



**Ferber  
Engineering  
Company, Inc.**

- Civil Engineering
- Water Resources
- Transportation
- Land Surveying

## MEMO

To: **City of Rapid City Growth  
Management Department**

From: **John Van Beek** *JVB*

Re: **Tish Boulevard Force Main**

CC: **File**

Date: **2/6/2009**

Urgent

For Review

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In October of 2008 Ferber Engineering Company completed the preliminary design report for the extension of Tish Boulevard (formerly known as East North Street and briefly known as North Mickelson Drive). Construction plans for were approved in December of 2008 which included the construction of dry sewer. The gravity sewer connection described in the preliminary design report (connecting dry sewer in Emerson Lane to current live sewer in Seger Drive to the East) has not been made and currently we are not aware of any plans in the near future to make this connection. Therefore through discussions with representatives from both Rapid City Public Works and Rapid City Growth Management we decided to proceed with the design to provide sewer service to the future Fire Station utilizing a force main and individual grinder pumps.

The plans included with this submittal detail the force main and provide conceptual information related to how the Fire Station will be served. We will provide additional information detailing size and recommended type of duplex grinder pump system to be utilized as more information is available regarding the Fire Station Site. We have assumed that similar systems may be utilized and connected to the common force main to serve the property adjacent to Tish Boulevard. The potential maximum service area we assumed is approximately 21 acres in size.

We anticipate having our additional analysis complete by February 13, 2009. Please call with any questions.

**RECEIVED**

FEB 06 2009

**Rapid City Growth  
Management Department**