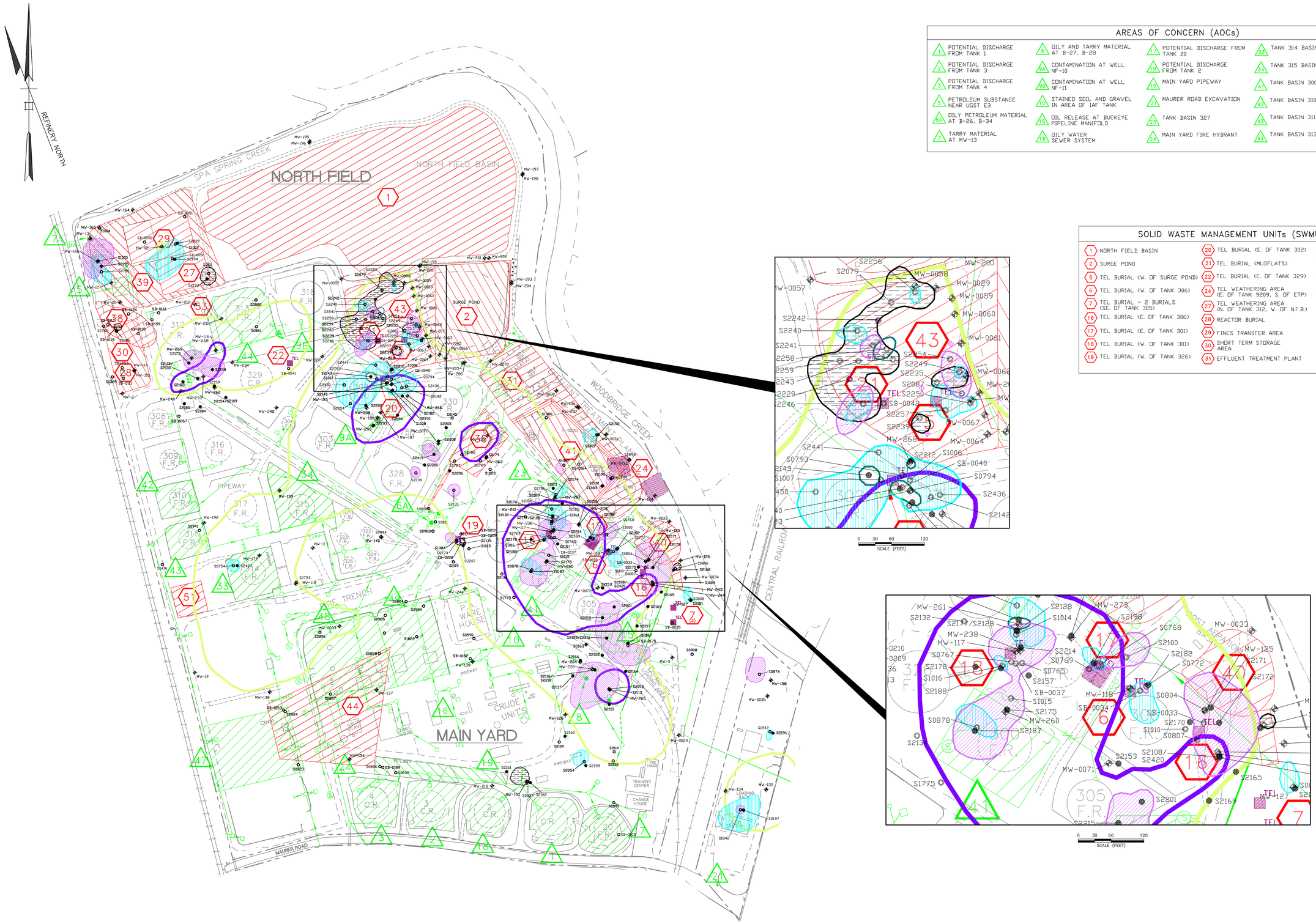

AREAS OF CONCERN (AOCs)

1 POTENTIAL DISCHARGE FROM TANK 1	6 OILY AND TARRY MATERIAL AT B-27, B-28	17 POTENTIAL DISCHARGE FROM TANK 20	33 TANK 314 BASIN	47 #4 CRUDE UNIT
2 POTENTIAL DISCHARGE FROM TANK 3	9A CONTAMINATION AT WELL NF-10	18 POTENTIAL DISCHARGE FROM TANK 2	34 TANK 315 BASIN	48 ISOMAX PROCESS PLANT
3 POTENTIAL DISCHARGE FROM TANK 4	9B CONTAMINATION AT WELL NF-11	19 MAIN YARD PIPEWAY	41 TANK BASIN 300	49 #3 RHENIFORMER
5 PETROLEUM SUBSTANCE NEAR UGST E3	10 STAINED SOIL AND GRAVEL IN AREA OF IAF TANK	21 MAURER ROAD EXCAVATION	42 TANK BASIN 310	
6A OILY PETROLEUM MATERIAL AT B-26, B-34	15 OIL RELEASE AT BUCKEYE PIPELINE MANIFOLD	23 TANK BASIN 327	43 TANK BASIN 311	
7 TARRY MATERIAL AT MW-13	16 OILY WATER SEWER SYSTEM	24 MAIN YARD FIRE HYDRANT	44 TANK BASIN 313	

SOLID WASTE MANAGEMENT UNITs (SWMUs)

1 NORTH FIELD BASIN	20 TEL BURIAL (E. OF TANK 302)	35 NO. 4 SEPARATOR
2 SURGE POND	21 TEL BURIAL (MUDFLATS)	38 NORTH FIELD SLOP POND
5 TEL BURIAL (W. OF SURGE POND)	22 TEL BURIAL (E. OF TANK 329)	39 UNNAMED NORTH FIELD POND
6 TEL BURIAL (W. OF TANK 306)	24 TEL WEATHERING AREA (E. OF TANK 9209, S. OF ETP)	40 OLD POND
7 TEL BURIAL - 2 BURIALS (SE. OF TANK 305)	27 TEL WEATHERING AREA (N. OF TANK 312, W. OF N.F.B.)	41 DRYING AREA
16 TEL BURIAL (E. OF TANK 306)	28 REACTOR BURIAL	43 MUD FLATS
17 TEL BURIAL (E. OF TANK 301)	29 FINES TRANSFER AREA	44 UNNAMED MAIN YARD POND
18 TEL BURIAL (W. OF TANK 301)	30 SHORT TERM STORAGE AREA	51 OILY SOIL PAD
19 TEL BURIAL (W. OF TANK 326)	31 EFFLUENT TREATMENT PLANT	53 POTENTIAL DISCHARGE INTO TANK BASIN 312

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.
- SHEET PILING
- SLURRY WALL
- 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

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.

0 60 120 240
SCALE (FEET)

CHEVRON PRODUCTS COMPANY
PERTH AMBOY, NEW JERSEY
CORRECTIVE MEASURES STUDY

MAIN YARD
CORRECTIVE MEASURES FOR CONTAMINATED SWMUs AND AOCs

Chevron
Asphalt
Perth Amboy

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

FIGURE 23

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