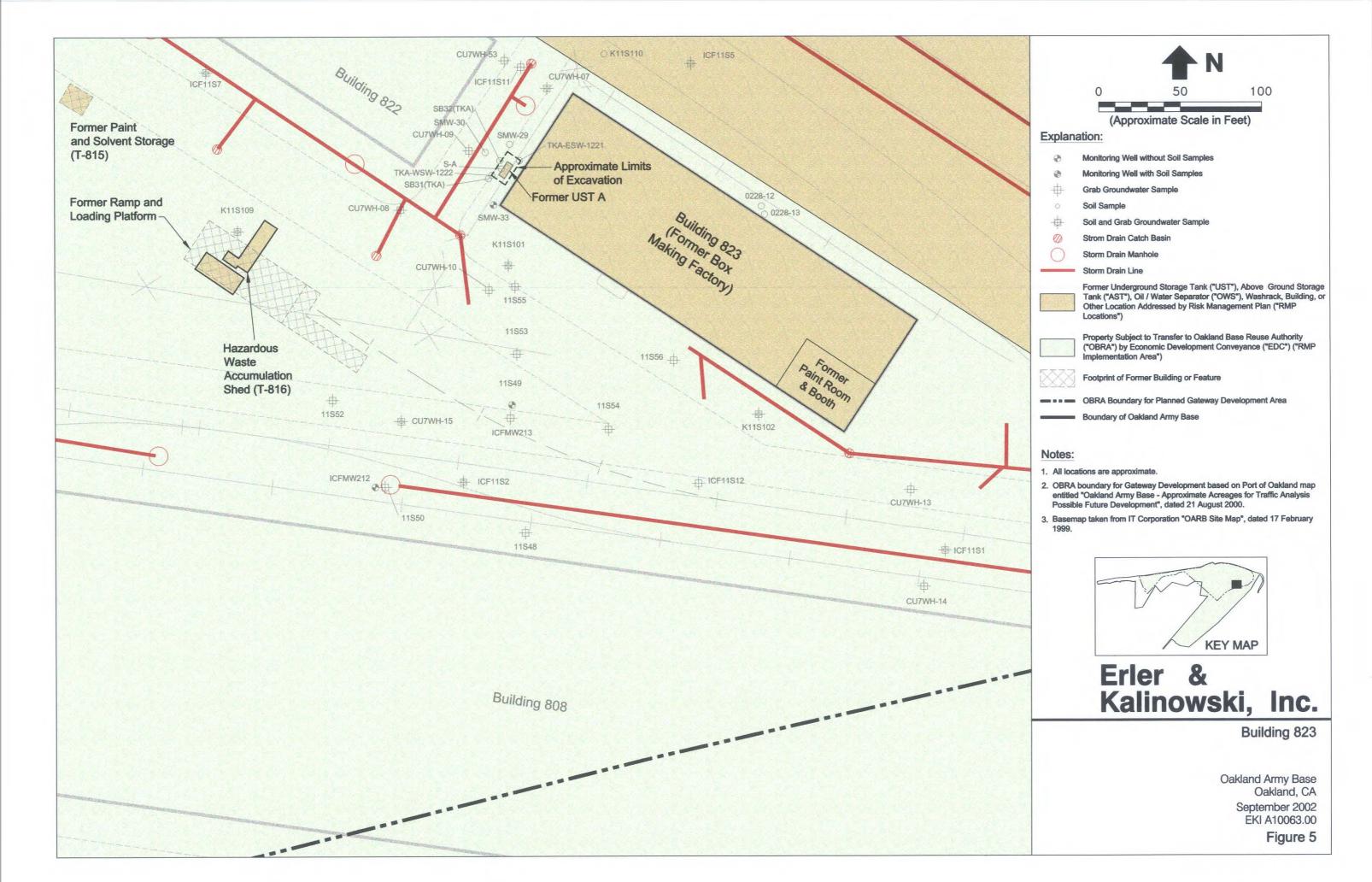
OBRA Boundary for Planned Gateway Development Area

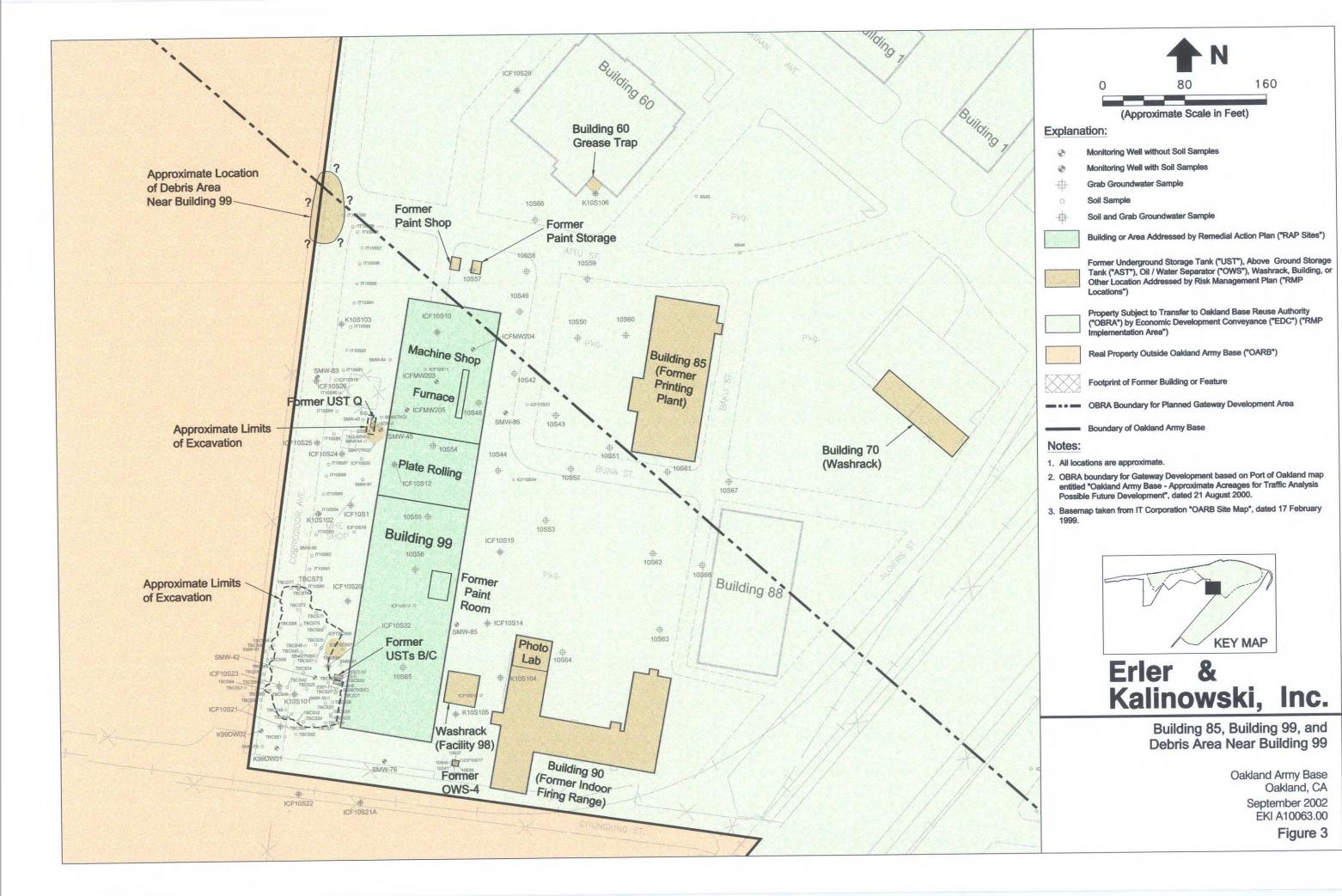
Boundary of Oakland Army Base

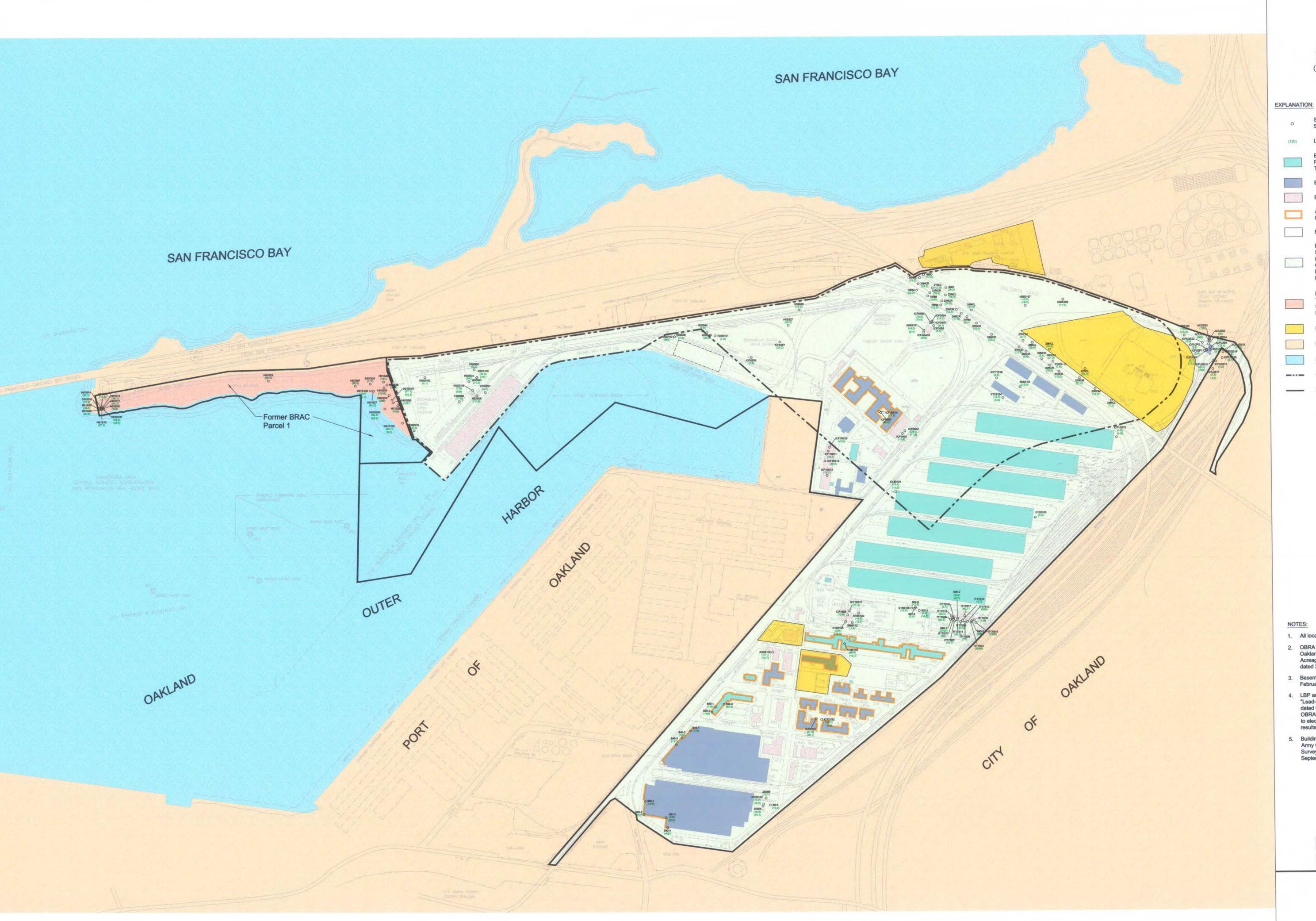
- 1. All locations are approximate.
- OBRA boundary for Gateway Development based on Port of Oakland map entitled "Oakland Army Base Approximate Acreages for Traffic Analysis Possible Future Development", dated 21 August 2000.
- Basemap taken from IT Corporation "OARB Site Map", dated 17 February 1999.
- Storm drain layout from Earth Tech "Final Report: Oakland Army Base Utility Study, Utilities Systems Review", December 2000.
- Storm drain inspection results and indicated contamination compiled from Harding ESE "Draft Final Remedial Investigation Report for Operable Unit 4, Oakland Army Base, Oakland, California", 23 July 2001; IT Corporation "Site Map, Oakland Army Base, Oakland, California", 12 September 2000; and ICF Kaiser Engineers, Inc. "Pipeline Investigation Report for the Storm Drain and Sanitary Sewer Pipeline Systems, Oakland Army Base, Oakland, California", 29 September 1999.

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Potential Environmental Issues Associated with Storm Drains









- Shallow Soil Sample Location Defined as Ground Surface ("0") to Two Feet Below Ground Surface ("bgs")
  - Lead Concentration in mg/kg
  - Building Identified to Probably Contain Lead Based Paint ("LBP") Based on Age of Construction but not

  - Building Tested Positive for LBP by Army

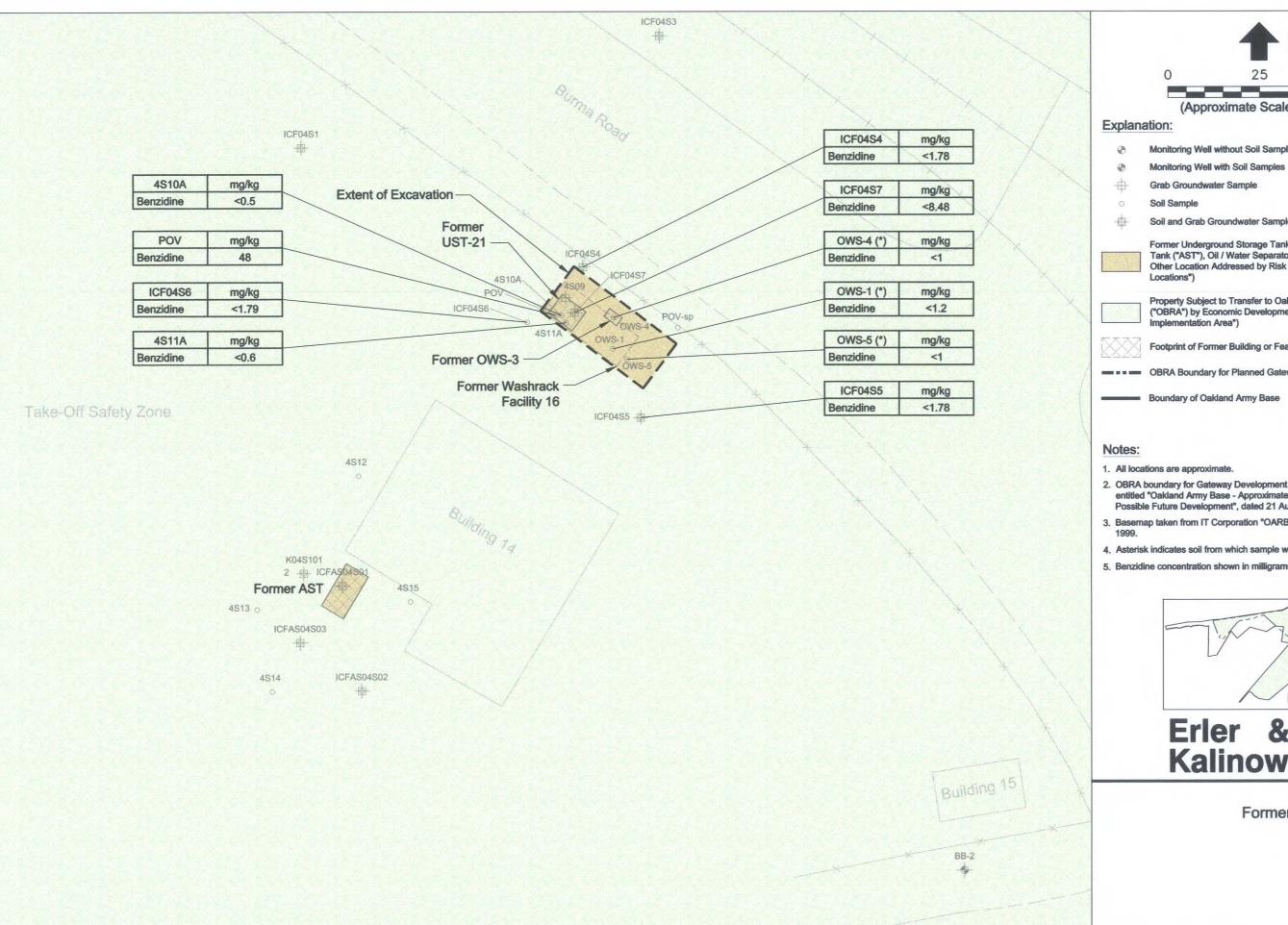
Building Tested Negative for LBP by Army

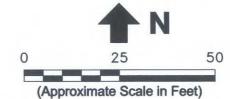
- Area Suspected to Have Lead in Soil (Further Characterization Needed)
- No Information on Building
- Base Realignment and Closure ("BRAC") Property Subject to Finding of Suitability for Early Transfer ("FOSET"), Including Adjacent Submerged Lands, to Oakland Base Reuse Authority ("OBRA") by No-Cost Economic Development Conveyance ("EDC") ("RMP Implementation Area")
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- 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

- 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.
- 4. 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
- 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.

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Lead Based Paint on Buildings

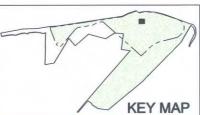




- Monitoring Well without Soil Samples
- **Grab Groundwater Sample**
- Soil and Grab Groundwater Sample



- 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
- 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
- 4. Asterisk indicates soil from which sample was collected has been excavated.
- 5. Benzidine concentration shown in milligrams per kilogram ("mg/kg").

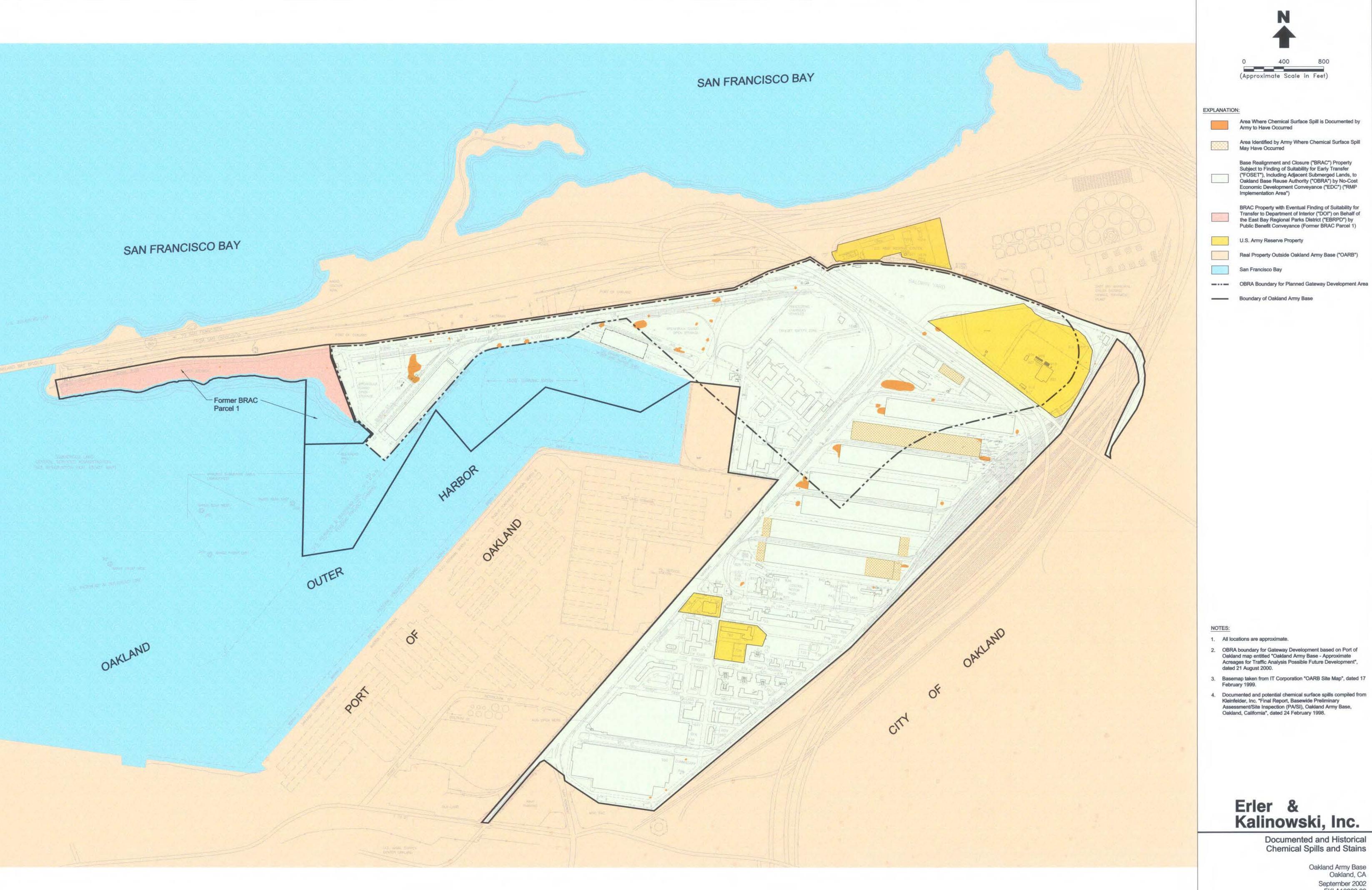


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Benzidine at Former Used Oil Tank 21

> Oakland Army Base Oakland, CA September 2002 EKI A10063.00

> > Figure 8





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")

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U.S. Army Reserve Property

San Francisco Bay

Boundary of Oakland Army Base

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- 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 (PA/SI), Oakland Army Base, Oakland, California", dated 24 February 1998.

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Documented and Historical Chemical Spills and Stains



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

### Notes:

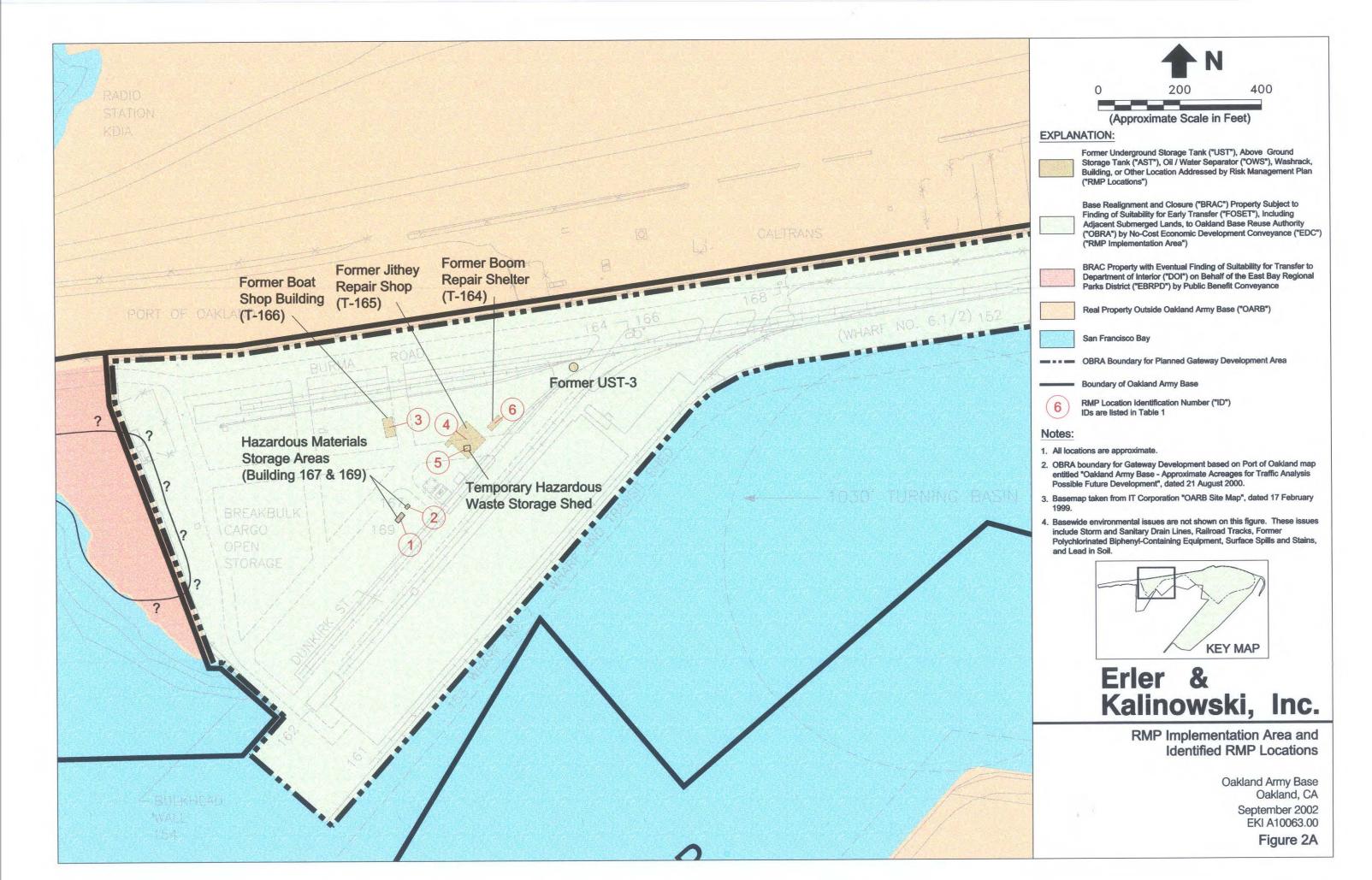
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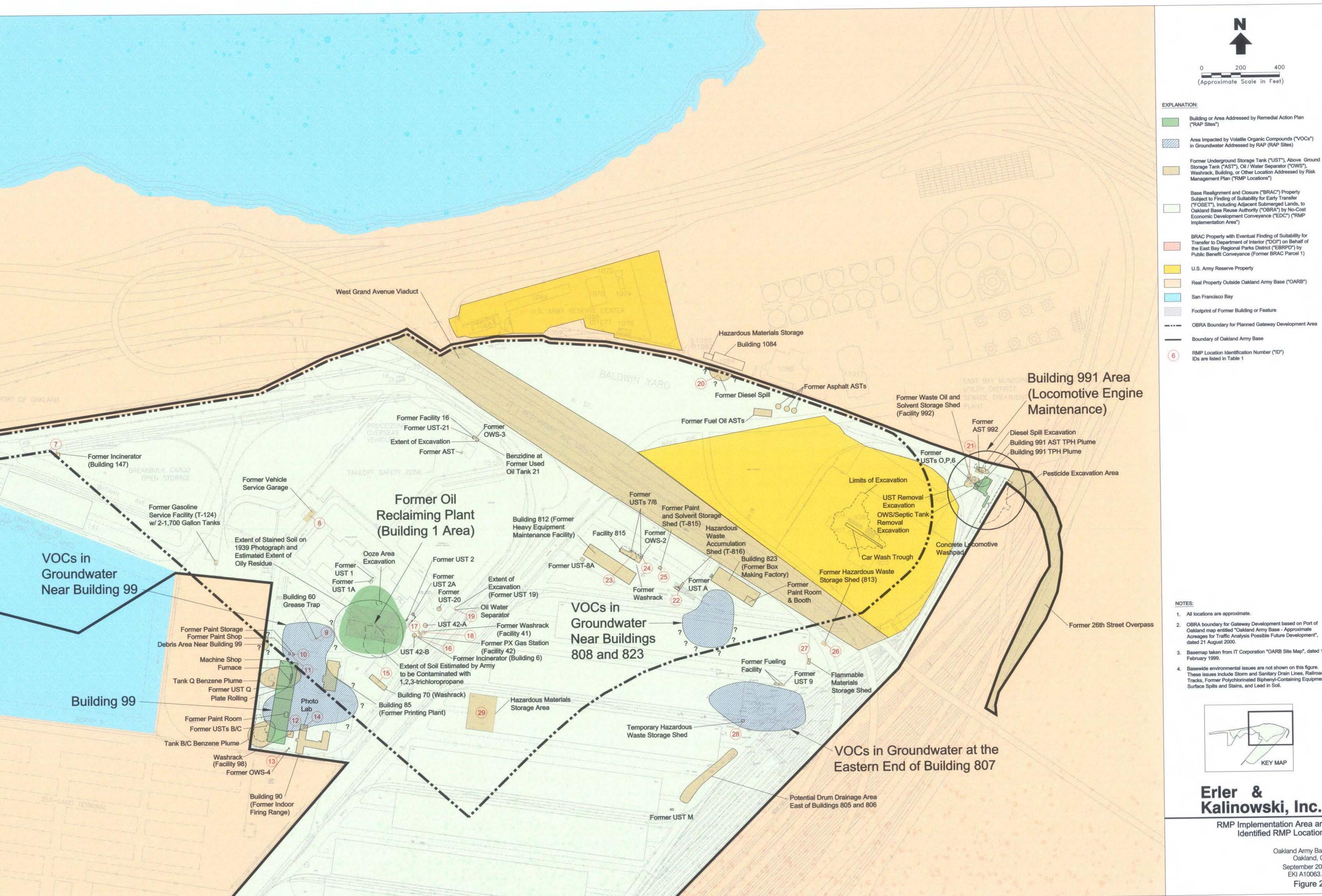
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Vicinity Map

0 2 4

(Approximate Scale in Miles)







Building or Area Addressed by Remedial Action Plan

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

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")

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U.S. Army Reserve Property

Real Property Outside Oakland Army Base ("OARB")

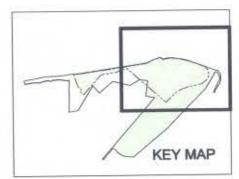
Footprint of Former Building or Feature

OBRA Boundary for Planned Gateway Development Area

Boundary of Oakland Army Base

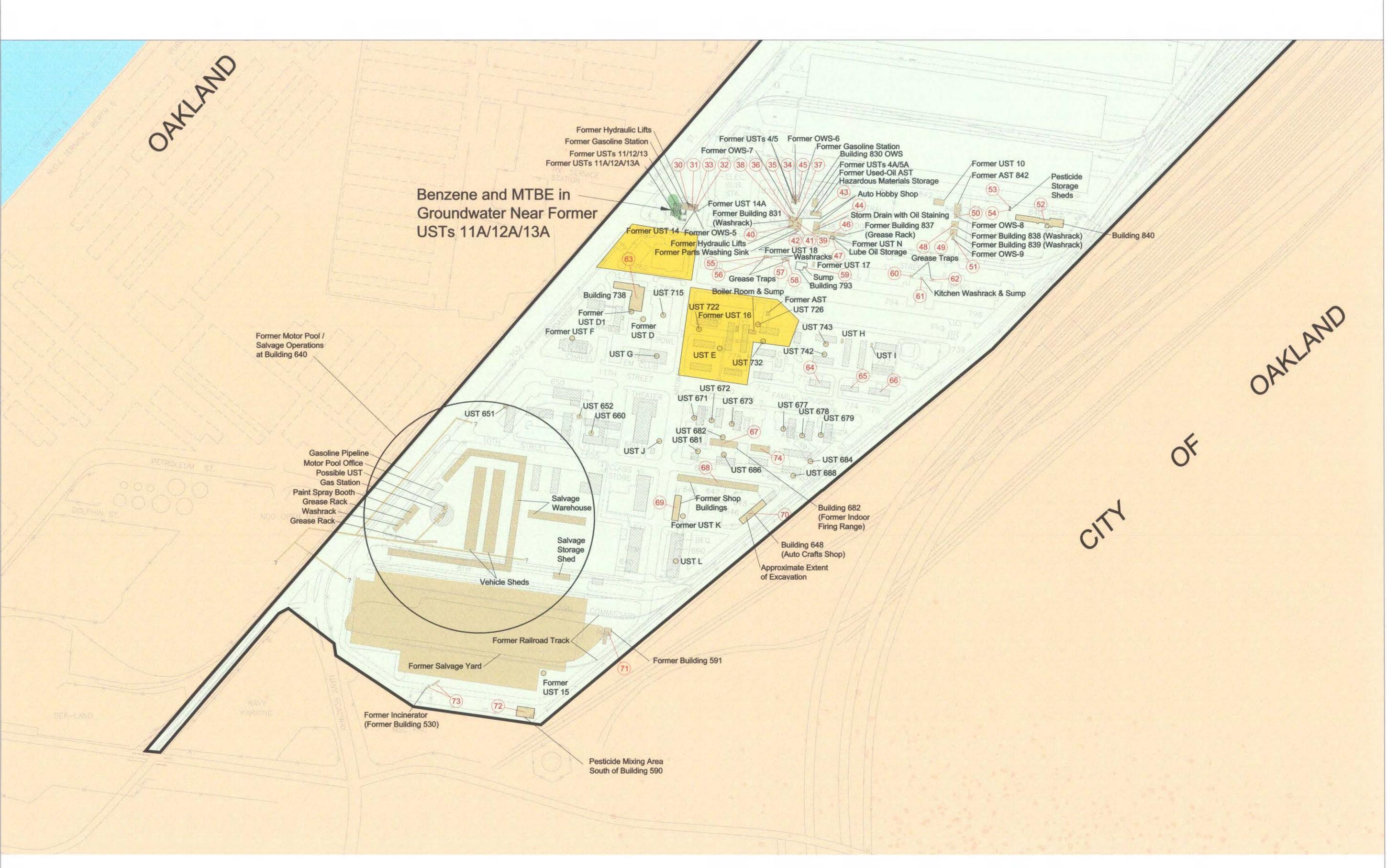
RMP Location Identification Number ("ID") IDs are listed in Table 1

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- 3. Basemap taken from IT Corporation "OARB Site Map", dated 17
- Basewide environmental issues 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.



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RMP Implementation Area and Identified RMP Locations





### EXPLANATION:

Building or Area Addressed by Remedial Action Plan

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

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")

Management Plan ("RMP Locations")

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U.S. Army Reserve Property

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San Francisco Bay

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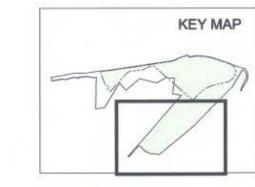
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Boundary of Oakland Army Base

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RMP Implementation Area and Identified RMP Locations