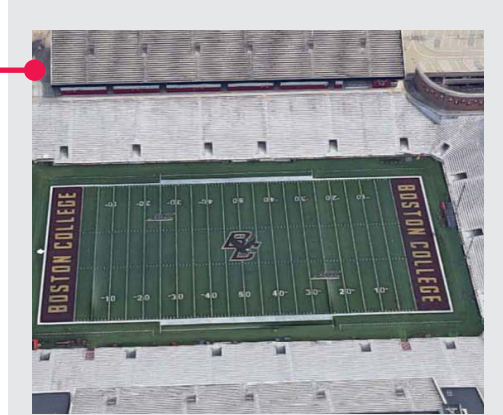


Case Study:

Boston College Alumni Stadium

DOCUMENT

LandTech was hired to provide a 3D laser scan of the existing Alumni Stadium at Boston College. The stadium has a capacity of 44,500 and was built in 1995. The artificial turf was originally installed in 1971 with various replacements over the years, the most recent being in 2012.



DESIGN

The focus of the laser scanning effort was the topography of the field, however, since laser scanning is a line of sight application, all other aspects of the stadium that were visible from the field were also collected by the scanner. The height of the lights or the top bleacher elevation, for example, might not have been needed information now but having the information readily available makes the laser scan data that much more valuable.



DEVELOP

By overlaying the design grades of the field with the elevations collected by the scanner, a complete analysis of the current field topography was completed by LandTech. Areas where the grades differed were easily highlighted - red were areas where the grades were too low and green were areas where the grades were too high. An exact elevation difference could also be reported at any given location within the field, further aiding the contractor when grading.

