



IRON MOUNTAIN



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CEDAR CITY CORPORATION

CEDAR CITY, UTAH

April 4, 1949

State Engineer's Office
403 State Capitol Building
Salt Lake City, Utah

Gentlemen:

Enclosed you will find a very rough sketch showing water diversion from Coal Creek, furnished upon the request of Mr. Cottrel of your office.

My recommendation for the type of water measuring devices to be installed on the various canals would be parshall flumes. The reasons being the amount of debris, silt and rock carried by Coal Creek and the lack of maintainance on the canals, except for a spring cleaning. The ponds required to slow the water down behind a weir are not kept clean and if cleaned are filled back up within a few days. I think a parshall flume would clean itself and with little maintainance would give a fairly accurate water measurement.

Mr. J. T. Leigh, the water master, made a suggestion which I pass along for your information. He suggested that when the water in Coal Creek dropped to primary water rights, all the water be diverted into the South and West Field and City canal, that the water then be passed over a crest and split according to the various rights held by the several irrigation companies. Each split would lead to an Irrigation Companies Canal, the water for the Companies further down the creek being returned to the Creek. Mr. Leigh felt that if the water raised or lowered somewhat during the day, such a split would handle it.

I hope this information is adequate. If not please let me know.

Very truly yours,

J. G. Lowman
J. G. Lowman
City Engineer