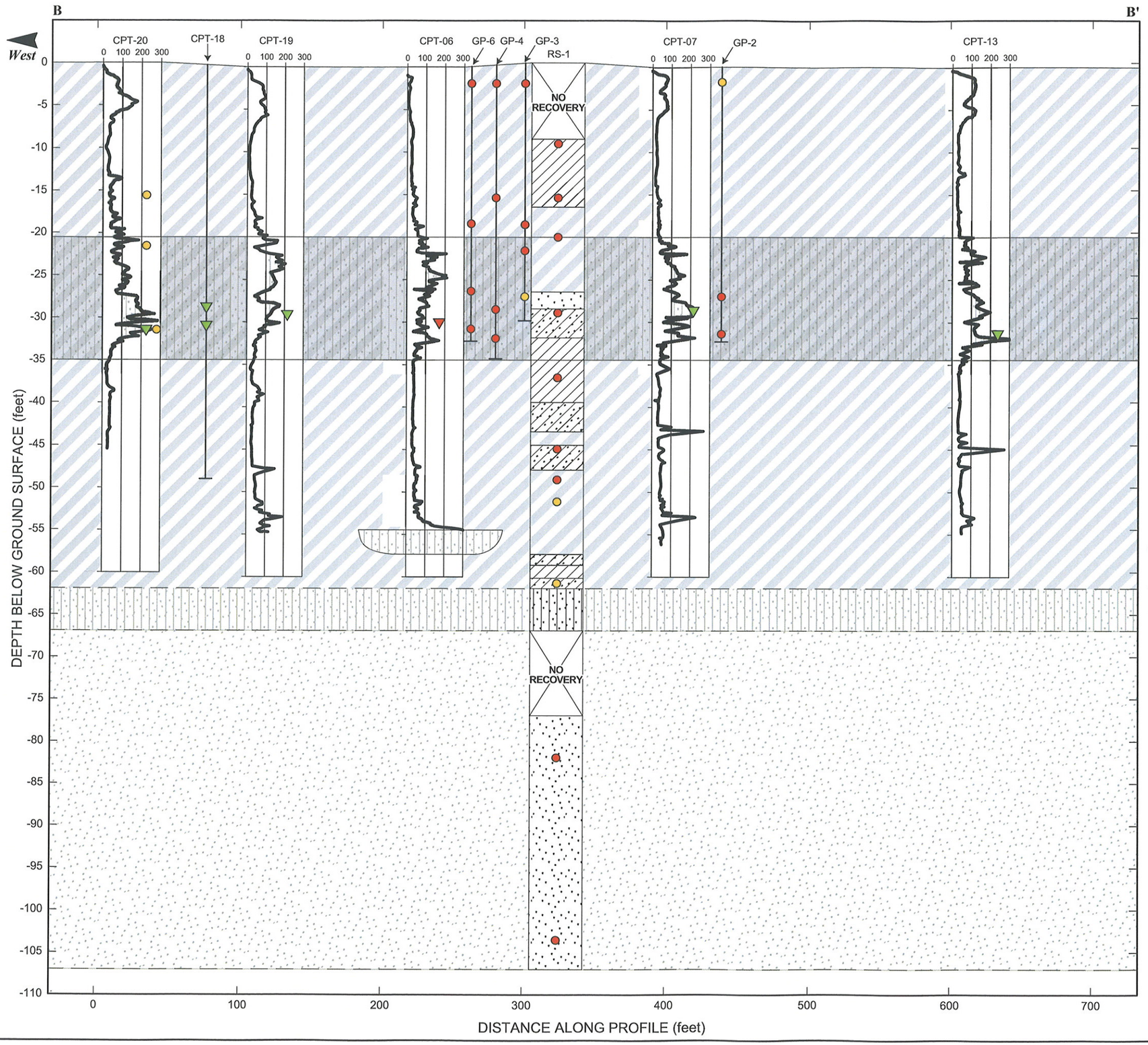
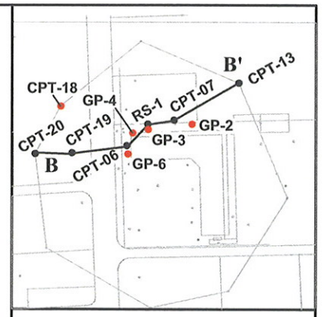


N

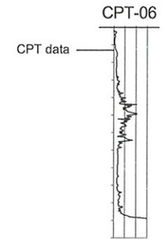
Lithology Graphics

- USCS Sand (SP)
- USCS High Plasticity Clay (CH)
- USCS Low Plasticity Clay (CL)
- USCS Clayey Sand (SC)
- USCS Silty Sand (SM)
- Interbedded Sand (SP), Silt (ML), and Silty Clay (CL)
- Tip Resistance (TSF)
- Lithology Boundary
- Approximate Lithology Boundary
- CPT Cone Penetration Test (analytical data from 8-9/2003)
- GP Geoprobe® (analytical data from 10/2003)
- RS Rotosonic (analytical data from 7/2006)
- PCE Concentration > 5 ppb In Soil
- PCE Concentration ≥ 0.5 ppb to ≤ 5 ppb In Soil
- PCE Concentration < 0.5 ppb In Soil
- PCE Concentration > 5 ppb In Groundwater
- PCE Concentration ≥ 0.5 ppb to ≤ 5 ppb In Groundwater
- PCE Concentration < 0.5 ppb In Groundwater

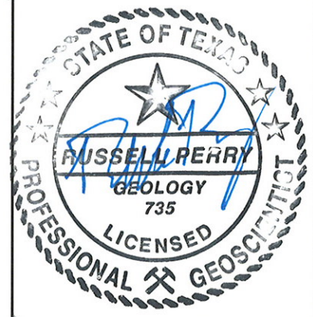


Site Map Scale 1 inch equals 385 feet

Explanation



Note: Soil samples collected below 25 feet bgs were within the saturated zone.



0 162

Horizontal Scale (feet)

Vertical Exaggeration: 3.5x

Figure 12
Source Area
Stratigraphic Cross Section B-B'
West-East Baseline

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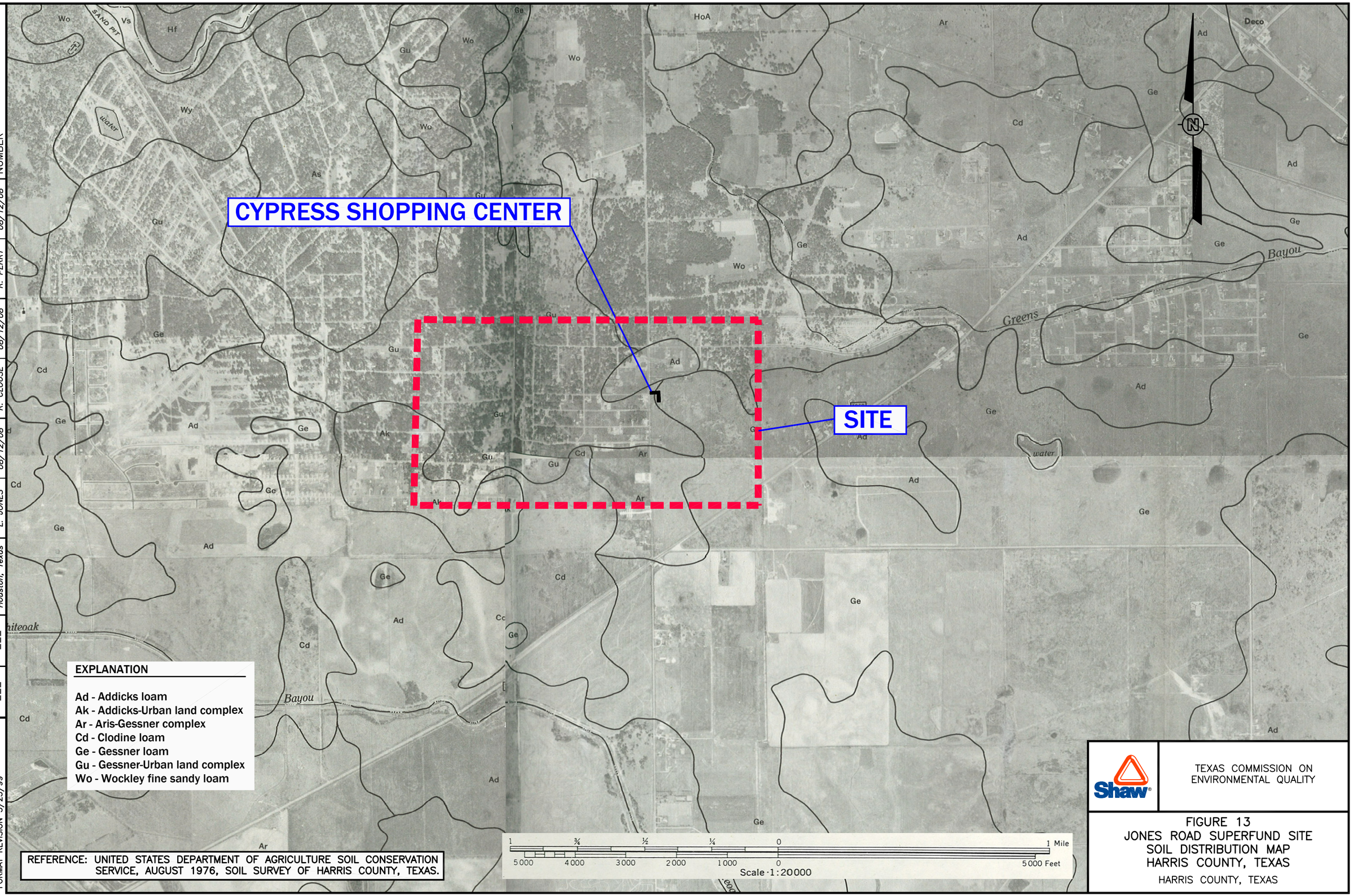
Jones Road Superfund Site
Harris County TX

JOB NUMBER	PLATE NUMBER
131429	Plate A-2

129389.1400 B49



REFERENCE: UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE, AUGUST 1976, SOIL SURVEY OF HARRIS COUNTY, TEXAS.

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FIGURE 13
JONES ROAD SUPERFUND SITE
SOIL DISTRIBUTION MAP
HARRIS COUNTY, TEXAS

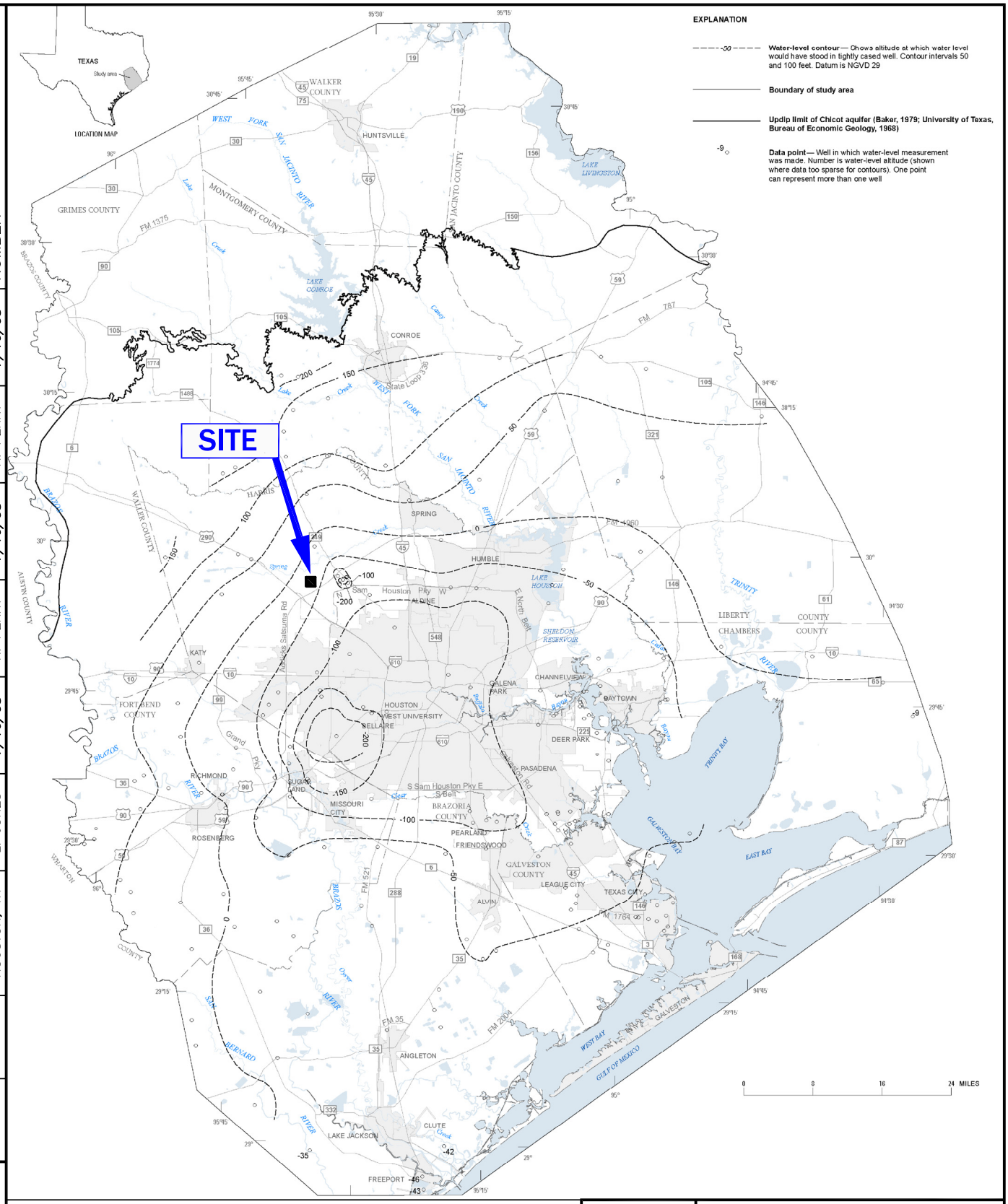
HARRIS COUNTY, TEXAS

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	Houston, Texas	L. JONES 08/12/08	R. CLOUSE 08/12/08	R. PERRY 08/12/08	129389-B10

PLOT DATE: 08/12/08/07/07
FORMAT REVISION 3/25/99

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	HOUSTON, TX	L. JONES 7/16/08	R. PERRY 7/16/08	R. PERRY 7/16/08	129389-A5

PLOT DATE: 7/16/08
FORMAT REVISION 9/17/02



REFERENCE:
U.S. DEPARTMENT ON THE INTERIOR
U.S. GEOLOGICAL SURVEY

SCIENTIFIC INVESTIGATIONS MAP 2968
APPROXIMATE WATER-LEVEL ALTITUDES,
CHICOT AQUIFER, 2007 SHEET 1 OF 18

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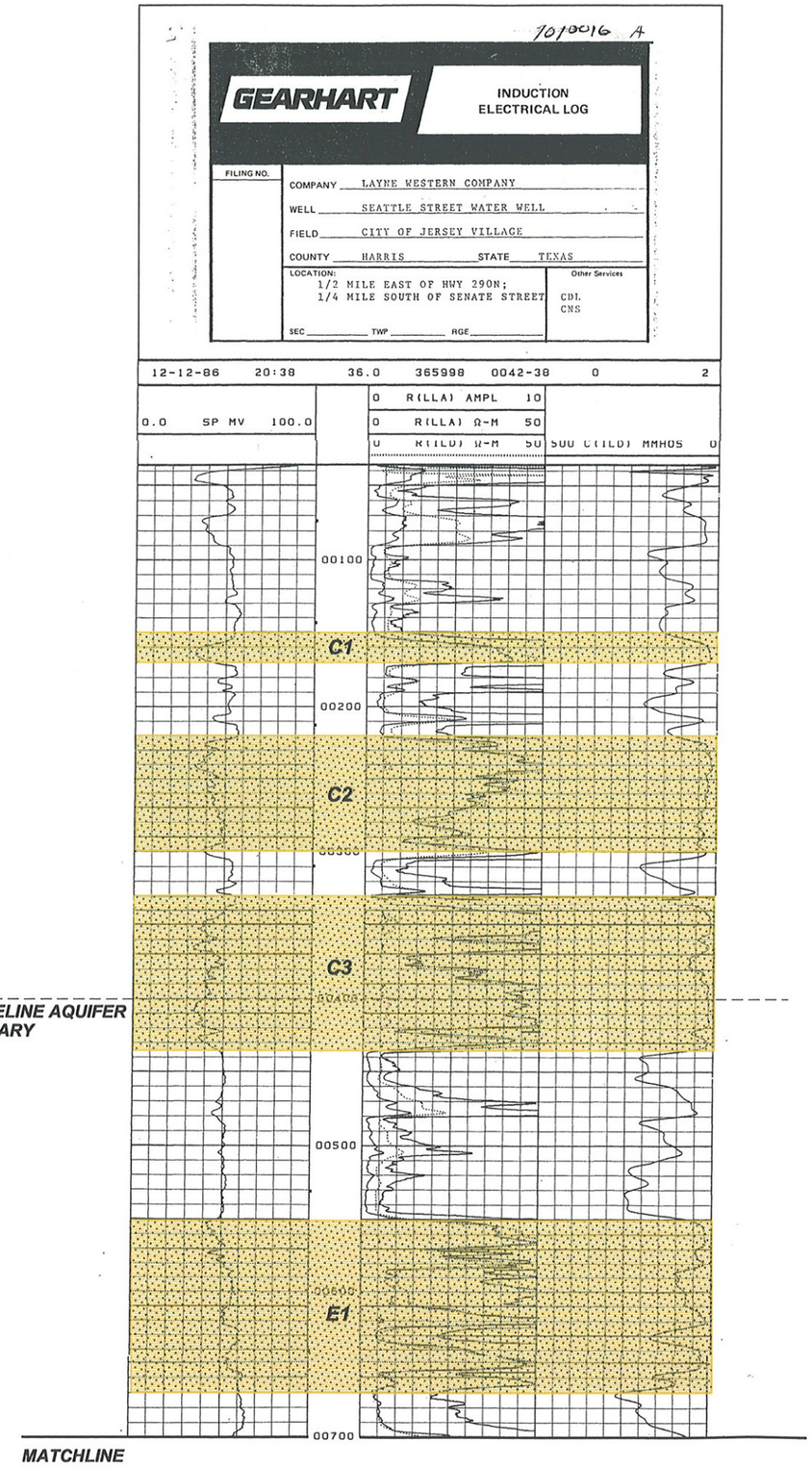
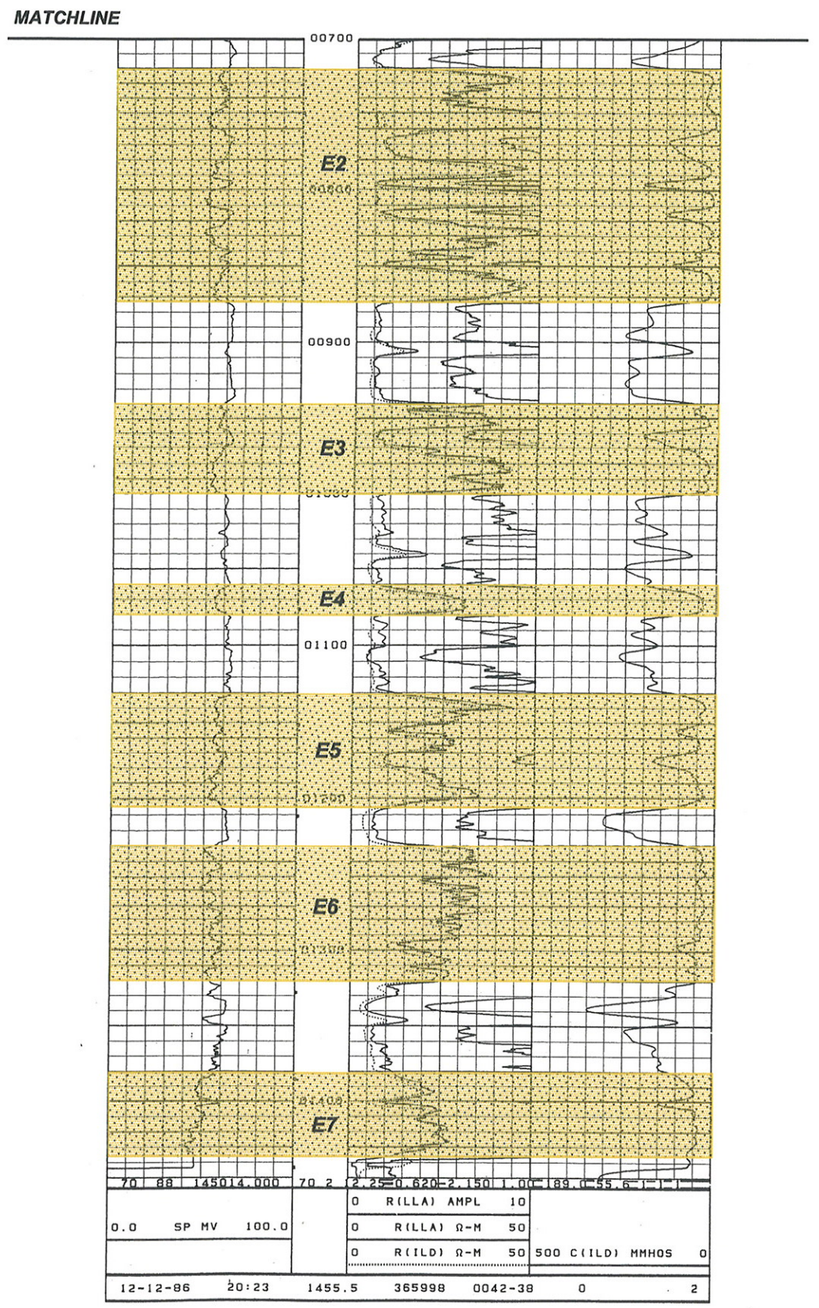
ENVIRONMENTAL QUALITY

FIGURE 14
APPROXIMATE WATER-LEVEL/ ALTITUDES IN THE CHICOT AQUIFER, HOUSTON/GALVESTON REGION, TEXAS JANUARY-MARCH 2007
HARRIS COUNTY, TEXAS

DRAWING NUMBER	APPROVED BY	CHECKED BY	DRAWN BY	OFFICE	X-REF	IMAGE
134515-B1	R. PERRY	A. GILCHRIEST	L. JONES	Houston, Texas	---	---
	---	---	01/28/09			

PLOT DATE: 01/28/09
FORMAT REVISION 3/25/99





REFERENCE:

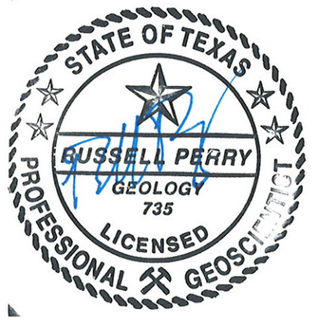
GEARHART: INDUCTION ELECTRICAL LOG
FOR LAYNE WESTERN COMPANY
CITY OF JERSEY VILLAGE HARRIS CO., TEXAS

NOTES:

1.) C1, C2, C3,... DENOTE WATER BEARING UNITS WITHIN THE THE CHICOT AQUIFER.

2.) E1, E2, E3,... DENOTE WATER BEARING UNITS WITHIN THE EVANGELINE AQUIFER.

3.) WELL LOG G1010016A PRESENTS TYPICAL WATER BEARING UNIT (WBU)/STRATIGRAPHIC DISTRIBUTIONS WITHIN THE CHICOT AND EVANGELINE AQUIFERS IN THE JONES ROAD AREA. THE WBUs ARE COMPRISED OF LATERALLY DISCONTINUOUS, FLUVIAL, NON-MARINE, SINUOUS SAND CHANNELS AND OVER BANK DEPOSITS. DUE TO THE DEPOSITIONAL ENVIRONMENT, THE VERTICAL DISTRIBUTION OF WBUs SHOWN ON WELL LOG G1010016A MAY NOT CORRELATE WITH OTHER WELL LOGS IN THE AREA.



SCALE AS SHOWN

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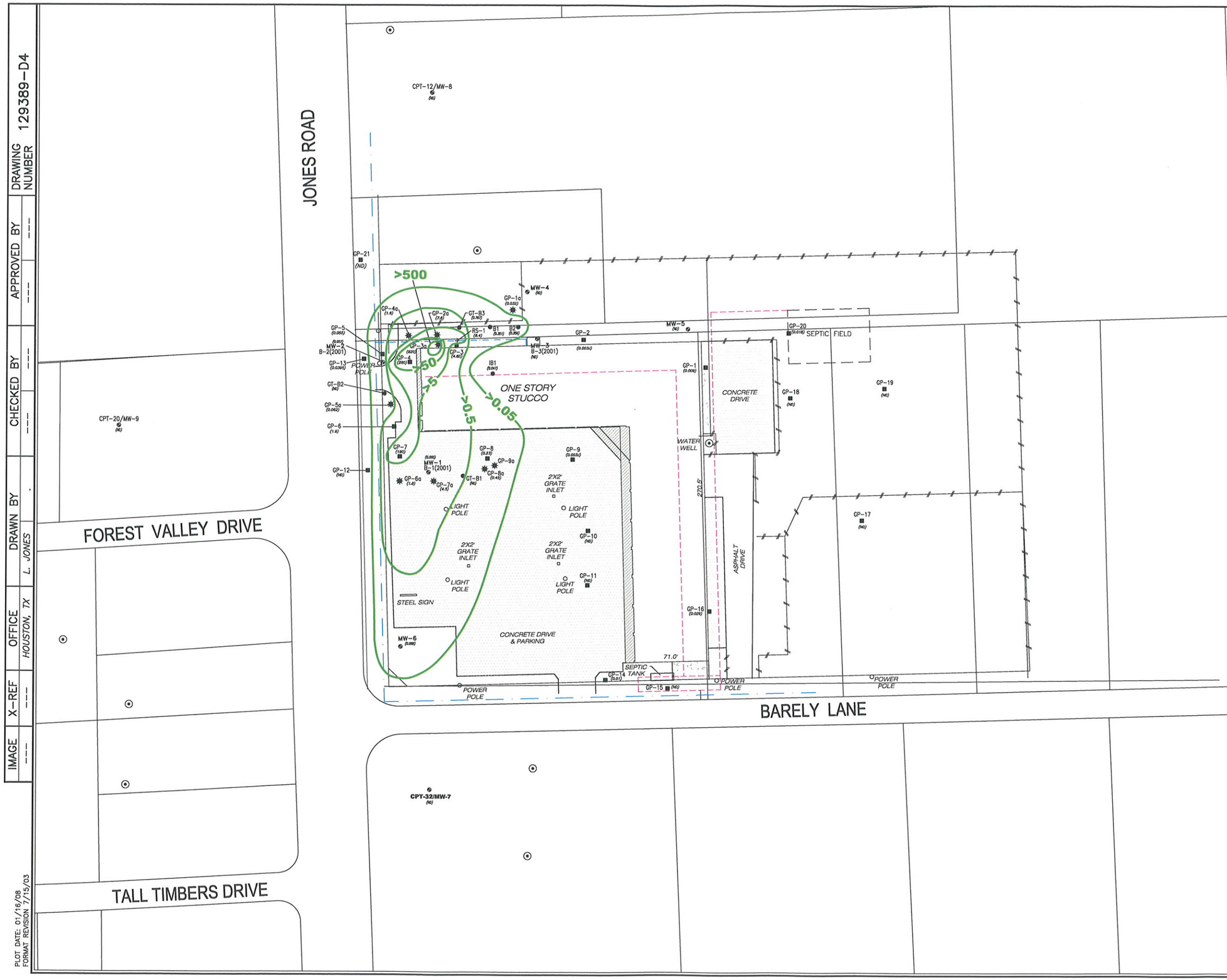
FIGURE 14A
ELECTRICAL LOG OF WELL
G1010016A
JONES ROAD SUPERFUND SITE
HARRIS COUNTY, TEXAS



LEGEND:

- MW-3 MONITOR WELL LOCATION
- GP-8 GEO-PROBE (OCTOBER 2003)
- GP-7a GEO-PROBE (JULY 2006)
- B2 SOIL BORING LOCATION (JULY, NOVEMBER 2001)
- RS-1 CHICOT ROTOSONIC WELL LOCATION (JULY 2006)
- WATER WELL LOCATION
- PCE IN SOIL CONCENTRATION CONTOUR (mg/kg)
- SEPTIC SYSTEM
- STORM SEWER

NOTES:

1. LOCATION GP-9a WAS ONLY TESTED FOR SOIL PROPERTIES.
2. ALL CONCENTRATIONS ARE IN MILLIGRAMS PER KILOGRAMS (mg/kg).

STATE OF TEXAS
RUSSELL PERRY
GEOLOGY
735
LICENSED
PROFESSIONAL GEOSCIENTIST

SCALE
0 40 80 120 FEET

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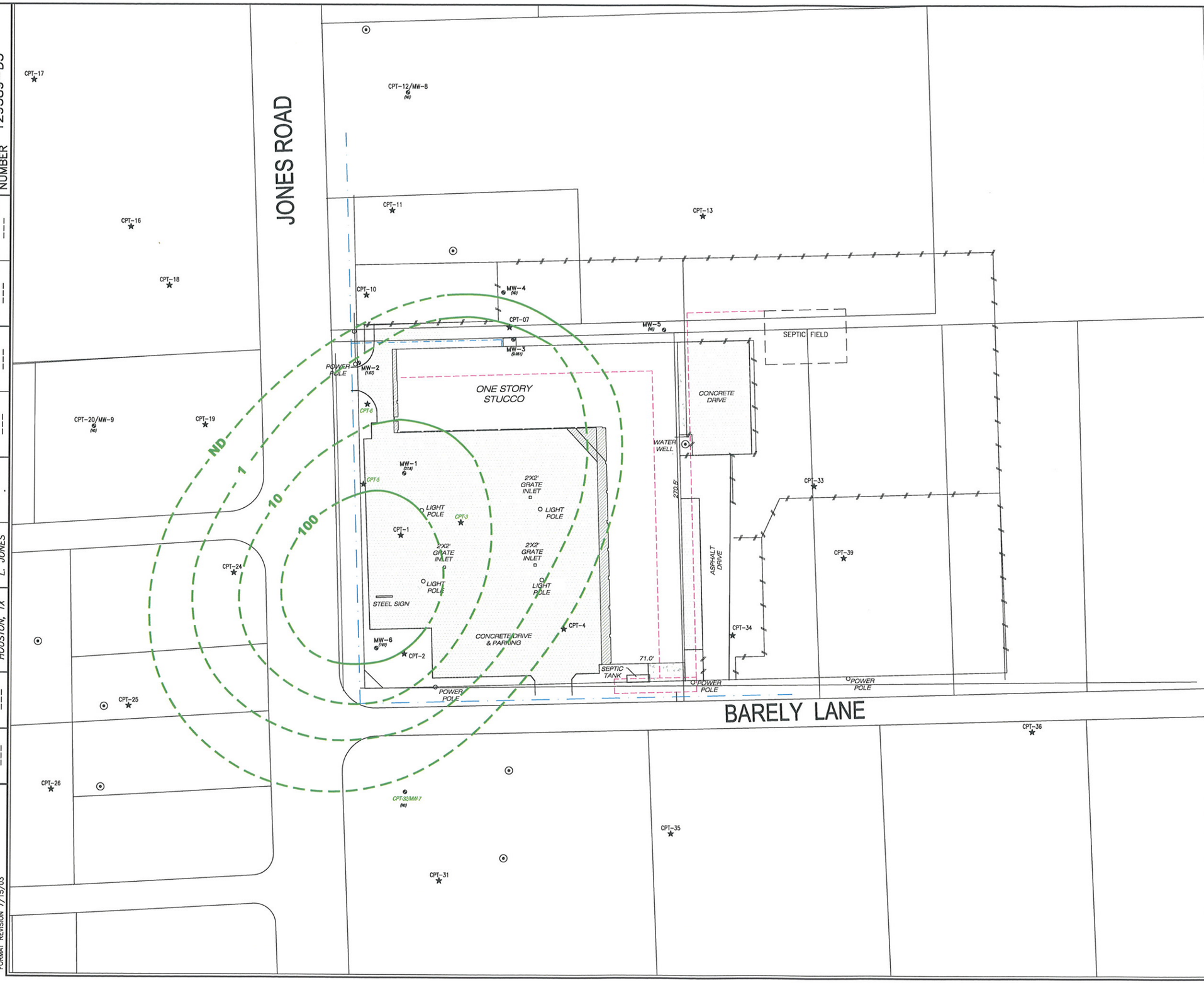
FIGURE 15
DISTRIBUTION OF PCE IN (<50') SOURCE AREA SOILS
11600 JONES ROAD
HARRIS COUNTY, TEXAS

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	HOUSTON, TX	L. JONES	---	---	129389-D4

PLOT DATE: 01/16/08
FORMAT REVISION 7/15/03



EXPLANATION:

CPT-07 ★ CPT LOCATION

MW-3 MONITOR WELL LOCATION

WATER WELL LOCATION

PCE ISOCONCENTRATION CONTOUR (ppb) (DASHED WHERE INFERRED)

SEPTIC SYSTEM

STORM SEWER

NOTES:

1. ALL CONCENTRATIONS ARE IN MICROGRAMS PER LITER (ug/L).

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GEOLOGY
735
LICENSED
PROFESSIONAL GEOSCIENTIST

SCALE
0 40 80 120 FEET

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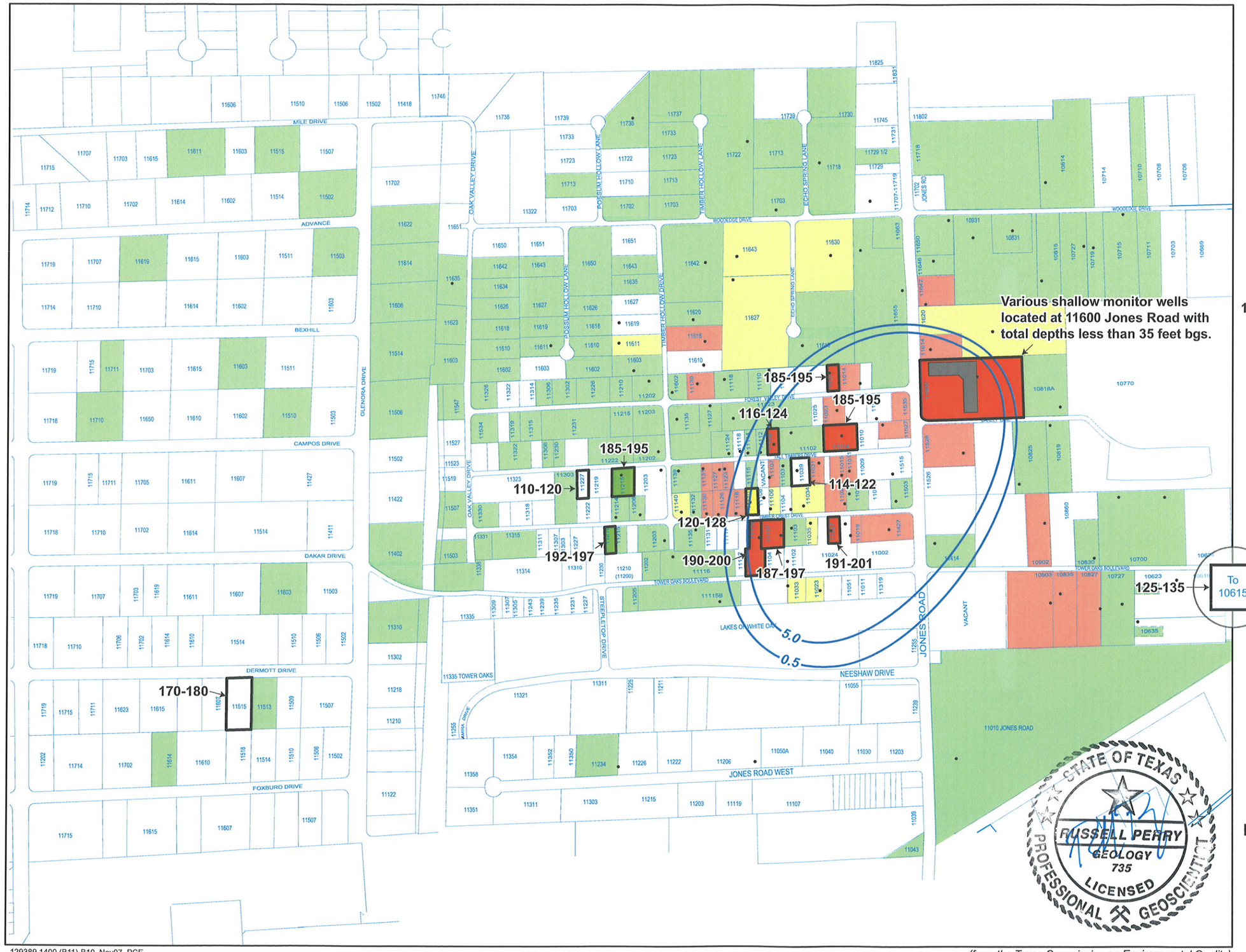
FIGURE 16
DISTRIBUTION OF PCE IN SHALLOW (<35') GROUNDWATER – FEBRUARY 2008
11600 JONES ROAD
HARRIS COUNTY, TEXAS

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	HOUSTON, TX	L. JONES	---	---	129389-D3

PLOT DATE: 01/16/08
FORMAT REVISION 7/15/03



129389.1400 (B11)-B10_Nov07_PCE

(from the Texas Commission on Environmental Quality)

Figure 17
PCE Concentrations in Groundwater
Lots with Well Depths < 200 Feet
Below Ground Surface

November 2007
Jones Road Groundwater Plume
Superfund Site
Harris County, Texas