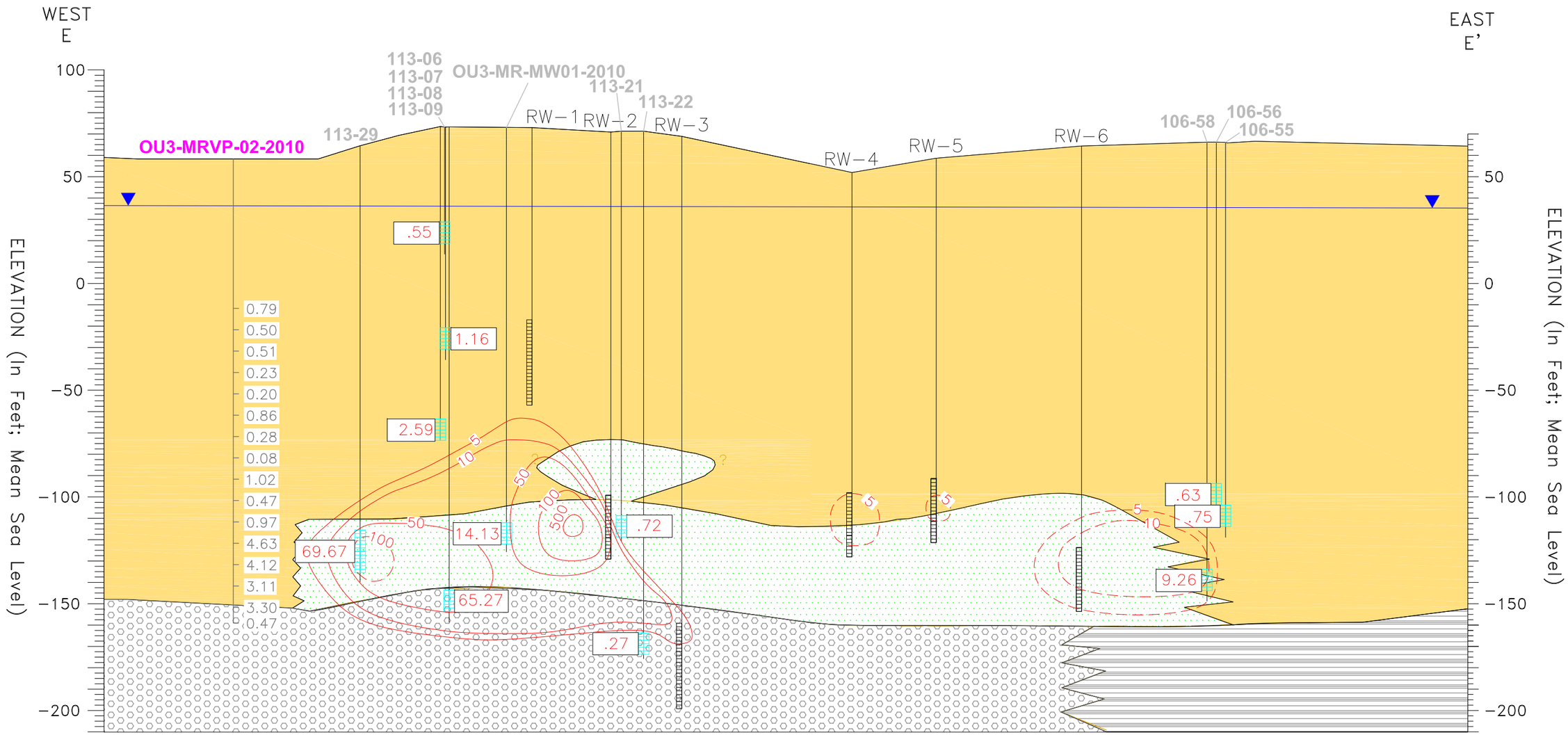

LEGEND

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

113−06 BNL Well ID

ND Indicates not detected at or above laboratory method detection limits

NS not sampled

1.84 TVOC Concentration (µg/L)

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

Water Table As Of November 7–10, 2011

Monitoring Well Screen

Extraction Well Screen

HORIZONTAL SCALE

0 100 200 FEET

Monitoring Well IDs are stacked in order of the depth of the well from shallow to deep

113−06
113−07
113−08

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 2011 OU III SAMPLING EVENTS.

3) CONTOUR INTERVAL IS AS SHOWN.

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

\\OERNT\GIS\GW_PROJECTS\CY_2011_GW_REPORT\FINAL_FIGURES\FIG_3.02.03-02.DWG

BROOKHAVEN NATIONAL LABORATORY

ENVIRONMENTAL PROTECTION DIVISION

TITLE:

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

2011 BNL GROUNDWATER STATUS REPORT

DWN:	VT:HZ.:	DATE:	PROJECT NO.:
AJZ	5:1	09/07/12	–
CHKD:	APPD:	REV.:	NOTES:
JEB	WRD	–	–

FIGURE NO.: 3.2.3–2