

SOUTH CREEK DRAINAGE UPDATE

On September 15, 2008 a meeting was held to discuss the status of the review of the remedial work options for drainage improvements and dewatering the detention pond. Present were Bill Barber - GBA; Dale Tech, David Johnson and Chris Catlette - City of Rapid City Public Works Dept./Engineering Services; Mary Bosworth and Bob Dominicak, City of Rapid City Growth Management Dept./Development Services.

The end of the detention pond outlet pipe needs to be exposed and cleaned to allow a full evaluation of the actual "as-constructed" elevations of the culvert under the road, inlet and outlet of the detention pond outlet structure, and the detention pond bottom. This work would be entirely on city owned land as there is a restrictive wetland easement on the drainage and wetland portions of the adjacent apartment complex.

After much discussion, it was decided that the best tact to take is to get the water out of the detention pond. Since it will not flow through the outlet pipe it will need to be pumped out. Bill Barber, GBA, is checking on the availability of a pump and about getting power to the site. Once this is determined we will get the pump process started; once the water is out of the pond we can tell to what extent the pond has silted in and will give us an idea of what elevation the a outlet pipe will need to be to drain the pond with gravity flow. It is becoming more apparent that a new outlet pipe may need to be installed. We will not know this for sure until the water is out of the pond and the outlet end is exposed.

Once the pond is sufficiently dewatered and the pipe exposed, the city would use the sewer jet equipment to clean the exposed outlet pipe and to remove the silt and debris in the pipe. In conjunction with this, further pumping of water from the area below the outlet may need to continue to lift the water up to the elevation of the culvert under the access road.

At this time we are working with Mr. Barber, GBA, to coordinate schedules for proceeding with the work, acquiring adequate pumps, power to the site and including finalizing the permit to allow the dewatering discharge, and availability of city equipment and personnel.