

- 700' ELEVATION AMSL

Aquifer Characteristics		
Material	K (cm/s)	Effective Porosity
Fill Material	7.0 x 10 ⁻⁶	9%
Soil and Saprolite	4.5 x 10 ⁻⁴	20%
Partially Weathered Rock	1.4 x 10 ⁻³	8%

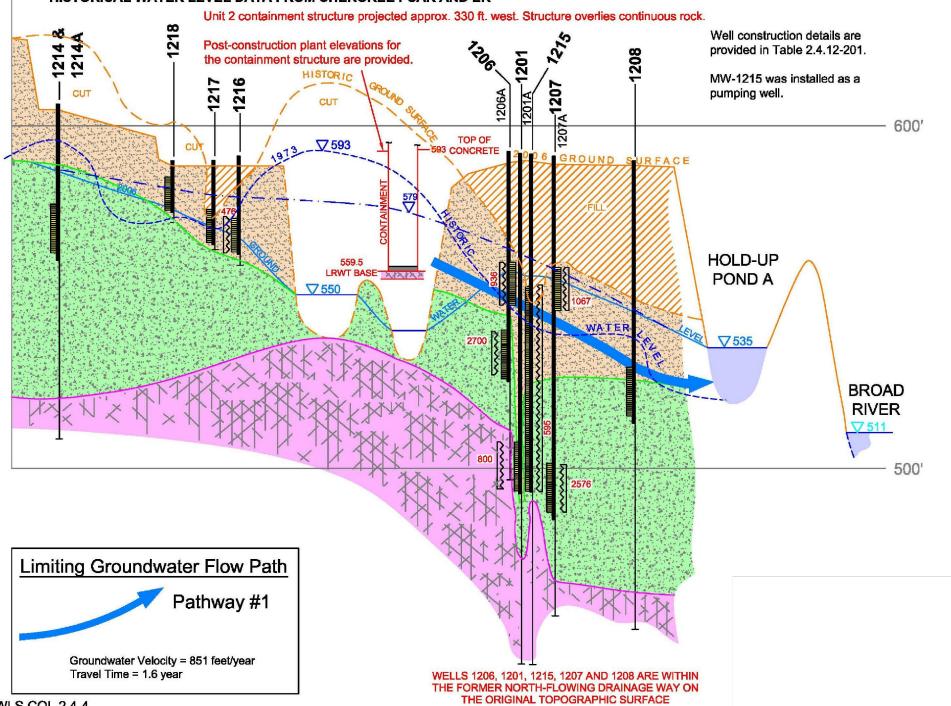
B

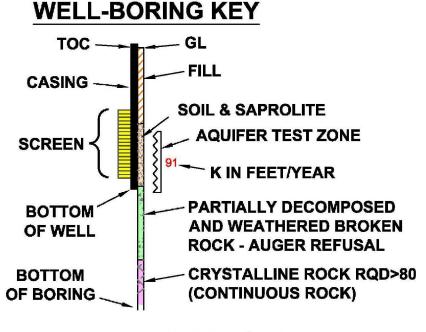
WLS COL 2.4-4

B'

Groundwater exists at the site as a single undifferentiated aquifer, comprised of soils, saprolite, PWR, and competent bedrock. For conservatism, the calculation of potential comtaminant transport velocities used the slightly higher hydraulic conductivity and the lower effective porosity values of PWR.

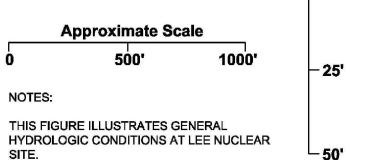
HISTORICAL TOPOGRAPHIC DATA FROM USGS BLACKSBURG SOUTH SC QUADRANGLE MAP (DATED 1971). HISTORICAL WATER LEVEL DATA FROM CHEROKEE PSAR AND ER





Elevation Units are ft. amsl





DIFFERENCE IN VERTICAL AND HORIZONTAL SCALE RESULTS IN EXAGGERATED STRATIGRAPHIC ELEVATION CHANGES, ESPECIALLY IN AREAS OF HIGH DATA DENSITY.

POST-CONSTRUCTION SURFACE TOPOGRAPHY IS SHOWN ON APPENDIX 9.1, FIGURE 4.

> WILLIAM STATES LEE III **NUCLEAR STATION UNITS 1 & 2**

Cross Sections of Lee Nuclear Site: B - B'

> FIGURE 2.4.12-205 Sheet 3 of 4

Rev 7

