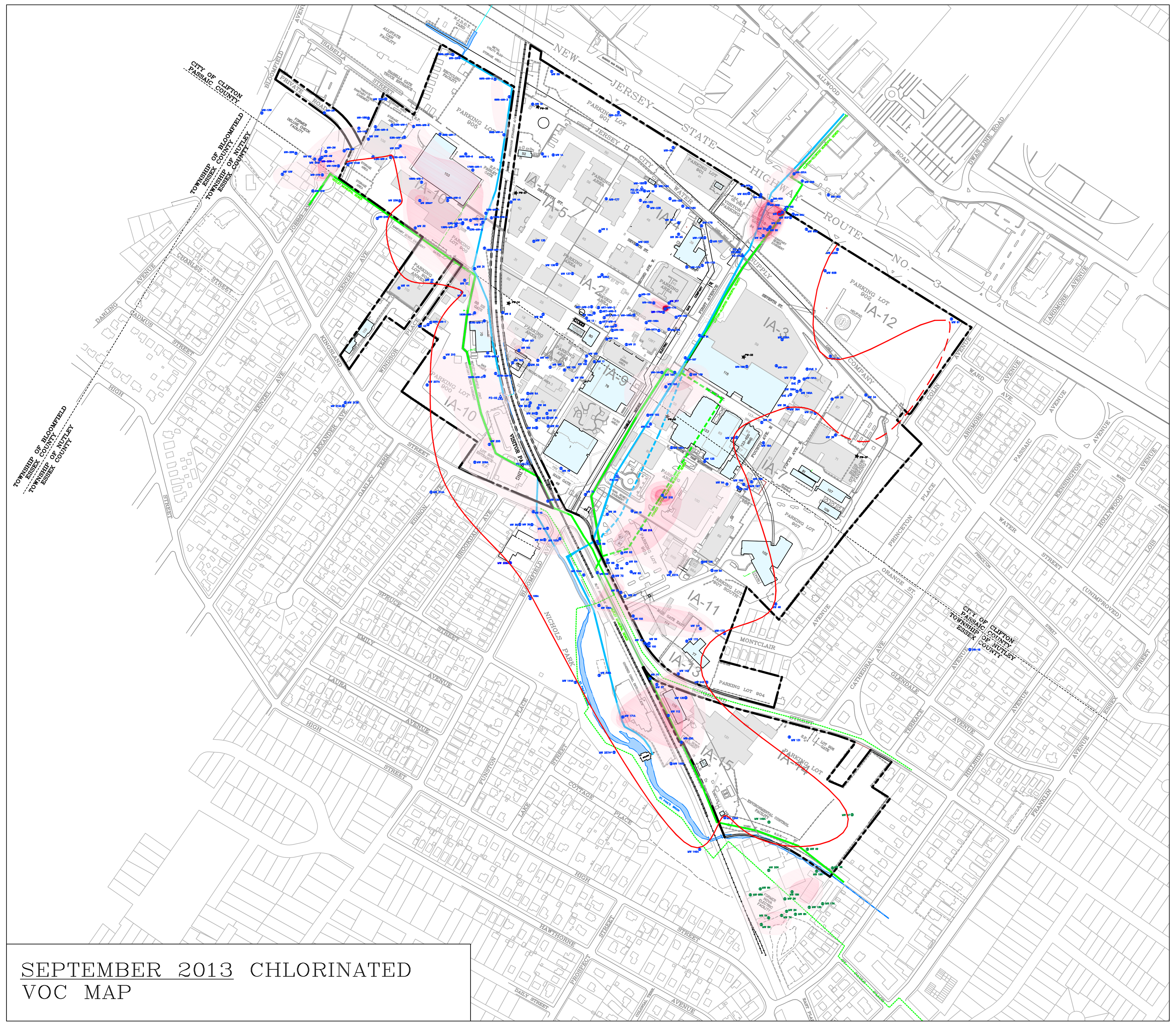
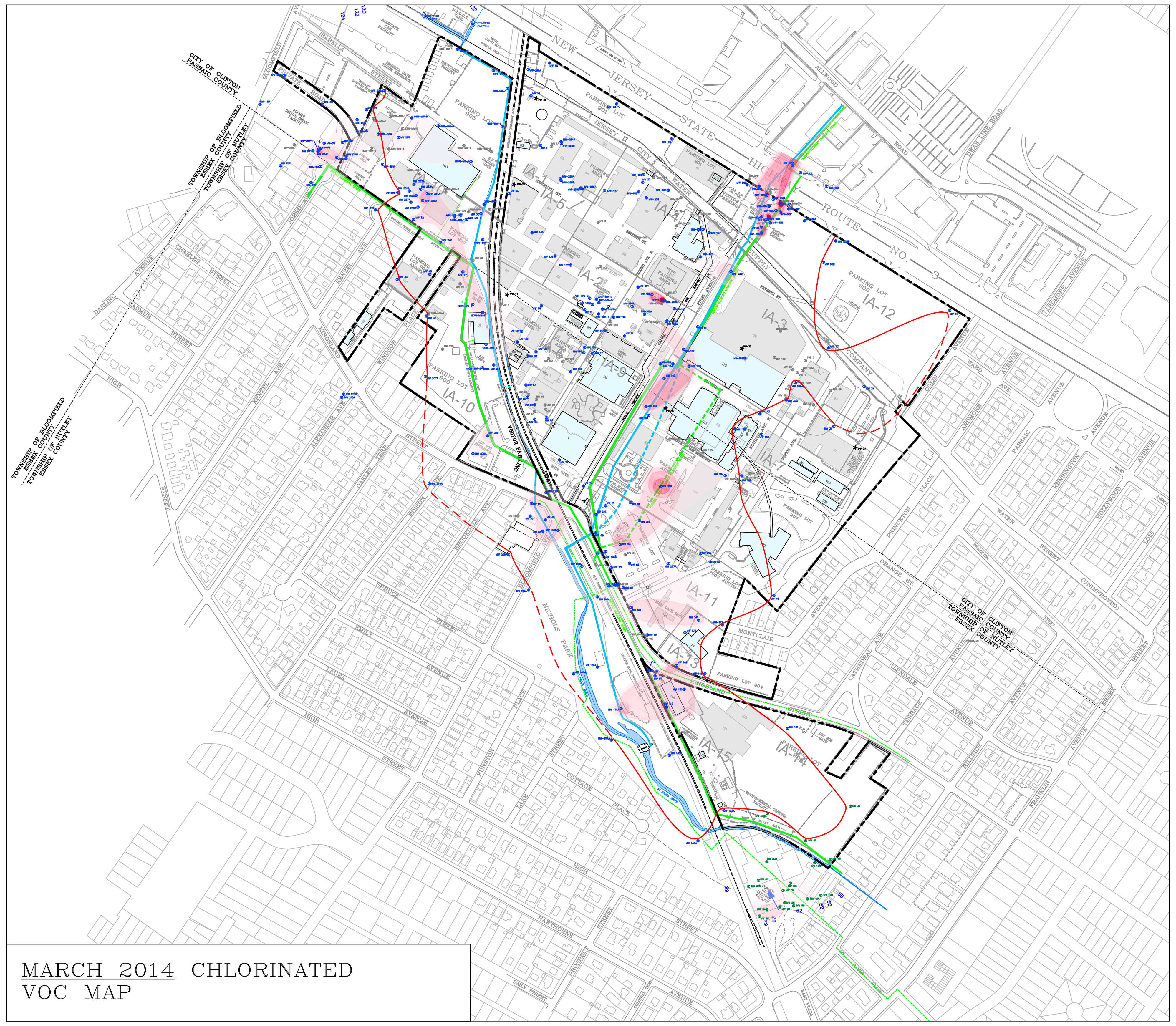
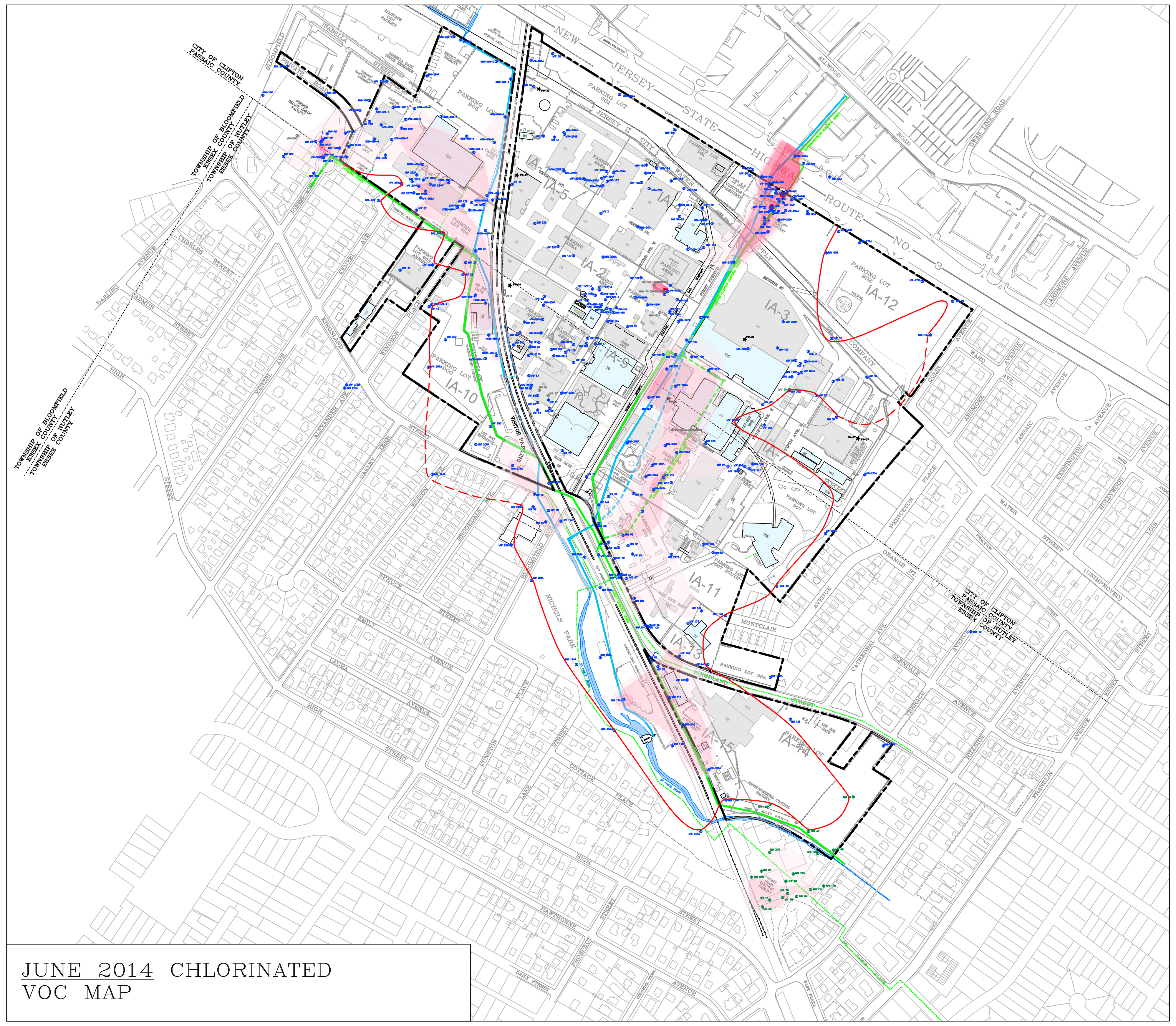


SEPTEMBER 2013 CHLORINATED VOC MAP

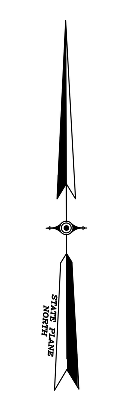
DECEMBER 2013 CHLORINATED VOC MAP



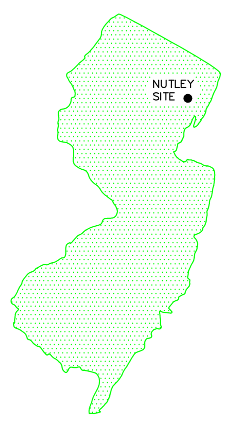
MARCH 2014 CHLORINATED VOC MAP



JUNE 2014 CHLORINATED VOC MAP



NORTH



KEY MAP

HYDROSTRATIGRAPHIC ZONE S1
SCREENED > 80 ft AMSL

LEGEND

- ALUMINUM GUIDE RAIL
- HAND RAIL
- ESTATE FENCE
- ESTATE SECURITY GATE
- CHAIN LINK FENCE
- CHAIN LINK SECURITY GATE
- RETAINING WALL
- PROPERTY LINE
- TOWN/COUNTY LINE
- TAX LOT LINE
- S.P. SECURITY POST
- TRAILER
- TANK(S)
- PIPE RACK(S)
- UNDERGROUND UTILITY TUNNEL
- MW ZONE S1 MONITORING WELL LOCATION (APPROXIMATE SCREEN INTERVAL >80' AMSL)
- PZ ZONE S1 PIEZOMETER WELL LOCATION (APPROXIMATE SCREEN INTERVAL >80' AMSL)
- WELL NOT SAMPLED
- ZONE S2 MONITORING WELL LOCATION (APPROXIMATE SCREEN INTERVAL 80'–50' AMSL) – SEE NOTE #2.
- FORMER PRODUCTION WELL LOCATION (PW–37 CONVERTED TO MULTIPORT)
- CLIFTON–ALLWOOD / NUTLEY MUNICIPAL SEWERS
- MUNICIPAL VALLEY DRAIN (STORM SEWER)
- APPROXIMATE LOCATION OF FORMER MUNICIPAL SEWER LINE
- APPROXIMATE LOCATION OF FORMER MUNICIPAL VALLEY DRAIN
- APPROXIMATE LOCATION OF NUTLEY MUNICIPAL SEWER
- DELINEATION COMPLIANCE LINE (DASHED WHERE INFERRED)
- DEMOLISHED BUILDING
- EXISTING BUILDING

ISOCONCENTRATION CONTOURS OF PCE AND BREAKDOWN PRODUCTS (TCE, C–DCE AND VC) >GWQS*

- TOTAL CONCENTRATION > 1 PPB
- TOTAL CONCENTRATION > 10 PPB
- TOTAL CONCENTRATION > 100 PPB
- TOTAL CONCENTRATION > 1,000 PPB
- TOTAL CONCENTRATION > 10,000 PPB
- TOTAL CONCENTRATION > 100,000 PPB

*SEE NOTE #1

IA–6 PUMP AND TREAT SYSTEM

Pumping Well	Min-Max Pumping Rates (gpm)	Average Pumping Rate (gpm)
RW-51	3.0 – 8.3	4.7
RW-96	3.0 – 11	5

Active Onsite Sumps and Dewatering Activites:
B52 – Sump pump in vault
Utility Tunnel – Numerous (>50) sump pumps within.
B39 – Multiple sump pumps
B76 – Sump pump in vault
B1 – Sump pump in vault
B115 – Multiple sump pumps
B118 – Sump pump In Vault
B116 – Multiple sump pumps
B85 (Demolished and turned off early 2014) – 2 sump pumps

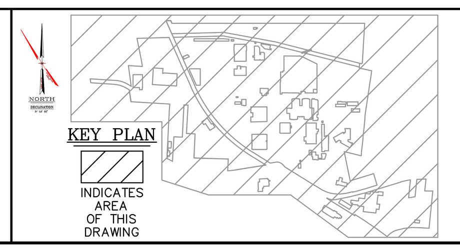
NOTES:
1. ONLY CVOCS DETECTED ABOVE NJDEP GWQS (GROUND WATER QUALITY STANDARD) ARE INCLUDED IN ISOCONCENTRATION CONTOURS.
2. FIRST WATER WELLS MW–47, MW–48, MW–49, MW–148A, AND THIRTEEN FORMER NOVA ELECTRIC FACILITY WELLS ARE SCREENED IN ZONE S2 (SCREENED 80' TO 50' AMSL) ARE SHOWN ON BOTH ZONE S1 AND S2 MAPS.
3. ALL CONCENTRATIONS ARE IN PARTS PER BILLION (PPB).
4. AMSL = ABOVE MEAN SEA LEVEL.

ENGINEER IN RESPONSIBLE CHARGE OF THE WORK SHOWN ON THIS DRAWING

DATE: ____________ SIGNATURE

PROFESSIONAL ENGINEER: ENG
LIC. # LIC

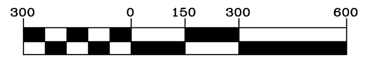
TRC ENVIRONMENTAL CORP.
41 SPRING STREET
NEW PROVIDENCE, NJ 07974
908–988–1700



KEY PLAN

INDICATES AREA OF THIS DRAWING

GRAPHIC SCALE



1 INCH = 300 FEET

REV	DATE	BY	DESCRIPTION
0	11/3/14	MG	DRAFT ISSUED FOR REVIEW

DESIGN SUPERVISOR
PROJECT ENGINEER

PROJECT TITLE: NUTLEY SITE REMEDIATION PROJECT

INITIATOR: T. O'MEARA | DRAWN BY: M. GIAMBATTISTA | CHECKED BY: S. McCRAY | PROJECT ENGINEER: G. CIERPIAL
START DATE: 10–29–14 | SUPERVISOR: A. GOELLER

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DRAWING TITLE: FIGURE 84 ZONE S1 COMPARISON OF CVOC PLUMES

SCALE: 1" = 300'
BLDG. NO. –

PREPARED FOR: Roche Hoffmann–La Roche Inc.
340 KINGSLAND STREET NUTLEY, NEW JERSEY 07110–1199

DRAWING NO. NR–STE–S29215–C1484 (0)

FILE: \\MILLBURN–FP2\DRAFTINGFILES\CAD FILES\VISION PROJECTS\105009\SITE WIDE GROUND WATER RIR\REPORT FIGURES\ANNUAL REPORT\QUAD MAPS\OCT, DATE: 12/10/2014 12:23:30PM