

LEGEND

- Extent of Excavation For Safety-Related Structures
- ----- Conceptual Excavation Extent For Other Related Structures

Concrete Fill

Compacted Granular Fill or Concrete Fill

Ground Water Level

NOTES:

- 1. Clay seams or fracture zones with total clay thickness >0.1 ft. thick are shown at their approximate observed elevation.
- 2. See Table 2.5.4-201 for depths and descriptions of soil and top of sound rock.
- 3. See Figure 2.5.4-202 for Cross-Section locations.
- 4. Depth of excavation under non safety related structures shown as conceptual and subject to change during detailed
- 5. Excavation extents for nuclear island shown are typical and subject to change based on subsurface conditions encountered during construction. Soil excavation sideslope may range from 0.25H:1V to 0.5H:1V, and rock excavation sideslope may range from 0.25H:1V to 0.5H:1V.
- 6. See Figure 2.5.4-204A for lithology symbols and correlation lines between boreholes.

DATA SOURCE:

1. CH2M HILL Borehole (Appendix 2BB)

Progress Energy Carolinas

Shearon Harris Nuclear Power Plant Units 2 and 3

Part 2, Final Safety Analysis Report New Hill, North Carolina

Structure Foundation and Excavation Extents HAR 2 Plant South to North

FIGURE 2.5.4-211A

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