

Tank 35

API Separator and Tanks

South Refinery Location Map (with ROD Areas of Concern)

Areas addressed under the UAO:

Soil Removal Excavated to Greater than 2 Feet for Visual Confirmation

Base Aerial: 1980



Areas Addressed Under the UAO for “visual contamination” within the Excavation Near Pothole #2 and SAOC 5-1

FIGURE 21



Photograph - "Visual contamination" around Buried Pipe being Excavated North of Coke Pond

FIGURE
22

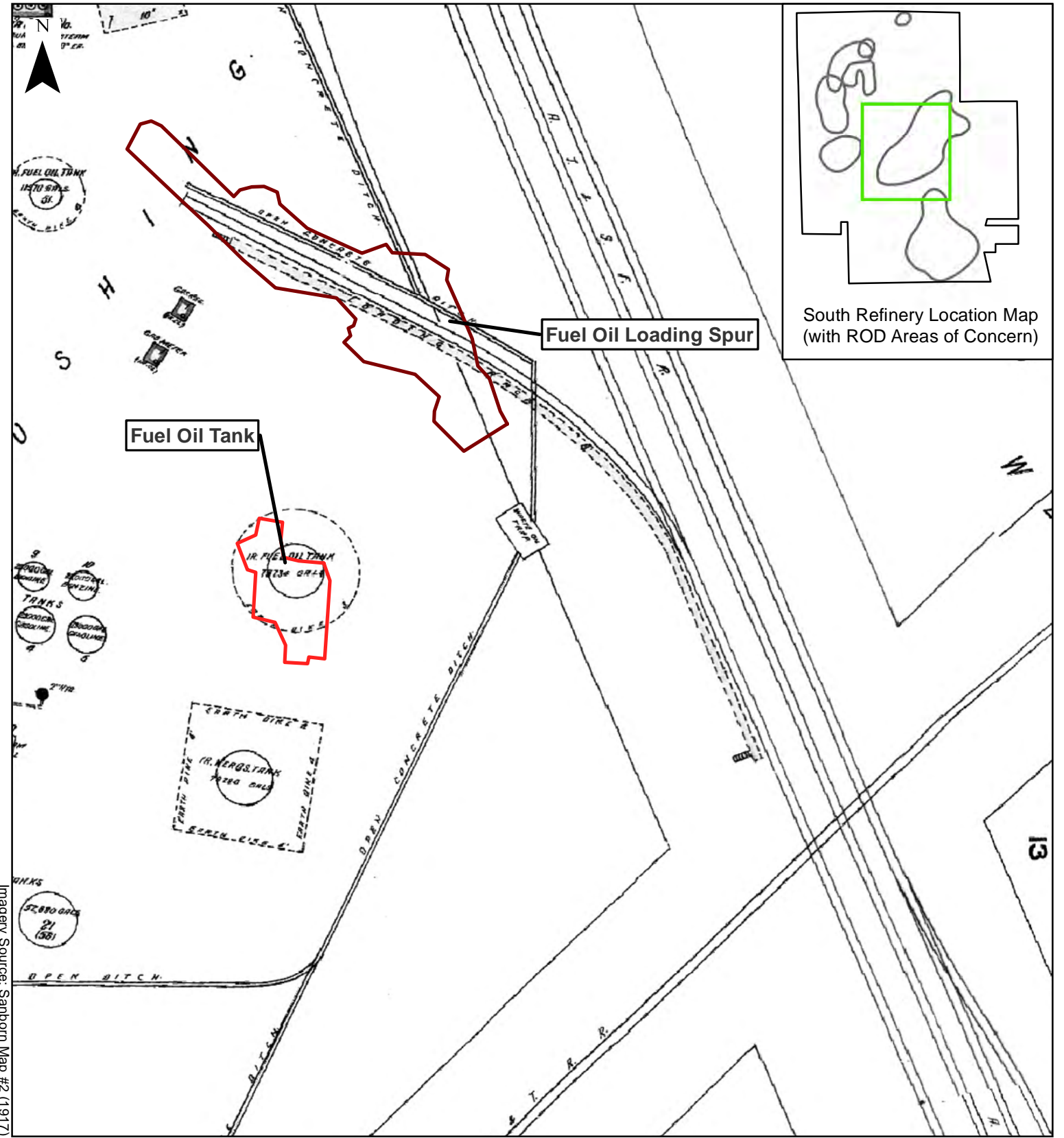


Photograph - "Visual contamination" Around Buried Pipe North of Coke Pond

FIGURE
23



Photograph - Heavy Petroleum Product Leaking from Buried Pipe



Areas addressed under the UAO:

- Soil Removal Excavated to Greater than 2 Feet for Visual Confirmation
- Soil Removal Excavated to Minimum Depth of 24 Inches

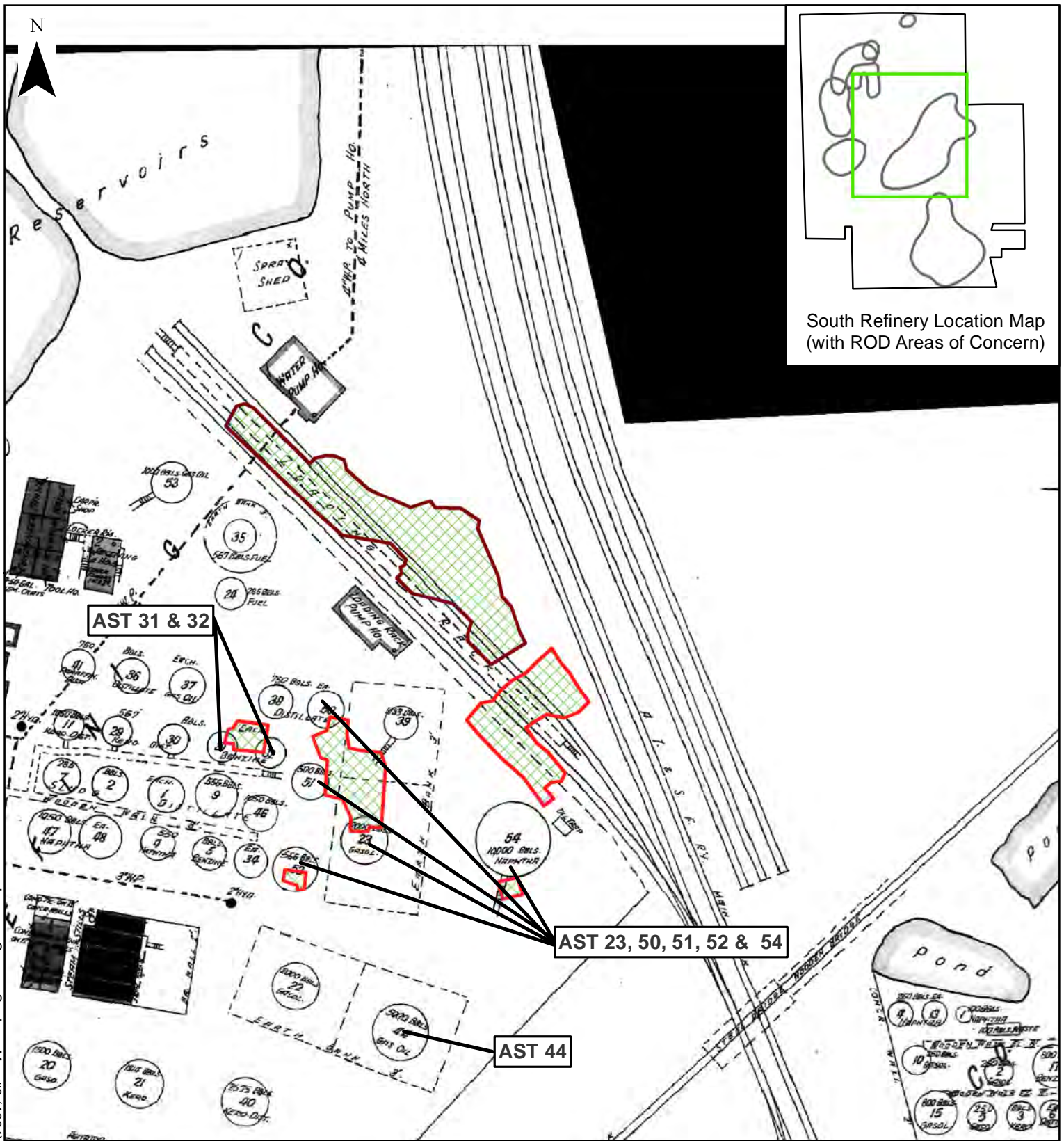
Sanborn Map: 1917



Areas Addressed Under the UAO
within SAOC 2-12 and 2-14

FIGURE
25

Imagery Source: Sanborn Map #2 (1917)



Areas addressed under the UAO:

- Soil Removal Excavated to Greater than 2 Feet for Visual Confirmation
- Soil Removal Excavated to Minimum Depth of 24 Inches

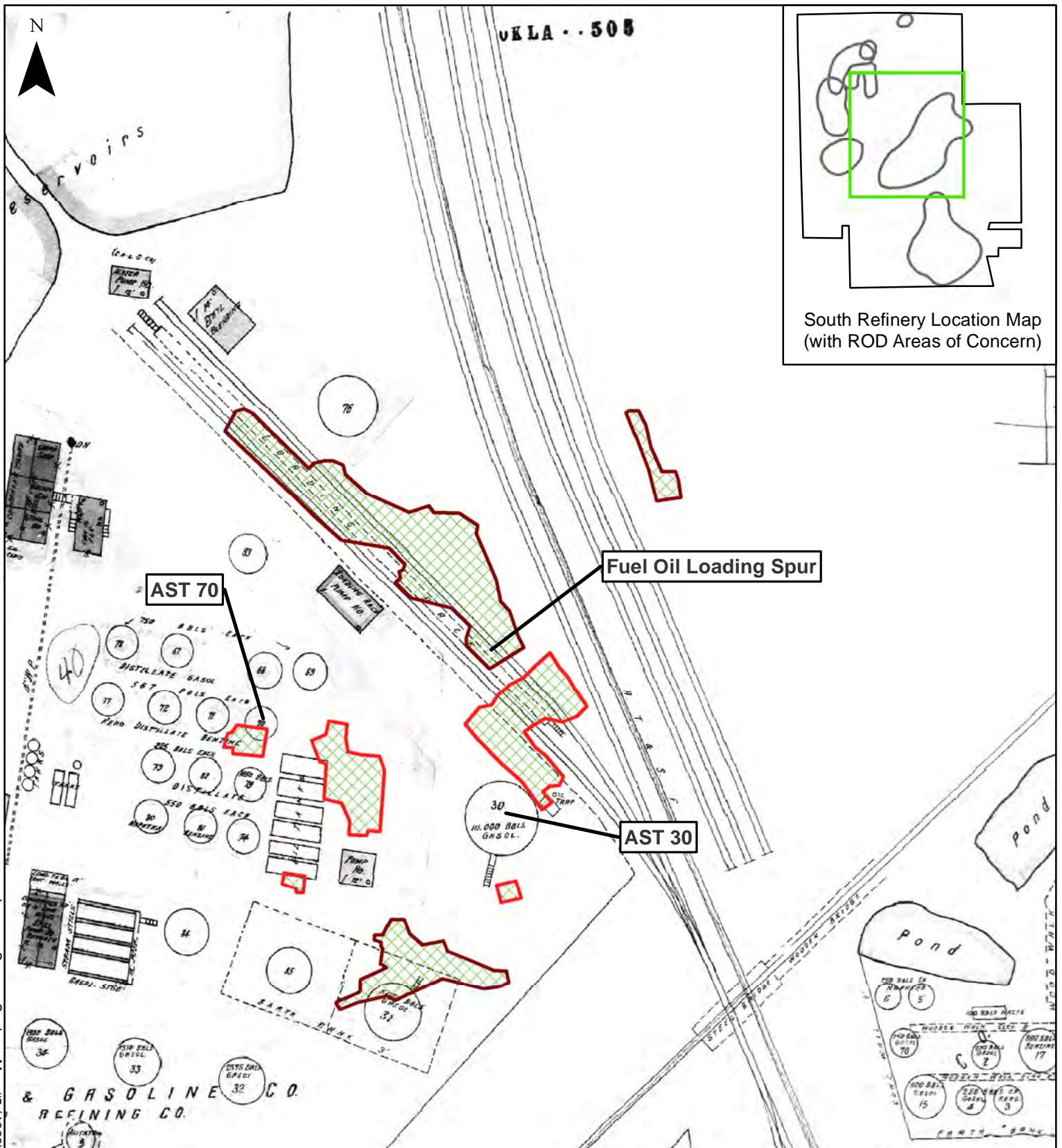
Visual Contamination (Initial Excavation to 2 Feet)

Sanborn Map: 1924



Areas Addressed Under the UAO
within and near SAOC-2-4, 2-11, 2-12,
2-14 and 2-15, and Unnamed Seep 1

FIGURE
26



Imagery Source: Sanborn Map #5 (1938)

Areas addressed under the UAO:		Visual Contamination (Initial Excavation to 2 Feet)
	Soil Removal Excavated to Greater than 2 Feet for Visual Confirmation	
	Soil Removal Excavated to Minimum Depth of 24 Inches	
		Sanborn Map: 1938 0 120 Feet

Areas Addressed Under the UAO
within and near SAOC-2-4, 2-11, 2-12,
2-14 and 2-15, and Unnamed Seep 1

FIGURE
27



Photograph - Leaking Pipe Buried under the Rail Spur

FIGURE
28



Photograph - Petroleum Product Leaking from pipeline under the Rail Spur

FIGURE
29



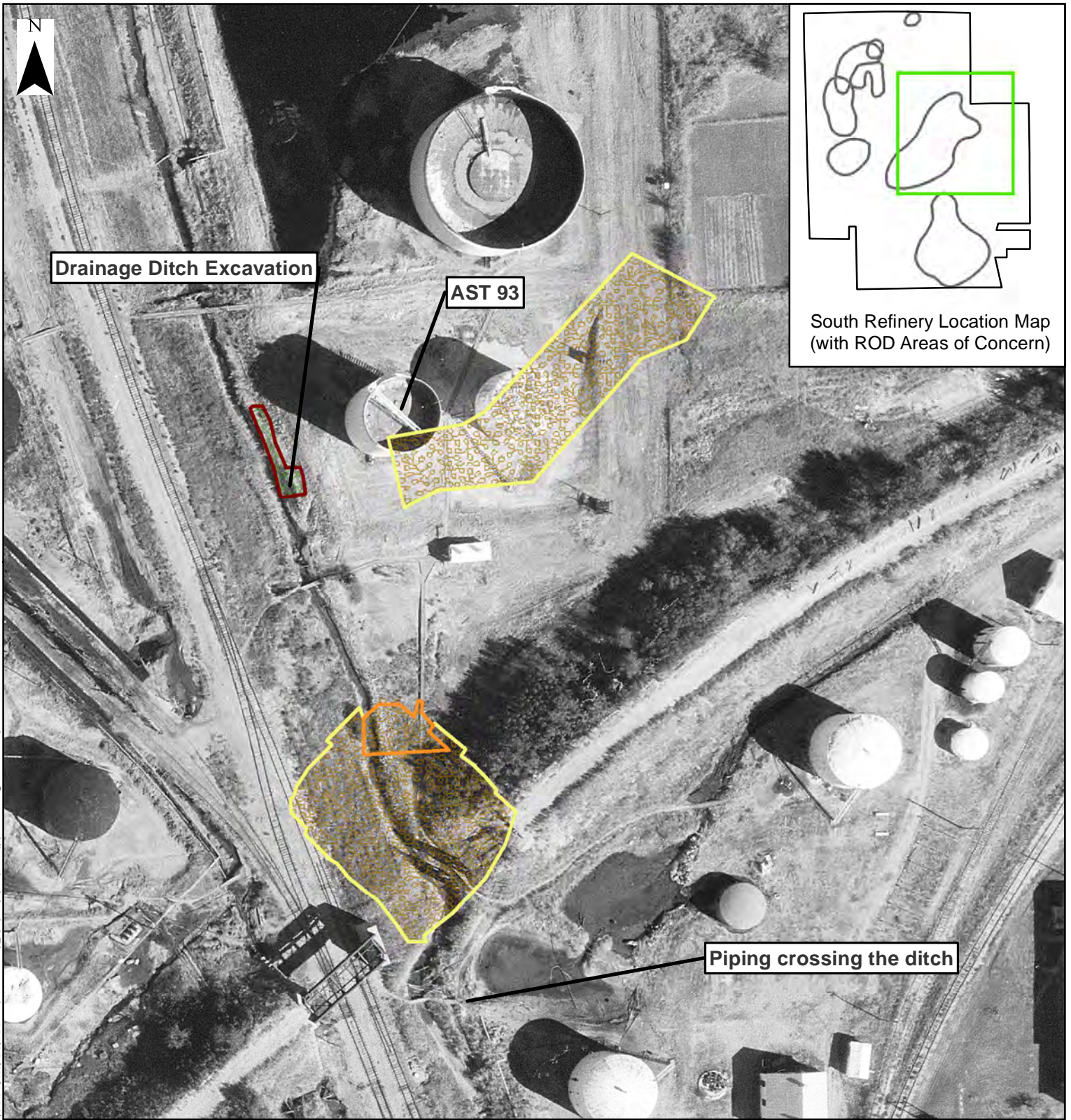
Photograph - "Visual contamination" Around Buried Pipe under Rail Spur

FIGURE
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Photograph - Leaking Screwed Pipe Collar (pre WWII) Under Rail Spur

FIGURE
31

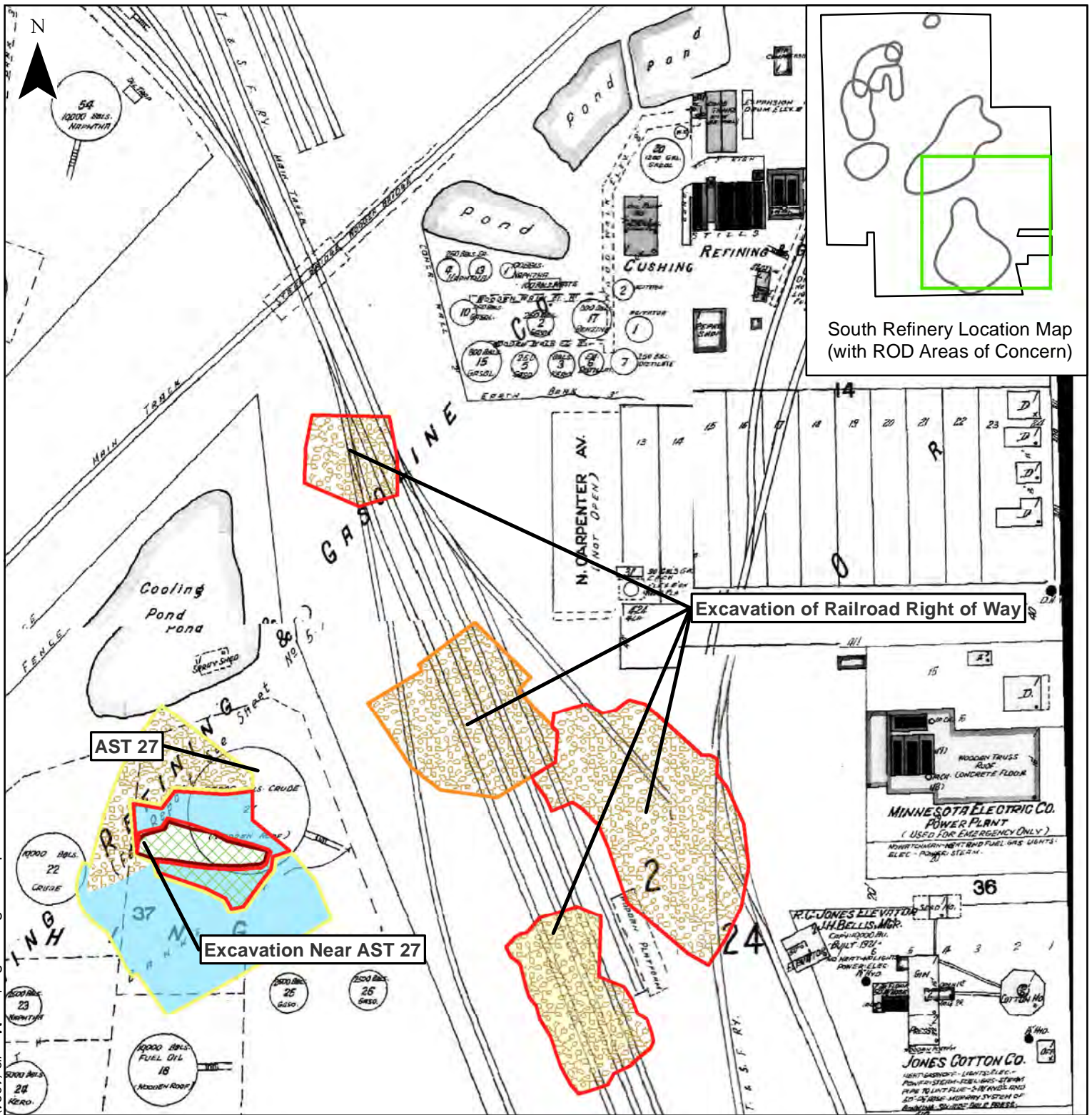


Imagery Source: Historical Aerial Photograph #13 (09/17/1980)

<p>Areas addressed under the UAO:</p> <ul style="list-style-type: none"> Soil Removal Excavated to Greater than 2 Feet for Visual Confirmation Soil Removal Excavated to Minimum Depth of 15 Inches Soil Removal Excavated to Minimum Depth of 6 Inches 	<ul style="list-style-type: none"> Visual Contamination (Initial Excavation to 2 Feet) Arsenic <p style="text-align: right;">Base Aerial: 1980</p> <div style="text-align: right;"> <p>0 120</p> <p>Feet</p> </div>
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Area Addressed Under the UAO within
SAOC 2-1, 2-2, and 2-3

FIGURE
32



Areas addressed under the UAO:

- Soil Removal Excavated to Greater than 2 Feet for Visual Confirmation
- Soil Removal Excavated to Minimum Depth of 24 Inches
- Soil Removal Excavated to Minimum Depth of 15 Inches
- Soil Removal Excavated to Minimum Depth of 6 Inches

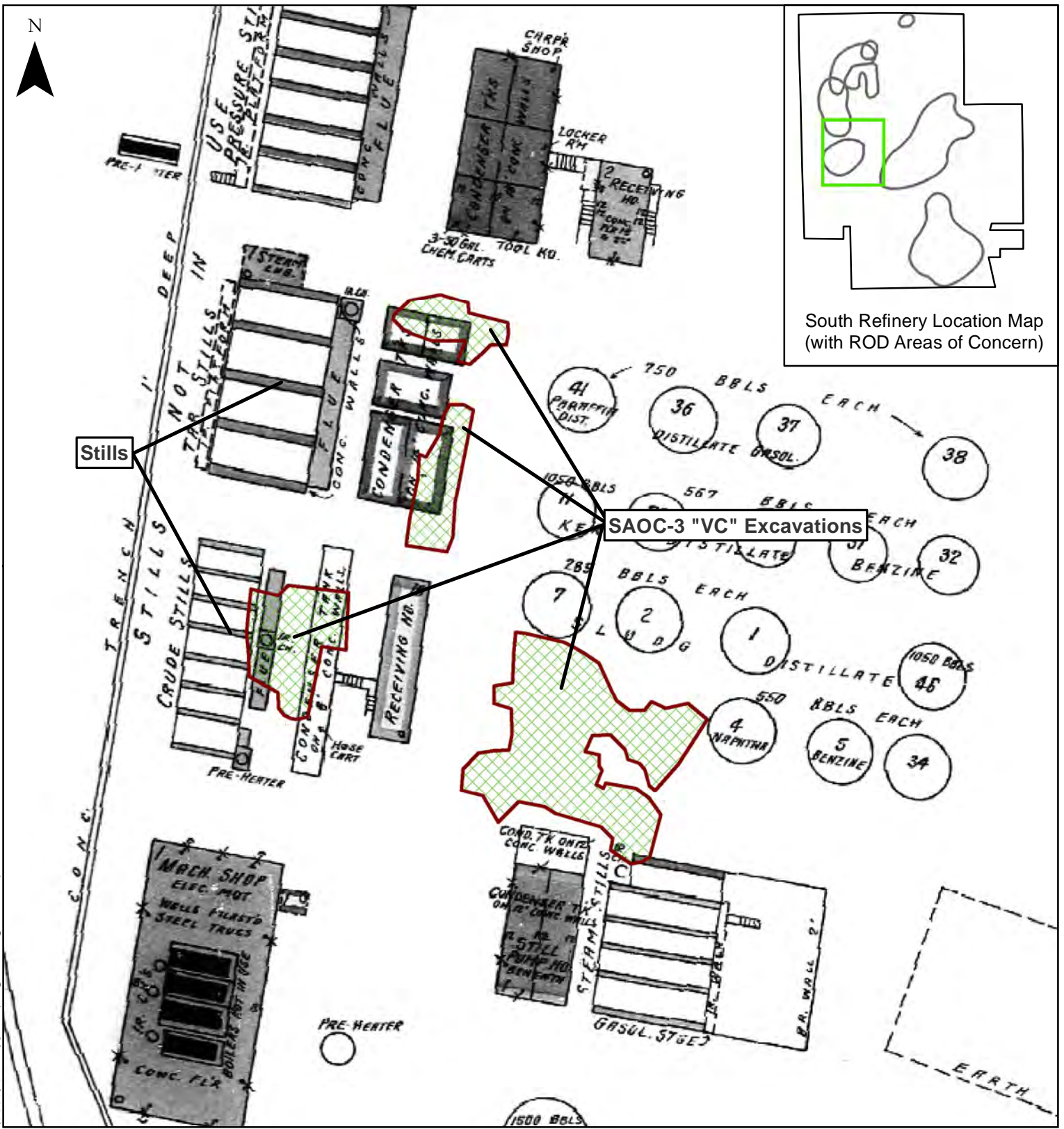
- Visual Contamination (Initial Excavation to 2 Feet)
- Benzo(a)pyrene
- Arsenic
- Lead

Sanborn Map: 1924



Areas Addressed Under the UAO within and near SAOC-1

FIGURE 33



Areas addressed under the UAO:

Soil Removal Excavated to Greater than 2 Feet for Visual Confirmation

Visual Contamination (Initial Excavation to 2 Feet)

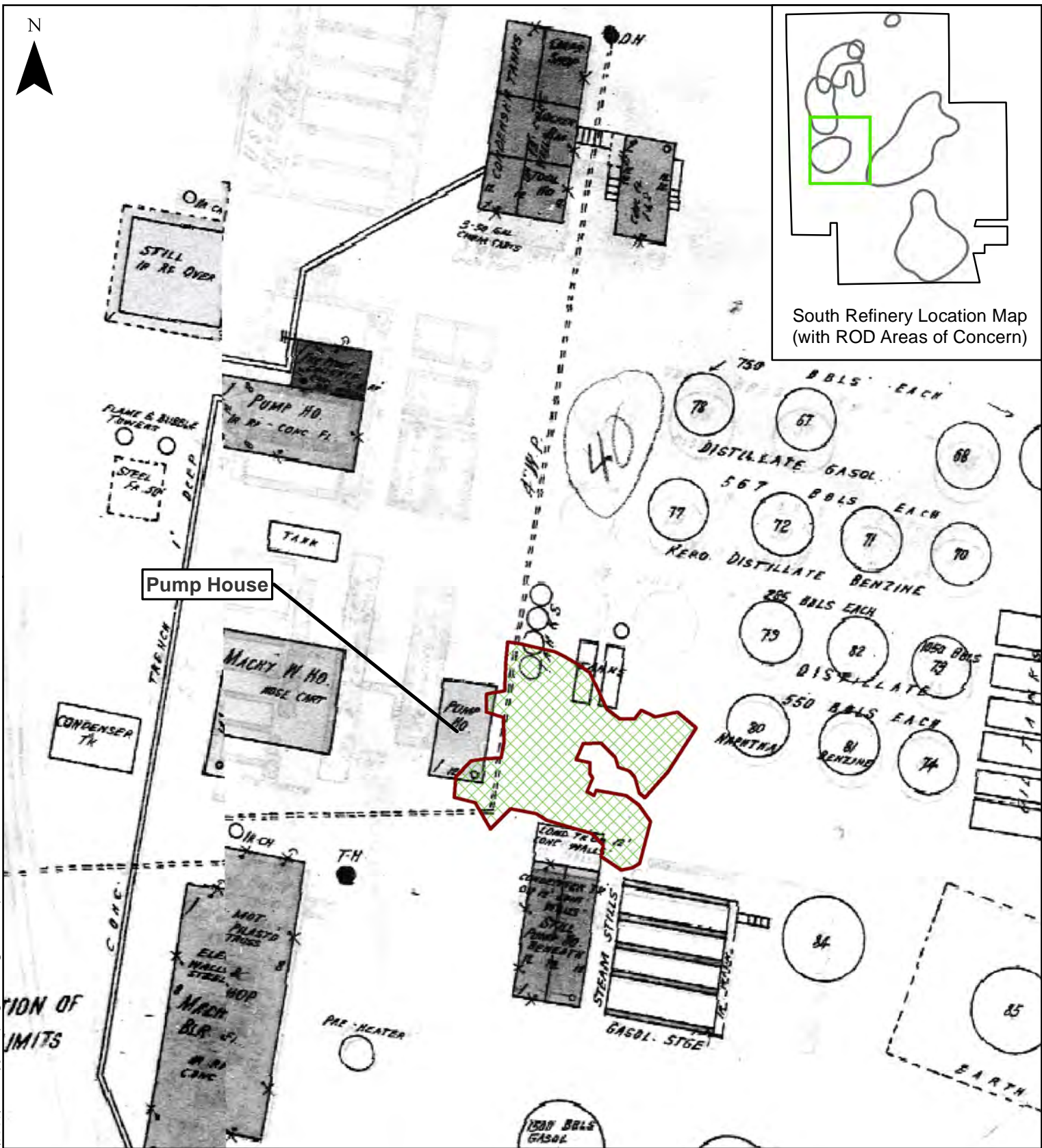
Sanborn Map: 1931

0 40
Feet


Areas Addressed Under the UAO
within SAOC 3-1, 3-2, 3-4, 3-6, and 3-7


FIGURE
34

DATE: 8/10/2015



Areas addressed under the UAO:

 Soil Removal Excavated to Greater than 2 Feet for Visual Confirmation

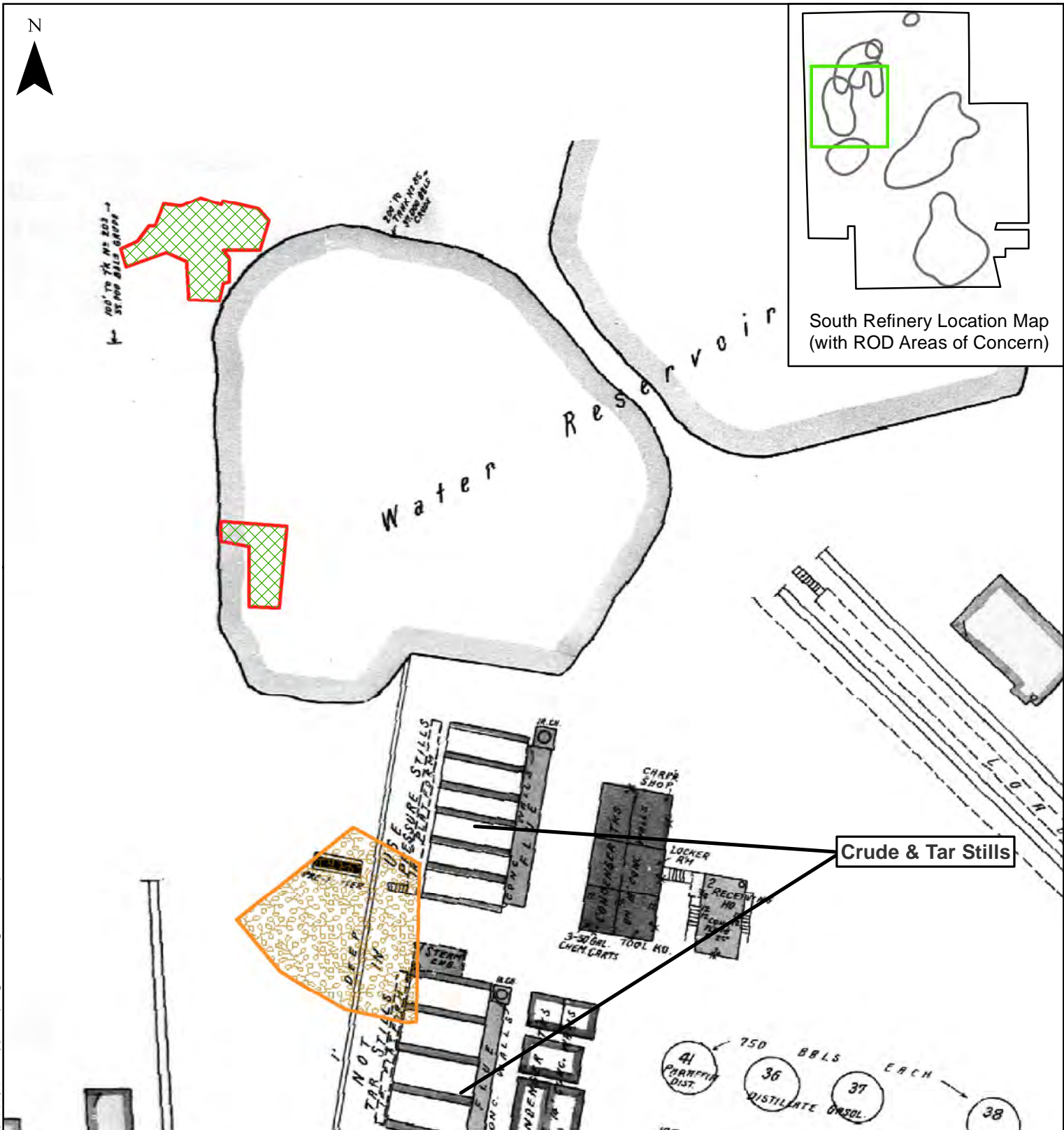
 Visual Contamination (Initial Excavation to 2 Feet)

0 40 Feet

Sanborn Map: 1938

Areas Addressed Under the UAO for
"visual contamination" within SAOC 3-6 and 3-7

FIGURE
35

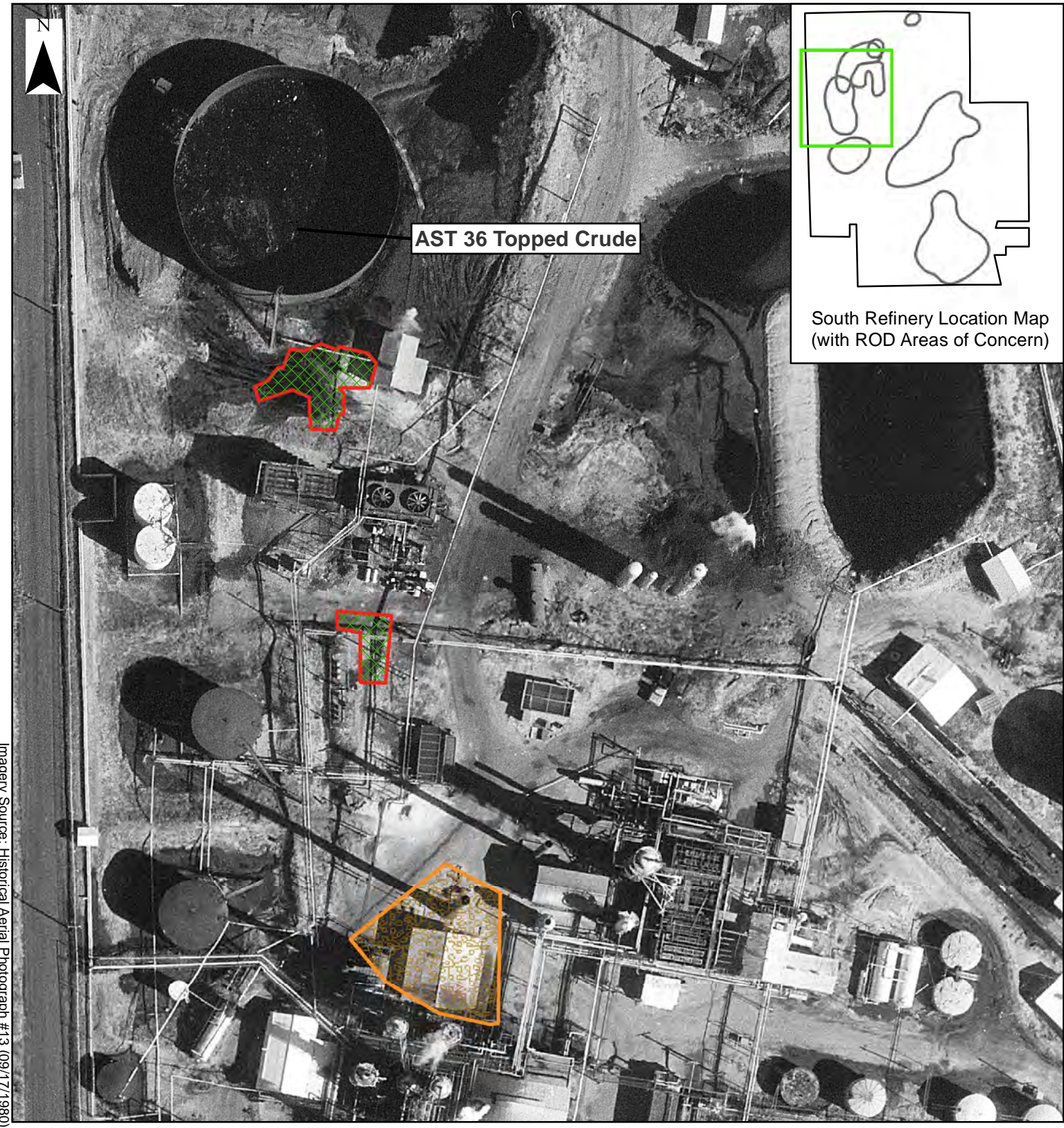


Imagery Source: Sanborn Map #4 (1931)

Areas addressed under the UAO:		 Visual Contamination (Initial Excavation to 2 Feet)
 Soil Removal Excavated to Minimum Depth of 24 Inches	 Arsenic	
 Soil Removal Excavated to Minimum Depth of 15 Inches		
Sanborn Map: 1931		0 40 Feet

Areas Addressed Under the UAO
within SAOC 4-1, 4-3, and 4-6

FIGURE
36



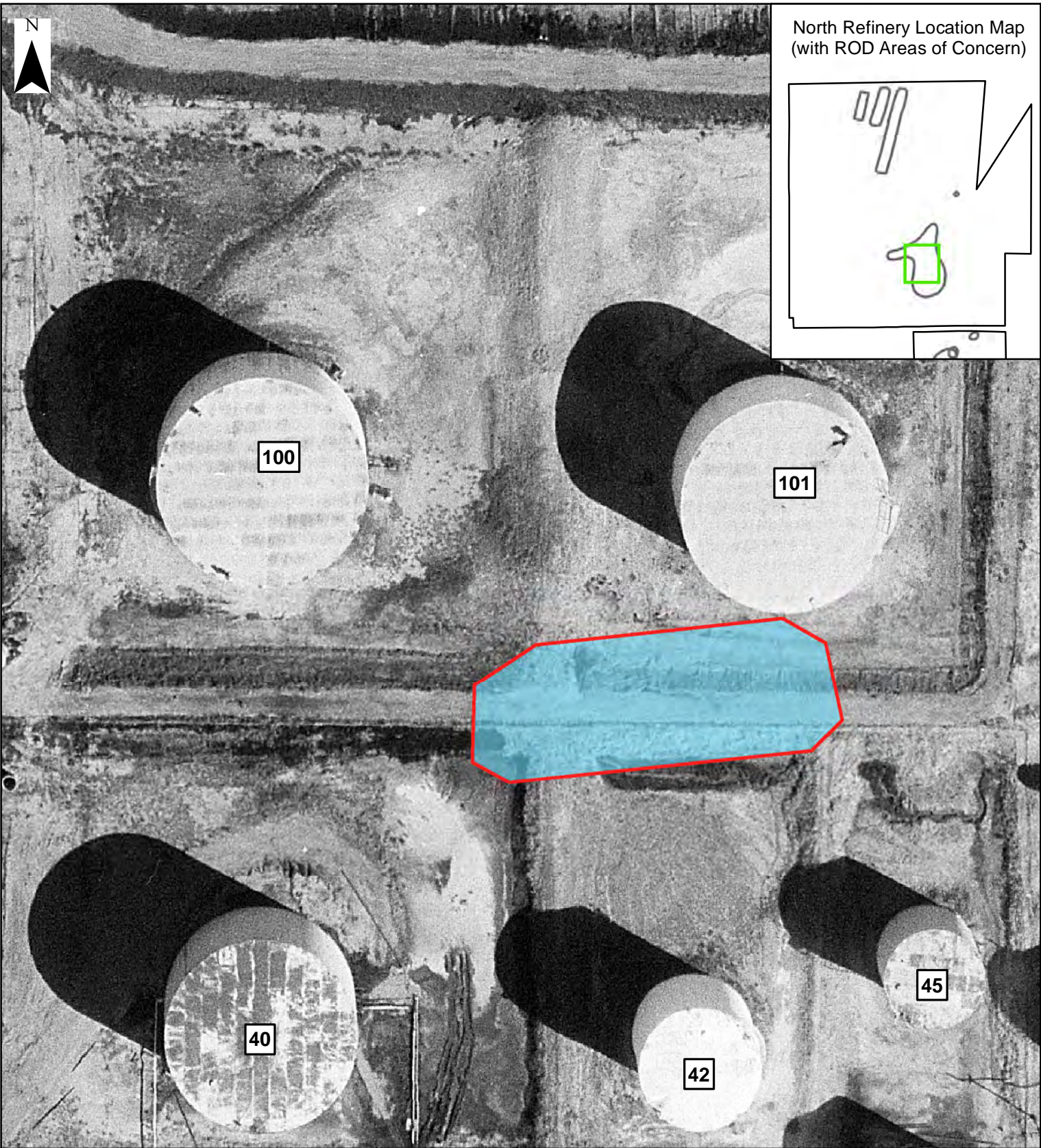
Imagery Source: Historical Aerial Photograph #13 (09/17/1980)

Areas addressed under the UAO:		 Visual Contamination (Initial Excavation to 2 Feet)
 Soil Removal Excavated to Minimum Depth of 24 Inches		 Arsenic
 Soil Removal Excavated to Minimum Depth of 15 Inches		

Base Aerial: 1980 0  80 Feet

Areas Addressed Under the UAO
within SAOC 4-1, 4-3, and 4-6

FIGURE
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Imagery Source: Historical Aerial Photograph #13 (09/17/1980)

Areas addressed under the UAO:

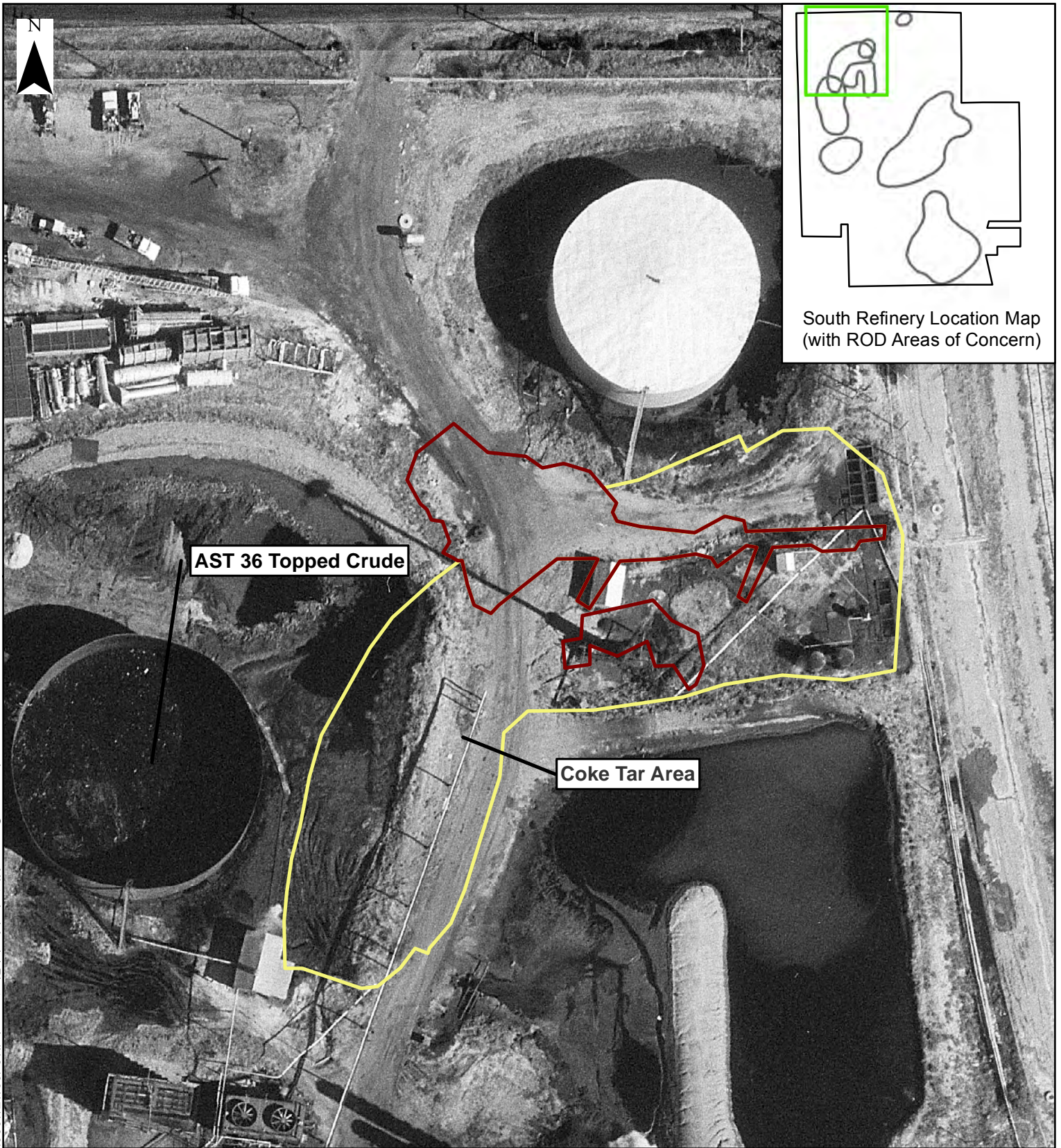
Soil Removal Excavated to Minimum Depth of 24 Inches

Benzo(a)pyrene

0 40
Base Aerial: 1980 Feet

Area Addressed Under the
UAO within SAOC 7-1

FIGURE
38



Imagery Source: Historical Aerial Photograph #13 (09/17/1980)

Areas addressed under the UAO:

- Soil Removal Excavated to Greater than 2 Feet for Visual Confirmation
- Soil Removal Excavated to Minimum Depth of 6 Inches

Base Aerial: 1980

0 120
Feet

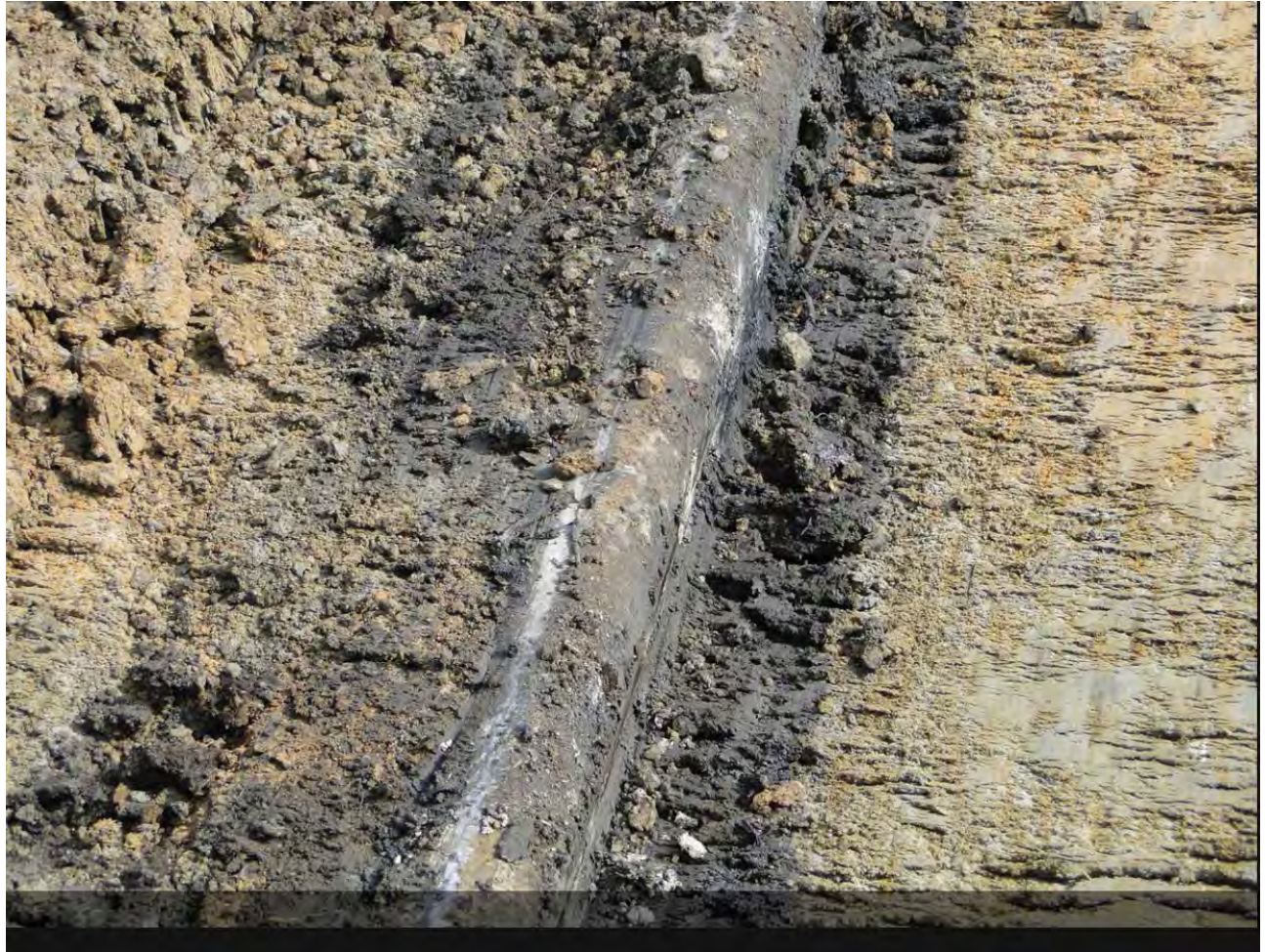
Areas Addressed under the UAO for “visual contamination”
within “Coke Tar Area,” and the excavation
Near Pothole #2 and SAOC 5-1

FIGURE
39



Photograph - Petroleum Product Leaking from Buried Pipe in "Coke Tar Area"

FIGURE
40



Photograph - "Visual contamination" surrounding a Buried Pipe in "Coke Tar Area"

FIGURE
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