# TABLES

**Table 1**
**Sub-Slab Soil Gas Comparison Levels[1]**
**DuPont Pompton Lakes Works**
**Pompton Lakes, New Jersey**

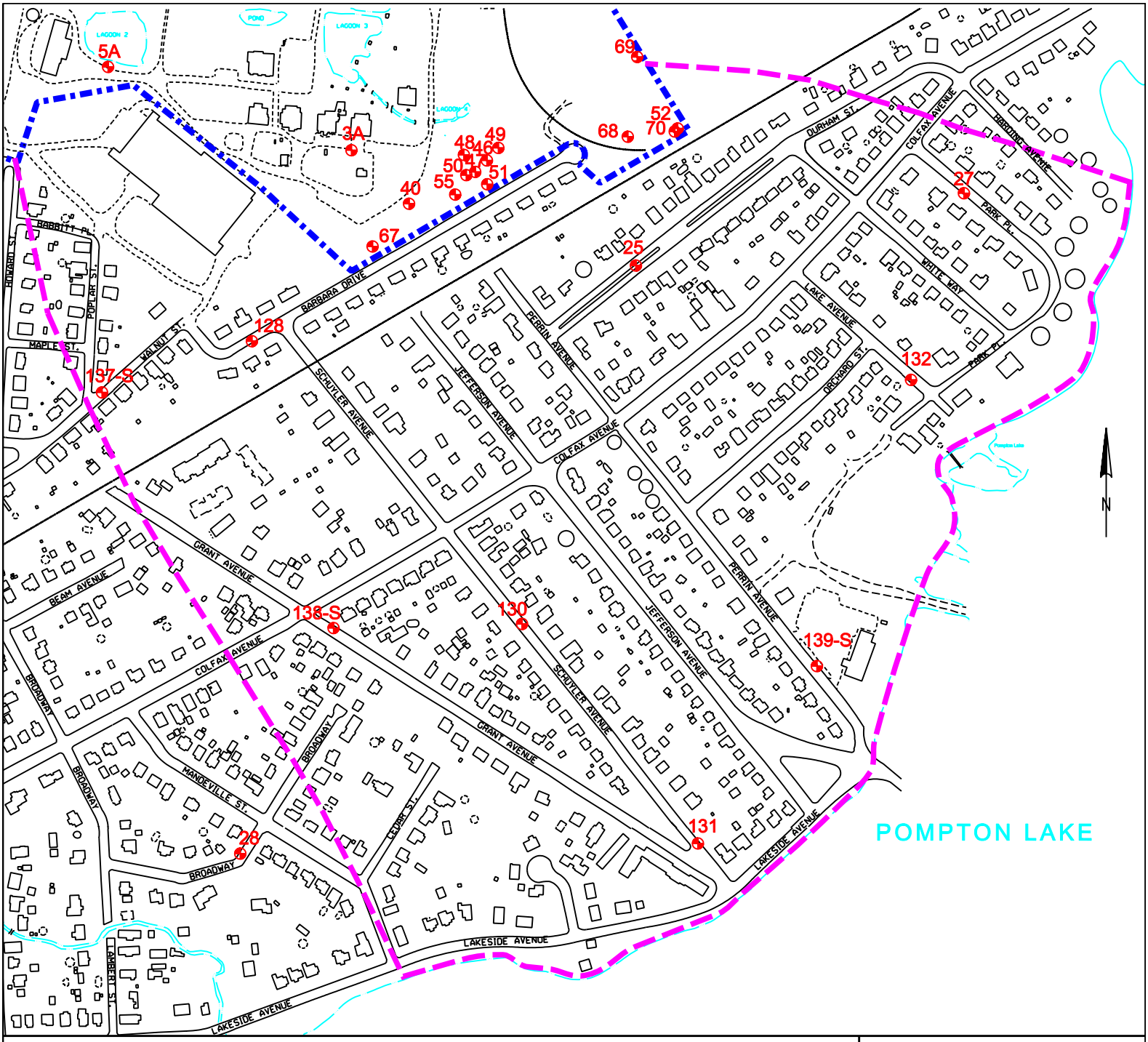
| Constituents of Concern | Sub-Slab Soil Gas (ppbv) | Sub-Slab Soil Gas (µg/m$^3$) |
|---|---|---|
| PCE[2] | 2 | 16 |
| TCE[2] | 2 | 11 |
| cis-1,2-DCE[3] | 88 | 350 |
| trans-1,2-DCE[3] | 180 | 700 |
| 1,1-DCE[3] | 500 | 2,000 |
| 1,1,1-TCA[3] | 4,000 | 22,000 |
| 1,1-DCA[3] | 1,200 | 5,000 |
| 1,2-DCA[2] | 2 | 8 |
| VC[2] | 2 | 5 |
| Carbon Tet[2] | 2 | 13 |

(1) It is important to note that guidance on the evaluation of the vapor intrusion pathway continues to be developed. As discussed in the NJDEP's 2005 VIG, the USEPA draft Subsurface Vapor Intrusion Guidance uses a shallow soil gas-to-indoor air attenuation factor of 0.1 based on the information available in the USEPA Vapor Intrusion Database when the 2002 USEPA guidance was drafted. USEPA's current reevaluation of the database, which includes additional empirical data, suggests that a reduced attenuation factor may be more appropriate in the development of shallow/sub-slab soil screening levels (NJDEP 2005; USEPA 2005, 2006, 2007, 2008). Based on more recent information, the NJDEP selected an attenuation factor of 0.02 in the development of its health-based soil gas screening levels. Since the USEPA 2002 draft guidance has not yet been updated, DuPont proposes to use the USEPA screening levels for five constituents as indicated in the table, because they are more conservative (lower) than the current NJDEP screening levels, recognizing that the NJDEP screening levels are based on more recent information and that the state of the science continues to advance.

(2) NJDEP anticipated residential screening levels for soil gas (NJDEP, 2007).

(3) USEPA draft generic screening level for shallow soil gas (USEPA, 2002).

# FIGURES




## LEGEND

SCALE: 1-inch = 425-feet

OPEN WATERS
PLANT BOUNDARY
RIVER AND CREEK
ROADS

RAIL ROAD LINES
CEA BOUNDARY
Shallow Well

MAPPER: M.E. Vetter
DATE: June 9, 2008
DRAWING: Fig1-VI_wells.dgn

OFF-SITE SHALLOW WELL LOCATIONS and CEA BOUNDARY

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POMPTON LAKES, NEW JERSEY

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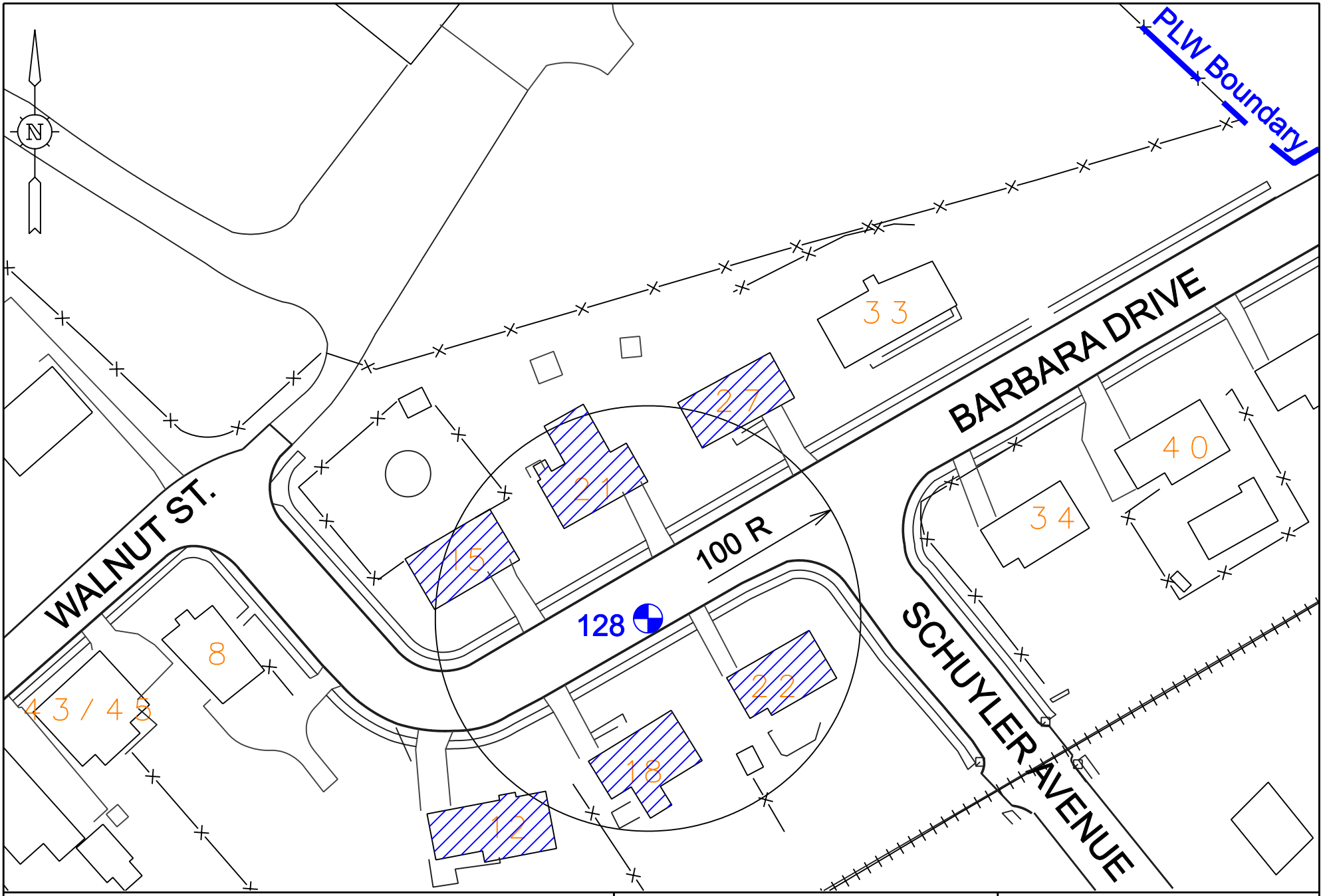
FIGURE 1




LEGEND:

0' 60'

SCALE: 1-inch = 60-feet

MAPPER: M.E. Vetter
DATE: June 9, 2008
DRAWING: Fig2_MW128-subslab.dgn

Shallow Well
Fence
Road
Paved Surface
Railroad

Sub-Slab Sampling Locations

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# WELL 128 VICINITY MAP AND SUB-SLAB SAMPLING LOCATIONS

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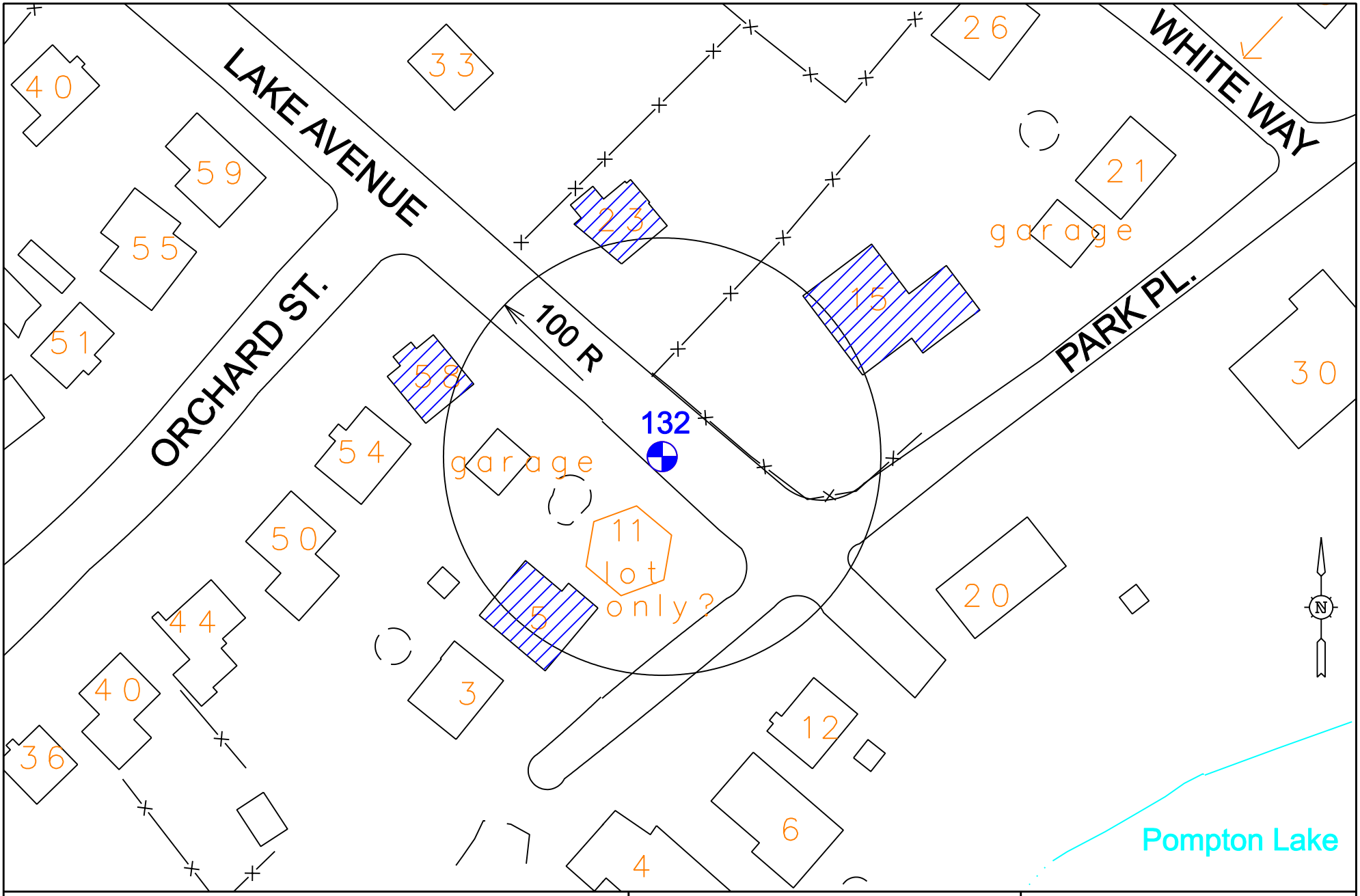
POMPTON LAKES, NEW JERSEY

FIGURE 2




LEGEND:

0' 60'

SCALE: 1-inch = 60-feet

MAPPER: M.E. Vetter
DATE: May 22, 2008
DRAWING: Fig3_MW132-subslab.dgn

Shallow Well

Fence

Road

58 Sub-Slab Sampling Locations

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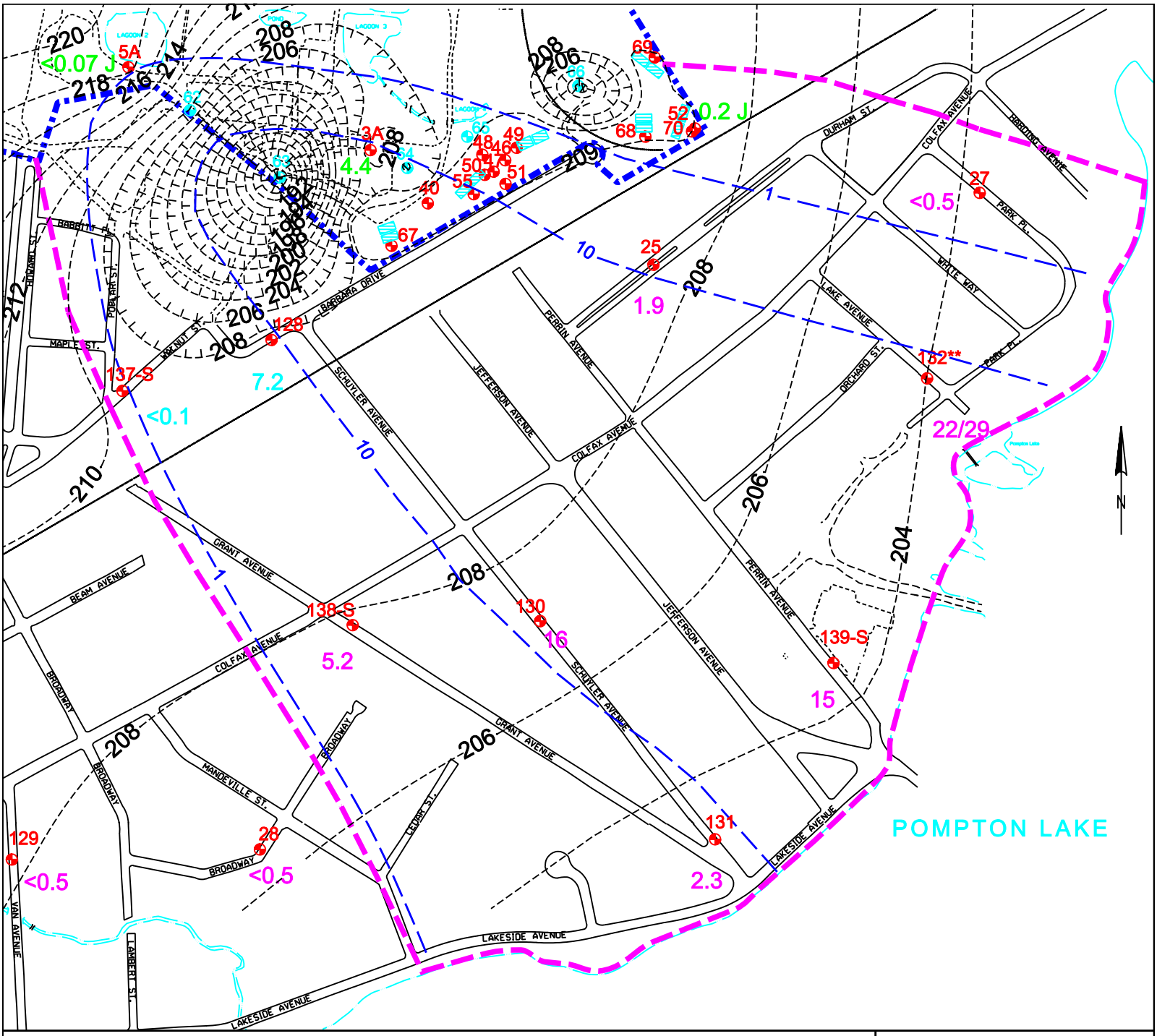
WELL 132 VICINITY MAP AND
SUB-SLAB SAMPLING LOCATIONS

DUPONT POMPTON LAKES WORKS
POMPTON LAKES, NEW JERSEY

FIGURE 3




## LEGEND

SCALE: 1-inch = 425-feet

OPEN WATERS
PLANT BOUNDARY
RIVER AND CREEK
ROADS
RAIL ROAD LINES
CEA BOUNDARY

PCE Isoconcentration Contour Line
Groundwater Elevation Contour Line
Feb 19, 2008
Groundwater Infiltration Bed
Recovery Well
Shallow Well
1.9 PCE (ug/L) Mar 6, 2008
1.9 PCE (ug/L) May 7, 2008
1.9 PCE (ug/L) Nov 28-29, 2007

MAPPER: M.E. Vetter
DATE: June 9, 2008
DRAWING: Fig4-PCE_Mar-May08.dgn

PCE Shallow Groundwater Results and Isoconcentration Contours (March/May 2008)

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POMPTON LAKES, NEW JERSEY

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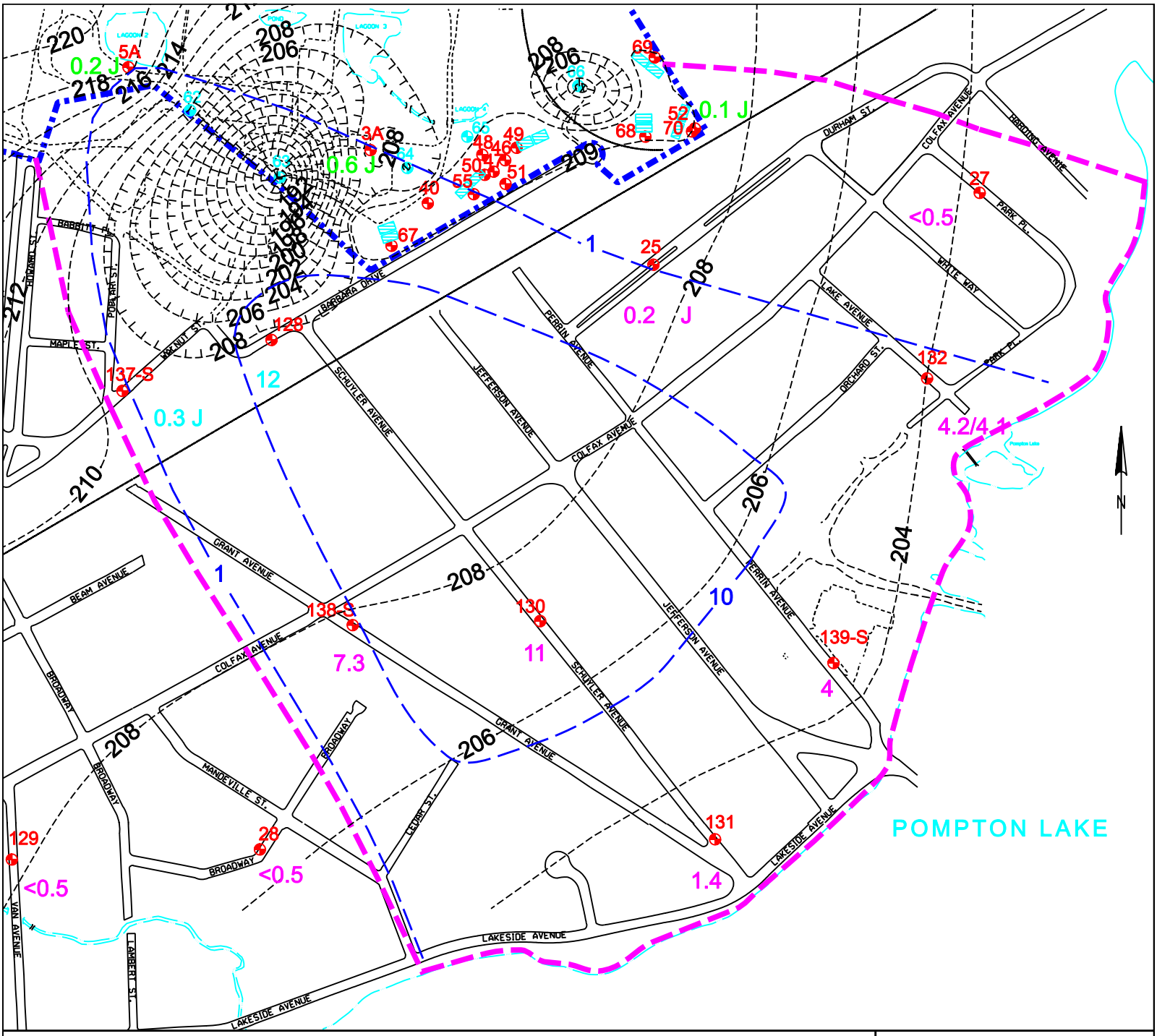
FIGURE 4




## LEGEND

SCALE: 1-inch = 425-feet

OPEN WATERS
PLANT BOUNDARY
RIVER AND CREEK
ROADS

RAIL ROAD LINES
CEA BOUNDARY

TCE Isoconcentration Contour Line
Groundwater Elevation Contour Line
Feb 19, 2008
Groundwater Infiltration Bed
Recovery Well
Shallow Well

7.3 TCE (ug/L) Mar 6, 2008
7.3 TCE (ug/L) May 7, 2008
7.3 TCE (ug/L) Nov 28-29, 2007

MAPPER: M.E. Vetter
DATE: June 9, 2008
DRAWING: Fig5-TCE_Mar-May08.dgn

TCE Shallow Groundwater Results
and Isoconcentration Contours
(March/May 2008)

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POMPTON LAKES, NEW JERSEY

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FIGURE 5

Jun 10, 2008 - 1:52pm

# POTENTIAL VAPOR MIGRATION AREA AND EXPANDED INVESTIGATION AREA

LEGEND

- PROPERTY BOUNDARY
- 1 ug/L GROUNDWATER CONTOUR BOUNDARY (COMBINED PCE/TCE)
- POTENTIAL VAPOR MIGRATION AREA
- EXPANDED INVESTIGATION AREA
- TEMPORARY WELL LOCATION (WELL ID)
- MONITORING WELL (WELL ID)

1"=200' 200 0 200 400

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Figure 6

| SCALE | DESIGNED BY | DRAWN BY | CAD DRAWING NO |
|---|---|---|---|
| 1-In=200-ft | - | - | Fig6_rev3_w aerial.dwg |
| DATE | CHECKED | APPROVED | PROJECT NO |
| 5/20/08 | - | - | 7026 |

DUPONT POMPTON LAKES WORKS
Pompton Lakes, New Jersey

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Jun 13, 2008 - 10:57am

# MITIGATION SECTORS

LEGEND

- PROPERTY BOUNDARY
- 1 ug/L GROUNDWATER CONTOUR BOUNDARY (COMBINED PCE/TCE)
- MITIGATION SECTOR "A"
- FUTURE SECTORS
- EXPANDED INVESTIGATION AREA
- TEMPORARY WELL LOCATION (WELL ID)
- MONITORING WELL (WELL ID)

1"=200' 200 0 200 400

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Pompton Lakes, New Jersey 07442

Figure 8

| SCALE | DESIGNED BY | DRAWN BY | CAD DRAWING NO |
|---|---|---|---|
| 1-In=200-ft | - | - | Fig8_rev3_w aerial.dwg |
| DATE | CHECKED | APPROVED | PROJECT NO |
| 5/20/08 | - | - | 7026 |

DUPONT POMPTON LAKES WORKS
Pompton Lakes, New Jersey

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