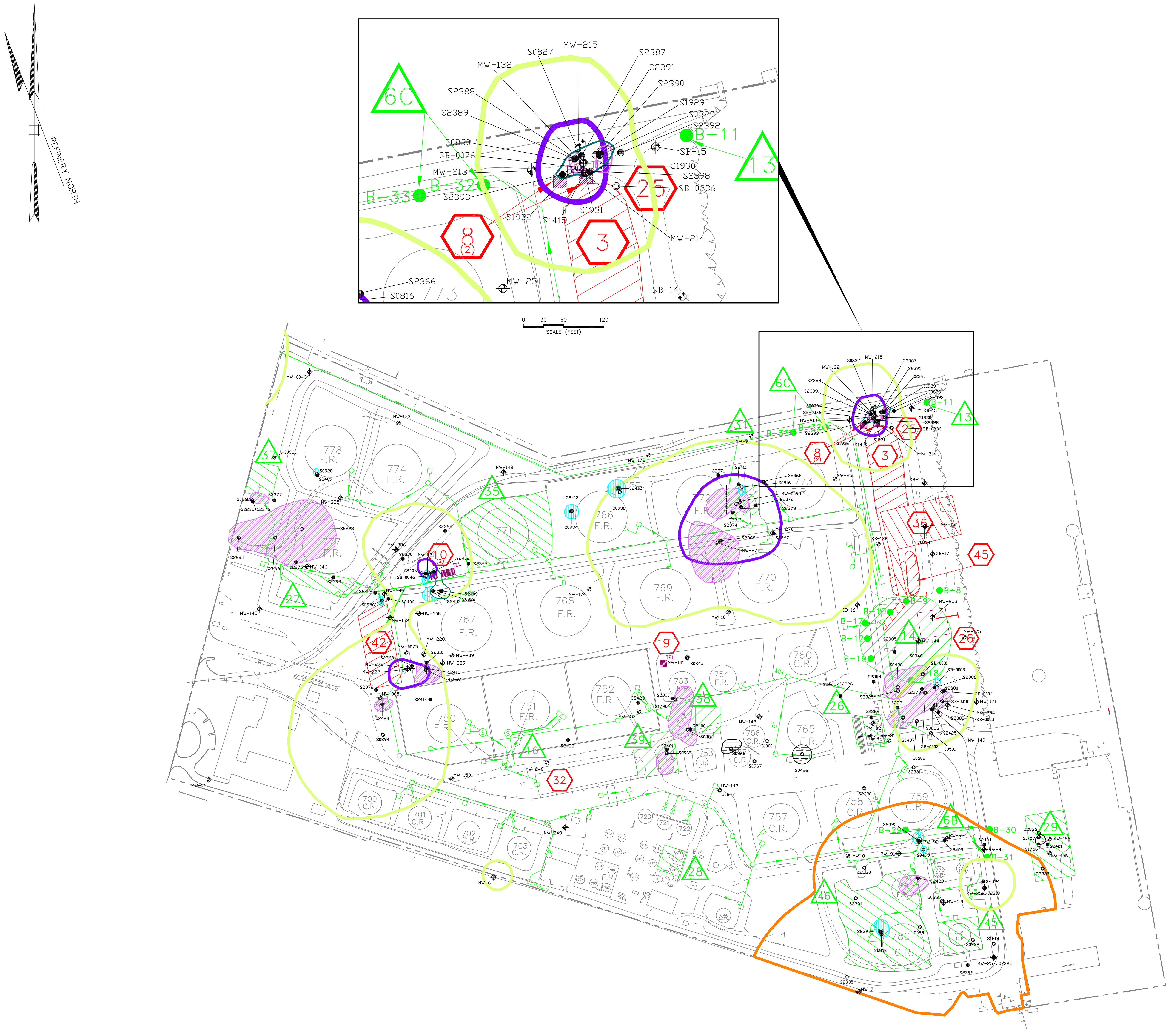

AREAS OF CONCERN (AOCs)

- 6B OILY PETROLEUM MATERIAL AT B-29, B-30, B-31
- 6C OILY PETROLEUM MATERIAL AT B-32, B-33
- 13 B-11 OILY FILL AREA
- 14 GWQAP OILY FILL AREA III
- 16 OILY WATER SEWER SYSTEM
- 26 EAST YARD BUNKER SLAB
- 27 TANK 777 PIPEWAY
- 28 ASPHALT PLANT TANKS FROM TANK 2
- 29 5 BERTH
- 31 TANK 772 PUMP PAD
- 35 TANK 771 BASIN
- 37 EASTERN GASOLINE FILTERS
- 38 BARGE LOADING MANIFOLD AT TANK 761 & G180/G181 NAPHTHA PUMPS
- 39 EAST YARD PUMP HOUSE & PRC LOADING RACK
- 45 TANK BASIN 748
- 46 TANK BASIN 749/780

SOLID WASTE MANAGEMENT UNITs (SWMUs)

- 3 EAST YARD BASIN
- 8 TEL BURIAL - 2 BURIALS (NW OF EAST YARD BASIN)
- 9 TEL BURIAL - EAST YARD BASIN (N. OF TANK 753)
- 10 TEL BURIAL - 2 BURIALS (W. OF TANK 771)
- 25 TEL WEATHERING AREA (N. OF EAST YARD BASIN)
- 26 TEL WEATHERING AREA (S. OF EAST YARD BASIN)
- 32 TBA WAREHOUSE PCB WASTE STORAGE AREA
- 36 OIL WATER SEPARATOR NEAR EAST YARD BASIN
- 42 CRUDE SLAB
- 45 IMPOUNDMENT S. OF EAST YARD BASIN

0 60 120 240
SCALE (FEET)

LEGEND:

- MW-102 — ACTIVE MONITORING WELL, RECOVERY WELL, OR PIEZOMETER
- S2454 — SOIL BORING ID FOR A CMS SAMPLE LOCATION
- S2415 — SOIL BORING ID FOR A PRE-CMS SAMPLE LOCATION WITH AN EXCEEDENCE OF 13 mg/kg OF BENZENE, 10 mg/kg OF BENZO(A)PYRENE OR 800 mg/kg OF LEAD.
- TEL — FORMER TEL FARM
- AOC
- SWMU
- ESTIMATED DELINEATION OF MNA FOR GROUNDWATER BENZENE CONCENTRATIONS BETWEEN 1–100 ug/L
- ESTIMATED DELINEATION OF ISCO TREATMENT FOR GROUNDWATER BENZENE CONCENTRATIONS >100 ug/L
- ESTIMATED EXTENT OF ISCO TREATMENT FOR SOIL BENZENE CONCENTRATIONS >13mg/kg
- ESTIMATED EXTENT OF IN-SITU STABILIZATION TREATMENT FOR SOIL LEAD CONCENTRATIONS >800 mg/kg
- ESTIMATED DELINEATION OF EXCAVATION, EX-SITU STABILIZATION TREATMENT AND DISPOSAL IN TAILORED CAMU FOR TCLP LEAD CONCENTRATIONS >5 mg/L
- ESTIMATED EXTENT OF EXCAVATION, EX-SITU STABILIZATION TREATMENT AND DISPOSAL IN TAILORED CAMU FOR SOIL BENZO(A)PYRENE CONCENTRATIONS >10 mg/kg
- ESTIMATED DELINEATION OF CAPPING FOR ARSENIC CONCENTRATIONS >20 mg/kg

ABBREVIATIONS:

CAMU:	CORRECTIVE ACTION MANAGEMENT UNIT
ISCO:	IN-SITU CHEMICAL OXIDATION
MNA:	MONITORED NATURAL ATTENUATION
NJDEP:	NEW JERSEY DEPARTMENT OF ENVIRONMETAL PROTECTION
NRDSCC:	NON-RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
NRDSCS:	NON-RESIDENTIAL DIRECT CONTACT SOIL CLEANUP STANDARD
TCLP:	TOXICITY CHARACTERISTIC LEACHING PROCEDURE

NOTES:

1. DEED NOTICES WILL BE FILED FOR THE FOLLOWING AREAS OF THE SITE AFTER THE COMPLETION OF REMEDIAL ACTIVITIES FOR THE ASSOCIATED CONTAMINATED SOILS: 1) NON-HAZARDOUS SOIL CONTAMINATED WITH LEAD CONCENTRATIONS >800 mg/kg (ITS NJDEP NRDSCS) AND <5 mg/L TCLP (ITS RCRA TCLP CHARACTERISTIC HAZARDOUS REGULATORY LEVEL), 2) ARSENIC IMPACTED SOIL WITH CONCENTRATIONS >20 mg/kg (ITS NJDEP NRDSCC), AND 3) BENZO(A)PYRENE IMPACTED SOIL WITH CONCENTRATIONS >0.66 mg/kg (ITS NJDEP NRDSCC) AND <10 mg/kg.
2. SEE FIGURE 12 FOR THE LATEST DETAILS ON THE LNAPL IMPACTED AREAS CORRESPONDING TO THE YEAR 2007 THAT WILL REQUIRE CORRECTIVE MEASURES (LNAPL THICKNESS >0.01 FEET), AND THE IMPACTED ASSOCIATED SWMUs AND AOCs.

CHEVRON PRODUCTS COMPANY
PERTH AMBOY, NEW JERSEY
CORRECTIVE MEASURES STUDY

EAST YARD
CORRECTIVE MEASURES FOR CONTAMINATED SWMUs AND AOCs

Chevron Asphalt Perth Amboy

DATE: 11/17/08
URS JOB NO: 11130491

FIGURE 24

\CRANFORD\CHEVRON\CMS Report\CADD Figures\EY_CMs_SWMU_AOC FIG 24.dwg, Layout1 (2), 12/11/2008 4:38:23 PM