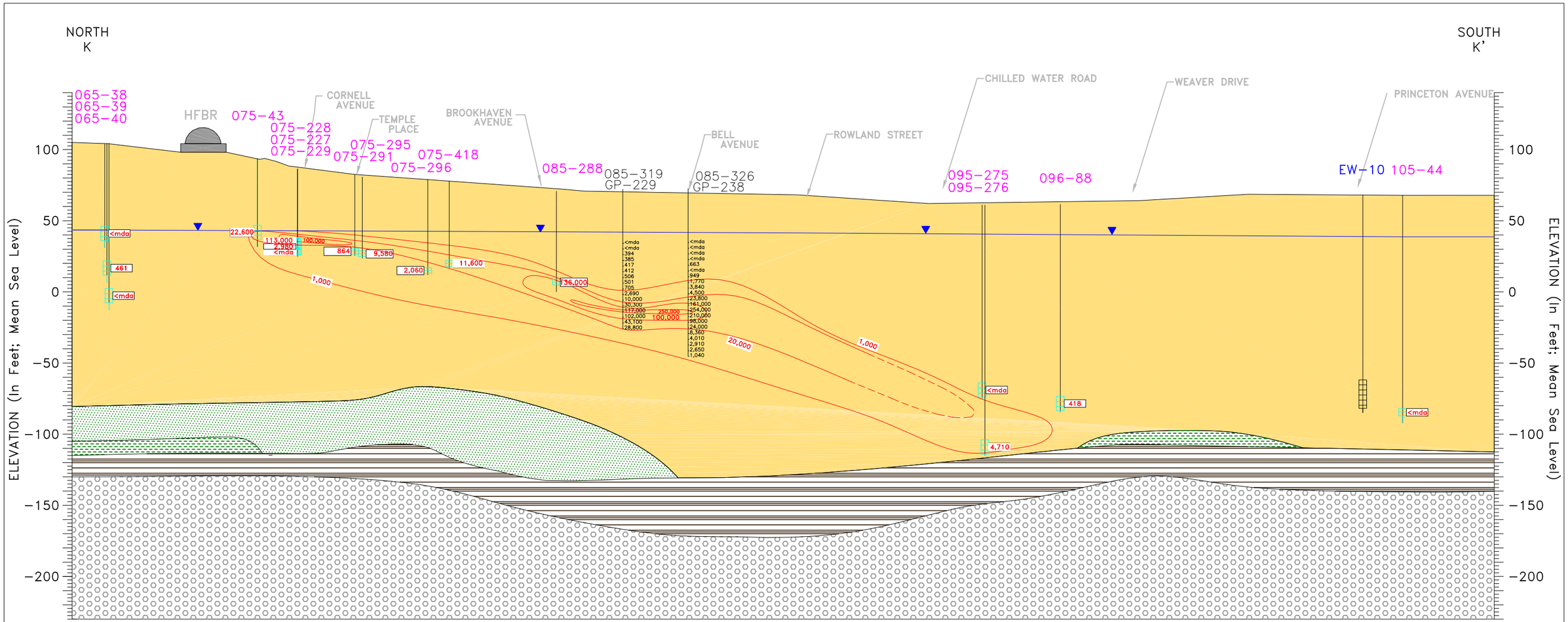


## LEGEND

**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

000–130 BNL Well ID

EW–10 Groundwater Extraction Well (Not Operating)

085–319 / GP–229 (385, 417, 412) Geoprobe location and tritium detected PCi/L.

Monitoring Well Screen

Extraction Well Screen

Water Table As Of December 16–19, 2002

0.79 Tritium Concentration (pCi/L)

50 Tritium Contour (pCi/L) (Dashed Where Inferred)

<mda Tritium result less than minimum detectable activity

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 DURING THE FOURTH QUARTER 2002 INCLUDING, MONTHLY AND QUARTERLY SAMPLING EVENTS CONDUCTED BETWEEN OCTOBER AND DECEMBER 2002.

3) CONTOUR INTERVAL IS AS SHOWN.

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

0 125 250
FEET

\\OERNT\GIS\GW_PROJECTS\CY_2002_GW_REPORT\FINAL_DRAFT_FIGURES\FIG_3.02.11-06.DWG

BROOKHAVEN NATIONAL LABORATORY
GROUNDWATER PROTECTION PROGRAM

TITLE:

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

2002 BNL GROUNDWATER STATUS REPORT

| DWN: | VT:HZ.: | DATE: | PROJECT NO.: |
|---|---|---|---|
| KCK | 5:1 | 07/16/03 | 07176 |
| CHKD: WRD | APPD: WRD | REV.: 1 | NOTES: – |

FIGURE NO.: 3.2.11–6