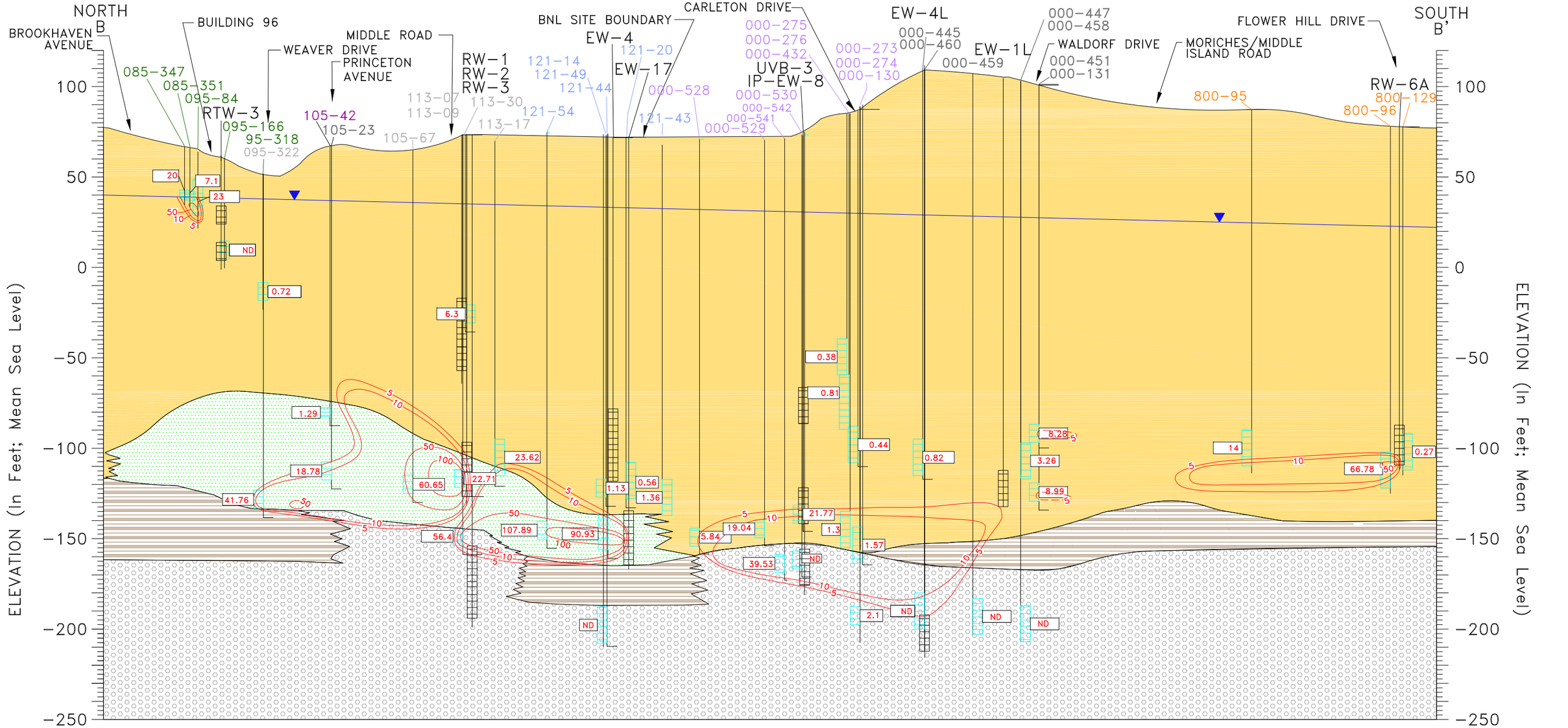


LEGEND

Upper Glacial aquifer
- UG Upper Glacial Sands
- UC Upper Glacial Silts & Clays
- UU Upton Unit

Gardiners Clay
- GL Gardiners Clay
- GS Gardiners Clay – Silt

Magothy aquifer
- MA Magothy Sands and Clay
- MB Magothy Brown Clay
- MC Magothy Clays (undiff)
- MO Magothy – OTHER

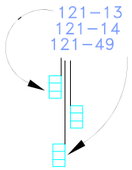
HORIZONTAL SCALE
0 500 1000 FEET

- 000-114 BNL Well ID
- 1.84 TVOC Concentration (µg/L)
- ND Not detected at or above laboratory method detection limits
- NS Not Sampled
- 50 TVOC Contour (µg/L) (Dashed Where Inferred)
- Monitoring Well Screen
- Extraction Well Screen
- Water Table As Of JAN. 25 – Jan 28, 2021

TVOC – Total Volatile Organic Compound

µg/L – Micrograms Per Liter

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 ADDITIONAL EXPLORATIONS (e.g., HYDROPUNCHES, GEOPROBES, VERTICAL PROFILES, AND/OR TEST WELLS) DOCUMENTED IN PREVIOUS, MORE DETAILED REPORTS, 2001 PREDESIGN CHARACTERIZATION, AND WELL 105-22 SAMPLING EVENT APRIL 2005.

2) PLUME DISTRIBUTION IS BASED ON FOURTH QUARTER 2020 OU III SAMPLING EVENT AND DATA FROM WELLS USED FOR OU III AOC 29 (HFBR) MONITORING. THIS DATA IS SUPPLEMENTED WITH SAMPLING EVENTS FOR BGRR, BUILDING 96, INDUSTRIAL PARK, CARBON TETRACHLORIDE, MIDDLE ROAD, AND OFFSITE CHARACTERIZATION DATA.

3) CONTOUR INTERVAL IS AS SHOWN.

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

BROOKHAVEN NATIONAL LABORATORY
ENVIRONMENTAL PROTECTION DIVISION

TITLE:

OU III
TVOC HYDROGEOLOGIC CROSS SECTION (B-B')
2020 BNL GROUNDWATER STATUS REPORT

DWN:	VT: HZ.:	DATE:	PROJECT NO.:
AJZ	20: 1	04/15/21	–
CHKD:	APPD:	REV.:	NOTES:
WRD	WRD	06/14/21	–

FIGURE NO.: 3.2-2

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