



CITY OF RAPID CITY

RAPID CITY, SOUTH DAKOTA 57701

Public Works Department
Engineering Services Division

300 Sixth Street

Telephone: (605) 394-4154 FAX: (605) 355-3083

Web: www.rcgov.org

October 22, 2009

Rapid City Planning Commission
City of Rapid City
300 6th St.
Rapid City, SD 57701

Dear Rapid City Planning Commissioners;

The City of Rapid City has submitted construction drawings under South Dakota Codified Law 11-6-19 for approval to construct two water transmission mains that are needed for the City's proposed new water treatment facility to be located at Cleghorn Canyon Road.

The project proposes to construct two 20" diameter steel water transmission mains in order to deliver treated water from the proposed Jackson Springs Water Treatment Facility, to be constructed in Cleghorn Canyon. One transmission main will convey treated water into the City's Low Level zone and will terminate in Canyon Lake Drive approximately 1 block north of Jackson Blvd. Under a separate project this line will be extended to Soo San Drive. The second transmission main will convey treated water into the City's Canyon Lake High Level zone and will terminate at Park Drive at the intersection of Park Dr. and Jackson Blvd. Under a separate project this line will be extended to Sheridan Lake Road. These transmission mains have to be in service prior to the proposed water treatment facility being commissioned.

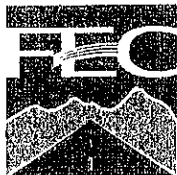
Sincerely,

Stacey P. Titus, P.E.

Project Manager



EQUAL OPPORTUNITY EMPLOYER



**Ferber
Engineering
Company, Inc.**

- Civil Engineering
- Water Resources
- Transportation
- Land Surveying

October 8, 2009

RECEIVED

OCT - 9 2009

Mr. Stacey Titus, PE
Rapid City Engineer Services
300 6th Street
Rapid City, SD 57701

Rapid City Growth
Management Department

**RE: Jackson Boulevard Water Transmission Mains – 95% Submittal
WTP 09-1836 / CIP 50780**

Dear Stacey:

Please find enclosed the following items:

- 6 – 22”x34” Jackson Springs Water Transmission Mains 95% Design Plans
 - Four copies are for the SDCL 11-6-19 Review
- 2 – 95% copies of the Bid Documents, including Detailed Specifications
 - One copy is for the SDCL 11-6-19 Review
- 1 – 95% Engineer’s Opinion of Probable Construction Cost
- 11 – Various Design/Specification Exception Requests

We are working on the necessary revisions to the 65% design report and hope to be able to submit to you on Friday, October 9, 2009. I believe that if we get the revised report in on Monday, October 12th, it will be included in the SDCL 11-6-19 Review package by Growth Management. We also need to complete a Floodplain Development Permit Application and supporting documentation for the project.

After talking to Mark Mayer, SDDENR, about water main separation from storm and sanitary sewer, SDDENR does not have any problems with separation distances of seven to 8 feet when we are constructing the welded-joint steel pipe. Mr. Mayer requested that the submittal cover letter outline by station where the separation distances are less than 10 feet for ease of review.

One item that will need to be added to the 100% set of plans is the valving revisions at the existing blowoff assembly near the Cleghorn School that were requested by the City. However, the cost of this is minimal and should be covered under the amount that we have under incidental work.

RECEIVED

OCT 9 2009

ENGINEERING DIVISION

Mr. Stacey Titus, PE
October 8, 2009
Page 2 of 2

The engineer's opinion of probable construction cost is \$4,280,921.30, including a 7.5% construction contingency. This is within approximately \$30,000 dollars of the requested budget amount of \$4,250,000.

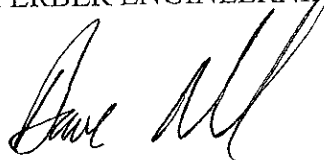
With the Canyon Lake Drive Reconstruction Project cropping up on the horizon, maybe we should consider constructing the 20-inch and 12-inch mains through the Jackson Boulevard intersection and ending somewhere near Canyon Lake Drive Station 3+95 with tie-ins toe the existing 20-inch and 12-inch mains. We could accomplish the temporary tie-ins in the trench we have for the new 12-inch tie-in in Jackson Boulevard.

By cutting back the project on Canyon Lake Drive, it eliminates the replacement of approximately 800 sy of 7-inch concrete pavement that may be torn out if the typical paving section developed for the Canyon Lake Reconstruction calls for something different.

Please review the plans and specifications and provide comments back to us as soon as possible. Burns and McDonnell has said that they can review the plans and specifications at the same time as the City. We plan on beginning the advertising on October 31, 2009.

Please call if you have any questions.

Sincerely,
FERBER ENGINEERING COMPANY, INC.



Dave Muck, PE/LS
Project Manager

Enclosures: as noted

- Cc: Mr. Anthony Beeson, PE, Burns and McDonnell
1 - 22"x34" Plan Set, 1-11"x17" Plan Set and 1 hard copy of Bid Documents,
Opinion of Probable Construction Cost, Design Exception Requests
Mr. Dayton Alsaker, PE, Dowl/HKM
1 - 22"x34" Plan Set, 1-11"x17" Plan Set and 1 hard copy of Bid Documents
Mr. Gary Engle, PE, SDDOT
1 - 11"x17" Plan Set and Special Provision for Epoxy Pavement Marking Paint