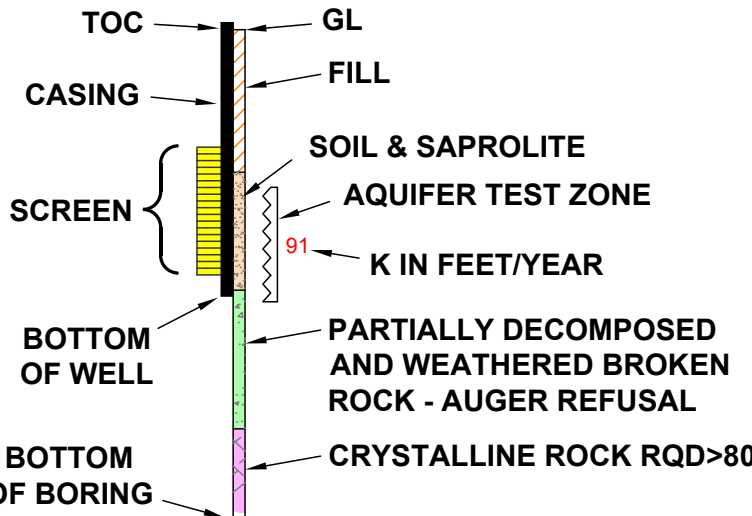


HISTORICAL TOPOGRAPHIC DATA FROM USGS BLACKSBURG SOUTH SC QUADRANGLE MAP (DATED 1971).
HISTORICAL WATER LEVEL DATA FROM CHEROKEE PSAR AND ER

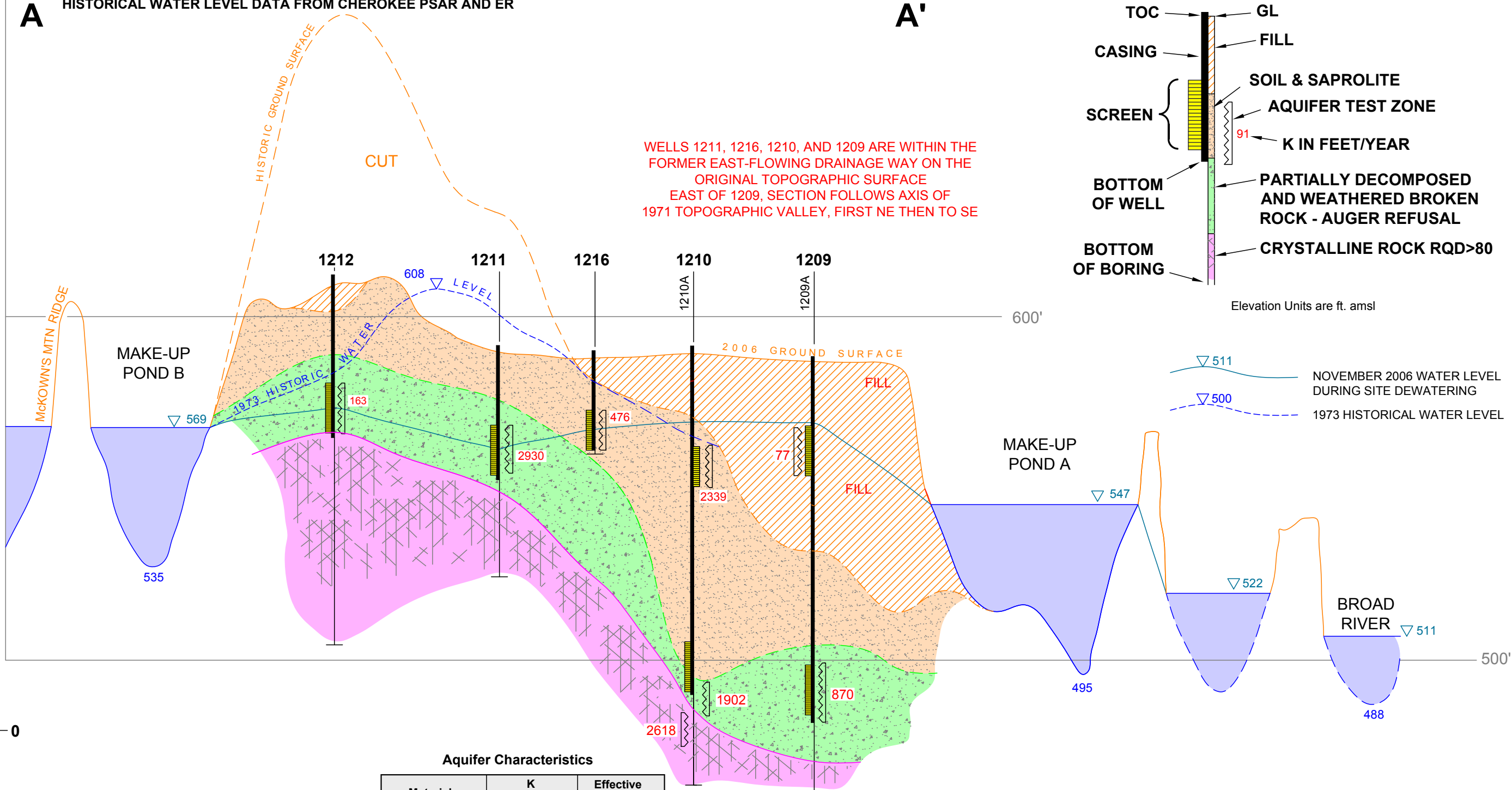
700' ELEVATION AMSL

WELL-BORING KEY



Elevation Units are ft. amsl

WELLS 1211, 1216, 1210, AND 1209 ARE WITHIN THE
FORMER EAST-FLOWING DRAINAGE WAY ON THE
ORIGINAL TOPOGRAPHIC SURFACE
EAST OF 1209, SECTION FOLLOWS AXIS OF
1971 TOPOGRAPHIC VALLEY, FIRST NE THEN TO SE



Aquifer Characteristics

Material	K (cm/s)	Effective Porosity
Fill Material	7.0×10^{-5}	9%
Soil and Saprolite	4.5×10^{-4}	20%
Partially Weathered Rock	1.4×10^{-3}	8%

Well construction details are provided in Table 2.4.12-201.

WILLIAM STATES LEE III
NUCLEAR STATION UNITS 1 & 2

Cross Sections of Lee Nuclear Site:
A - A'

FIGURE 2.4.12-205 Rev 5
Sheet 2 of 4

THIS FIGURE ILLUSTRATES GENERAL
HYDROLOGIC CONDITIONS AT LEE
NUCLEAR SITE.

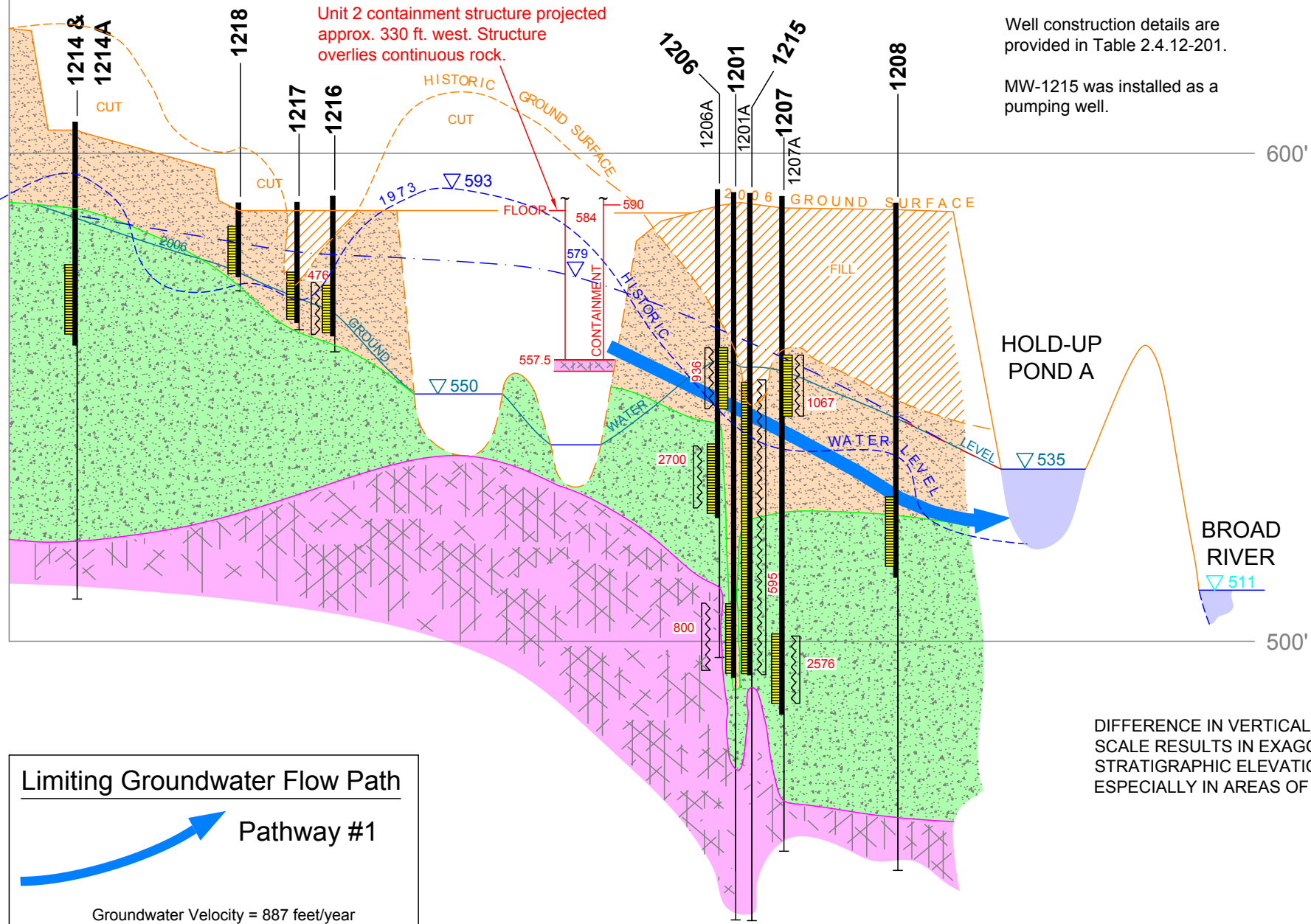
B

Aquifer Characteristics

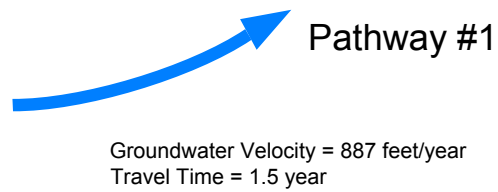
	Material	K (cm/s)	Effective Porosity
	Fill Material	7.0×10^{-5}	9%
	Soil and Saprolite	4.5×10^{-4}	20%
	Partially Weathered Rock	1.4×10^{-3}	8%

Groundwater exists at the site as a single undifferentiated aquifer, comprised of soils, saprolite, PWR, and competent bedrock. For conservatism, the calculation of potential contaminant 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



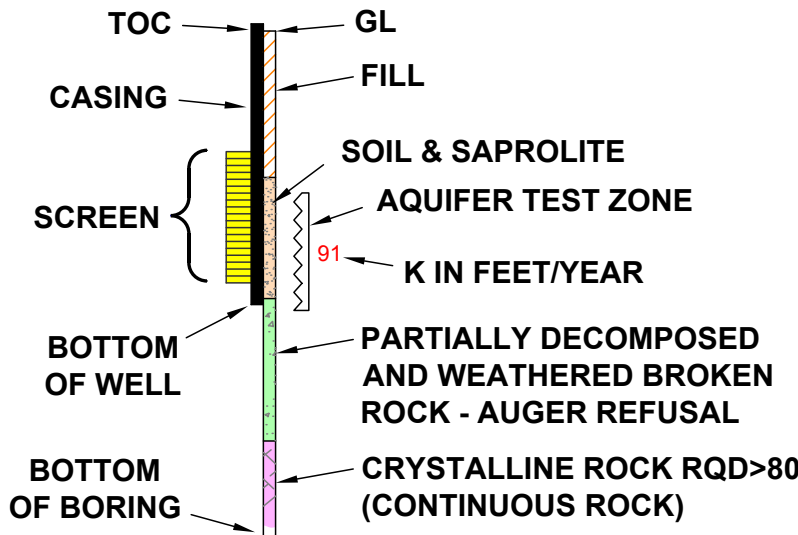
Limiting Groundwater Flow Path



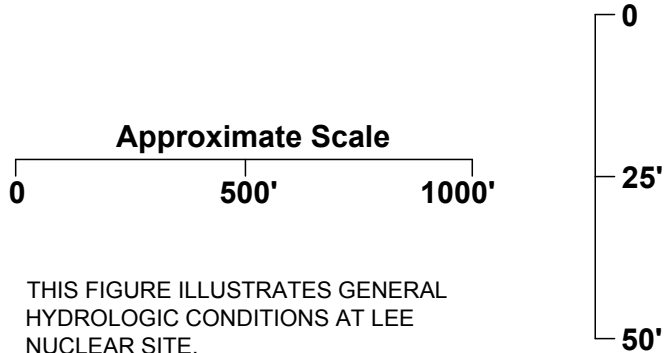
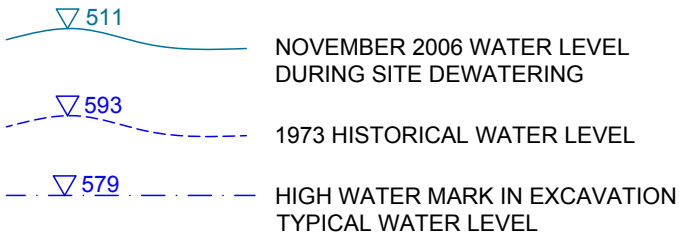
700' ELEVATION AMSL

B'

WELL-BORING KEY



Elevation Units are ft. amsl



THIS FIGURE ILLUSTRATES GENERAL HYDROLOGIC CONDITIONS AT LEE NUCLEAR SITE.

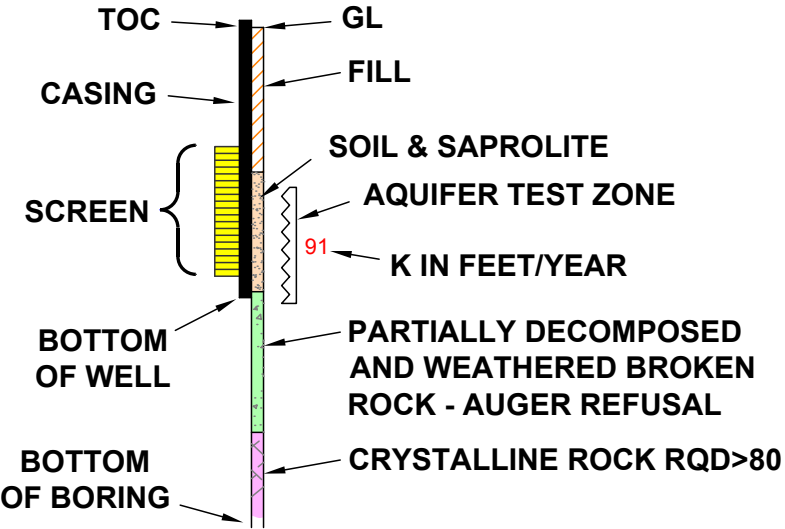
WILLIAM STATES LEE III
NUCLEAR STATION UNITS 1 & 2

Cross Sections of Lee Nuclear Site:
B - B'

FIGURE 2.4.12-205 Rev 5
Sheet 3 of 4

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

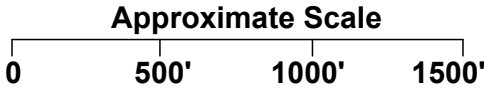
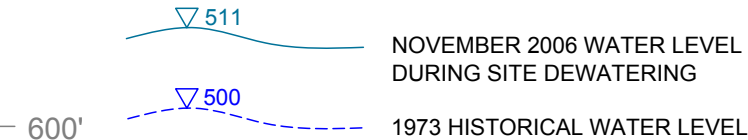
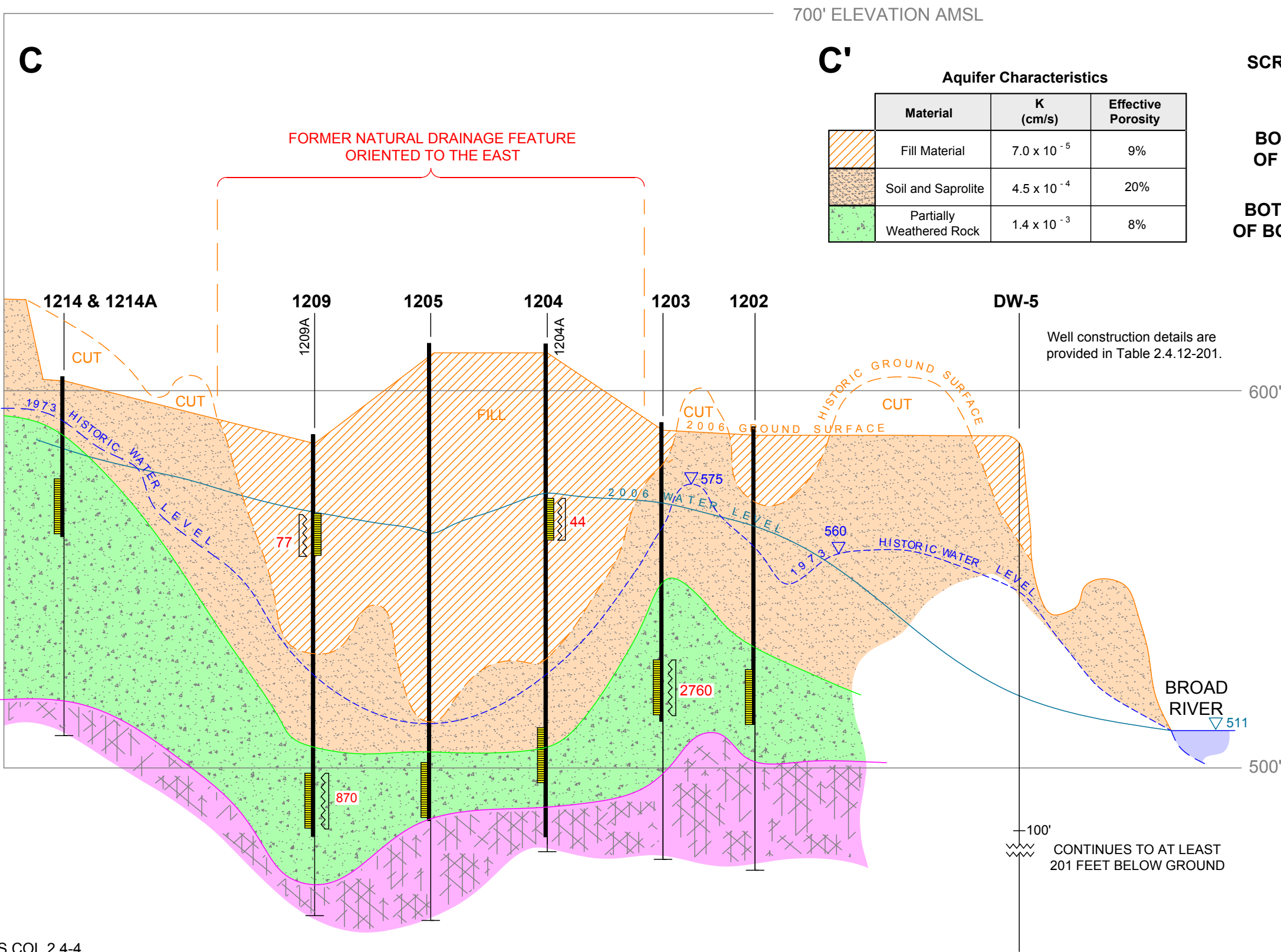
WELL-BORING KEY



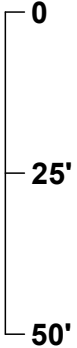
Elevation Units are ft. amsl

Aquifer Characteristics

	Material	K (cm/s)	Effective Porosity
	Fill Material	7.0×10^{-5}	9%
	Soil and Saprolite	4.5×10^{-4}	20%
	Partially Weathered Rock	1.4×10^{-3}	8%



THIS FIGURE ILLUSTRATES GENERAL
HYDROLOGIC CONDITIONS AT LEE
NUCLEAR SITE.



WILLIAM STATES LEE III
NUCLEAR STATION UNITS 1 & 2

Cross Sections of Lee Nuclear Site:
C - C'

FIGURE 2.4.12-205 Rev 5
Sheet 4 of 4