

Construction of permanent survey marks shall be certified for the following:

(A) The industrial facility permanent survey marks shall be established prior to any other construction.

(B) Survey marks shall meet the following criteria:

(1) Be referenced horizontally to the “1927 North American Datum”, “1983 North American Datum”, or “State Plane Coordinate System” and vertically to the “1929 or 1988 North American Vertical Sea Level Datum” as identified on the 7.5 minute series quadrangle sheets published by the United States geological survey.

(2) Be at least as stable as a poured concrete monument ten inches in diameter installed to a depth of forty-two inches below the ground surface. Each survey mark shall include a corrosion resistant metallic disk, which indicates horizontal and vertical coordinates of the survey mark, and shall contain a magnet or ferromagnetic rod to allow identification through magnetic detection methods.

(3) Survey control standards for all survey marks shall be in accordance with the following:

(a) At least one permanent survey mark shall be established from a known control point, with a minimum horizontal distance accuracy of one foot horizontal to two thousand five hundred feet horizontal.

(b) For any supplemental permanent survey marks, the minimum horizontal accuracy shall be one foot horizontal distance to five thousand feet horizontal.

(c) For all permanent survey marks, the minimum vertical accuracy shall be one inch to five thousand feet horizontal.