Stormwater Ponds

- 21 stormwater ponds being constructed within the TUC to manage road runoff
- Mimic natural watershed process of collecting and filtering runoff
- Measures in place to improve water quality before it enters the Elbow River
- Provide almost twice as much storage capacity in the project footprint as the disturbed wetlands
- Planted with local vegetation wetland species to mimic natural habitats
- Two ponds near Elbow River equipped with remotely controlled gates operated by the City to contain spills

North Elbow River Pond

1. SWCRR Inflow (from Sarcee Trail area)
2. Oil Grit Separator (captures pollutants)
3. Planted Area (trees and shrubs)
4. FOREBAY (spill containment area)
5. Inflow
6. Baffle Walls (traps floatables and hydrocarbons)
7. Scour Protection Pad (prevents erosion)
8. Southbound SWCRR
9. Weaselhead Road Tunnel
10. MAIN CELL (water quality improvement pond)
11. Forebay Outlet
12. Riprap Armouring (embankment protection)
13. Finger Dyke (controls flow to capture sediment)
14. Weaselhead Road
15. Weaselhead Road Inflow
16. Low Flow Channel Path
17. Water Monitoring Station
18. Bridge Guidebank (embankment protection)
19. Controlled Discharge (to river)
20. Storm Drain
21. Maincell Outlet
22. Wetland Zone (local species to filter water)
23. Valve (prevents backflow)
24. Emergency Spillway
25. Elbow River

For discussion purposes only – subject to change