

The road and stream diversions are shown on the general plan.

The longitudinal section is drawn to a horizontal scale of three chains to the inch, and to a vertical scale of fifteen feet to the inch. It represents the natural profile of the ground along the centre line of the Railway. The red line shows the level of the bottom of the ballast. On the longitudinal section are shown the positions and sizes of the culverts and bridges described in this Specification.

ALIGNMENT OF STRUCTURES.

3. In the construction of bridges, culverts, road crossings, and generally, it is Alignment. to be understood that they are to intersect the line of Railway at such angle or curve as may be necessary and approved in each case, although they may be shown on the drawings straight and at right angles; and in the interpretation of the drawings and schedules, and of this Specification, it shall be distinctly understood that all works or materials necessary to the due and workmanlike completion of every erection are to be provided, whether specially described or not.

CONTRACTOR TO PROVIDE LABOUR, PLANT, AND MATERIALS.

4. The Contractor is to provide all labour, tools, implements, plant, and Contractor to provide labour, &c. materials, and is well and substantially to construct and complete the Railway in accordance with the plans and specifications, and to deliver the same complete, and is to maintain and keep the said Railway, and all works connected therewith, in perfect order and repair for the space of three months from the delivery of the same to the Government.

The said Railway shall be made in accordance with this Specification, and with the plans and sections herein referred to, or with such modifications of the plans and sections as the Engineer shall order, provided such modifications shall not increase the cost of the work.

FENCING.

5. The whole of the Railway shall be securely fenced on both sides, except at those places where large ditches are cut, and on the outside of the line at the Taieri River and Waihola Lake.

The present fences on the west side of the line on the Taieri and Tokomairiro Plains may be allowed to remain, provided they are put in thorough repair and left in a condition at least equal to that of any of the fencing to be erected on the other parts of the lines.

The fencing shall be of three kinds, as shown on Drawing No. 1, and described in the special specification annexed.

The lengths of the different kinds to be provided shall be as follows:—Repairing present fencing, 500 chains; Sod fencing, 500 chains; Nos. 2 and 3, 3,080 chains.

EARTHWORKS.

7. All flax, scrub, rushes, or Maori-heads growing on the line of the Railway, Clearing scrub, &c. shall be cut down to the full width between the outside of slopes.

No public or private road that crosses or intersects the Railway or works Roads not to be obstructed. thereof, shall be obstructed by excavation or otherwise, until the Contractors shall have provided such temporary roads as may be necessary for the traffic.

The cuttings are to have a base at formation level of 10 feet in rock, 11 feet Cuttings. in loose rock, and 13 feet elsewhere, and are to be made in accordance with plan and section attached; but should the Engineer require any of the cuttings or banks to be made with different slopes from those shown on Drawing No. 1, the difference of cost shall be added to or deducted from the contract sum. Such alteration to be ordered in writing.

A drain is to be cut along the bottom of slopes of cuttings, except in rock; Drains. this drain to average 5 cubic feet per lineal yard. Catchwater drains are to be cut above the top of one slope of cuttings, at a distance of from a quarter of a chain to a chain from the top of slopes; these ditches are to average 5 cubic feet per lineal yard, and are to be true and regular to the inclinations directed; no stumps or roots to be left in them.

The embankments must be carried forward uniformly of the proper shape, Embankments. with such an allowance to the correct heights and widths as a due allowance for the