DECEMBER 2013
HYDROSTRATIGRAPHIC
ZONE D1: 0 - 100 ft BMSL

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
- SECURITY POST
- TRAILER
- TANK(S)
- PIPE RACK(S)
- UNDERGROUND UTILITY TUNNEL
- DEMOLISHED BUILDING
- EXISTING BUILDING

- ZONE D1 MONITORING WELL LOCATION (APPROXIMATE SCREENED 0'–100' BMSL)
- CH–17 MULTIPORTS IN ZONE D1
- PW–37 MULTIPORTS IN ZONE D1
- FORMER PRODUCTION WELL LOCATION (PW–37 CONVERTED TO MULTIPORT)
- 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
- ROCHE PROCESS/WASTE LINE
- ROCHE WATER/ DRAIN LINE
- GROUNDWATER CONTOUR (FEET AMSL)
- GROUNDWATER FLOW DIRECTION
- GROUNDWATER ELEVATION (N/A WHERE NOT AVAILABLE)
- WATER LEVEL NOT USED FOR CONTOURING

NOTES:
1. BMSL = BELOW MEAN SEA LEVEL.
2. AMSL = ABOVE MEAN SEA LEVEL.

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

NUTLEY SITE

NORTH KEY MAP

MONITORING WELLS SHOWN ON THIS FIGURE

Well Designation	Hydrogeologic Zone	Investigation Area (IA)
DW-9B	D1	IA-03
DW-12A	D1	IA-04
DW-12B	D1	IA-04
PW-37 Port 5	D1	IA-07
PW-37 Port 6	D1	IA-07
PW-37 Port 7	D1	IA-07
DW-3C	D1	IA-07
DW-6B	D1	IA-07
DW-13B	D1	IA-10
DW-14A	D1	IA-10
DW-15A	D1	IA-10
DW-16A	D1	IA-10
CH-17 Port 2	D1	IA-11
CH-17 Port 3	D1	IA-11
DW-10B	D1	IA-11
DW-5B	D1	IA-12
DW-8A	D1	IA-12
DW-8B	D1	IA-12
MW-48C	D1	IA-14
DW-17C	D1	IA-14
DW-1C	D1	Off-Site
DW-4C	D1	Off-Site
DW-7B	D1	Off-Site
DW-11B	D1	Off-Site
DW-18C	D1	Off-Site
DW-24	D1	Off-Site
MW-20W Port 4	D1	Deluxe Check
MW-20W Port 5	D1	Deluxe Check

ENGINEER IN RESPONSIBLE CHARGE OF THE WORK SHOWN ON THIS DRAWING

DATE: _____ SIGNATURE

PROFESSIONAL ENGINEER: ENG LIC. # LIC

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

KEY PLAN
INDICATES AREA OF THIS DRAWING

GRAPHIC SCALE
150 0 75 150 300
1 INCH = 150 FEET

REV	DATE	BY	DESCRIPTION
0	3/12/14	MG	DRAFT ISSUED FOR REVIEW

DESIGN SUPERVISOR
PROJECT ENGINEER

PROJECT TITLE
NUTLEY SITE
REMEDIATION PROJECT

INITIATOR T. O'MEARA | DRAWN BY M. GAMBATTISTA | CHECKED BY S. McCRAY | PROJECT ENGINEER G. CIERPIAL | START DATE 11-12-14 | SUPERVISOR A. GOELLER

THIS DRAWING AND ALL INFORMATION THEREON IS THE PROPERTY OF HOFFMANN-LA ROCHE INC. AND IS CONFIDENTIAL AND MUST NOT BE MADE PUBLIC OR COPIED UNLESS AUTHORIZED BY ROCHE AND IS SUBJECT TO RETURN ON DEMAND.

DRAWING TITLE
FIGURE 14
POTENTIOMETRIC SURFACE MAP
ZONE D1
MEASURED 12-12-13

SCALE 1" = 150'
BLDG. NO. –

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

DRAWING NO. NR–STE–S29215–C1025 0

FILE: \\WILBURN-FP2\DRAFTINGFILES\CAD FILES\VISION PROJECTS\105008\SITE WIDE GROUND WATER RW\REPORT FIGURES\ANNUAL REPORT\Q4 2013\[UWE\UL DATE: 12/09/2014 04:11:33PM