

Dr. F. C. Allen; March 17, 1938; page 2.

I have therefore shown a cross section of a drainage box, side walls built up of rough stone setting on concrete footings, having a concrete floor and reinforced concrete top. The grade of this box is set so that the fill in the field would entirely cover it so that it would offer no obstruction in the playing field.

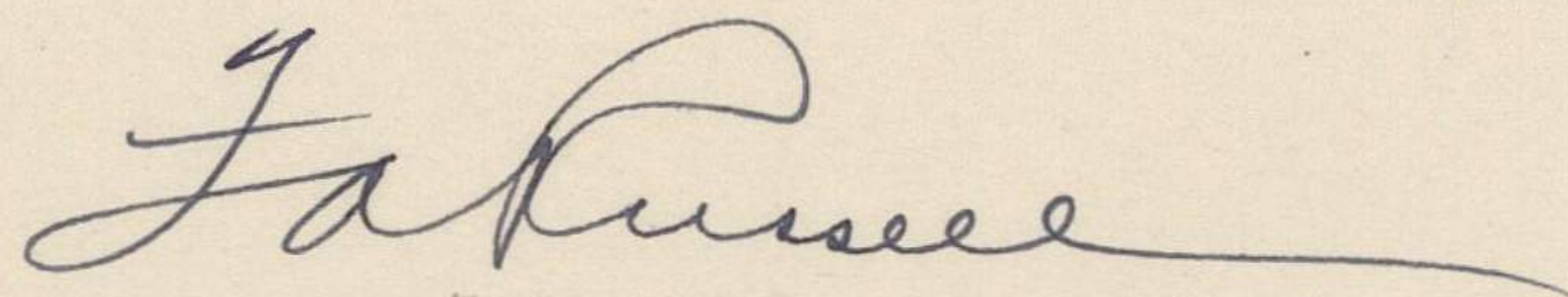
I have shown on the tracing the quantities of material necessary together with grading and tile drains, and on a separate sheet I am applying a unit price which I feel is somewhere near correct in order that you may have some idea of the approximate cost of the project.

You will note from elevations shown on this plat that the north field falls from 12 to 14 feet in the 400 feet across it. The proposed grade cuts down at the north approximately 8 feet and fills 6 or 7 feet at the south, and cuts this slope to approximately one per cent or a drop of 4 feet in crossing the field to the south. This is probably as near level as we dare go and maintain proper surface drainage. I think this grade would not be a serious objection on the playing field.

A similar grade is shown for the field to the south. This you will note becomes a rather large project and if necessary the tile drains could be left out for the present. The tile to be placed in the new embankment towards the south edge of the field could not be placed at this time on account of the desirability of allowing the fill time to thoroughly settle.

I realize that this project no doubt is calling for a greater expense than you had expected but I thought best to draw up this plan on the basis of a first class completed job, and if you are unable to use it at the present time it may be used some time in the future. I shall be glad to go over this personally with you.

Yours very truly,



F. A. Russell, Professor
of Civil Engineering

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