

Albany - Storm Water Management Facility

Stats:

LOCATION:
Edmonton, AB



CLIENT:
167th Palisades Property Inc

PROJECT TIMELINE:



OUR ROLE:
Prime Consultant

PROJECT TYPE: Residential Storm Water Management

PROJECT DESCRIPTION:

The project involves preliminary design, detailed design, cost estimation and construction administration for the construction of the storm water facility in north Edmonton serving a residential basin area of approx. 65 Ha. The design entailed a wetland concept meeting the City of Edmonton design standards and was part of a residential subdivision development. The facility was designed to work in conjunction with a neighbouring existing natural wetland. Controlled out-flow from the natural wetland passes through the designed wetland to continue through the City’s storm system, discharging to the North Saskatchewan River.

As part of the design, the general design geometry and landscaping had to meet Federal DND requirements, thus minimal water surface is available to large water fowl and planting types had to be strictly planned to prevent attracting medium to large bird species.

The design incorporates a large green space around the water surface along with a shared use trail passing through the facility’s green space area providing a link for pedestrians and bicyclists to different parts of the development.

