

It is recognized that at times severe topography will require an increase over this maximum, but they should be used with hesitancy and only for good cause, and the introduction of sharp curvature should be as much as possible in the same locality as possible.

Grade lines will be drawn on the profiles in red, and all elevation figures in red.

Instructions contained in the General Instructions to Resident Engineers in regard to vertical curves shall be followed.

It is also desired that the rates of grades be in even tenths, except on long supported grades, where compensation for curvature necessitates taking advantage of every foot.

The location profile will be inked in, in every particular, except as to grade lines, which will be left in pencil for the approval of the office before inking in.

A tracing profile will be made of this location profile, both being kept up-to-date and finished as rapidly as the progress of the work will permit. This profile is to be titled by draughtsman, exactly as described for preliminary profile.

Every Sunday night send to the office a brief letter report giving the progress made during the last week on both preliminary and location work, accompanying this weekly report with a profile, whenever possible, of the projection or location, as the case may be, together in the case of preliminaries with a tracing of the 15000-ft. map showing the line run since last report.

The Company furnishes heat, light and cooking equipment and boards each member of the party, but they furnish their own bedding. The Company only furnishes the field instruments, and the topographer furnishes his own level and the draughtsman his draughting tools.

The locating engineer is charged with all instruments turned over to him, which are expected to be returned in as good order as received, ordinary wear and tear incident to the use thereof excepted, and in case of the exchange of any instrument with another of the Company's engineers, or in any other manner leaving the possession of the locating engineer, the office is to be advised thereof, in order that proper record may be made thereof.

Locating engineers instructed to purchase supplies must purchase such as conform to the Standard of the Company, in accordance with the list attached.

Drawing tables, spirit levels and tents must be in accordance with the standard tracings, a blue print of which, when needed, will be called for.