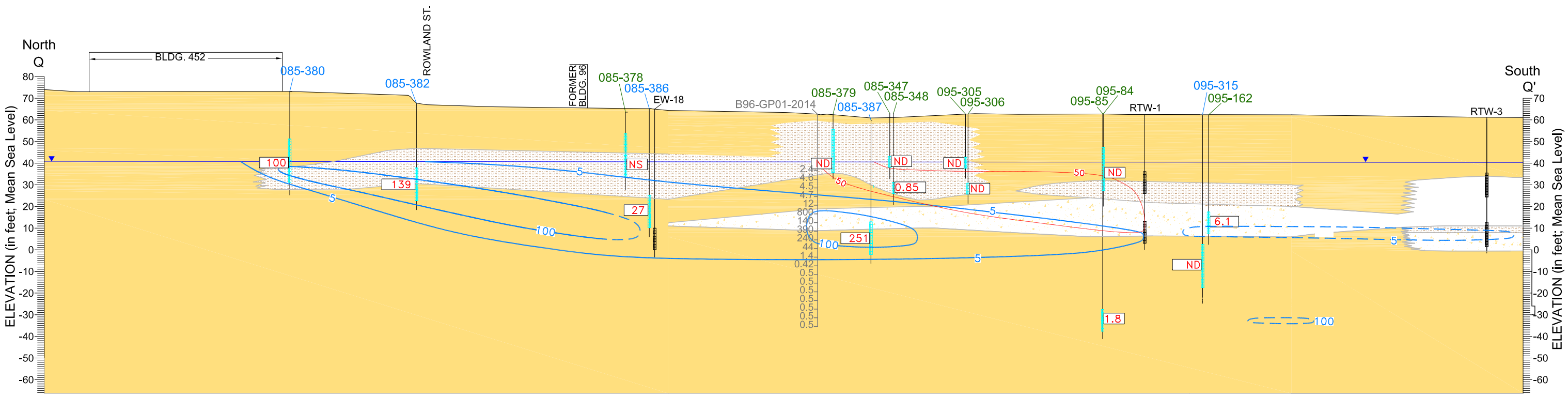

LEGEND

Upper Glacial aquifer

Fine to coarse sand, trace to little silt and/or fine to medium gravel.

Very fine sand and/or silt, with silt and sand lenses interbedded.

Coarse to very coarse sand, with or without gravel or gravel with sand.

085-382 BNL Monitoring Well ID

139 Freon-11 Concentration (µg/L)

50 Bldg 96 Plume TVOC Contour (µg/L) (Dashed Where Inferred)

5 Bldg 452 Freon-11 Contour (µg/L) (Dashed Where Inferred)

RTW-1 Recirculation Well

Monitoring Well Screen

Extraction Well Screen With Blank

Water Table As Of December 3-6, 2013

TVOC – Total Volatile Organic Compound

µg/L – Micrograms Per Liter

PCE – Tetrachloroethylene

HORIZONTAL SCALE
0 45 90
FEET

Monitoring Well IDs are stacked in order of the depth of the well from shallow to deep

095-84
095-85

NOTES:

1) GEOLOGIC INFORMATION SHOWN IS BASED ON LITHOLOGIC DATA COLLECTED JUNE 2004 FOR GP BORING DESIGNATIONS AND NOV. 2004 FOR S BORING DESIGNATIONS SUPPLEMENTED WITH GEOLOGIC DATA FROM 2011 FREON-11 MONITORING WELL INSTALLATIONS.

2) TVOC PLUME DISTRIBUTION BASED ON 4th QUARTER 2013 BLDG 96 SAMPLING EVENT.

3) FREON 11 PLUME DISTRIBUTION BASED ON 4TH QUARTER 2013 MONITORING WELL SAMPLING EVENT.

4) CONTOUR INTERVAL IS AS SHOWN.

5) BNL WELL ID COLOR CORRESPONDS TO LONG-TERM MONITORING PROGRAM WELL LOCATION MAP.

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BROOKHAVEN NATIONAL LABORATORY
ENVIRONMENTAL PROTECTION DIVISION

TITLE:

FACILITY MONITORING PROGRAM, BUILDING 452 AREA FREON-11, 4th QUARTER 2013 HYDROGEOLOGIC CROSS SECTION (Q-Q')

2013 BNL GROUNDWATER STATUS REPORT

DWN: AJZ	VT:HZ.: 1.5:1	DATE: 06/12/14	PROJECT NO.: –
CHKD: JEB	APPD: DEP	REV.: 08/13/14	NOTES: –
FIGURE NO.: 3.2.3-2			