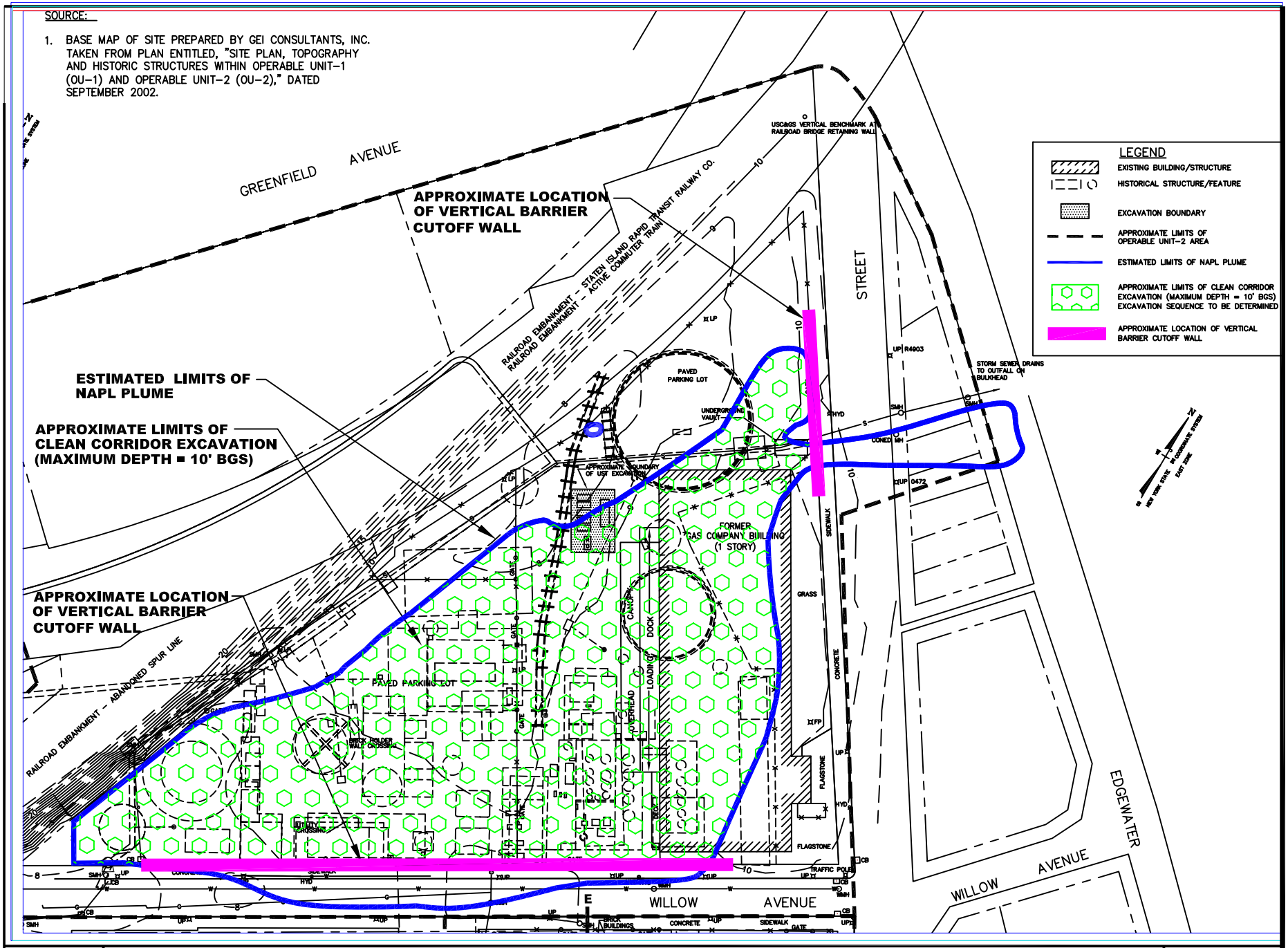


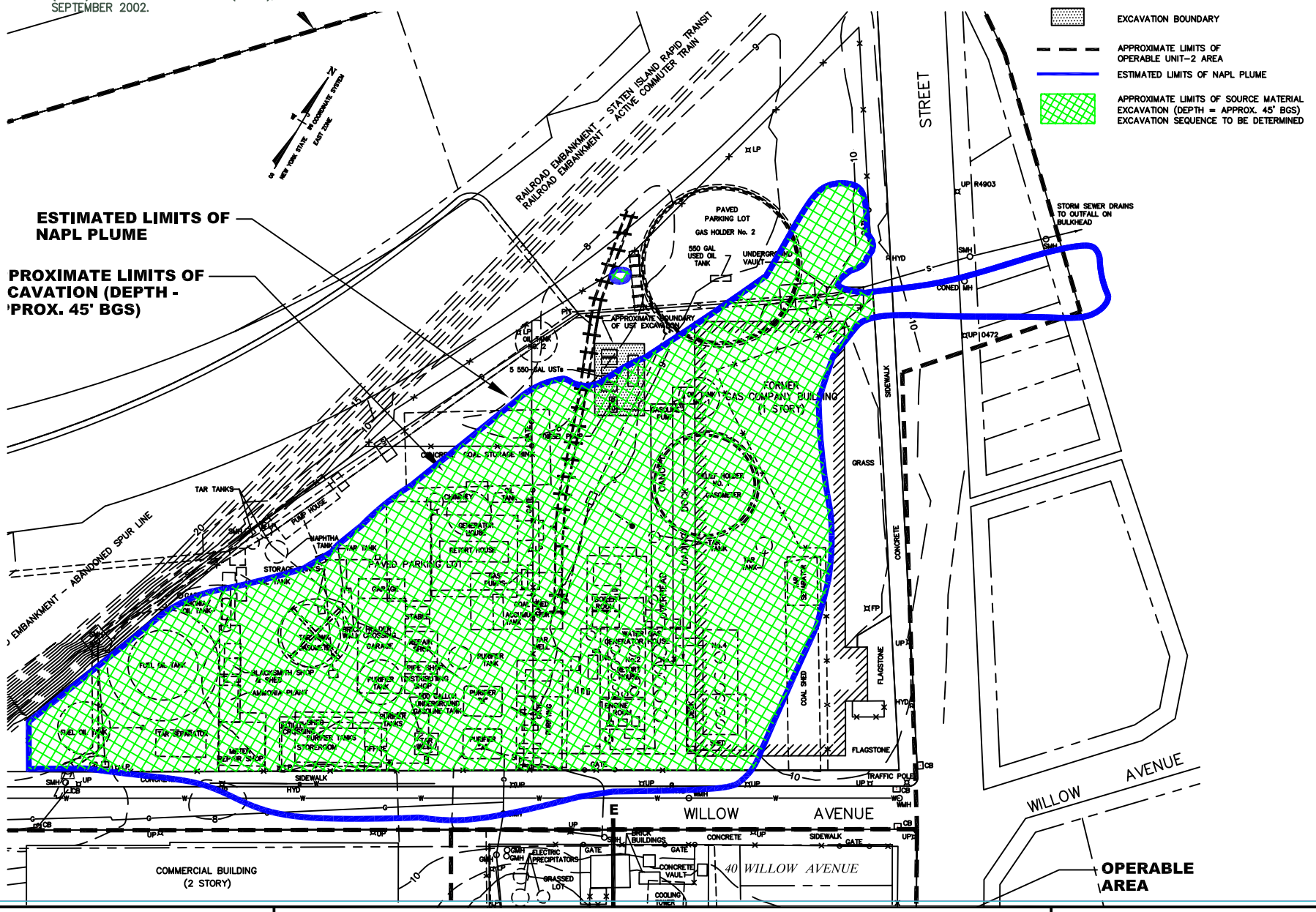
FORMER CLIFTON MGP SITE OPERABLE UNIT 2
STATEN ISLAND, RICHMOND COUNTY
SITE NO. 2-43-023

ALTERNATIVE 5: 10 FT EXCAVATION, REMOVAL OF MGP STRUCTURES, VERTICAL CUTOFF WALLS

FIGURE 6

SOURCE:

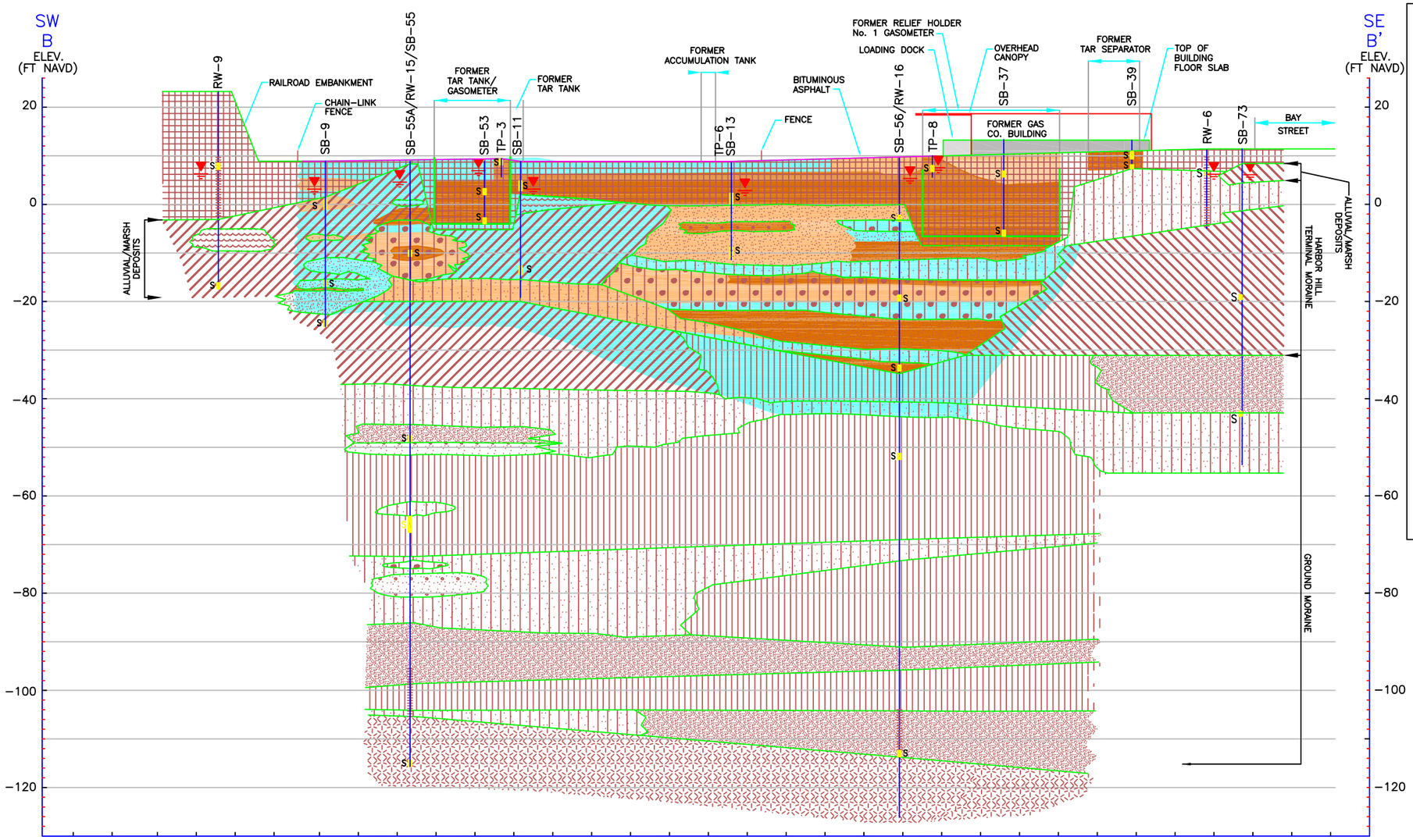
1. BASE MAP OF SITE PREPARED BY GEI CONSULTANTS, INC. TAKEN FROM PLAN ENTITLED, "SITE PLAN, TOPOGRAPHY AND HISTORIC STRUCTURES WITHIN OPERABLE UNIT-1 (OU-1) AND OPERABLE UNIT-2 (OU-2)," DATED SEPTEMBER 2002.



FORMER CLIFTON MGP SITE OPERABLE UNIT 2
STATEN ISLAND, RICHMOND COUNTY
SITE NO. 2-43-023

ALTERNATIVE 6: EXCAVATION TO FULL DEPTH

FIGURE 7



LEGEND

ALLUVIAL/MARSH DEPOSITS

- GRAVELLY-SAND
- SAND (shallow)
- SILT (shallow)
- SILT-CLAY
- GRAVELLY SILT
- PEAT

GLACIAL DEPOSITS

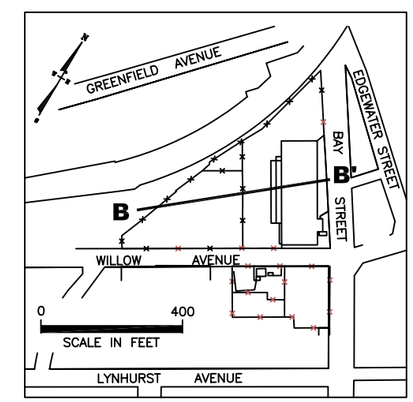
- SILT (deep)
- SILT-SAND
- SAND, SILT, CLAY
- SILT-CLAY
- SAND (deep)
- GRAVELLY-SAND

WEATHERED BEDROCK

- SAPROLITE (weathered bedrock)

- FILL

- CONTACT
- OBSERVED APPARENT GROUNDWATER TABLE
- BOUNDARY IS APPROXIMATED
- SB-55/RW-15 — SOIL BORING/ MONITORING WELL IDENTIFICATION
- S — ANALYTICAL SOIL SAMPLE INTERVAL
- WELL SCREEN INTERVAL
- SHEEN AND TAR/ NAPHTHA ODORS
- TAR STAINING, TAR BLEBS/SHEEN AND TAR/NAPHTHA ODORS
- TAR SATURATED, SOIL MATRIX, TAR/NAPHTHA ODORS
- PETROLEUM STAINING, SHEENS AND ODORS



TRANSECT LOCATION

SOURCE:

1. BASE MAP OF SITE PREPARED BY GEI CONSULTANTS, INC. TAKEN FROM PLAN ENTITLED, "SITE PLAN, TOPOGRAPHY AND HISTORIC STRUCTURES WITHIN OPERABLE UNIT-1 (OU-1) AND OPERABLE UNIT-2 (OU-2)," DATED SEPTEMBER 2002.

FORMER CLIFTON MGP SITE OPERABLE UNIT 2
STATEN ISLAND, RICHMOND COUNTY
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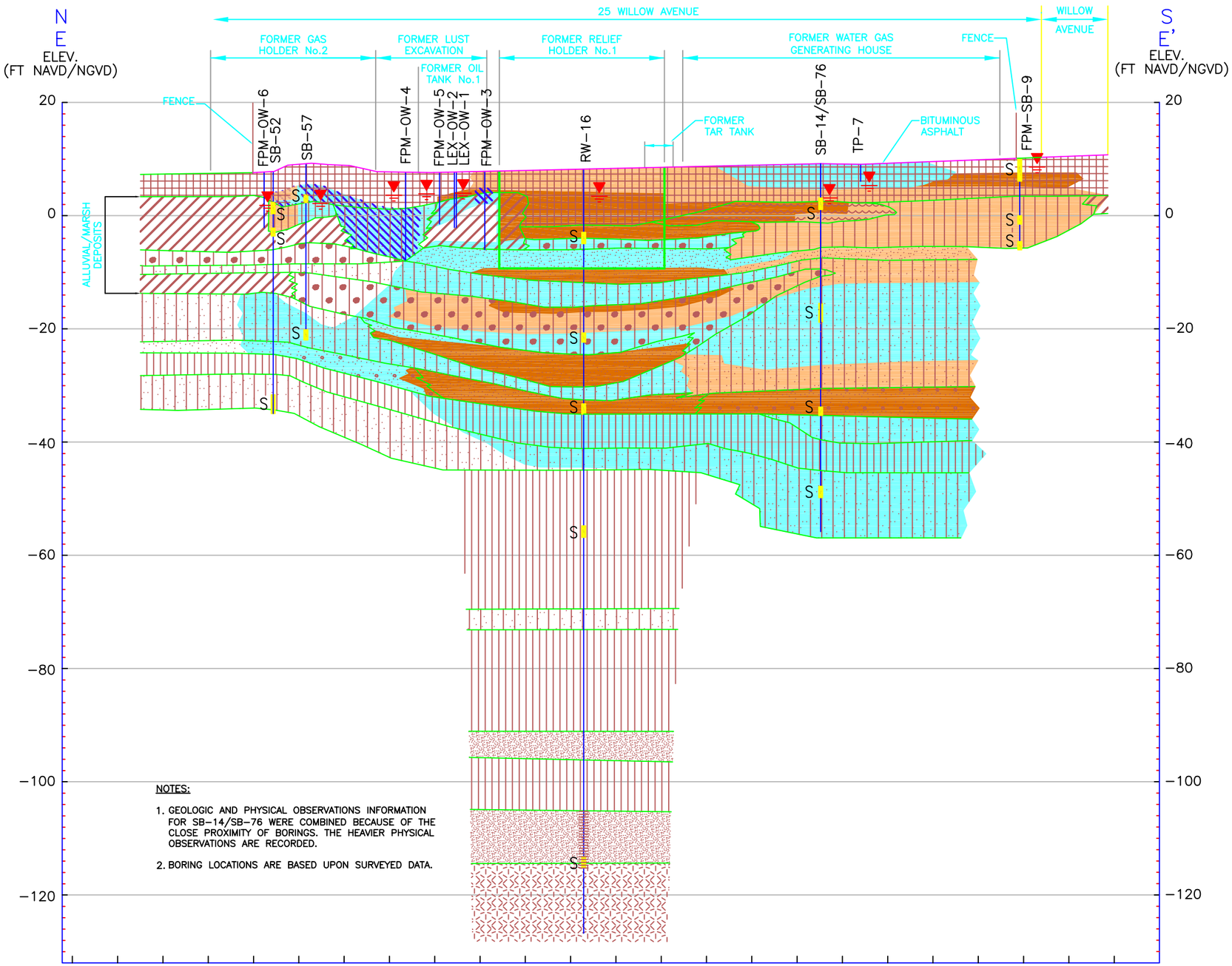
CROSS SECTIONS

FIGURE 8



NOTES:

1. GEOLOGIC AND PHYSICAL OBSERVATIONS INFORMATION FOR SB-14/SB-76 WERE COMBINED BECAUSE OF THE CLOSE PROXIMITY OF BORINGS. THE HEAVIER PHYSICAL OBSERVATIONS ARE RECORDED.

2. BORING LOCATIONS ARE BASED UPON SURVEYED DATA.

LEGEND

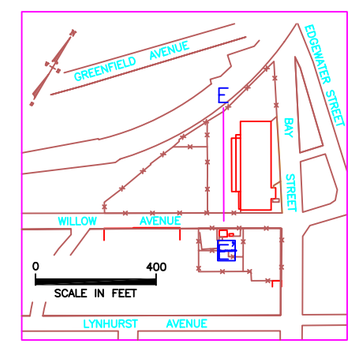
ALLUVIAL/MARSH DEPOSITS
- GRAVELLY-SAND
- SAND (shallow)
- SILT (shallow)
- SILT-CLAY
- GRAVELLY SILT
- PEAT

GLACIAL DEPOSITS
- SILT (deep)
- SILT-SAND
- SAND, SILT, CLAY
- SILT-CLAY
- SAND (deep)
- GRAVELLY-SAND

WEATHERED BEDROCK
- SAPROLITE (weathered bedrock)

FILL
- FILL

- CONTACT
- OBSERVED APPARENT GROUNDWATER TABLE
- BOUNDARY IS APPROXIMATED
- SB-55/RW-15 — SOIL BORING/ MONITORING WELL IDENTIFICATION
- S — ANALYTICAL SOIL SAMPLE INTERVAL
- WELL SCREEN INTERVAL
- SHEEN AND TAR/ NAPHTHA ODORS
- TAR STAINING, TAR BLEBS/SHEEN AND TAR/NAPHTHA ODORS
- TAR SATURATED, SOIL MATRIX, TAR/NAPHTHA ODORS
- PETROLEUM STAINING, SHEENS AND ODORS



TRANSECT LOCATION

SOURCE:

1. BASE MAP OF SITE PREPARED BY GEI CONSULTANTS, INC. TAKEN FROM PLAN ENTITLED, "SITE PLAN, TOPOGRAPHY AND HISTORIC STRUCTURES WITHIN OPERABLE UNIT-1 (OU-1) AND OPERABLE UNIT-2 (OU-2)," DATED SEPTEMBER 2002.

FORMER CLIFTON MGP SITE OPERABLE UNIT 2
STATEN ISLAND, RICHMOND COUNTY
SITE NO. 2-43-023

CROSS SECTIONS

FIGURE 9