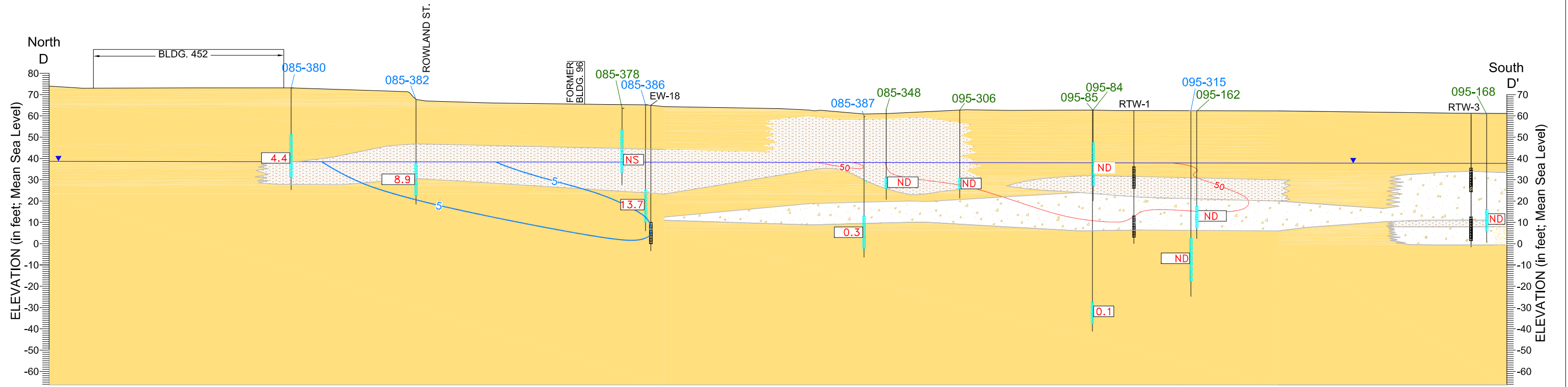


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LEGEND

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.

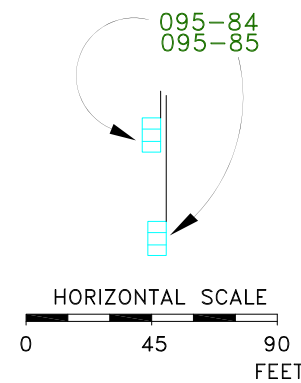
- 085-382 BNL Monitoring Well ID
- 139 Freon-11 Concentration (µg/L)

- 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 5-9, 2016
- TVOC - Total Volatile Organic Compounds
- µg/L - Micrograms Per Liter
- PCE - Tetrachloroethylene

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



NOTES:

- 1) GEOLOGIC INFORMATION SHOWN IS BASED ON GEOLOGIC DATA FROM 1999, SUPPLEMENTED WITH LITHOLOGIC DATA COLLECTED JUNE AND NOV. 2004 AND 2011 FREON-11 MONITORING WELL INSTALLATIONS.
- 2) TVOC PLUME DISTRIBUTION BASED ON 4th QUARTER 2016 BLDG 96 SAMPLING EVENT.
- 3) FREON 11 PLUME DISTRIBUTION BASED ON 3rd QUARTER 2016 MONITORING WELL SAMPLING EVENT.
- 4) CONTOUR INTERVAL IS AS SHOWN.
- 5) BNL WELL ID COLOR CORRESPONDS TO LONG-TERM MONITORING PROGRAM WELL LOCATION MAP.



ENVIRONMENTAL PROTECTION DIVISION

TITLE:

FACILITY MONITORING PROGRAM
 BUILDING 452 AREA FREON-11 PLUME, 3rd QUARTER 2016
 HYDROGEOLOGIC CROSS SECTION (D-D')

2016 BNL GROUNDWATER STATUS REPORT

DWN: AJZ	VT:HZ.: 1.5:1	DATE: 06/14/17	PROJECT NO.: -
CHKD: JEB	APPD: DEP	REV.: -	NOTES: -

FIGURE NO.: 3.2.2-2