

Engineer's
Preliminary Report

Ref. D. 14

Filed 10/21/30
Arthur H. Corwell,
& Associates
by C. P. P. per
ref. D. 14

Engineer.

Respectfully submitted this 18th day

of Oct., 1930

so called

This ditch drains about 470 acres and the outlet is in North Brook
are likely to be affected by this improvement.

Location of County Ditch No. 14 and the names of the owners of the land that
I have made a map and attached to this report showing the approximate

To the Board of County Commissioners
Gentlemen;

I, the undersigned, Wayne L. Ridge Engineer appointed by your Board to make an examination and preliminary survey of Repairs County Ditch No. 14 as petitioned for by Erik Sanderson and others would report as follows,

I have made such examination and preliminary survey and find that in order to properly drain the lands adjacent to County Ditch No. 14 and which lands were assessed for the construction of County Ditch No. 14, it is feasible, necessary and practicable to widen, deepen and enlarge County Ditch No. 14.

The Ditch is about $3\frac{1}{2}$ miles long and with a bottom width of 3 feet and an average probable depth of 3 feet and an average top width of 9 feet would cost estimated at 30¢ per cubic yard of excavation about \$3600. This cost of construction together with necessary costs and expenses would make the total estimated cost about \$4200.

With a bottom width of 3 feet and an average probable depth of 4 feet and an average top width of 11 feet would cost estimated at 30¢ per cubic yard of excavation about \$5400. This cost of construction together with the necessary costs and expenses would make the total estimated cost about \$6200.

With a bottom width of 4 feet and an average probable depth of 6 feet and an average top width of 16 feet would cost estimated at 30¢ per cubic yard of excavation about \$12000. This cost of construction together with the necessary costs and expenses would make the total estimated cost about \$13500.

The first and second estimates are figured of size that would be hand work, the third estimate is figured of a size that could be handled by a dry land dredge.

The smallest size of ditch above estimated would be an enlargement on the present ditch and would provide much better drainage but I would recommend that one of the larger sizes be decided upon as the larger the ditch the longer number of years it will give good service without having to be repaired.

I have made a map and attached to this report, ^{a Map} showing the approximate location of County Ditch No. 14 and the names of the owners of the land that are likely to be affected by this improvement.

This ditch drains about 470 acres and the outlet is in Ford Brook so called.

Respectfully submitted this 18 th day of Oct., 1920

Wayne L. Ridge
Engineer.

[Faint handwritten notes and sketches, possibly a map or list of landowners, are visible on the left side of the page.]