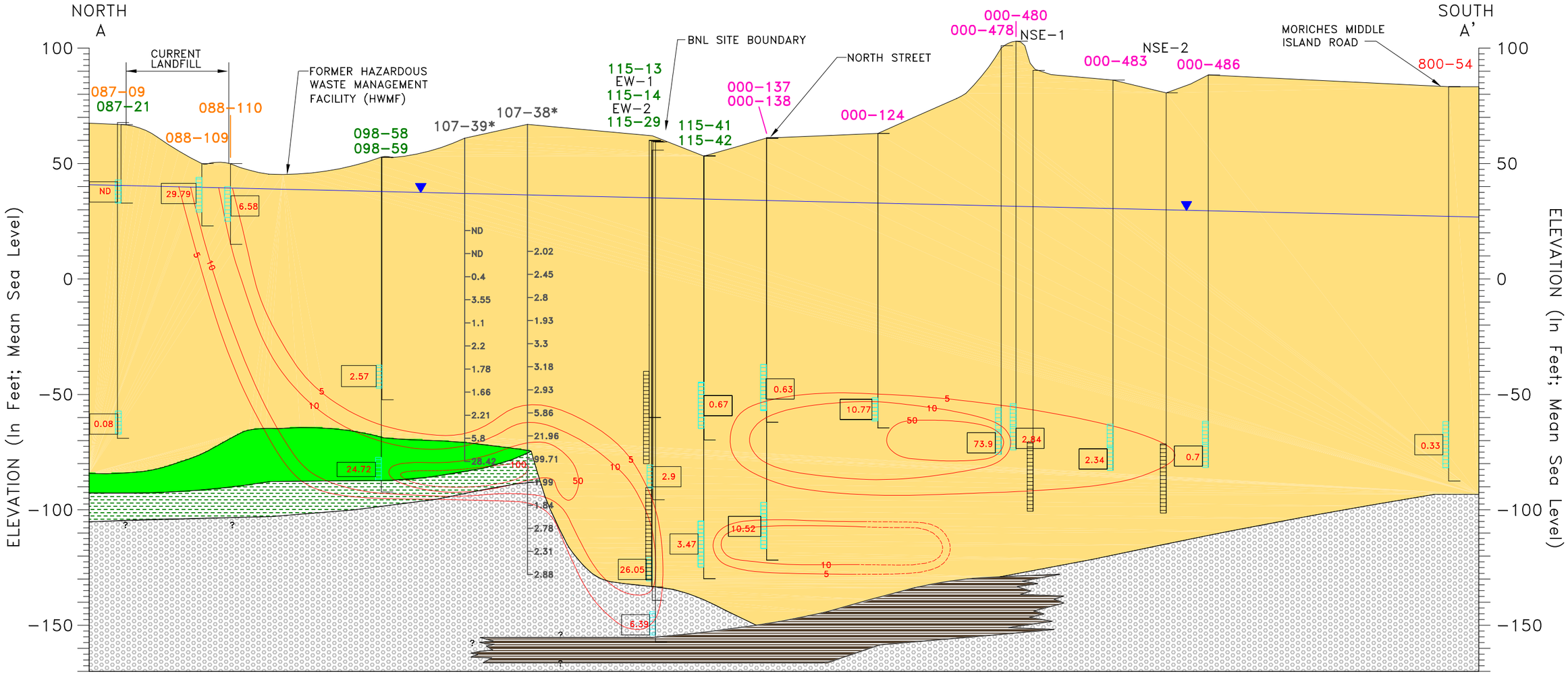

LEGEND

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

000–124 BNL Well ID

ND Indicates not detected at or above laboratory method detection limits

10.77 TVOC Concentration (µg/L)

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

Monitoring Well Screen

Extraction Well Screen

Water Table As Of December 21–23, 2004

107–38* 2.02 2.45 Temporary well and TVOC Concentration (µg/L) * Indicates first quarter 2005 sampling event.

HORIZONTAL SCALE

0 500 1000 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 THE 2002 PREDESIGN CHARACTERIZATION.

2) PLUME DISTRIBUTION BASED ON THIRD AND FOURTH QUARTER OU I / NORTH STREET EAST SAMPLING EVENT SUPPLEMENTED WITH THE FIRST QUARTER 2005 SAMPLING EVENT.

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_2004_GW_REPORT\FINAL_FIGURES\FIG_3.01-02.DWG

BROOKHAVEN NATIONAL LABORATORY

EWMS DIVISION

TITLE:

OU I SOUTH BOUNDARY / NORTH STREET EAST TVOC HYDROGEOLOGIC CROSS SECTION (A–A')

2004 BNL GROUNDWATER STATUS REPORT

DWN:	VT:HZ.:	DATE:	PROJECT NO.:
YS	20:1	06/14/05	07926
CHKD:	APPD:	REV.:	NOTES:
JEB	WRD	–	–

FIGURE NO.: 3.1–2