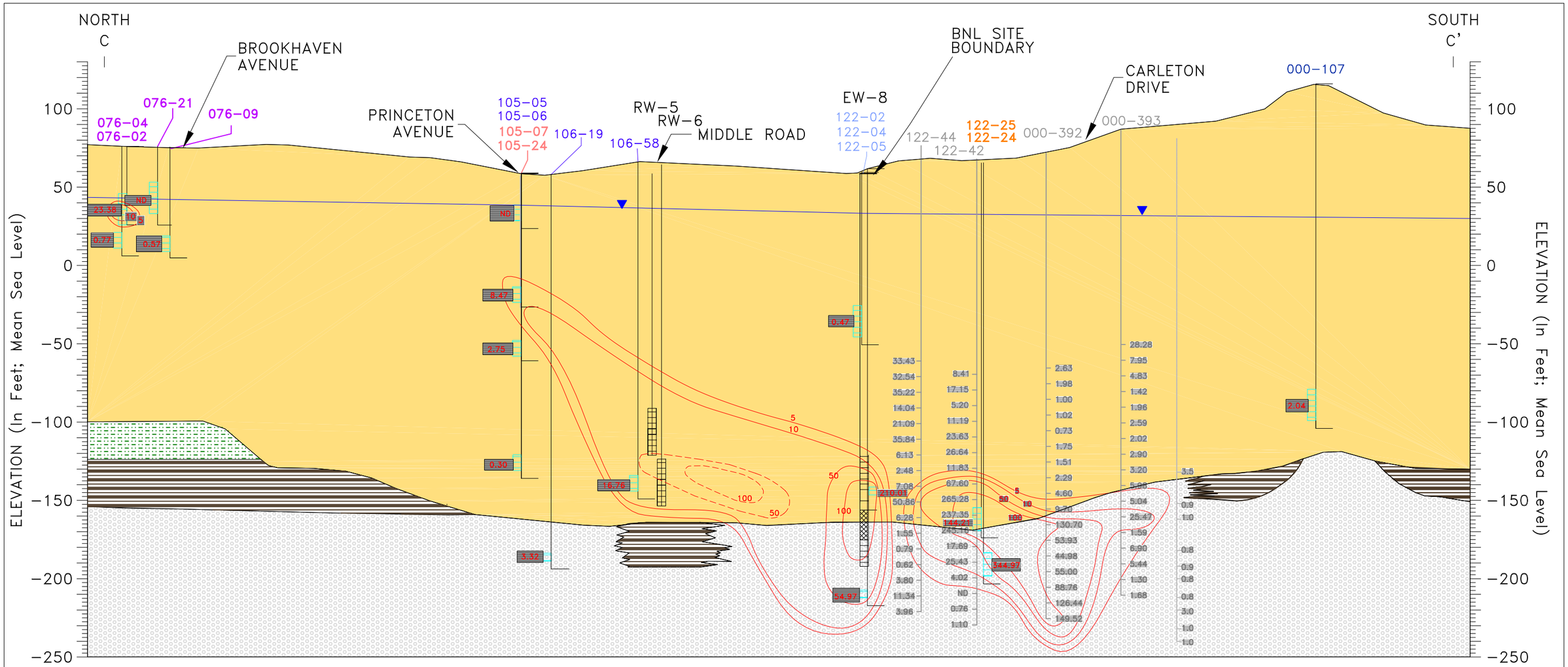

LEGEND

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 (undifferentiated)
- MO Magothy – OTHER

122-02 BNL Well ID

ND Indicates not detected at or above laboratory method detection limits

32.00 TVOC Concentration (µG/L)

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

000-392 2.63 1.98 Vertical profile location with TVOC Concentration (µG/L)

Water Table As Of December 17–20, 2001

Monitoring Well Screen

Extraction Well Screen With Blank

0 400 800 FEET

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 2001 OU IV AOC 5, NOVEMBER/DECEMBER 2001 NORTH STREET, AND NOVEMBER/DECEMBER 2001 OU III CENTRAL SAMPLING EVENTS SUPPLEMENTED WITH JULY/AUGUST 2001 RESULTS FROM OU III AOC 29 (HFBR) MONITORING.

3) CONTOUR INTERVAL IS AS SHOWN.

4) BNL WELL ID COLOR CORRESPONDS TO LONG-TERM MONITORING PROGRAM CODE.

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\CY_2001_GW_REPORT\FNAL_DRAFT_FIGURES\Fig 3_2_03.DWG

BROOKHAVEN NATIONAL LABORATORY

ENVIRONMENTAL SERVICES DIVISION

TITLE:

OU IV
TVOC HYDROGEOLOGIC CROSS SECTION (C–C')

2001 BNL GROUNDWATER STATUS REPORT

DWN:	VT:HZ.:	DATE:	PROJECT NO.:
KCK	12.5:1	06/13/02	07176
CHKD: WRD	APPD: WRD	REV.: –	NOTES: –
FIGURE NO.: 3.2–3			