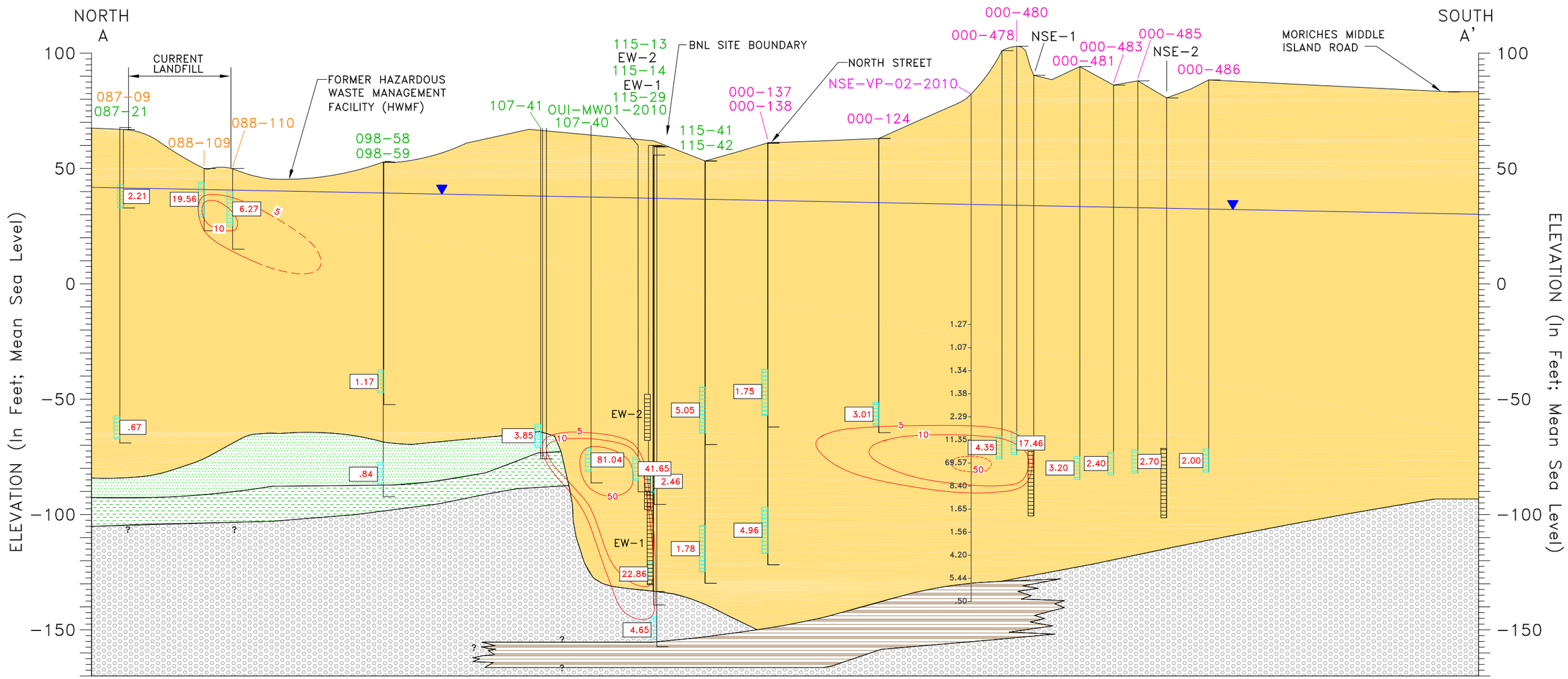

LEGEND

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

087–21 BNL Well ID

ND Indicates not detected at or above laboratory method detection limits

7.54 TVOC Concentration (µg/L)

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

Monitoring Well Screen

Extraction Well Screen

Water Table As Of November 1–4, 2010

TVOC– Total Volatile Organic Compound

µg/L– Micrograms Per Liter

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 FOURTH QUARTER 2009 SOUTH BOUNDARY / NORTH STREET EAST SAMPLING EVENT.

3) CONTOUR INTERVAL IS AS SHOWN.

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

BROOKHAVEN NATIONAL LABORATORY

ENVIRONMENTAL PROTECTION DIVISION

TITLE:

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

2010 BNL GROUNDWATER STATUS REPORT

DWN:	VT:HZ.:	DATE:	PROJECT NO.:
AJZ	20:1	06/30/11	–
CHKD:	APPD:	REV.:	NOTES:
JEB	WRD	–	–
FIGURE NO.:			
3.1–2			

\\OERNT\GIS\GW_PROJECTS\CY_2009_GW_REPORT\FINAL_FIGURES\FIG_3.01-02.DWG