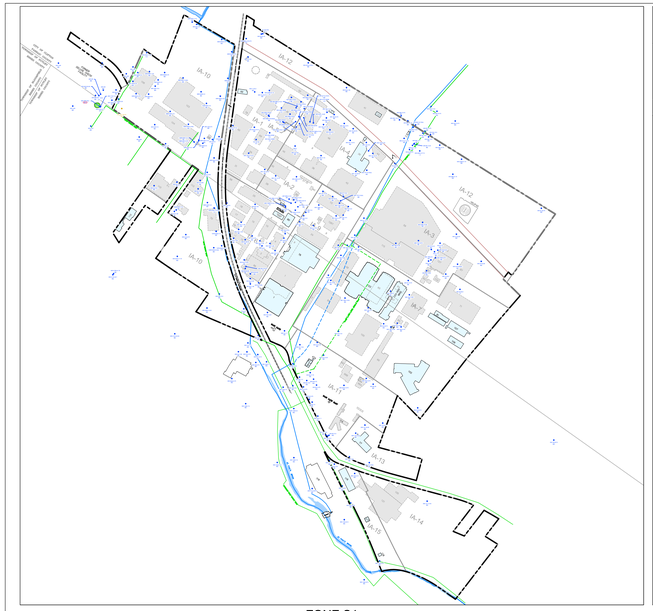

ZONE S1

ZONE S2

ZONE S3

ZONE D1

ZONE D2

ZONE D3

ZONE D4

ISOCONCENTRATION CONTOURS OF MTBE >GWQS

- TOTAL CONCENTRATION > 70 PPB
- TOTAL CONCENTRATION > 100 PPB

NOTES:
1. AMSL = ABOVE MEAN SEA LEVEL.
2. BMSL = BELOW MEAN SEA LEVEL.
3. MTBE = METHYL TERTIARY BUTYL ETHER.
4. WELLS WITHOUT MTBE DETECTIONS SHOW THE DEEPEST SAMPLE COLLECTED.
5. ND = MTBE NOT DETECTED.
6. WELLS WITH MTBE HITS THAT DO NOT EXCEED THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION (NJDEP) GROUND WATER QUALITY STANDARD (GWQS) OF 70 PARTS PER BILLION (PPB) SHOW THE HIGHEST CONCENTRATION ENCOUNTERED.
7. ALL MTBE CONCENTRATIONS EXCEEDING THE GWQS ARE SHOWN. ISOCONCENTRATION CONTOURS ARE BASED ON THE HIGHEST CONCENTRATION ENCOUNTERED AT EACH WELL.
8. ALL SAMPLES WERE COLLECTED BETWEEN SEPTEMBER 2013 AND MAY 2015 VIA LOW-FLOW, PACKER AND GRAB VIA BAILER. ONLY WELLS SAMPLED FOR MTBE ARE SHOWN.
9. LF IN SAMPLE DEPTH INDICATES SAMPLE VIA LOW-FLOW.
10. P IN SAMPLE DEPTH INDICATES SAMPLE VIA PACKER.
11. GRAB IN SAMPLE DEPTH INDICATES SAMPLE VIA BAILER.
12. ALL CONCENTRATIONS ARE IN PPB.

LEGEND

- PROPERTY LINE
- TOWN/COUNTY LINE
- INVESTIGATIVE AREA
- DEMOLISHED BUILDING
- EXISTING BUILDING
- CLIFTON-ALLWOOD / NUTLEY — MUNICIPAL SEWERS
- NUTLEY — MUNICIPAL VALLEY DRAIN (STORM SEWER)
- APPROXIMATE LOCATION OF FORMER MUNICIPAL SEWER LINE
- APPROXIMATE LOCATION OF FORMER MUNICIPAL VALLEY DRAIN
- ZONE S1 MONITORING WELL ID (SCREENED >80' AMSL) / SAMPLE DEPTH (FT BGS) — e.g. MW-38N-LF12.2 (80.7)
- ZONE S2 MONITORING WELL ID (SCREENED 80–50' AMSL) / SAMPLE DEPTH (FT BGS) — e.g. MW-26S-LF15.3 (80.7)
- ZONE S3 MONITORING WELL ID (SCREENED 50–0' AMSL) / SAMPLE DEPTH (FT BGS) — e.g. MW-2C-LF19.0 (80.7)
- MTBE CONCENTRATION (PPB) *RED OUTLINE INDICATES CONCENTRATION ABOVE NJDEP GWQS
- ZONE D1 MONITORING WELL ID (SCREENED 0–100' BMSL) / SAMPLE DEPTH (FT BGS) — e.g. DW-21S-LF-19.0 (80.7)
- ZONE D2 MONITORING WELL ID (SCREENED 100–250' BMSL) / SAMPLE DEPTH (FT BGS) — e.g. DW-35S-LF281.6 / 4.0
- ZONE D3 MONITORING WELL ID (SCREENED 250–400' BMSL) / SAMPLE DEPTH (FT BGS) — e.g. DW-40T-LF 358.85 (80.7)
- ZONE D4 MONITORING WELL ID (SCREENED >400' BMSL) / SAMPLE DEPTH (FT BGS) — e.g. DW-29D-LF559.75 / 4.0

ENGINEER IN RESPONSIBLE CHARGE OF THE WORK SHOWN ON THIS DRAWING

DATE: ____ SIGNATURE: ____

PROFESSIONAL ENGINEER: LIC. #

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

KEY PLAN
INDICATES AREA OF THIS DRAWING

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

REV	DATE	BY	DESCRIPTION
1	12/15/15	WG	SUBMITTED FOR SITE-WIDE GROUNDWATER PROGRESS REPORT (DECEMBER 2015)
0	8/24/15	WG	DRAFT ISSUED FOR REVIEW

DESIGN SUPERVISOR: PROJECT ENGINEER:

PROJECT TITLE: NUTLEY SITE REMEDIATION PROJECT

SCALE	DRAWN BY	DESIGN BY	PROJECT MANAGER
1" = 150'	T. O'MEARA	M. GIAMBATTISTA	G. CIERPIAL
BLDG. NO. –	DATE 8/24/15	APPROVED BY P. PANTALEON	

DRAWING TITLE: FIGURE 41 MTBE ISOPLETH MAP ZONES S1 THROUGH D4 SAMPLES COLLECTED 2013–2015

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

DRAWING NO.: NR–STE–S29215–C2201 (1)

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FILE:\\ARLBURR-FP2\Drafting\Year\Cad Files\Vision projects\105009\Site Wide Ground Water IRP\REPORT FIGURES\2ND ANNUAL REPORT\CDC Delineation\MTBE\Panel\RocheTRC Base Map MTBE, DATE:12/15/2015 2:36:09 PM