

ROSENORT FLOOD PROTECTION

Manitoba Conservation, Water Resources Branch

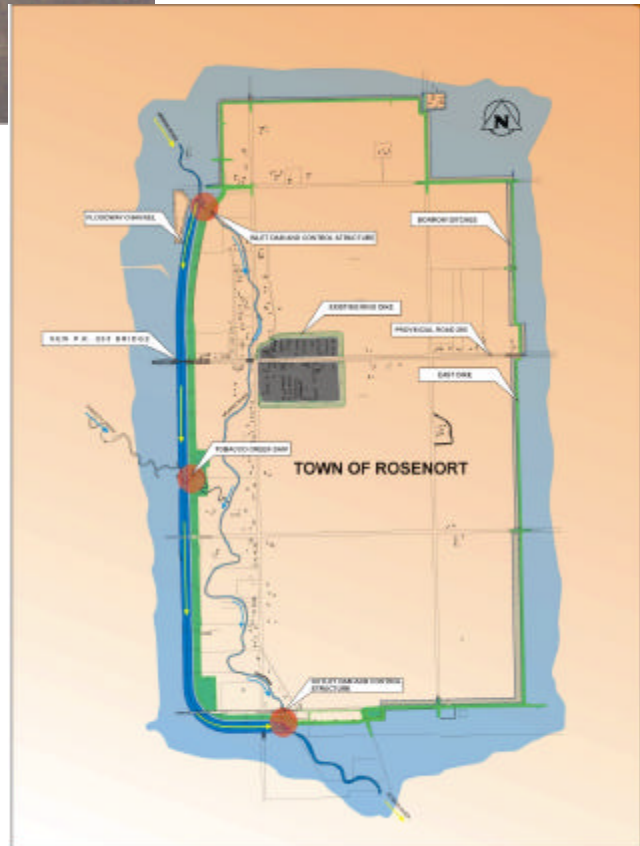
Winnipeg, Manitoba



Project Description

Subsequent to the 1997 flood on the Red River, KGS Group was retained to provide concept planning, detailed design and contract administration for flood protection infrastructure to protect the Town of Rosenort, Manitoba. In consultation with the Water Resources Branch of Manitoba Conservation, it was decided to design and construct a diversion channel around the town to effectively divert the Morris River and Tobacco Creek flow in combination with perimeter diking around the community. The design of the \$12 million project included:

- 6 km of perimeter dike
- 2.7 million cubic metres of channel excavation (largest earth moving project in Manitoba in the past decade)
- Earthen inlet and outlet control structures with gated 2.4 m diameter conduits
- New highway bridge crossing the channel on P.R. 205
- Fish loss mitigation measures



The project was awarded the Award of Excellence in the Resource and Development category at the 2002 Consulting Engineers of Manitoba Awards of Excellence.