

BISCAYNE ENGINEERING COMPANY

(INCORPORATED)

ENGINEERING CONTRACTORS

ROOM 6, HAVLIN BUILDING

31 N. E. FIRST STREET

JOHN A. MOORE, PRESIDENT
J. J. BENNETT, VICE-PRES.
E. E. HARVEY, SEC.-TREAS.

MIAMI, FLA. November 14th, 1923.

Frank J. Pepper, Chairman,
J. O. Harley,
R. E. Mc Donald,
Committee in charge of Biscayne Drainage District.

Gentlemen:-

At the meeting in Chamber of Commerce Rooms last Wednesday Mr. Graham, one of the Commissioners for the Dade Drainage District, made the following proposition to you: That a 75 foot canal be put through the Biscayne Drainage District and carried on west through the Dade Drainage District to the Miami Canal and that the expense of building the 75foot canal through the Biscayne Drainage District be borne on a fifty-fifty basis by the two districts. You instructed us to prepare an estimate of comparative costs of the canal as originally designed by us to drain the district and our half of the proposed 75 foot canal. Below are these comparative estimates:

BISCAYNE DRAINAGE CANAL

Description	Quantities (cu.yds)	Unit price	Estimated cost
Muck, Marl, Sand etc	255159.7	.18¢	\$ 45928.75
Rock	144208.9	.75¢	<u>108156.68</u>
Total - - -	-	-	\$ 154085.43

75 FOOT CANAL

Description	Quantities (cu.yds)	Unit Price	Estimated cost
Muck, Marl, Sand, etc	812755.8	.18¢	\$ 146296.04
Rock	646006.3	.75¢	<u>484504.72</u>
Total - <u>1,458,761</u>	-	-	\$ 630800.76
One Half of Total	-	-	\$ 315,400.38

From this estimate you will see that the cost of 1/2 of 75 foot canal will be about double the cost of the Biscayne Drainage Canal.

812,755.8
255,159.7
557,596.1

1,200
400

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Page 2

The 75 foot canal will discharge 808 cu. feet per second at the Bay. The smaller Biscayne Canal will discharge 328 cu. feet per second at the Bay. The difference of discharge is 480 cu. feet per second. In order to protect your district against flood water it will be necessary to reduce the size of the 75 foot canal at line where the two districts join, so that it can carry only this difference or 480 cu. feet per second. This would reduce the size of canal to approximately 50 feet at this point.

Very truly yours,

BISCAYNE ENGINEERING CO.,

BY John A. Moore.

G.

MAILED
NOV 15 1923