LEGEND:

- 327 — ABOVEGROUND STORAGE TANK
- 301 — FORMER ABOVEGROUND STORAGE TANK
- MW-0054 — ACTIVE MONITORING WELL, RECOVERY WELL, OR PIEZOMETER ("GW MONITORING LOCATION")
- 71.8 — SECOND HALF 2007 TOTAL ALKALINITY CONCENTRATION (mg/L $CaCO_3$) IN A SHALLOW WELL. SHALLOW WELLS ARE SCREENED ABOVE THE CONFINING LAYER OF THE SITE.
- 5.38 — SECOND HALF 2007 PH IN A SHALLOW WELL. SHALLOW WELLS ARE SCREENED ABOVE THE CONFINING LAYER OF THE SITE.

GROUNDWATER ALKALINITY DISTRIBUTION BASED ON SECOND HALF 2007 MONITORING DATA:

- 100–1,000 mg/L $CaCO_3$ (TOTAL ESTIMATED AREAL EXTENT ~ 576,088 square yds.)
- 1,000 mg/L $CaCO_3$ (TOTAL ESTIMATED AREAL EXTENT ~ 20,508 square yds.)
- TEL — FORMER TEL BURIAL AREA

GROUNDWATER PH DISTRIBUTION BASED ON SECOND HALF 2007 MONITORING DATA:

- 9–10 (TOTAL ESTIMATED AREAL EXTENT ~ 11,559 square yds.)
- 8–9 (TOTAL ESTIMATED AREAL EXTENT ~ 1,279 square yds.)
- 7–8 (TOTAL ESTIMATED AREAL EXTENT ~ 272 square yds.)
- 7
- 6–7 (TOTAL ESTIMATED AREAL EXTENT ~ 148,857 square yds.)
- 5–6 (TOTAL ESTIMATED AREAL EXTENT ~ 15,605 square yds.)
- 4–5 (TOTAL ESTIMATED AREAL EXTENT ~ 1,324 square yds.)
- 3–4

NOTES:

1. ESTIMATED AREAL EXTENT OF GROUNDWATER ALKALINITY CONCENTRATION AND PH ARE BASED ON THE CONTOURED AREA WITHIN THE PROPERTY LIMITS.
2. ALKALINITY CONCENTRATION AND pH TRENDS ARE INCLUDED FOR MONITORING WELLS WITH FOUR OR MORE HISTORICAL DATA POINTS.

CHEVRON PRODUCTS COMPANY
PERTH AMBOY, NEW JERSEY
CORRECTIVE MEASURES STUDY

SECOND HALF 2007 GROUNDWATER ALKALINITY AND PH DISTRIBUTION

Chevron
Asphalt
Perth Amboy

DATE: 8/15/08
URS JOB NO: 11130491

FIGURE 14

K:\CONWORK\CHEVRON\CMS Reports\CAD\ Figures\PH_ALK\PH_Alkalinity FIG 14.dwg, Layout1 (2), 12/12/2008 2:10:49 PM