Alternative #3 Local (Minor) Ditch Drainage System Improvements

Alt 3A: Local (minor) Ditch System Improvements

Alternative 3A includes re-ditching of the existing local ditch network and driveway culvert works to improve conveyance capacity for the ditch systems within the Saville Neighborhood. Potential future works include expanded ditch improvements within the broader Study Area.

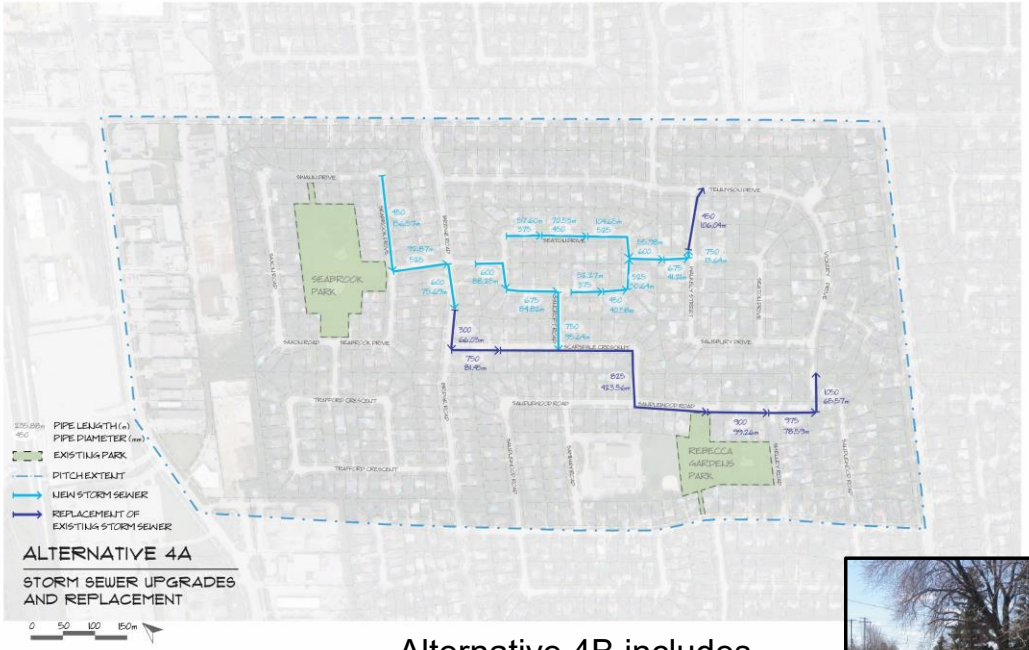
Alternative 3B includes LID/Green infrastructure within ditch network alongside ditch drainage and culvert improvements

Alt 3B: Local (minor) Ditch System Improvements with LID/Green Infrastructure enhancement (Bioswale)

Alternative #4 – Storm Sewer System Improvement

Alt 4A: Existing Storm Sewer Upgrades and Installation of New Storm Sewers

Alternative 4A includes upgrading or replacing deficient subsurface pipe networks

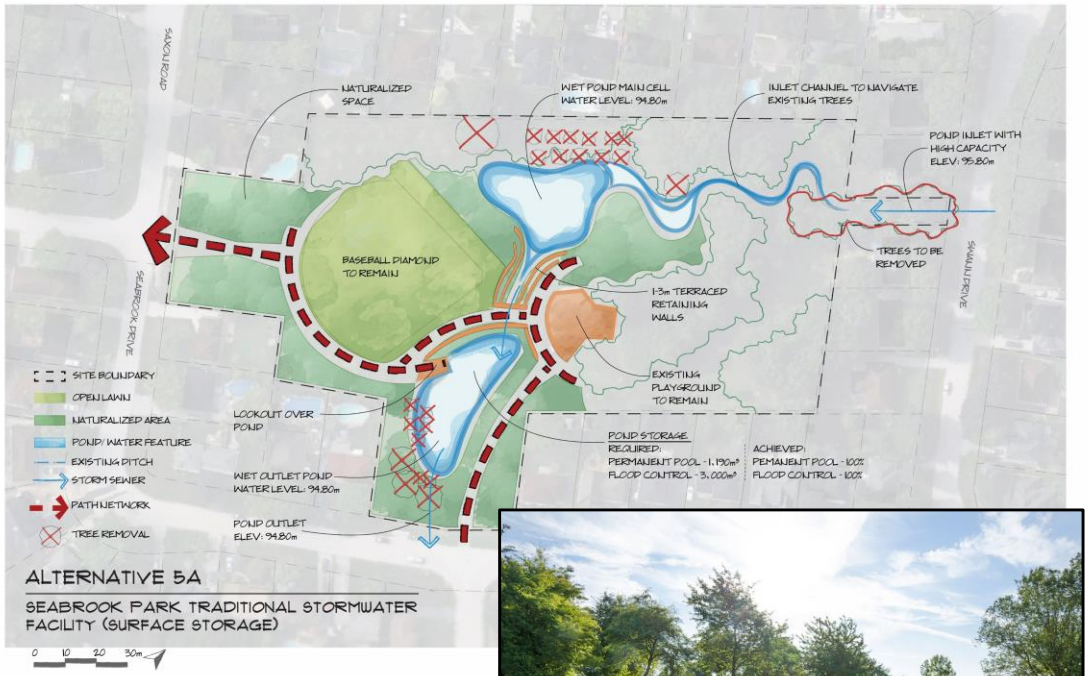


Alternative 4B includes incorporating LID/Green infrastructure alongside storm sewer enhancements (Perforated Pipe)

Alt 4B: LID/ Green Infrastructure enhancement (perforated pipe) to existing storm sewer upgrades and new storm sewers)

Note: Alt 4A/4B does not include urbanization of the Right -of-Way – Ditches to remain

Alternative #5A – Seabrook Park
Stormwater Pond Facility (Surface Storage)



Alternative 5A incorporates a stormwater management pond within Seabrook Park to reduce excess flows from entering the Saville Crescent Area.

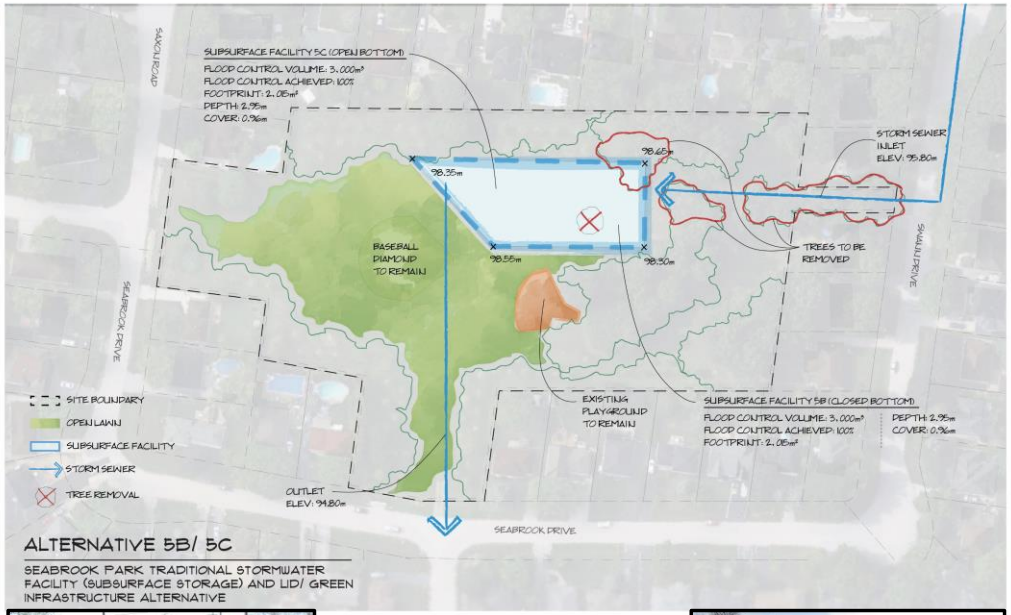
The proposed pond would have a permanent pool of water and planted with a mix of trees, shrubs, perennials, grasses, and aquatic vegetation

Storm flows from Swann Drive are intercepted and directed to the pond facility

Temporary storage of storm runoff is provided in the pond during large storms

The pond outlet provides a controlled release of flows to reduce downstream flooding impacts

Alternative #5B/C – Seabrook Park Subsurface Storage Facility



Alternative 5B/C incorporate a subsurface storage facility in the Seabrook Park to reduce excess flows from entering the Saville Crescent Area.

The surrounding park area would be restored to its original condition, with a mix of turf and trees

Storm flows from Swann Drive are intercepted and directed to the storage facility

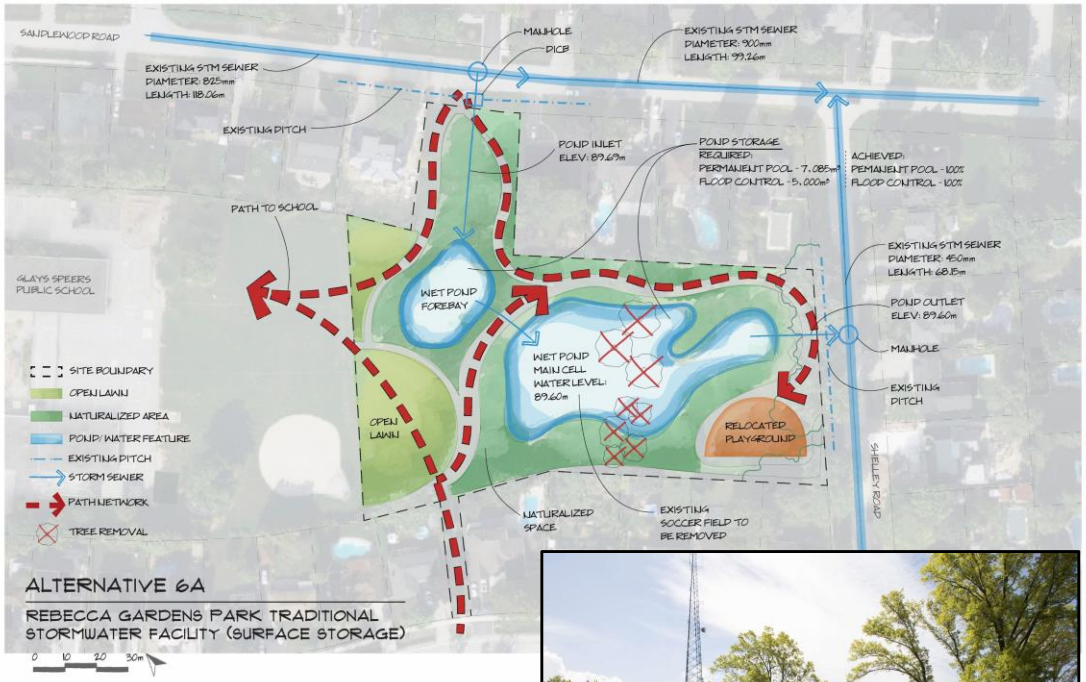
Temporary storage of storm runoff is provided in underground chambers during large storms

The chamber outlet provides a controlled release of flows to improve downstream flooding impacts

CLOSED BOTTOM FACILITY

OPEN BOTTOM FACILITY

Alternative #6A – Rebecca Gardens Park Stormwater Pond Facility (Surface Storage)



Alternative 6A incorporates a stormwater management pond within Rebecca Gardens Park

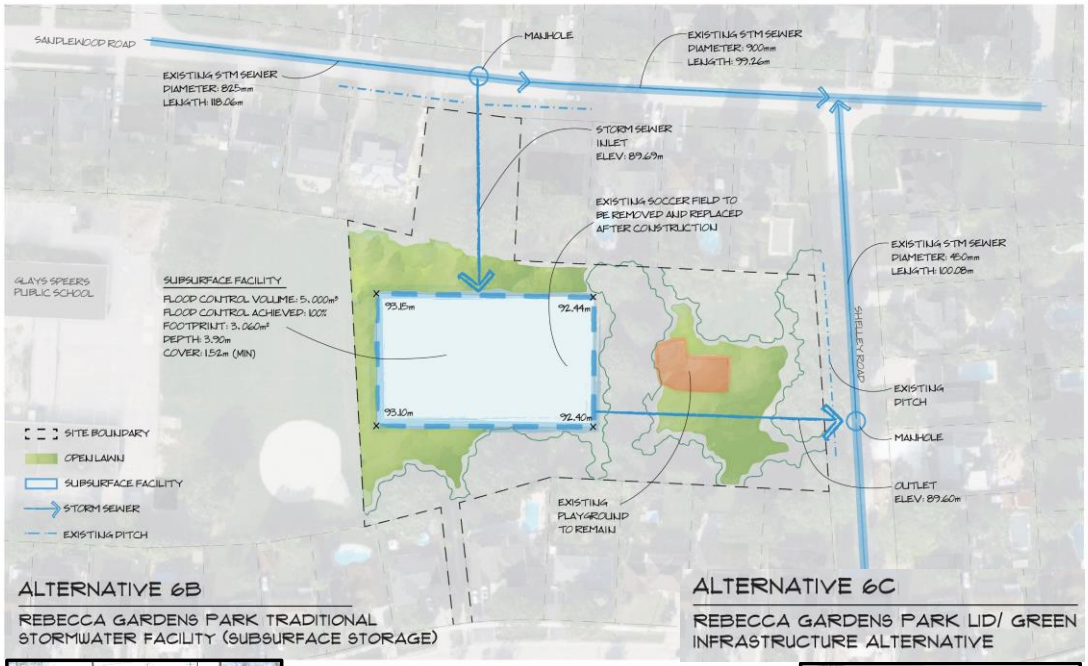
The proposed pond would have a permanent pool of water and planted with a mix of trees, shrubs, perennials, grasses, and aquatic vegetation.

Storm flows from Sandlewood Road are intercepted and directed to the pond facility

Temporary storage of storm runoff is provided in the pond during large storms

The pond outlet provides a controlled release of flows to improve downstream flooding impacts

Alternative #6B/C – Rebecca Gardens Park Subsurface Storage Facility



CLOSED BOTTOM FACILITY

OPEN BOTTOM FACILITY

Alternative 6B/C incorporates a subsurface storage facility within Rebecca Gardens Park.

The surrounding park area would be restored to its original condition, with a mix of turf and trees

Storm flows from Sandlewood Road are intercepted and directed to the storage facility

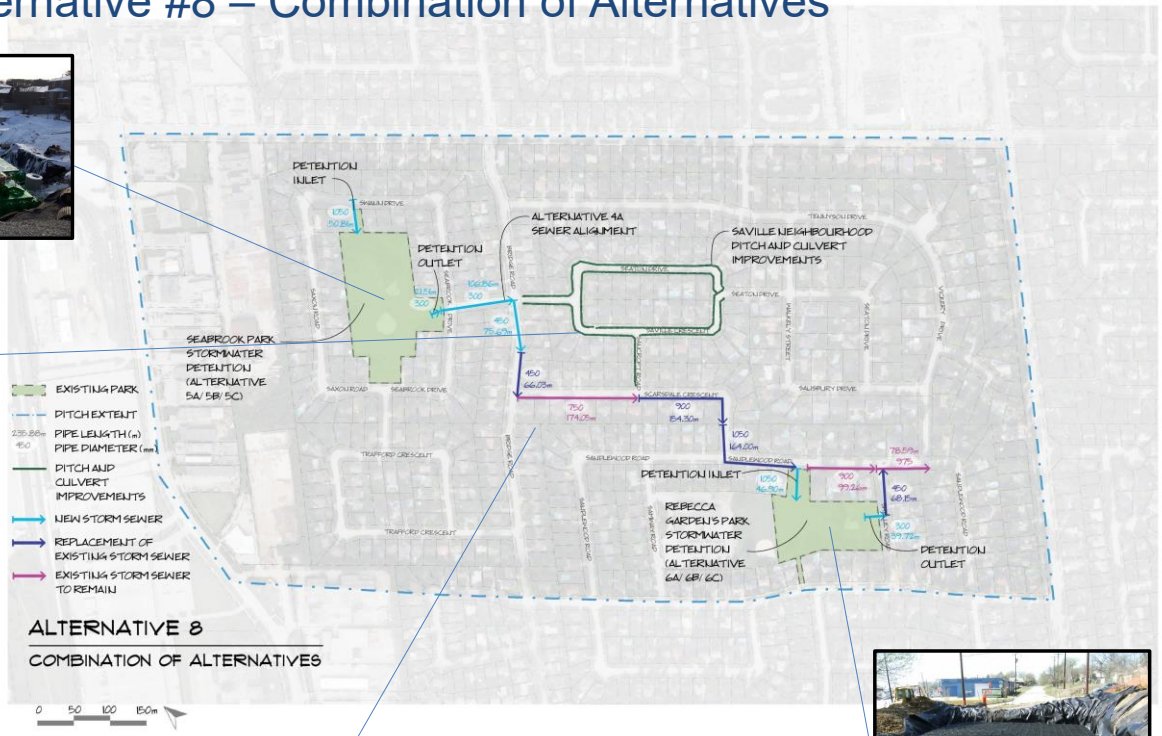
Temporary storage of storm runoff is provided in underground chambers during large storms

The chamber outlet provides a controlled release of flows to improve downstream flooding impacts

Alternative #8 – Combination of Alternatives

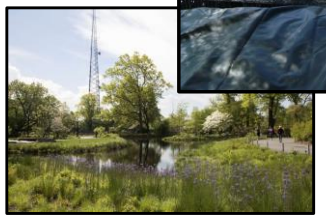
Alternative 5A/B/C:
Stormwater Detention Options within Seabrook Park with LID Features (Surface or subsurface facility options)

Alternative 3A:
Re-grade the existing local ditch network within Saville Crescent and Seaton Drive loop using green initiatives.



Alternative 4A:
Upgrading or replacing deficient subsurface pipe networks on Bridge Road, Scarsdale Crescent, Sandlewood Road.

Alternative 6A/B/C:
Stormwater Detention Facility within Rebecca Gardens Park (surface or subsurface facility options)



Notes:
- Alts 3, 5, and 6 will incorporate LID/ green infrastructure features where possible
- Sewer elements in Alt 4 in the Saville Crescent and Seaton Drive Loop are not incorporated in the proposed recommendation due to ditch system improvements proposed in Alt 3
- No urbanization of the Right -of-Way – Ditches to remain

Aquafor Beech Limited

Town of Oakville – Saville Area Stormwater System Improvement Study

OAKVILLE