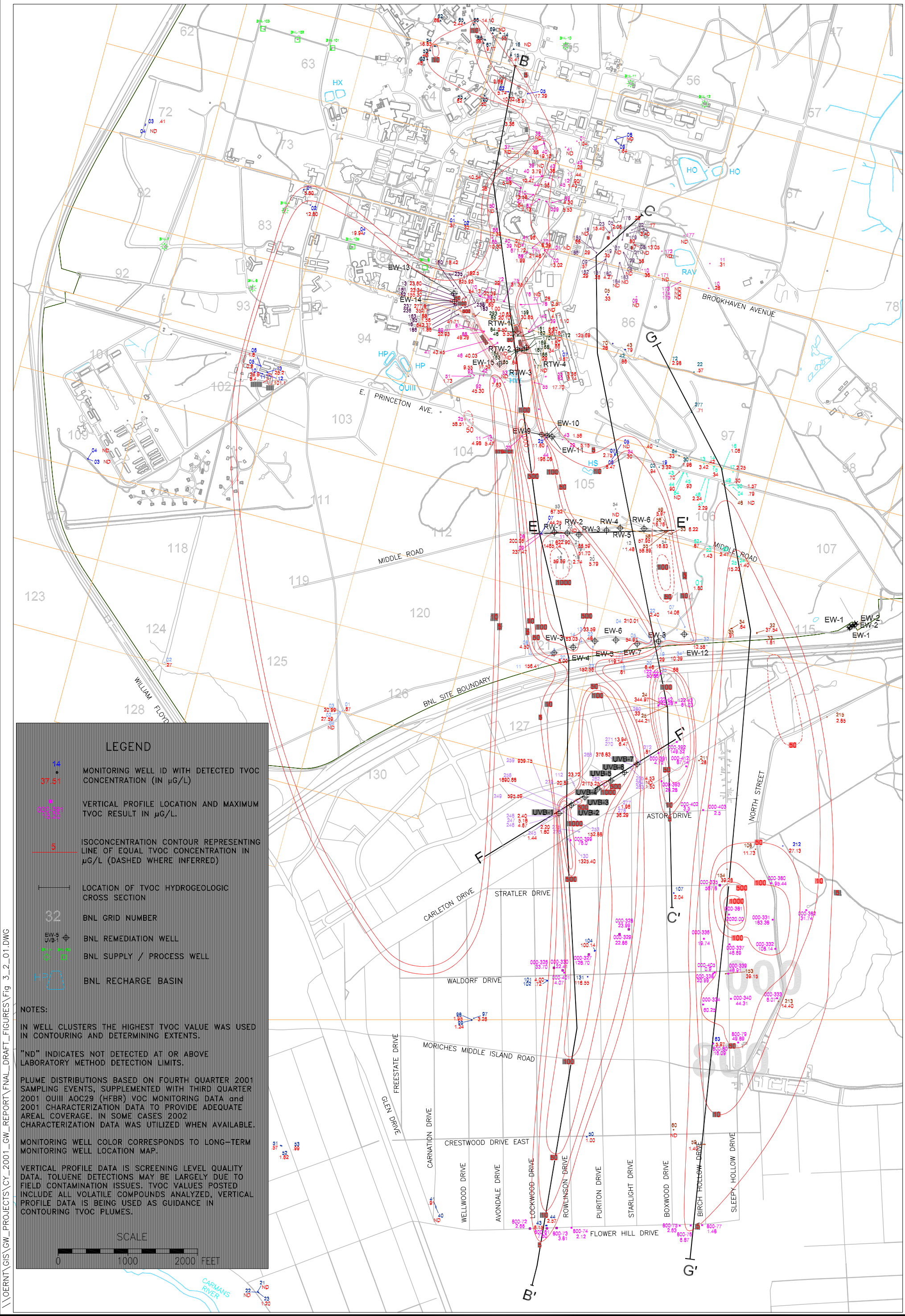
LEGEND
MONITORING WELL ID WITH DETECTED TVOC CONCENTRATION (IN µG/L)
VERTICAL PROFILE LOCATION AND MAXIMUM TVOC RESULT IN µG/L.
ISOCONCENTRATION CONTOUR REPRESENTING LINE OF EQUAL TVOC CONCENTRATION IN µG/L (DASHED WHERE INFERRED)
LOCATION OF TVOC HYDROGEOLOGIC CROSS SECTION
BNL GRID NUMBER
BNL REMEDIATION WELL
BNL SUPPLY / PROCESS WELL
BNL RECHARGE BASIN
NOTES:
IN WELL CLUSTERS THE HIGHEST TVOC VALUE WAS USED IN CONTOURING AND DETERMINING EXTENTS.
"ND" INDICATES NOT DETECTED AT OR ABOVE LABORATORY METHOD DETECTION LIMITS.
PLUME DISTRIBUTIONS BASED ON FOURTH QUARTER 2001 SAMPLING EVENTS, SUPPLEMENTED WITH THIRD QUARTER 2001 OUIII AOC29 (HFBR) VOC MONITORING DATA and 2001 CHARACTERIZATION DATA TO PROVIDE ADEQUATE AREAL COVERAGE. IN SOME CASES 2002 CHARACTERIZATION DATA WAS UTILIZED WHEN AVAILABLE.
MONITORING WELL COLOR CORRESPONDS TO LONG-TERM MONITORING WELL LOCATION MAP.
VERTICAL PROFILE DATA IS SCREENING LEVEL QUALITY DATA. TOLUENE DETECTIONS MAY BE LARGELY DUE TO FIELD CONTAMINATION ISSUES. TVOC VALUES POSTED INCLUDE ALL VOLATILE COMPOUNDS ANALYZED, VERTICAL PROFILE DATA IS BEING USED AS GUIDANCE IN CONTOURING TVOC PLUMES.
SCALE
0 1000 2000 FEET
BROOKHAVEN NATIONAL LABORATORY
ENVIRONMENTAL SERVICES DIVISION
TITLE:
OU III/ OU IV/ NORTH STREET
TVOC PLUME DISTRIBUTIONS
2001 BNL GROUNDWATER STATUS REPORT
DWN: KCK
VS:HS.: –
DATE: 06/13/02
PROJECT NO.: 07176
CHKD: WRD
APPD: WRD
REV.: –
NOTES: –
FIGURE NO.: 3.2–1
\\OERNT\GIS\GW_PROJECTS\CY_2001_GW_REPORT\FNAL_DRAFT_FIGURES\Fig 3_2_01.DWG
BROOKHAVEN AVENUE
E. PRINCETON AVE.
MIDDLE ROAD
BNL SITE BOUNDARY
WILLIAM FLOYD
ASTOR DRIVE
NORTH STREET
CARLETON DRIVE
STRATLER DRIVE
WALDORF DRIVE
MORICHES MIDDLE ISLAND ROAD
FREESTATE DRIVE
GLEN DRIVE
CARNATION DRIVE
CRESTWOOD DRIVE EAST
WELLWOOD DRIVE
AVONDALE DRIVE
LOCKWOOD DRIVE
ROWLINSON DRIVE
PURITON DRIVE
STARLIGHT DRIVE
BOXWOOD DRIVE
BIRCH HOLLOW DRIVE
SLEEPY HOLLOW DRIVE
FLOWER HILL DRIVE
CARMANS RIVER
EW-13
EW-14
RTW-1
RTW-2
RTW-3
RTW-4
EW-15
EW-10
EW-9
EW-11
RW-1
RW-2
RW-3
RW-4
RW-5
RW-6
EW-3
EW-4
EW-5
EW-6
EW-7
EW-8
EW-12
EW-1
EW-2
UVB-1
UVB-2
UVB-3
UVB-4
UVB-5
UVB-6
UVB-7
B
B'
C
C'
E
E'
F
F'
G
G'