## 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

098–99 BNL Well ID

ND Indicates not detected at or above laboratory method detection limits

7.54 TVOC Concentration (µg/L)

— 5 — TVOC Contour (µg/L) (Dashed Where Inferred)

TVOC– Total Volatile Organic Compound

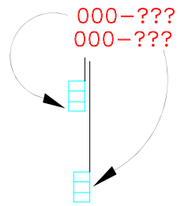
µg/L– Micrograms Per Liter

Water Table As Of JAN. 25 – Jan 28, 2021

Monitoring Well Screen

Extraction Well Screen

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) DOCUMENTED IN PREVIOUS, MORE DETAILED REPORTS AND THE 2002 PREDESIGN CHARACTERIZATION.

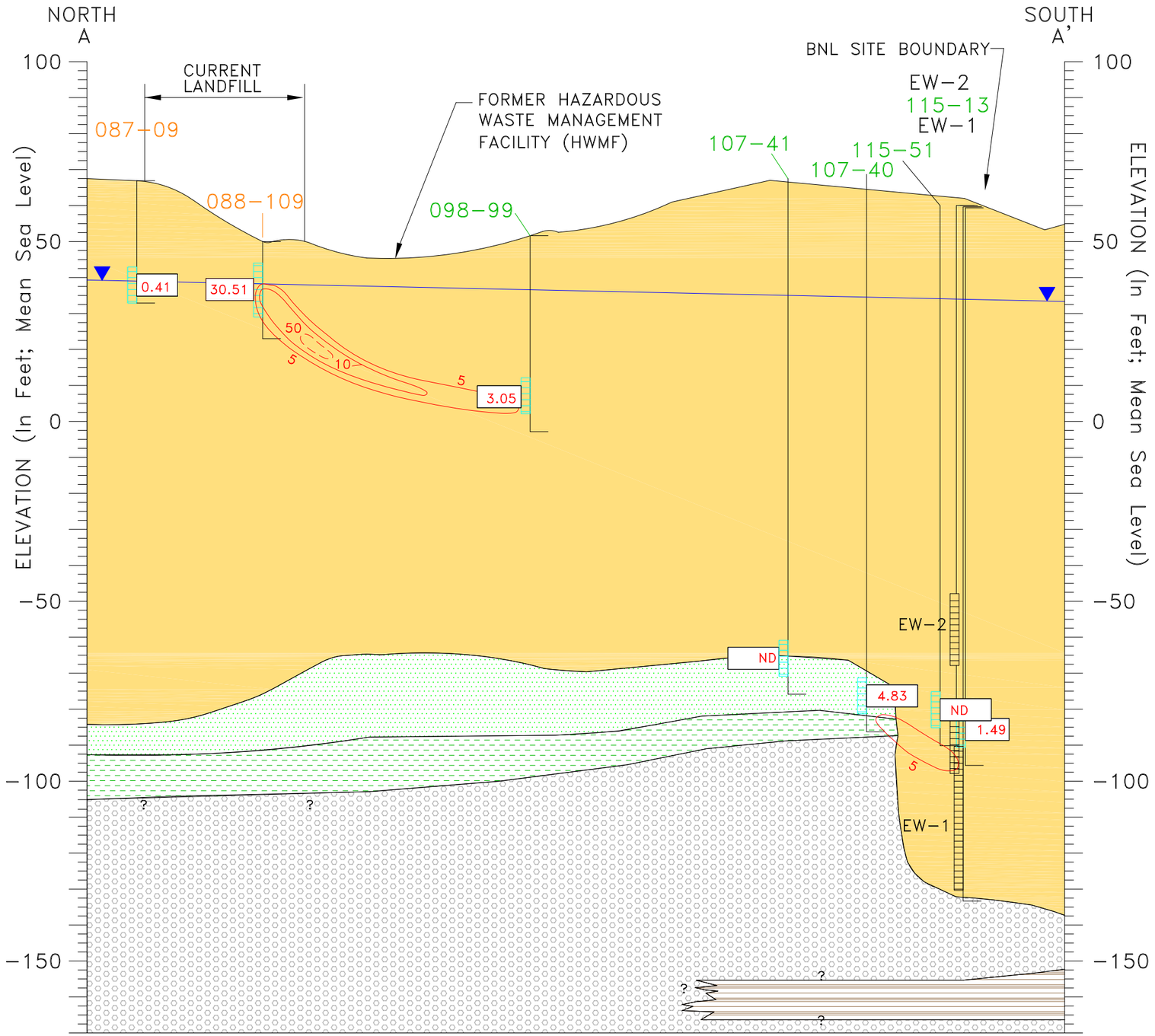
2) PLUME DISTRIBUTION BASED ON FOURTH QUARTER 2020 SOUTH BOUNDARY / NORTH STREET EAST SAMPLING EVENT.

3) CONTOUR INTERVAL IS AS SHOWN.

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

HORIZONTAL SCALE

0 500 1000 FEET

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BROOKHAVEN NATIONAL LABORATORY

ENVIRONMENTAL PROTECTION DIVISION

TITLE:

# OU I SOUTH BOUNDARY
# TVOC HYDROGEOLOGIC CROSS SECTION (A–A')

2020 BNL GROUNDWATER STATUS REPORT

| DWN: | VT:HZ.: | DATE: | PROJECT NO.: |
|---|---|---|---|
| AJZ | 20:1 | 03/30/21 | – |
| CHKD: | APPD: | REV.: | NOTES: |
| WRD | WRD | 06/14/21 | – |
| FIGURE NO.: | | | |
| 3.1–2 | | | |