



# Toronto and Region Conservation Authority

## Board of Directors Meeting Agenda

#7/19

July 26, 2019

9:30 A.M.

HEAD OFFICE, 101 EXCHANGE AVENUE, VAUGHAN

### Pages

1. ACKNOWLEDGEMENT OF INDIGENOUS TERRITORY
2. MINUTES OF MEETING #6/19, HELD ON JUNE 21, 2019  
[Meeting Minutes Link](#)
3. BUSINESS ARISING FROM THE MINUTES
4. DISCLOSURE OF PECUNIARY INTEREST AND THE GENERAL NATURE THEREOF
5. DELEGATIONS
6. PRESENTATIONS
7. CORRESPONDENCE
8. EXECUTIVE COMMITTEE ELECTION FOR TWO CITY OF TORONTO REPRESENTATIVES

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An election for two vacant City of Toronto positions on TRCA's Executive Committee is required following the appointment of new City of Toronto members to TRCA's Board of Directors.

**9. SECTION I - ITEMS FOR BOARD OF DIRECTORS ACTION**

**9.1 REQUEST TO DELEGATE PERMIT APPROVAL AND CANCELLATION OF AUGUST 9, 2019 EXECUTIVE COMMITTEE MEETING**

14

The August 9, 2019 Executive Committee is proposed to be cancelled. Staff request the Board of Directors to delegate approval authority of all permits in the entire jurisdiction originally scheduled for the August 9, 2019 meeting to staff.

**9.2 VALLEY EROSION HAZARDS PROJECTS – 2019**

16

Submission of TRCA's proposed 2019 workplan for Valley Erosion Hazards Projects in accordance with the City of Toronto's Coordinated Watercourse Management Plan (2014) to address erosion damage to private and public lands arising from the July 8, 2013 storm and subsequent severe weather events in the City of Toronto.

**10. SECTION III - ITEMS FOR THE INFORMATION OF THE BOARD**

**11. MATERIAL FROM EXECUTIVE COMMITTEE MEETING # 6/19, HELD ON JULY 5, 2019**

[Meeting Minutes Link](#)

**11.1 SECTION I - ITEMS FOR BOARD OF DIRECTORS ACTION**

**11.1.1 REQUEST FOR TENDER FOR ASHBRIDGES BAY TREATMENT PLANT LANDFORM PROJECT – CONSTRUCTION OF EAST AND CENTRAL BREAKWATERS**

Award of Request for Tender (RFT) No. 10021138 for Construction of the East and Central Breakwaters as part of the Ashbridge's Bay Treatment Plant Landform Project. (Exec Minutes p. 2/38)

**11.1.2 ENCROACHMENT AGREEMENT WITH HEIDI FRANCIS FALCKH**

Request to enter into an encroachment agreement with Heidi Francis Falckh as a means of resolving an encroachment for an armour stone retaining wall and wooden deck structure partially located on Toronto and Region Conservation Authority (TRCA) owned land adjacent to 290 Nashville Road, City of Vaughan, Regional Municipality of York, Humber River watershed. (CFN 54792)(Exec Minutes p. 8/38)

**11.1.3 REQUEST FOR A PERMANENT EASEMENT, DERRYDOWNS PARK (BETWEEN 267 AND 273 DERRYDOWN ROAD), CITY OF TORONTO, HUMBER RIVER WATERSHED**

Receipt of a request from the City of Toronto, for a permanent easement on Toronto and Region Conservation Authority-owned lands required for a storm sewer for the City of Toronto's Basement Flooding Protection Program, located south of Finch Avenue West and east of Jane Street, known as Derrydowns Park (between 267 and 273 Derrydown Road), in the City of Toronto, Humber River watershed. (CFN 61735)(Exec Minutes p. 12/38)

**11.1.4 REQUEST FOR A PERMANENT EASEMENT, DERRYDOWNS PARK (BETWEEN 38 AND 44 FULWELL CRESCENT), CITY OF TORONTO, HUMBER RIVER WATERSHED**

Receipt of a request from the City of Toronto, for a permanent easement on Toronto and Region Conservation Authority-owned lands for a storm sewer for the City of Toronto's Basement Flooding Protection Program, located south of Finch Avenue West and east of Jane Street, known as Derrydowns Park (between 38 and 44 Fulwell Crescent), in the City of Toronto, Humber River watershed. (CFN 61736)(Exec Minutes p. 16/38)

**11.1.5 REQUEST FOR TENDER FOR TRUCKING AND DISPOSAL OF CITY OF TORONTO STORMWATER MANAGEMENT POND (SWMP) DREDGEATE**

Award of Request for Tender (RFT) No. 10020873 for the hauling and disposal of dredgeate from eight stormwater management ponds (SWMPs) throughout the City of Toronto on behalf of Toronto Water. (Exec Minutes p. 20/38)

**11.1.6 REQUEST FOR TENDER FOR SUPPLY AND INSTALLATION OF PEDESTRIAN BRIDGES AND MULTI-USE TRAIL FACILITIES**

Award of Request for Tender (RFT) No. 10009279 for the supply of all labour, equipment and materials necessary for the installation of three pedestrian bridges and connecting asphalt trail for Phase 1 of the Upper Highland Creek Pan Am Path Connection Project, in the City of Toronto. (Exec Minutes p. 23/38)

**12. CLOSED SESSION**

The Board of Directors shall enter into closed session, pursuant to Section C.4. of TRCA's Board of Directors Administrative By-law, as the subject matter consists of:

C.4.(e) Litigation or potential litigation, including matters before administrative tribunals

- being to discuss a staff report in regard to the status of TRCA staff involvement in Local Planning Appeal Tribunal appeals from August 2018 to June 2019; and
- being to discuss a staff report in regard to a summary of outstanding litigation files.

**13. NEW BUSINESS**

NEXT MEETING OF THE BOARD OF DIRECTORS #8/19, TO BE HELD ON FRIDAY, SEPTEMBER 27, 2019 AT 9:30 A.M. AT HEAD OFFICE, 101 EXCHANGE AVENUE, VAUGHAN

John MacKenzie, Chief Executive Officer

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## Item 8.

**TO:** Chair and Members of the Board of Directors  
Meeting #7/19, Friday, July 26, 2019

**FROM:** Michael Tolensky, Chief Financial and Operating Officer

**RE:** **EXECUTIVE COMMITTEE ELECTION FOR TWO CITY OF TORONTO REPRESENTATIVES**

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### KEY ISSUE

An election for two vacant City of Toronto positions on TRCA's Executive Committee is required following the appointment of new City of Toronto members to TRCA's Board of Directors.

### RECOMMENDATION

**IT IS RECOMMENDED THAT the Board of Directors receives this report regarding elections to TRCA's Executive Committee.**

### BACKGROUND

Following the appointment of City of Toronto members to TRCA's Board of Directors on July 16, 2019, there are two vacant City of Toronto positions on TRCA's Executive Committee which must be filled.

TRCA is governed by a 28 member Board of Directors and a 12 member Executive Committee. The Executive Committee meets once per month at TRCA Head Office (see Attachment 1).

Executive Committee Membership is comprised of:

- The Chair of the Board of Directors
- The Vice-Chair of the Board of Directors;
- Two (2) Board Members appointed by the Region of Durham, who may or may not be the Chair and/or Vice-Chair of the Board of Directors;
- Two (2) Board Members appointed by the Region of Peel, who may or may not be the Chair and/or Vice-Chair of the Board of Directors;
- Two (2) Board Members appointed by the Region of York, who may or may not be the Chair and/or Vice-Chair of the Board of Directors;
- Six (6) Board Members appointed by The City of Toronto, who may or may not be the Chair and/or Vice-Chair of the Board of Directors.

The Board of Directors has delegated certain powers to the Executive Committee related to:

- Contractual and purchasing/disposal (e.g., procurements with values between \$250,000 and \$500,000);
- Staff and legal (e.g., direction of staff);
- Financial (e.g., review and make recommendations to the Board of Directors on the budget); and
- Permit approvals

The full list of delegated powers is included in the Executive Committee Terms of Reference, Appendix 5 of the Board of Directors Administrative By-law (see Attachment 2).

### **RATIONALE**

Section B.10 of the Board of Directors Administrative By-law states:

*“Should a vacancy on the Executive Committee arise between Annual meetings, election for such positions will be held at the next regular meeting of the Board of Directors. All elections shall be in accordance with the Board of Directors Procedures for Election of Officials (Appendix 3).”*

### **Relationship to Building the Living City, the TRCA 2013-2022 Strategic Plan**

This report supports the following strategy set forth in the TRCA 2013-2022 Strategic Plan:  
**Strategy 7 – Build partnerships and new business models**

### **DETAILS OF WORK TO BE DONE**

An election for the two open positions shall be held at the July 26, 2019 meeting of the Board of Directors as per the procedure described in the Board of Directors Administrative By-law, Appendix 3 (see Attachment 2).

The next meeting of the Executive Committee is scheduled for August 9, 2019. However, the Board of Directors will consider a motion at its meeting of July 26, 2019 to cancel the August meeting, in which case the Executive Committee will meet next on September, 6, 2019.

**Report prepared by: Andrew Farnsworth, extension 5671**

**Emails: Andrew.farnsworth@trca.ca**

**For Information contact: Andrew Farnsworth, extension 5671**

**Emails: andrew.farnsworth@trca.ca**

**Date: July 16, 2019**

**Attachments: 3**

Attachment 1: TRCA Board of Directors and Executive Committee meeting schedule, 2019-2020.

Attachment 2: Board of Directors Administrative By-law, Appendix 5 – Executive Committee Terms of Reference

Attachment 3: Board of Directors Administrative By-law, Appendix 3 – Procedures for Election of Officers

# TORONTO AND REGION CONSERVATION AUTHORITY 2019-2020 SCHEDULE OF MEETINGS

## BOARD OF DIRECTORS AND EXECUTIVE COMMITTEE

January '19						
Su	M	Tu	W	Th	F	Sa
		1	2	3	BoD #10/18 4	5
6	7	8	9	10	EXEC #11/18 11	12
13	14	15	16	17	18	19
20	21	22	23	24	ANNUAL BoD #1/19 25	26
27	28	29	30	31		

February '19						
Su	M	Tu	W	Th	F	Sa
					1	2
3	4	5	6	7	EXEC #1/19 8	9
10	11	12	13	14	15	16
17	18	19	20	21	BoD #2/19 22	23
24	25	26	27	28		

March '19						
Su	M	Tu	W	Th	F	Sa
					EXEC #2/19 1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	BoD #3/19 29	30
31						

April '19						
Su	M	Tu	W	Th	F	Sa
	1	2	3	4	EXEC #3/19 5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	BoD #4/19 26	27
28	29	30				

May '19						
Su	M	Tu	W	Th	F	Sa
			1	2	EXEC #4/19 3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	BoD #5/19 24	25
26	27	28	29	30	31	

June '19						
Su	M	Tu	W	Th	F	Sa
						1
2	3	4	5	6	EXEC #5/19 7	8
9	10	11	12	13	14	15
16	17	18	19	20	BoD #6/19 21	22
23	24	25	26	27	28	29
30						

July '19						
Su	M	Tu	W	Th	F	Sa
	1	2	3	4	EXEC #6/19 5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	BoD #7/19 26	27
28	29	30	31			

August '19						
Su	M	Tu	W	Th	F	Sa
				1	2	3
4	5	6	7	8	EXEC #7/19 9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

September '19						
Su	M	Tu	W	Th	F	Sa
1	2	3	4	5	EXEC #8/19 6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	BoD #8/19 27	28
29	30					

October '19						
Su	M	Tu	W	Th	F	Sa
		1	2	3	EXEC #9/19 4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	BoD #9/19 25	26
27	28	29	30	31		

November '19						
Su	M	Tu	W	Th	F	Sa
					EXEC #10/19 1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	BoD #10/19 29	30

December '19						
Su	M	Tu	W	Th	F	Sa
1	2	3	4	5	EXEC #11/19 6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

January '20						
Su	M	Tu	W	Th	F	Sa
			1	2	3	4
5	6	7	8	9	BoD #11/19 10	11
12	13	14	15	16	EXEC #12/19 17	18
19	20	21	22	23	BoD #12/19 24	25
26	27	28	29	30	31	

February '20						
Su	M	Tu	W	Th	F	Sa
						1
2	3	4	5	6	EXEC #13/19 7	8
9	10	11	12	13	14	15
16	17	18	19	20	ANNUAL BoD #1/20 21	22
23	24	25	26	27	28	29

BoD

EXEC

= Board of Directors

= Executive Committee

All meetings will be held at TRCA's Head Office at 101 Exchange Ave., Vaughan at 9:30 a.m., unless otherwise noted on the agenda.

Statutory Holidays

March Break (for information, as scheduled by the Ministry of Education; not a holiday)

TRCA meeting schedule also available online on TRCA's Board Meetings page.

## Appendix 5 – Executive Committee Terms of Reference

As per Sections B.10 and B.11 of the By-law, the Board of Directors shall approve the terms of reference for advisory boards and committees, which shall include the role, the frequency of meetings and the number of members required.

The Board of Directors may delegate to the Executive Committee any of its powers except the following, as per Section 19.1 (1)(d) of the *Act*:

- i. The termination of the services of the Chief Executive Officer and/or Secretary-Treasurer,
- ii. The power to raise money, and
- iii. The power to enter into contracts or agreements other than those contracts or agreements as are necessarily incidental to the works approved by the Board of Directors.

The Board of Directors delegates the following powers to the Executive Committee, and reserves the right to delegate any other such powers as the Board of Directors determines appropriate, such that it is in keeping with the Board of Directors Administrative By-law and the *Conservation Authorities Act*.

Should the timing be such that staff is unable to report to the Executive Committee on the following matters, staff may report to the Board of Directors instead, with the exception of Section 28 and Hearing Board matters, covered under Section 5 below.

### 1. *Contractual and Purchasing/Disposal*

- 1.1. To award and enter into contracts or agreements which are not for the acquisition or disposition of land but which are either necessarily incidental to a project approved pursuant to the *Act* or necessarily incidental to the works approved by the Board of Directors, in accordance with the specific monetary limits set by the Board of Directors and in accordance with the policies and procedures established by the Board of Directors.
- 1.2. Review and make recommendations to the Board of Directors on: any proposed acquisition, expropriation or disposition of land, and entering into contracts or agreements for the acquisition, expropriation or disposition of land subject to the requirements under the *Act*.
- 1.3. Review and make recommendation to the Board of Directors on any requests for disposal of TRCA-owned land.
- 1.4. Authorize the purchase of goods, equipment or services necessary for carrying on the work of TRCA within the approved TRCA budget in accordance with the specific monetary limits set by the Board of Directors and in accordance with the policies and procedures established by the Board of Directors.
- 1.5. Authorize the disposal of TRCA assets in accordance with the specific monetary limits set by the Board of Directors and in accordance with the policies and procedures established by the Board of Directors.
- 1.6. Termination of agricultural leases as designated in the Sustainable Near-urban Agriculture policy.

## **2. Staff and Legal**

- 2.1.** Authorize TRCA participation in Local Planning Appeal Tribunals and other tribunals on planning and development matters, and receipt of updates on activities from such tribunals.
- 2.2.** Direct the staff of TRCA to accomplish an Executive Committee directive or report back as required.

## **3. Financial**

- 3.1.** Review and make recommendations to the Board of Directors on the investment and reserve policies.
- 3.2.** Review and make recommendations to the Board of Directors on all matters relating to preliminary estimates, budget, financial statements and related matters, including but not limited to:
  - 3.2.1.** preliminary estimates;
  - 3.2.2.** budget guidelines;
  - 3.2.3.** annual and multi-year business plans;
  - 3.2.4.** banking;
  - 3.2.5.** audited financial statements from the preceding year;
  - 3.2.6.** financial progress and expenditure reports;
  - 3.2.7.** financial procedures; and
  - 3.2.8.** financial policy documents relating to, but not limited to, the above.
- 3.3.** Perform the functions of an audit committee;
- 3.4.** Approval for disposition of surplus project funds when a project is completed and TRCA is unable to make contact with the donor/grantor for approval to redistribute.
- 3.5.** Approval to write-off receivables and other approval requirements of the Accounts Receivable policy, in accordance with specific dollar limits set by the Board of Directors.
- 3.6.** Approval of annual report regarding Senior Leadership Team travel expenses in accordance with the specific monetary limits and travel expenses policy(s) and procedures set by the Chief Executive Officer.

## **4. General**

- 4.1.** Approve the minutes of a previous meeting of the Executive Committee.
- 4.2.** Exercise such additional powers, excluding those powers set out in Section B.1.c) of the By-law and noted above in the Terms of Reference, as may be assigned to it by the Board of Directors during the month of August, provided that a report be given to the Board of Directors for receipt at the first meeting of the Board of Directors thereafter.
- 4.3.** The Executive Committee may appoint sub-committees from among the Board Members to study, consider and report back to the Executive Committee on any subject over which the Executive Committee has jurisdiction.



- 4.4. Hearing of representations from benefitting owners with regard to any aspect of the erosion control programs in accordance with procedures adopted by Authority Resolution #18/80. May occur at Board of Directors meetings if required due to timing constraints.
- 4.5. Recommend and report to the Board of Directors on all matters not within the jurisdiction of an advisory board or which may be assigned to it by the Board of Directors.
- 4.6. All other such other matters as may be prescribed by regulation, policy or TRCA's Secretary-Treasurer.

## 5. *Section 28(1)*

- 5.1. Positive permit approvals subject to any limitations or requirements that may be prescribed by regulation.
- 5.2. Appointment of Enforcement Officers for the purposes of ensuring compliance with the *Act* and the regulations.
- 5.3. Review and recommend to the Board of Directors regulations for the TRCA jurisdiction.
- 5.4. Act as a Hearing Board, subject to any limitations or requirements that may be prescribed by regulation or other law. TRCA shall use the Ministry of Natural Resources and Forestry/Conservation Ontario Hearing Guidelines (October 2005, Amended 2018) as outlined in Attachment 1 to the Executive Committee Terms of Reference, as a guideline for conducting hearings.

## 6. *Frequency of Meetings*

The meeting schedule of the Executive Committee shall be approved annually by the Board of Directors for the upcoming year. The Committee shall meet monthly, or at a minimum of six times per year.

The Committee may act as a Hearing Board as noted in Section 5.4., and in this capacity shall meet as required.

## 7. *Membership*

- 7.1. the Chair of the Board of Directors (elected annually);
- 7.2. the Vice-Chair of the Board of Directors (elected annually);
- 7.3. two Board Members appointed by the Region of Durham, who may or may not be the Chair and/or Vice-Chair of the Board of Directors;
- 7.4. two Board Members appointed by the Region of Peel, who may or may not be the Chair and/or Vice-Chair of the Board of Directors;
- 7.5. two Board Members appointed by the Region of York, who may or may not be the Chair and/or Vice-Chair of the Board of Directors;
- 7.6. six Board Members appointed by The City of Toronto, who may or may not be the Chair and/or Vice-Chair of the Board of Directors.

If the Board Member appointed by the Township of Adjala/Tosorontio and Town of Mono is elected or appointed as Chair or Vice-Chair of the Board of Directors then such Board Member shall be a member of the Executive Committee in addition to those members set out in paragraphs 7.1 – 7.6, inclusive, resulting in a 13 Member Executive Committee.

## Appendix 3 - Procedures for Election of Officers

### 1. *Voting*

All votes shall be conducted in public session by open vote, and shall be recorded. No Board Member may vote by proxy.

### 2. *Acting Chair*

The Clerk or designate shall be Acting Chair or Returning Officer, for the purpose of Election of Officers.

### 3. *Scrutineer(s)*

The appointment of two scrutineers, along with the Acting Chair, is required by motion for the purpose of counting the show of hands, should an election be required. The Acting Chair shall call a motion for the appointment of two persons, who are not Board Members, in addition to themselves, to act as scrutineers. A Board Member, who will not stand for election, may be appointed as an additional scrutineer if requested. Due to the open voting, a TRCA staff member may be appointed as scrutineer(s).

### 4. *Election Procedures*

The Acting Clerk shall advise the Board Members that the election will be conducted in accordance with the *Conservation Authorities Act* and the Board of Directors Administrative By-law as follows:

- a) The elections shall be conducted in the following order:
  - i. Election of the Chair, who shall be a Board Member;
  - ii. Election of the Vice-Chair, who shall be a Board Member;
  - iii. Election of the remaining Members of the Executive Committee, if required.
- b) The Acting Chair shall ask for nominations to each position;
- c) Only current Board Members who are present may vote;
- d) Nominations shall be called three times and will only require a mover;
- e) The closing of nominations shall require both a mover and a seconder;
- f) Each Board Member nominated shall be asked to accept the nomination. The Board Member must be present to accept the nomination unless the Board Member has advised the Secretary-Treasurer in writing in advance of the election of their willingness to accept the nomination.
- g) Once voting commences, the only motion permitted will be a motion to recess.

#### **If one Nominee:**

- h) If only one Nominee the individual shall be declared into the position by acclamation.

### Two Nominees only:

- i) In the event of an election, each Nominee shall be permitted not more than three minutes to speak for the office, in the order of the alphabetical listing by surnames.
- j) Upon the acceptance by Nominees to stand for election to the position of office, the Acting Chair will list the names of all Nominees in alphabetical order of surnames and will conduct voting in that order. The Acting Chair will call for a vote on the first name and Board Members will stand if they wish to vote for the Nominee. The Acting Chair will state the names of those standing and the scrutineers will record the results.
- k) There shall be one Nominee vote per Board Member per round of voting. A Board Member's first vote is deemed to be the Board Member's vote. If a Board Member votes a second time in the same round of voting, the Acting Chair shall advise the Board Member and the Board Member's vote shall not count. The exception is voting where multiple Nominees are to be elected for positions, as noted in Procedures (o) – (s) below.
- l) The Nominee who receives a majority of votes is appointed by resolution to the position.
- m) If there is a tie vote, the Acting Chair shall declare a 10-minute recess to allow the Board of Directors time to consider the matter, after which the vote shall be retaken. If the vote is again tied, the Acting Chair shall decide by lot the successful Nominee. The person whose name is drawn is appointed by resolution to the position.

### Three or more Nominees:

- n) First and successive votes:
  - i. The Nominee who receives a majority of votes is appointed by resolution to the position.
  - ii. If no Nominee receives a majority of votes, the Nominee with the least number of votes shall be excluded from subsequent voting and the Board of Directors shall proceed with the next round of voting.
  - iii. If there is a tie vote with respect to the Nominees receiving the least number of votes, the Acting Chair shall recess the meeting for a period of 10 minutes, after which the Acting Chair shall conduct another vote, and if there is still an equality of votes, then a lot shall be conducted until there is one name not drawn, and the name (or names) drawn shall go forward to the next round of voting, and the name not drawn shall be excluded from subsequent rounds of voting.
  - iv. When there are only two Nominees remaining, the procedure for Two Nominees only [procedures (i) – (m)] shall apply.

### Multiple Nominees to be elected

- o) If there are more Nominees than the number of available positions, the Acting Chair will list the names of all Nominees in alphabetical order of surnames and will conduct voting in that order. The Acting Chair will call for a vote on the first name and Board Members will stand if they wish to vote for the Nominee. The Acting Chair will state the names of those standing and the scrutineers will record the results.
- p) Each Board Member may vote for a total number of nominees as positions available. A Board Member's first vote(s) for the available positions is deemed to be the Board Member's vote(s). If a Board Member votes more times than the number of positions available in the same round of voting, the Acting Chair shall advise the Board Member and these vote(s) shall not count.
- q) The Nominee(s) who receive a majority of votes for the number of available positions are appointed by resolution to the positions.
- r) If no Nominee receives a majority of votes for any of the positions remaining after those who have been elected as per clause (q) above, the Nominee with the least number of votes shall be excluded from subsequent voting and the Board of Directors shall proceed with the next round of voting if necessary.
- s) If there is a tie vote with respect to the Nominees receiving the least number of votes, the Acting Chair shall recess the meeting for a period of 10 minutes, after which the Acting Chair shall conduct another vote, and if there is still an equality of votes, then a lot shall be conducted until there is one name not drawn, and the name (or names) drawn shall go forward to the next round of voting, and the name not drawn shall be excluded from subsequent rounds of voting.

The Acting Chair shall announce the results of the voting, naming the candidates and the number of votes cast for each candidate.

## Item 9.1.

### Section I – Items for Board of Directors Action

**TO:** Chair and Members of the Board of Directors  
Meeting #7/19, Friday, July 26, 2019

**FROM:** Laurie Nelson, Director, Policy Planning

**RE:** **REQUEST TO DELEGATE PERMIT APPROVAL AND CANCELLATION OF  
AUGUST 9, 2019 EXECUTIVE COMMITTEE MEETING**

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#### KEY ISSUE

The August 9, 2019 Executive Committee is proposed to be cancelled. Staff request the Board of Directors to delegate approval authority of all permits in the entire jurisdiction originally scheduled for the August 9, 2019 meeting to staff.

#### RECOMMENDATION

**WHEREAS** as a matter of new business at the July 9, 2019 Executive Committee, questions were raised about whether the August Executive meeting was necessary or could be cancelled subject to delegating authority for permit approvals to staff;

**WHEREAS** the August 9, 2019 Executive Committee meeting is herein proposed to be cancelled;

**AND WHEREAS** the timely issuance of multiple TRCA permits across our jurisdiction in the summer construction season is necessary;

**THEREFORE, LET IT BE RESOLVED THAT** the approval of all major development and infrastructure permits within the TRCA's regulatory jurisdiction originally scheduled for the August 9, 2019 Executive Committee meeting be delegated to the Director, Development and Engineering Services.

**AND FURTHER THAT** the August 9, 2019 meeting of the Executive Committee be cancelled.

#### BACKGROUND

At Board of Directors Meeting #2/16, held on April 1, 2016, Resolution #A28/16 was approved as follows:

*WHEREAS Toronto and Region Conservation Authority (TRCA) administers Ontario Regulation 166/06, as amended, "Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Regulation" under Section 28(1) of the Conservation Authorities Act;*

*AND WHEREAS the Conservation Authorities Act and Ontario Regulation 166/06, as amended, enables TRCA to approve permits with or without conditions;...*

*THEREFORE, LET IT BE RESOLVED THAT the Standard Permit Conditions as outlined in this staff report be endorsed and applied to all future permits approved by TRCA pursuant to Ontario Regulation 166/06, as amended;...*

## Item 9.1.

*THAT staff be directed to prepare additional Application-Specific Permit Conditions to be considered on individual permit applications before the Executive Committee, as may be required from time to time at the discretion of staff, in consultation with TRCA's legal counsel, depending on the unique circumstances of the individual application;...*

Based on discussion at the July 9, 2019 Executive Committee meeting and follow up discussions with Board members, the August 9, 2019 Executive Committee meeting is proposed to be cancelled. There are "major" permits within the TRCA's regulatory jurisdiction scheduled for approval at this meeting.

### **RATIONALE**

Given that the busy summer construction season results in a high volume of permit approval requests, and the proposed cancellation of the August 9, 2019 Executive Committee meeting, staff request an exception to Resolution #A28/16 to allow for the approval of all "major" development and infrastructure permits within the TRCA's regulatory jurisdiction originally scheduled for the August 9, 2019 Executive Committee meeting to be delegated to the Director, Development and Engineering Services.

### **Relationship to Building the Living City, the TRCA 2013-2022 Strategic Plan**

This report supports the following strategy set forth in the TRCA 2013-2022 Strategic Plan:  
**Strategy 7 – Build partnerships and new business models**

### **FINANCIAL DETAILS**

Account Code 105-82 has been established to fund for TRCA's permitting. This account is funded by permit application fees.

### **DETAILS OF WORK TO BE DONE**

Staff will continue to work with proponents of "major" permit applications to ensure their timely approval upon satisfaction that the applications meet the five tests of O. Reg. 166/06.

Staff are also examining the issue of holding summer Board of Directors and Executive Committee meetings when municipal councils are typically recessed and will report back on proposed approaches and suggestions at a future Board of Directors meeting.

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**Date: July 5, 2019**

### Section I – Items for Board of Directors Action

**TO:** Chair and Members of the Board of Directors  
Meeting #7/19, Friday, July 26, 2019

**FROM:** Moranne McDonnell, Director, Restoration and Infrastructure

**RE:** **VALLEY EROSION HAZARDS PROJECTS – 2019**  
Proposed 2019 Workplan to Address Erosion and Slope Instability Hazards  
Arising from Severe Weather Events in the City of Toronto

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#### KEY ISSUE

Submission of TRCA's proposed 2019 workplan for Valley Erosion Hazards Projects in accordance with the City of Toronto's Coordinated Watercourse Management Plan (2014) to address erosion damage to private and public lands arising from the July 8, 2013 storm and subsequent severe weather events in the City of Toronto.

#### RECOMMENDATION

**WHEREAS** Toronto and Region Conservation Authority (TRCA) staff has reported to the Authority Board at least annually on the management of erosion and slope instability hazards related to the July 8, 2013 storm and subsequent severe weather events since Authority Meeting #6/13, held on July 26, 2013, and most recently at Authority Meeting #4/18, held on May 25, 2018;

**AND WHEREAS** staff was directed at Authority Meeting #5/17 by Resolution #A101/17 to pursue additional sources of funding from the Province of Ontario and federal government for erosion control works;

**AND WHEREAS** staff was directed at Authority Meeting #4/18 by Resolution #A74/18 to allocate 5% of the funding to lower priority sites where proactive and/or minor works may prevent significant future damage to, or loss of, property;

**THEREFORE LET IT BE RESOLVED THAT** staff continue to pursue additional sources of funding from the Province of Ontario and federal government for erosion control works;

**THAT** staff continue to allocate approximately 3 to 5% of the available funding for 2019 to lower priority sites where proactive and/or minor works may prevent significant future damage to or loss of property;

**THAT** staff proceed with the new and ongoing projects as outlined in the proposed 2019 workplan described in Attachment 1;

**THAT** staff be permitted to make in-year adjustments to the workplan as required as more information is received from geotechnical investigations, engineering analyses, or in response to delays due to negotiations with landowners and other factors, or should subsequent storm events worsen conditions at certain sites;

**AND FURTHER THAT** a copy of this report be provided to Toronto Water in compliance with the City of Toronto's 2014 Coordinated Watercourse Management Plan.



## Item 9.2.

### **BACKGROUND**

TRCA has been inventorying, assessing and remediating erosion hazards for more than 30 years under various program names and special projects. In recent years, intensifying storm events such as the July 8, 2013 severe storm, the May 2017 severe rain event, and the high Lake Ontario water levels along the waterfront in 2019 have resulted in more frequent widespread flooding, surcharges of water infrastructure, debris jams, damage to river & valley systems including extensive damage to park trails and pedestrian bridges, and an unprecedented number of slope failures on hundreds of private properties that border these natural areas. The result of these intensifying and more severe weather events has been a significant increase in the number of erosion hazard sites in the City of Toronto which are awaiting assistance through TRCA's Erosion Risk Management Program (ERMP). Through this long-standing program, TRCA supports its municipal partners to more effectively deal with the effects of climate change by mitigating past development decisions with cost-effective solutions to protect essential infrastructure.

On July 26, 2013, staff brought the first post-storm erosion damage report to Authority Meeting #6/13, providing an overview of the information collected to date with recommendations for further action. Staff has continued to submit mid-year and/or annual reports to the Authority Board since 2013. Staff will continue to provide mid-year and/or annual updates to the Board of Directors as appropriate in order to communicate TRCA's proposed workplan for Valley Erosion Hazards Projects using Critical Erosion and Floodworks funding in the City of Toronto.

### **RATIONALE**

The 2019 workplan outlines the status of each project currently in progress or proposed with 2019 funding. Project specific details are described in Attachment 1. As in previous years, some in-year adjustments to the workplan may be required as more information is received from geotechnical investigations, engineering analyses, delays due to negotiations with landowners and other factors, or should subsequent storm events worsen conditions at certain sites.

As the primary objective of TRCA's Erosion Risk Management Program is to reduce risk to life and property from the hazards of erosion, the majority of funding continues to be allocated to sites where significant damage has already occurred. Staff received direction from the Authority Board at Meeting #4/18, held on May 25, 2018 to allocate 5% of each year's funding to lower priority sites where proactive and minor works may prevent future failures. As illustrated in Attachment 1, the proposed allocation to proactive and minor works in 2019 is approximately 5% of the total available budget for valley erosion hazards in 2019, as the remainder of the budget is needed to complete works at higher risk sites. The proposed 5% budget allocation is approximate and subject to securing all necessary landowner agreements prior to proceeding with work.

### **Relationship to Building the Living City, the TRCA 2013-2022 Strategic Plan**

This report supports the following strategies set forth in the TRCA 2013-2022 Strategic Plan:

**Strategy 2 – Manage our regional water resources for current and future generations**  
**Strategy 7 – Build partnerships and new business models**

### **FINANCIAL DETAILS**

All funding for this portfolio of work is provided by the City of Toronto within account 133-01 as outlined in Attachment 1 except where noted otherwise. Some funding is expected to be received from benefiting landowners on select projects in accordance with TRCA's Private Landowner Contribution for Erosion Control Works policy.

## Item 9.2.

Additionally, TRCA has been awarded \$22 million over the next 10 years from Infrastructure Canada (INFC) through the Disaster Mitigation and Adaptation Fund Program (DMAF). DMAF funding has been allocated on a project-by-project basis as part of TRCA's Erosion Hazard Mitigation Strategy. TRCA's application for funding under DMAF was approved in March of 2019 and this funding will help to accelerate critical erosion control works under the Valley Erosion Hazard portfolio. A total of 66 projects in the City of Toronto will be receiving funding under DMAF over the next 10 years at a total cost of \$48 million with \$14 million being the share provided by the federal government. Forty-five of these projects are funded under the Valley Erosion Hazards portfolio with the remainder being major maintenance projects to repair TRCA's existing erosion control infrastructure that are nearing the end of their lifespan.

The total budget for Valley and Erosion Hazards in 2019 is 5.13 million, which includes 3.5 million in 2019 capital funding, forecasted DMAF funding on a project by project basis based on eligible expenditures after March 31, 2019, and approximately \$18,000 in funds carried forward from 2018 to continue with projects already in progress. Attachment 1 shows how the total budget is allocated across the priority projects.

Some adjustments to individual projects funded under this capital works program may be proposed by funding partners including INFC and Toronto Water, and it is noted that the allocations are subject to revision as the work progresses. With the potential delays and other unknown factors associated with landowner negotiations, staff may make in-year adjustments to project allocations as required. In the case where landowner negotiations stall on an approved project, staff will reassign the available budget to an approved alternate project.

### **DETAILS OF WORK TO BE DONE**

Refer to the Proposed 2019 Workplan (Attachment 1) for the details of work to be done for each project.

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**Report approved by: Ashour Rehana and Moranne McDonnell, extensions 5524 & 5500**

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**Date: July 26, 2019**

**Attachments: 3**

Attachment 1: Proposed 2019 Workplan

Attachment 2: Proposed Project Locations

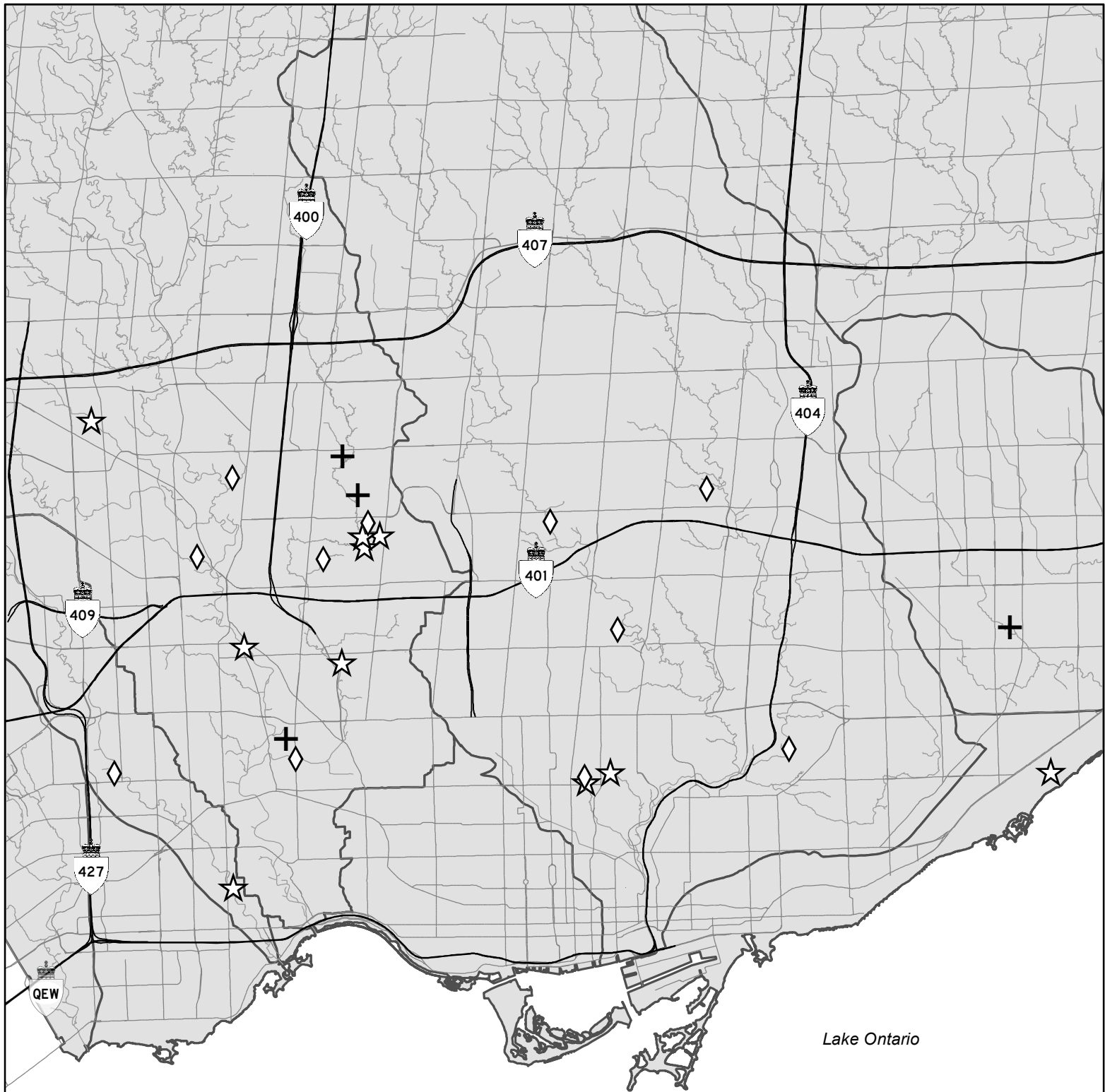
Attachment 3: Valley Erosion Hazards 2019 Master Budget

Funding Account	Project Name	2018 Year End Balance (Carried forward to 2019)	2019 Approved Capital Funding	Other Funding	2019 Proposed Budget incl. Forecasted DMAF Funding	Status	2019 Project Details
	Valley Erosion Hazards using Critical Erosion and Floodworks Funding	(\$18,000)	(\$3,500,000)	(\$116,000) Private Landowner Contributions in accordance with the Private Landowner Contribution Policy (approved January 2017)	\$5.13 million	-	<ul style="list-style-type: none"> <li>See information by subproject in italics below</li> </ul>
<b>PROGRAM MANAGEMENT / EROSION HAZARD MONITORING / MINOR WORKS</b>							
	Program management, erosion hazard monitoring, legal support (multiple Wards)			-	\$160,000	Annual	<ul style="list-style-type: none"> <li>General program management</li> <li>Annual re-inspection of participating properties (400+ erosion hazard sites) (shared cost with other accounts)</li> <li>Stream, Erosion, and Infrastructure Database Development</li> </ul>
	Minor and proactive works (multiple wards, varied scope of work)			-	\$160,000	Annual	<ul style="list-style-type: none"> <li>Minor and proactive works such as downspout extensions/redirections, removal of unstable structures, regrading, plantings, and other undertakings to prevent erosion damage from lower ranking sites</li> <li>Approximate allocation of 3% of 2019 Capital Levy</li> <li>Planning and design activities incl. development of detailed designs for Shendale Drive through 2019 pending confirmation of interest from landowners</li> <li>Finalization of detailed designs for 70 Meadowcliffe Drive; Construction to proceed late 2019 pending receipt of all permits and approvals</li> </ul>
<b>VALLEY EROSION HAZARDS PROJECTS</b>							
133-01	RSD14-03: Phase 2 Detailed Assessments			-	\$600,000	Ongoing from 2014	<ul style="list-style-type: none"> <li>Funding for Erosion Studies and Analysis staff to administer a Master Slope Stability and Erosion Risk Assessment contract to support detailed ranking of erosion hazard sites through the Erosion Risk Management Program</li> <li>Includes funding for planning and design activities for the Hudson Drive Erosion Control and Slope Stabilization Project with partial construction forecasted in late 2019</li> </ul>
	Black Creek in Downsview Dells between 2 Jennifer Court – 111 Whitburn Crescent - Multi-use Trail Connection Project (Ward 9)			-	\$550,000	Ongoing from 2014	<ul style="list-style-type: none"> <li>Construction of an AODA compliant multi-use trail from Keele Street East to Downsview Dells Park on behalf of the City of Toronto</li> <li>Final construction activities to include restoration of entire site incl. conversion of the machine access road to a multi-use trail connection with funding from the City of Toronto. Works to commence in Summer 2019 and will include repaving of parking lot and resolving swale deficiencies</li> </ul>
	Humber River between 1 Katrine Road and 5 Riverhead Drive Erosion Control and Slope Stabilization Works (Ward 2)			-	\$10,000	Ongoing from 2014	<ul style="list-style-type: none"> <li>Registration of outstanding land conveyances</li> <li>Minor site restoration works incl. installation of new fencing and p-gates from construction disturbances in 2016</li> </ul>
	5 Old Yonge incl 14 – 16 Brookfield Road Erosion Control and Slope Stabilization Project (Ward 25)			(\$40,000)	\$5,000	Ongoing from 2014	<ul style="list-style-type: none"> <li>Partial financial contribution from private landowner for works completed in 2016 (Total contribution of \$206k anticipated to be received by 2020)</li> <li>Registration of outstanding land restrictions and ongoing negotiations with landowners</li> </ul>
	1025 Scarlett Road Erosion Control and Slope Stabilization Project ('Phase 1 & 2') (Ward 2)			-	\$150,000	Ongoing from 2015	<ul style="list-style-type: none"> <li>Phase 1 construction works complete</li> <li>Implementation of Phase 2 works to be completed through 2019 and includes relocation of existing structures at top of slope away from the long-term stable slope crest and restoration of disturbed areas</li> </ul>

Funding Account	Project Name	2018 Year End Balance (Carried forward to 2019)	2019 Approved Capital Funding	Other Funding	2019 Proposed Budget incl. Forecasted DMAF Funding	Status	2019 Project Details
	<i>Black Creek Tributary between Appletree Court and Seeley Drive Erosion Control and Slope Stabilization Project ('Phase 1 &amp; 2') (Ward 9)</i>			-	\$70,000	Ongoing from 2015	<ul style="list-style-type: none"> <li>Construction of Phase 1 completed in 2018</li> <li>Planning activities will include filing the Phase 2 Class Environmental Assessment (Class EA) Project Plan for the 30-day review period, selection of a preferred alternative, and securing necessary permits and approvals to proceed with Phase 2</li> <li>Development of detailed designs to stabilize the remainder of the degraded channel and to protect the City of Toronto sanitary sewer infrastructure to be finalized through 2019</li> </ul>
	<i>19 – 25 Ridgeway Crescent Erosion Control and Slope Stabilization Project (Ward 5)</i>			-	\$350,000	Ongoing from 2015	<ul style="list-style-type: none"> <li>Planning and design activities including filing Class EA Project Plan for 30-day review period to identify preferred alternative, securing permits and approvals &amp; finalization of detailed designs</li> <li>Construction of preferred alternative to proceed in Fall 2019 to provide long term protection for four (4) residential properties at the top of slope</li> </ul>
	<i>19 – 31 Ridge Point Crescent Slope Stabilization Project (Ward 12)</i>			-	\$100,000	Ongoing from 2015	<ul style="list-style-type: none"> <li>Detailed designs to be finalized through 2019</li> <li>Planning activities including filing Class EA Project Plan for 30-day review period and securing permits and approvals</li> <li>Construction of preferred alternative to proceed in late 2019 pending to provide long term protection for seven (7) residential properties at the top of slope</li> </ul>
	<i>22 – 24 Bucksburn Road Slope Stabilization Project</i>			-	\$150,000	Ongoing from 2015	<ul style="list-style-type: none"> <li>Detailed designs to be finalized through 2019</li> <li>Slope regrading and toe protection to be started in Fall 2019 pending finalization of detailed designs and receipt of necessary permits and approvals</li> </ul>
	<i>30 Northline Road Erosion Control and Slope Stabilization Project (Ward 31)</i>			-	\$100,000	Ongoing from 2015	<ul style="list-style-type: none"> <li>Detailed design of preferred alternative to be finalized through 2019</li> <li>Planning activities will include filing the Class EA Project Plan for the 30-day review period to identify preferred alternative and securing permits and approvals</li> <li>Potential to begin construction of preferred alternative in late 2019, pending availability of funding and receipt of all necessary permits and approvals for the protection of a City of Toronto Municipal Works Yard at the top of slope</li> </ul>
	<i>37 – 39 Topcliff Avenue Erosion Control and Slope Stabilization Project</i>			-	\$70,000	Ongoing from 2014	<ul style="list-style-type: none"> <li>Slope stability and erosion risk assessment and development of conceptual alternatives to be completed through 2019</li> <li>Planning activities will include collecting baseline data and initiating the Class EA process</li> <li>Development of detailed design for preferred alternative to proceed in 2020</li> </ul>
	<i>Yellow Creek near Heath Street East Erosion Control and Slope Stabilization Project (Ward 27) &amp; Yellow Creek Interim Works Project in the Vale of Avoca Ravine</i>			-	\$500,000	Ongoing from 2016	<ul style="list-style-type: none"> <li>Development of detailed designs for interim works within the channel through 2019</li> <li>Select sites within the Vale of Avoca ravine and David A. Balfour Park (TBD) are potential candidates for emergency works (TBD)</li> <li>Planning activities to include initiating a Municipal Class EA to identify preferred alternative and securing necessary permits and approvals</li> <li>Construction anticipated to proceed in 2019 pending available funding and receipt of necessary permits and approvals</li> </ul>
	<i>11 – 53 Storer Drive &amp; 98 – 104 Windhill Crescent (Ward 7)</i>					Ongoing from 2015	<ul style="list-style-type: none"> <li>Slope stability and erosion risk assessment completed in 2017 with confirmed risk to one property</li> <li>Landowner negotiations to evaluate interest in proceeding with planning process for remedial works</li> </ul>

Funding Account	Project Name	2018 Year End Balance (Carried forward to 2019)	2019 Approved Capital Funding	Other Funding	2019 Proposed Budget incl. Forecasted DMAF Funding	Status	2019 Project Details
							<ul style="list-style-type: none"> <li>Planning activities to include circulating final report with landowners with potential to proceed with development of detailed design (pending outcome of landowner negotiations)</li> </ul>
	251 – 257 Burbank Drive Slope Stabilization Project			-	\$50,000	Ongoing from 2018	<ul style="list-style-type: none"> <li>Planning activities to include development of detailed designs through 2019 to provide long term stabilization for four (4) properties at the top of slope</li> </ul>
	30 – 36 Rose Park Crescent Slope Stabilization Project (Ward 27)			(\$75,000)	\$800,000	Ongoing from 2017 (May severe rainfall event)	<ul style="list-style-type: none"> <li>25% of financial contribution received from private landowners of total \$300k</li> <li>Development of tender specifications to inform selection of preferred alternative through 2019</li> <li>Development and implementation of detailed design using a Design-Build team; Construction to proceed in fall 2019</li> <li>Construction of preferred alternative to commence in Fall 2019, pending receipt of all necessary permits and approvals</li> <li>File Emergency Works Report</li> </ul>
	East Don River behind 73 – 95 Clarinda Drive Erosion Control and Slope Stabilization Project (Ward 24)			-	\$40,000	Ongoing from 2015	<ul style="list-style-type: none"> <li>Planning activities to include filing Class EA Project Plan for 30-day review period, selection of preferred alternative, and securing all necessary permits and approvals</li> <li>Detailed design to be finalized through 2019</li> <li>Potential to proceed to construction in late 2019 if there are delays in other VEH projects scheduled for construction in 2019 (pending finalization of detail design, receipt of necessary permits and approvals)</li> </ul>
	219 – 226 Roslin Avenue Erosion Control and Slope Stabilization Project (Ward 25)			-	\$40,000	Ongoing from 2015	<ul style="list-style-type: none"> <li>Planning activities to include filing of Class EA Project Plan for 30-day review, selection of preferred alternative, and securing necessary permits and approvals</li> <li>Detailed design activities to be started in 2019</li> <li>Construction of preferred alternative anticipated to proceed in 2020</li> </ul>
	Kevi Lane and Rathburn Road Slope Stabilization Project (Ward 3)			-	\$40,000	Ongoing from 2017	<ul style="list-style-type: none"> <li>Detailed design to be finalized through 2019</li> <li>Planning activities to include filing Class EA Project Plan for 30-day review period, selection of preferred alternative, and securing necessary permits and approvals</li> <li>Construction of preferred alternative anticipated to proceed in 2020</li> </ul>
	21 – 24 Disan Court Erosion Control and Slope Stabilization Project (Ward 1)			-	\$10,000	Ongoing from 2016	<ul style="list-style-type: none"> <li>Construction of a Sienna Stone retaining wall and protection of adjacent City of Toronto stormwater infrastructure completed in 2018</li> <li>Registration of outstanding land conveyances</li> <li>Minor restoration activities to be completed in 2019 incl. repair of a paved driveway</li> </ul>
	Eldorado Court, Grandravine Drive, and Ladyshot Crescent Slope Stability and Erosion Risk Assessment (Ward 9)			-	\$80,000	Ongoing from 2015	<ul style="list-style-type: none"> <li>Previously titled the 7 – 17 Eldorado Court Slope Stabilization Project; Project area expanded to include additional slope-adjacent properties behind Northwood Park</li> <li>Slope stability and erosion risk assessment for up to 45 properties and development of conceptual alternatives to be completed through 2019</li> <li>Collection of baseline data as required</li> </ul>

Funding Account	Project Name	2018 Year End Balance (Carried forward to 2019)	2019 Approved Capital Funding	Other Funding	2019 Proposed Budget incl. Forecasted DMAF Funding	Status	2019 Project Details
	21 – 25 Peacham Crescent Slope Stabilization Project (Ward 9)			-	\$50,000	Ongoing from 2015	<ul style="list-style-type: none"> <li>File Class EA Project Plan for 30-day review period</li> <li>Detailed design to be finalized through 2019</li> <li>Potential to proceed to construction in late 2019 if there are delays in other VEH projects scheduled for construction in 2019 (pending finalization of detail design, receipt of necessary permits and approvals)</li> </ul>
	Black Creek at Rockcliffe Road Remediation & Design			-	\$505,000	Ongoing from 2018	<ul style="list-style-type: none"> <li>Planning and design activities to continue through 2019</li> </ul>
	St. Andrew's Cemetery Slope Stabilization Project			-	\$150,000	Ongoing from 2018	<ul style="list-style-type: none"> <li>Slope stability and erosion risk assessment to be completed through 2019 to confirm risk to cemetery</li> <li>Development of conceptual alternatives to be completed through 2019 upon confirmation of extent of risk to site</li> <li>Implementation of remedial works anticipated to proceed in 2020</li> </ul>
	58 Bexley Crescent Slope Stabilization Project			-	\$40,000	Ongoing from 2015	<ul style="list-style-type: none"> <li>Initiation of Class EA and baseline data collection</li> <li>Development of conceptual alternatives to be completed through 2019 to provide long term protection for one (1) residential property at the top of slope</li> </ul>
	23 Brixham Terrace Drainage and Slope Stabilization Project (Ward 9)			-	\$300,000	Ongoing from 2015	<ul style="list-style-type: none"> <li>Detailed design of grass swale finalized in 2018</li> <li>Construction underway since Spring 2019 and will include formalization of swale channel, check dams, and protection to channel outlet and stormwater outfall</li> <li>All restoration works to be completed in 2019</li> </ul>
	Bartley Drive Geomorphic Assessment			-	\$30,000	Started in 2019	<ul style="list-style-type: none"> <li>Planning activities including completion of a geomorphic assessment for the surrounding project area</li> <li>Detailed design activities to be undertaken based on extent of risk identified in the geomorphic assessment</li> </ul>



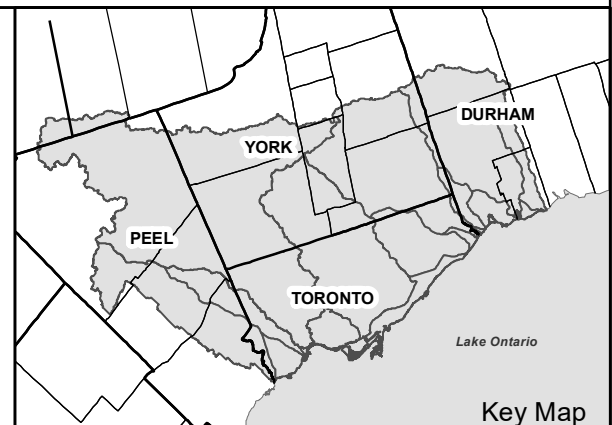
## Legend

### TYPE

- ☆ Construction
- ◇ Planning/Design
- ⊕ Pre-Planning
- ~~~~~ Watercourses
- TRCA Jurisdiction



0 3,000 6,000 Meters



Key Map

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