

ONE-POINT MICHIGAN CONE TEST

CHART FOR OBTAINING MAXIMUM DENSITY
FOR GRANULAR SOILS

Procedure:

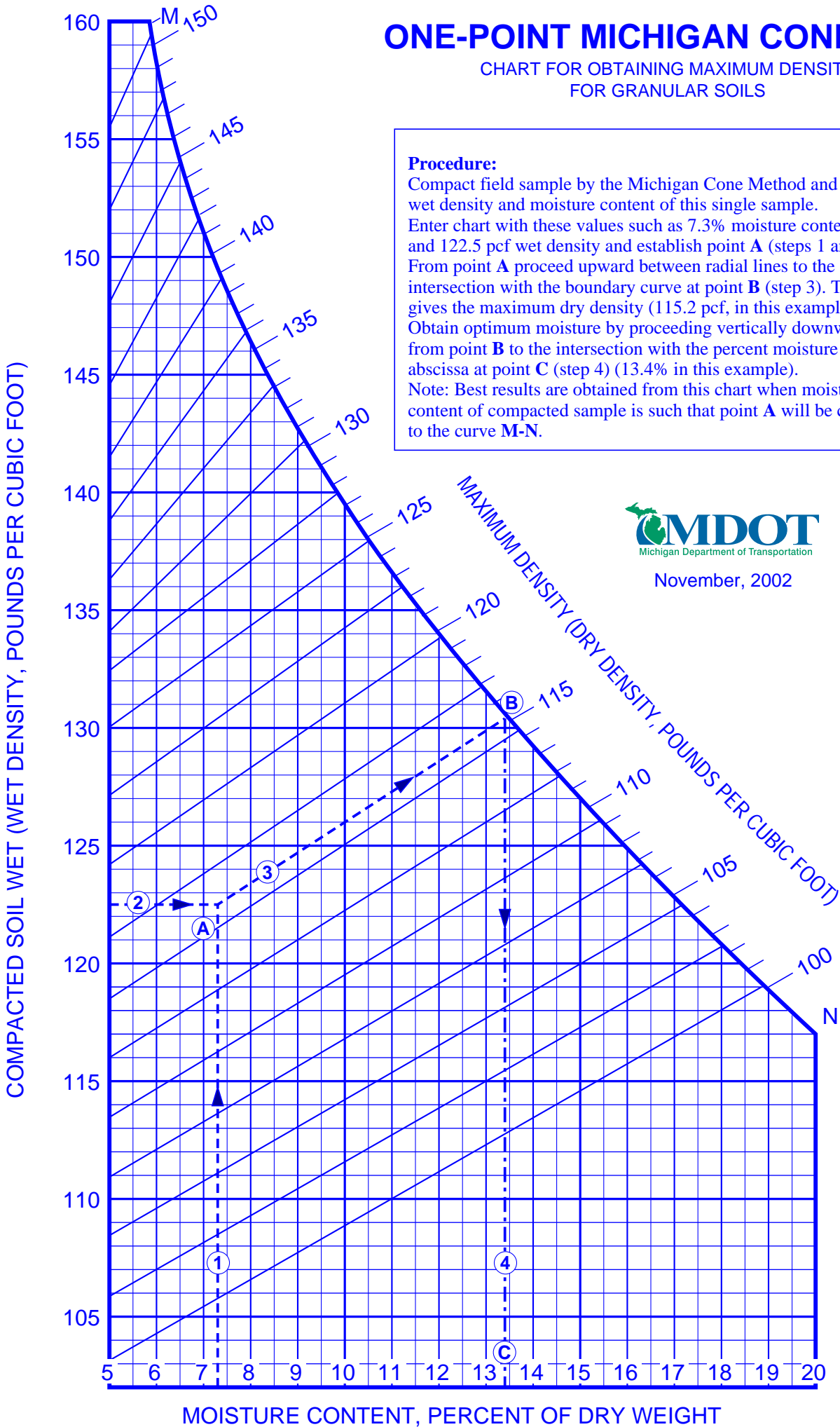
Compact field sample by the Michigan Cone Method and obtain wet density and moisture content of this single sample.

Enter chart with these values such as 7.3% moisture content and 122.5 pcf wet density and establish point **A** (steps 1 and 2).

From point **A** proceed upward between radial lines to the intersection with the boundary curve at point **B** (step 3). This point gives the maximum dry density (115.2 pcf, in this example).

Obtain optimum moisture by proceeding vertically downward from point **B** to the intersection with the percent moisture abscissa at point **C** (step 4) (13.4% in this example).

Note: Best results are obtained from this chart when moisture content of compacted sample is such that point **A** will be close to the curve **M-N**.



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