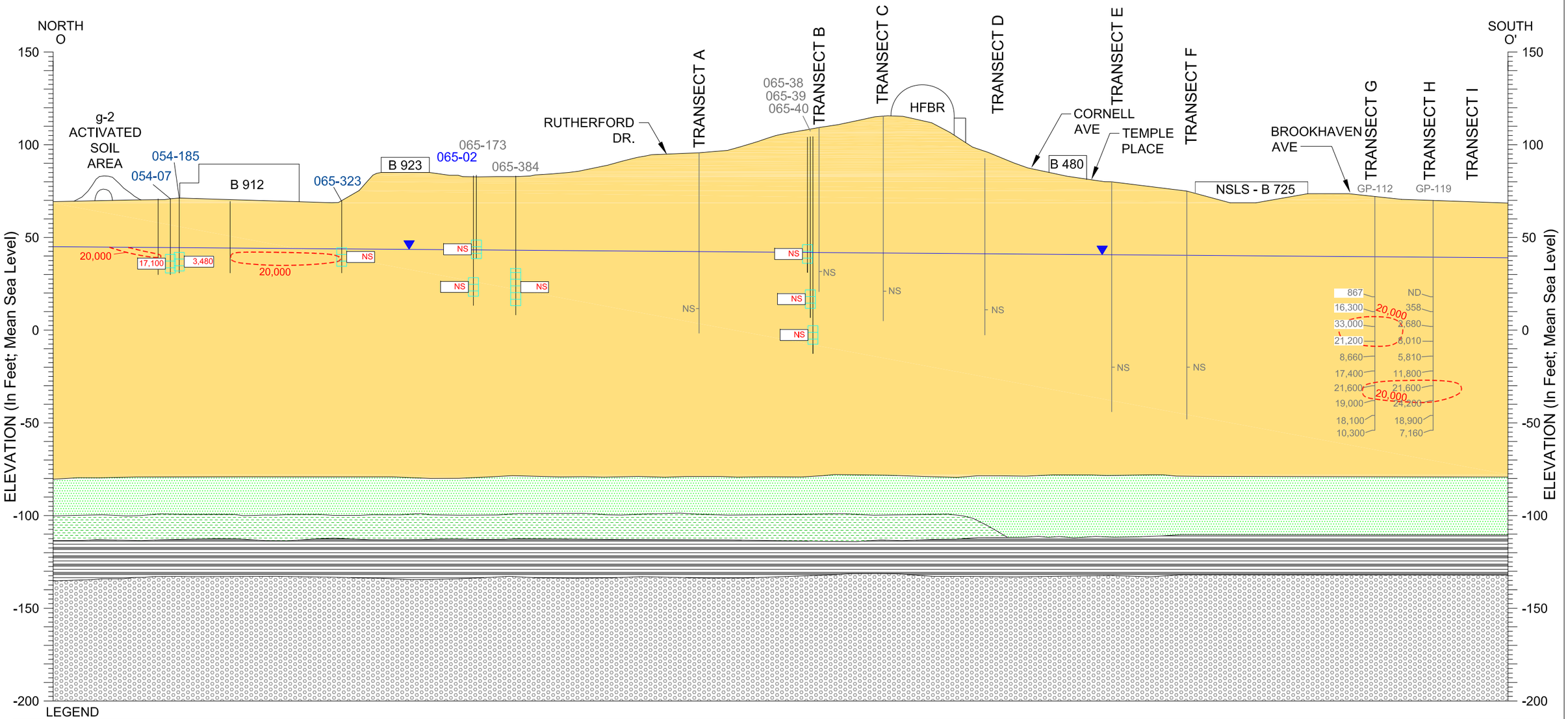


LEGEND

Upper Glacial aquifer

- UG Upper Glacial Sands
- UC Upper Glacial Silts & Clays
- UU Upton Unit

Gardiners Clay

- GL Gardiners Clay
- GS Gardiners Clay – Silt

HORIZONTAL SCALE

0 100 200 FT

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 November 26–30, 2012

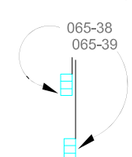
20,000 Tritium Concentration (pCi/L)

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

pCi/L – pico Curies per liter

<MDA – minimum detectable activity

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



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 2nd QTR 2012 PERMANENT AND TEMPORARY WELLS, TRANSECT G, H AND I TEMPORARY WELLS WERE SAMPLED IN JUNE 2012.

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, 1st QUARTER 2013
CROSS SECTION (O–O')

2012 BNL GROUNDWATER STATUS REPORT

DWN: AJZ	VT:HZ.: 5:1	DATE: 06/12/13	PROJECT NO.: –
CHKD: JEB	APPD: DEP	REV.: –	NOTES: –
FIGURE NO.: 3.8–4			

\\OERNT\GIS\GW_PROJECTS\CY_2012_GW_REPORT\FINAL_FIGURES\FIG_3-08-04 061213.DWG