

MINUTES OF A CALLED MEETING OF THE BOARD OF DIRECTORS OF
TARRANT COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT NUMBER ONE
HELD IN THE DISTRICT OFFICE IN FORT WORTH, TEXAS, ON THE
7TH DAY OF DECEMBER, A. D. 1932, AT 7:45 P.M.

The call of the roll disclosed the presense, or absence, of Directors as follows:

PRESENT:

W. R. Bennett
E. E. Bewley
C. A. Hickman
Joe B. Hogsett

ABSENT:

W. K. Stripling

W. R. Bennett presided as President; C. A. Hickman acted as Secretary, in the absence of Secretary Stripling.

At this time and place the following proceedings were had and done, viz: ✓

1.

Minutes of the meeting of November 28, 1932, were read, approved and ordered of record.

2.

Mr. Dudley K. Woodward, Jr. appeared before the Board, representing all of the Contractors, for the purpose of procuring the Board to enter its formal order approving the Engineers' Estimate of the Progress of the Work Number 32, and Final, showing that the work had been substantially completed, had been accepted by the District, as compliance with the contract, and that the balance due by the District to the Contractors, now due and payable was the sum Five Hundred Twenty-One Thousand Five Hundred Seventy-Seven and 90/100 (\$521,577.90) Dollars.

According to the Minutes of the meeting of October 24, 1932, it appeared

that on October 10, 1932, the Engineers for the District had actually certified to the Directors that the work was practically complete in compliance with the contract. Further, that under the contract the Directors of the District had fifteen (15) days after October 10, within which to inspect the work, actually accept same, and thereby mature for payment the balance due to the Contractors. It further appeared that such inspection by the Directors had been made within said fifteen (15) day period, and that the work had been found to be complete as certified by the Engineers, and that the balance due the Contractors thereby had become due and payable as of said October 25, 1932. Attached hereto as "Exhibit A," is Estimate No. 30, Estimate No. 31, and "Estimate 32, and Final," showing said balance of \$521,577.90. ✓

There was full consideration of this matter, whereupon Director Hogsett made a motion that said final estimate do be approved for payment as and when money therefor may be available, and further that the record of this motion do constitute full evidence that the District has received the work from the Contractors as complete compliance with the contract, subject only to the obligation of the contractors for maintenance for the period of one year as provided for in the contract under which said work was executed. Adoption of this motion was seconded by Director Hickman. Upon a vote being taken the motion was unanimously carried and it was so ordered.

3.

Thereupon Mr. Woodward, speaking for the Trinityfarm Construction Company, but not for the associated contractors, presented a letter dated December 3, 1932, directed to Mr. Bennett, as Chairman of the Board of the District, in which he sets up what purports to be a distribution of the proportion of the balance due by the District to the Contractors, as between McKenzie-Uvalde Construction Company and Trinityfarm Construction Company, together with certain data, on which the analysis is based. Said letter is attached to these Minutes as

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"Exhibit B," and here is referred to as part hereof. He explained that the purpose of presenting the letter was to place the matter in such condition that Trinityfarm Construction Company might independently proceed to bring about payment of its part of the total money now due for construction, permitting the other contractors to do likewise. There was full consideration of this matter, whereupon it was the opinion of the Directors that any agreement to bring about the result desired by Mr. Woodward should be based on written agreement thereto signed by Trinityfarm Construction Company, McKenzie Construction Company and Uvalde Construction Company. This conclusion was agreed to by Mr. Woodward, who undertook to place the matter in the condition desired by the Board.

4.

Attached to these Minutes as "Exhibit C," is a statement of the financial condition of this District as of December 6, 1932, which here is referred to as part hereof. Said statement among other things shows proposed Voucher Checks, consecutive serial numbers from 3033 to 3047, both inclusive, for the total sum \$297.15, to cover certain items of indebtedness of the District now due and payable. There was consideration of these checks, together with the data to support the same, whereupon Director Hogsett made a motion that said proposed voucher checks, as stated, do be approved, executed and delivered to the various persons entitled to receive the same. Adoption of this motion was seconded by Director Hickman. Upon a vote being taken the motion was carried and it was so ordered.

5.

There was brought to the attention of the Directors for consideration the provisions of the statutes controlling this District with reference to the holding of an election on the second Tuesday, on January 10, 1933,

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for the election of two directors to serve two years, and to succeed Directors C. A. Hickman and Joe B. Hogsett, whose terms will expire in January, 1933. It was explained that publication of the notice of the election should be made on a date not later than December 16, 1932, and that arrangements for the holding of the election, if it be held, should begin at once. It was further explained that the cost to hold the election would probably exceed two thousand (\$2000.00) Dollars. The financial condition of the District was examined and it was the opinion of the Directors that the District's distress in the matter of money would seem to make it highly desirable to avoid holding this election if it might lawfully be done. No person present was aware of any demand for a change in the personnel of the Board of Directors by the electors of the District. Thereupon the attorneys for the district were asked to render their opinion as to whether or not the election might be postponed until such time as the district's financial condition might be such as to permit the holding of the election without denying to the district funds wherewith to pay other necessary expenses.

Thereupon the attorneys orally gave their opinion as follows:

Subject to the right of any qualified voter to demand the holding of the election at the time fixed by the statute, the district would have the right to postpone the election and that in such case the present directors under the Constitution of Texas and the decisions of the Supreme Court would lawfully continue to function as directors of the district. The basis for this opinion was that the Constitution of Texas in substance provides: That all public officers within the State are required to serve until their successors may have been duly elected and qualified.

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It was explained to the Directors that the same question had been presented by a prior board of directors of this district to Mr. Samuels and that he on the 27th day of December, 1926, rendered an opinion sustaining the foregoing oral opinion. Reference is here made to said original opinion as the same appears of record in the Minutes of this District as pages 19 to 24, both inclusive, Minute Book No. 5, attached to Minutes of the Board of Directors held on December 28, 1926. Mr. Samuels and Mr. Hampton orally affirmed their present belief in the correctness of said opinion.

6.

There was brought to the attention of the Directors the firm bid for two bonds of the District of "Series "D" maturing in the year 1960, at 90¢ on the dollar of the par of the bonds (\$1,800.00), plus interest to accrue to the date of the delivery of the bonds. This bid was placed by Mr. Dinsmore W. Hume. The bid was conditioned on the forwarding of the two bonds by the District through its bank to a correspondent bank in Overton, Texas, with draft attached. All expenses of transmission of the bonds to be at the cost of the purchaser. It was explained that these two bonds would come out of the allotment being held to satisfy the contractors, and that both Mr. D. K. Woodward and Mr. W. P. Bentley, represented that the contractors had recommended that the sale be consummated. Upon consideration of this matter it was the sense of the directors that said proposal should be consummated in accordance with the foregoing conditions and that director Bewley be authorized to do any and all things required to consummate the sale. Further, that upon receipt of the proceeds of said bonds the sum \$1800.00 do be placed to the credit of the District's Construction Fund and that the sum received as accrued interest do be placed to the credit of the District's interest and sinking fund. It was so ordered.

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7.

REPORT OF LAND COMMITTEE

Thereupon Director Hickman in his capacity as Chairman of the Land Committee, did present two proposals for the lease of lands for the year 1933, from the District, as follows:

PROPOSAL OF	FOR LEASE OF LAND PURCHAS ED FROM	TRACT NO.	APPROX. ACRES	TOTAL CON- SIDERATION	ACCOMPANYING PROPOSAL		BALANCE DUE
					CASH	CHECK	
J.E.Williams	L. H. Hill	311	75.00	\$ 75.00	\$20.00	-	\$ 55.00
Mrs.I.W.Cole	I. W. Cole	321	52.00	150.00	-	\$ 150.00	-
	I. W. Cole	326	105.33				

He did make recommendation for the approval of said proposal and did move that the same do be approved, subject only to these conditions: (1) That check for \$150.00 signed by Mrs. I. W. Cole be actually paid; (2) that balance due as lease money do be paid on or before December 15, 1932; (3) that the proposed lessees do actually enter into formal written lease to be conditioned as required by the District. This motion was seconded by Director Hogsett. Upon a vote being taken the motion was carried and it was so ordered.

8.

No further business was presented and the meeting was adjourned.

APPROVED

W. H. Bennett
As President

C. H. Linn
As Acting Secretary

EXHIBIT A - 12/17/32 - Folio -
TARRANT COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT No. 1
EAGLE MOUNTAIN DAM—GENERAL CONTRACTOR'S ESTIMATE No. 30.....

DATE Aug. 8 1932 PERIOD 7-1-32 TO 8-1-32

ITEMS	This Month	Previous	Total to Date	Price	AMOUNT
1. Wetted and rolled emb., cu. yds. (Main Dam)	85,564	838,536	924,100	\$ 0.361	333 600 10
2. Core trench excavation, cu. yds.	None	140,538	140,538	0.20	28 107 60
3. Hydraulic fill embankment, cu. yds.	None	1,469,818	1,469,818	.361	530 604 30
4a Puddled core wetted & rolled emb. levee, cu. yds.				.322	
5. Dragline (or team) embankment, cu. yds.				.20	
8. Bermuda Grass sodding, acres	2	17	19	250.00	4 750 00
11. Earth spoil bank, cu. yds.	None	38,343	38,343	.30	11 502 90
12. Loose rock excavation, cu. yds.	None	204,270	204,270	.70	142 989 00
13. Solid rock excavation, cu. yds.	None	40,427	40,427	1.00	40 427 00
27. Clearing, acres	None	5,370	5,370	30.00	161 100 00
28. Light clearing, acres	None	338.6	338.6	23.00	7 787 80
29. Dewatering river channel (complete)	None	Complete	Complete	1,500.00	1 500 00
30. Materials as per attached statement "A"					
32. Extra work as per attached statement "B"					5 232 99
34. Wetted and rolled emb. (Levee) cu. yds.	None	523,335	523,335	.322	168 513 87
35. Overhaul (Sta. Yds.)	None	920,393	920,393	.03	27 611 79
36. Clay Ball Exc. (Cu. Yds.)	None	12,940	12,940	.14	1 811 60
37. Berms (Cu. Yds.)	None	126,329	126,329	.24	30 318 96
6. Rip rap paving, cu. yds.	3,308	37,098	40,406	4.30	173 745 80
7a. Crushed stone blanket, cu. yds.	1,737	14,473	16,210	2.70	43 767 00
9. Gravel roadway, cu. yds.	629	2,319	2,948	2.85	8 401 80
10. Sheet steel piling, sq. ft.	None	5,588.23	5,588.23	1.10	6 147 05
a. To 40' length	None	93,713	93,713	1.40	131 198 20
b. 40' to 60' length	None	15,666.06	15,666.06	1.50	23 499 09
c. 60' to 100' length	None	13,808.77	13,808.77	2.11200	29 136 50
14. Gate house and valves (complete)	70% Comp	None	70% Comp	41,000.00	28 700 00
15. 2500-lb concrete, cu. yds.	None	11,658	11,658	14.50	169 041 00
16. 1500-lb. concrete, cu. yds.	None	13,481	13,481	10.00	134 810 00
17. 1-14 concrete, cu. yds.				9.00	
18. Wooden guard fence, lin. ft.				.80	
19. Pipe hand rail and link fabric, lin. ft.	None	933	933	1.70	1 586 10
20. Eight-inch Vit. pipe slope drains, lin. ft.	None	1,427	1,427	.55	784 85
21. Grouted paving inlets for slope drains, cu. yds.	None	23	23	8.00	184 00
22. Six-inch tile drains under structure, lin. ft.	None	5,007	5,007	.80	4 005 60
23. Wooden foundation piling, lin. ft.				.95	
24a. Three "Caterpillar" gates (complete)	None	Complete	Complete	53,500.00	53 500 00
25. Portland cement, bbls.	16	31,998	32,014	2.55	81 635 70
26. Reinforcing steel, lbs.	None	1,516,959	1,516,959	.0425	64 470 76
31. Materials as per attached statement "C"					1 367 28
33. Extra work as per attached statement "D"					29 731 69
38. 10d 40' Lengths M-108- $\frac{1}{2}$ " Web	None	1,008	1,008	1.51	1 522 08
39. 10e 40' to 60' Lengths M-108- $\frac{1}{2}$ " Web	None	51,611.66	51,611.66	1.61	83 094 77
41. <i>M. C. Nichols</i>					

M. C. Nichols
HAWLEY, FREESE and NICHOLS, Consulting Engineers

Total work to date.....\$	2 566 187 18	✓
Less 15% retained.....	384 928 08	✓
	2 181 259 10	✓
Less previous payments.....	2 132 698 95	✓
Balance due General Contractor this estimate.....\$	48 560 15	✓

By *H. W. Freese*

July 31, 1932.

Eagle Mountain Dam - Estimate Number 30

Statement "C" - Materials on Hand

1,200 Cu. Yds. Crushed Stone in Stock Pile @	\$ 1.00	\$ 1,200.00
5,576 Pounds Reinforcing Steel for Plugs @	0.03	167.28
		<hr/>
		\$ 1,367.28

McKenzie Construction Company,
& Uvalde Construction Company,

By J. R. Gibson
J. R. Gibson

*at
Marvin C. Hibbs*

Subscribed and Sworn to Before me this 6th day of August, 1932.

Don M. Vestal
Notary Public in and for Barrant County, Texas.

July 31, 1932.

Eagle Mountain Dam - Estimate Number 30

Statement "D" - Extra Work

To Previous Estimates	\$ 29,723.40
Extra Order Herewith	<u>8.29</u>
	\$ 29,731.69

McKenzie Construction Company,
& Uvalde Construction Company,

By J. R. Gibson
J. R. Gibson

*OK
Marvin C. Nichols*

Subscribed and sworn to before me this 6th day of August, 1932.

Don Westal
Notary Public in and for Tarrant County, Texas.

July 31, 1932.

To Extra Work Order Authorized by Mr. Woolverton;

~~XXXX~~ Drill holes in concrete two to each well and insert anchor bolts and grout in same, span grates over spillway wells with $\frac{1}{2}$ x 2" flat iron and provide locks for locking same, all to be actual cost plus 15%.

1/6 Doz # 400 Padlocks Keyed alike @ \$ 6.00	\$ 1.00
18 Lbs. $\frac{1}{2}$ x 2 Flat iron @ \$ 0.04	.72
1 - Blacksmith 5 Hours @ \$ 0.65	\$ 3.25
1 - Blacksmith H lper @ 0.35	<u>1.75</u>
	5.00
Plus Insurance @ \$ 8.50 per 100	<u>.42</u>
	<u>5.42</u>
	\$ 7.14
Plus 15%	<u>1.07</u>
	\$ 8.21
Plus 1% Bond	<u>.08</u>
	\$ 8.29

OK
Morris C. Nichols

TARRANT COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT No. 1

EAGLE MOUNTAIN DAM—GENERAL CONTRACTOR'S ESTIMATE No. 31

DATE Sept. 12 1932 PERIOD Aug. 1 TO Sept. 1

ITEMS	This Month	Previous	Total to Date	Price	AMOUNT
1. Wetted and rolled emb., cu. yds. (Main Dam)	10,208	924,100	934,308	\$ 0.361	337 285 19
2. Core trench excavation, cu. yds.	None	140,538	140,538	0.20	28 107 60
3. Hydraulic fill embankment, cu. yds.	None	1,469,818	1,469,818	.361	530 604 30
4a Puddled core wetted & rolled emb. levee, cu. yds.				.322	
5. Dragline (or team) embankment, cu. yds.				.20	
8. Bermuda Grass sodding, acres	8	19	27	250.00	6 750 00
11. Earth spoil bank, cu. yds.	None	38,343	38,343	.30	11 502 90
12. Loose rock excavation, cu. yds.	None	204,270	204,270	.70	142 989 00
13. Solid rock excavation, cu. yds.	None	40,427	40,427	1.00	40 427 00
27. Clearing, acres	None	5,370	5,370	30.00	161 100 00
28. Light clearing, acres	None	338.6	338.6	23.00	7 787 80
29. Dewatering river channel (complete)	None	Complete	Complete	1,500.00	1 500 00
30. Materials as per attached statement "A"					
32. Extra work as per attached statement "B"					5 232 99
34. Wetted and rolled emb. (Levee) cu. yds.	None	523,335	523,335	.322	168 513 87
35. Overhaul (Sta. Yds.)	None	920,393	920,393	.03	27 611 79
36. Clayball Exc. (Cu. Yds.)	None	12,940	12,940	.14	1 811 60
37. Berms (Cu. Yds.)	None	126,329	126,329	.24	30 318 96
6. Rip rap paving, cu. yds.	4,182	40 406	44,588	4.30	191 728 40
7a. Crushed stone blanket, cu. yds.	1,737	16,210	17,947	2.70	48 456 90
9. Gravel roadway, cu. yds.	None	2,948	2,948	2.85	8 401 80
10. Sheet steel piling, sq. ft.	None	5,588.23	5,588.23	1.10	6 147 05
a. To 40' length	None	93,713	93,713	1.40	131 198 20
b. 40' to 60' length	None	15,666.06	15,666.06	1.50	23 499 09
c. 60' to 100' length	None	13,808.77	13,808.77	2.11	29 136 50
14. Gate house and valves (complete)	10%	70% Comp.	80% Comp.	41,000.00	32 800 00
15. 2500-lb concrete, cu. yds.	102	11,658	11,760	14.50	170 520 00
16. 1500-lb. concrete, cu. yds.	None	13,481	13,481	10.00	134 810 00
17. 1-14 concrete, cu. yds.				9.00	
18. Wooden guard fence, lin. ft.				.80	
19. Pipe hand rail and link fabric, lin. ft.	None	933	933	1.70	1 586 10
20. Eight-inch Vit. pipe slope drains, lin. ft.	None	1,427	1,427	.55	784 85
21. Grouted paving inlets for slope drains, cu. yds.	None	23	23	8.00	184 00
22. Six-inch tile drains under structure, lin. ft.	None	5,007	5,007	.80	4 005 60
23. Wooden foundation piling, lin. ft.				.95	
24a. Three "Caterpillar" gates (complete)	None	Complete	Complete	53,500.00	53 500 00
25. Portland cement, bbls.	143	32,014	32,157	2.55	82 000 35
26. Reinforcing steel, lbs.	5,241	1,516,959	1,522,200	.0425	61 693 50
31. Materials as per attached statement "C"					
33. Extra work as per attached statement "D"	153.74	29,731.69	29,885.43		29 885 43
38. 10d 40' Lengths M108- $\frac{1}{2}$ " Web	None	1,008	1,008	1.51	1 522 08
39. 10e 40' to 60' Lengths M108- $\frac{1}{2}$ " Web	None	51,611.66	51,611.66	1.61	83 094 77
40.					
41.					

Total work to date.....\$ 2 599 497 62 ✓
 Less 15% retained..... 389 924 64 ✓
 2 209 572 98 ✓
 Less previous payments..... 2 132 698 95 ✓
 Balance due General Contractor this estimate.....\$ 76 874 03 ✓

HAWLEY, FREESE and NICHOLS, Consulting Engineers

By J. W. Freese

August 31, 1932

EAGLE MOUNTAIN DAM • ESTIMATE NUMBER #1

STATEMENT "D" - EXTRA WORK

To Previous Estimates	\$ 29,731.69 ✓
Extra Order Herewith	<u>153.74 ✓</u>
	\$ 29,885.43 ✓

McKenzie Construction Company,
& Uvalde Construction Company,

By J. R. Gibson
J. R. Gibson

Subscribed and sworn to before me this 7th day of September, 1932.

C. W. Watkins
Notary Public in and for Tarrant County, Texas.

August 31, 1932.

To Extra Work Order per Authority of Mr. Woolverton;
Install 8" Pipe and Valve in upstream and downstream
plugs of the West Conduit - Eagle Mountain Dam; actual
cost plus 15%.

1 - Grille 2' - 5" square made of $\frac{1}{2}$ " square
plain bars crisscrossed and spot welded
and galvanized \$ 22.00

1 - 8" # 461 Flg. Gate Valve F & D)
1 - 8" Std. Bld. Flng.)
8 - $\frac{3}{4}$ x 3 $\frac{1}{2}$ Bolts with Hex. Nuts.) 38.97
8 - $\frac{3}{4}$ x 4 $\frac{1}{2}$ Stud Bolts with 2 Hex. Nuts for ea.)
2 - $2\frac{1}{2}$ " # Lead Flange cut circular $13\frac{1}{2}$ " Dia.)

1 - 8" Flange & Plain end nipple 5'-1" long)
1 - 6" Bell & Flange nipple 6' - Long) 47.96

Labor:- Invoice from Triplett & Payne
Sub-Contractors on Plugs

12 - Laborers $1\frac{1}{2}$ Hr. ea. @ 0.25	4.50	
1 - Laborer $1\frac{1}{2}$ Hr. ea. @ 0.30	.45	
1 - Laborer $2\frac{1}{2}$ Hr. ea. @ 0.30	.75	
1 - Carpenter 11 Hr. @ 0.60	6.60	
1 - " Help 11 Hr. @ 0.30	3.30	
2 - " " $2\frac{1}{2}$ Hr. @ 0.60	3.00	
	<u>18.60</u>	
Plus Insurance @ 6.69	1.24	19.84

Truck time hauling flanges from Trinity Valley Iron Works 3 Hours @ 0.85	2.55	
Driver @ 0.35	1.05	3.60
		<u>132.37</u>
Plus 15%		19.85
		<u>152.22</u>
Plus 1% Bond		1.52
		<u>153.74</u>

TARRANT COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT No. 1
 EAGLE MOUNTAIN DAM—GENERAL CONTRACTOR'S ESTIMATE No. 32 FILE

DATE Nov. 2, 1932 PERIOD Feb. 4, 1930 TO Oct. 1, 1932

ITEMS	This Month	Previous	Total to Date	Price	AMOUNT
1. Wetted and rolled emb., cu. yds. (Main Dam)	7,308	934,308	941,616	\$ 0.361	339 923 38
2. Core trench excavation, cu. yds.	15,251	140,538	155,789	0.20	31 157 80
3. Hydraulic fill embankment, cu. yds.	None	1,469,818	1,469,818	.361	530 604 30
4a Puddled core wetted & rolled emb. levee, cu. yds.				.322	
5. Dragline (or team) embankment, cu. yds.				.20	
8. Bermuda Grass sodding, acres	5.48	27	32.48	250.00	8 120 00
11. Earth spoil bank, cu. yds.	7,063	38,343	45,406	.30	13 621 80
12. Loose rock excavation, cu. yds.	4,546	204,270	208,816	.70	146 171 20
13. Solid rock excavation, cu. yds.	341	40,427	40,768	1.00	40 768 00
27. Clearing, acres	None	5,370	5,370	30.00	161 100 00
28. Light clearing, acres	None	338.6	338.6	23.00	7 787 80
29. Dewatering river channel (complete)	None	Complete	Complete	1,500.00	1 500 00
30. Materials as per attached statement "A"					
32. Extra work as per attached statement "B"					7 439 99
34. Wetted and rolled emb. (Levee) cu. yds.	3011	523,335	520,324	.322	167 544 33
35. Overhaul (Sta. Yds.)	17,104	920,393	937,497	.03	28 124 91
36. Clayball Exc. (Cu. Yds.)	108	12,940	12,832	.14	1 796 48
37. Berms (Cu. Yds.)	6,713	126,329	133,042	.24	31 930 08
6. Rip rap paving, cu. yds.	4,134.10	44,588	48,722.10	4.30	209 505 03
7a. Crushed stone blanket, cu. yds.	891.70	17,947	18,838.70	2.70	50 864 49
9. Gravel roadway, cu. yds.	2,409	2,948	5,357	2.85	15 267 45
10. Sheet steel piling, sq. ft.	0.05	5,588.23	5,588.28	1.10	6 147 11
a. To 40' length	0.38	93,713.00	93,713.38	1.40	131 198 73
b. 40' to 60' length	None	15,666.06	15,666.06	1.50	23 499 09
c. 60' to 100' length	2.99	13,808.77	13,805.78	2.12	29 130 20
14. Gate house and valves (complete)				41,000.00	40 650 16
15. 2500-lb concrete, cu. yds.	274.66	11,760	11,485.34	14.50	166 537 43
16. 1500-lb. concrete, cu. yds.	56.66	13,481	13,424.34	10.00	134 243 40
17. 1-14 concrete, cu. yds.	71.73	None	71.73	9.00	645 57
18. Wooden guard fence, lin. ft.	7,657	None	7,657	.80	6 125.60
19. Pipe hand rail and link fabric, lin. ft.	255	933	1,188	1.70	2 019 60
20. Eight-inch Vit. pipe slope drains, lin. ft.	1,516	1,427	2,943	.55	1 618 65
21. Grouted paving inlets for slope drains, cu. yds.	82.33	23	105.33	8.00	842 64
22. Six-inch tile drains under structure, lin. ft.	None	5,007	5,007	.80	4 005 60
23. Wooden foundation piling, lin. ft.				.95	
24a. Three "Caterpillar" gates (complete)	None	Complete	Complete	53,500.00	53 500 00
25. Portland cement, bbls.	66	32,157	32,223	2.55	82 168 65
26. Reinforcing steel, lbs.	18039	1,522,200	1,504,161	.0425	63 926 84
31. Materials as per attached statement "C"					
33. Extra work as per attached statement "D"					30 189 74
38. 10d 40' Lengths M108- $\frac{1}{2}$ " Web	None	1,008	1,008	1.51	1 522 08
39. 10e 40' to 60' Lengths M108- $\frac{1}{2}$ " Web	9.97	51,611.66	51,601.69	1.61	83 078 72
40.					
41.					

Total work to date.....\$ 2 654 276 85

Less 15% retained.....

Less previous payments..... 2 132 698 95

Balance due General Contractor this estimate.....\$ 521 577 90

HAWLEY, FREESE and NICHOLS, Consulting Engineers

By M. W. Freese

RECAPITULATION OF STATEMENT "B"
EXTRA WORK
EAGLE MOUNTAIN DAM

Estimate No. 4:	Backfilling test holes on and adjacent to dam site	\$ 15.00
Estimate No. 6:	Digging and drilling test holes in bottom of core trench at levee	354.10
Estimate No. 7:	Digging test holes at levee Constructing Azle Road Detour	44.42 195.50
Estimate No. 8:	Clearing and grubbing additional area in front of spillway	1,237.39
Estimate No. 9:	Grading Azle Road Detour	107.52
Estimate No. 12:	Removing sand from base of levee section, which had been spread on downstream side, and blading Azle Road Detour	510.71
Estimate No. 13:	Shifting material on base of dam at east end (river section)	1,900.25
Estimate No. 14:	Removing sand from base of levee section Placing rock at conduit outlet	51.06 207.92
Estimate No. 15:	Moving material already excavated at west end of dam so machine could move in to deeper core trench	370.01
Estimate No. 22:	Testing river section foundation	239.11
Estimate No. 32: (Final)	Work performed by machine No. 13 stirring and mixing material deposited in river section	1,097.10
	Digging open test pit with Barker Bros. 1 1/4 drag line in conduit excavation to determine limits of rock	84.52

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RECAPITULATION OF STATEMENT "B"
 EXTRA WORK
 EAGLE MOUNTAIN DAM
 (Continued)

Estimate No. 32 (continued:

Digging test holes in river section for information to furnish Texas Board of Water Engineers and Mr. Mead with data as to extent of silt in foundation	220.15
Removing slides in keyways on east hill	199.48
Works performed by machine No. 13 stirring and mixing with dragline bucket material deposited in core trench at levee	445.05
Grading Azle road detour by Barker Bros.	56.35
Team work performed in extending berm at conduits and plating upstream berm to receive sod	<u>324.50</u>
TOTAL	\$ 7,660.14

TRINITYFARM CONSTRUCTION COMPANY

BY Martin A. Rose
 Martin A. Rose

Subscribed and sworn before me this the 3rd day of November, A.D. 1932

Geo. H. Rice
 Notary Public in and for Tarrant County, Texas

ENGINEER'S CORRECTION:

Total Extra Work shown above	\$7,660.14
Less item for digging test holes included twice	<u>220.15</u>
	\$7,439.99

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HAWLEY and FREESE

BY Martin C. Nichols

EXTRA WORK
ITEM #32 - STATEMENT "B"

PREVIOUS ESTIMATES:-

MAY 1930	- Estimate No. 4		\$ 15.00
JULY	" "	No. 6	354.10
AUG.	" "	No. 7	239.92
SEPT.	" "	No. 8	1,237.39
OCT.	" "	No. 9	107.52
JAN. 1931	" "	No. 12	510.71
FEB.	" "	No. 13	1,900.25
MAR.	" "	No. 14	258.98
APR.	" "	No. 15	370.01
NOV.	" "	No. 22	<u>239.11</u>

TOTAL PREVIOUS ESTIMATES: \$5,232.99

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TARRANT COUNTY WATER CONTROL & IMPROVEMENT

DISTRICT #1

ITEM #32 - EXTRA WORK STATEMENT "B"

FINAL ESTIMATE

PREVIOUS ESTIMATES - - - - - \$5,232.99

THIS ESTIMATE:-

Detailed Statement attached - -	\$1,097.10	
" " "	84.52	
" " "	220.15	
" " "	199.48	
" " "	445.05	
" " "	56.35	
" " "	324.50	2,427.15
<hr/>		<hr/>
TOTAL ITEM #32 - Statement "B"		\$7,660.14

TRINITYFARM CONSTRUCTION COMPANY

BY Martin A. Rose

Martin A. Rose

Subscribed and sworn to before me this the 29th
day of October, 1932 A. D.

May L. Edwards
Notary Public in and for Tarrant County,
Texas.

ENGINEER'S CORRECTION:

Total Extra Work shown above	\$7,660.14
Less item for digging test holes included twice	220.15
Correct Total	<u>\$7,439.99</u>

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C.H.W.

HAWLEY and FREESE

BY

EAGLE MOUNTAIN DAM
EXTRA WORK ON FINAL ESTIMATE

FOR:

Work performed by Machine #13 - 2½ yard dragline
stirring and mixing with dragline bucket material
deposited in River channel back fill at main dam
Eagle Mountain, May, 1930.

May, 1930 - Dragline - 106 Hrs. @ \$9.00	-	\$954.00
PLUS 15%		<u>143.10</u>
		\$1,097.10

RESPECTFULLY SUBMITTED,

TRINITYFARM CONSTRUCTION COMPANY

BY

Martin A. Rose

Martin A. Rose

Subscribed and sworn to before me this 29th day
of October, 1932 A. D.

Mary L. Edwards
Notary Public in and for Tarrant County,
Texas.

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EAGLE MOUNTAIN DAM
EXTRA WORK ON FINAL ESTIMATE

FOR:-

Digging open test pit with Barker Bros. 1 1/4 yd. drag line at conduit site for inspection by engineers to determine extent of rock foundation work ordered by Major Hawley.

May 1, 1930 - 1 Powder man	-	10 Hrs @ .50	\$5.00
May 1, 1930 - 4 drillers	-	40 Hrs @ .35	14.00
May 2, 1930 - 1 Powder man	-	10 Hrs @ .50	5.00
May 2, 1930 - 4 drillers	-	40 Hrs @ .35	14.00
May 2, 1930 - 1 dragline	-	5 Hrs @ 9.00	45.00
May 3, 1930 - 1 Powder man	-	10 Hrs @ .50	5.00
May 3, 1930 - 4 drillers	-	40 Hrs @ .35	14.00
May 3, 1930 - 1 drag line	-	5 Hrs @ 9.00	45.00
			\$147.00
		PLUS 15%	22.05
		T O T A L - - -	\$169.05 ✓

AMOUNT DUE $\frac{1}{2}$ of \$ 169.05 ----- \$ 84.52

RESPECTFULLY SUBMITTED,

TRINITYFARM CONSTRUCTION COMPANY

BY

Martin A. Rose
Martin A. Rose

Subscribed and sworn to before me this the 29th
day of October, A. D., 1932.

Mary L. Edwards
Notary Public in and for Tarrant
County, Texas.

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EAGLE MOUNTAIN DAM
EXTRA WORK ON FINAL ESTIMATE

FOR:-

WORK ON KEYWAY SLIDES EAGLE MOUNTAIN DAM

Jan. 9, 1932	- Mch #13 - 2½ yd drag line - 2 Hrs @ \$9.00	\$18.00
Jan. 23, 1932	" " 7 Hrs @ \$9.00	\$63.00
Jan 26, 1932	" " 4 " @ \$9.00	\$36.00
Jan 14, 1932	Labor 3 " @ .40	1.20
Jan " "	" 26 " @ .20	5.20
Jan 15, 1932	" 10 " @ .40	4.00
Jan 15, 1932	" 50 " @ .20	10.00
Jan 17, 1932	" 10 " @ .40	4.00
Jan " "	" 58 " @ .20	11.60
Jan 18, "	" 7 " @ .40	2.80
Jan " "	" 36 " @ .20	7.20
March 31, "	" 31½ " @ .20	6.30

	\$169.30
PLUS 15%	25.40
Insurance \$5.91 on \$52.30	3.09
Bond 1% on \$169.30	1.69

T O T A L

\$199.48 ✓

Respectfully submitted.

TRINITY FARM CONSTRUCTION COMPANY

BY

Martin A. Rose

Martin A. Rose

Subscribed and sworn to before me this the 29th day of
October, 1932 A. D.

Mary L. Edwards
Notary Public in and for Tarrant Co.
Texas.

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EAGLE MOUNTAIN DAM
EXTRA WORK ON FINAL ESTIMATE

FOR:-

Work performed by Mch. #13 - 2½ yd dragline
stirring and mixing with dragline bucket
material deposited in water in core trench
on Levee section Eagle Mountain Dam:

June 5 to 13, 1930 - Dragline 43 Hrs @ \$9.00 - \$387.00

PLUS 15% 58.05

T O T A L \$445.05 ✓

RESPECTFULLY SUBMITTED,

TRINITY FARM CONSTRUCTION COMPANY

BY Martin A. Rose

Martin A. Rose

Subscribed and sworn to before me this 29th
day of October, A. D., 1932.

Mary S. Edwards
Notary Public in and for Tarrant County
Texas.

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EAGLE MOUNTAIN DAM
EXTRA WORK ON FINAL ESTIMATE

FOR:-

Grading Azle Road detour around
end of spillway levee, work per-
formed by Barker Bros., sub-con-
tractor of Trinityfarm Const.Co.

Oct. 1930 - Use of 1-60 H.P. Cater-
pillar tractor - 49 Hrs. @ 1.00-\$49.00

Plus 15%	<u>7.35</u>
TOTAL	\$56.35 ✓

RESPECTFULLY SUBMITTED,

TRINITYFARM CONSTRUCTION COMPANY

BY Martin A. Rose

Martin A. Rose

Subscribed and sworn to before me this 29th day
of October, A. D., 1932.

Mary L. Edwards
Notary Public in and for Tarrant County
Texas.

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EAGLE MOUNTAIN DAM
EXTRA WORK ON FINAL ESTIMATE

FOR:-

Team work at east end of dam-
additional to original section
of dam - - - - - 387½ Hrs.- 3 up team @ .45 - \$174.25

Team work on upstream berm
plating sandy portion near
conduit with clay ball ma-
terial and planting willows:

239.8 Hrs. 3 up team @ .45 -	107.91
	<u>\$282.17</u>
PLUS 15%	<u>42.33</u>
T O T A L - - -	\$324.50

RESPECTFULLY SUBMITTED,

TRINITYFARM CONSTRUCTION COMPANY

BY Martin A. Rose

Martin A. Rose

Subscribed and sworn to before me this 29th day of
October, 1932 A. D.

Mary L Edwards
Notary Public in and for Tarrant County,
Texas.

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September 30, 1932.

Recapitulation to Statement "D":

Extra Work

Eagle Mountain Dam

Extra Order No. 2 EM : Excavate Cut Off wall in conduit section an additional 8 ft. depth in order to take care of cut off wall extension in concrete	\$ 787.98
Extra Order No. 3 EM: Excavate for steel piling core trench levee section	1,148.76
Extra Order No. 4 EM: Place stripping from Gravel Pit, City Property, on detour road, levee section	777.40
Extra Order No. 5 EM: Special Jet Tests	961.07
Extra Order No. 6 EM: Excavate vore trench backfill around steel sheet piling	477.82
Extra Order No. 7 EM: 48 anchor bolts 2" x 24" with plates and bolts	254.65
Extra Order No. 8 EM: Move Bulkhead for construction joint between east head wall and east inlet wall footing	16.27
Extra Order No. 9 EM: Remove concrete in footing east head wall around counterfort steel	33.14
Extra Order No 10 EM Bend steel for extra stirrups, place in head wall footings	9.38
Extra Order No. 11 EM Furnish and install 6" wrought iron pipe and 6" valve in east end of spillway	100.08
Extra Order No. 12 EM Furnish sheet piling and welding material and furnish labor to cut off piling, set piling and weld piling to tops of piling now driven in core trench about station 25 plus 50	13,102.69
Extra Order No. 14 EM Construct two reinforced cut off walls behind head walls of spillway	492.24
Extra Order No 13 EM Make test holes in river section	877.67

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Recapitulation to Statement "D"

Continued

Extra Order No. 15 EM Blade and gravel surface about 200' of detour road around levee section	\$ 46.97
Extra Order No. 16 EM Furnish necessary labor, supplies and equipment to make jet tests along core trench at points indicated by engineers between station 3 and station 13	882.01
Extra Order No. 17 EM Redrive 25' piling to depths determined by jet tests from station 11 plus 70 west in core trench	3,669.77
Extra Order No. 18 EM Furnish $\frac{1}{2}$ " thick splice plates to conform with thickness of web of 60 ft. piling Section M-108	202.32
Extra Order No. 19 and Order for Alteration No. 20 govern gate house lump sum contract (Adjusted in Lump Sum Price)	
Extra Order No. 21 EM Furnish and install 2 iron gratings for spillway wells	67.37
Extra Order No. 22 EM Furnish and install additional 3" bleeder pipe in spillway slopes	45.47
Extra Order No. 23 EM Furnish and install 1- $\frac{1}{2}$ " conduits and 3 outlets in hoist house brudge for electric hoists	36.14
Extra Order No. 24 EM Place 20 Lb. Building paper over 6" foundation drains in stilling pool	36.91
Extra Order No. 25 EM To excess freight charges on shipments of steel sheet piling by all rail route instead of water and rail route due to stratigraphical changes requiring more piling than contemplated	152.06
Extra Order No. 26 EM Furnish labor and material to splice piles in place in core trench	300.14
Extra Order No. 27 EM Furnish all labor and material to construct concrete wall, as ordered to tie sheet pile core wall to conduits	276.12
Extra Order No. 28 EM Furnish all labor and material to drive steel sheet piling from conduit to East Hill	4,824.40
Place Drains in Conduit Outlet	44.31

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RECAPITULATION TO STATEMENT "D"

EXTRA WORK

Concrete Plugs for pull holes in steel sheet piling	\$ 73.95
Dig Test Holes at Spillway	25.81
Guard for Grated at Spillway Wells	8.29
Pipe and valves for conduit water turbine	153.74
Omitting concrete plugs and guard beams in one conduit	304.31
<hr/>	
Total.....	\$ 30,189.74

McKenzie Construction Company,
& Uvalde Construction Company,

By J. R. Gibson
J. R. Gibson

Subscribed and sworn to before me this 28 day of October, 1932.

Eulak Watkins
Notary Public in and for Tarrant County, Texas.

OK
atw

October 3, 1932.

EXTRA WORK ON ITEM NO. 15 (CONCRETE) AND ITEM NO. 26 (STEEL) FOR OMITTING
CONCRETE PLUGS AND GUARD BEAMS IN ONE CONDUIT * EAGLE MOUNTAIN DAM

Cost of building forms (Material and Labor) for
Guard Beams

Week Ending July 6, 1932

Carpenetrs	9 hrs. @ \$0.60	\$ 5.40	
Laborers	3 hrs. @ .30	<u>.90</u>	\$ 6.30

Week Ending July 13, 1932.

Carpenters	25½ Hrs. .60	15.30	
Laborers	6½ Hrs. .30	<u>1.95</u>	17.25
Foreman	2 days @ \$ 7.00		<u>14.00</u>
			\$ 37.55

Plus Insurance @ 8.50 per 100

3.19
\$ 40.74

Materials:

250 Bd. Ft. 2 x 6	\$ 6.90	
555 Bd. Ft. 1 x 6	18.05	
200 Bd. Ft. 1 x 2	10.00	
65# Nails	3.25	
196 Bd. Ft. 1 x 6	4.90	
168 Bd. Ft. 4 x 4	6.30	
240 Bd. Ft. 2 x 12	10.20	
Milling	<u>3.00</u>	

62.80
\$ 103.34

Less ½ Cost

51.67
51.67

38 cu. yds. sand on hand @ 1.25

47.50

3,748 Pounds Reinforcing Steel @ 0.036

134.93

\$ 234.10

Materials for forms for concrete plugs

1,116 Sq. Ft. Forms @ \$ 0.05 \$ 55.80

Less ½ Cost 27.90

27.90

262.00

Plus 1% Bond

2.62

264.62

Plus 15%

39.69

\$ 304.31

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October 3, 1932.

ADJUSTMENT OF CONTRACT PRICE FOR OMITTING PIPE & VALVES IN ONE
CONDUIT AND ADJUSTMENT PER ORDER'S NO'S 19 AND 20 - EAGLE MOUNTAIN
DAM

ORIGINAL CONTRACT PRICE.....\$ 41,000.00

Credits:

Labor and Expense Installing
pipe and valves (Dabney Bros) \$ 195.00 -

300 Additional Burlap Bags
for Coffe Dam 12.00 -

Labor and Insurance on Coffe
Dam (Estimated) 42.70 -

Hardware Allowance \$ 50.00
As Selected 14.00 36.00 -

Face Brick Allowance
4M @ \$ 30.00 120.00
As Selected
4M @ \$ 23.00 92.00 28.00 -

Total Credits.....\$ 313.70

Charges:

Change from DSA glass to ribbed
wire glass in the sash 12.50
\$ 301.20 -

Plus 1% Bond 3.01 -

304.21

Plus 15% 45.63

Net Credit.....\$ 349.84 -

349.84 -

REVISED CONTRACT PRICE.....\$ 40,650.16 -

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B.S.

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Handwritten initials:
A.K.
A.H.W.

PITNER & ADAMS
ACCOUNTANTS AND AUDITORS

1201 FORT WORTH NAT'L BANK BLDG.

TELEPHONE 3-1814

R. M. PITNER
MEMBER NATIONAL ASS'N OF
PUBLIC ACCOUNTANTS

GEO. S. ADAMS
MEMBER NATIONAL ASS'N OF
COST ACCOUNTANTS

FORT WORTH, TEXAS

November 15, 1932.

To the Directors of
Tarrant County Water Control & Improvement District No 1
Fort Worth, Texas.

Gentlemen:

In compliance with your request we have checked over the final estimate on the Eagle Mountain Dam with the District Engineers and would call your attention to the following matters:

Item Number 1 includes \$4,800.00 for extra work done on account of excessive shrinkage or settling on the main dam in excess of the normal shrinkage of 2%. This item was settled by compromise with the contractors.

Items 36 and 37 although not included in the original contract were authorized by you as recorded in the minutes.

Additional price of 11 cents on heavier piling included in items 10c, 38 and 39, although not included in the original contract, was authorized by you as recorded in the minutes.

Item 14 is complete with the exception of the setting of four valves for which \$349.84 has been allowed by the contractors. It is estimated by the district engineers that it will cost the district between \$4,000.00 and \$5,000.00 to set these valves at a later date.

\$220.15 was deducted from item 32 to cover duplicate charge of that amount included in extra work.

The total excess cost over the original estimate was \$323,049.85 as shown by comparative statement included herewith. However \$28,124.91 of this amount is for overhaul on which no estimate of quantity was made in the original bid. A consolidated statement of the differences between the final estimate and original bid included herewith shows the excess to be made up of the following principle items:

NOV 16 1932

Items 12 & 13	Rock Excavation	\$ 168,439.20
Items 27 & 28	Clearing	36,387.80
Item 10	Sheet Steel Piling	43,275.93
Item 32	Extra Work	7,439.99
Item 33	Extra Work	<u>30,189.74</u>
	Total	<u>\$ 285,732.66</u>

All of the above items are clearly increased cost and are not affected by any credits on other items. All are due to excess quantities over the original estimate, and such quantities have to be measured as the work progresses and cannot now be checked or remeasured.

Mr. Nichols of Hawley & Freese is now getting the records together on the working days employed on the project to see if this is within the contract limit.

There appears to be a question whether or not some items included in extra work for test holes etc should be charged against the district engineers as coming under their contract. These items amount to \$1,640.63.

Yours respectfully,

PITNER AND ADAMS

By *RMPitner*

RMP:fs

EAGLE MOUNTAIN DAM

CONSOLIDATED DIFFERENCE BETWEEN
FINAL ESTIMATE AND ORIGINAL BID

		<u>INCREASE</u>	<u>DECREASE</u>
1 & 3	Wetted & Rolled Embankment & Hydraulic Fill	\$ 18,567.68	\$
2	Core Trench Excavation	1,157.80	
5	Dragline (or team) embankment	-	2,000.00
8	Grass Sodding	620.00	
11	Spoil Bank	7,621.80	
12 & 13	Rock Excavation	168,439.20	
27 & 28	Clearing	36,387.80	
32	Extra Work	7,439.99	
34	Wetted & Rolled Embankment & Levee	11,696.33	
35	Overhaul Station Yds.	28,124.91	
36	Clayball Excavation	1,796.48	
37	Berms	31,930.08	
6	Riprap Paving	-	32,154.97
7a	Crushed Stone Blanket	-	8,535.51
9	Gravel Roadway	447.45	
10	Sheet Steel Piling	43,275.93	
14	Gate House & Valves	-	349.84
15, 16 & 17	Concrete	-	15,023.60
18	Guard Fence	-	114.40
19 & 20	Pipe Slope Drains	-	180.75
21	Grouted Paving Inlets	522.64	
22	Tile Drains	-	794.40
23	Wooden Piling	-	10,925.00
25	Cement	58.65	
26	Reinforcing Steel	4,851.84	
33	Extra Work	30,189.74	
		<u>\$ 393,128.32</u>	<u>\$ 70,078.47</u>

S U M M A R Y

INCREASE	\$ 393,128.32
LESS DECREASE	70,078.47
INCREASE NET	\$ 323,049.85
LESS OVERHAUL	28,124.91
BALANCE INCREASE	\$ 294,924.94

November 14, 1932.

COMPARISON ESTIMATE #32 AND FINAL ON EAGLE MOUNTAIN DAM CONSTRUCTION, WITH THE BID

SUBMITTED BY: (TRINITYFARM CONSTRUCTION COMPANY, INC.,)
 (McKENZIE CONSTRUCTION COMPANY,) WHO WERE THE SUCCESSFUL BIDDERS
 (UVALDE CONSTRUCTION COMPANY.)

	B I D			ACTUAL WORK		INCREASE		DECREASE	
	QUANTITY	PRICE	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
1. Wetted & Rolled Emb. Cu. Yds. (Main Dam)		\$.361	\$	941,616.00	\$339,923.38	941,616.00	\$339,923.38		\$
3. Hydraulic Fill Emb. Cu. Yds.	2,360,000	.361	851,960.00	1,469,818.00	530,604.30			890,182.00	321,355.70
2. Core Trench Exc. Cu. Yds.	150,000	.20	30,000.00	155,789.00	31,157.80	5,789.00	1,157.80		
4a. Puddled Core Wet- ted & Rolled Emb. Levee, Cu. Yds.									
5. Dragline (or team) Emb. Cu. Yds.	10,000	.20	2,000.00					10,000.00	2,000.00
8. Bermuda Grass Sod- ding, acres	30	250.00	7,500.00	32.48	8,120.00	2.48	620.00		
11. Earth Spoil Bank, Cu. Yds.	20,000	.30	6,000.00	45,406.00	13,621.80	25,406.00	7,621.80		
12. Loose Rock Exc., Cu. Yds.	5,000	.70	3,500.00	208,816.00	146,171.20	203,816.00	142,671.20		
13. Solid Rock Exc., Cu. Yds.	15,000	1.00	15,000.00	40,768.00	40,768.00	25,768.00	25,768.00		
27. Clearing, acres	2,500	30.00	75,000.00	5,370.00	161,100.00	2,870.00	86,100.00		
28. Light Clearing, Acres	2,500	23.00	57,500.00	338.60	7,787.80			2,161.40	49,712.20

	<u>QUANTITY</u>	B	I	D	<u>ACTUAL WORK</u>		<u>INCREASE</u>		<u>DECREASE</u>	
		<u>PRICE</u>			<u>QUANTITY</u>	<u>AMOUNT</u>	<u>QUANTITY</u>	<u>AMOUNT</u>	<u>QUANTITY</u>	<u>AMOUNT</u>
29. Dewatering River Channel (complete) Lmp.sm		\$1,500.00		\$ 1,500.00	Complete	\$ 1,500.00				
32. Extra Work as per Attached stmt. "B"						7,439.99		\$ 7,439.99		
34. Wetted & Rolled Emb. (Levee) Cu. Yds.	484,000	.322		155,848.00	520,324.00	167,544.33	36,324.00	11,696.33		
35. Overhaul Station Yds.		.03			937,497.00	28,124.91	937,497.00	28,124.91		
36. Clay Ball Exc., Cu. Yds.		.14			12,832.00	1,796.48	12,832.00	1,796.48		
37. Berms Cu. Yds.		.24			133,042.00	31,930.08	133,042.00	31,930.08		
6. Rip rap Paving, Cu. Yds.	56,200	4.30		241,660.00	48,722.10	209,505.03			7,477.90	\$ 32,154.97
7a. Crushed Stone Blanket, Cu. Yds.	22,000	2.70		59,400.00	18,838.70	50,864.49			3,161.30	8,535.51
9. Gravel Roadway, Cu. Yds.	5,200	2.85		14,820.00	5,357.00	15,267.45	157.00	447.45		
10. Sheet Steel Piling, Sq. Ft.		1.10			5,588.28	6,147.11	5,588.28	6,147.11		
a. To 40' Length	72,000	1.40		100,800.00	93,713.38	131,198.73	21,713.38	30,398.73		
b. 40' to 60' Length	83,000	1.50		124,500.00	15,666.06	23,499.09		67,333.94	67,333.94	101,000.91
c. 60' to 100' Length	3,000	2.00		6,000.00					3,000.00	6,000.00
d. 40' Lengths M108- $\frac{1}{2}$ " Web		1.51			1,008.00	1,522.08	1,008.00	1,522.08		

	B I D			ACTUAL WORK		INCREASE		DECREASE	
	QUANTITY	PRICE	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
e. 40' to 60' Length M108- $\frac{1}{2}$ "Web		\$ 1.61		51,601.69	\$ 83,078.72	51,601.69	\$ 83,078.72		
f. 60' to 100' Length		2.11		13,805.78	29,130.20	13,805.78	29,130.20		
14. Gate House & Valves (Complete) Imp.sm	41,000.00	\$	\$ 41,000.00		40,650.16				\$ 349.84
15. 2500-lb. Concrete, Cu. Yds.	12,100	14.50	175,450.00	11,485.34	166,537.43			614.66	8,912.57
16. 1500-lb. Concrete, Cu. Yds.	13,650	10.00	136,500.00	13,424.34	134,243.40			225.66	2,256.60
17. 1-14 Concrete, Cu. Yds.	500	9.00	4,500.00	71.73	645.57			428.27	3,854.43
18. Wooden Guard Fence, Lin. Ft.	7,800	.80	6,240.00	7,657.00	6,125.60			143.00	114.40
19. Pipe Hand Rail & Link Fabric, Lin. Ft.	920	1.70	1,564.00	1,188.00	2,019.60	268.00	455.60		
20. Eight-inch Vit. Pipe Slope Drains Lin. Ft.	4,100	.55	2,255.00	2,943.00	1,618.65			1,157.00	636.35
21. Grouted Paving Inlets for Slope Drains, Cu. Yds.	40	8.00	320.00	105.33	842.64	65.33	522.64		
22. Six-inch Tile Drains under Struc- ture, Lin. Ft.	6,000	.80	4,800.00	5,007.00	4,005.60			993.00	794.40
23. Wooden foundation Piling, Lin. Ft.	11,500	.95	10,925.00					11,500.00	10,925.00

	B I D			ACTUAL WORK		INCREASE		DECREASE	
	QUANTITY	PRICE	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
24a. Three "Caterpillar" Gates (Complete)	Lmp.sm	\$53,500.00	\$53,500.00	Complete	\$53,500.00				
25. Portland Cement Bbls.	32,200	2.55	82,110.00	32,223.00	82,168.65	23.00	58.65		
26. Reinforcing Steel, Lbs.	1,390,000	.0425	59,075.00	1,504,161.00	63,926.84	114,161.00	4,851.84		
33. Extra Work as Per Attached Statement "D"					30,189.74		30,189.74		
TOTALS			\$2,331,227.00		\$2,654,276.85		\$ 871,652.73		\$ 548,602.88
					<u>2,331,227.00</u>		<u>548,602.88</u>		
IN EXCESS OF BID					\$ 323,049.85		\$ 323,049.85		

Fort Worth, Texas,

October 4, 1932.

To The Board of Directors of
Tarrant County Water Control and
Improvement District Number One,
406 Capps Building,
Fort Worth, Texas.

Gentlemen:

Having been notified that your Contractors had tendered to you as substantially complete your Eagle Mountain Dam and appurtenant works (located on the West Fork of the Trinity River in Tarrant County, Texas), we this day have made our final inspection of the works.

We find the Dam to be substantially complete. We have inspected this structure at various times during the progress of the work and we are glad to report to you that, insofar as inspection of exterior surfaces can disclose, this structure seems to be wholly adequate. In this connection it is pertinent to observe that the original design for this dam was approved by us.

Yours very truly,

STATE BOARD OF WATER ENGINEERS,

BY:

C. S. Clark
A. H. Dumble

JOHN B. HAWLEY
S. W. FREESE
M. C. NICHOLS
A. H. WOOLVERTON
H. A. HUNTER

WATER SUPPLY
WATER PURIFICATION
SEWERAGE
SEWAGE TREATMENT
FLOOD CONTROL
APPRAISALS

HAWLEY, FREESE AND NICHOLS
CONSULTING ENGINEERS
407-410 CAPPS BUILDING
FORT WORTH, TEXAS

Nov. 21, 1932

To the Directors, of
Tarrant County Water Control and
Improvement District Number One,
Fort Worth, Texas.

Gentlemen:

This letter is to certify that six hundred
forty (640) working days elapsed during the construc-
tion of Eagle Mountain and Bridgeport Dams by Trinityfarm
Construction Company and McKenzie-Uvalde Construction
Company.

Under the contract the contractors were allowed
seven hundred (700) working days.

This provision of the contract has been com-
plied with by the contractors.

Yours truly,

HAWLEY and FREESE

BY *Marvin C. Nichols*

MCN: CW

TRINITYFARM CONSTRUCTION COMPANY

LEVEE - DRAINAGE - IRRIGATION - DAMS

CAPITAL \$2,000,000.00

E. P. HARWELL, PRESIDENT
J. D. KIRVEN, VICE PRESIDENT
D. K. WOODWARD, JR., VICE PRESIDENT
C. C. MIDDLETON, SECY-TREAS.

H. W. ENGLISH }
M. A. ROSE } ENGINEERS
J. C. BISSET }
H. T. ROGERS }
W. F. JOHNSON }
JESS WILSON } SUPERINTENDENTS
R. L. CREECH }
J. E. WOOD }

DALLAS TEXAS



December 3, 1932.

Mr. Walter R. Bennett, Chairman,
Board of Directors, Tarrant County Water Control and
Improvement District Number One.
Neil P. Anderson Building,
Fort Worth, Texas.

Dear Mr. Bennett:

In an effort to bring to a close the pending transactions between the District and the contractors, I submit below statements which have been reconciled as to principal amounts with the final estimate and audit of the District, and which have been agreed upon between our co-contractors and ourselves.

The final estimate discloses a gross principal indebtedness by the District to the contractors of \$521,577.90, which has been accepted by the contractors as correct, excepting for an item of \$250.00 due the McKenzie-Uvalde Construction Company, on account of the Bridgeport Dam, which is not taken into consideration in these figures.

The above principal sum of \$521,577.90 is divided between the contractors, as follows:

McKenzie-Uvalde Construction Company	\$ 248,786.74
Trinityfarm Construction Company	<u>272,791.16</u>
	\$ 521,577.90

Included in the foregoing principal sum are current estimates due the contractors, as follows:

McKenzie-Uvalde Construction Company:			
July Estimate,	due August 10, 1932,		\$21,879. ⁸⁴ 34
August "	" Sept. 10, 1932,		23,481.55
September "	" Oct. 10, 1932		32,922.33
Trinityfarm Construction Company:			
July Estimate,	due August 10, 1932		\$26,680.31
August "	" Sept. 10, 1932		4,832.33
September "	" Oct. 10, 1932		13,640.01

Mr. Walter R. Bennett, Chairman

Under the terms of the contract the above current estimates draw interest from their respective maturity dates, until paid, at the rate of eight per centum per annum, and interest thereon, computed to October 25, 1932, upon which date final payment on the contract became due the contractors, is as follows:

McKenzie-Uvalde Construction Company:			
Interest on July estimate,	August 10 to October 25th,		\$364.66
" " August "	Sept. 10 to October 25th,		234.81
" " Sept. "	Oct. 10 to October 25th,		<u>109.74</u>
Total Interest to October 25th on current estimates:			\$ 709.21

Trinityfarm Construction Company:			
Interest on July estimate,	August 10 to October 25th,		\$444.74
" " August "	Sept. 10 to October 25th,		48.32
" " Sept. "	Oct. 10 to October 25th,		<u>45.47</u>
Total Interest to October 25th on current estimates:			\$ 538.53

As above stated final payment became due the contractors on October 25, 1932, and interest on the principal sum (eliminating interest on accrued interest items) runs from that date until payment is made, at 8% per annum. As of December 3, 1932, the indebtedness of the District to the contractors, is as follows:

McKenzie-Uvalde Construction Company:	
Principal sum	\$ 248,786.74
Interest thereon, Oct. 25th to Dec. 3rd,	2,126.67
Interest on current estimates to Oct. 25th,	<u>709.21</u>
Total due McKenzie-Uvalde Company, as of Dec. 3, 1932, \$251,622.62	

Trinityfarm Construction Company:	
Principal sum	\$ 272,791.16
Interest thereon, Oct. 25th to Dec. 3rd,	2,364.18
Interest on current estimates to Oct. 25th,	<u>538.53</u>
Total due Trinityfarm Company, as of Dec. 3, 1932, \$275,693.87	

It is agreed between McKenzie-Uvalde Construction Company, on the one part, and Trinityfarm Construction Company, on the other part, that available cash in the Construction Fund, and such as may become available therein from the R.F.C. Loan, shall be applied first to payment of the

Mr. Walter R. Bennett, Chairman

Bridgeport item of \$250.00 to McKenzie-Uvalde Construction Company, and that the balance shall be divided in the following proportions:

63-4/10% to McKenzie-Uvalde Construction Company, and

36-6/10% to Trinityfarm Construction Company,

the balance due the contractors, respectively, to be paid in bonds of the District, if cash is not made available therefor.

We are advised that the R.F.C. Loan provided approximately \$102,577.00 for application on the above indebtedness due the contractors, and that there is in the Construction Fund, at the present time, approximately \$8000.00. The contractors, in arranging a division between themselves, have assumed that there would be at least \$105,000.00 in cash out of the foregoing sums for application upon indebtedness due them, and for purposes of calculation and adjustment between themselves have credited said sum as of December 3, 1932, as follows:

McKenzie-Uvalde Construction Company:	
Total balance due, Dec. 3, 1932,	\$ 251,622.62
Less: 63-4/10% of \$105,000.00	<u>66,570.00</u>
Balance	\$ 185,052.62

Trinityfarm Construction Company:	
Total balance due, Dec. 3, 1932,	\$ 275,693.87
Less: 36-6/10% of \$105,000.00	<u>38,430.00</u>
Balance	\$ 237,263.87

Total amount due the contractors as of December 3rd, after allowing the assumed payment of \$105,000.00, is as follows:

McKenzie-Uvalde Construction Company	\$ 185,052.62
Trinityfarm Construction Company	<u>237,263.87</u>
Total	\$ 422,316.49

In default of cash payment of this balance, the contractors are entitled to have delivered to them first maturing bonds of the District, at the rate of \$900.00 per bond, with March 15, 1933 coupons attached. To satisfy the above balance on this basis will require, as of December 3, 1932, Four Hundred Sixty-nine (469) bonds, and \$216.49 in cash. Since the McKenzie-Uvalde Company's balance of principal sum is accumulating interest at the rate of \$54.53 per day, and Trinityfarm Company's balance of principal is accumulating interest at the rate of \$60.62 per day, the contractors have assumed that Four Hundred Seventy (470) bonds will have to be divided between them

Mr. Walter R. Bennett, Chairman

and they have agreed upon a division of the first maturing 470 bonds between themselves, as follows:

Maturities 470 Bonds		McKenzie-Uvalde Maturities:	Trinityfarm Company Maturities:
YEAR	NO. of BONDS		
1937	1	1	
1938	2	2	
1939	1		1
1940	3		3
1941	4	4	
1942	4		4
1943	3		3
1944	4	4	
1945	5		5
1946	4		4
1947	4	4	
1948	4		4
1949	14	6	8
1950	16	6	10
1951	15	15	
1952	18	10	8
1953	15	5	10
1954	17		17
1955	22	10	12
1956	25	10	15
1957	27	12	15
1958	28	13	15
1959	30	15	15
1960	29	14	15
1961	31	15	16
1962	46	20	26
1963	48	20	28
1964	50	20	30
Total	470	206	264

It is the desire of the contractors that the bonds aforesaid be divided between them in accordance with the foregoing schedule, in the event, as it now seems probable, that cash will not be available for final settlement, so that henceforth the contractors, respectively, and the District, may deal with such bonds individually and not collectively.

We are advised by Mr. McKenzie and Mr. Bentley that McKenzie-Uvalde Construction Company expect to take their bonds on the above basis at the time the R.F.C. Loan is completed, in the event the District shall not, in the interval, have provided cash to pay them in lieu of the delivery of bonds.

Mr. Walter R. Bennett, Chairman

Trinityfarm Construction Company cannot accept bonds except at great inconvenience and with a financial loss in discount, which it should not be called upon to absorb, and which the District has the legal right to incur (Davis vs City of San Antonio), However, it seems advisable to us to take such of the bonds as we can dispose of, on a basis satisfactory to ourselves, and we wish to ask that the bonds allocated to us be made available for delivery, on orders from us, at \$900.00 per bond, the proceeds of such deliveries to be credited on the balance due us at that rate, as of the several dates of delivery.

The contractors taking bonds will, of course, be furnished, at the expense of the District, a supporting opinion by recognized bond attorneys, and it is our understanding that Messrs. Chapman and Cutler have approved the proceedings and will furnish such opinion.

We wish to ask, especially, that such form of action as may be necessary to be taken by the District Board to approve the final estimate which became due us on October 25th, and which has long since been agreed upon between the Engineers and the contractors, and, as we understand it, verified by Auditors for the District, be now had. You will appreciate, I know, the desirability and propriety of furnishing the contractors all proper evidence of the indebtedness due them in order that they may minimize, as far as possible, the inconvenience and loss resulting from non-payment by the District of these considerable balances.

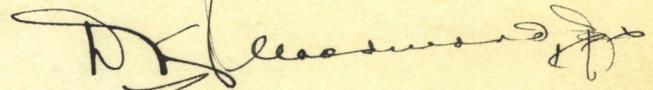
We will ask that you have the foregoing items verified by the District's accountants at the earliest possible time, and if any discrepancies appear that we be immediately advised so that our records and those of the District may be brought into entire agreement.

We also especially ask that we be advised of anything whatever which may be required of the contractors as a prerequisite to final settlement.

I am sending copy of this letter to Mr. McKenzie, Mr. Bentley, to the Engineers, and attorneys for the District, and to Mr. Bewley, and I ask the cooperation of you and your associates in bringing the matter to a conclusion at the earliest possible time.

With personal regards, I am,

Yours sincerely,



Vice-President and Counsel

DKW, Jr/M

"EXHIBIT C"
12/7/32.

LIST OF VOUCHERS NUMBERS 3033 TO 3047, INCL.

<u>NO.</u>	<u>ISSUED TO</u>	<u>COVERING</u>	<u>A M O U N T</u>
3033	A. L. Culwell	Salary for month of November, 1932	\$ 100.00
3034	Dan Jackson	Labor on Bridgeport Dam	2.25
3035	C. F. Wilson	Labor on Bridgeport Dam	1.50
3036	B. L. Brown	Labor on Bridgeport Dam, with Team	3.00
3037	H. A. Hunter	Salary for month of November, 1932	100.00
3038	Bandy Reproduction Company	Photostats	1.50
3039	Wm. Capps Building Company	Room Rent for Office No. 406	40.00
3040	Kaker Brothers	Supplies for Bridgeport Dam	.95
3041	W. N. Moore, Postmaster	400 - 3¢ Postage Stamps	12.00
3042	Ritchie-Cartan & Turner Co., Inc.	Office Supplies	2.26
3043	Royal Typewriter Company	1 Typewriter Ribbon	.75
3044	The Southwest Telephone Company	Bridgeport Dam Telephone Expense	4.20
3045	Southwestern Bell Telephone Company	Office Telephone Expense	15.00
3046	Texas Power & Light Company	Electric Current at Bridgeport Dam	7.44
3047	Western Union Telegraph Company	Office Telegraphic Expense	6.30
T O T A L			\$ 297.15

CONDITION OF CONSTRUCTION FUND 12/6/32

Book Balance December 5, 1932	\$8770.81
Disbursements Checks Nos. 3033 to 3047, inclusive	<u>297.15</u>
T O T A L	\$8473.66

UNPAID ACCOUNTS

<u>DUE</u>	<u>COVERING</u>	<u>A M O U N T</u>
Hawley, Freese & Nichols	Expense - R. F. C. Loan	\$ 260.94
Ireland Hampton	Expense - Austin	112.76
Ireland Hampton	Expense - R. F. C. Loan	715.88
Sidney L. Samuels	Legal Services, Oct. & Nov.	666.67
Ireland Hampton	Legal Services, Oct. & Nov.	1000.00
E. B. Cheatham	Salary Oct. & Nov.	400.00
Alice McConnell	Salary Oct. & Nov.	180.00
W. R. Bennett	Directors Fees, July, Aug., Sept., Oct., Nov.	150.00
E. E. Bewley	Directors Fees, " " " " "	140.00
W. K. Stripling	Directors Fees, " " " " "	140.00
C. A. Hickman	Directors Fees, " " " " "	150.00
Joe B. Hogsett	Directors Fees, " " " " "	130.00
Continental National Bank	Insurance Premium	1273.81
G. W. Duke	Expense	41.25
Daniel W. Mead	Engineering	1060.99
Hawley, Freese & Nichols	Engineering	6103.39
Wise County	Bridge Settlement	400.00
Contractors	Retained Bridgeport Dam Payment	250.00
T O T A L		\$ 13175.69