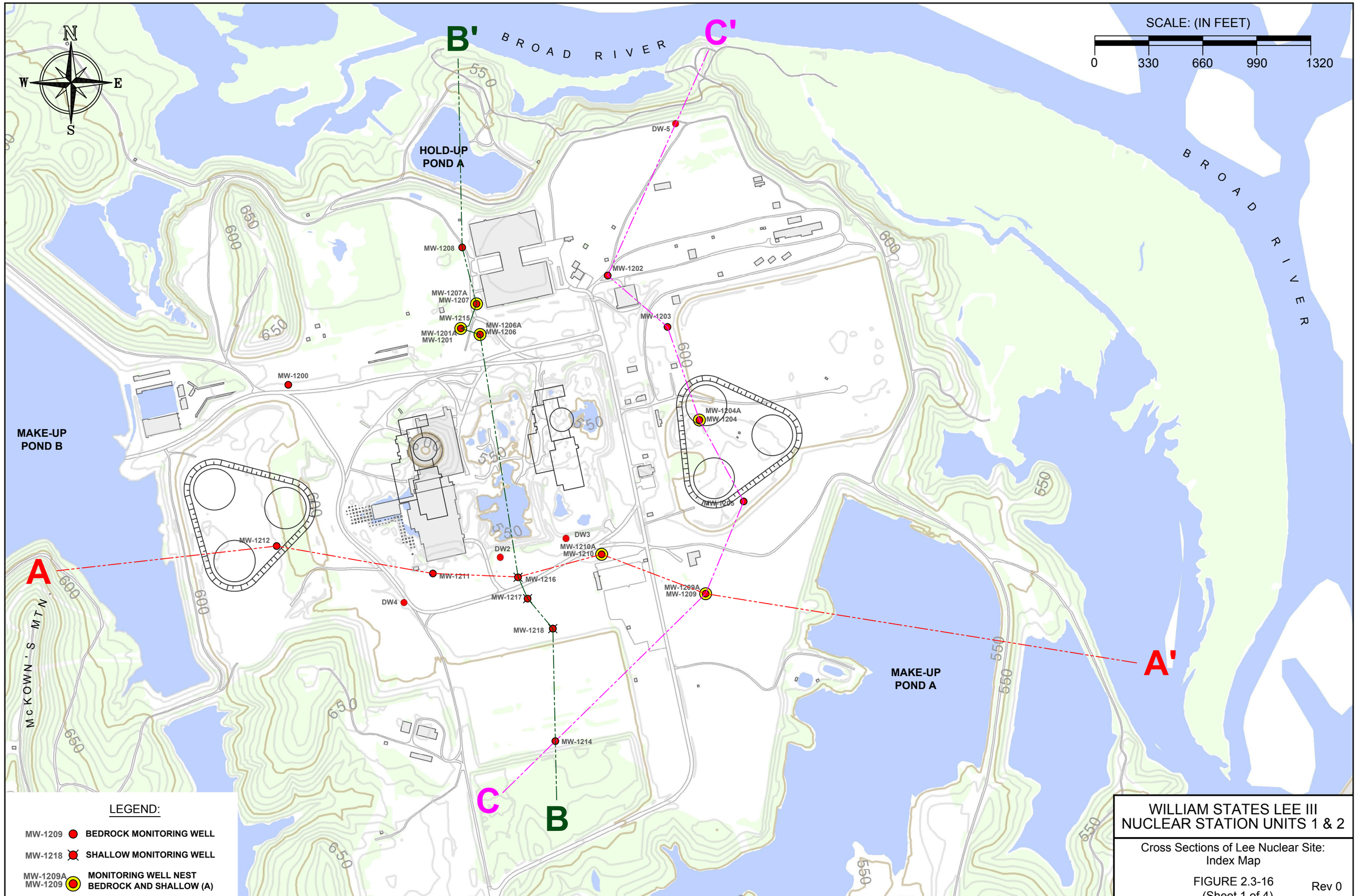
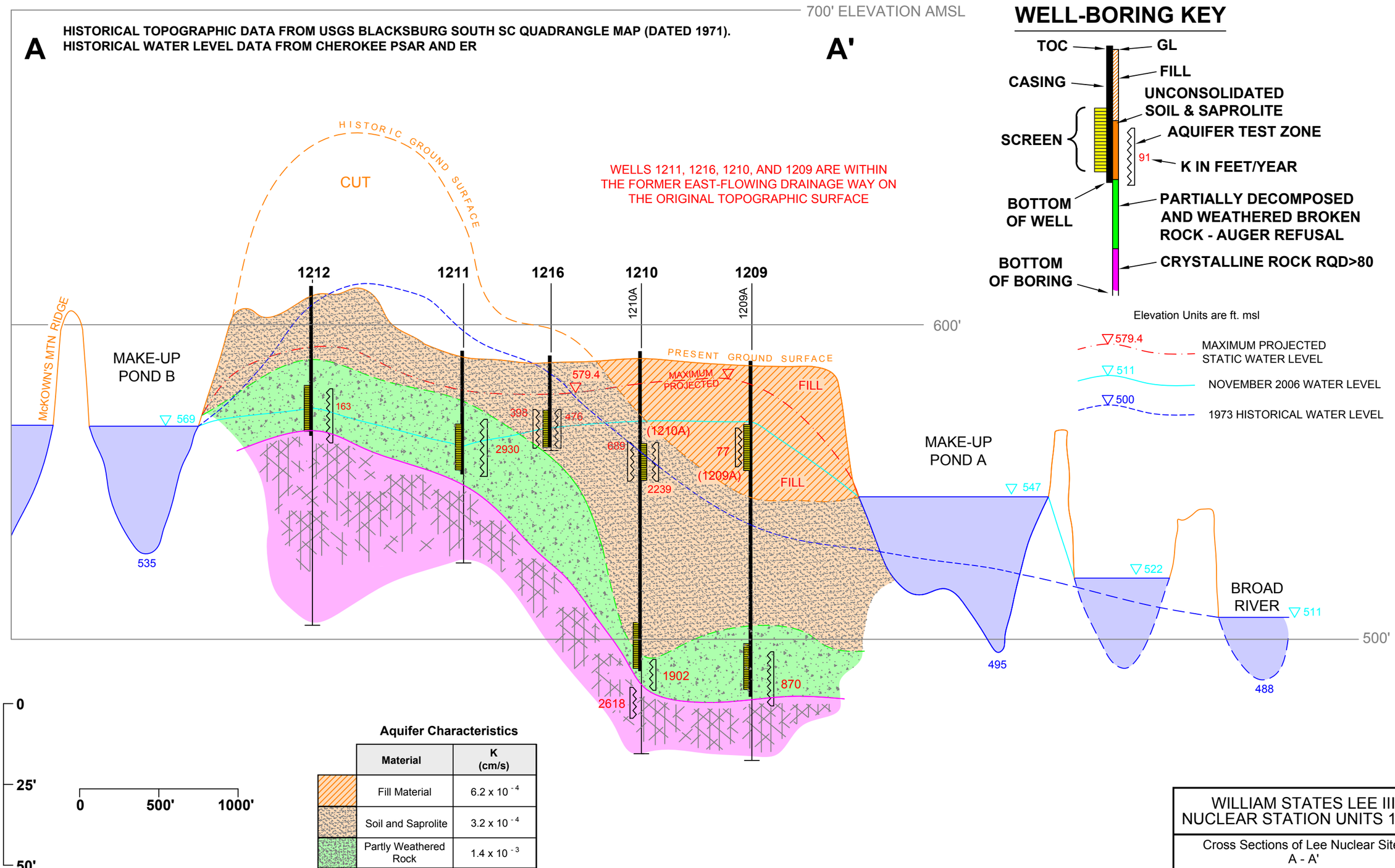


WILLIAM STATES LEE III NUCLEAR STATION UNITS 1 & 2

Cross Sections of Lee Nuclear Site: Index Map

FIGURE 2.3-16 (Sheet 1 of 4)

Rev 0



WILLIAM STATES LEE III NUCLEAR STATION UNITS 1 & 2

Cross Sections of Lee Nuclear Site: A - A'

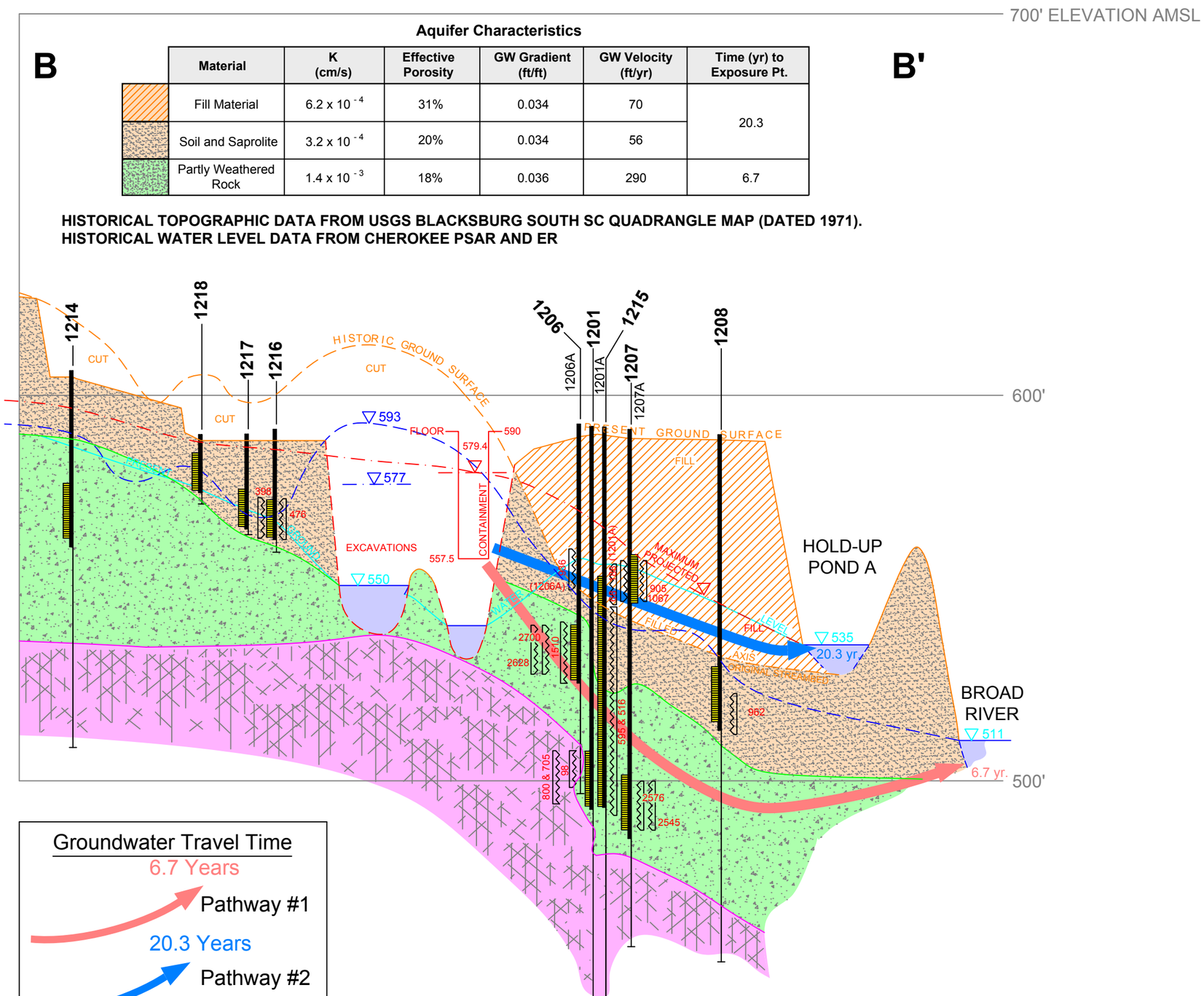
FIGURE 2.3-16 (Sheet 2 of 4)

Rev 0

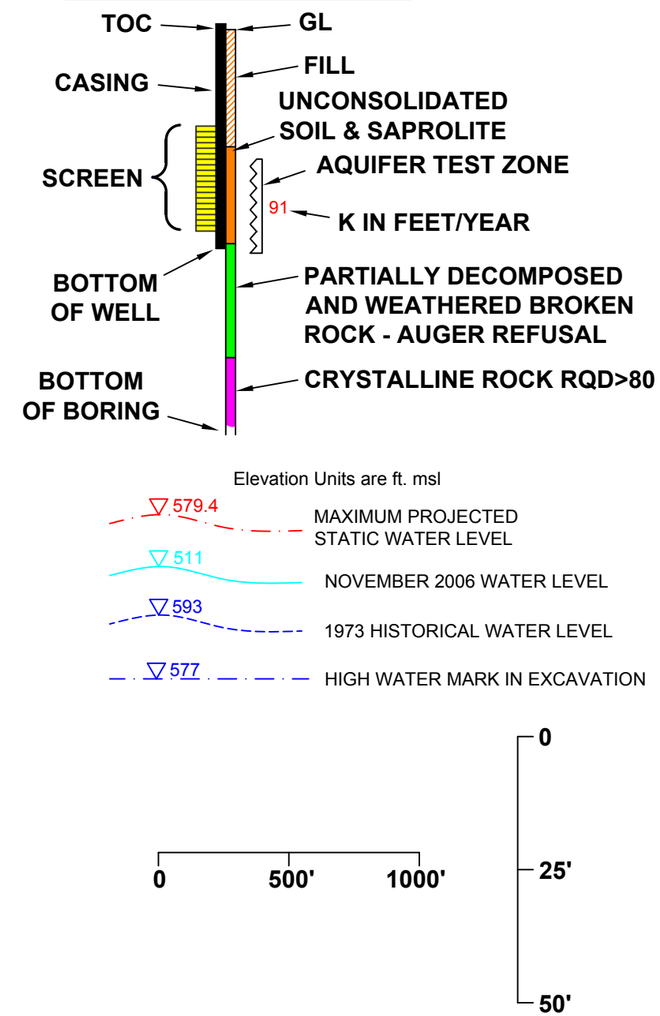
Aquifer Characteristics

	Material	K (cm/s)	Effective Porosity	GW Gradient (ft/ft)	GW Velocity (ft/yr)	Time (yr) to Exposure Pt.
	Fill Material	6.2×10^{-4}	31%	0.034	70	20.3
	Soil and Saprolite	3.2×10^{-4}	20%	0.034	56	
	Partly Weathered Rock	1.4×10^{-3}	18%	0.036	290	6.7

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



WELL-BORING KEY



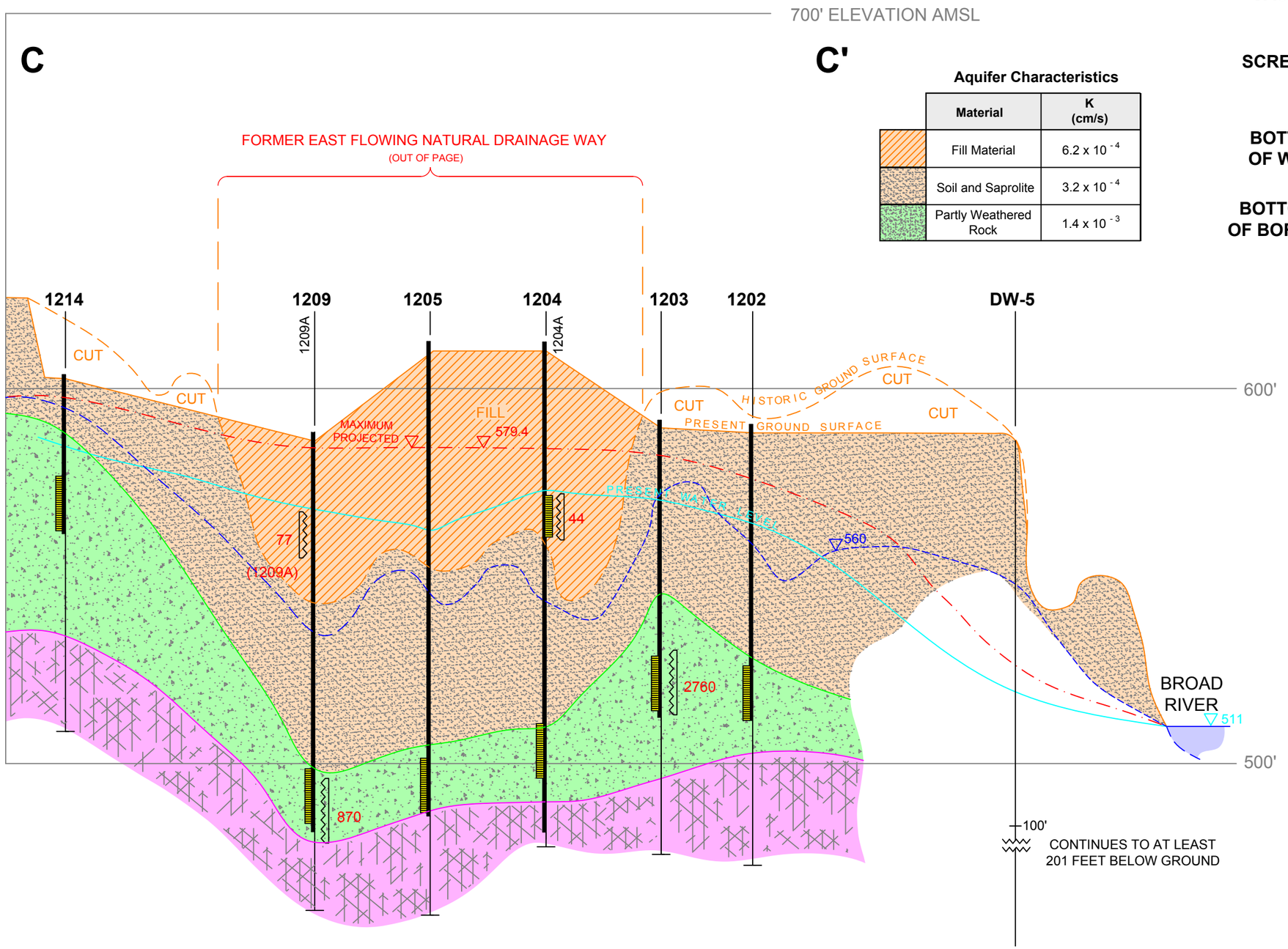
WILLIAM STATES LEE III
NUCLEAR STATION UNITS 1 & 2

Cross Sections of Lee Nuclear Site:
B - B'

FIGURE 2.3-16
(Sheet 3 of 4)

Rev 0

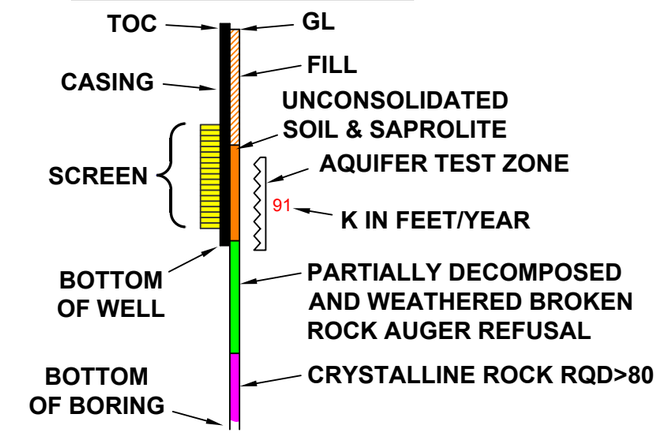
HISTORICAL TOPOGRAPHIC DATA FROM USGS BLACKSBURG SOUTH SC QUADRANGLE MAP (DATED 1971).
HISTORICAL WATER LEVEL DATA FROM CHEROKEE PSAR AND ER



Aquifer Characteristics

Material	K (cm/s)
Fill Material	6.2×10^{-4}
Soil and Saprolite	3.2×10^{-4}
Partly Weathered Rock	1.4×10^{-3}

WELL-BORING KEY



Elevation Units are ft. msl

579.4 MAXIMUM PROJECTED STATIC WATER LEVEL

511 NOVEMBER 2006 WATER LEVEL

500 1973 HISTORICAL WATER LEVEL

0 500' 1000'

0 25' 50'

WILLIAM STATES LEE III NUCLEAR STATION UNITS 1 & 2

Cross Sections of Lee Nuclear Site: C - C'

FIGURE 2.3-16 (Sheet 4 of 4)

Rev 0