



City of Grand Junction. Colorado 81501

250 North Fifth St., 303 243-2633

October 20, 1978

Central Grand Valley Sanitation District  
c/o Al Reuter  
590 Grand Valley Drive  
Grand Junction, CO 81501

Gentlemen:

As I discussed with you the other night, the City is contemplating the purchase of a TV camera for the inspection of sewer line within the districts involving the overall valley wide sewer program. This TV camera would be maintained by the City and a City operator would accompany the use of this camera at all times. The TV camera would be used in the inspection of new sewer lines as well as old sewer lines where problems could exist.

Many of the district, as I mentioned to you in our recent meeting, are contributing in the neighborhood of \$2000 to \$2500. I hereby request that your district also consider participating in this worthwhile effort. For the good of improving the sewer line quality within the whole Grand Junction system we feel that the TV system will play an intricate roll.

If you have any questions, please feel free to let me know.

Sincerely,

A handwritten signature in cursive script, appearing to read "Duane R. Jensen".

Duane R. Jensen, P.E.  
City Engineer-Utilities

DRJ/hm



City of Grand Junction, Colorado 81501  
250 North Fifth St., 303 243-2633

October 20, 1978

Orchard Mesa Sanitation District  
P. O. Box 987  
Grand Junction, CO 81501

Gentlemen:

Enclosed please find a memorandum that I prepared for the City Council regarding plant investment fees. As I have discussed with you in the past, the plant investment fee for a single tap was changed from the old amount of \$150 to \$500. The enclosed memorandum reflects this change for single family taps as well as makes adjustments for non-residential users and multiple-family dwellings. The enclosed formulas for determining the plant investment fees were passed for publication by the City Council as an ordinance on October 18, 1978. In charging the plant investment fees, the enclosed formulas will be used by the City.

Feel free to use this material as you wish in determining the charges that you will make to the various users within your service areas. If you have any questions, please feel free to let me know. I will be happy to discuss them with you at any time.

Sincerely,

A handwritten signature in cursive script that reads "Duane R. Jensen".

Duane R. Jensen, P.E.  
City Engineer-Utilities

DRJ/hm

Enclosure



City of Grand Junction, Colorado 81501

250 North Fifth St., 303 243-2633

October 20, 1978

Fruitvale Sanitation District  
2887 North Avenue  
Grand Junction, CO 81501

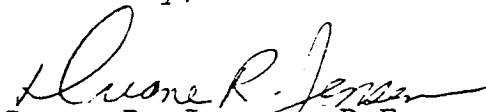
Dear Sirs:

The City of Grand Junction, as well as many of the other sewer districts in the area, is contemplating the purchase of a sewer TV inspection system to inspect new sewers and problem areas in old sewers within the many districts of the valley wide sewer program. The total estimated cost of this sewer TV inspection unit is around \$11,000 to \$12,000. Many of the other sanitation districts within the valley have contributed sums from \$2000 to \$2500 towards the purchase of this TV camera from their projected 1979 budgets. We hereby request that your board consider joining with these districts and with the City in the purchase of this TV unit so that it would be available to inspect sewer lines within your system.

The TV unit would be maintained and stored with the City Engineering Department and would be available along with an operator from the City Engineering Department when TV inspections were necessary in your district. In other words, the City would man the TV equipment with at least one man at all times when it is in operation and take care of any maintenance required on the TV camera.

If you have any questions, please feel free to let me know. I would be happy to meet with you on this subject.

Sincerely,

  
Duane R. Jensen, P.E.  
City Engineer-Utilities

DRJ/hm

October 20, 1978

City of Grand Junction  
and Mesa County  
City Hall  
Grand Junction, Colorado 81501

Attention: Mr. Duane Jensen, P.E.  
Utility Engineer

Re: Engineering Consultation  
Interim Sewage Treatment Facilities  
Prior to Completion of the Persigo Wash WWTP

Gentlemen:

In accordance with the request of Mr. Duane Jensen, we herewith offer you our services as you may direct in regard to a study and recommendation(s) regarding interim sewage treatment facilities prior to completion of the planned Persigo Wash Wastewater Treatment Plant. The included scope of work has been discussed in detail with Mr. Jensen, Mr. James Patterson and our staff on October 18.

### Part I - General

In order to meet the growth pressures of current development (both housing and commercial) within the sewer service area, alternatives capable of providing an interim treatment capability until the Persigo Wash WWTP is on the line must be studied. A study is anticipated that will address the reasonable alternatives to provide this interim treatment capability, implementation schedules, cost estimates, potential continued use in the Persigo Wash WWTP of any interim facilities constructed, effluent limitations and potential funding by the EPA. It is intended that the proposed interim treatment capability will provide service to new sewage flows or existing sewage flows that are not adequately treated, however it is not the intention of this study to eliminate any existing package plants or individual home treatment systems that are currently performing their intended use. A more detailed scope of work is as follows:

Alexandria, Va.  
Atlanta  
Charlotte  
Chicago  
Dallas  
Denver  
Helena  
Minneapolis  
New Orleans

Alexandria, Va.  
Atlanta  
Charlotte  
Chicago  
Dallas  
Denver  
Helena  
Minneapolis  
New Orleans  
Folk, Va.  
Waha  
Wescote  
Phoenix  
Santa Barbara  
Seattle  
Washington, D.C.

Part II - Scope of Work

1. Determine the volume, location and timing of the anticipated sewage loads requiring treatment. (Anticipate this data can be provided by City of Grand Junction staff).
2. Prepare an area map showing the impact points of these sewage loads.
3. Review the various schedules and their interrelationships including proposed developments, the various sewers (River Road, Independent Avenue, Paradise Hills-Phase II, Goat Wash and Tiaro Rado) and Persigo Wash WWTP to determine the time period for interim treatment.
4. Identify and evaluate the various alternative treatment schemes to include but not necessarily be limited to the following:
  - a. Package treatment plant (include new as well as any possible used plants that might be available).
  - b. Lagoon (to be located at Persigo Wash Plant site).
  - c. Potential changes at existing treatment plant to increase capacity.
  - d. Other.

Discuss the advantages and disadvantages of the above alternatives as they relate to the required interim treatment capability.

5. Discuss the potential for the continual use of any of the above alternatives in the Persigo Wash Facility when it goes on the line.
6. Review with the Colorado Department of Health what their position would be in regard to any temporary treatment plants (effluent limitations to be met, new discharge permits required, etc.)

7. Prepare preliminary total project cost estimates for each of the alternatives considered reasonable.
8. Discuss the potential inflation cost savings on the various sewers that might be constructed and used with the treatment alternatives.
9. Review with the Colorado Department of Health and the Environmental Protection Agency the potential for grant funding of this interim treatment capability zeroing in on those plans which can be utilized as a functional part of the Persigo Wash plant.
10. Maintain continued contact with the City staff as the study proceeds not only to keep them appraised but to eliminate or keep to a minimum effort on alternatives that have minimal merit.
11. Write a letter report in sufficient detail that will allow City staff to recommend to City Council a course of action to follow. This report would include schedules, costs, facility location maps, treatment schematic drawings, evaluations of the various plans and an engineer's recommendation on a course of action to follow.

#### Part III - Schedule and Payment

We anticipate this study will take approximately six weeks to complete once we receive a notice to proceed.

For all services performed under Parts I and II, we are to be paid a fee equal to the payroll cost\* of our personnel working on the project times a factor of 2.1 plus actual expenses, travel and lodging at cost, and other miscellaneous direct expenses as may be necessary.

\* Payroll costs are salary costs of employees working on the project plus 31.67% of said salary costs to cover taxes, payments or premiums related to Workmen's Compensation Insurance, social security, State and Federal unemployment insurance, medical insurance, FICA, sick leave, holidays and vacation pay.

City of Grand Junction and Mesa County

October 20, 1978

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For the services of any consultants retained by us, to assist in the work, such as Culp/Wesner/Culp, consultants on process and operation, we will bill you the amount of their actual invoices to us.

We will invoice the City on a monthly basis for services rendered during the preceding month.

Based on the scope of work presented, we estimate that the total services covered by this agreement will not exceed \$15,000.00. without authorization from you.

We appreciate the opportunity of presenting this to you. If this is acceptable, please return one executed copy for our files.

Yours very truly,

HENNINGSON, DURHAM & RICHARDSON, INC.  
OF COLORADO

By 

W. L. Bredar, P.E.

Executive Vice President

WLB/jb

Accepted:

CITY OF GRAND JUNCTION AND MESA COUNTY

By \_\_\_\_\_