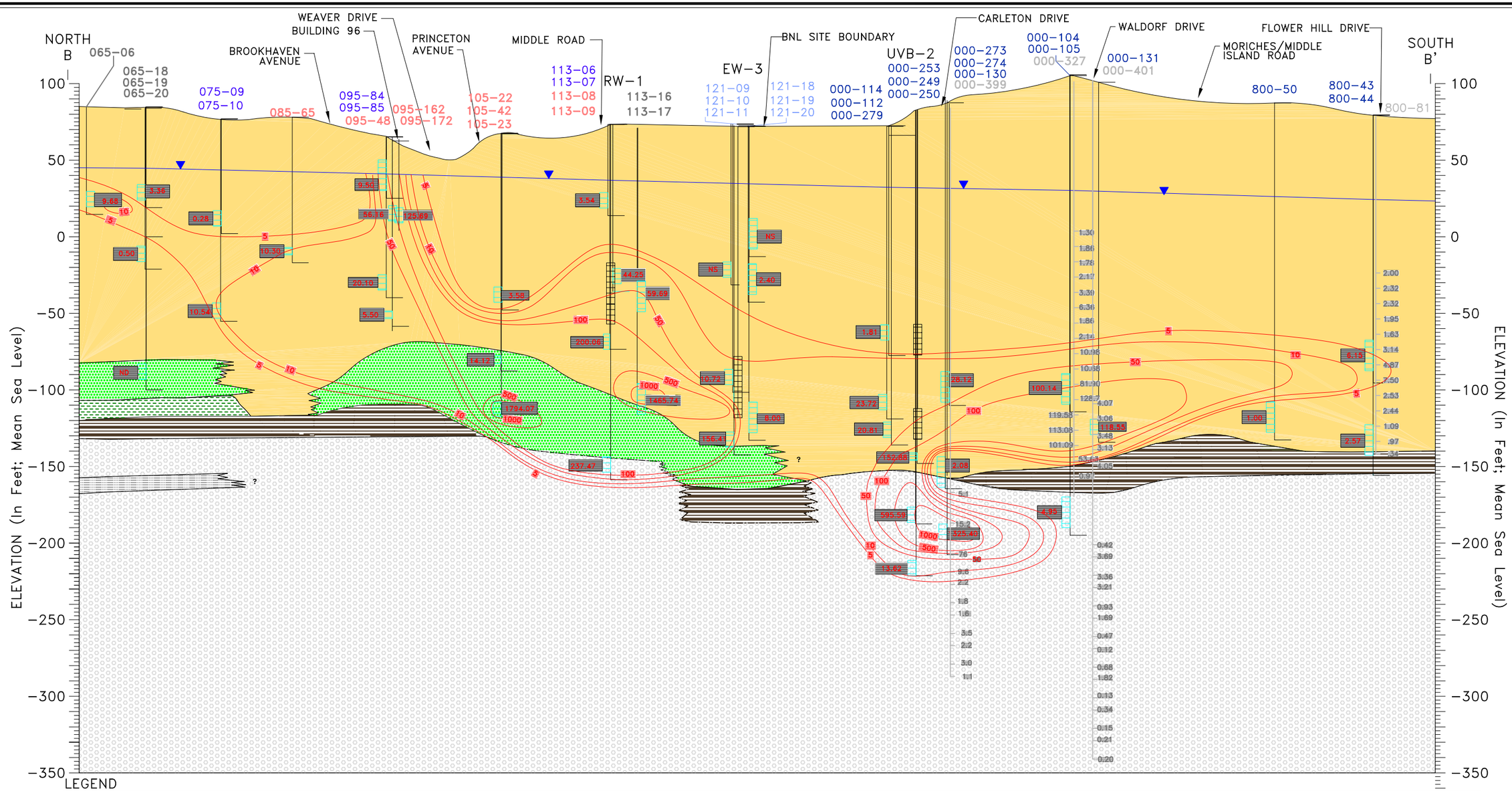

LEGEND

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)

0 500 1000
FEET

000-130 BNL Well ID

0.79 TVOC Concentration (µG/L)

50 TVOC Contour (µG/L) (Dashed Where Inferred)

Monitoring Well Screen

Extraction Well Screen

Water Table As Of December 17-20, 2001

000-327 Vertical profile location

1.30 / 1.86 Vertical profile location 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 AND 2001 PREDESIGN CHARACTERIZATION.

2) PLUME DISTRIBUTION IS BASED ON OCTOBER AND NOVEMBER 2001 OUIII SAMPLING EVENT DATA FROM WELLS USED FOR OU III AOC 29 (HFBR) MONITORING. THIS DATA IS SUPPLEMENTED WITH NORTH STREET EAST PREDESIGN AND MAGOTHY AQUIFER CHARACTERIZATION DATA.

3) CONTOUR INTERVAL IS AS SHOWN.

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

5) VERTICAL PROFILE DATA IS SCREENING LEVEL QUALITY DATA. TOLUENE DETECTIONS MAY BE LARGELY DUE TO FIELD CONTAMINATION ISSUES. TVOC VALUES POSTED INCLUDE ALL VOLATILE COMPOUNDS ANALYZED, VERTICAL PROFILE DATA IS BEING USED AS GUIDANCE IN CONTOURING TVOC PLUMES.

//OERNT/GIS/GW_PROJECTS/CY2000_GW_REPORT/Final Draft Figures/Fig 3_2_02.dwg

BROOKHAVEN NATIONAL LABORATORY
ENVIRONMENTAL SERVICES DIVISION

TITLE:

OU III
TVOC HYDROGEOLOGIC CROSS SECTION (B–B')

2001 BNL GROUNDWATER STATUS REPORT

DWN:	VT:HZ.:	DATE:	PROJECT NO.:
KCK	20:1	06/13/02	07176
CHKD: WRD	APPD: WRD	REV.: –	NOTES: –

FIGURE NO.: 3.2–2