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TO: Chair and Members of the Executive Committee
Meeting #1/05, March 4, 2005

FROM: Adele Freeman, Director, Watershed Management

RE: **WESTERN BEACHES WATERCOURSE FACILITY**
Contract Services for Project and Construction Management

KEY ISSUE
The selection of a consulting team to provide professional services for the construction of the Western Beaches Watercourse Facility.

RECOMMENDATION

THE EXECUTIVE COMMITTEE RECOMMENDS THAT the Toronto and Region Conservation Authority (TRCA) enter into a contract with UMA Engineering Ltd., at a cost not to exceed $516,142.00, plus GST;

THAT staff be authorized to approve additional unspecified expenditures to a maximum of ten percent of the total cost of the work to UMA, if deemed necessary to address contingencies;

AND FURTHER THAT the appropriate TRCA officials be authorized and directed to execute all necessary documentation required.

BACKGROUND
The International Dragon Boat Federation (IDBF) has awarded the 2006 World Club Crew Championship to Toronto, conditional upon the ability to deliver a paddling course and the necessary supporting facilities in time for the event (August 2006).

In a letter dated January 12, 2005, John W. Campbell, President and Chief Executive Officer of the Toronto Waterfront Revitalization Corporation (TWRC) confirmed that the Contribution Agreement for the Western Beaches Watercourse Facility (WBWF) in the amount of $19 million has been executed by both federal and provincial authorities. The remaining $4 million in financial commitment has been confirmed by the City of Toronto as part of their waterfront revitalization budget formally approved by Council in February.

At Authority Meeting #9/04, held on October 29, 2004, Resolution #A281/04 was approved, in part, as follows:

> *THAT staff be directed to develop an Eligible Recipient Delivery Agreement with the Toronto Waterfront Revitalization Corporation (TWRC) for the purpose of development and implementation of a dragon boat course within the City of Toronto along Toronto's western beaches between Ontario Place and the mouth of the Humber River at an estimated cost of $23 million;...*

The accommodation of this event will require the construction of a new multi-sport watercourse facility. The preferred location for this facility is along the Western Beaches shoreline, west of the Ontario Place island complex. It is recognized that the time available to complete an environmental assessment (EA), and design and construct a facility for the 2006 event is restricted, and therefore time is of the essence in this assignment. To this end, the TRCA, as an agent for the TWRC, has already engaged a consulting team led by MacViro Consultants Inc., to complete the EA and design components of this work.

At Authority Meeting #12/04, held on January 28, 2005, Resolution #A351/04 was approved, in part, as follows:

> *THAT the Toronto and Region Conservation Authority enter into a contract with the Toronto Waterfront Revitalization Corporation for assignment of a contract with MacViro Consulting Limited, at a cost not to exceed $1,253,673, including GST;...*

MacViro's work, which is based on a feasibility study undertaken by the same team in September 2004 is scheduled to be completed by the end of June 2005, and it is expected that construction will commence shortly thereafter.

The proposed undertaking includes:

- demolition of a portion of the existing breakwater approximately 80 metres off the shore of the Western Beaches west of Ontario Place;
- relocation and/or reconstruction of municipal infrastructure;
- construction of a new breakwater to accommodate a 650 metre long, 135 metre wide course to permit dragon boat races (Option 2a from Feasibility Study);
- construction of compensatory aquatic habitat; and
- construction of necessary ancillary facilities (buildings, parking lots and landscaping), either permanent or event-based, to stage the 2006 International Dragon Boat Federation Club Crew World Championships. The facility must be ready for testing by June 1, 2006.

It is anticipated that the Cowan Avenue sewer outfall relocation or reconstruction is required to accommodate the course configuration as identified in the Feasibility Study, but this will be confirmed by the EA/Design Team. Spectator and participant numbers will also be confirmed by the EA/Design Team, and the balance between permanent and event-based facilities developed with consideration for these numbers.

The objectives of the additional consultancy services are to ensure that high quality construction is achieved in a sustainable and safe manner, and to ensure that all work is carried out in full compliance with the design, technical specifications, and all applicable environmental and regulatory guidelines.

The Project/Construction Manager, acting as an agent of TRCA, will be responsible for overall project delivery including:

General

- assisting the EA/Design Team in identifying alternative designs for the preferred solution, with specific emphasis on finding construction efficiencies;
- advising the EA/Design Team on schedules, budget, and economics of various methods and material selection;
- early sourcing of heavy equipment and stone construction materials;
- coordination of demolition of existing breakwater in parallel with the new breakwater to ensure the shoreline is always protected and to utilize rubble in the new structure;
- coordination of ancillary dredging to coincide with construction of the new breakwater; and
- ensuring that all construction work is accomplished in accordance with the design specifications;

Specific

- project scheduling and monitoring, budgeting, cost controls, and project accounting;
- reporting and maintenance of project records and files;
- minutes of bi-weekly meetings with the advisory committee, with action items;
- monthly progress reports, including an updated schedule showing progress against milestones;
- establishing both land and marine bases of operation;
- efficient packaging of project work for tendering to ensure effective delivery of the project;
- tender evaluation in consultation with TRCA;
- site management and technical services;
- development of a Health and Safety Plan for the project and ensuring that it is adhered to;
- coordination and quality control of trades, labour and supplies;
- general supervision of all sub-contractors;
- issuing change orders, evaluation of same, fixing rates for unpriced work all in consultation with TRCA and the Design Team;
- authorizing payment of invoices to contractors and suppliers;
- resolving claims and disputes in consultation with TRCA;
- obtaining final reports, as-built drawings and completion certificates;
- commissioning (as required);
- overall project risk assessment and management of same in consultation with TRCA and the project advisory committee;
- reporting project status to TRCA and project advisory committee;
- ensuring that all project work adheres to all applicable environmental and regulatory guidelines; and
- utilization of sustainable management practices.

In consultation with staff from TWRC and the City of Toronto, staff developed a list of pre-qualified consultants to which Requests for Proposals (RFP) were submitted. The following consultants were sent RFPs and invited to submit proposals outlining a detailed work plan, budget and schedule to undertake the aforementioned work:

- Earth Tech;
- Giffels Engineering;
- Golder Associates;
- KMK Consultants Limited;
- Stantec;
- UMA; and
- Vanbots.

Two (2) consulting teams chose to supply fee proposals for the work outlined in the RFP, and are listed in the following table:

Consultant Team Lead	Fee Proposal	Disbursements	Total
UMA	$534,081.94	$18,190.00	$552,271.94
Vanbots	$923,000.00	$30,000.00	$953,000.00

RATIONALE
Fee proposals were received from the two consulting teams on February 18, 2004, and were reviewed by staff from both TWRC and TRCA for the best combination of value and services.

In evaluating and rating the proposals the review team considered the following:

- overall qualifications and relevant project experience;
- qualifications and experience of its proposed key project personnel;
- understanding of the objectives, opportunities and challenges;
- ability and approach to provide the required scope of services;
- proposed methodology for delivering services including clearly defined scheduling for each team member that will be dedicated towards this project;
- a statement that clearly identifies there are no conflicts of interest with respect to other active TRCA or TWRC projects;
- strong evidence of ability to meet time lines and budgeted costs;
- references;
- reputation; and
- cost.

It was concluded that the fee proposal from UMA Engineering Ltd. best met the criteria set out in the RFP, and provided the best combination of value and services.

DETAILS OF WORK TO BE DONE
On Authority approval, the TRCA staff will begin finalizing a professional services agreement with the preferred consultant for $516,142.00, plus GST.

FINANCIAL DETAILS
The full cost of this project is projected to be $23 million and will be covered under the Eligible Recipient Delivery Agreement, including all administrative and legal costs.

Report prepared by: Nick Saccone, extension 5301
For Information contact: Nick Saccone, extension 5301 or Nancy Gaffney, extension 5313
Date: February 23, 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:

8.1.8 ALTERRA-FINER (BRAMPTON) LIMITED

- **Letter of Undertaking prepared by Rosario Sacco, P.Eng., of Urban Ecosystems Limited, dated February 21, 2005, to address all outstanding engineering issues.**

8.1.9 BELL CANADA

- **Letter of Undertaking prepared by M. Cavanaugh, Plantec Consulting Engineers, dated March 2, 2005, to address all outstanding planning ecology issues.**

8.1.10 CITY OF BRAMPTON

- **Letter of Undertaking provided by Bill Guy, City of Brampton, dated March 3, 2005, to address outstanding TRCA Ecology and Engineering issues, prior to the issuance of a TRCA permit.**

8.1.11 MARKET SQUARE (BRAMPTON) INC.

- **Letter of Undertaking provided by John Cutruzzola, Market Square (Brampton) Inc., dated March 3, 2005, to address outstanding TRCA Ecology and Engineering issues, prior to the issuance of a TRCA permit.**

8.1.12 THE REGIONAL MUNICIPAL OF PEEL

WITHDRAWN

8.1.13 CITY OF TORONTO

- **Drawing No. 1, Cover Sheet / Site Plan, prepared by Victor Ford and Associates, Inc., revised February 18, 2005, received on February 21, 2005;**
- **Drawing No. 2, Access Ramp Removals Plan, prepared by Victor Ford and Associates, Inc., revised February 18, 2005, received on February 21, 2005;**
- **Drawing No. 3, Access Ramp Layout Plan, prepared by Victor Ford and Associates, Inc., revised February 18, 2005, received on February 21, 2005;**
- **Drawing No. 4, Access Ramp Grading Plan, prepared by Victor Ford and Associates, Inc., revised February 18, 2005, received on February 21, 2005;**
- **Drawing No. 5, Access Ramp Planting Plan, prepared by Victor Ford and Associates, Inc., revised February 18, 2005, received on February 21, 2005.**

8.1.14 VICTOR FERREIRA

- **Drawing A1, Floor Plans; Drawing A2, Elevations and Sections; Drawing A3, Site Plan, prepared by GPF Design Service Inc., received March 10, 2005.**

8.1.15 JASON DEZWIREK

- **Landscape Plan; Planting Plan, prepared by Wendy Berger and Associates, dated February 16, 2005, received on February 17, 2005.**

8.1.16 CITY OF TORONTO

- **Drawing No. 128-S270-6, General Arrangement, prepared by McCormick Rankin, dated December 2004;**
- **Drawing No. 128-S270-7, Construction Staging, prepared by McCormick Rankin, dated December 2004;**
- **Drawing No. 128-S270-112, Landscaping and Site Restoration, prepared by Ecoplans, dated December 2004;**
- **Sediment Control Details, prepared by City of Toronto, dated June 2001; Drawing OPSD-219.240, Sediment Trap Details, prepared by Ontario Provincial Standards.**

8.1.17 SCARBOROUGH CHINESE BAPTIST CHURCH

- **Drawing No. A1.0, Site Plan, dated January 31, 2005, received February 16, 2005, prepared by Teeple Architects;**
- **Drawing No. L1.1, Landscape Plan, dated January 31, 2005, received February 16, 2005, prepared by du Toit Allsopp Hillier;**
- **Drawing No. L2.1, Landscape Details, dated January 31, 2005, received February 16, prepared by du Toit Allsopp Hillier;**
- **Drawing No. L2.2, Landscape Details 2, dated January 31, 2005, received February 16, 2005, prepared by du Toit Allsopp Hillier;**
- **Drawing No. L3.1, Tree and Creek Protection Plan -1, dated February 15, 2005, received February 21, 2005, prepared by Teeple Architects;**
- **Drawing No. L3.2, Tree and Creek Protection Plan - 2, dated February 15, 2005, received February 21, 2005, prepared by Teeple Architects;**
- **Drawing No. C1, Site Servicing and Grading Plans, dated February 16, 2005, received February 18, 2005, prepared by Masongsong Associates;**
- **Drawing No. C2, Site Servicing and Grading Plans, dated February 16, 2005, received February 18, 2005, prepared by Masongsong Associates;**
- **Drawing No. GP1, General Plan, dated February 2005, received February 18, 2005, prepared by Masongsong Associates;**
- **Drawing No. P1, Channel, revision No.6, dated February 2005, received February 18, 2005, prepared by Masongsong Associates;**
- **Drawing No. P2, Channel, revision No.7, dated February 2005, received February 24, 2005, prepared by Masongsong Associates.**

8.1.18 FRANCES KOTH

- **Site plan depicting the location and size of the proposed garage at 11 Valleyview Court, Kleinburg, received by the TRCA on January 17, 2005, redline revised to indicate sediment control fencing and the removal of excess fill material;**
- **Koth Residence, 11 Valleyview Court, Kleinburg, Section at Garage and Section at Master Bedroom, received by the TRCA on March 2, 2005.**

8.1.19 LEONELLA PAGLIA

- **Site and Grading Plan of Lot 9, Plan 65M-2928, City of Vaughan, prepared by Tham Shanmugarajah Surveying Ltd., revised January 29, 2005, redline revised to indicate sediment control fencing and the removal of excess fill material;**
- **Elevations, Drawing No. A4, prepared by Koppany - Design/Consulting/Management, dated April 2004, revised January 14, 2005;**
- **Elevations, Drawing No. A5, prepared by Koppany - Design/Consulting/Management, dated April 2004, revised January 14, 2005.**

8.1.20 NEAMSBY INVESTMENTS INC.

- **Key Plan, Drawing No. W-1; Temporary Crossing Detail Plan, Drawing No. W-2; Plan/Profile Section 'A-A', Drawing No. W-3; prepared by Masongsong Associates Engineering Limited, dated November 2004, as received by TRCA on February 21, 2005;**
- **Standard Sediment Control Fence, Drawing No. MR34, prepared by Town of Markham Engineering Department, dated January 20, 2004, as received by TRCA on February 21, 2005.**

TOWN OF WHITCHURCH-STOUFFVILLE

8.1.22 MATTAMY HOMES

To alter a waterway, place fill within a regulated area on (southwest of Stouffville Road and 9th Line), in the Town of Whitchurch-Stouffville, Rouge River Watershed as located on the property owned by Mattamy Homes.

The purpose is to place fill in a Regulated Area and alter a watercourse in order to construct a storm water management pond and outfall to a tributary of the Rouge River. The facility will service a draft approved plan of subdivision known as Wheler's Mill (19T-01003) within the Southwest Quadrant Planning Area of the Town of Whitchurch-Stouffville.

LOCATION MAP: Southwest of Stouffville Road and 9th Line

The permit will be issued for the period of March 4, 2005 to March 3, 2010.

- **Letter of Undertaking from Stantec Consulting Inc., dated March 2, 2005, stating that all TRCA comments will be addressed prior to permit issuance.**

RATIONALE

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

Proposal:

The proposal is to construct a storm water management pond and associated outfall that will outlet to a tributary of the Rouge River, Little Rouge Creek. This pond will service a draft approved plan of subdivision known as Wheler's Mill (19T-01003) within the Southwest Quadrant Planning Area of the Town of Whitchurch-Stouffville.

Control of Flooding:

The proposed outfall is appropriately designed in order to convey flood flows safely, up to the Regional Storm. Therefore, the control of flooding will not be affected.

Pollution:

A sediment and erosion control plan will be implemented and maintained for the duration of construction, so that sedimentation of the tributary will not occur.

Conservation of Land:
There are no geotechnical issues or in-water work associated with this project and the project will not affect any significant natural heritage features. Staff will issue a letter of advice on behalf of Fisheries and Oceans Canada (DFO) with this permit, as a DFO Authorization was not required. All disturbed areas will be stabilized following construction.

Plantings
Following construction, all disturbed areas will be restored and enhanced with native plantings.

Policy Guidelines:
The proposal is consistent with Section 4.3, Infrastructure and Servicing, of the Authority's Valley and Stream Corridor Management Program.

CFN: 36018 - Application #: 444/04/WS
Report Prepared by: Mary-Ann Burns, extension 5267
For information contact: Mary-Ann Burns, extension 5267
Date: November 30, 2004

TO: Chair and Members of the Executive Committee
Meeting #1/05, March 4, 2005

FROM: Adele Freeman, Director, Watershed Management

RE: **DESIGN CRITERIA AND CONCEPT DESIGN FOR PORT UNION WATERFRONT IMPROVEMENT PROJECT - PHASE I**
Contract for Landscape Services

KEY ISSUE
Award of contract for landscape design services of the pedestrian node.

RECOMMENDATION

THAT PMA Landscape Architects Ltd. be retained to undertake the landscape design component for the pedestrian node of the Port Union Waterfront Improvement Project – Phase I at an upset cost of $19,005.96, plus applicable taxes;

AND FURTHER THAT staff be authorized and directed to take such action as may be necessary to implement the contract including the signing of documents.

BACKGROUND
The Port Union Waterfront Improvement Project was initiated by the Toronto and Region Conservation Authority (TRCA) to create a unique park amenity on the eastern Toronto waterfront. Located on the north shores of Lake Ontario and bordered by the mouths of Highland Creek and the Rouge River, the implementation of this waterfront project will include improved recreational access to the waterfront, 3.6 km of waterfront trail, shoreline protection and the creation of additional natural habitat, while also allowing for regeneration and protection of the existing degraded natural habitat.

At Authority Meeting #9/03, held on November 28, 2003, Resolution #A245/03 approved the TRCA to enter into an Eligible Recipient Delivery Agreement with the Toronto Waterfront Revitalization Corporation (TWRC) for the Port Union Waterfront Improvement Project for a total of $16 million, funding provided by TWRC.

Phase I of the Port Union Waterfront Improvement Project was initiated in September 2002, involving the construction of a pedestrian node at the foot of Port Union Road, a 1.44 kilometre link to the waterfront trail, four armourstone headlands, six cobble beaches and a pedestrian bridge over Highland Creek. Phase II of the project includes the extension of the Waterfront Trail from Port Union Road to the Rouge River and is anticipated to start in 2006.

A Request for Proposal (RFP) was sent out to four consulting firms, including PMA Landscape Architects Ltd., MBTW Group, Totten Simms Hubicki and EDA Collaborative Inc, for the landscape design component of the pedestrian node of the Port Union Waterfront Improvement Project – Phase I. The firms were invited to submit proposals by February 28, 2005.

Consultant	Price (exclusive of taxes)
PMA Landscape Architects Ltd.	$19,005.96
MBTW Group	$21,712.00
TSH (Totten Simms Hubicki)	$33,937.95
EDA Collaborative Inc.	$29,112.50

RATIONALE

TRCA staff evaluated all submissions based upon the following criteria:

- overall qualifications and relevant project experience (provide details of three recent projects overseen by project lead of a similar scope as this project);
- qualifications and experience of its proposed key project personnel;
- consultants understanding of the project objectives, opportunities and challenges;
- ability and approach to provide the required scope of services;
- proposed methodology for delivering services including clearly defined scheduling for each team member will have dedicated towards this project;
- a statement that clearly identifies there are no conflicts of interest with respect to other active/dormant clients in the area;
- strong evidence of ability to meet time lines and budgeted costs;
- references;
- reputation; and
- fee proposals.

It was concluded that the fee proposal from PMA Landscape Architects Ltd. best met the criteria set out in the RFP, and provided the best combination of value and services.

FINANCIAL DETAILS

Funding for landscape design is within the approved Port Union Waterfront Improvement budget as outlined in the Eligible Recipient Delivery Agreement.

Report prepared by: Connie Pinto, extension 5387
For Information contact: Nancy Gaffney, extension 5313
Date: March 02, 2005