

who cannot do first class work after a thorough trial and after proper instructions have been given them.

GRADES.

The ruling grade will be specified by special instructions to be issued as may be required. It is to be understood that the ruling grade will be the maximum. Momentum grades will not be used except by special instructions. If places are found where it appears to be feasible to introduce momentum grades and thereby cheapen construction, a special report should be made. The same applies also to pusher grades. (See Table at end). The grades on curves will be compensated as follows:

COMPENSATION FOR CURVES.

All 1° curves 0.05% per degree

All curves over 1° usually 0.04% per degree

On long supported lines, where it is necessary to get all the rise possible, and in other places where economy in construction can be shown to warrant it, as follows:

2° curves 0.08%

3° " .12%

4° " .15%

5° " .18%

6° " .20%

over 6° " at the rate of 0.033% per degree.

Show on the bottom of the profile, immediately above the curves, the rate of compensation used.

Break grades at even stations only and show elevations on profile. Use grades of even tenths except where compensation makes it necessary to use hundredths, in which case eliminate the hundredths from the elevation of even stations