NW A

A' SE

36.9 TOP OF POWER BLOCK FILL (PLANT GRADE)

APPROX. TOP OF GROUND

NB-2 STA. 538 ft.

NB-3 STA. 1000 ft.

NB-5 STA. 1281 ft.

NB-1 STA. 1500 ft.

234 STA. 2000 ft.

NB-8 STA. 2800 ft.

-2.1 UPPER BOUND EMBEDMENT ELEVATION

47.4 LOWER BOUND EMBEDMENT ELEVATION

-87 COMPETENT LAYER (EXCAVATION TO THIS ELEVATION)

HF

Qal

Tkwu

Tkwl

Tvt

Tht

Knv

Kml

TD

BORING NB-2 TERMINATED AT ELEV. -293.3 ft.
STRATIGRAPHY BELOW ELEV. -210 ft. NOT SHOWN

BORING NB-1 TERMINATED AT ELEV. -588.1 ft.
STRATIGRAPHY BELOW ELEV. -210 ft. NOT SHOWN

BORING NB-8 TERMINATED AT ELEV. -306.4 ft.
STRATIGRAPHY BELOW ELEV. -210 ft. NOT SHOWN

ELEVATION IN FEET (NAVD 88)

25, 0, -50, -100, -150, -200, -225

STATIONING IN FEET

500, 1000, 1500, 2000, 2500, 3000

VERTICAL SCALE - IN FEET

30 15 0 30 60

HORIZONTAL SCALE - IN FEET

200 100 0 200 400

NOTES:

- BORING 234 (DAMES & MOORE, 1974), (Reference 2.5.4.3-9), N-VALUES NOT SHOWN
- NB SERIES BORINGS COMPLETED FOR ESPA (APPENDIX 2AA)
- TD = TERMINATION DEPTH
- SEE FIGURE 2.5.4.3-2 FOR SECTION LOCATION.
- BORINGS PROJECTED ORTHOGONALLY TO SECTION LINE.
- SOME BORINGS SHOWN ON FIG-2.5.4.3-2 NOT INCLUDED DUE TO SHALLOW DEPTH OR PROXIMITY TO OTHER BORINGS.

NOTE:
LATERAL EXTENT OF POWER BLOCK FILL AND OF SAFETY-RELATED STRUCTURES VARIES BY TECHNOLOGY. ONLY VERTICAL RANGE FROM PLANT PARAMETER ENVELOPE IS SHOWN. LOCATIONS OF REACTOR BUILDINGS NOT DETERMINED.

LEGEND:

- HF - Artificial and Hydraulic Fill
- Qal - Alluvium
- Tkwu - Kirkwood Formation (Upper)
- Tkwl - Kirkwood Formation (Lower)
- TVI - Vincentown Formation (Oxidized)
- Tvt - Vincentown Formation
- Tht - Hornerstown Formation
- Knv - Navesink Formation
- Kml - Mount Laurel Formation

2 10 15 - Standard Penetration Test N-Values, Blows per Foot (bpf)

P-S Logging Results:

Red = Shear Wave Velocity (fps)

Green = Compression Wave Velocity (fps)

0 2000 4000 6000 8000

PSEG Power, LLC

PSEG SITE ESPA
Part 2, Site Safety Analysis Report

Reactor Building Vertical Extent Bounds on Geologic Section A-A'

FIGURE 2.5.4.3-3 Rev 0