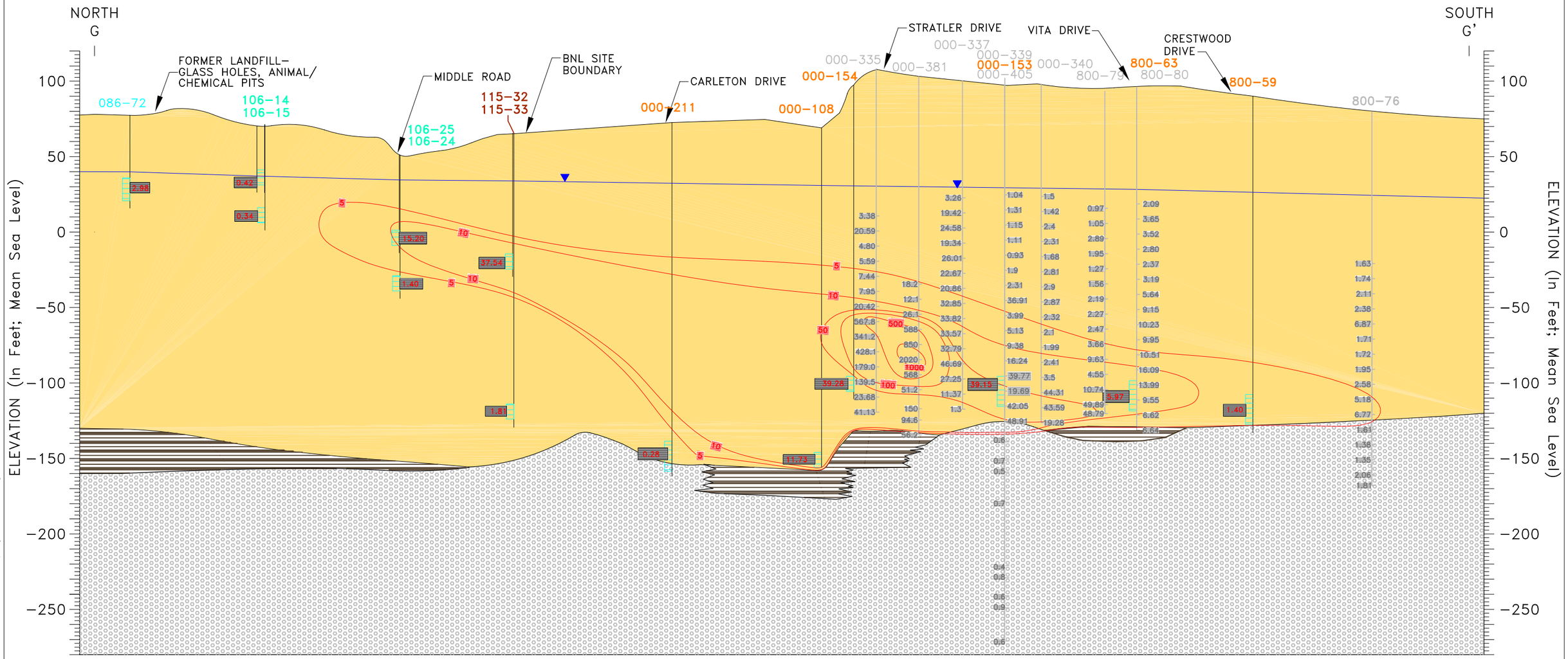

LEGEND

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

0 500 1000
FEET

000–108 BNL Well ID

ND Indicates not detected at or above laboratory method detection limits

89.00 TVOC Concentration (µG/L)

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

Monitoring Well Screen

Water Table As Of December 17–20, 2001

800–79 0.97 1.05 Vertical profile location and TVOC Concentration (µG/L)

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 2001 FORMER LANDFILL (FLF) AND OUI/IV SAMPLING EVENTS SUPPLEMENTED WITH SECOND QUARTER 2001 (JUNE) CHEMICAL/ANIMAL HOLES, SELECT SEPTEMBER 2001 RA V SAMPLING DATA AND SELECT NORTH STREET AND MAGOTHY AQUIFER CHARACTERIZATION VERTICAL PROFILE TVOC DATA.

3) PLUME DISTRIBUTION INFERRED PARTIALLY FROM DETAILED INVESTIGATION RESULTS DOCUMENTED AND PRESENTED IN OPERABLE UNIT–SPECIFIC REPORT(S).

4) CONTOUR INTERVAL IS AS SHOWN.

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

6) 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/FINAL DRAFT FIGURES/Fig 3_2_48.dwg

BROOKHAVEN NATIONAL LABORATORY
ENVIRONMENTAL SERVICES DIVISION

TITLE:

NORTH STREET (OU I/IV, FORMER LANDFILL, ANIMAL/CHEMICAL PITS AND GLASS HOLES) TVOC HYDROGEOLOGIC CROSS SECTION (G–G')

2001 BNL GROUNDWATER STATUS REPORT

DWN: KCK	VT:HZ.: 15:1	DATE: 06/13/02	PROJECT NO.: 07176
CHKD: WRD	APPD: WRD	REV.: –	NOTES: –
FIGURE NO.: 3.2–48			