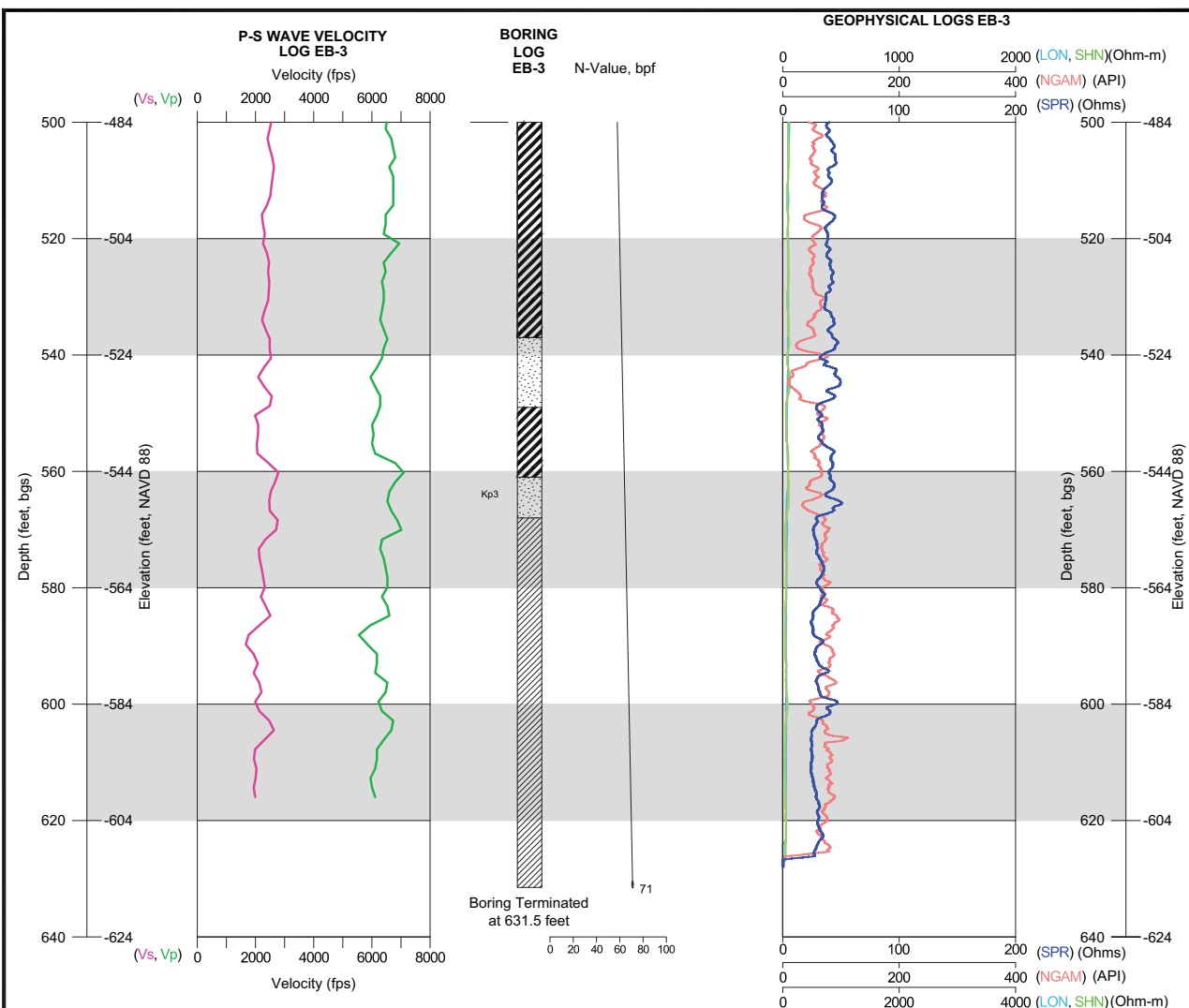




### SOIL CLASSIFICATION CHART

| MAJOR DIVISIONS      |                           |                                                         | SYMBOLS                                                                             |        | TYPICAL DESCRIPTIONS                                              |
|----------------------|---------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------|
|                      |                           |                                                         | GRAPH                                                                               | LETTER |                                                                   |
| COARSE GRAINED SOILS | GRAVEL AND GRAVELLY SOILS | CLEAN GRAVELS<br><br>(LITTLE OR NO FINES)               |  | GW     | WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES   |
|                      |                           | GRAVELS WITH FINES<br><br>(APPRECIABLE AMOUNT OF FINES) |  | GP     | POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES |
|                      |                           |                                                         |  | GM     | SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES                      |
|                      | SAND AND SANDY SOILS      | CLEAN SANDS<br><br>(LITTLE OR NO FINES)                 |  | SW     | WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES             |
|                      |                           |                                                         |  | SP     | POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES            |
|                      |                           | SANDS WITH FINES<br><br>(APPRECIABLE AMOUNT OF FINES)   |  | SM     | SILTY SANDS, SAND - SILT MIXTURES                                 |
| FINE GRAINED SOILS   | SILTS AND CLAYS           | LIQUID LIMIT LESS THAN 50                               |                                                                                     |        |                                                                   |
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|                      | SILTS AND CLAYS           | LIQUID LIMIT GREATER THAN 50                            |                                                                                     |        |                                                                   |
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| HIGHLY ORGANIC SOILS |                           |                                                         |                                                                                     |        |                                                                   |
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NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

### LEGEND:

- HF - Artificial and Hydraulic Fill
- Qal - Alluvium
- Tkwu - Kirkwood Formation (upper)
- Tkwl - Kirkwood Formation (lower)
- Tvt - Vincenttown Formation
- Tht - Hornerstown Formation
- Knv - Navesink Formation
- Kml - Mount Laurel Formation
- Kw - Wenonah Formation
- Kmt - Marshalltown Formation
- Ket - Englishtown Formation
- Kwb - Woodbury Formation
- Kmv - Merchantville Formation
- Kmg - Magothy Formation
- Kp3 - Potomac Formation
- WOH - Weight of Hammer
- Vs - Shear Wave Velocity
- Vp - Compression Wave Velocity
- LON, SHN - Long/Short Normal Transitivity
- NGAM - Natural Gamma
- SPR - Single Point Resistance
- N-Value - Standard Penetration Resistance, Blows per Foot (bpf)
- Stabilized Water Level

PSEG Power, LLC

PSEG SITE ESPA  
Part 2, Site Safety Analysis Report

Boring Profile - EB-3  
FIGURE 2.5.4.1-13C

REV 1

