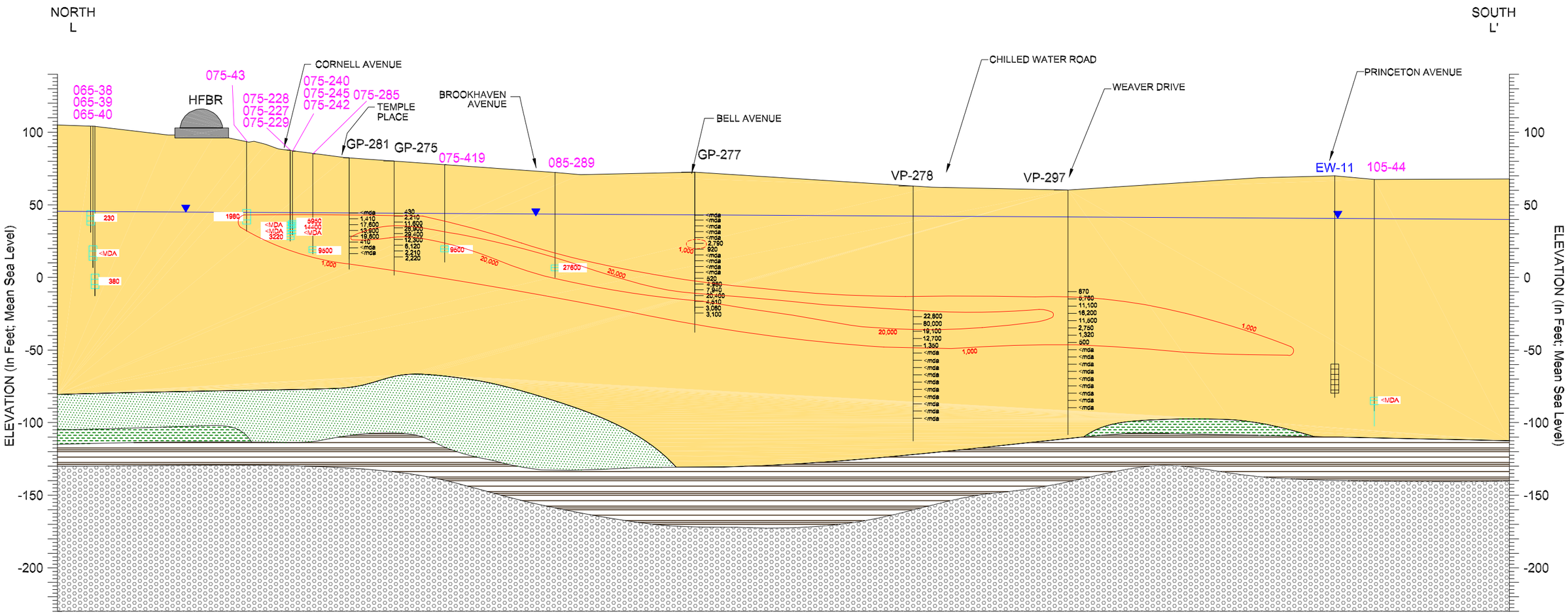

LEGEND

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

065-40 BNL Well ID

EW-10 Groundwater Extraction Well (On Standby)

GP-277 812 897 4920 Temporary well location and tritium detected pCi/L.

Monitoring Well Screen

Extraction Well Screen

Water Table As Of December 12–15, 2005

3080 Tritium Concentration (pCi/L)

1,000 Tritium Contour (pCi/L) (Dashed Where Inferred)

<MDA Tritium result less than minimum detectable activity

HORIZONTAL SCALE

0 125 250 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 IS BASED ON THE MAXIMUM TRITIUM RESULT AT EACH LOCATION DURING THE ENTIRE OU III (AOC 29 HFBR) SAMPLING EVENT FOR THE FOURTH QUARTER 2005. SUPPLEMENTED WITH FIRST QUARTER 2006 TEMPORARY WELL DATA.

3) CONTOUR INTERVAL IS AS SHOWN.

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

\\OERNT\GIS\GW_PROJECTS\CY_2005_GW_REPORT\FINAL_DRAFT_FIGURES\FIG_3.02.17-05.DWG

BROOKHAVEN NATIONAL LABORATORY

EWMS DIVISION

TITLE:

OU III HFBR AOC 29 TRITIUM HYDROGEOLOGIC CROSS SECTION (L–L')

2005 BNL GROUNDWATER STATUS REPORT

DWN: AJZ	VT: HZ.: 5:1	DATE: 06/15/06	PROJECT NO.: –
CHKD: JEB	APPD: WRD	REV.: –	NOTES: –
FIGURE NO.: 3.2.17–2			