



Edgeley Pond + Park

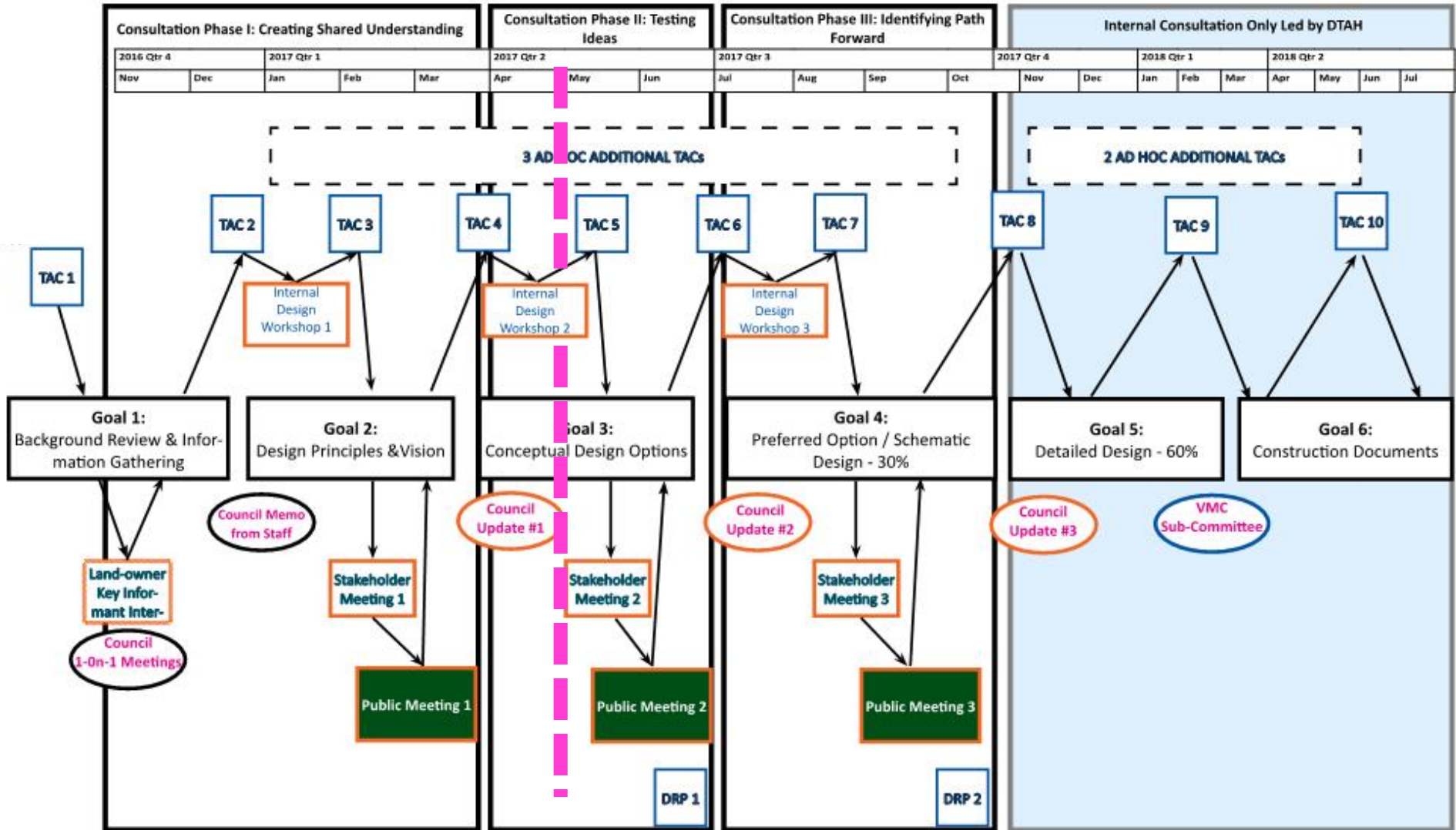
Stakeholder Meeting 02

April 26, 2017

Agenda

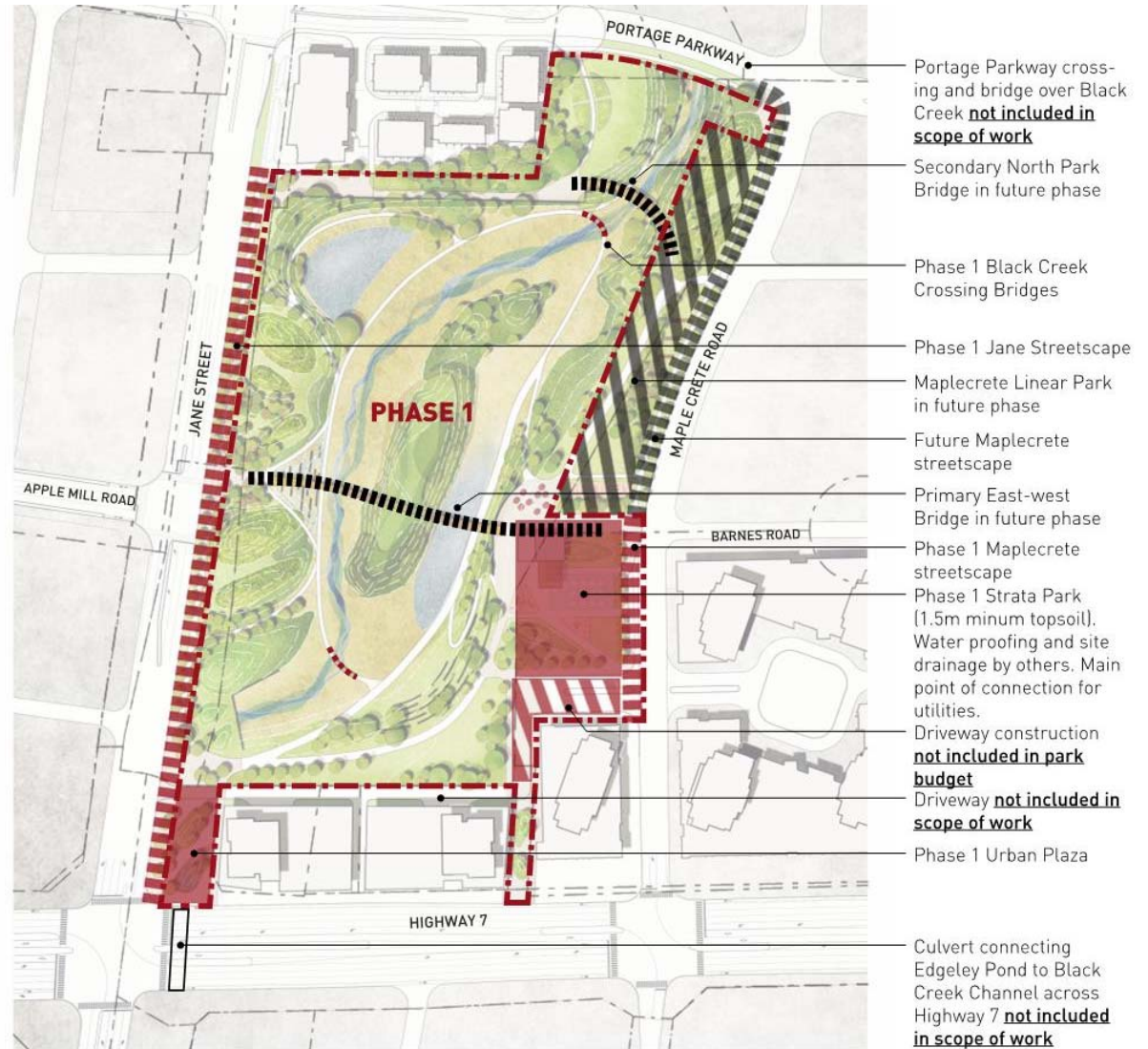
1. Design team status update
2. Common design elements / decisions in all three concepts
3. Concept review
 1. Concept 1 – Terraced Landforms
 2. Concept 2 – Sculpted Landforms
 3. Concept 3 – Basins + Clusters of Ecology
4. **Breakout discussions**
5. Group leads will summarize highlights from group discussions

Design Team Status Update



Edgeley Phasing

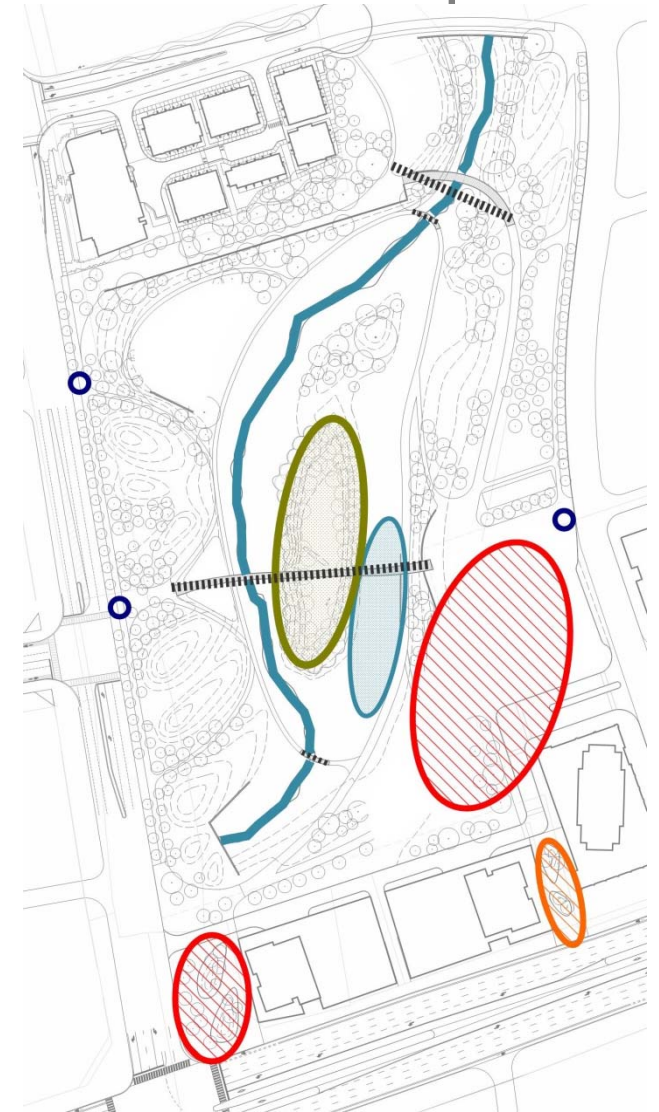
Phase 1 + Future Phases



Common Design Elements

Common design decisions made in all 3 concepts

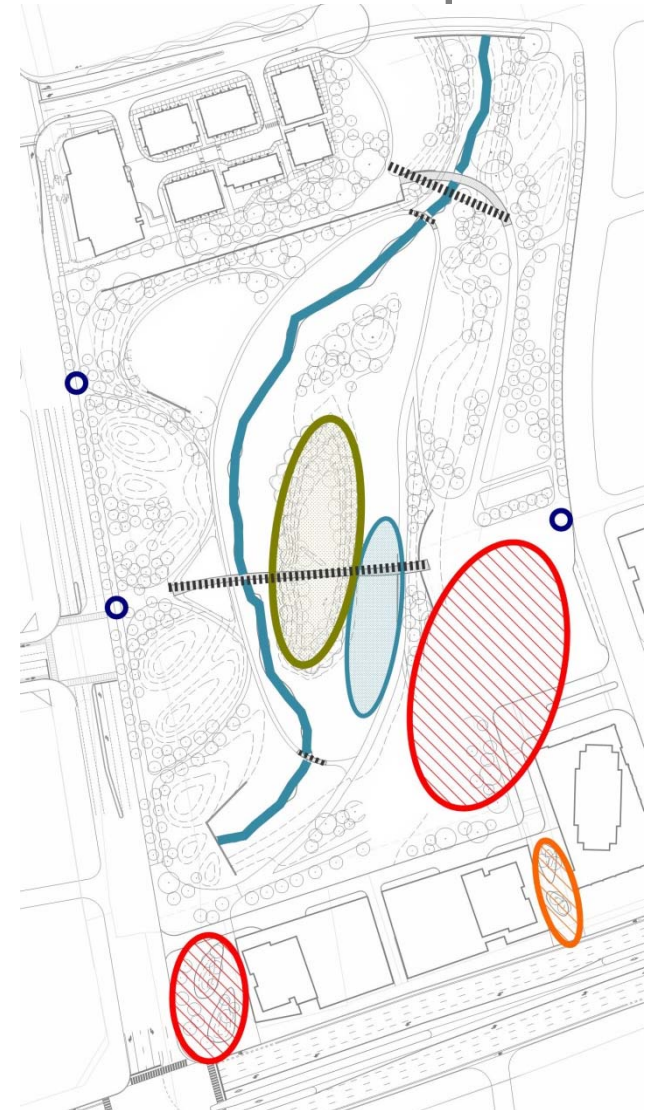
- All concepts propose using topography (hard and soft edges) to create spaces, access, organize/respond SWM.
- Black Creek on the west side
- Social / active programming on south east edge + urban plaza
- Open water on the east side
- Island is preserved
- OGS/ponds for all SWM inlets
- All design concepts will provide a hierarchy of bridge connections, focusing on the importance of a primary east-west bridge connection to Apple Mill Rd



Common Design Elements

Common design decisions made in all 3 concepts

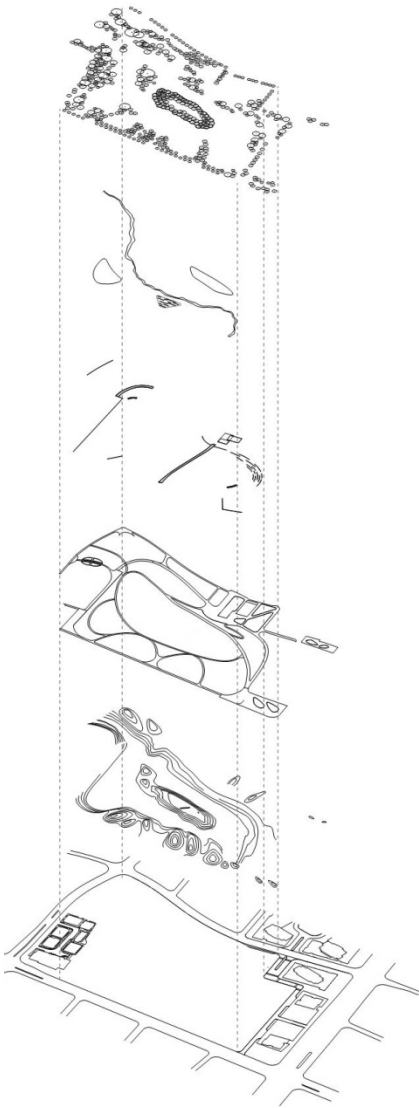
- Accessible pathways / loops
- All concepts have the ability to be phased
- Limit permanent structures in the floodplain
- Skating area
- Splash pad
- Adult exercise equipment/Sr and Jr play space
- Potential for dog off leash area
- Transitional SWM feature in plaza
- SWM treatment feature
- 2 primary pedestrian bridges
- Flexible open spaces
- All season WC + community room



Concept 1 – Sculpted Landforms

Unique program / design elements:

- Community gardens
- Integrated amphitheater
- 2 open water bodies
- Integrated shade structure with WC + community room facility
- Skating rink combined with splashpad
- Flexible lawn area at south/east edge



Concept 1 – Sculpted Landforms



Concept 1 – Sculpted Landforms

Circuits



Concept 1 – Sculpted Landforms

Dec 21



June 21



Concept 1 – Sculpted Landforms

50 Year Storm Event

1/3 of Peak Volume



2/3 of Peak Volume



Peak Volume



Concept 1 – Sculpted Landforms

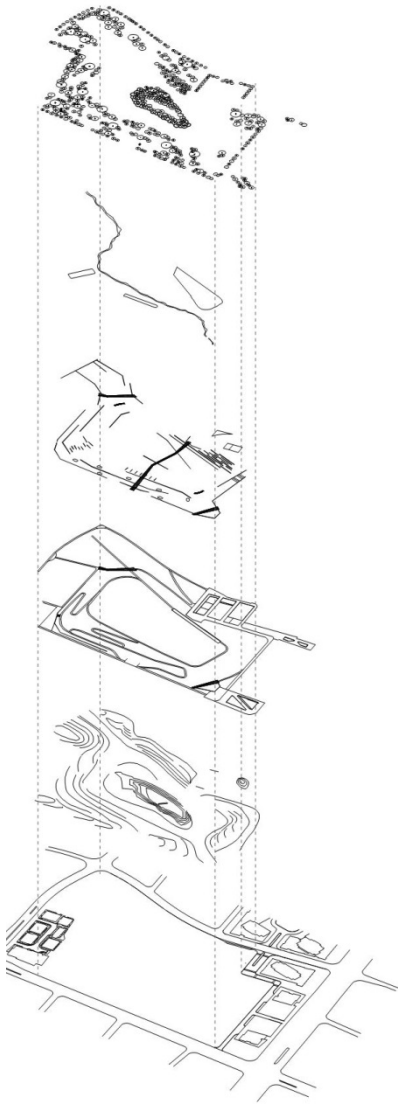
Rendering



Concept 2 – Terraced Landforms

Unique program / design elements:

- Integrated amphitheater seats / steps and promenade
- 1 main open water body
- Two integrated SWM treatment features
- 3 primary pedestrian bridges
- Independent shade structure
- Skating rink combined with splashpad
- Flexible lawn area at southern/eastern edge



Concept 2 – Terraced Landforms



Concept 2 – Terraced Landforms

Circuits



Concept 2 – Terraced Landforms

Dec 21



June 21



Concept 2 – Terraced Landforms

50 Year Storm Event

1/3 of Peak Volume

2/3 of Peak Volume

Peak Volume



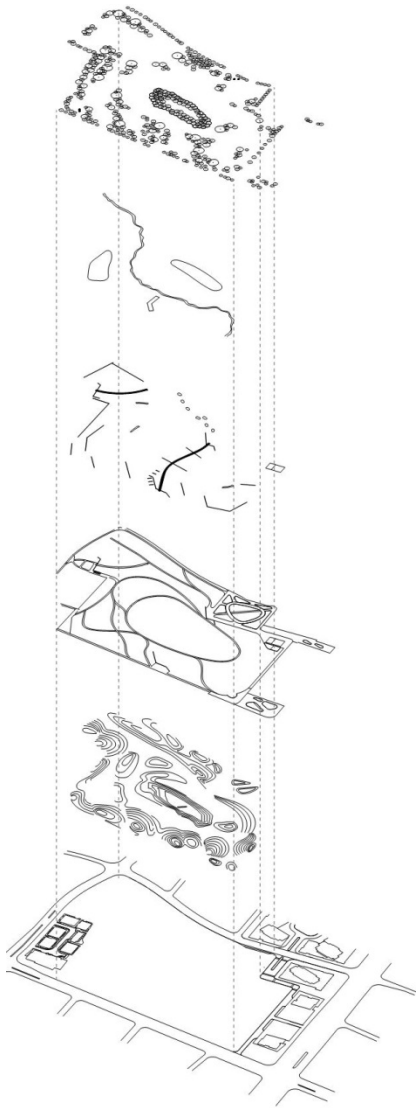
Concept 2 – Terraced Landforms Rendering



Concept 3 – Basins + Clusters of Ecology

Unique program / design elements:

- Community gardens
- Informal seating in the topography
- 2 open water bodies
- Additional minor pedestrian bridge in valley
- Splash pad
- Skating loop



Concept 3 – Basins + Clusters of Ecology



Concept 3 – Basins + Clusters of Ecology Circuits



Concept 3 – Basins + Clusters of Ecology

Dec 21



June 21



Concept 3 – Basins + Clusters of Ecology

50 Year Storm Event

1/3 of Peak Volume



2/3 of Peak Volume



Peak Volume



Concept 3 – Basins + Clusters of Ecology

Rendering



Next Steps

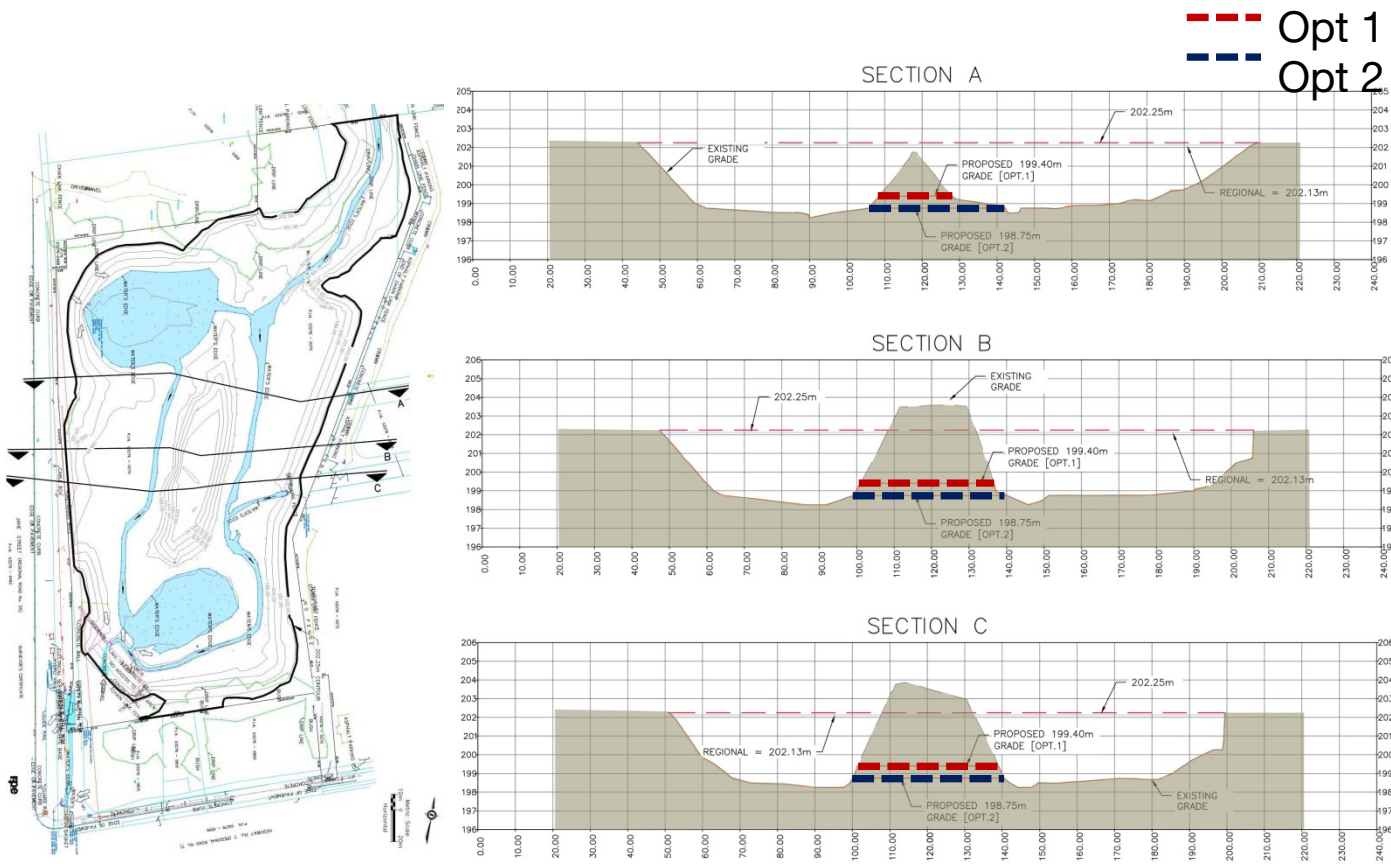
- Class 'D' cost estimates underway
- Public meeting on April 26th
- DRP with preferred option presented on May 25th
- Internal Design Workshop July 2017
- Final Stakeholder Meeting August 2017
- Final Public Meeting September 2017
- Detailed contract documents begin

Questions prior to breakout groups?

Technical Analysis

High Level Water Volume Analysis - Island

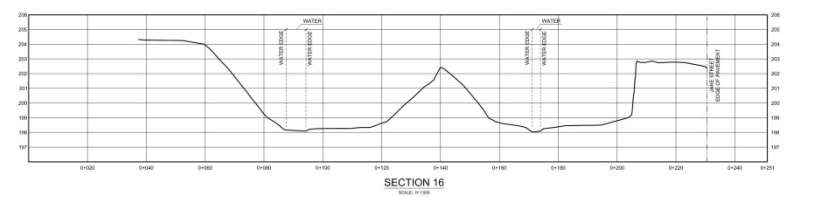
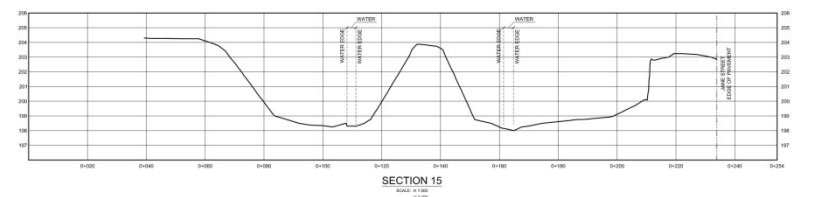
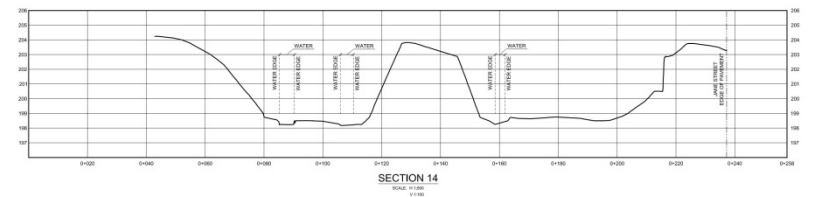
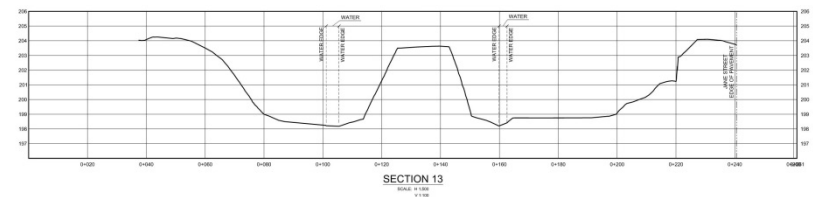
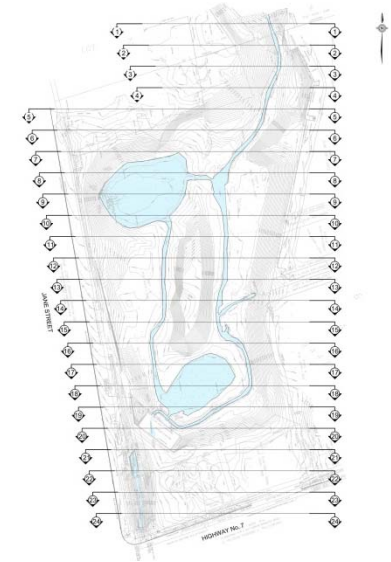
- Previously we presented the High Level Water Volume Analysis which analysed the impact of keeping the island, based on the current topography and weir structure, and found the impact to be minimal.



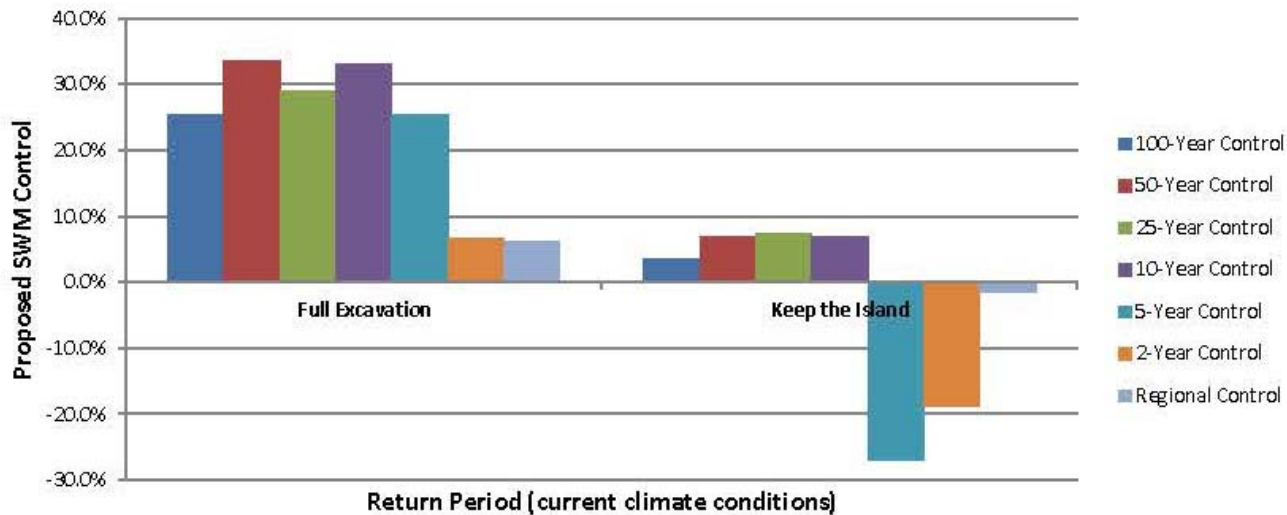
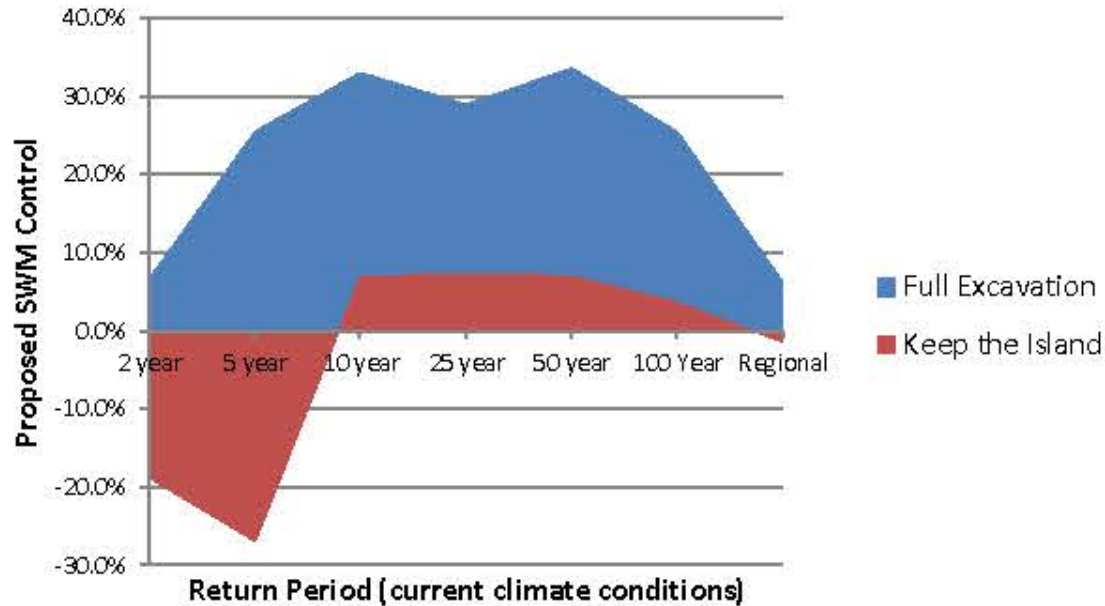
Preliminary Results

Hydrologic Modeling

- Hydrologic model developed based on the most recent Humber River Hydraulic Model for existing and future land use
- Two SWM modeling scenarios: “Full Excavation” and “Keep the Island”
- For the two SWM modeling scenarios, the models were run under current climate and climate change projections (20% increase in rainfall)



Preliminary Results Current Climate Conditions



Preliminary Results Climate Change (+20%)

