

Mesa Cortina Water & Sanitation District
BOARD OF DIRECTORS MEETING
Tuesday, April 6, 2010
Silverthorne Fire Station

Attending Board members:

Jon Whinston	Barry Westerland
Billy Jack	Randy Rehn
Chuck Gray	

Others attending:

Bob Polich	District Administrator, Mountain Systems
Jeff Leigh	District Manager
Jim McLaughlin	District Engineer
Jeremy Wheeler	Treatment Tech

Vice President Randy Rehn called the meeting to order at 5:05 PM

Minutes. *The minutes from the March 2, 2010 meeting were approved as written. (Rehn/Westerland,3-0).*

Jon Whinston and Billy Jack arrived at 5:08.

Sewer Agreement. A final draft was prepared and emailed to the Board on the Cortina Ridge sewer usage connection to the Mesa Cortina District with the Buffalo Mountain Metro District (BMMD). *The Board approved a motion to sign the agreement (Gray/Westerland,5-0).*

Operations. Jeremy Wheeler from Treatment Technology attended the meeting. He provided a written March report. The main booster pump, likely original, failed in March. A new 7.5 hp pump was obtained and replaced by Jeff Leigh and Randy Rehn. An air packet in the line due to the pump change caused a low tank alarm that was analyzed and corrected.

Feasibility Study. A draft report prepared by Engineer Jim McLaughlin regarding utilization of the Bashore well water was provided to the Board prior to the meeting. Jim attended the meeting to update the Board on the findings of the report. The Bashore well has sufficient water, but the water quality would require a Reverse Osmosis (RO) system. To replace the purchase of BMMD water monthly would require 650,000 gallons of water. The current purchases from BMMD are approximately 350,000 gallons monthly. The proposed project would provide for doubling the current water requirements. The recommended treatment capacity would require 4.5 EQR sewer fees and the purchase of 5 sewer EQRs from the Joint Sewer Authority (JSA) was used for the study. The proposed RO treatment system is a package skid system. The treatment plant location could be at the Bashore well site or within Mesa Cortina. To be financially feasible a single trench would be used for both the sewer line and water line. A variance to State standards that requires separate trenches would be required, but was not expected to be difficult to obtain. There was a discussion of depth of pipe bury that was proposed to be three feet and five feet and the drain back concept to keep static water from the lines. Both the water and sewer line would be welded poly pipe. The

sewer line would use a grinder system in Mesa Cortina to reduce the size of the transmission line. The brine from the RO treatment would be held in a storage tank and discharged at night to reduce EQR costs for the tap fees and operating costs. A control system would be utilized to coordinate the pump operation with the water tank. The Bashore connection would be to the lower zone with pumps in the PRV vaults to move water to the middle and upper zones. The design would allow for increased capacity in the future. The report presented the amortized cost of the construction and annual operating costs. The conclusion of the report was the current cost of utilizing BMMD water was \$8,450 less annually than the use of the Bashore well. However, the cost difference was reduced by the inclusion of the sewer option and possible future BMMD rate increases. The Board discussed the financial viability of the Bashore project with the current opinion it was not appropriate at this time. There was a discussion regarding the feasibility of drilling a replacement well within the District to determine if any additional water was available from better well construction. The history of the BMMD water purchase contract and rate negotiations was summarized. Also discussed with the engineer was the concept of pipe lining compared to the replacement of water pipes to reduce line breaks.

Water Tank. Novell Construction has agreed to the warranty repair terms specified by Engineer Jim McLaughlin. There was a discussion with Jim on how to avoid the workmanship problems encountered with the original repair. The primary suggestion was to avoid bad weather conditions and to monitor the work. The proposed 2010 work includes weld repairs to be paid for by the District. There was some question regarding if the District should be responsible for the cost. Jim explained the ideal work pattern would be to sandblast in the morning and paint in the afternoon to cover any exposed metal in good weather. Jim provided an initial estimate of \$3,500 for his firm to monitor the job. *The Board authorized \$3,500 for inspection and monitoring the tank repair project. (Gray/Rehn,5,0).* The Board would consider authorizing additional inspection funds as necessary to insure the correct repairs are performed.

Sewer Lines. There was a discussion of using the contractor that will be working in the Town of Silverthorne for some limited sewer lining of problem pipes within Mesa Cortina.

Next Meeting. There will not be a meeting on Tuesday, May 4, 2010. An alternative meeting date in May will be selected. The meeting will be at the Silverthorne Fire Station.

The meeting was adjourned at 7:39 PM