DRAINAGE BLANK.

IN THE MATTER OF THE PETITION OF

AND OTHERS.

ENGINEER'S REPORT

Ditch No.....

Filed Jane 13 1907.

Mhuit Martin County Auditor.

Approved and adopted......190......

County Auditor.

No. 675

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| | NO. 675—ENGINEER'S REPORT IN DITCH PROCEEDINGS |
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| In the Matter of the Petition of Julius E. Hard |
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| for aPublic Ditchin the County of Anoka, |
| State of Minnesota. |
| TO THE BOARD OF COUNTY COMMISSIONERS OF Anoka County, State of Minnesota: |
| I, the undersigned civil engineer appointed by your order dated the10thday |
| S., to survey the route proposed in the petition of |
| — I Ditch ————, respectfully report that, within the time specified in your said order, |
| dii Ditch, |
| to its outlet, and of the branches thereof; and did cause stakes to be set along said line, and along the |
| branches thereof, numbered progressively down stream at each one hundred feet. |
| That in making said survey I did locate the source, outlet, and line of said |
| as near the points of source, outlet, and the described in sata petition therefor as practicable, and did consider and specify such branches of saidas in my opinion are |
| necessary to give the land owners likely to be assessed for its construction the full benefit thereof; and |
| wherever the line of saidDitchis along established highways I did locate it at |
| a sufficient distance from the center of said highways to admit of good roads along the central line |
| thereof, and in such manner as to provide sufficient and suitable culverts and openings to drain |
| away the surface water therefrom, and so as not to obstruct the flow of surface water therefrom in time of high water; and did, so far as practicable, locate said |
| between lands owned by different persons, and did avoid, as far as practicable without sacrificing the seneral utility thereof. laying the line of saidDitch or its branches diagonally across lands |
| y persons on or across which the said Ditch or its branches must pass. |
| used a map of said survey to be made, showing the line and location of |
| runs, the stakes placed along the line thereof and along said branches thereof and the number of |
| each stake, the separate tracts of land over or across which any part thereof and its branches pass, |
| ntion of each tract, t |
| name of the owner of each tract, |
| |

which said map is hereto attached and made a part hereof, marked "Exhibit 1."

inspection of the same until its completion, and the total estimated cost of said work complete to its feet stakes, the total estimated number of cubic yards of earth to be excavated from said...... estimated cost of all underground work with tile or other material between each of the one hundred and the branches thereof, the cost of excavating the same per cubic yard, the estimated cost of the completion; which said tabular statement is hereto attached and made a part hereof, and masonry work, fences or bridges necessary between each of said one hundred feet stakes, the removal of obstructions between each of said one hundred feet stakes, the estimated cost of all wood be excavated between each of the one hundred feet stakes along the line of said..... "Exhibit 2." I did further cause to be made in tabular form a statement, showing the number of cubic yards to ...and the branches thereof, the estimated preliminary expense and expense of Ditch marked

I did further cause to be specified and set forth in tabular form the depth of cut, the width at the with size and character of tile and other materials necessary to be constructed between each of said sections between said one hundred feet stakes is to be done; be removed, the wood or masonry work, fences, bridges, or other structures, one hundred feet stakes, the manner in which the several kinds of work is to be done, and the which said tabular statement is hereto attached and made a part hereof, marked "Exhibit 3." hundred feet stakes, the underground bottom, the width at the top, between each one hundred feet stakes of said. Ditch and necessary to be constructed between each of said one within which the work on each of said the obstructions to

did further cause to be specified and set forth in tabular form a statement, showing the time and laborers employed in making said survey, the time each was employed, the amount per day of occupied by me in making said survey and my compensation therefor; the names of the assistants and nature incurred by me in making said survey, and the amounts thereof; which said tabular their compensation, and the total amount each is to be paid; and the other expenses of every statement is hereto attached and made a part hereof, marked "Exhibit 4."

and the time in which the said work shall Where saidlitch or its branchas along or across, or drains, any public or corporate road earth-shall-be-deposited-or-the-roed-in-such form of contract and specifications more specificly contract and specifications has been inspected said road track of the specify that the eari improve the traveled describing the work and the manner prepare a did....तेर्व 28 C) completed Ţ railroad, manner

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attorney.

approved by the county

Of

form

which

is to be done, with complete specifications of the manner in which the work of said construction is to andbe done attached thereto, which said form of contract and said specifications is hereto attached 47 Anoka County, a form of contract under which the work of the construction of said. Ditch. No. I did cause to be prepared, with the assistance of the County Attorney of said. made a part hereof, marked "Exhibit 5."