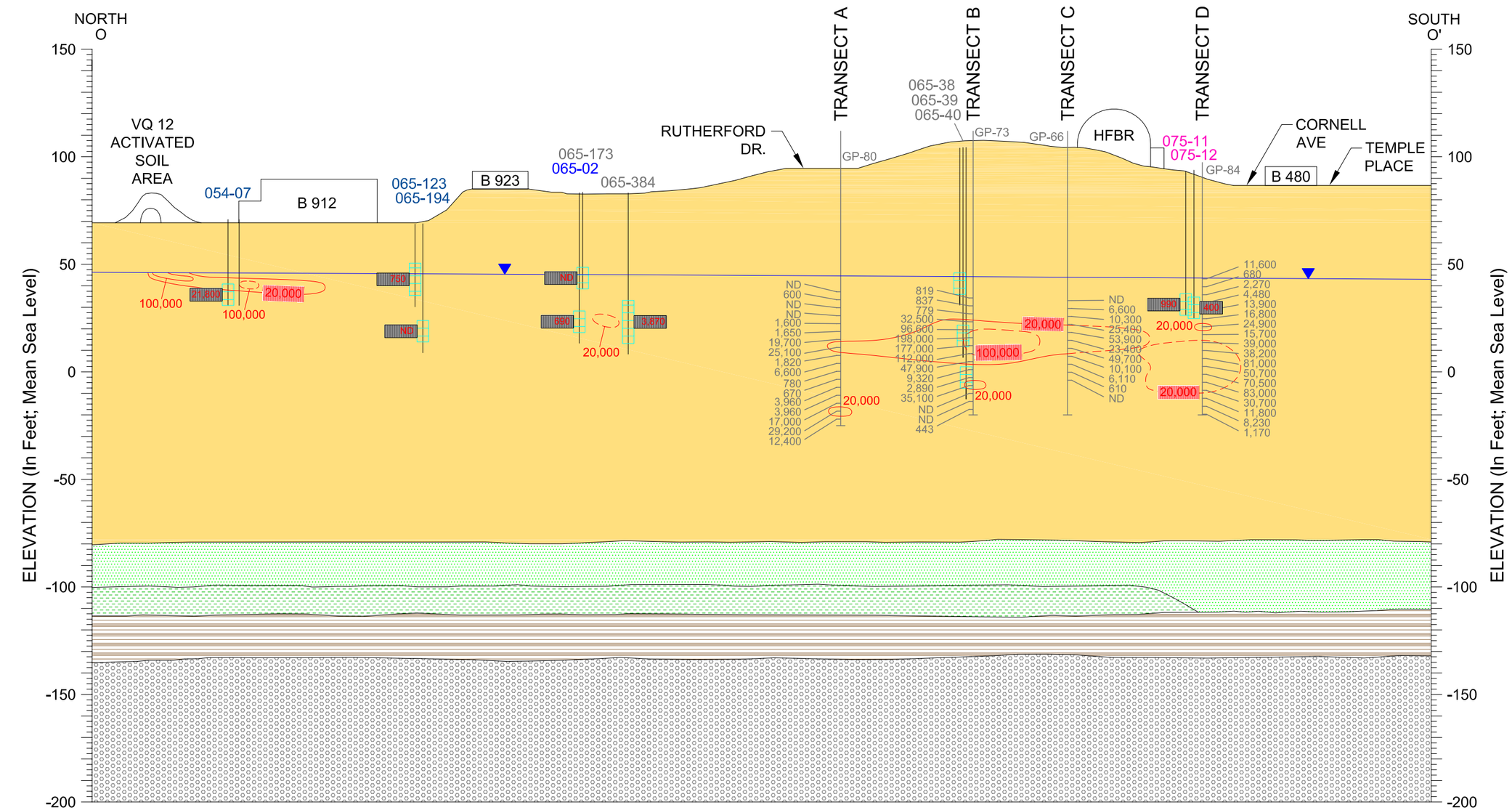

LEGEND

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

065-40 BNL Well ID

Monitoring Well Screen

Water Table As Of December 3–6, 2007

20,000 Tritium Concentration (pCi/L)

100,000 Tritium Contour (pCi/L) (Dashed Where Inferred)

HORIZONTAL SCALE

0 100 200 FT

NOTES:

1) GEOLOGIC INFORMATION SHOWN IS BASED ON ADDITIONAL EXPLORATIONS (e.g., HYDROPUNCHES, GEOPROBES, VERTICAL PROFILES, AND/OR TEST WELLS).

2) PLUME DISTRIBUTION IS BASED ON THE MAXIMUM TRITIUM RESULT AT EACH LOCATION DURING JUNE 2007 – FEBRUARY 2008 SAMPLING EVENTS.

3) CONTOUR INTERVAL IS AS SHOWN.

4) BNL WELL ID COLOR CORRESPONDS TO LONG-TERM MONITORING PROGRAM COLOR CODE.

\\OERNT\GIS\GW_PROJECTS\CY_2007_GW_REPORT\FINAL_FIGURES\FIG_4-09.DWG

BROOKHAVEN NATIONAL LABORATORY

EWMS DIVISION

TITLE:

ENVIRONMENTAL SURVEILLANCE
AOC 16T g-2 TRITIUM PLUME
CROSS SECTION (O–O')
2007 BNL GROUNDWATER STATUS REPORT

DWN: YS	VT:HZ.: 5:1	DATE: 06/13/08	PROJECT NO.: –
CHKD: DEP	APPD: WRD	REV.: –	NOTES: –
FIGURE NO.: 4–9			