

ONE-POINT T-99 TEST

CHART FOR OBTAINING MAXIMUM DENSITY AND OPTIMUM MOISTURE OF COHESIVE SOILS

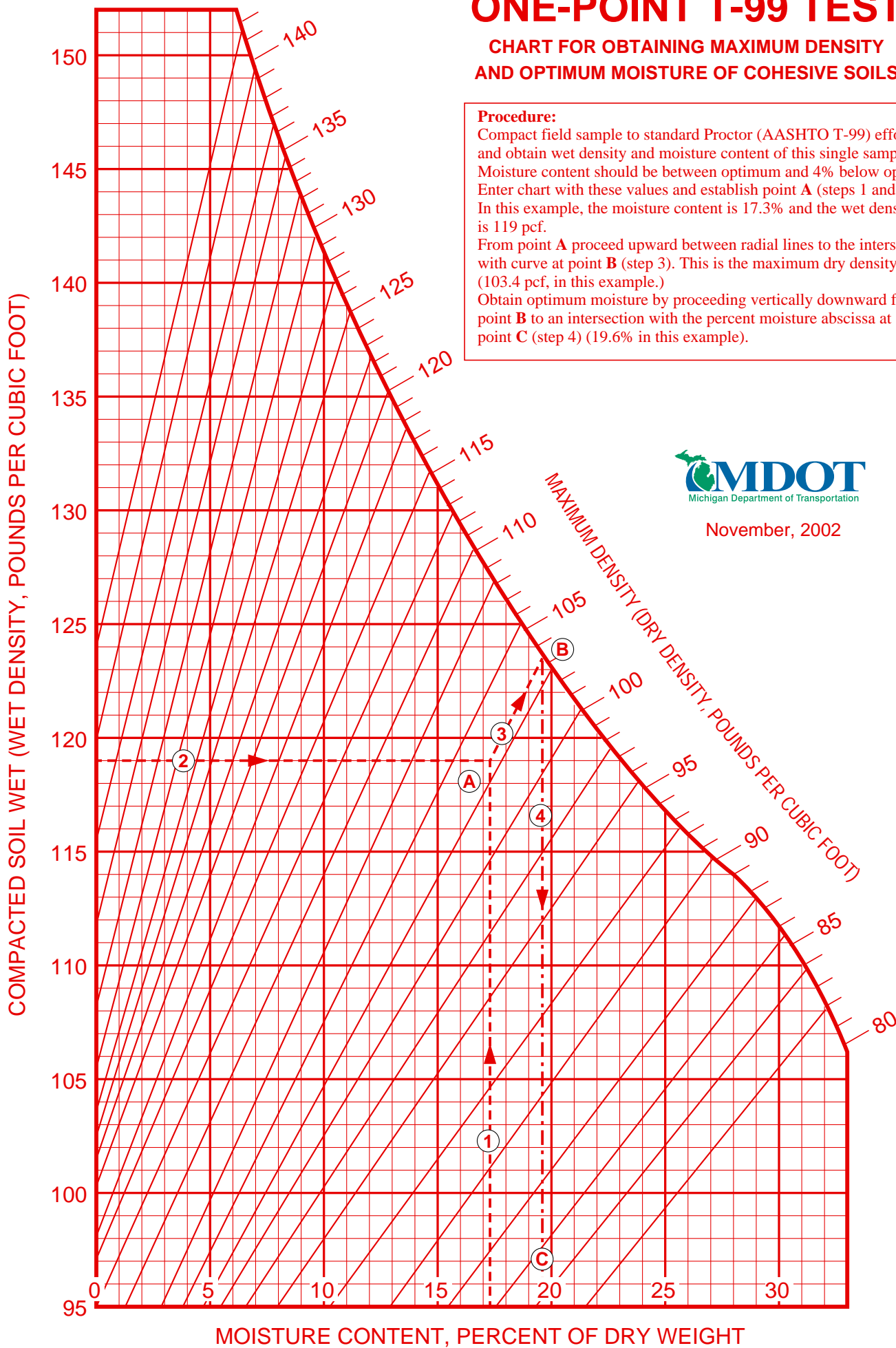
Procedure:

Compact field sample to standard Proctor (AASHTO T-99) effort and obtain wet density and moisture content of this single sample. Moisture content should be between optimum and 4% below optimum. Enter chart with these values and establish point A (steps 1 and 2.)

In this example, the moisture content is 17.3% and the wet density is 119 pcf.

From point A proceed upward between radial lines to the intersection with curve at point B (step 3). This is the maximum dry density (103.4 pcf, in this example.)

Obtain optimum moisture by proceeding vertically downward from point B to an intersection with the percent moisture abscissa at point C (step 4) (19.6% in this example).



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