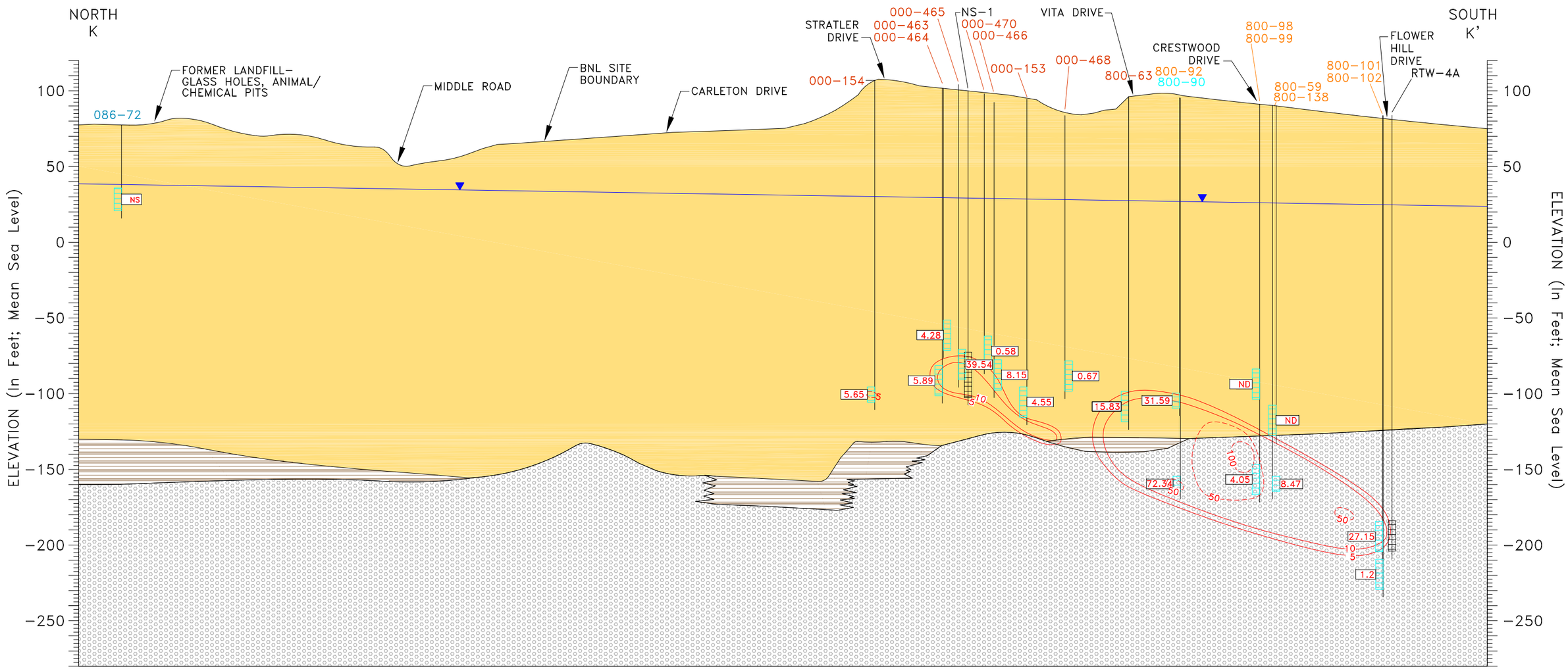

LEGEND

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

TVOC – Total Volatile Organic Compound

µg/L – Micrograms Per Liter

800–63 BNL Well ID

ND Indicates not detected at or above laboratory method detection limits

65.2 TVOC Concentration (µg/L)

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

Monitoring Well Screen

Extraction Well Screen

Water Table As Of December 7–11, 2015

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

000–463
000–464

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.

2) PLUME DISTRIBUTION BASED ON FOURTH QUARTER 2015 FORMER LANDFILL (FLF) AND OUI/IV SAMPLING EVENTS.

3) CONTOUR INTERVAL IS AS SHOWN.

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

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BROOKHAVEN NATIONAL LABORATORY

ENVIRONMENTAL PROTECTION DIVISION

TITLE:

NORTH STREET (OU I/IV FORMER LANDFILL, CHEMICAL/ANIMAL HOLES)
TVOC HYDROGEOLOGIC CROSS SECTION (K–K')
2015 BNL GROUNDWATER STATUS REPORT

DWN: AJZ	VT:HZ.: 15:1	DATE: 06/14/16	PROJECT NO.: –
CHKD: JEB	APPD: WRD	REV.: –	NOTES: –
FIGURE NO.: 3.2.8–2			