

GRAND COUNTY WATER CONSERVANCY DISTRICT
GRAND COUNTY SPECIAL SERVICE WATER DISTRICT

Regular Meeting-----October 1, 1982

The meeting was called to order by Chairman K.E. McDougald at 5:20 P.M. at the District's Office with the following Board Members present: Everett Schumaker, D.L. Taylor and Curt Young.

ATTENDANCE

Special Service Water District Board Members present: K.E. McDougald, Everett Schumaker, Dan Holyoak and George White.

Also present: Larry Anderson and Bryce Montgomery, from the Division of Water Resources, Brad Price and Dr. Rollins, from the firm of Rollins, Brown, and Gunnell, David J. Bretzke, Executive Director, and Donna Jo Koskinen, Secretary.

Brad Price discussed with the Board Phase I of Rollins, Brown, and Gunnell's proposal of determining the Extent of Joints and Fractures at the reservoir.

PHASE I

He stated that he was pleased with the work that has been done thus far and that the fracture was larger than he expected. He suggested to the Board some alternatives in repairing the leak at the reservoir. They are as follows:

ALTERNATIVES
FOR FIXING
FRACTURES

1. Building a dike 33 feet high with an estimated cost of \$220,000.00 to \$225,000.00. This includes 84,000 yards of fill. This alternative will lose about 110AF of storage.

2. Striping all the overburden off the rock, hosing it down and locating all the fractures and joints, dental grout the fractures and joints, and then blanket the area which includes on the average 3 to 4 foot of overburden material. This would require a D-8 Cat, 2 Scrapers, 15 working days and 3 laborers with High Pressure Pumps also working 15 days. This is for 5½ acres. This alternative will lose about 26 AF of storage. The estimated cost is as follows: (this is a high estimate)

| | |
|---------------|----------------------|
| 1. Clay | \$4.00 per yard |
| 2. Gravel | \$2.50 per yard |
| 3. Sand | \$1.50 per yard |
| 4. Blanketing | \$24,000.00 per acre |
| TOTAL COST | \$182,000.00 |

Larry Anderson told the Board that time is of the essence. He asked Brad Price the time frame for the repairing of the fracture. Brad Price replied that he would like to have a contractor on the site no later than November 1st, 1982. The plans would take 2 weeks to prepare. He feels that the repairing of the reservoir should be bid.

TIME FRAME
FOR REPAIRING
THE FRACTURE

Larry Anderson stated that we should bid now before the plans are ready. Brad Price stated that it would take approximately 15 days for the specs and plans and 20 days to blanket the reservoir.

BIDS

Bryce Montgomery stated to the Board that there were more fractures found. He suggested that the Board have all the reservoir blanketed that will be under water.

BLANKET

Larry Anderson told the Board that the Division of Water Resources thinks that the Board should blanket as much of the reservoir as we have money. The worst part of the fracture should be blanketed first and then do the rest later.

D.L. Taylor asked if we could plug the fractures as they show and then blanket at a later date?

Dr. Rollins answered that doing the repairing of the fractures this way would create a loss of some water. Dr. Rollins stated that we should do the troubled area NOW.

Brad Price stated that it would cost approximately \$50,000.00 for grouting & \$24,000.00 per acre for construction for 3½ acres of blanket. The total cost for 5½ acres is \$182,000.00. We have already spent \$7,821.00 for Phase I on studies done this month.

COST FOR
BLANKET

George White suggested that we blanket as much of the reservoir as we have money.

Everett Schumaker agreed with George White. He also stated that time is very important. He did suggest that we fill the cracks, pack sand over the cracks, place a plastic lining over the cracks, and then pack sand over this.

K.E. McDougald stated that he felt that if we do not blanket right away, that the fracture might endanger what repairing has been already done.

Larry Anderson told the Board to bid for the clearing, scraping, and hosing down of the reservoir on a lump sum basis and the rest of the work to be done on a cubic yard unit basis for dental grouting and installing the blanket. Larry Anderson told the Board to blanket at least 3½ acres now. Everyone tried to pin down an absolute cost for blanketing of 3½ acres. Larry Anderson stated that he recommends that we blanket the minimum 3½ acres NOW.

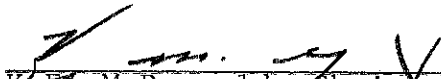
BIDS


K.E. McDougald suggested that the Board table this matter until the next Board meeting on October 5th, 1982.

The meeting was adjourned at 6:30 P.M.

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ATTEST:


K.E. McDougald, Chairman


David J. Bretzke, Secretary