

# Britannia Village Flood Control Project

## Objectives to be met:

Revised in accordance with Community Liaison Group meeting of March 23, 2011

### In General:

A successful Britannia Village Flood Control project will provide reliable, long term protection of property and people in the Britannia Village community against risk and inconvenience associated with flood events on Britannia Bay, up to and including the 1:100 year flood (the regulatory flood standard for Eastern Ontario).

Completion of the project will enable the City of Ottawa and the Rideau Valley Conservation Authority to apply a flood fringe designation to the protected area, as provided for in Provincial Policy, and thereby to adjust land use and development control restrictions to suit the improved state of flood risk management in this community.

### More specifically:

The works to be built, operated and maintained must satisfy the following requirements:

1. Prevent overland flow entering the protected area when Ottawa River is at 1:100 year flood stage on Britannia Bay (60.8 metres above sea level); a (minimum) 30 centimetre freeboard shall be incorporated into the design (i.e. the top of the flood protection works must be at least as high as  $60.8 + 0.30 = 61.1$  metres above sea level).
2. Provide drainage outlet(s) for rainfall and snowmelt runoff originating from within the protected area, and for any wind-driven overspray under high wind with high flow conditions on the river.
3. Design the project to include a combination of modified retaining walls, modified earth berms, new earth berms and other features that are mutually satisfactory to directly affected landowners, owners of adjacent properties, the City, and the RVCA.
4. Preserve, where applicable, opportunities to re-naturalize the shoreline of Britannia Bay in the future without compromising the integrity of the flood control works.
5. Ensure that groundwater flow from Britannia Bay to Mud Lake is not interrupted or interfered with as a result of the project; while it is not an objective of this project to control groundwater flow or seepage that causes basement dampness, wetness or flooding in existing homes in the benefitting area, existing problems must not be exacerbated as a result of this project.
6. Minimize overall cost while achieving all other objectives; contain the overall cost of the project to not more than \$670,000; overall cost includes:
  - a. engineering services
  - b. construction materials and fabrication costs
  - c. legal, land appraisal and land survey costs and compensation payments associated with easement negotiation and registration
  - d. administrative and project management costs incurred by RVCA and City of Ottawa