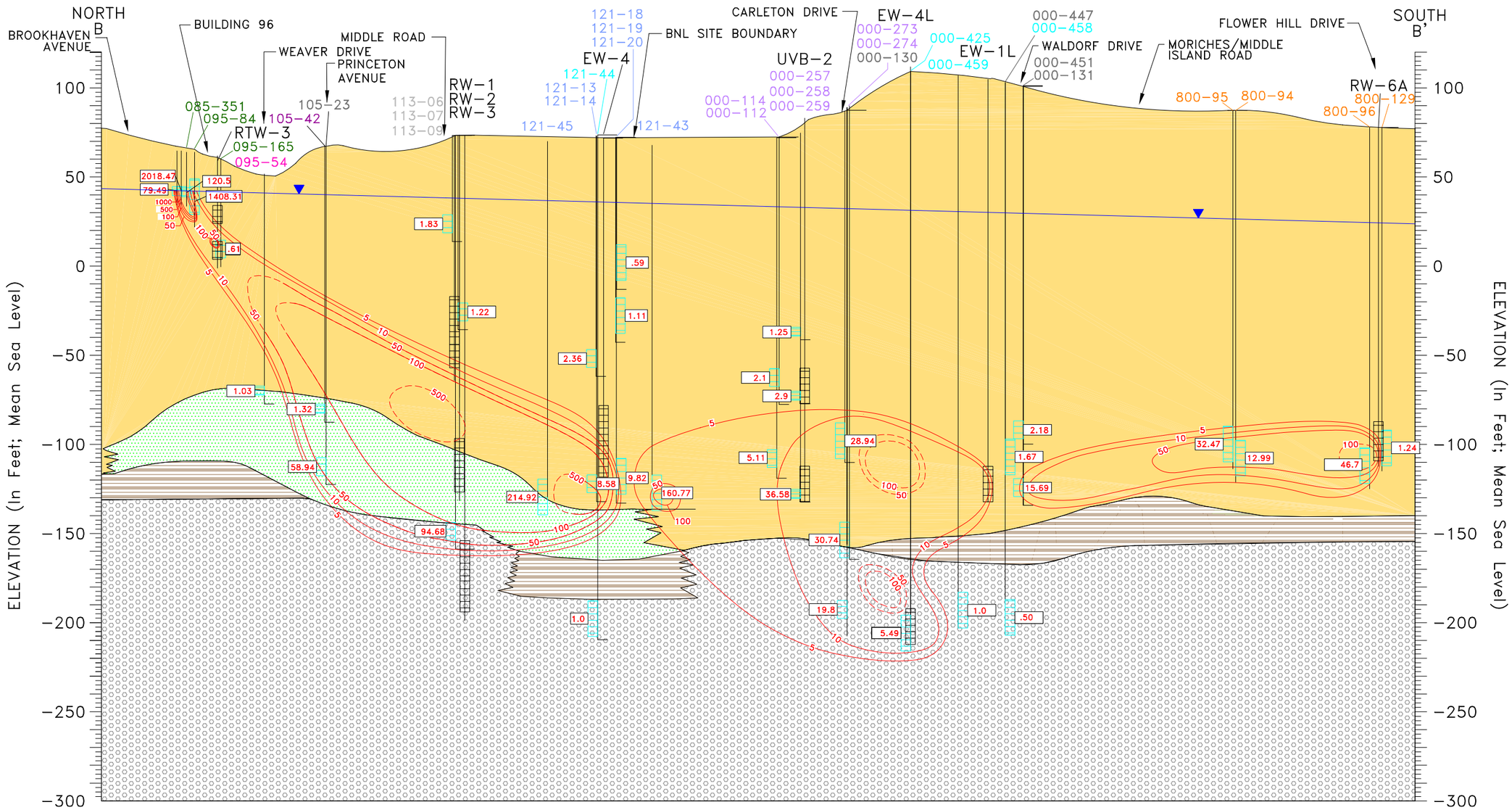

LEGEND

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 June 22–26, 2009
TVOC – Total Volatile Organic Compound
µg/L – Micrograms Per Liter
GP-02 Geoprobe Borings
3.13 / .13 TVOC Concentration (µg/L)

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 2009 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.

\\OERNT\GIS\GW_PROJECTS\CY_2009_GW_REPORT\FINAL_FIGURES\FIG_3.02-02.DWG

BROOKHAVEN NATIONAL LABORATORY
ENVIRONMENTAL PROTECTION DIVISION

TITLE:
OU III
TVOC HYDROGEOLOGIC CROSS SECTION (B–B')
2009 BNL GROUNDWATER STATUS REPORT

DWN: AJZ	VT:HZ.: 20:1	DATE: 06/14/10	PROJECT NO.: –
CHKD: JEB	WRD –	REV.: –	NOTES: –
FIGURE NO.: 3.2–2			