

**DRAINAGE REPORT TO SUPPORT THE
VACATION OF THE MAJOR DRAINAGE EASEMENT
FOR LOT 1 OF BUFFALO RIDGE SUBD.**

Buffalo Ridge Subdivision was platted in December of 1991. A series of 24" RCP storm sewer pipes were installed in conjunction with the Drainage Report and design that was submitted and approved by the City of Rapid City. The 24" RCP storm sewer pipes discharged into the detention cell which was the entire Lot 1.

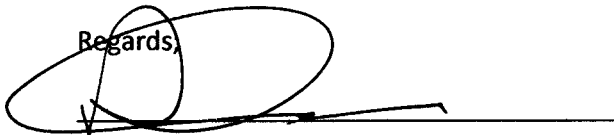
At the time of platting, I was required to construct 62 additional feet of 24" RCP from the Type B inlet on the South side of Shaw Court toward Reservoir Road. The Pennington County highway department had plans at the time to re-construct Reservoir Road to include Storm Sewer. I agreed to construct the additional 62' with the agreement that when the county constructed Reservoir Road they would extend the 24" RCP to their Storm Sewer.

In June of 2010, the county had Rich Marsh of CETEC Engineering review the connection to their system and check the capacity of their system to handle the additional flows. Rich Marsh called me and told me that there was adequate capacity to make the connection and it was completed in August 2010.

The overall impact of this new connection is that the storm water will now travel entirely underground and we will be eliminating the dangers inherently present in a detention cell filled with water during a storm event.

If you have any questions please let me know.

Regards,



Ronald D. Davis, PE/RLS #3095 SD

RECEIVED

JAN 26 2011

**Rapid City Growth
Management Department**