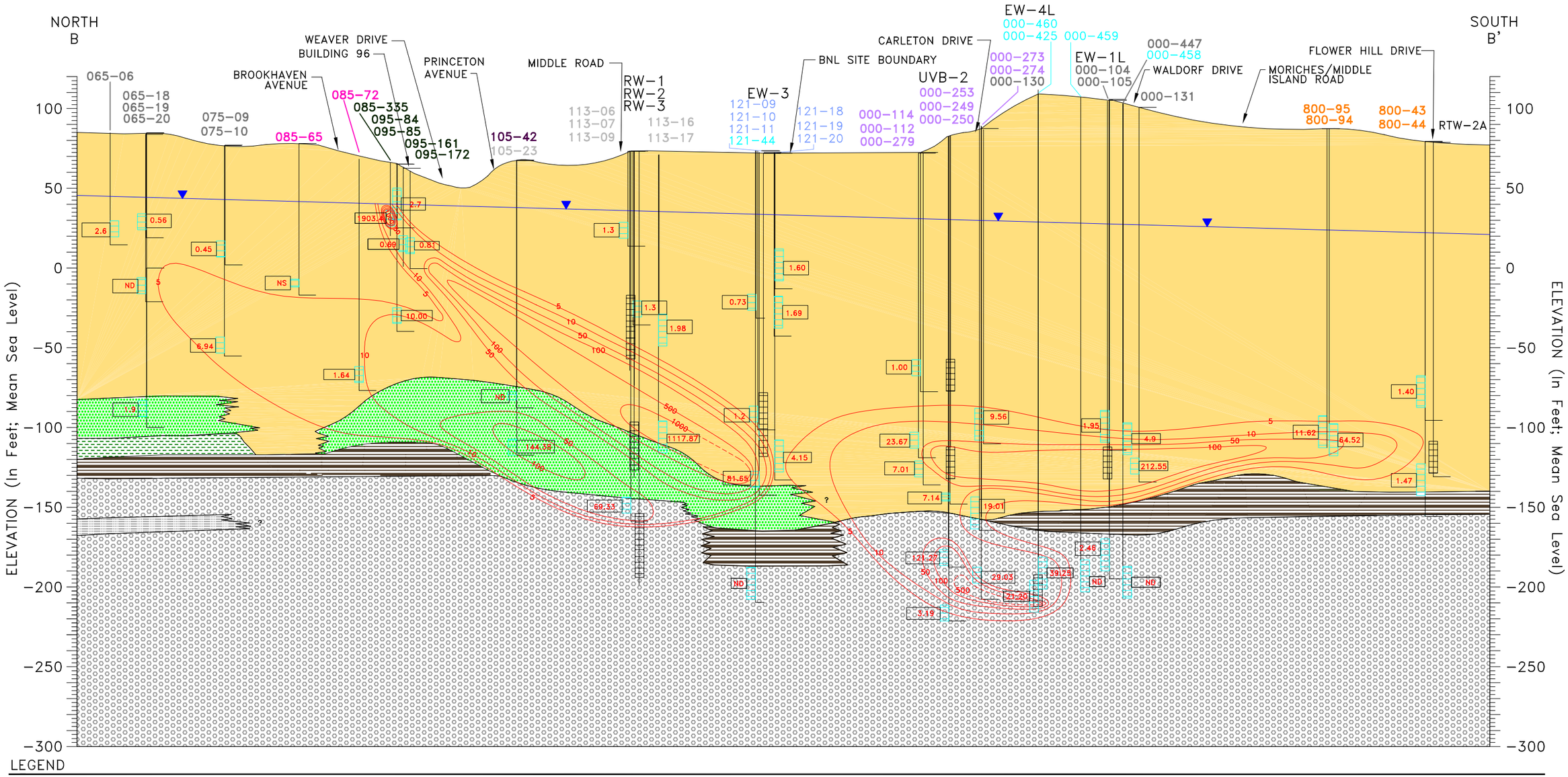

LEGEND

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

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

HORIZONTAL SCALE
0 500 1000 FEET

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

000-114 BNL Well ID

1.3 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)

Water Table As Of December 21-23, 2004

Monitoring Well Screen

Extraction Well Screen

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 AND 2001 PREDESIGN CHARACTERIZATION. WELL 105-22 SAMPLING EVENT APRIL 2005.

2) PLUME DISTRIBUTION IS BASED ON FOURTH QUARTER 2004 OU III SAMPLING EVENT DATA FROM WELLS USED FOR OU III AOC 29 (HFBR) MONITORING. THIS DATA IS SUPPLEMENTED WITH SAMPLING EVENT AND 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_2004_GW_REPORT\FINAL_FIGURES\FIG_3.02-02.DWG

BROOKHAVEN NATIONAL LABORATORY
EWMS DIVISION

TITLE:

OU III
TVOC HYDROGEOLOGIC CROSS SECTION (B-B')
2004 BNL GROUNDWATER STATUS REPORT

DWN: YS	VT:HZ.: 20:1	DATE: 06/14/05	PROJECT NO.: 07926
CHKD: JEB	APPD: WRD	REV.: –	NOTES: –
FIGURE NO.: 3.2-2			