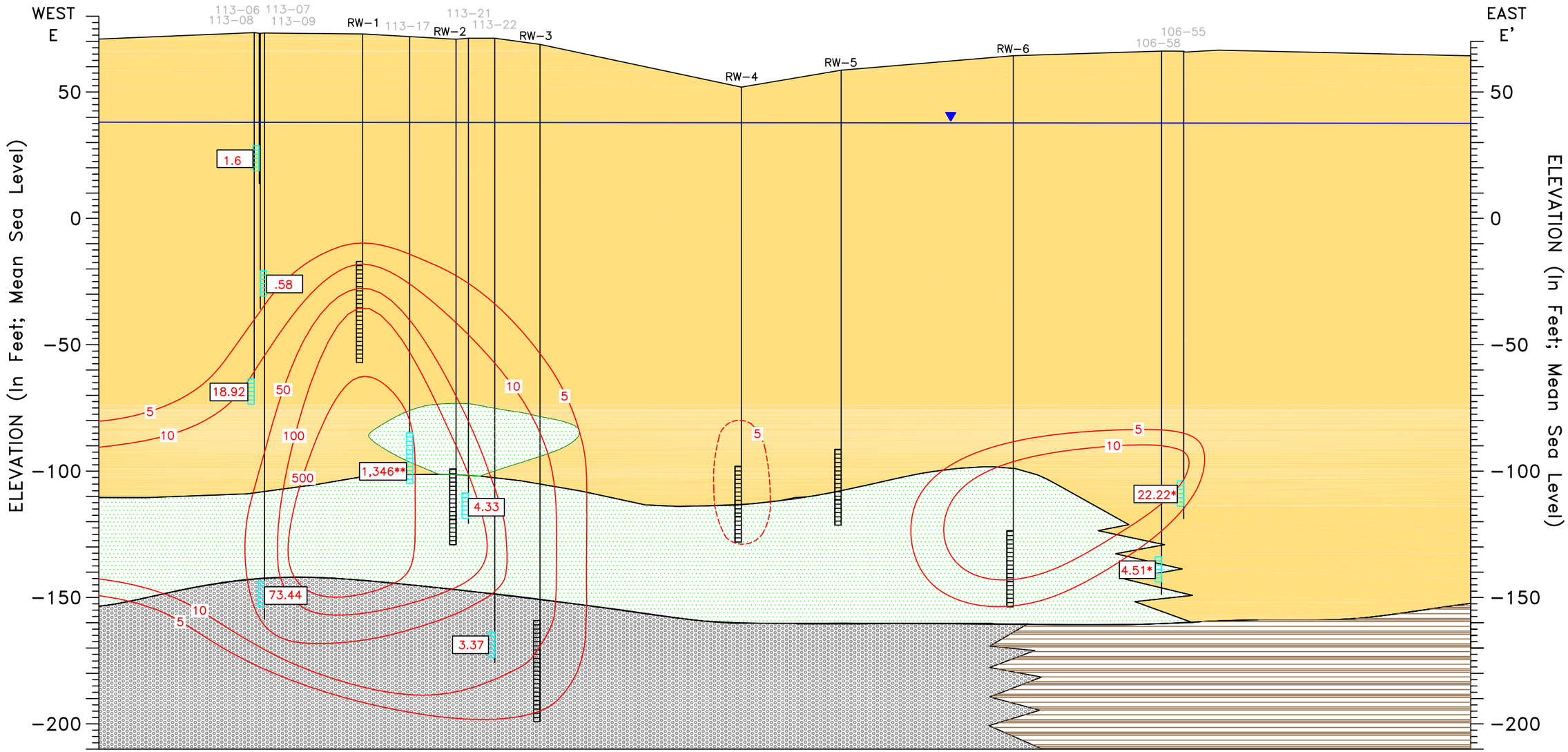

LEGEND

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

RW–1 Extraction Well

106–56 BNL Well ID

ND Indicates not detected at or above laboratory method detection limits

18.92 TVOC Concentration (µg/L)

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

Water Table As Of December 12–15, 2005

Monitoring Well Screen

Extraction Well Screen

HORIZONTAL SCALE

0 100 200 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.

2) PLUME DISTRIBUTION BASED ON FOURTH QUARTER 2005 OU III SAMPLING EVENTS. * INDICATES THIRD QUARTER 2005 SAMPLING EVENTS.

3) CONTOUR INTERVAL IS AS SHOWN.

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

5) ** WELL 113–17 IS LOCATED APPROXIMATELY 300 FEET SOUTH OF CROSS SECTION LINE E–E'.

\\OERNT\GIS\GW_PROJECTS\CY_2005_GW_REPORT\FINAL_DRAFT_FIGURES\FIG_3.02.03–02.DWG

BROOKHAVEN NATIONAL LABORATORY

EWMS DIVISION

TITLE:

OU III MIDDLE ROAD
TVOC HYDROGEOLOGIC CROSS SECTION (E–E')

2005 BNL GROUNDWATER STATUS REPORT

DWN:	VT: HZ.:	DATE:	PROJECT NO.:
YS	5:1	09/07/06	–
CHKD:	APPD:	REV.:	NOTES:
JEB	WRD	1	–
FIGURE NO.:			
3.2.3–2			