Avalon Bay Huntington Beach Lofts

CJA was contracted by Avalon Bay Communities, Inc. to design and construct a relatively water tight perimeter shoring system. CJA contracted DRS Engineering, Inc. to assist with the design. The design consisted of a 301 ea. triple axis Cement Deep Soil Mix (CDSM) panels to a depth of 50 feet below grade along the project perimeter with beams in every other column. CJA utilized two beam sizes, W16x40 beams in a cantilever condition and W16x36 with walers and tie backs. There were 117 tie backs drilled to 40 – 45 feet depths, consisting of three and four strand anchors. The tie backs were necessitated due to a deeper excavation for an underground parking portion. Rakers were used at the North East corner due to an existing electrical tower.

Click here to learn more about the Avalon Bay Huntington Beach Lofts project.