US EPA ARCHIVE DOCUMENT

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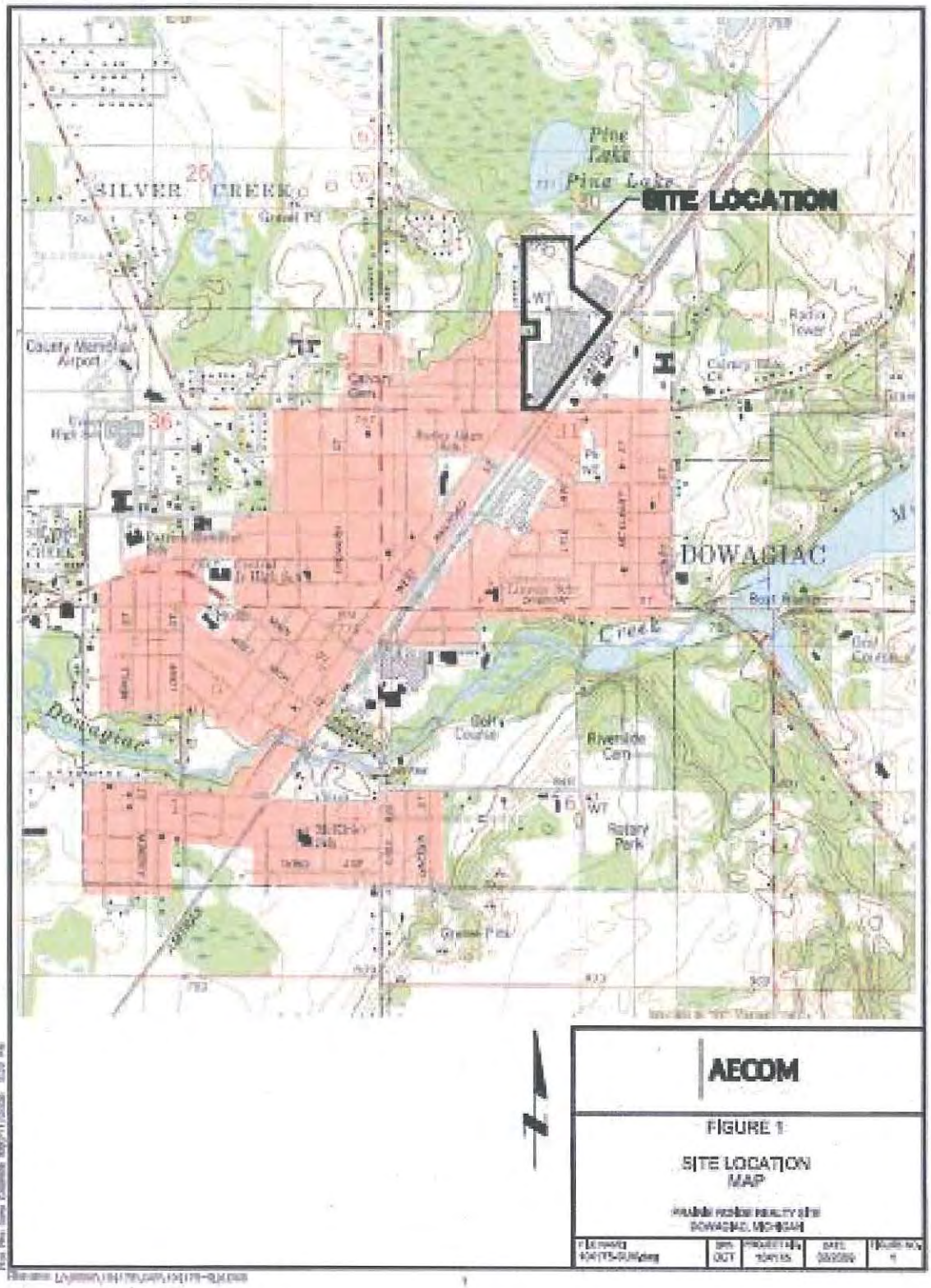
Figures

Prairie Ronde Realty Site
Dowagiac, MI



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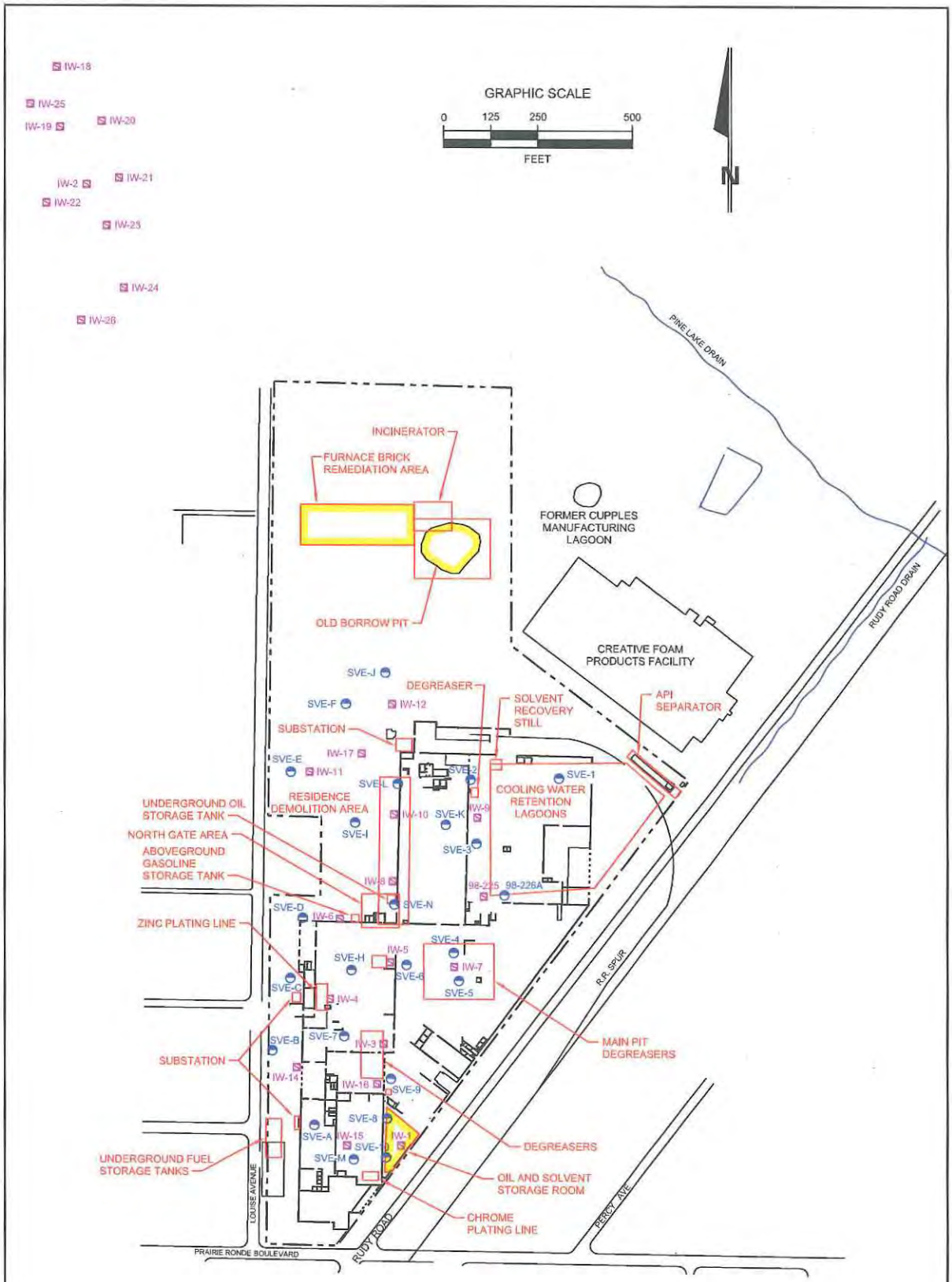

LEGEND:

- PRAIRIE RONDE REALTY PROPERTY LINE
- POTENTIAL SOURCE AREA
- APPROXIMATE HISTORICAL EXCAVATION BOUNDARY
- AIR SPARGE WELL
- SVE WELL

Figure 2

POTENTIAL SOURCE AREAS

FOR:
PRAIRIE RONDE REALTY
415 East Prairie Ronde, Dowagiac, Michigan 49047

Plotted By: wdoscher
Layout-Sheet Name: LAYOUT1
Plot File Date Created: Jan/12/2012 4:26 PM

Filename: L:\WORK\CAD\60143510-PRAIRIE RONDE\CMP UPDATE\60143510 CMP FC2.DWG

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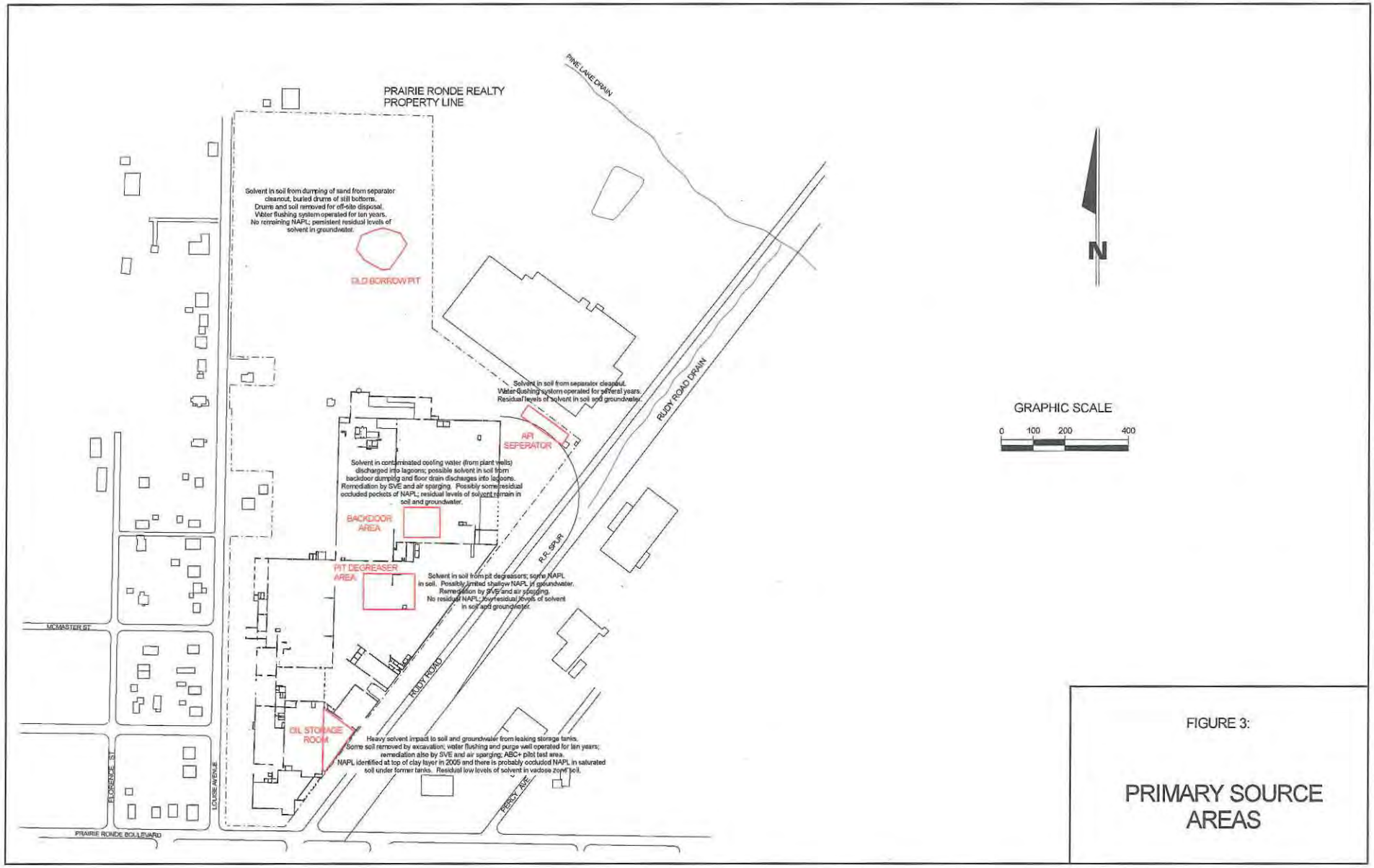


FIGURE 3:

PRIMARY SOURCE AREAS

US EPA ARCHIVE DOCUMENT

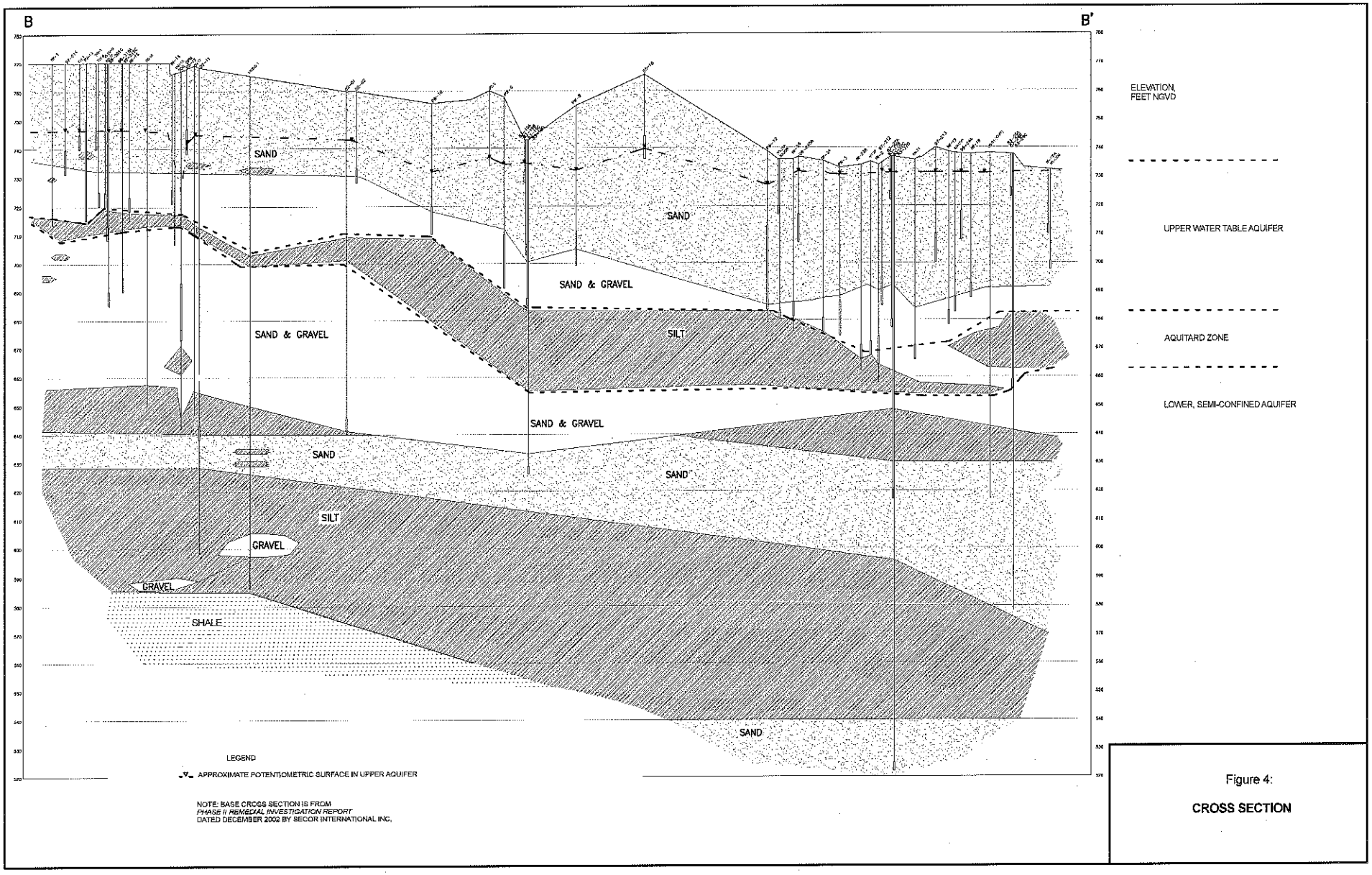


Figure 4:

CROSS SECTION

US EPA ARCHIVE DOCUMENT

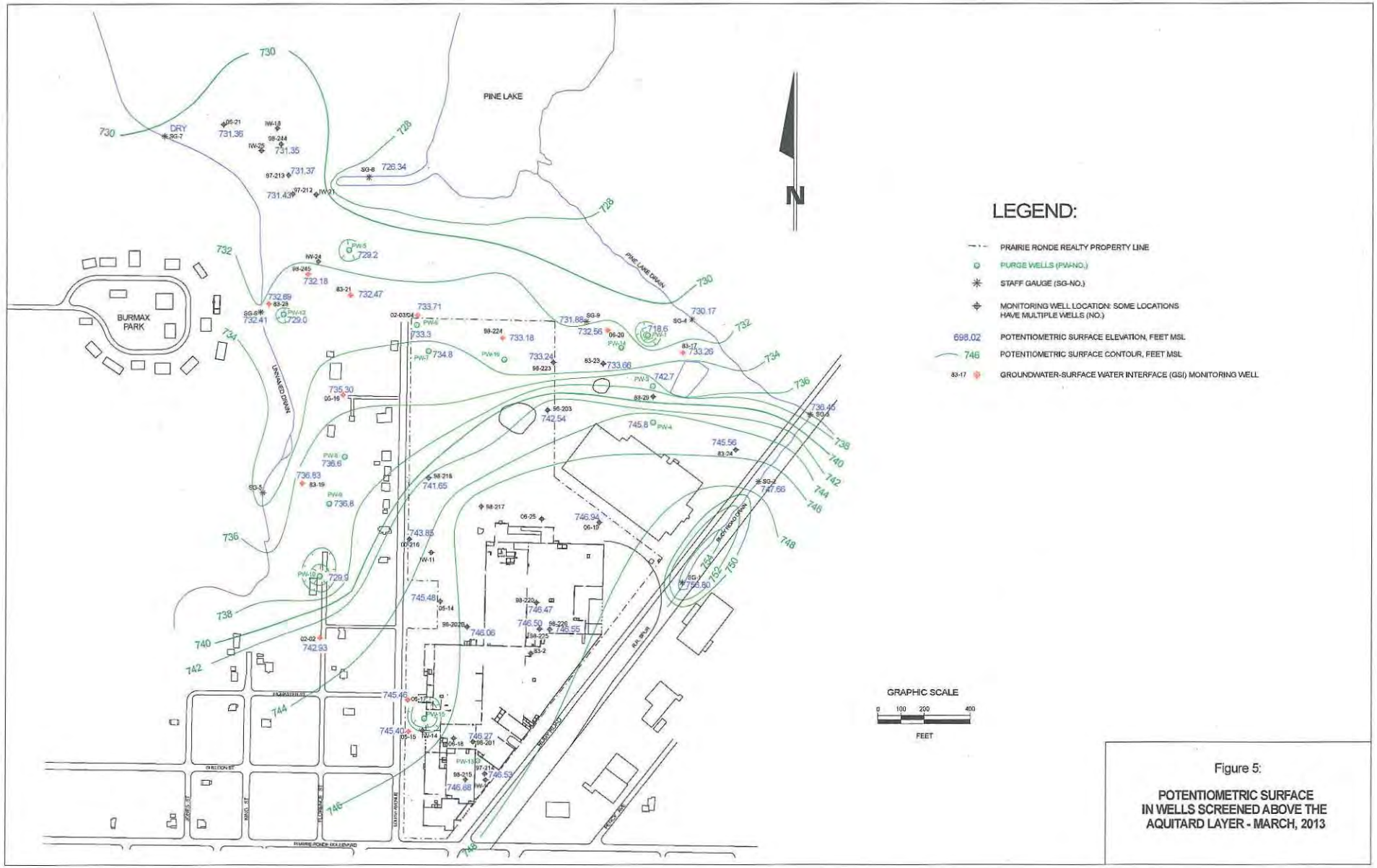


Figure 5:

POTENTIOMETRIC SURFACE IN WELLS SCREENED ABOVE THE AQUITARD LAYER - MARCH, 2013

US EPA ARCHIVE DOCUMENT

Aerial Photo Source: State of Michigan, Center for Geographic Information

P:\60143510\Misc\91895\GIS\Wetlands_11x17.mxd

Habitat Areas *(Southwest Michigan Land Conservancy, 2003)*

1 High Quality
2 Medium Quality
3 Low Quality
4 Medium Quality
5 Lower Quality Area
6 High Quality Area
7 High Quality Area
8 Medium Quality Area

Wetlands *(National Wetlands Inventory)*
Habitat Area
Drain
Property Boundary

N W E S

0 250 500 1,000 1,500 2,000
Feet

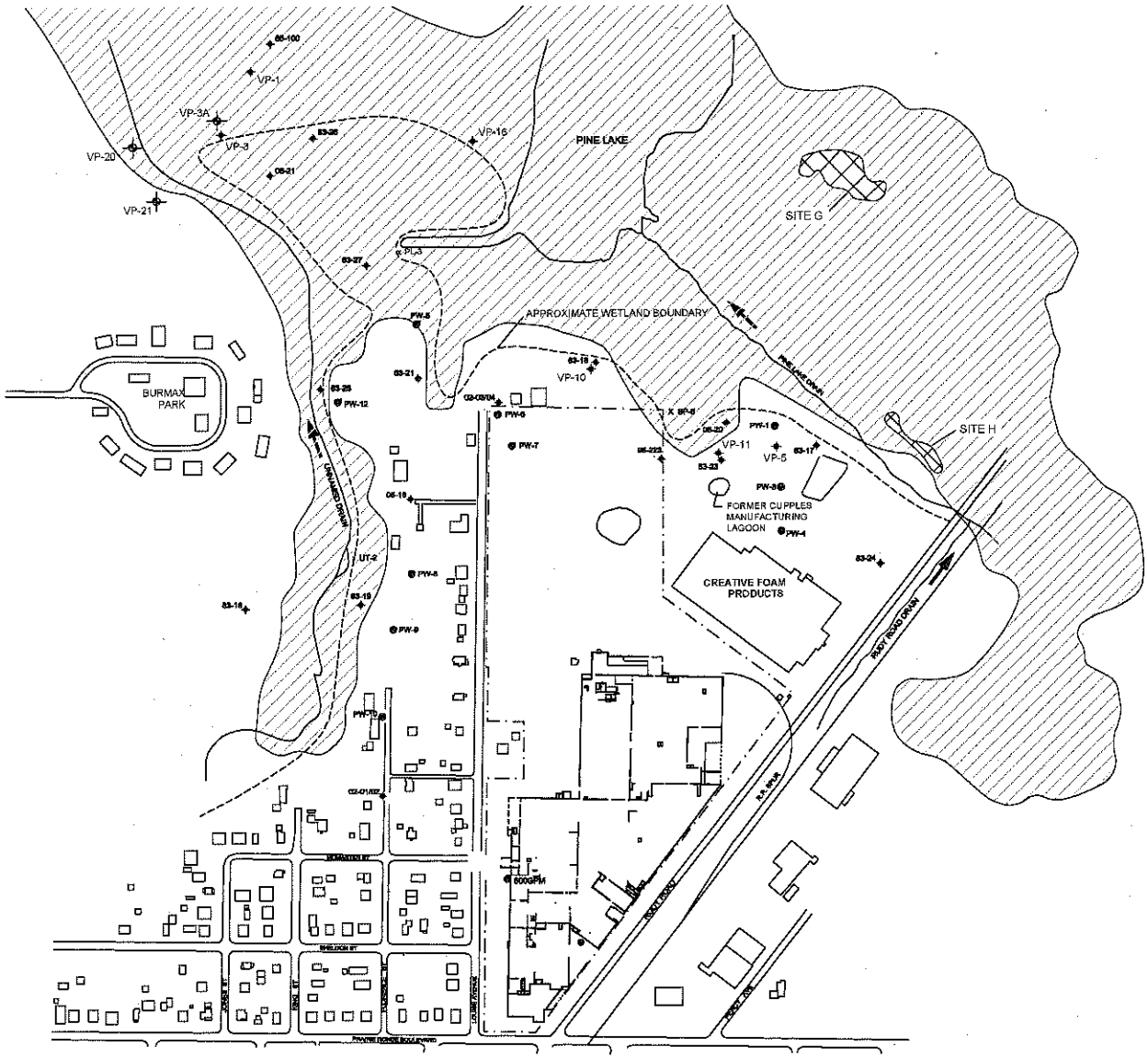
AECOM

Figure 6

Land Use and Habitats

Prairie Ronde Realty
Dowagiac, Michigan

104175	January 2009	Creator: BRH052913
		Q.C: GH



LEGEND:

- PRAIRIE RONDE REALTY PROPERTY LINE
- MONITORING WELL LOCATION: SOME LOCATIONS HAVE MULTIPLE WELLS (NO.)
- PURGE WELLS (PW-NO.)
- VERTICAL PROFILE BORING, FEBRUARY AND APRIL 2005
- VERTICAL PROFILE BORING BY SECOR INTERNATIONAL, INC., FROM PHASE II REMEDIAL INVESTIGATION REPORT, DECEMBER 2002.
- SEEP
- SURFACE WATER FLOW DIRECTION
- PRIMARY CONSERVATION ZONE
- SECONDARY CONSERVATION ZONE

N

GRAPHIC SCALE

0 100 200 400

FEET

AECOM

Modified by AECOM from Map Prepared By:

R. David Mursch, P.E.

Geotechnical and Environmental Engineer

104 Riverbluff Drive West – Connelly Springs, NC 28612
Phone: (828) 234-5906 email: davidmursch@earthlink.net

FOR:

PRAIRIE RONDE REALTY

415 East Prairie Ronde, Dowagiac, Michigan 49047

Figure 7

CONSERVATION ZONES FOR MITCHELL'S SATYR BUTTERFLY

Plotted By: wilbochem
Layout=Sheet Name: FIG 3A
Plot File Date Created: May/29/2013 1:30 PM

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RELEASE 2.0 (JULY 2008)

US EPA ARCHIVE DOCUMENT

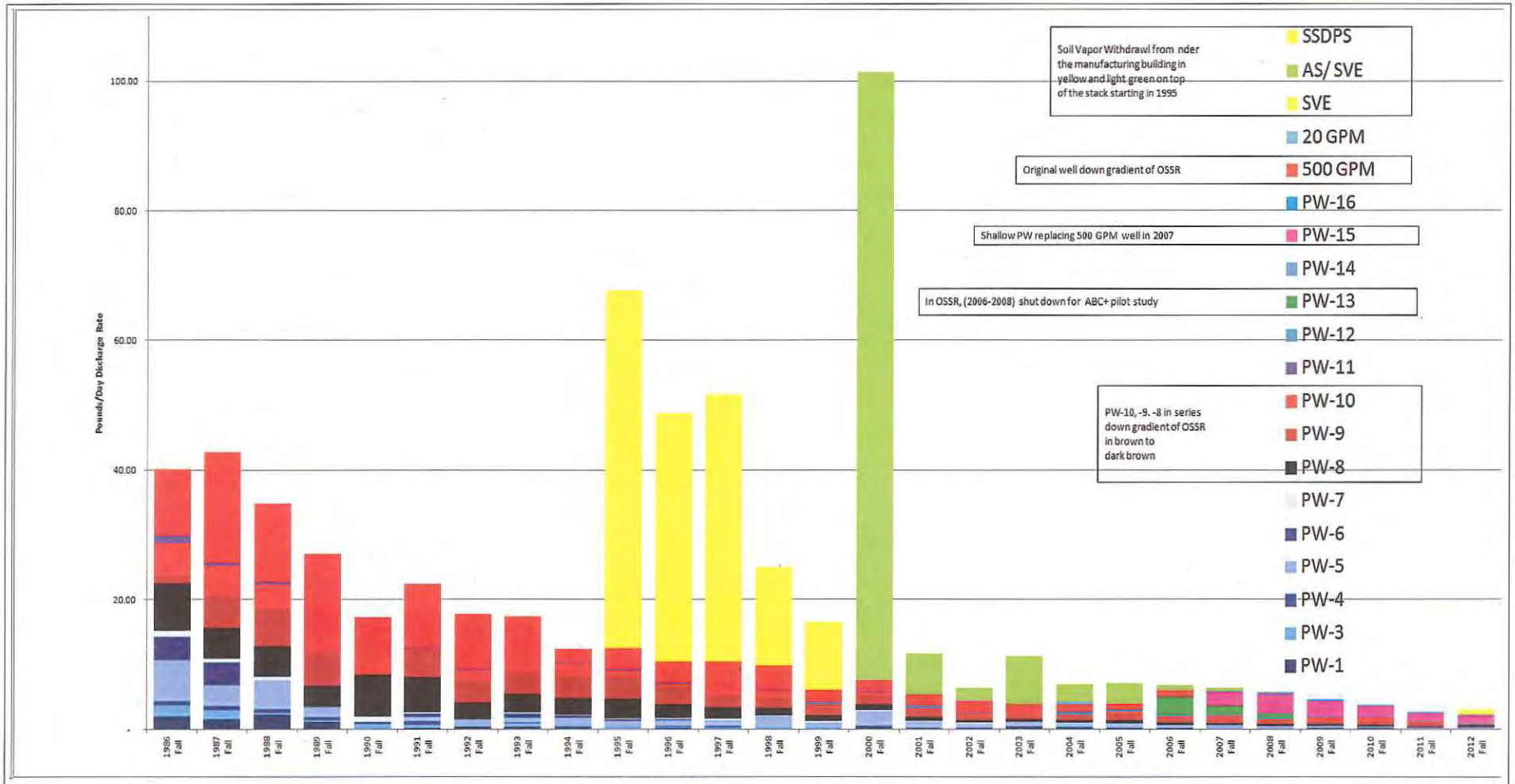

Figure 8:

FLUX DISCHARGE CHART

US EPA ARCHIVE DOCUMENT

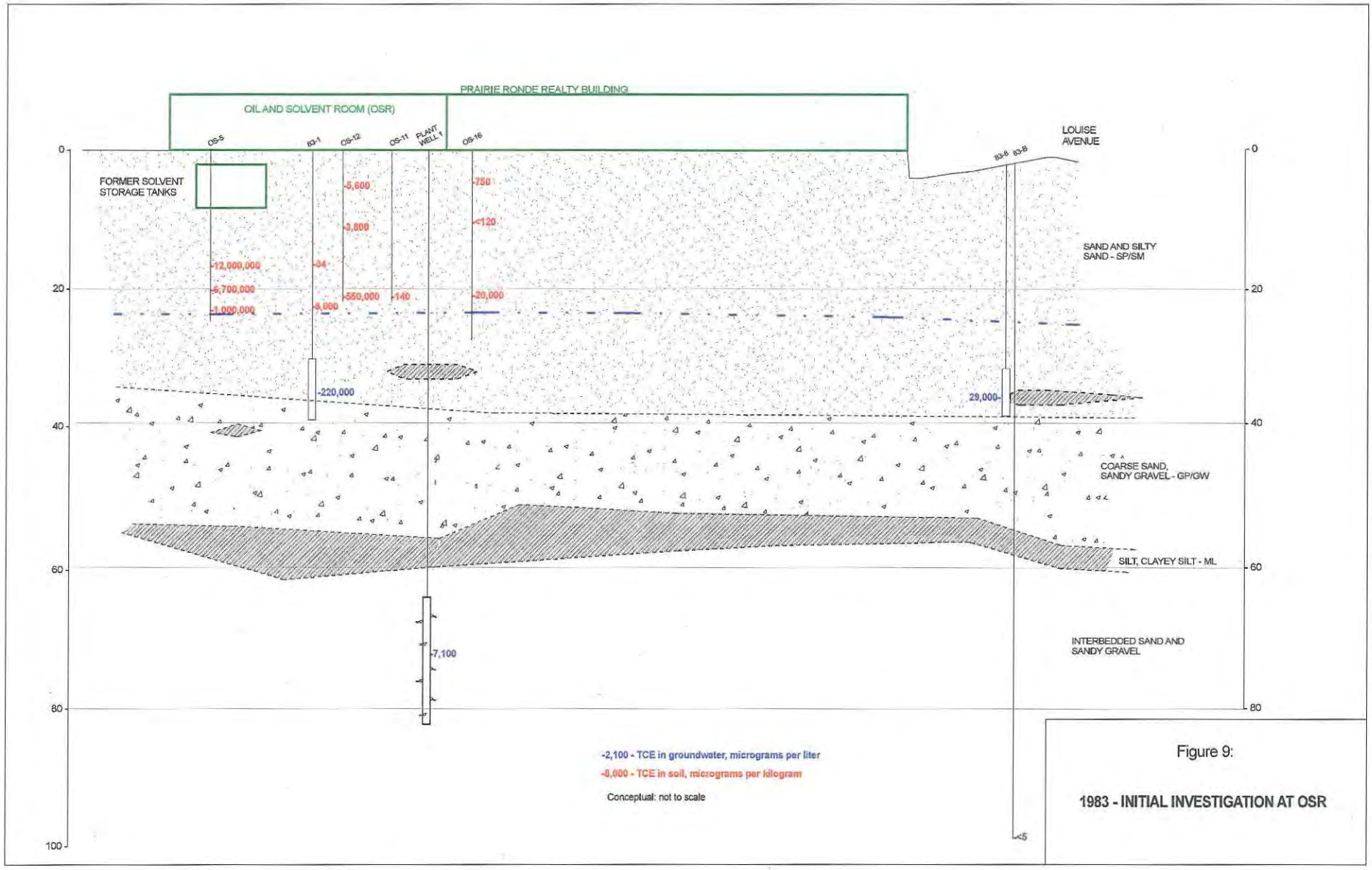

Figure 9:

1983 - INITIAL INVESTIGATION AT OSR

US EPA ARCHIVE DOCUMENT

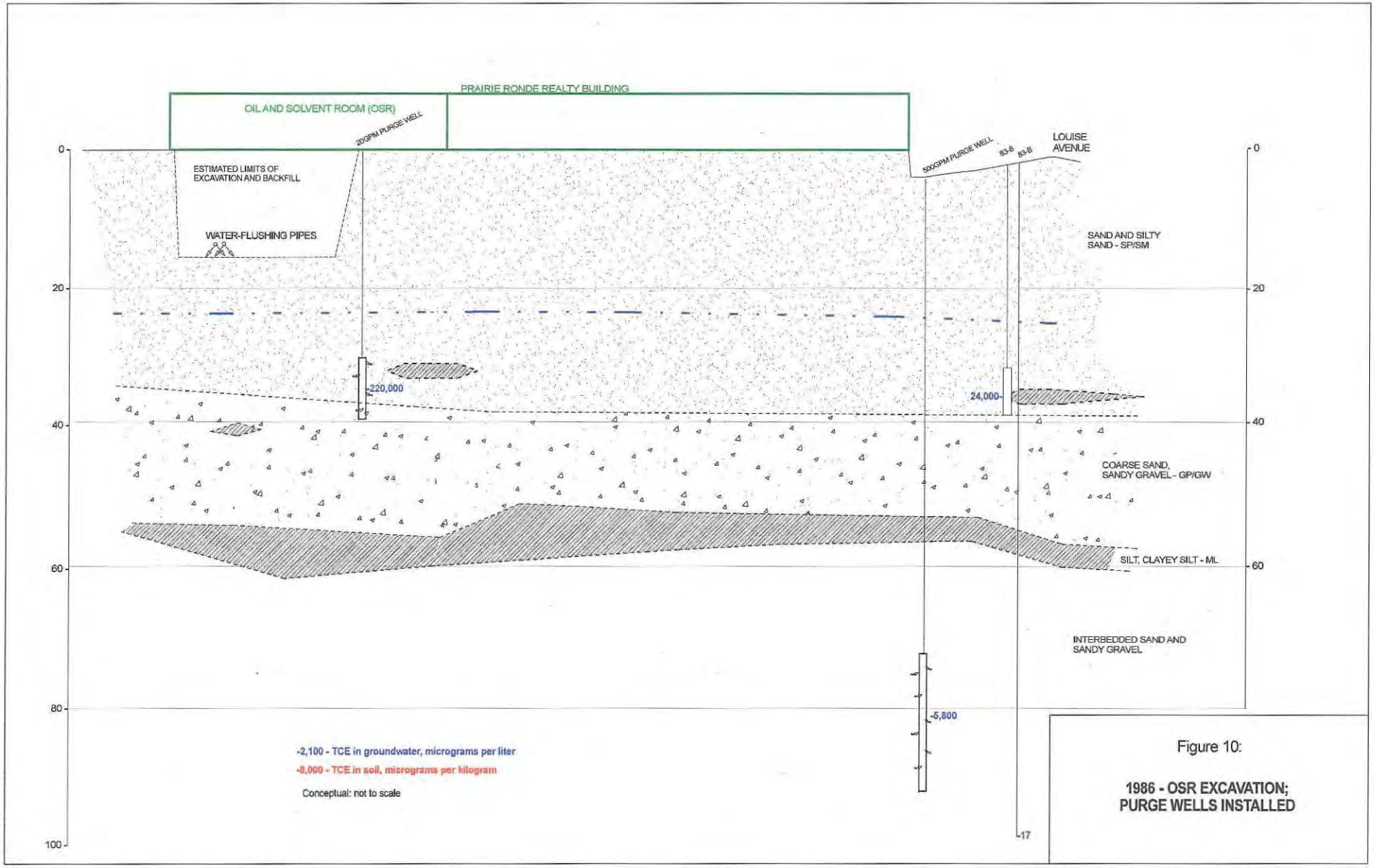

Figure 10:

1986 - OSR EXCAVATION; PURGE WELLS INSTALLED

US EPA ARCHIVE DOCUMENT

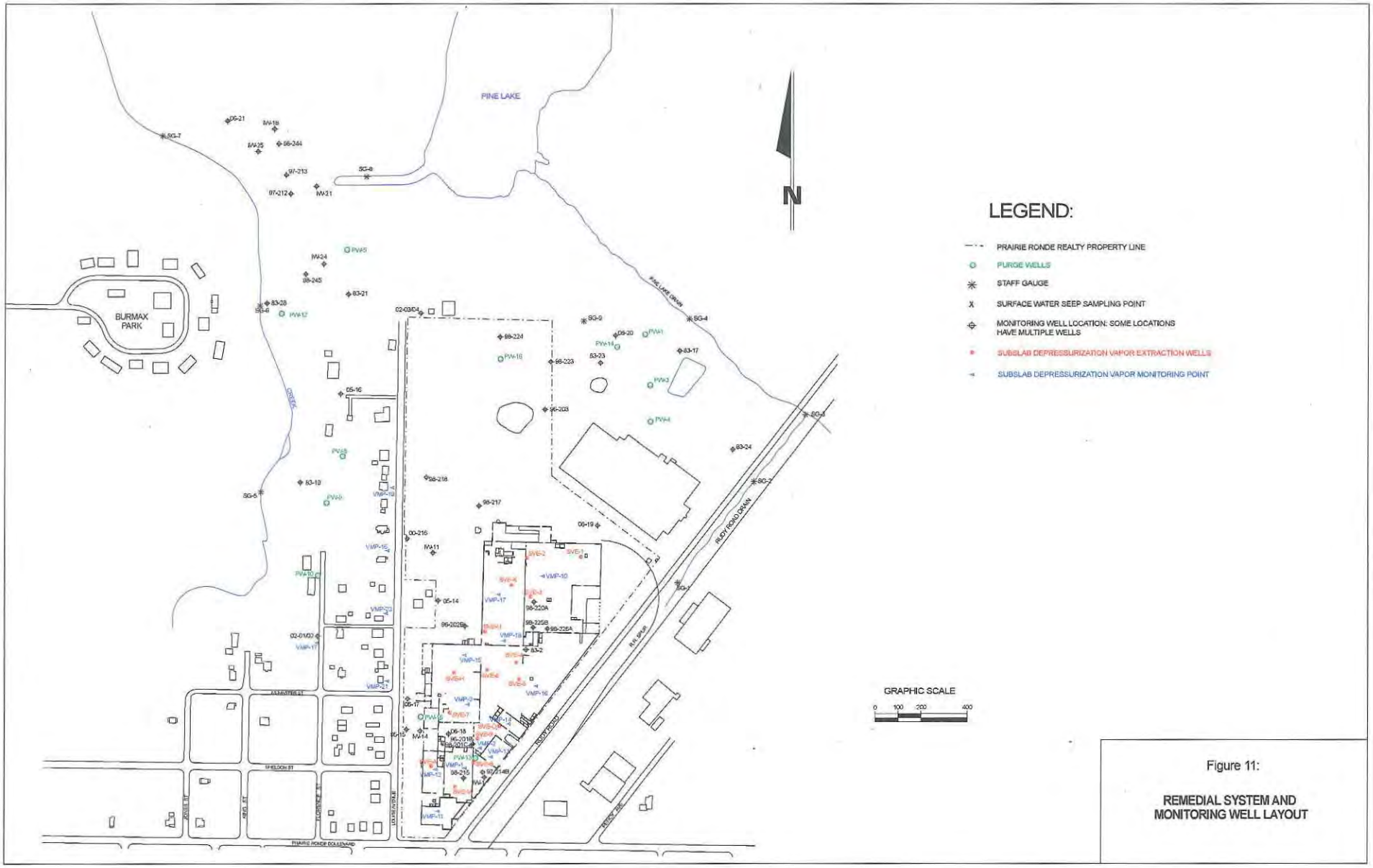

Figure 11:

REMEDIAL SYSTEM AND MONITORING WELL LAYOUT

US EPA ARCHIVE DOCUMENT

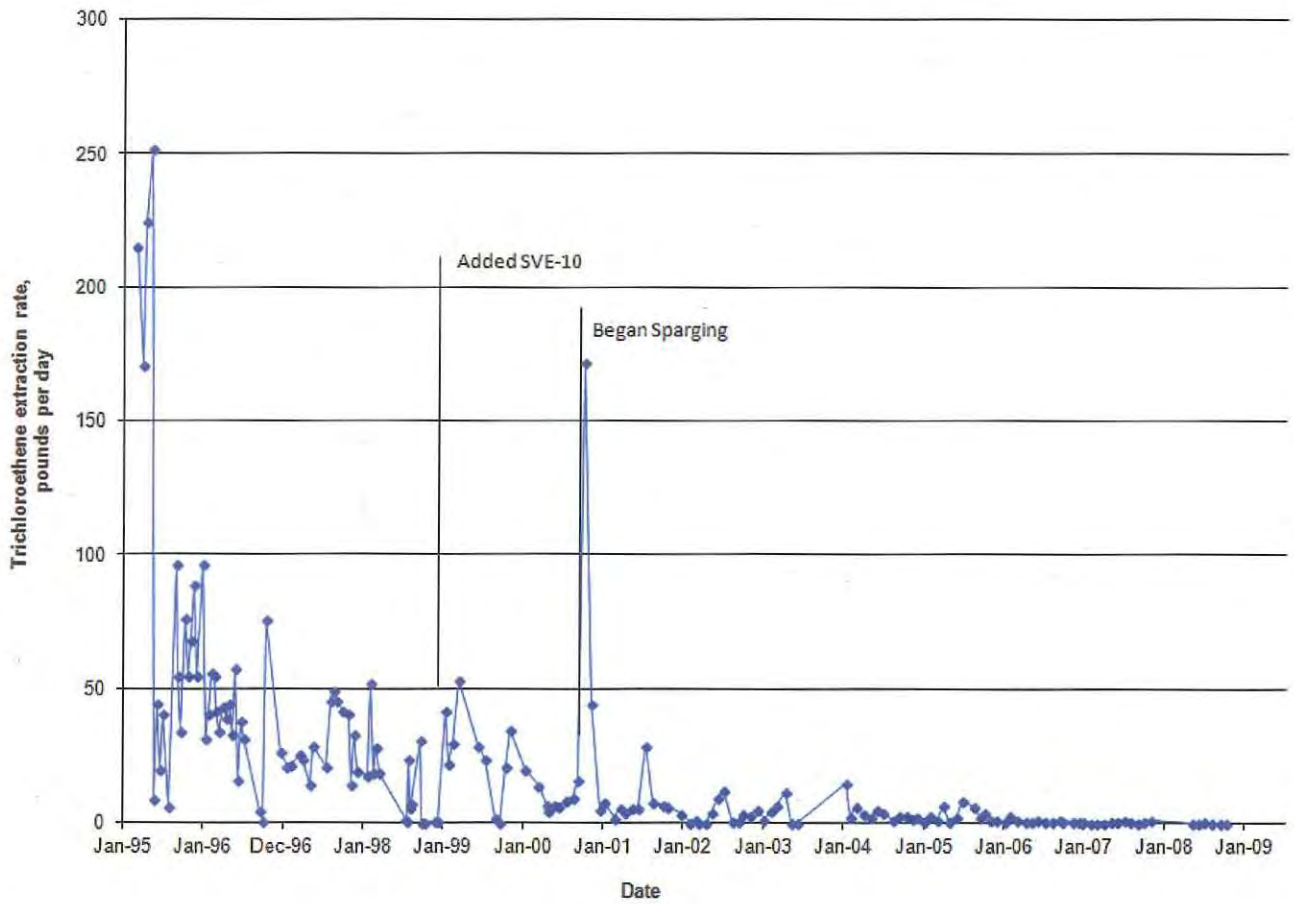

Figure 12:

TIME TREND CHART OF TRICHLOROETHENE EXTRACTION FROM SVE SYSTEM

US EPA ARCHIVE DOCUMENT

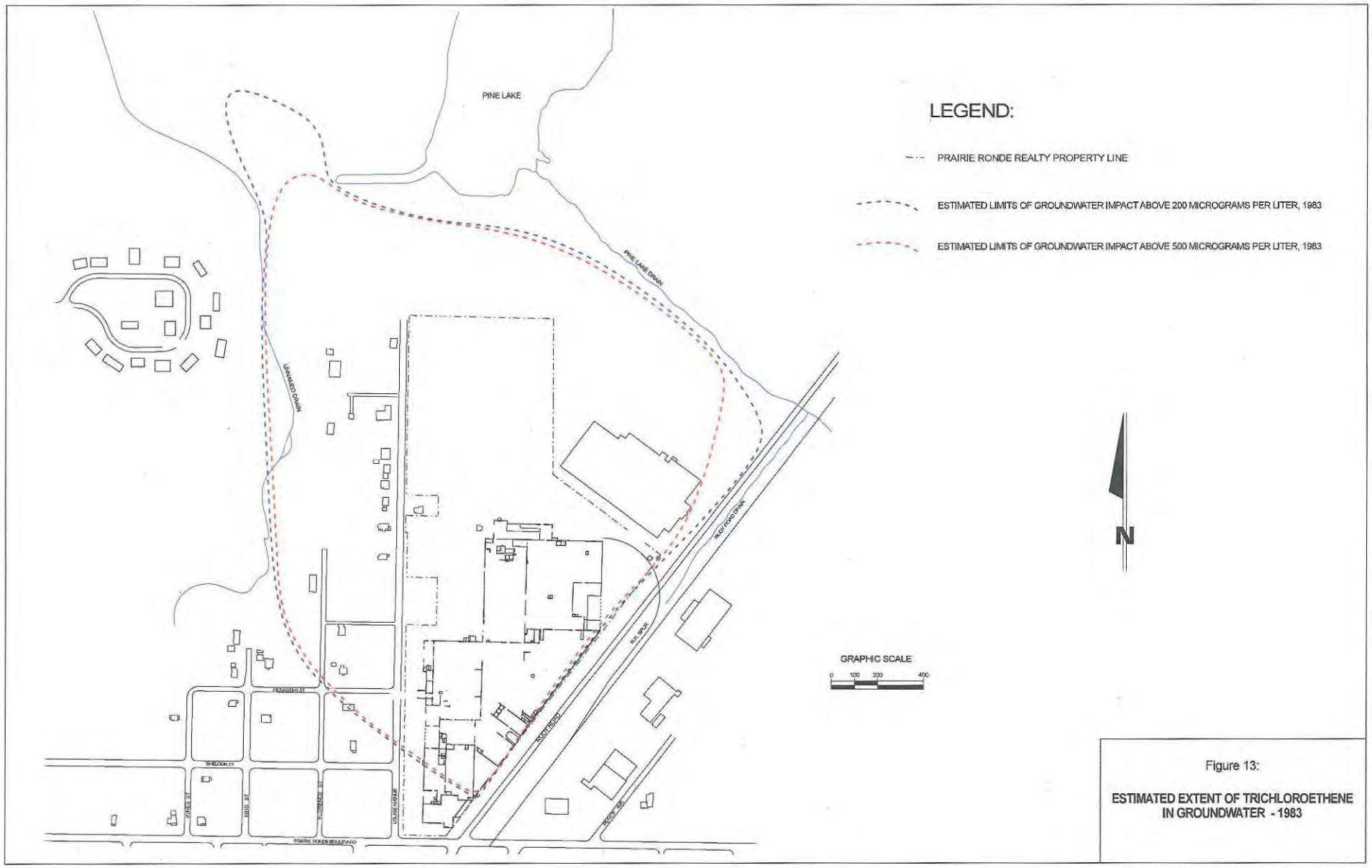

Figure 13:

ESTIMATED EXTENT OF TRICHLOROETHENE IN GROUNDWATER - 1983

US EPA ARCHIVE DOCUMENT

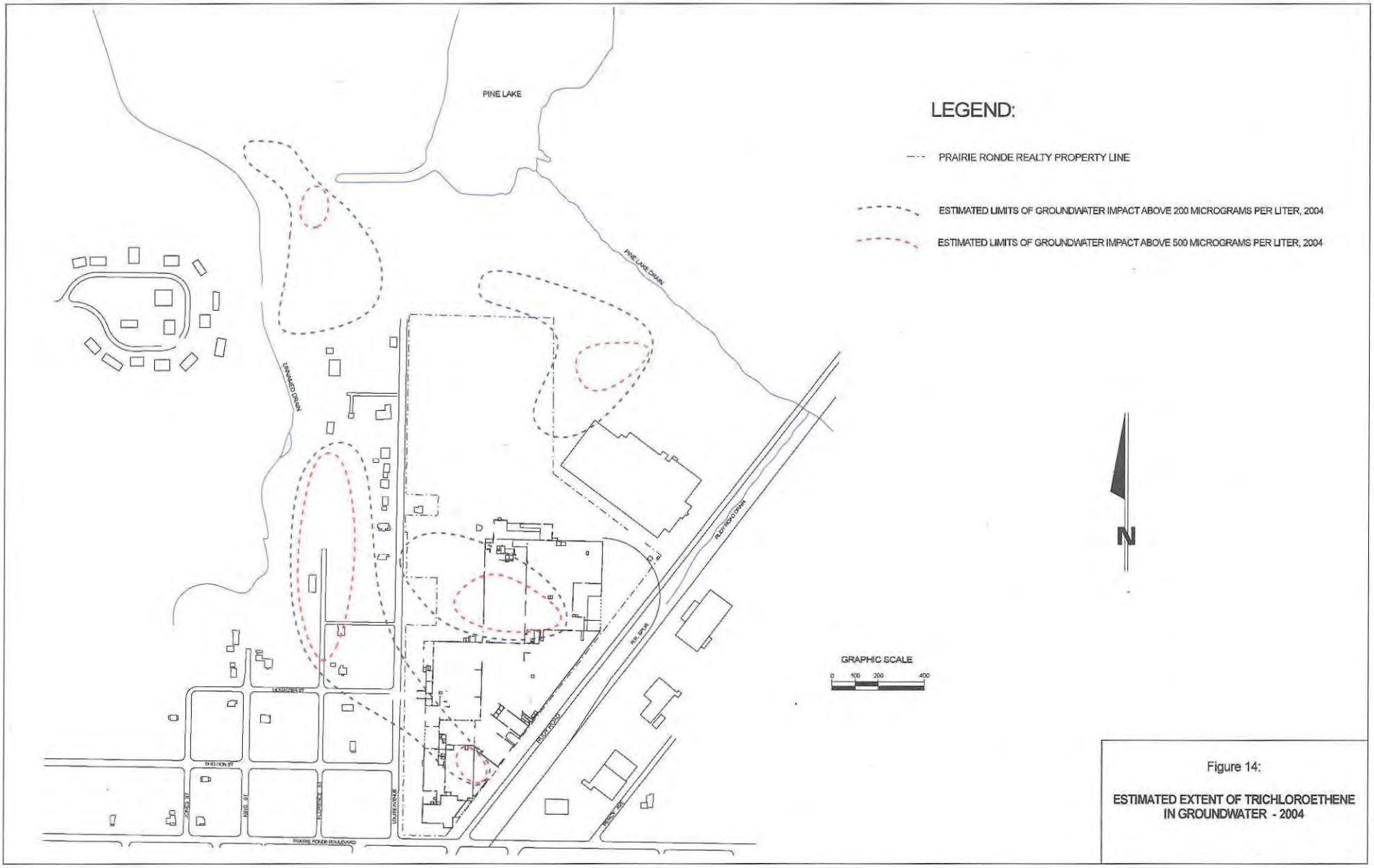

Figure 14:

ESTIMATED EXTENT OF TRICHLOROETHENE IN GROUNDWATER - 2004

US EPA ARCHIVE DOCUMENT

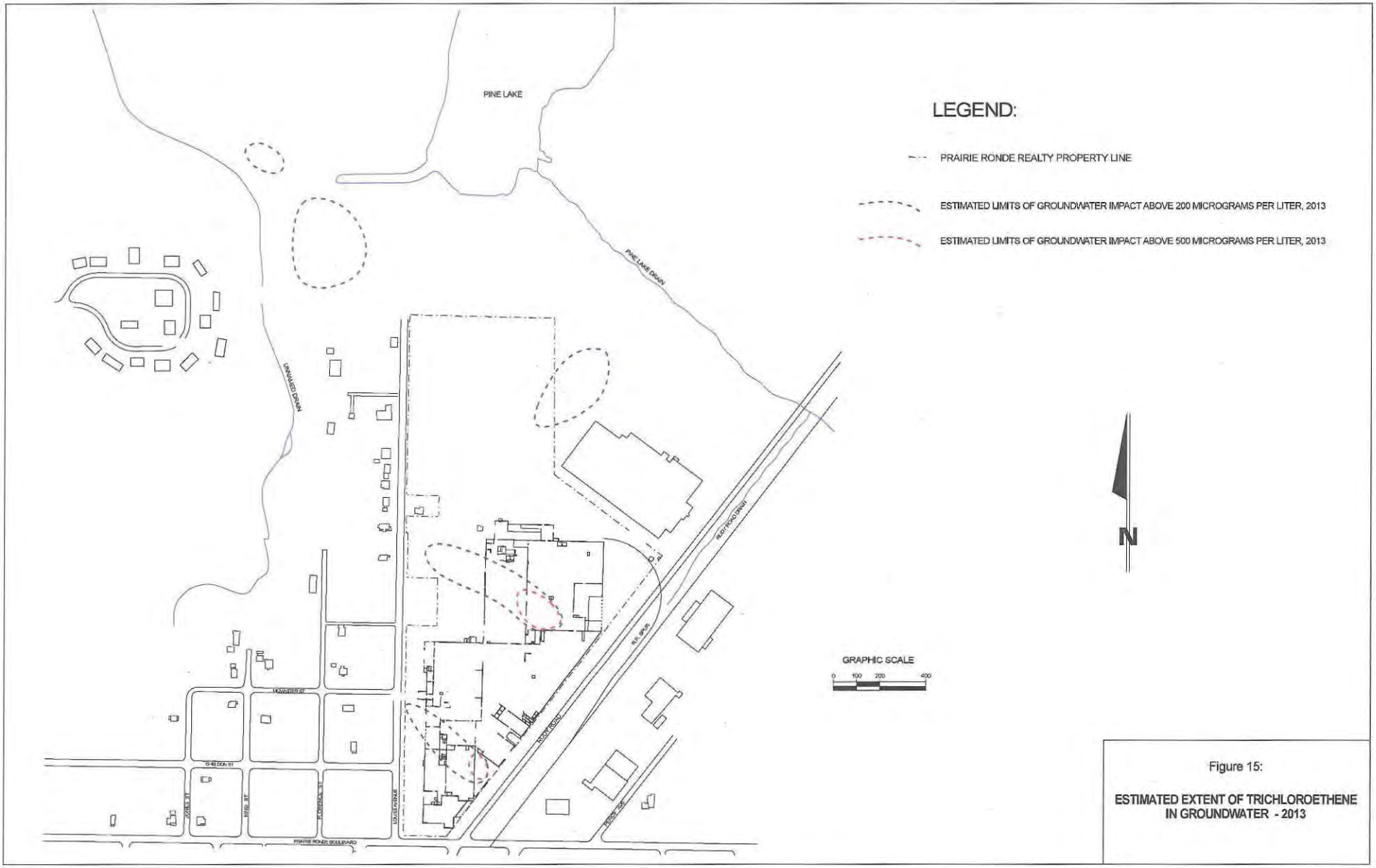

Figure 15:

ESTIMATED EXTENT OF TRICHLOROETHENE IN GROUNDWATER - 2013

US EPA ARCHIVE DOCUMENT

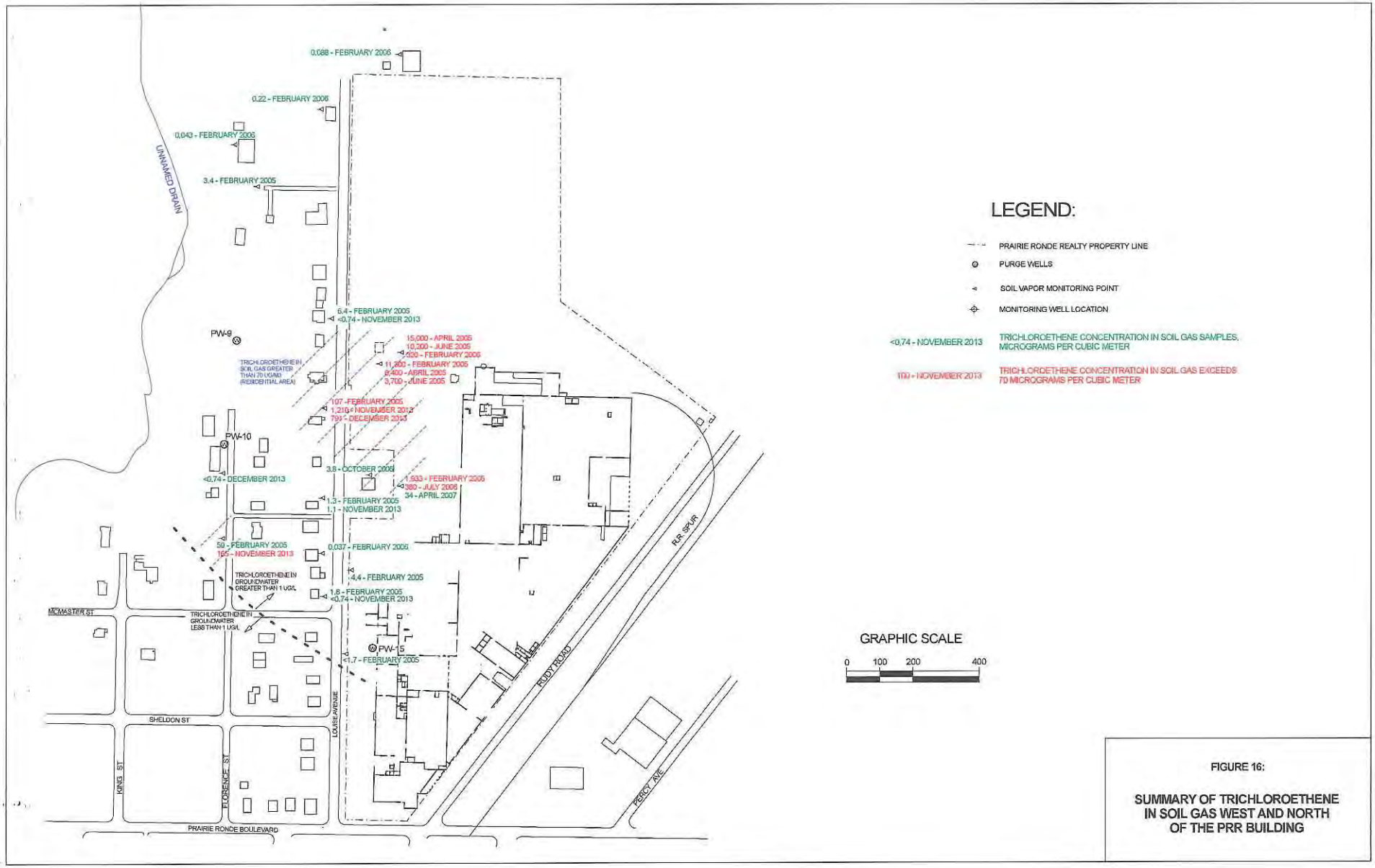

FIGURE 16:

SUMMARY OF TRICHLOROETHENE IN SOIL GAS WEST AND NORTH OF THE PRR BUILDING