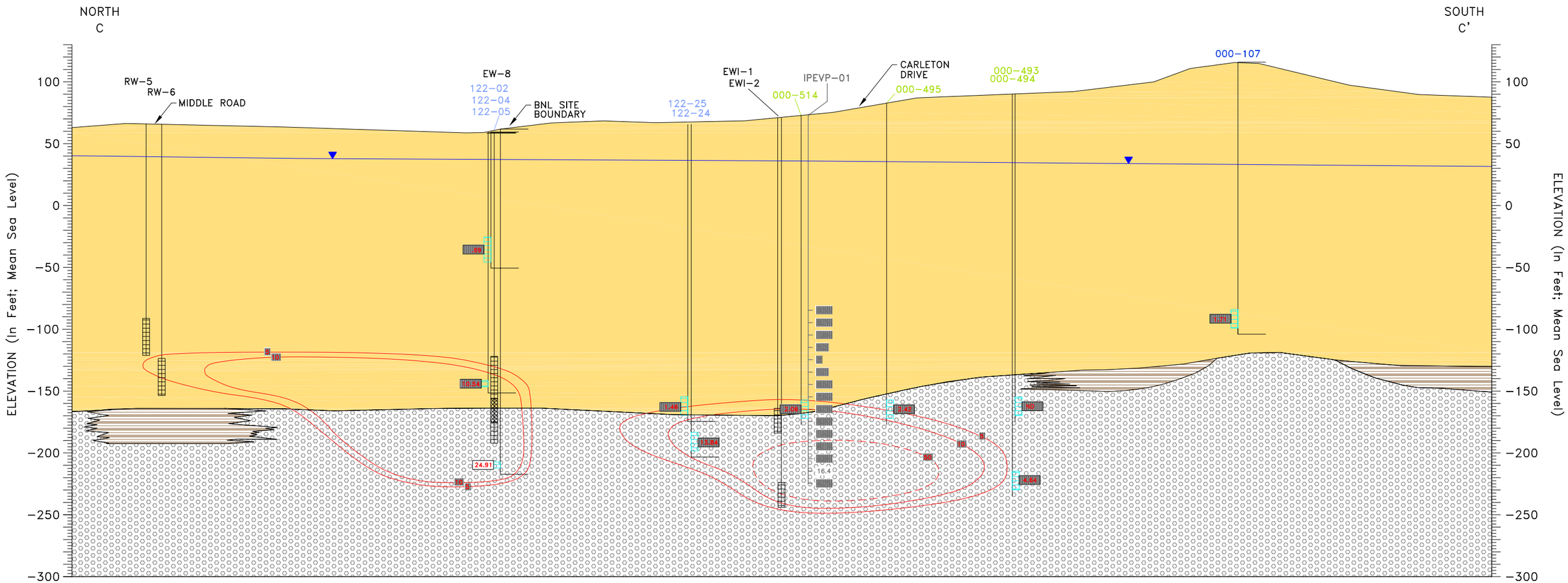

LEGEND

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

105-05 BNL Well ID

ND Not detected

1.71 TVOC Concentration (µg/L)

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

IPEVP-01 Vertical Profile Borings

.55 TVOC Concentration (µg/L)

.74

Water Table As Of December 11-15, 2006

Monitoring Well Screen

Extraction Well Screen With Blank

HORIZONTAL SCALE

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 THE FOURTH QUARTER 2006 OU IV AOC 5, NORTH STREET, OU III CENTRAL, MIDDLE ROAD, OU III SOUTH BOUNDARY, INDUSTRIAL PARK EAST, AND OU III OFFSITE SAMPLING EVENTS, SUPPLEMENTED WITH THE THIRD QUARTER MONITORING.

3) CONTOUR INTERVAL IS AS SHOWN.

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

\\OERNT\GIS\GW_PROJECTS\CY_2006_GW_REPORT\FINAL_DRAFT_FIGURES\FIG_3.02-03.DWG

BROOKHAVEN NATIONAL LABORATORY

EWMS DIVISION

TITLE:

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

2006 BNL GROUNDWATER STATUS REPORT

DWN:	VT:HZ.:	DATE:	PROJECT NO.:
YS	6:1	06/15/07	–
CHKD:	APPD:	REV.:	NOTES:
JEB	WRD	–	–

FIGURE NO.: 3.2–3