

et cuts can uniform size and character. It should be free from racter of fine sand, loam and clay, which will make dusty and the road track, cause weeds to grow and will interfere with ed by meadrainage. It should not contain large stones, for sh filled with they will cause rough riding track.

at such point 79. The practice of mixing new ballast with old e Engineer unsuitable material which was between and around or elsewhere the ends of ties is prohibited.

bankments 80. Before new ballast is distributed, centre and opes of egrade lines should be given by the Engineer, track not be p should be thrown to line, defective ties replaced, liable to ties properly spaced, and all unsuitable material above the bottom of the ties removed to the full out in when width of the roadbed and used to widen narrow deep enough bankments, according to the standard roadbed ly drain the section.

must not be 81. Avoid wasting ballast down the sides of em- or sidehill bankments. Material for raising and ballasting protected. must not be taken from the slopes of the em- bankment to the reduction of the same below standard.

82. Where there is heaving or soft track due to drainage, wet pockets in roadbed, a proper drainage outlet the bearing must be provided, if necessary removing the un- rt thereto suitable material causing this condition.

volume and 83. The depth of ballast under the ties, for main ns, and th lines and important branches, must be not less should be than eight inches, and for minor branch lines it should be not less than six inches.

accordance 84. Large stones unfit for ballast should not be as directed thrown on the right-of-way, but used for blind narily. Drains at public and farm crossings, at the base of se, and track signs, or buried at the ends of ties.