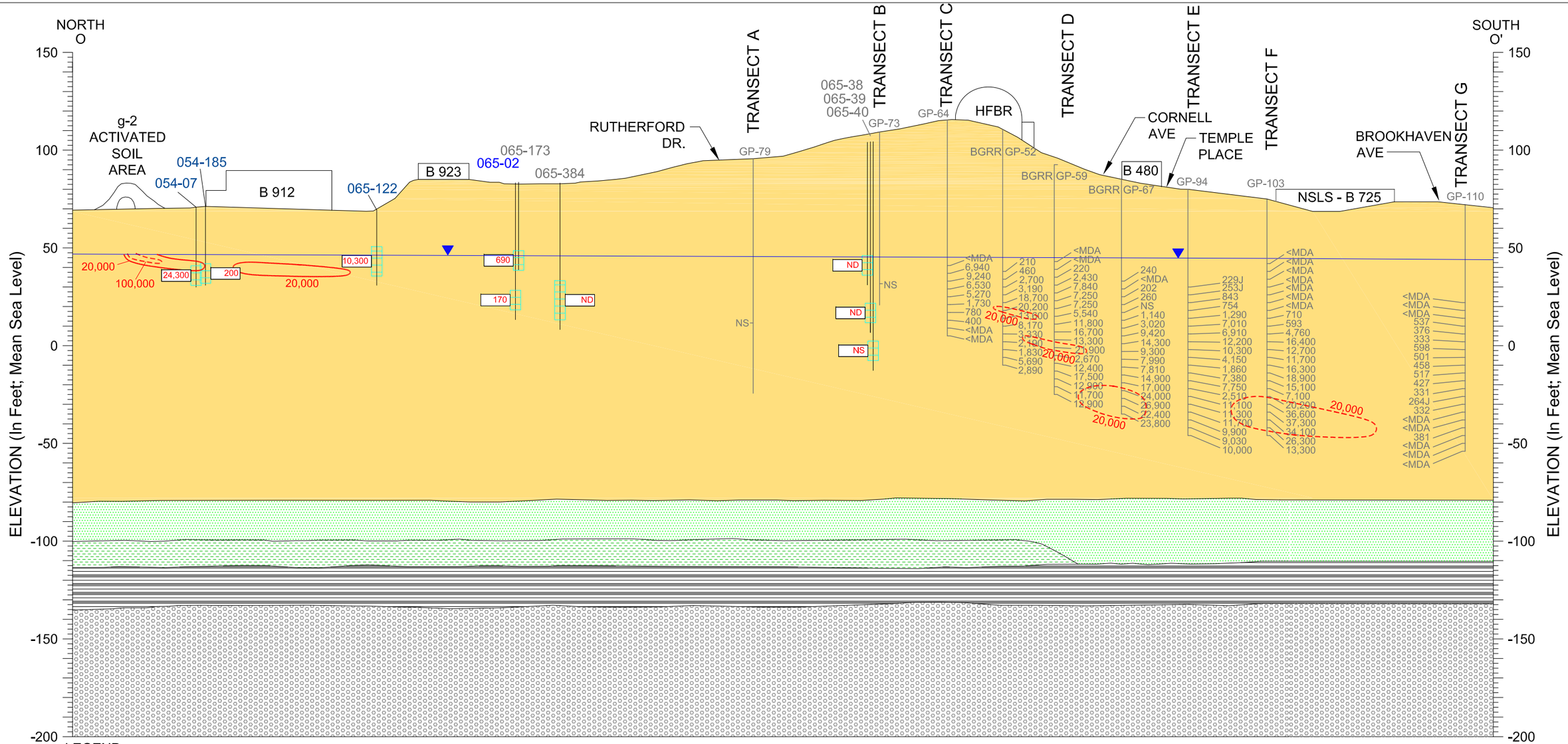

LEGEND

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

HORIZONTAL SCALE
0 100 200 FT

065-40 BNL Well ID
Monitoring Well Screen
Water Table As Of November 1–4, 2010
20,000 Tritium Concentration (pCi/L)
100,000 Tritium Contour (pCi/L) (Dashed Where Inferred)
pCi/L – pico Curies per liter
<MDA – minimum detectable activity

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 4th QTR 2010 PERMANENT AND TEMPORARY WELLS. *BGRR MONITORING AND TEMPORARY WELLS WERE SAMPLED DURING JULY THROUGH OCTOBER 2010.

3) CONTOUR INTERVAL IS AS SHOWN.

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

NS – GEOPROBE WELL NOT REINSTALLED/SAMPLED

BROOKHAVEN NATIONAL LABORATORY
ENVIRONMENTAL PROTECTION DIVISION

TITLE:
FACILITY MONITORING PROGRAM,
AOC 16T g–2 TRITIUM PLUME, FOURTH QUARTER 2010
CROSS SECTION (O–O')
2010 BNL GROUNDWATER STATUS REPORT

DWN: AJZ	VT:HZ.: 5:1	DATE: 06/30/11	PROJECT NO.: –
CHKD: JEB	APPD: DEP	REV.: –	NOTES: –
FIGURE NO.: 4–9			

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