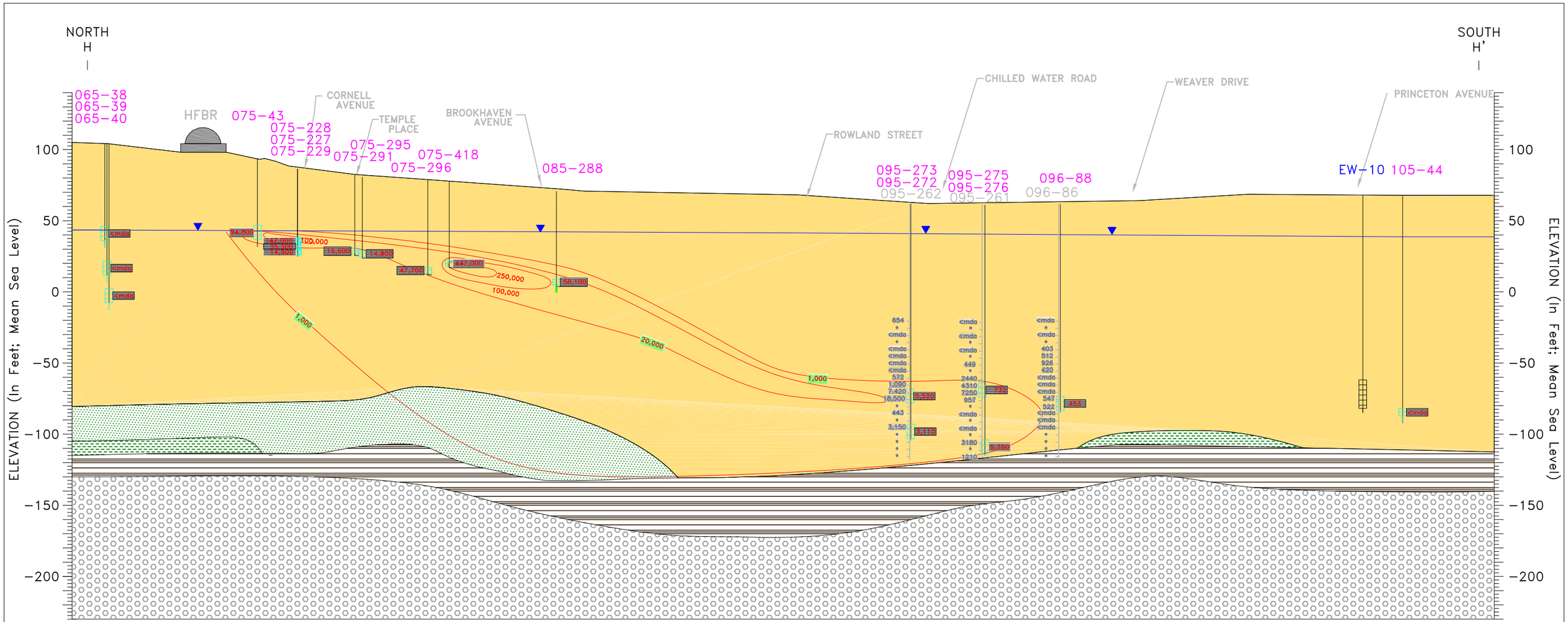

LEGEND

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)

085–283 (480 – 1,030) Vertical profile location and tritium detected PCi/L.

Interval not sampled

Monitoring Well Screen

Extraction Well Screen

Water Table As Of December 17–20, 2001

0.79 Tritium Concentration (pCi/l)

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

<mda Tritium result less than minimum detectable activity

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 DURING THE FOURTH QUARTER 2001 INCLUDING, MONTHLY AND QUARTERLY SAMPLING EVENTS AND GROUNDWATER CHARACTERIZATION WORK CONDUCTED BETWEEN OCTOBER AND DECEMBER 2001.

3) CONTOUR INTERVAL IS AS SHOWN.

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

5) VERTICAL PROFILES COMPLETED DURING THE THIRD QUARTER 2001.

\\OERNT\GIS\GW_PROJECTS\CY_2001_GW_REPORT\FNAL_DRAFT_FIGURES\Fig 3_2_57.DWG

BROOKHAVEN NATIONAL LABORATORY

ENVIRONMENTAL SERVICES DIVISION

TITLE:

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

2001 BNL GROUNDWATER STATUS REPORT

DWN:	VT:HZ.:	DATE:	PROJECT NO.:
KCK	5:1	06/13/02	07176
CHKD: WRD	APPD: WRD	REV.: –	NOTES: –

FIGURE NO.: 3.2–57