

the sizes indicated on profile. They shall be laid to grade, as directed by the engineer, and the earth shall be firmly tamped around and over them and the ends protected with masonry.

The masonry protecting the tile shall begin not less than one (1) foot below the bottom of stream and shall be on solid foundation and built up as high as the finished surface of the road.

Walls to be eighteen inches thick and extend not less than two (2) feet on each side of the tile and shall be covered with a coping not less than four (4) inches in thickness and to extend four (4) inches over the wall all around.

Masonry shall be constructed of concrete made in the following proportions: One (1) part American Portland cement, two (2) parts sand and four (4) parts gravel, thoroughly mixed and placed in the forms at once in layers not more than one (1) foot thick and each layer to be thoroughly tamped before another is put in. The top of the coping and exposed surfaces of the walls to be finished with one (1) inch of concrete composed of one (1) part of cement to two (2) parts of sand.

CORNER STONES.

The contractor shall not allow any corner stones to be moved or taken out, but if any corner stones interfere with the work of grading he shall notify the engineer who will lower them so that they will be out of the way.

GENERAL SPECIFICATIONS.

The entire work must be executed in accordance with the plans, specifications and profile, and all the different portions of the work shall be done in the order designated by the engineer, and all work herein specified or found necessary shall be done in accordance with the orders and directions of said engineer, and he shall be the judge of the quality and fitness of all material, tools and labor used in the construction of the work.

The contractor shall superintend the work in person and shall not sublet any part thereof without the consent of the Board of Commissioners of Vermillion County and the engineer in charge of construction, and in case any part is so sublet it shall in nowise affect the conditions of these specifications.

The contractor must protect his work until it is completed and approved by the engineer and Board of Commissioners, and he must repair any damage done by rains, freshets or other ac-