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To be held Friday, April 8, 2005

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TO: Chair and Members of the Executive Committee
Meeting #2/05, April 8, 2005

FROM: Brian Denney, Chief Administrative Officer

**RE: NAMING OF TORONTO AND REGION CONSERVATION AUTHORITY
OWNED LANDS**
City of Vaughan, Village of Woodbridge

KEY ISSUE

Request for naming of Toronto and Region Conservation Authority land at the southwest corner of Highway #7 and Islington Avenue, City of Vaughan, Regional Municipality of York.

RECOMMENDATION

THE EXECUTIVE COMMITTEE RECOMMENDS THAT the Toronto and Region Conservation Authority (TRCA) lands located south of Highway #7, west of Islington Avenue, City of Vaughan, Regional Municipality of York, be named "Veteran's Park";

AND FURTHER THAT The Royal Canadian Legion, MacKenzie Branch and the City of Vaughan be so advised.

BACKGROUND

The federal government has declared 2005 as "The Year of the Veteran" and has called on all Canadians to honour those who have served their country. Many commemorative events will be held this year, including several in and around May 7, 2005, the 60th anniversary of VE Day, the Victory in Europe.

The MacKenzie (Ontario Number 414) Branch of the Royal Canadian Legion has asked Vaughan Council to honour our veterans by naming the parkette.

The City of Vaughan's Committee of the Whole at a meeting held on April 4, 2005 adopted the following resolution:

Mayor Michael Di Biase recommends that Council approve the naming of the parkette, located at the south west corner of Highway 7 and Islington Avenue "Veteran's Park" and that the official ceremony would take place on April 30, 2005 at the parkette with the Royal Canadian Legion.

This parcel of land located on the southwest corner of Highway #7 and Islington Avenue in the City of Vaughan, containing 1.546 acres is in TRCA ownership and is managed by The Royal Canadian Legion, Mackenzie Branch.

At Authority Meeting #9/03, held on November 28, 2003, Resolution #A255/03 was approved as follows:

WHEREAS the Toronto and Region Conservation Authority has the legal authority to name its assets;

AND WHEREAS TRCA is a privately and publically funded organization with many stakeholders;

THEREFORE BE IT RESOLVED THAT the Protocol for the Naming of TRCA Assets shall be a consultative process where required, subject to the criteria outlined in the staff report, dated November 11, 2003.

RATIONALE

The criteria for naming of assets are as follows:

- The name of a major individual or corporate/public sector organization, possibly a donor.
- The name of an individual prominent in the environmental or conservation community.
- A relevant historical name associated with the geographic area or community.
- The name of a strategic initiative, a citizen's group or other partnership of TRCA.
- Other names that may have significance for a specific site and area.

Naming of TRCA assets requires approval of the Authority. TRCA staff have reviewed the request and believe it is in the best interests of TRCA in granting this requests, and are therefore recommending approval of the Authority to name the parkette "Veteran's Park".

FINANCIAL DETAILS

The City of Vaughan and The Royal Canadian Legion are to be responsible for all costs associated with the naming of the parkette.

Report prepared by: Mike Fenning, extension 5223
For Information contact: Mike Fenning, extension 5223
Date: April 06, 2005

8.1 APPLICATION FOR PERMITS UNDER ONTARIO REGULATION 158 Fill, Construction and Alteration to Waterways

Information has been received and reviewed by staff for the following Scheduled Errata items. The recommendations within the staff reports should be amended to include the following:

8.1.14 ENERSOURCE HYDRO MISSISSAUGA

- Letter of Undertaking, prepared by B.S. Koskocky, Enersource Hydro Mississauga, dated April 6, 2005, to address all outstanding engineering and ecology issues.

8.1.15 ENNIO DI PIETRANTONI

- Letter of Undertaking, prepared by R. Santos, Candevcon Limited, dated April 6, 2005, to address all outstanding ecology issues.

8.1.16 LANARK LANE INVESTMENTS INC.

- Letter of undertaking provided by Diarmuid Horgan, P.Eng., of Candevcon Limited, dated March 24, 2005 to address outstanding ecology issues

8.1.17 HUNGRY LION LIMITED (LA CASTILE MANOR RESTAURANT)

- Letter of Undertaking, prepared by M. Gray, 763930 Ontario Ltd., dated April 6, 2005, to address all outstanding engineering issues.

8.1.18 SHERIDAN NURSERIES

- Figure 1.0 - Site Plan, produced by Stantec Consulting Ltd., dated April, 2005;
- Figure 2.0 - Plant Display Area Details, produced by Stantec Consulting Ltd., dated March, 2005.

8.1.19 AVA MINA INVESTMENTS INC.

- Drawing A1, Site Plan, submitted by the applicant on April 6, 2005;
- Drawing No. A2, Plan and Section of Retaining Wall; Drawing A3, Details, stamped by a Professional Engineer - Y.W. Ghatas, received on April 6, 2005.

8.1.20 WINDERMERE BY THE LAKE TOWNHOUSES INC.

- Sheet No. 10-02038-ER1, Construction Management Plan, dated March 14, 2005, received March 17, 2005, prepared by Marshall Macklin Monaghan;
- Sheet No. 10-02038-GR1, Grading Plan, dated March 14, 2005, received March 17, 2005, prepared by Marshall Macklin Monaghan;
- Letter of Undertaking, dated April 4, 2005, prepared by Marshall Macklin Monaghan.

8.1.21 NANCY HICKS

- Site Plan; First Floor Plan; Second Floor Plan; Basement Plan, prepared by David Wooldridge Inc., received on February 23, 2005.

8.1.22 BLOCK 11 LANDOWNER'S GROUP

- Letter of Undertaking, prepared by David F. Ashfield, Schaeffers Consulting Engineers, dated March 23, 2005, received March 24, 2005.

8.1.23 BLOCK 12 PROPERTIES INC.

- Letter of Undertaking dated April 6, 2005 from Schaeffers Consulting, stating that all plans will be revised to TRCA's satisfaction prior to permit issuance.

8.1.24 BLOCK 12 PROPERTIES INC.

- Letter of Undertaking dated April 6, 2005 from Schaeffers Consulting, stating that all plans will be revised to TRCA's satisfaction prior to permit issuance.

8.1.25 BLOCK 12 PROPERTIES INC.

- Letter of Undertaking dated April 6, 2005 from Schaeffers Consulting, stating that all plans will be revised to TRCA's satisfaction prior to permit issuance.

8.1.26 BLOCK 12 PROPERTIES INC.

- Letter of Undertaking dated April 6, 2005 from Schaeffers Consulting, stating that all plans will be revised to TRCA's satisfaction prior to permit issuance.

8.1.27 BLOCK 12 PROPERTIES INC.

- Letter of Undertaking dated April 6, 2005 from Schaeffers Consulting, stating that all plans will be revised to TRCA's satisfaction prior to permit issuance.

8.1.28 BORIS HARMIC

- Letter of Undertaking outlining the minor landscape design details that will follow for Lot 8, Nightfall Court, Vaughan, prepared by Gary van Eijk, dated April 6, 2005, received by the TRCA on April 6, 2005.

8.1.29 CANADIAN PACIFIC RAILWAY

- Letter of Undertaking (to provide revisions to engineering drawings and restoration plans); dated March 22, 2005; received March 23, 2005; prepared by the owner, Canadian Pacific Railway.

8.1.30 REGIONAL MUNICIPALITY OF YORK

- Site Plan, Drawing No. L12-010024, Sheet No. S1, prepared by TSH, dated March 29, 2005, received by the TRCA on March 30, 2005;
- General Arrangement, Drawing No. L12-010024, Sheet No. S4, prepared by TSH, dated March 29, 2005, received by the TRCA on March 30, 2005.

8.1.31 TILZEN HOLDINGS LIMITED

- Site Plan, Drawing No. A1, prepared by Wes Surdyka Architect Inc., dated May 2004, revised January 11, 2005;
- Landscape Plan, Drawing No. L1 of 2, prepared by Strybos Associates Ltd., dated May 11, 2004, revised February 3, 2005;
- Detail Sheet, Drawing No. L2 of 2, prepared by Strybos Associates Ltd., dated May 11, 2004, revised October 13, 2004;
- Site Servicing and Grading Plan, prepared by EMC Group Limited, dated May 2004, revised February 8, 2005.

8.1.32 REGIONAL MUNICIPALITY OF YORK

- Letter of Undertaking (to provide revisions to engineering drawings, including an oil grit separator); dated October 20, 2004; received October 25, 2004; prepared by York Region.

8.1.33 REGIONAL MUNICIPALITY OF YORK

- Letter of Undertaking (to provide revisions to restoration plans, engineering drawings, meander belt analysis/100 year erosion limit, structure size modifications to reflect the analyses, HEC-RAS update, floodplain mapping update); dated March 29, 2005; received March 29, 2005; prepared by Regional Municipality of York.

8.1.34 KARIN REID

- Letter of Undertaking, prepared by L. Stewart Higgins, Higgins Engineering Limited, dated April 4, 2005, received April 5, 2005.

8.1.35 REGIONAL MUNICIPALITY OF YORK

- Letter of Undertaking (to provide revisions to engineering drawings and restoration plans); dated March 11, 2005; received March 16, 2005; prepared by the Regional Municipality of York.

8.1.36 REGIONAL MUNICIPALITY OF YORK

- Site Plan, Sheet No. S1, prepared by TSH, dated April 4, 2005, received by the TRCA on April 6, 2005;
- General Arrangement, Sheet No. S3, prepared by TSH, dated April 5, 2005, received by the TRCA on April 6, 2005, redline revised to indicate that the work platform/debris catchment system will be erected to the satisfaction of the TRCA (no disturbance to the existing creek and creek bed will occur).

CITY OF BRAMPTON

8.1.42 PARTACC DEVELOPMENT INC.

To place fill within a regulated area on Part Lot 14, 15, Concession 5 EHS, in the City of Brampton, Humber River Watershed as located on the property owned by Partacc Development Inc.

The purpose is to place fill and excavate in a Fill Regulated Area to facilitate the construction of a residential subdivision.

LOCATION MAP: Part Lot 14, 15, Concession 5 EHS



The permit will be issued for the period of April 8, 2005 to April 7, 2010 in accordance with the following documents and plans which form part of this permit:

- Grading Plan, sheet no. 20, prepared by Rand Engineering Corporation, dated January 2005;
- Grading Plan, sheet no. 23, prepared by Rand Engineering Corporation, dated January 2005;
- Grading Plan, sheet no. 26, prepared by Rand Engineering Corporation, dated January 2005, as redline revised April 6, 2005;
- Grading Plan, sheet no. 27, prepared by Rand Engineering Corporation, dated January 2005, as redline revised April 6, 2005;
- Grading Plan, sheet no. 30, prepared by Rand Engineering Corporation, dated January 2005, as redline revised April 6, 2005;
- Grading Plan, sheet no. 33, prepared by Rand Engineering Corporation, dated January 2005, as redline revised April 6, 2005;
- Sediment Control Plan, sheet no. 103, prepared by Rand Engineering Corporation, dated January 2005, as redline revised April 6, 2005.

RATIONALE

The application was reviewed by staff on the basis of the following information:

Proposal:

The purpose of this application is to place fill material and excavate within a Fill Regulated Area to facilitate the construction of a residential subdivision located at the southwest corner of Torbram Road and Countryside Drive, in the City of Brampton. Please note that this permit pertains only to those works which are proposed to occur on the tableland portion(s) of the subject property (topsoil stripping, preservice grading and required erosion/sedimentation control measures). Additional permits for the subject property associated with proposed public infrastructure works (i.e. watermain construction, stormwater management facilities, and a bridge) will be considered by the Executive Board at subsequent meetings.

Control of Flooding:

The proposed works will occur outside of the Regional Storm Floodplain. As such, no adverse impacts to the storage and/or conveyance of floodwaters are anticipated.

Pollution:

Appropriate sediment and erosion control measures will be put in place, and maintained, during all phases of construction.

Conservation of Land:

The proposed works will not affect any significant vegetation on the subject property. In addition, there are no geotechnical and/or fisheries related concerns with this application.

Plantings

All proposed plants and seed mixes will contain only native and non-invasive species. In addition, all plantings will adhere to the TRCA's planting guidelines.

Policy Guidelines:

The proposed works are consistent with Section 4.1.1, New Urban Development, of the TRCA's Valley and Stream Corridor Management Program.

CFN: 36430 - Application #: 120/05/BRAM

Report Prepared by: Joshua Campbell, extension 5386

For information contact: Joshua Campbell, extension 5386

Date: April 5, 2005

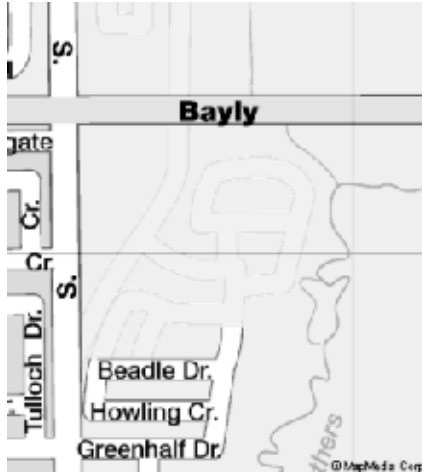
TOWN OF AJAX

8.1.43 SALEM ROAD DEVELOPMENTS (1563485 ONTARIO LIMITED)

To place fill within a regulated area on Part Lot 6, Concession 1, (Salem Road and south of Bayly Street), in the Town of Ajax, Carruthers Creek Watershed as located on the properties owned by Salem Road Developments (1563485 Ontario Limited) and the Region of Durham.

The purpose is to place fill in a Fill Regulated Area and construct in the Regional Storm Floodplain of Carruthers Creek in order to facilitate the construction of a stormwater management facility and associated outlet, and a separate stormwater management pond outlet to service a tableland retrofit pond.

LOCATION MAP: Salem Road and south of Bayly Street



The permit will be issued for the period of April 8, 2005 to April 7, 2010 in accordance with the following documents and plans which form part of this permit:

- **General Plan, Drawing No. G-102, prepared by Sernas Associates, dated January 2005, date received February 22, 2005;**
- **Stormwater Treatment Train Facility, Drawing No. SWM-101, prepared by Sernas Associates, dated January 2005, date received February 22, 2005;**
- **Stormwater Management Retrofit Facility, Drawing No. SWM-102, prepared by Sernas Associates, dated March 2004, date received February 22, 2005;**
- **Temporary Erosion & Sedimentation Control Plan, Drawing No. ERS-101, prepared by Sernas Associates, dated October 2004, date received February 22, 2005;**
- **Tree Inventory & Preservation Plan, Drawing No. L1, prepared by Strybos Associates Ltd., dated September 29, 2004, revised February 4, 2005, date received February 22, 2005;**
- **Landscape Plan, Drawing No. L2, prepared by Strybos Associates Ltd., dated September 29, 2004, revised February 4, 2005, date received February 22, 2005;**
- **Landscape Plan (Pond Enlargements), Drawing No. L3, prepared by Strybos Associates Ltd., dated September 29, 2004, revised February 4, 2005, date received February 22, 2005;**
- **Proposed Residential Subdivision, Drawing No. L4, prepared by Strybos Associates Ltd., dated September 29, 2004, revised February 4, 2005, date received February 22, 2005;**
- **Letter of Undertaking (email) to address outstanding ecology comments, prepared by Armand Reale, dated April 6, 2005.**

RATIONALE

The application was reviewed by staff on the basis of the following information:

Proposal:

The purpose of this proposal is to place fill in a Fill Regulated Area and construct in the flood plain of Carruthers Creek in order to facilitate the construction of a stormwater management facility and associated outlet on the east side of Salem Road, and to construct an additional stormwater outlet for a proposed retrofit stormwater management pond on the west of Salem Road, in the Town of Ajax. This proposal has been submitted in order to satisfy the conditions of approval for Draft Plan of Subdivision S-A-2003-01. The proposed stormwater management facility is required in order to manage water quantity and in-stream erosion from stormwater runoff originating from the proposed residential subdivision located on the west side of Salem Road, and to maintain flows to the adjacent Carruthers Creek wetland complex. The stormwater management facility consists of a pond, associated outlet, and overflow spill route.

The proposed separate stormwater outlet is required to service a retrofit stormwater management pond that will be located entirely on the tableland on the east side of Porte Road, west of Salem Road. The retrofit pond is required to service the existing surrounding residential development. The retrofit pond is not located within a Fill Regulated Area or in the flood plain.

The design details for the proposed pond and pond outlet have been reviewed by TRCA engineering and ecology staff. The proposed stormwater control pond is located entirely on tableland within a Fill Regulated Area, and the outfalls are located partially within the Regional Storm Floodplain of Carruthers Creek. The proposed stormwater management facility is located on lands owned by the Region of Durham.

Control of Flooding:

The proposed stormwater management pond will be located outside of the Regional Storm Floodplain of Carruthers Creek. The proposed pond outlets are located partially within the floodplain, and TRCA engineering staff are satisfied that there will be no impacts on the storage or conveyance of flood waters.

Pollution:

A sediment and erosion system will be installed and maintained during construction in order to prevent sediment from entering the watercourse.

Conservation of Land:

There are no geotechnical/slope stability or fisheries issues associated with this proposal. Existing wetland vegetation will not be disturbed by the pond outlet for the proposed stormwater management facility. All disturbed areas are to be stabilized and restored following construction.

Plantings

The stormwater management pond and outlets will be planted with native, non-invasive plantings. All disturbed areas will be restored to the satisfaction of the TRCA.

Policy Guidelines:

This proposal is consistent with Section 4.3 - Infrastructure and Servicing - of the Authority's Valley and Stream Corridor Management Program.

CFN: 36270 - Application #: 061/05/AJAX

Report Prepared by: Carla Pierini, extension 5314

For information contact: Carla Pierini, extension 5314

Date: February 24, 2005

TO: Chair and Members of the Executive Committee
Meeting #2/05, April 8, 2005

FROM: Adele Freeman, Director, Watershed Management

**RE: CONSULTING SERVICES FOR THE PREPARATION OF DIGITAL FLOOD
PLAIN ESTIMATION MAPPING TO SUPPORT THE DEVELOPMENT OF A
GENERIC REGULATION UNDER THE CONSERVATION AUTHORITIES ACT**

KEY ISSUE

Approval to retain Dillon Consulting Limited to prepare Digital Flood Estimation Mapping for smaller headwater tributaries that are not currently mapped through the current Flood Plain Mapping program.

RECOMMENDATION

THAT Toronto and Region Conservation Authority (TRCA) enter into an agreement with Dillon Consulting Limited to provide Digital Flood Plain Estimation Mapping for 1,000 km of headwater tributary area that is not currently mapped through TRCA's Flood Plain Mapping program at a maximum cost not to exceed \$86,495, plus applicable taxes;

AND FURTHER THAT the TRCA allocate a contingency of \$13,505 should the total watercourse length require significant adjustments based on detailed information collected through the course of the study, based on a unit cost of \$86/km for additional Digital Flood Estimation Mapping as provided in the proposal submitted by Dillon Consulting that would be applied where necessary, subject to TRCA approval.

BACKGROUND

On May 1, 2004, the province approved Ontario Regulation 97/04 entitled "The Content of Conservation Authority Regulations under Subsection 28(1) of the Act: Development, Interference with Wetlands and Alterations to Shorelines and Wetlands", which is referred to as the "Generic Regulation". Each of Ontario's 36 conservation authorities is required to bring their individual regulations into conformity with the Generic Regulation by May 1, 2006. The Generic Regulation defines the activities and the areas that conservation authorities can regulate. The purpose of the Generic Regulation is to provide consistency in key terminology and policy intent between the Provincial Policy Statement governing natural hazards, development control and site alteration under the *Planning Act* and Section 28 under the *Conservation Authorities Act*.

The delineation of the areas within the TRCA watersheds subject to the Generic Regulation is underway. Many factors are considered in defining the regulated area, one of which being an estimate of the extent of the Regulatory Flood Plain. The TRCA has recently updated or is in the process of updating the existing Regulatory Flood Plain Mapping, which covers the majority of the larger watercourses within the jurisdiction of the TRCA. However, there remain a large number of smaller headwater streams, as shown on Attachment 1, within the TRCA watersheds that are subject to the Generic Regulation, but for which no flood plain mapping exists.

The TRCA requires an estimate of the extent of the Regional Storm Flood Plain through these currently unmapped valley corridors to support the delineation of the areas subject to the Generic Regulation. The estimation of the Regulatory flood plain need not be consistent with the Ontario Ministry of Natural Resources “Technical Guide, River and Stream Systems: Flooding Hazard Limit.” The intent of the exercise is to delineate a screening area to identify areas that may potentially be subject to flooding, pending further study. As such, a much simplified approach to the estimation of the Regulatory flood plain has been adopted by the TRCA, taking into consideration the level of detail warranted and budget and timing limitations.

Digital Flood Plain Estimation Mapping for the study area shown in Attachment 1 will be generated using the HEC-RAS hydraulic modelling program with the aid of the HEC-GeoRAS ArcView GIS extension. The HEC-GeoRAS extension will be used to both automate the construction of the HEC-RAS models and generate the resulting Regulatory flood plains. HEC-RAS GIS import files will be created for the identified headwater tributaries using TRCA supplied digital information (eg., DEM, TIN, generated 1m contours, digital orthophotos, watercourse information etc.). Arcview GIS will be used as well as the latest HEC-GeoRAS software extension in order to extract required input for the HEC-RAS hydraulic model. Physical data required would include information such as cross section geometry, watercourse reach lengths and road crossing details. Once the initial information has been imported into the HEC-RAS environment, additional data such as Regional Storm flood flows, hydraulic loss coefficients and starting water surface conditions will be input in order to finalize the HEC-RAS hydraulic models. Steady flow simulations will then be performed to produce Regional Storm water surface elevations at each cross section along the entire length of the modelled headwater tributaries. Resultant HEC-RAS Regional Storm water surface profiles will then be exported back into Arcview GIS and a water surface TINs will be created. The Regional Storm water surface TINs will be overlain onto existing ground TINs permitting the creation of flood plain polygons used to delineate the limits of the regulatory flood plain estimates.

In addition to providing input into the development of the Generic Regulation, additional benefits may be recognized through this study and associated deliverables. The state-of-the-art procedures and GIS-hydraulic tools and systems developed to create the digital Flood Estimation Mapping will be used as the basis for preparation of all future detailed flood plain mapping within these headwater areas. Further, the use of both GIS and hydraulic software within a common platform will provide an effective tool for the future development and management of all TRCA flood plain information and in assessing development feasibility in the plan review and permitting process.

RATIONALE

Four (4) consultants, as listed below, were invited to submit proposals for the project based upon the Request for Proposal (RFP) for the work. Submitted proposals were reviewed carefully by four (4) senior staff using an evaluation matrix comprising the following criteria:

- consultant's understanding of GIS and hydraulic modelling;
- directly related previous experience;
- qualifications of individual team members;
- proposed approach;
- proposal quality; and

- total study cost as well as unit costs for additional mapping (\$/km) and detailed modelling for road crossings \$/structure).

The name and total study cost (excluding GST) for each consultant that submitted a proposal were as follows:

Earth Tech Canada Inc.	\$78,730.00
Dillon Consulting Ltd.	\$86,495.00
Amec Earth & Environmental Ltd.	\$144,560.50
Greenland International Consulting Ltd.	\$152,920.00

Although Dillon Consulting Limited did not submit the lowest overall cost, it was agreed by the review team that their unique study approach, which included "up-front" screening of the study area using specialized GIS applications, combined with their considerable knowledge in the field of GIS and hydraulic modelling, previous experience at all staff levels and overall proposal quality ranked them above all other competitors.

FUNDING DETAILS

Funding for the study has been identified in the 2005 capital budget.

Report prepared by: Glenn Farmer, extension 5351
For Information contact: Glenn Farmer, extension 5351
Date: April 5, 2005
Attachments: 1

TRCA Generic Regulation Mapping: Flood Plain Estimation

