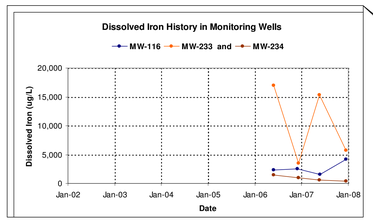

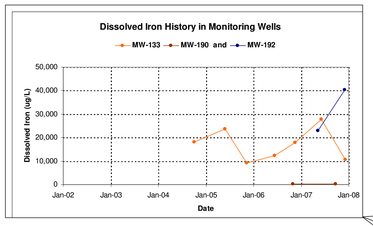

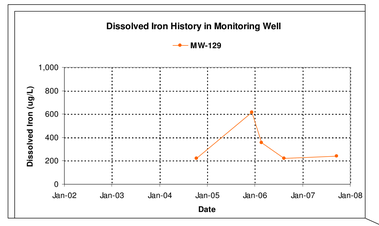

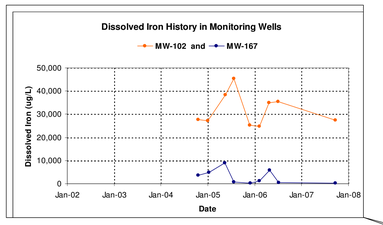

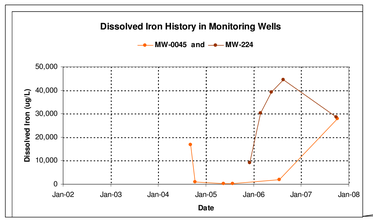

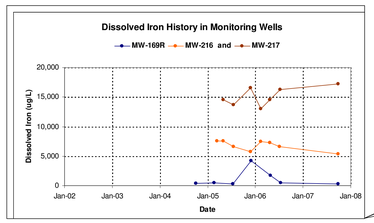

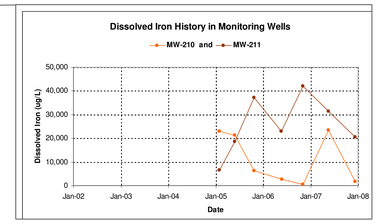

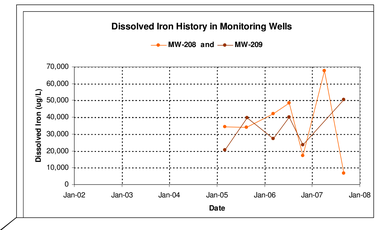

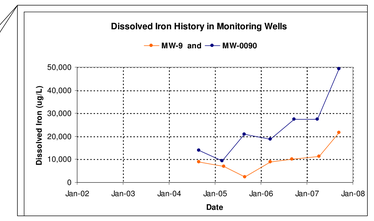

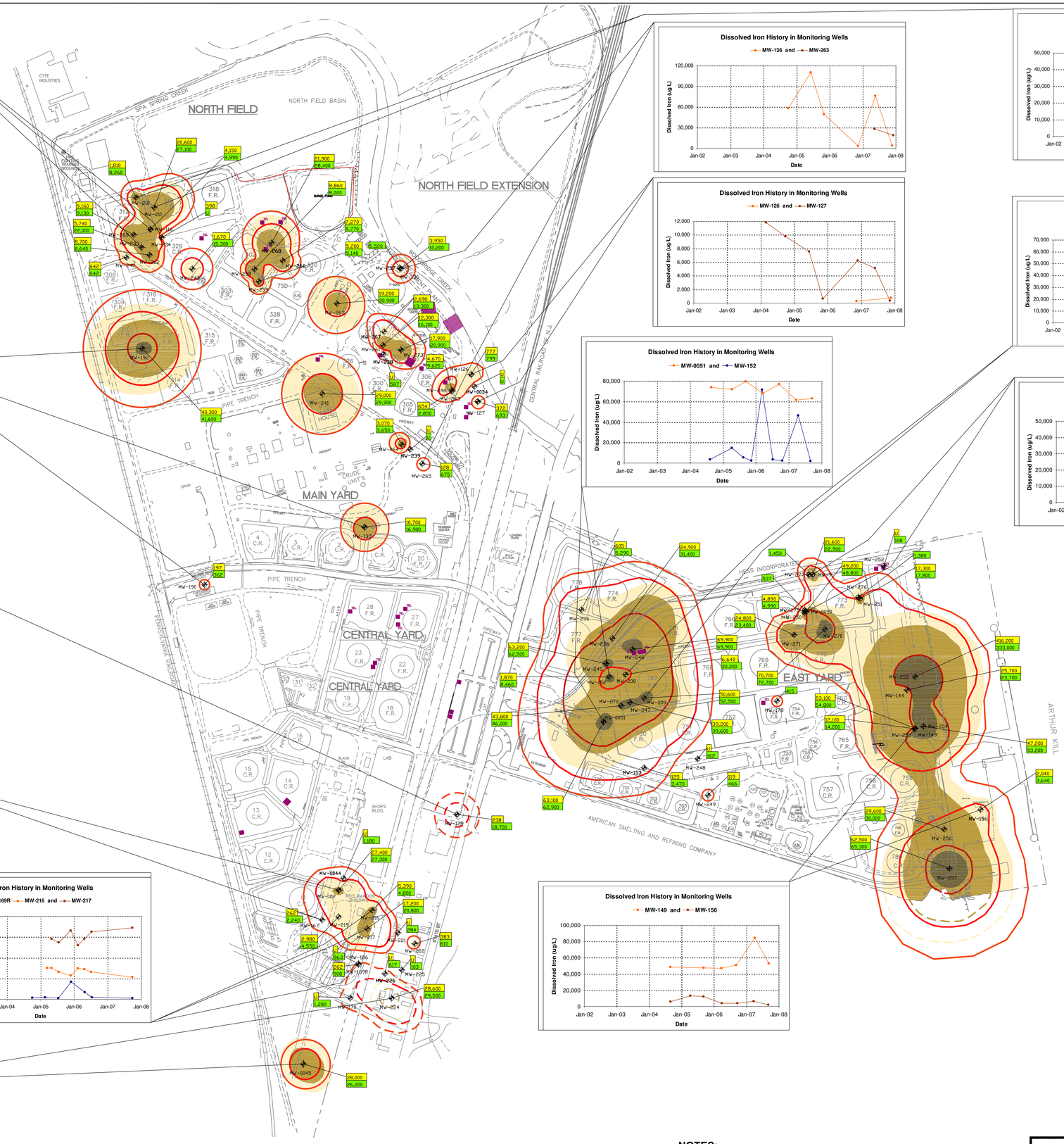

GRAPHIC SCALE IN FEET

200 100 0 200 400

LEGEND:

- 327 — ABOVEGROUND STORAGE TANK
- 301 — FORMER ABOVEGROUND STORAGE TANK
- MW-0054 — ACTIVE MONITORING WELL, RECOVERY WELL, OR PIEZOMETER ("GW MONITORING LOCATION")
- 1,060 — SECOND HALF 2007 DISSOLVED IRON CONCENTRATION (ug/L) IN A SHALLOW WELL. SHALLOW WELLS ARE SCREENED ABOVE THE CONFINING LAYER OF THE SITE.
- 519 — SECOND HALF 2007 TOTAL IRON CONCENTRATION (ug/L) IN A SHALLOW WELL. SHALLOW WELLS ARE SCREENED ABOVE THE CONFINING LAYER OF THE SITE.

GROUNDWATER DISSOLVED IRON DISTRIBUTION BASED ON SECOND HALF 2007 MONITORING DATA:

- 300–3,000 ug/L (TOTAL ESTIMATED AREAL EXTENT ~ 140,320 square yds.)
- 3,000–30,000 ug/L (TOTAL ESTIMATED AREAL EXTENT ~ 124,871 square yds.)
- >30,000 ug/L (TOTAL ESTIMATED AREAL EXTENT ~ 15,349 square yds.)

GROUNDWATER TOTAL IRON DISTRIBUTION BASED ON SECOND HALF 2007 MONITORING DATA:

- 300–3,000 ug/L (TOTAL ESTIMATED AREAL EXTENT ~ 191,353 square yds.)
- 3,000–30,000 ug/L (TOTAL ESTIMATED AREAL EXTENT ~ 188,679 square yds.)
- >30,000 ug/L (TOTAL ESTIMATED AREAL EXTENT ~ 51,362 square yds.)

TEL — FORMER TEL BURIAL AREA

NOTES:

1. FOR THE PURPOSES OF CONTOURING THE IRON DATA, LOCATIONS WHERE THE CONCENTRATION WAS NON-DETECT HAVE BEEN ASSIGNED A VALUE OF ONE-HALF THE METHOD DETECTION LIMIT AND LABELED WITH U=UNDETECTED.
2. ESTIMATED AREAL EXTENT OF IRON CONCENTRATIONS IN GROUNDWATER ARE BASED ON THE CONTOURED AREA WITHIN THE PROPERTY LIMITS.
3. DISSOLVED IRON CONCENTRATION TRENDS ARE INCLUDED FOR MONITORING WELLS WITH THREE OR MORE HISTORICAL DATA POINTS.

CHEVRON PRODUCTS COMPANY
PERTH AMBOY, NEW JERSEY
CORRECTIVE MEASURES STUDY

SECOND HALF 2007 GROUNDWATER IRON DISTRIBUTION

Chevron
Asphalt
Perth Amboy

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

FIGURE 17

K:\CRAM\ORDER\HERON\365 Report\CADD Figures\Rpt_Figures\Rpt_Figure\Rpt_FIGURE 17.dwg, Layout1 (2), 12/11/2008 4:45:14 PM