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* M E M O R A N D U M *

TO: File
FROM: Richard B. Hall, P. E., Distribution Engineer
SUBJECT: Field Review of the Cedar Valley Distribution System
DATE: October 19, 1984

A field examination of the subject system was undertaken on October 16, 1984 with the following in attendance:

Gene Roundy
Gerald Stoker

Jerry L. Bronicel
Richard B. Hall

The following items were observed and/or discussed.

- 1) Cedar City, South Field, and West Field out of Coal Creek - The water is measured some 0.2 miles downstream by a 3 foot Parshall Flume. The city controls this water and distributes it to the three entities.
- 2) U.S.G.S. Gaging Station - This station is located immediately upstream of the diversion in item "1". The control section is damaged and the bottom of the channel is reported to be highly erodible. I suggested we use gabions to control erosion of the channel bottom. We decided to explore this possibility and I said I would send Gerald some suppliers names.
- 3) Old Fort-Old Field Ditch - This diversion is on the south side of Coal Creek immediately south of the Area Office. The flow is measured by a Parshall Flume, which needs the approach channel cleaned. Some submergence may be occurring, due to a trashrack immediately downstream.
- 4) Bulldog Ditch, Northfield - East Extension, and Union Field Ditch - This diversion is due north of the Old Fort-Old Field Diversion. A triple splitter is located immediately downstream with each ditch having a Parshall Flume. All of the approach velocities are too high due to debris. The Union Field Flume has a tipped wall on the south side, which should be straightened.
- 5) The wells were not observed; however, a discussion on the problems of broken meters, meter reliability, and non-compliance took place. These are the same problems which are occurring in all of the groundwater distribution systems.

cc: Jerry L. Bronicel