

with the line of the road. If, however, from the nature of the ground, berms or offsets on the deep cuttings or side drains, anywhere shall be deemed necessary by the Engineer the same shall be formed agreeably to his directions. Where the earth or other material for forming the embankment is taken from the sides of the road way, the ditch or excavation there shall have such form and dimensions and be made at such distance not exceeding fourteen feet from the foot of the embankment as the engineer may from time to time prescribe, and there shall always be left a berm of three feet below the embankment and the ditch. The side of these ditches shall be neatly trimmed and dressed so as to present as uniform a surface as may be, and the bottom of them shall be finished off with such an uniform slope as in the opinion of the engineer will be sufficient to carry the water to the nearest leading drains.

4. Wherever loam is found near the surface of the road way as at the beginning and end of excavations, in shallow embankments or elsewhere, or wherever clay or any other earth than ground occurs near the surface of the roadway, in the body of the excavation, the same shall always be removed if so required by the Engineer to the depth of at least 20 inches below the proper grade, and replaced by good gravel, taken from such place as may be directed, or approved by the engineer, and the price of this shall be paid by the engineer during the progress of the work.

5. The ground for the roadway and the base of the embankments and also for the ditches shall be cleared of all bushes, trees, logs, stumps and other perishable materials. In embankments of two feet high and less, and wherever there is no embankment under the roadway, the roots must be removed; wherever the embankment is from two to five feet high it will be sufficient to cut them close to the ground. In embankments over five feet high they may be left at the ordinary height of two feet.

6. All the building stone and other materials obtained from the excavation as will the timber and wood on the section shall be considered the property of the corporation, and shall be removed therefrom and deposited in such place as the engineer may direct within the limits of said section, either within or without the road way. Surplus wood will be allowed the contractor for fuel and the erection of shantees.

7. Whenever the earth to be excavated shall exceed the quantity required for the embankments, spoil banks may be made in such place and form as the engineer may direct; and where the cuttings do not afford a sufficiency of earth for the fillings, the deficiency shall be supplied either from the side ditches or from the nearest cutting, so as to increase regularly the width of such cutting, or from such other place, not more distant than the average haul on this section, as the engineer may designate.

8. All the embankments when accepted from the contractor as finished, shall exceed the proper height or be above the grade of the road, in the proportion to four inches to every ten feet of