

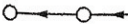








## Legend

-  QUALITY POND
-  QUANTITY POND
-  TRUNK STORM SEWER
-  M.T.R.C.A. FILL LINES (1994)
-  M.T.R.C.A. REGIONAL STORM FLOOD LINE
-  APPROXIMATE EXISTING DRAINAGE DIVIDES
-  STUDY AREA BOUNDARY

### CONCEPTUAL SWM GUIDELINES:

1. Stormwater management (SWM) criteria as per Town of Whitchurch-Stouffville Standards, August 15, 1991 and Stormwater Management Practices Planning and Design Manual by MOEE, June 1994. The SWM criteria can be summarized as follows:
  - Protection level 1 for quality controls.
  - Control post-development flows to their pre-development flows from the 2 year storm up to and including the 100 year storm for quantity control.
  - Implement erosion controls for downstream watercourses as required.
2. Preserve and utilize the natural drainage system by:
  - Locating SWM ponds and developments outside the MTRCA fill lines and outside priority greenlands.
  - Maintain existing drainage divides (i.e. minimize large earth moving operations).
3. Improve degraded drainage channels by natural channel design.
4. When feasible, route runoff from existing developed drainage areas without SWM facilities to SWM facilities of future developments.
5. The number and type of SWM facilities should be kept to a minimum to minimize overall maintenance costs while providing the required level of protection for the receiving watercourses.
6. Provide erosion and sediment controls during construction.
7. The above SWM guidelines have flexibility. However, to alter the SWM guidelines it must be demonstrated to the approval agencies that the altered SWM guidelines will not adversely effect the up and downstream areas.

### NOTE:

1. This drawing shows conceptually the minimum number of SWM ponds required. The exact size, location and number of SWM ponds will be dictated by the type and phasing of developments approved by the Secondary Plan. Also, the drawing shows SWM ponds which could be replaced by other SWM facilities satisfying the SWM criteria.
2. Base plan was supplied by MACAULEY SHIOMI HOWSON LTD.
3. M.T.R.C.A. Regional Storm Flood Lines are presently not available for the Little Rouge River north of Highway 47 and the Reesor Creek.

# Community of Stouffville SECONDARY PLAN

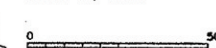
## Conceptual Stormwater Management Schematics



R.V. Anderson Associates Limited  
consulting engineers, architects, technology managers



CONSOLIDATED  
JUNE 11, 2007



Appendix 12-C