2.0 Environmental Setting

2.0 ENVIRONMENTAL SETTING

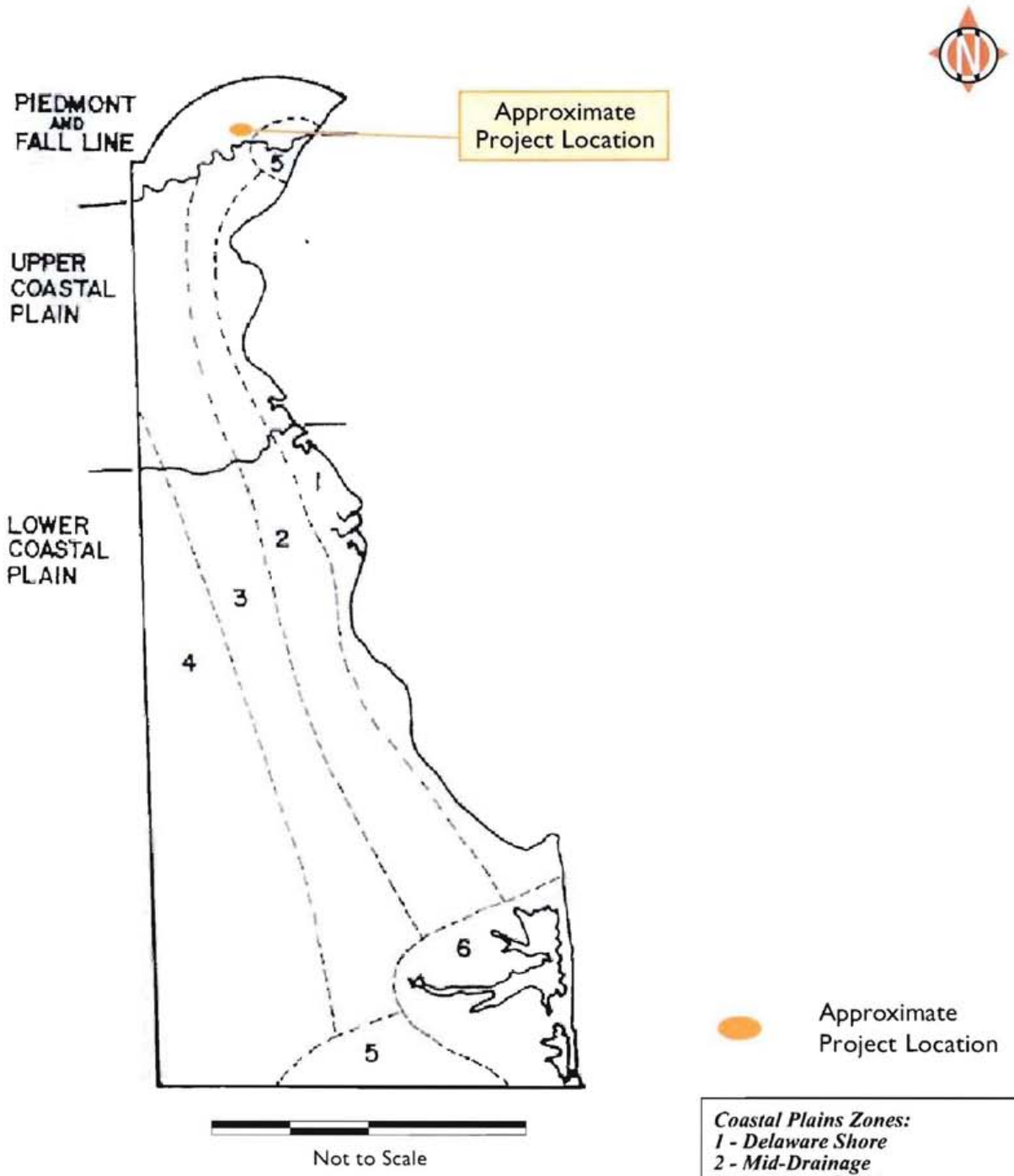
The SR 141 Centre Road Corridor Improvements project APE is located within the Piedmont and Fall Line Physiographic Province (Figure 3). The project APE consists of a gently rolling landscape supporting a heavily developed residential and commercial base. Little Mill Creek flows northwest to southeast through the project area, passing under SR 141 approximately 0.2 kilometer south of Faulkland Road. In general, the area is fairly wooded, with stands of forest situated on and along the floodplain of Little Mill Creek and its tributaries. Several open lots line the SR 141 corridor, but for the most part residential and commercial buildings dominate the landscape.

Soils identified in the study area are within the Urban land association and have been altered through cutting and filling to create areas for streets, sidewalks, and buildings (Matthews and Lavoie 1970) (Figure 4). The majority of the project area is composed of Made land and Urban land (Ma), settings where the landscape consists of deep deposits of fill or where the land has been significantly altered or disturbed through development so that classification of the soils is impossible. A pocket of Aldino-Keyport-Mattapex-Urban land complex (Am) soil is noted along the south side of Faulkland Road east of SR 141, encompassing an intermittent drainage in the Willow Run residential complex. The project APE encompassing the DuPont property in the northeast corner of the SR 141 and Faulkland Road intersection exhibits four soil types, including Chester loam, 0 to 3 percent slopes (ChA); Chester loam, 3 to 8 percent slopes, moderately eroded (ChB2); Keyport silt loam, 2 to 5 percent slopes, moderately eroded (KeB2); and Matapeake silt loam, 2 to 5 percent slopes, moderately eroded (MeB2). Chester loam, 0 to 3 percent slopes, and Chester loam, 3 to 8 percent slopes, moderately eroded, are noted in the Ferris School property as well. The floodplain of Little Mill Creek is mapped as Kinkora silt loam, 0 to 3 percent slopes (KrA) (ibid.).

Figure 3
Physiographic Map of Delaware

SR 141 Centre Road Corridor Improvements

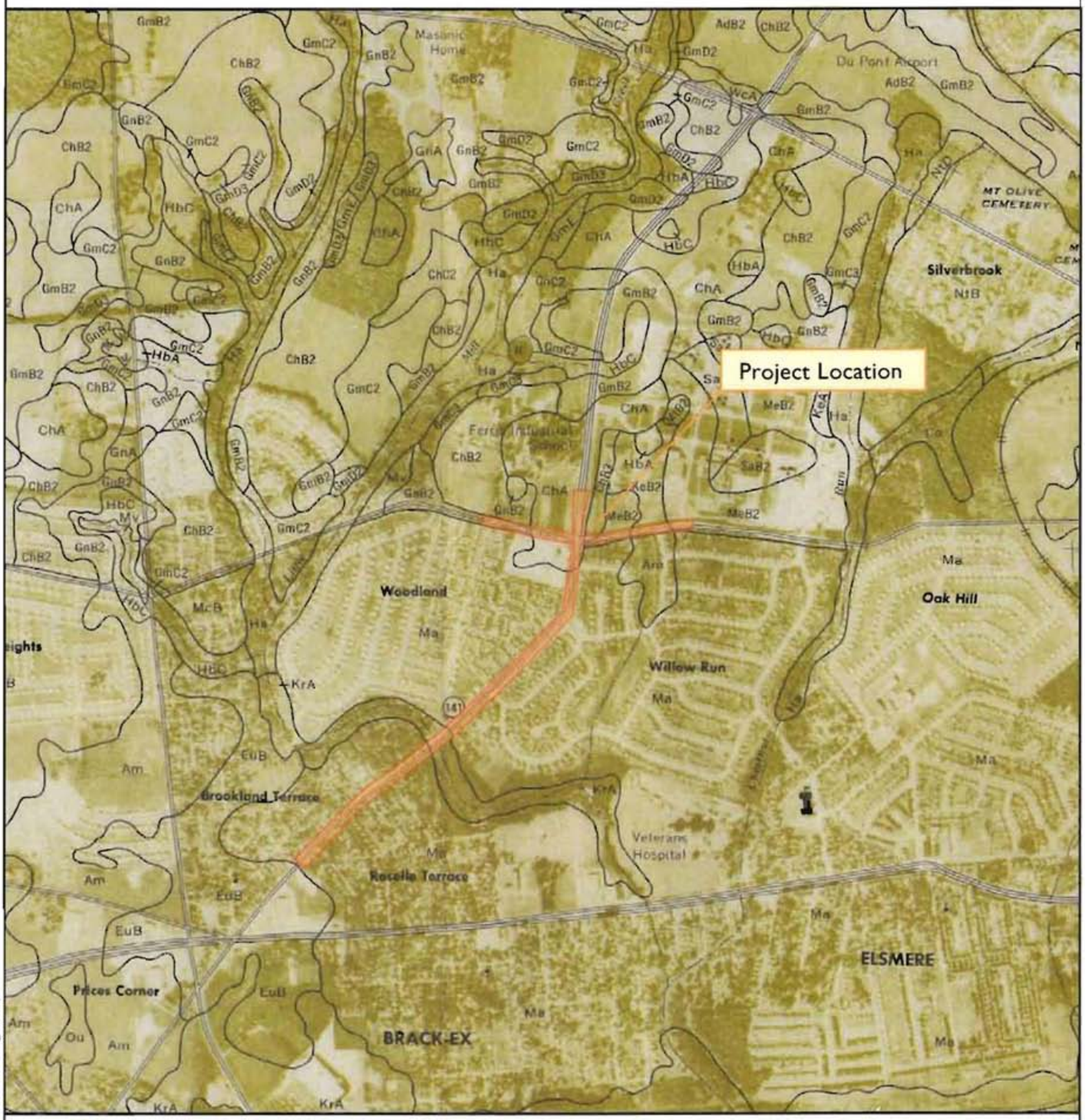
Elsmere, New Castle County, Delaware



Coastal Plains Zones:
1 - Delaware Shore
2 - Mid-Drainage
3 - Drainage Divide
4 - Chesapeake Headwater Drainage
5 - Interior Swamps
6 - Coastal Bay

Source: Custer J.F., 1989

Figure 4
Soil Survey Map
SR 141 Centre Road Corridor Improvements
Elsmere, New Castle County, Delaware



833 0 833 1667
254 0 254 508
Scale in Meters

Project Location

Map Document: X:\Graphics\Projects\P-7321\fig_soilmap.ai

Combined Archaeological Report
Phase IB Survey of Parcels 1 - 8 and Phase II Investigation of Site 7NC - E - 175
SR 141 Centre Road Corridor Improvements

Source: Matthews and Lavoie, Soil Survey of New Castle County, Delaware, 1970.