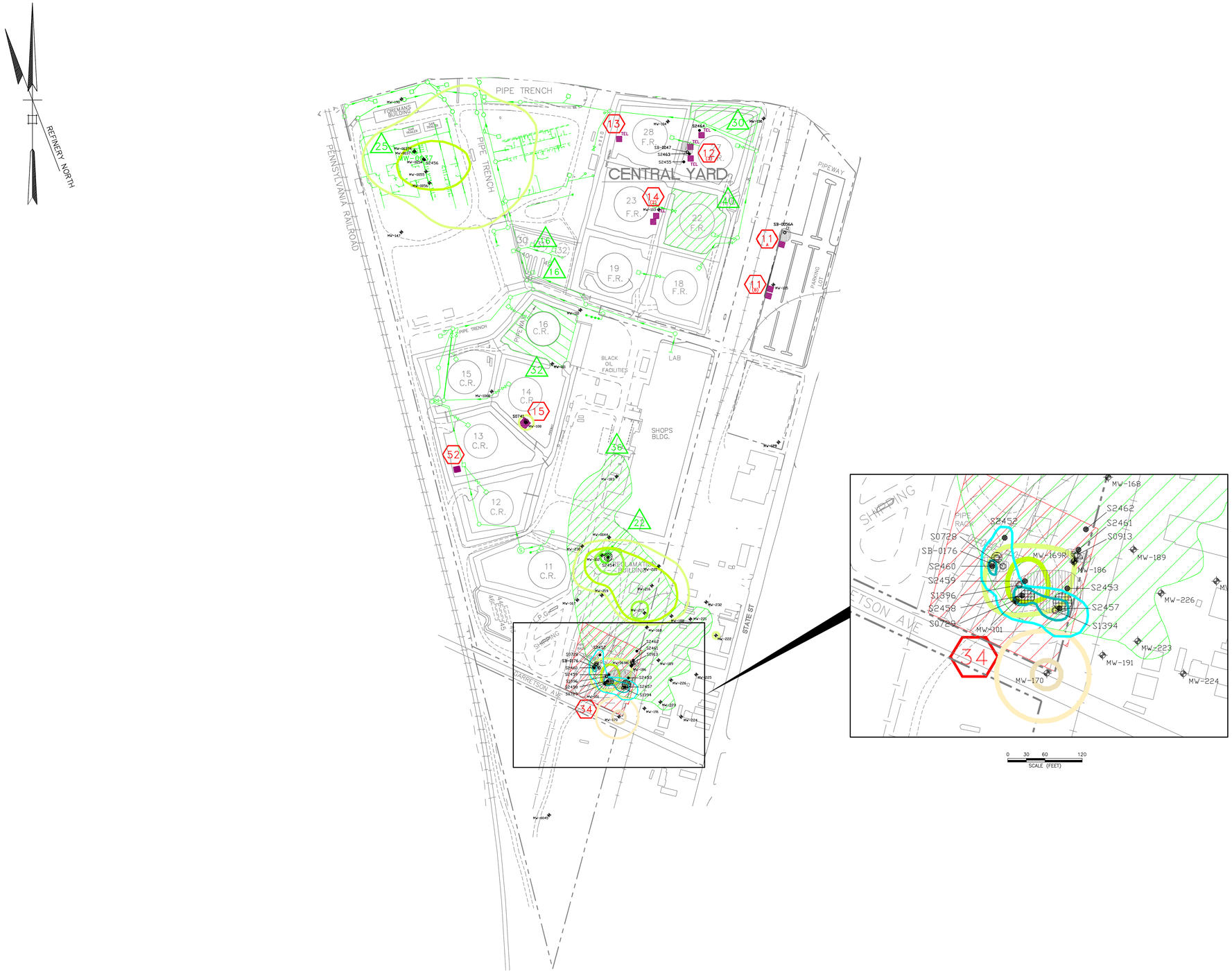

AREAS OF CONCERN (AOCs)

- 16 OILY WATER SEWER SYSTEM
- 22 SHOPS BUILDING GROUNDWATER CONTAMINATION
- 26 MW-0037
- 30 TANK 27 PIPEWAY
- 32 TANK 16 BASIN
- 36 CHLORINATED PLUME
- 40 TANK BASIN 22

SOLID WASTE MANAGEMENT UNITs (SWMUs)

- 11 TEL BURIAL - 3 BURIALS (ALONG CENTRAL R.R. R.O.W.)
- 12 TEL BURIAL - 3 BURIALS (NW. OF TANK 27)
- 13 TEL BURIAL (W. OF TANK 28)
- 14 TEL BURIAL - 2 BURIALS (SE. OF TANK 23)
- 15 TEL BURIAL (S. OF TANK 14)
- 34 DUMPSTER AREA AND DRAINAGE AREA
- 52 TEL BURIAL AT TANK BASIN 13

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 TCLP LEAD CONCENTRATIONS AND CORRECTIVE MEASURES:

- 5 mg/L
- 50 mg/L

} EXCAVATION, EX-SITU STABILIZATION AND DISPOSAL IN TAILORED CAMU.

ESTIMATED DELINEATION OF GROUNDWATER BENZENE CONCENTRATIONS AND CORRECTIVE MEASURES:

1-10 ug/L	MNA
10-100 ug/L	MNA
100-1,000 ug/L	ISCO TREATMENT
1,000-10,000 ug/L	ISCO TREATMENT

ESTIMATED DELINEATION OF GROUNDWATER LEAD CONCENTRATIONS:

- 5-50 ug/L
- >50 ug/L

ESTIMATED EXTENT OF LEAD IMPACTED SOILS AND CORRECTIVE MEASURES:

800-8,000 mg/Kg	IN-SITU STABILIZATION FOR TCLP LEAD CONCENTRATIONS <5 mg/L; EXCAVATION, EX-SITU STABILIZATION AND DISPOSAL IN TAILORED CAMU FOR TCLP LEAD CONCENTRATIONS >5 mg/L.
>8,000 mg/Kg	

ESTIMATED EXTENT OF BENZENE IMPACTED SOILS AND CORRECTIVE MEASURE:

13-100 mg/Kg	ISCO TREATMENT
>100 mg/Kg	ISCO TREATMENT

ESTIMATED EXTENT OF BENZO(A)PYRENE IMPACTED SOILS AND CORRECTIVE MEASURES:

>10 mg/Kg	EXCAVATION, EX-SITU STABILIZATION AND DISPOSAL IN TAILORED CAMU.

ABBREVIATIONS:

- CAMU: CORRECTIVE ACTION MANAGEMENT UNIT
- ISCO: IN-SITU CHEMICAL OXIDATION
- MNA: MONITORED NATURAL ATTENUATION
- TCLP: TOXICITY CHARACTERISTIC LEACHING PROCEDURE

NOTES:

1. IN ADDITION TO THE MNA DELINEATED AREAS FOR BENZENE CONCENTRATIONS <100 ug/L, MNA WILL BE PERFORMED IN THE ENTIRE AOC 36.
2. THE PRESENCE OF LNAPL IS NOT SHOWN IN THIS FIGURE. SEE FIGURE 12 FOR THE LATEST DETAILS ON THE LNAPL IMPACTED AREAS CORRESPONDING TO THE YEAR 2007 AND THE IMPACTED ASSOCIATED SWMUs AND AOCs.

CHEVRON PRODUCTS COMPANY
PERTH AMBOY, NEW JERSEY

CORRECTIVE MEASURES STUDY

CENTRAL YARD
SUMMARY OF PRINCIPAL CONTAMINANTS OF CONCERN DISTRIBUTION IN SOIL AND GROUNDWATER SHOWING IMPACTED SWMUs AND AOCs

Chevron
Asphalt
Perth Amboy

DATE: 9/5/08
URS JOB NO: 11130491

FIGURE 4

\\GNAFORDCHEVRONCMS Reports\CADD Figures\CY_Cont_SWMU_AOC FIG-4.dwg, Layout1 (2), 12/17/2008 9:55:31 AM