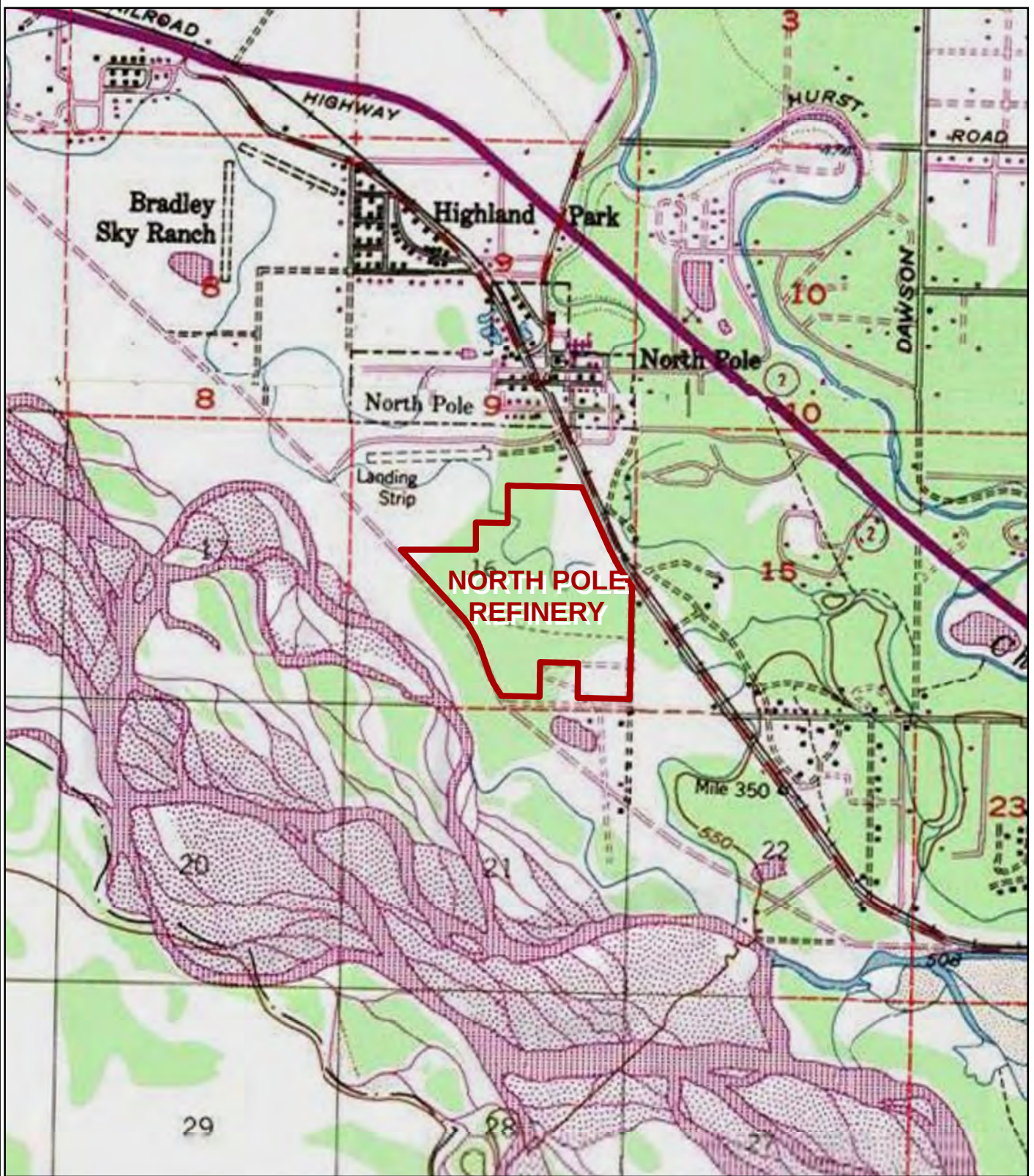
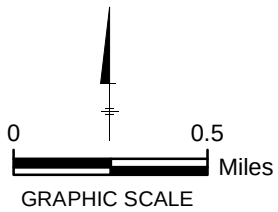




LEGEND:

 FHRA PROPERTY BOUNDARY



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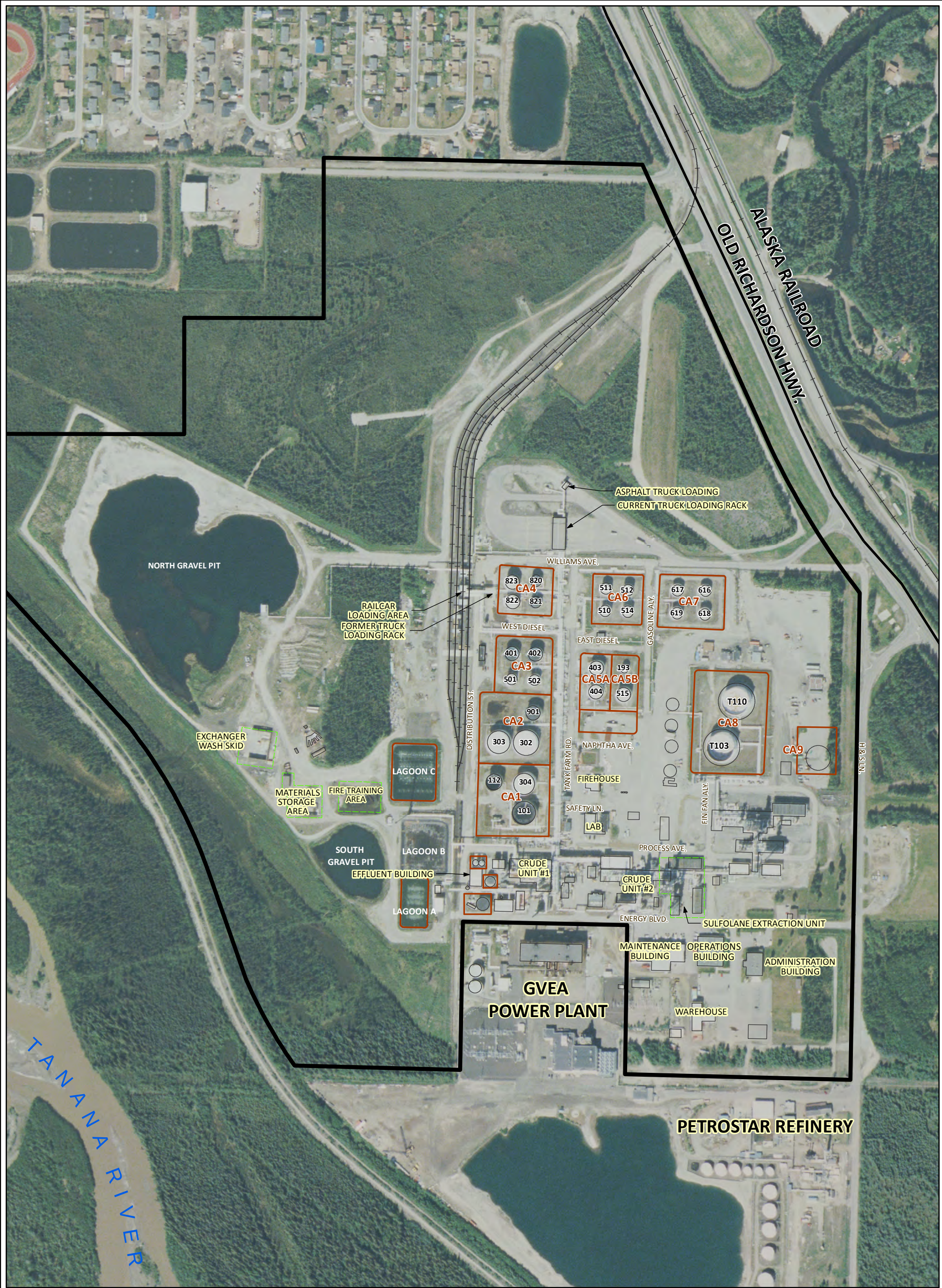
2013 OFFSITE SITE CHARACTERIZATION WORK PLAN

SITE LOCATION



**FIGURE
1-1**

CITY: SF DIV/GRP: ENV/IM DB: K ERNST LD: G FRANCE PIC: PM: TM: TR:
Project: Project #180081981 0006 00000



Legend

- Bermed Containment Areas (CA)
- Approximate Area
- FHRA Property Boundary

Notes:

Image Date June 9, 2007

0 400 800

SCALE IN FEET

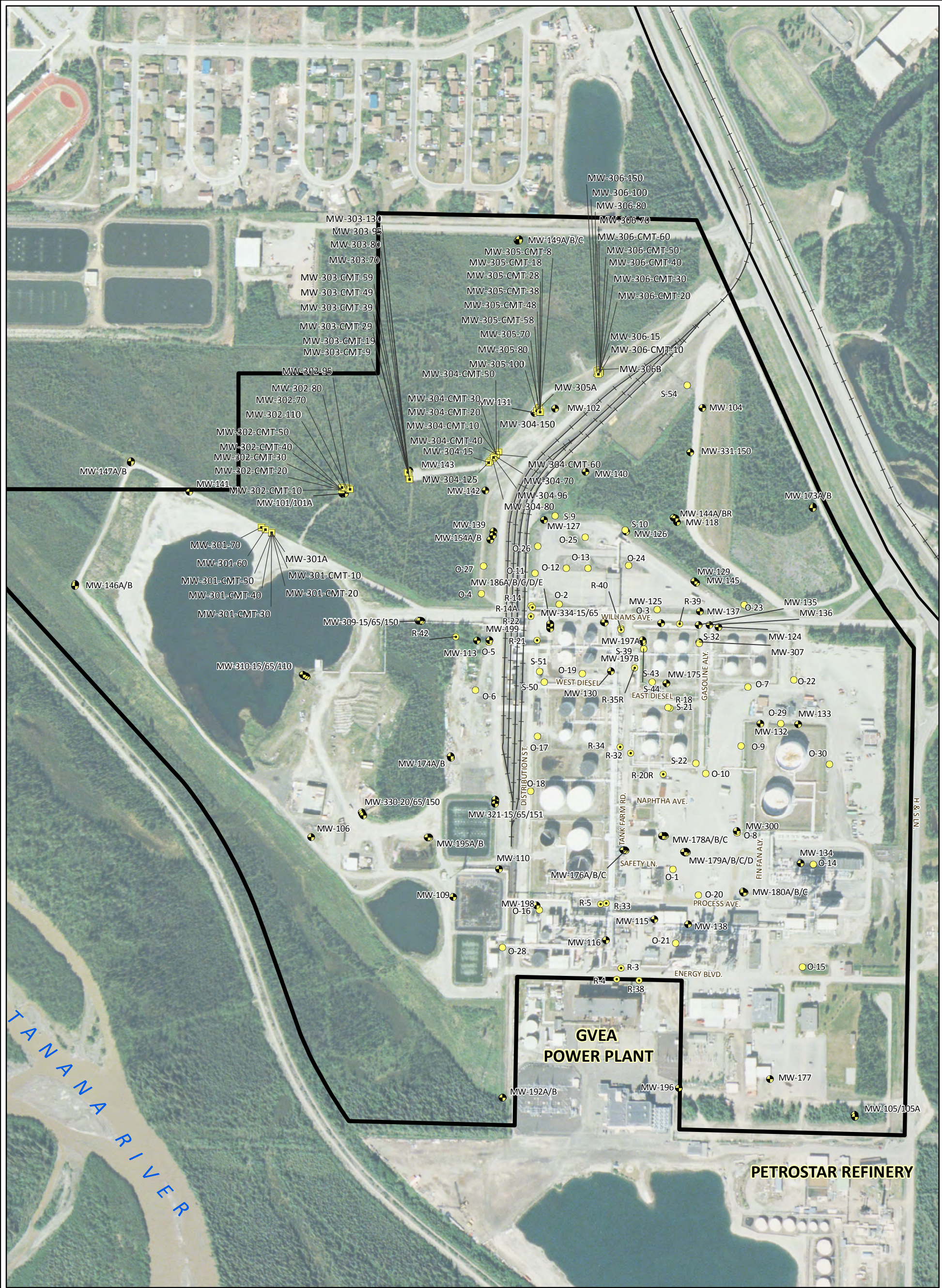
FLINT HILLS RESOURCES ALASKA, LLC
NORTH POLE REFINERY, NORTH POLE, ALASKA
2013 OFFSITE SITE CHARACTERIZATION WORK PLAN

SITE FEATURES

ARCADIS

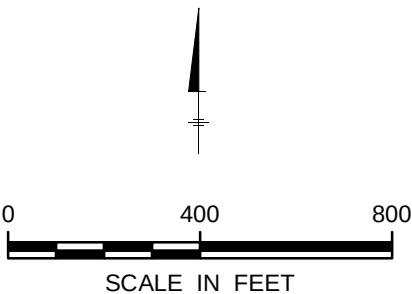
FIGURE

1-2



- Legend**
- Monitoring Well
 - Observation Well
 - Vertical Profile Transect Well
 - Recovery Well
 - FHRA Property Boundary

Notes:
Image Date: June 9, 2007

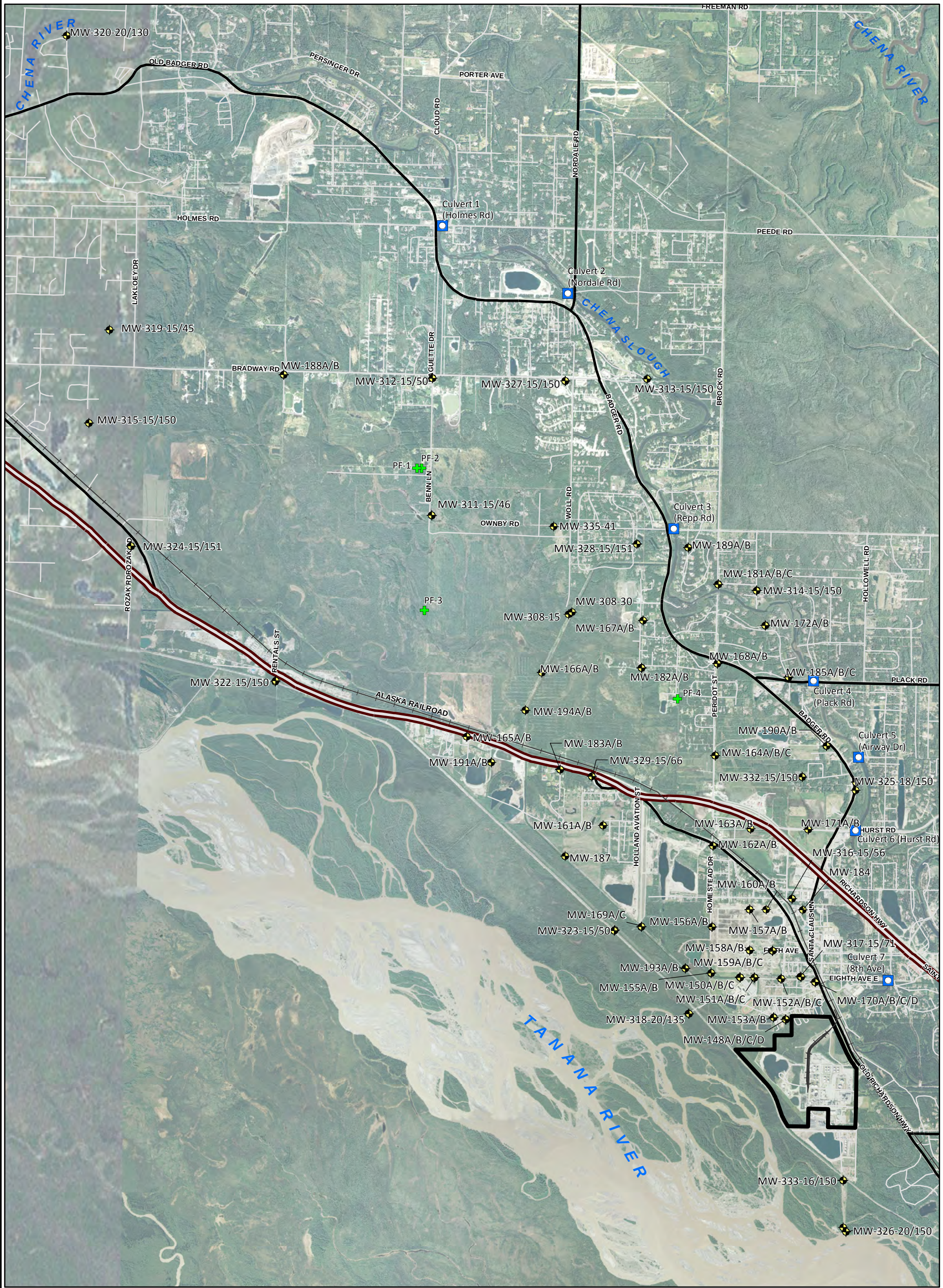


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SITE PLAN - ONSITE



FIGURE
1-3



Legend:

	Monitoring Well		Highway
	Permafrost Boring		Major Road
	Culvert		Local Road
	FHR Property Boundary		Rail Line

Notes:

Image Date: June 9, 2007

0 3,000 6,000 Feet

GRAPHIC SCALE

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SITE PLAN - OFFSITE

ARCADIS

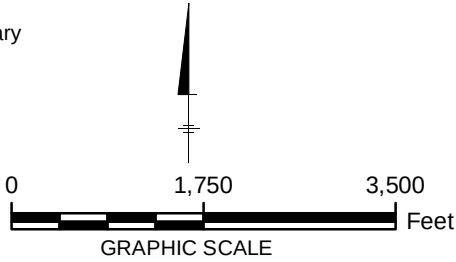
FIGURE 1-4



- Legend:
- Private Wells with Access
 - Zone where sulfolane has been detected
 - Monitoring location with written access agreement in place
 - Monitoring location where access agreement is sought
 - Monitoring location with verbal access agreement in place

- FHRA Property Boundary
- RAIL LINE

Note:
Image Date June 9, 2007



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2013 OFFSITE SITE CHARACTERIZATION WORK PLAN

DEEP RESIDENTIAL
MONITORING LOCATIONS

ARCADIS

FIGURE
5-1

FIGURE 6-1