

2727 North Plaza Dr. Rapid City, SD 57702 (605) 348-6529 (800) 529-0111 Fax (605) 342-1160 www.goldenwesttechnologies.com

CITY OF RAPID CITY
PLANNING DEPARTMENT
300 Sixth Street
Rapid City, South Dakota

**DATE 12-02-02** 

Dear Jeff.

In answer to your Staff Review questions and concerns, we offer the following information.

## Co-location / Necessity

We are currently providing service to our customer's via a Tower at the south end of Skyline Drive and are Transmitting to that tower via a fiber optic cable from our 2727 N. Plaza Drive location to a Colocation on the KNBN Tower on Cowboy Hill. What we have engineered is a wireless link to complete a Sonet Ring to provide redundancy for our customers in the event the fiber optic cable is cut, or fails, we will still have a active link to our Skyline Drive Tower and our customer's service will not be interrupted.

We have surveyed the area, and there are no other Towers or structures with in a close proximity to our site that would provide the direction or the height we need to be able to transmit a signal to our Skyline Drive Tower location.

## **Fencing**

The Tower is designed to limit access to the climbing pegs which start at twelve feet above elevation. We have employees on site 24/7. We therefore felt a fence around the tower would not be necessary, and would distract from the aesthetic value.

If you have any questions, issues that need to be addressed, or if I can be of assistance in any way please do not hesitate to call. (605) 721-1029

Sincerely,

Jerry IVIF Gyles

Cabling Operations Manager



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CITY OF RAPID CITY PLANNING DEPARTMENT 300 Sixth Street Rapid City, South Dakota

DATE 12-16-02

Dear Jeff.

In answer to your e-mail for more information, we offer the following information.

As stated before, we are currently providing service to our customer's via a Tower at the south end of Skyline Drive and are Transmitting to that tower via a fiber optic cable from our 2727 N. Plaza Drive location to a Co-location on the KNBN Tower on Cowboy Hill. What we have engineered is a wireless link to complete a Sonet Ring to provide redundancy for our customers in the event the fiber optic cable is cut, or fails, we will still have a active link to our Skyline Drive Tower and our customer's service will not be interrupted.

We have been researching this project for almost two years. We have surveyed the area to find a more economical solution to complete the Sonet Ring with out having to install another tower. We do not invest this amount of money unless all other options have been thoroughly investigated.

When we started providing this service, we opted to co-located on the KNBN Tower (reference your file number A0217849) rather than construct our own tower at the 2727 Plaza Drive location. We spent more in the Fiber Optic installation than it would have cost to erect our own tower. We did that for the same reasons you are scrutinizing any new tower installations. Please see the attached map with the Towers circled in red. These are the five Towers closes to our location that we are not already using. None of these Towers provide an economical solution to complete this Sonet Ring primarily for there locations in reference to our location, and secondary for the uneconomical ability to get a cable to any of the locations. The two Towers file # A0242543 & 01UR027 do not give us the a clear line of sight necessary to reach our Tower on Skyline Drive.

From our location at 2727 N. Plaza Drive ( LAT. 44-06-21 N / LON. 103-15-56 W ) to the Golden West Technologies Tower on Skyline Drive ( LAT. 44-02-51.9 N / LON. 103-14-37.6 W ) We need a line of sight between the Towers for our equipment to function. There are "NO" other towers in this area that have the height, and provide the direction ( AZIMUTH 163.38 ) we need to reach the Skyline Drive tower.

What is first, and foremost in our plan is to provide our customers with a reliable, uninterruptible service. The Tower has been designed to not only support our present and future needs but the needs of others in our area that may need Tower space in the future, We are having feed line entries installed at various points on the Tower for co-location in the future.

It will take almost two months for construction of the tower and site preparation and we are heading into are worst time of year for weather and related failures. We feel we have provided all the information the Planning dept has ask for and needs to make an informed decision. We therefore ask that this location be approved.

If you have any questions, issues that need to be addressed, or if I can be of assistance in any way please do not hesitate to call. (605) 721-1029

Sincerely,

Jerry M. Gyles

**Cabling Operations Manager**