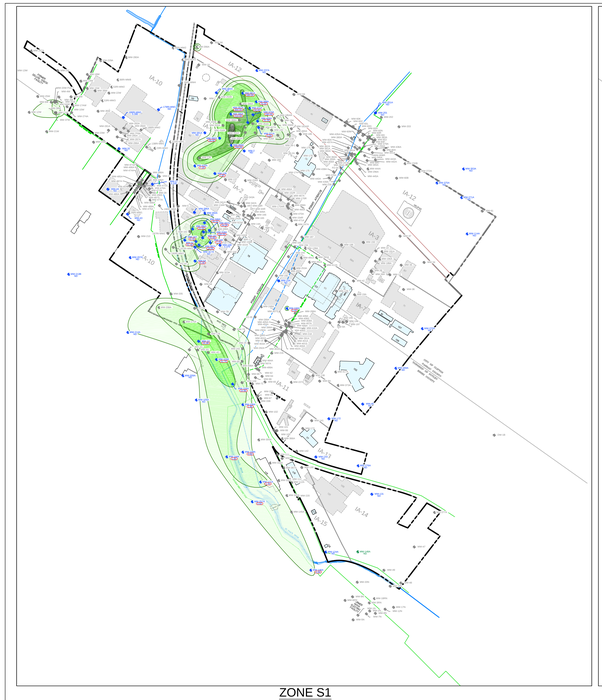
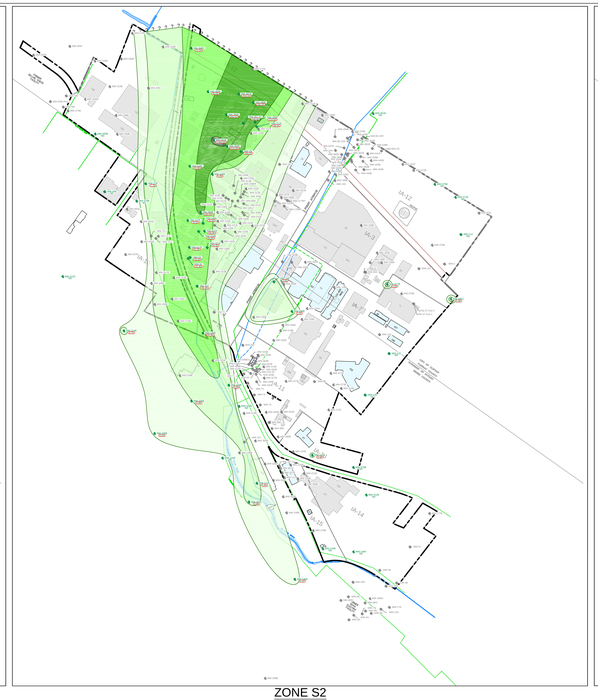


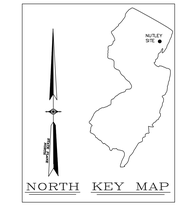
ZONE S1



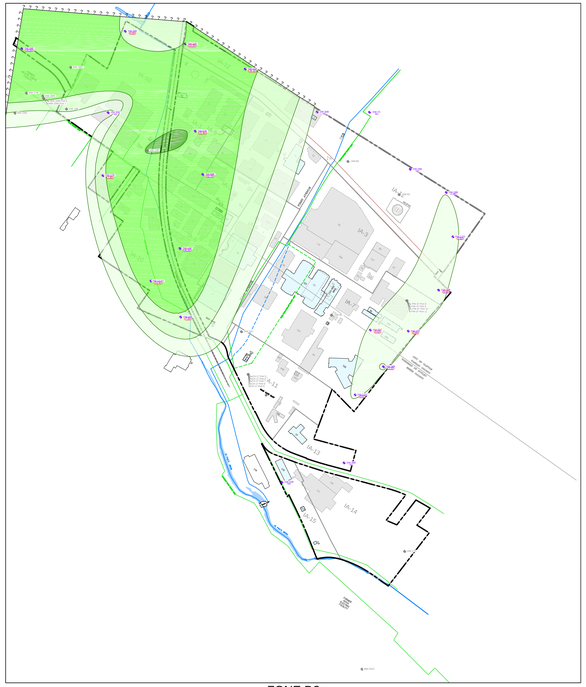
ZONE S2

ZONE S3

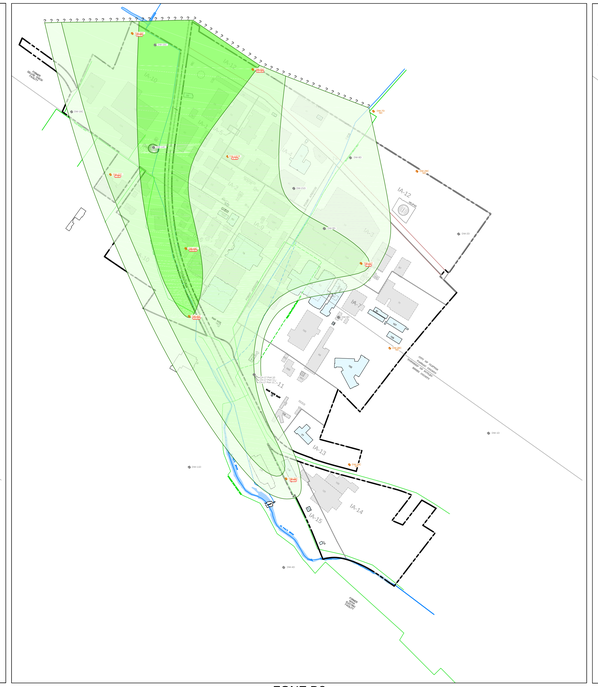
ZONE D1



3Q16



ZONE D2



ZONE D3

ZONE D4

LEGEND

- MW-103A (36.7) — ZONE S1 MONITORING WELL LOCATION (APPROXIMATE SCREEN INTERVAL >80' AMSL)
  - 36.7 — 1,4-DIOXANE CONCENTRATION (RED BORDER INDICATES CONCENTRATION >GWQS)
- MW-171B (35.7) — ZONE S2 MONITORING WELL LOCATION (APPROXIMATE SCREEN INTERVAL 80'–50' AMSL)
- MW-171C (35.7) — ZONE S3 MONITORING WELL LOCATION (APPROXIMATE SCREEN INTERVAL 50'–0' AMSL)
- DW-50B (35.7) — ZONE D1 MONITORING WELL LOCATION (APPROXIMATE SCREEN INTERVAL 0'–100' BMSL)
- DW-50C (35.7) — ZONE D2 MONITORING WELL LOCATION (APPROXIMATE SCREEN INTERVAL 100'–250' BMSL)
- DW-7D (35.7) — ZONE D3 MONITORING WELL LOCATION (APPROXIMATE SCREEN INTERVAL 250'–400' BMSL)
- DW-23D ND — ZONE D4 MONITORING WELL LOCATION (APPROXIMATE SCREEN INTERVAL >400' BMSL)
- WELL NOT SAMPLED IN 3Q16

- PROPERTY LINE
- TOWN/COUNTY LINE
- INVESTIGATIVE AREA
- DEMOLISHED BUILDING
- EXISTING BUILDING
- CLIFTON–ALLWOOD / NUTLEY — MUNICIPAL SEWERS
- MUNICIPAL VALLEY DRAIN (STORM SEWER)
- APPROXIMATE LOCATION OF FORMER MUNICIPAL SEWER LINE
- APPROXIMATE LOCATION OF FORMER MUNICIPAL VALLEY DRAIN

ISOCONCENTRATION CONTOURS OF 1,4-DIOXANE

- TOTAL CONCENTRATION > 0.4 PPB
- TOTAL CONCENTRATION > 1 PPB
- TOTAL CONCENTRATION > 10 PPB
- TOTAL CONCENTRATION > 100 PPB
- TOTAL CONCENTRATION > 1000 PPB

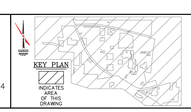
NOTES:
1. AMSL = ABOVE MEAN SEA LEVEL.
2. BMSL = BELOW MEAN SEA LEVEL.
3. ND = 1,4–DIOXANE NOT DETECTED ABOVE THE METHOD DETECTION LIMIT.
4. THE REPORTING LIMIT FOR 1,4–DIOXANE IS 0.2 PARTS PER BILLION (PPB).
5. NJDEP INTERIM SPECIFIC GROUND WATER QUALITY CRITERION (ISGWQC) FOR 1,4–DIOXANE IS 0.4 PPB.
6. 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.
7. ALL CONCENTRATIONS ARE IN PPB.
5. THE MOST RECENT HISTORICAL DATA WERE USED FOR WELLS THAT WERE NOT SAMPLED DURING THE REPORTING PERIOD TO ENABLE DEVELOPMENT OF 1,4–DIOXANE CONTOURS.
6. DURING THE 3Q16 SAMPLING EVENT, ALL WELLS WERE SAMPLED EITHER VIA RIGID POROUS POLYETHYLENE SAMPLER (RPPS) OR LOW–FLOW FOR 1,4–DIOXANE BETWEEN AUGUST AND OCTOBER 2016.
7. MW–391–S3 NOT USED FOR CONTOURING.

ENGINEER IN RESPONSIBLE CHARGE OF THE WORK SHOWN ON THIS DRAWING

DATE: ___ ___ SIGNATURE

PROFESSIONAL ENGINEER: E N G
LIC. # L I C

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



GRAPHIC SCALE
300 0 150 300 600
1 INCH = 300 FEET

REV	DATE	BY	DESCRIPTION
0	3/9/17	MG	DRAFT ISSUED FOR REVIEW

DESIGN SUPERVISOR
PROJECT ENGINEER

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PROJECT TITLE: NUTLEY SITE REMEDIATION PROJECT

REVIEW	DRAWN BY	CHECKED BY	PROJECT ENGINEER
T. O'MEARA	M. GAMBATISTA	A. OLSEN	G. CIERPAL
	DATE APR. 17	SURVEY NO.	
		A. SOELLER	

DRAWING TITLE: FIGURE 10
1,4–DIOXANE ISOPLETH MAPS
ZONES S1 THROUGH D4
3Q16

SCALE: AS SHOWN
BLDG. NO.: –

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

DRAWING NO.: NR–STE–S29215–C2796 | 0

FILE:W:\Cost Files\Vision Projects\100000\Site Wide Ground Water RRP\REPORT FIGURES\FINE PERIOD SAMPLING\SEMI ANNUAL SAMPLING\3Q16 DIOX Zones_recover. DATE:11/1/2017 6:48:58 PM