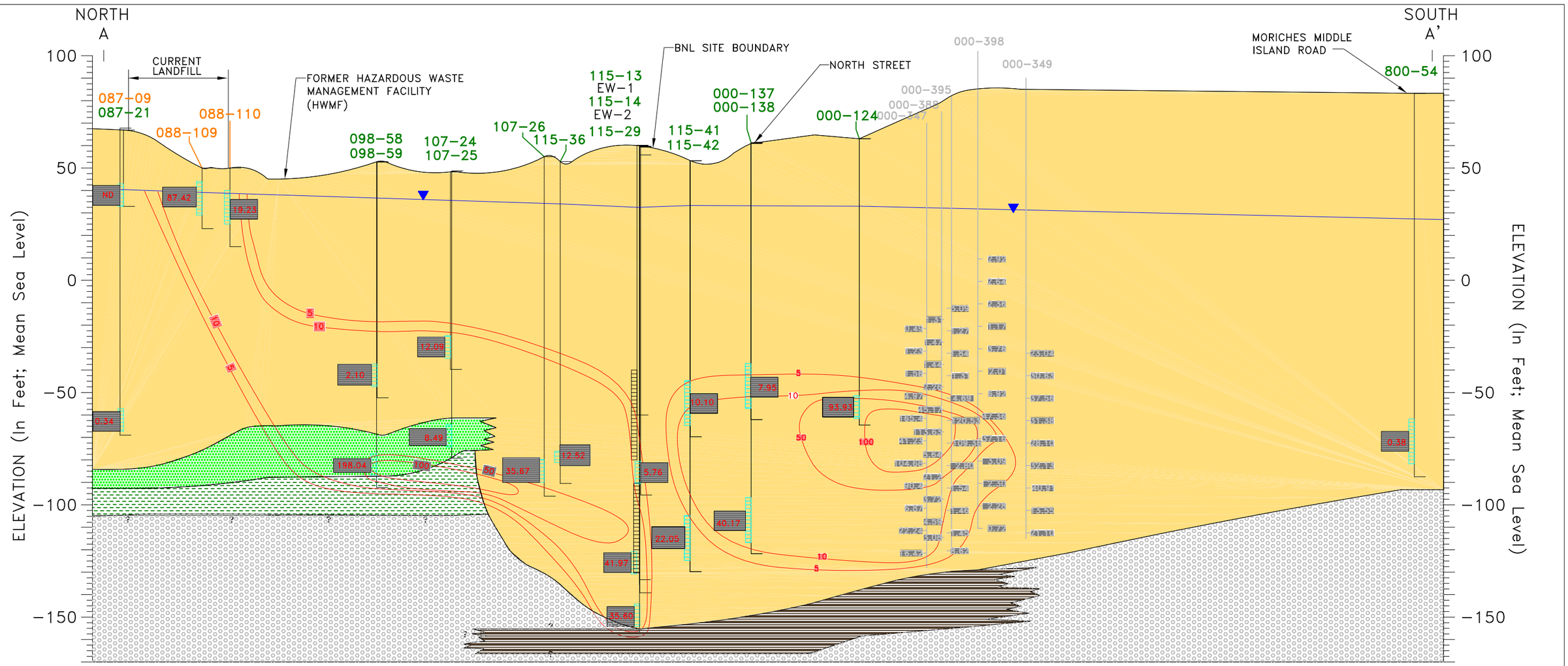

LEGEND

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

33.61 TVOC Concentration (µG/L)

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

Monitoring Well Screen

Extraction Well Screen

Water Table As Of December 17–20, 2001

000–349 1.17 1.60 Vertical profile location and TVOC Concentration (µG/L)

0 450 900
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 2001 PREDESIGN CHARACTERIZATION.

2) PLUME DISTRIBUTION BASED ON FOURTH QUARTER OU I / NORTH STREET EAST SAMPLING EVENT CONDUCTED BETWEEN OCTOBER 11 AND NOVEMBER 30, 2000 AND VERTICAL PROFILE SAMPLING CONDUCTED BETWEEN OCTOBER 17, 2001 AND FEBRUARY 21, 2002.

3) CONTOUR INTERVAL IS AS SHOWN.

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

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\FIG3_1_02.DWG

BROOKHAVEN NATIONAL LABORATORY

ENVIRONMENTAL SERVICES DIVISION

TITLE:

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

2001 BNL GROUNDWATER STATUS REPORT

DWN:	VT:HZ.:	DATE:	PROJECT NO.:
KCK	20:1	06/13/02	07176
CHKD: WRD	APPD: WRD	REV.: –	NOTES: –
FIGURE NO.: 3.1–2			