



Report to: General Committee

Report Date: October 1, 2013

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**SUBJECT:** Staff Awarded Contracts for the Month of September 2013  
**PREPARED BY:** Alex Moore, Ext. 4711

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**RECOMMENDATION:**

1. THAT the report entitled “Staff Awarded Contracts for the Month of September 2013” be received;
2. And that Staff be authorized and directed to do all things necessary to give effect to this resolution

**PURPOSE:**

To inform Council of Staff Awarded Contracts >\$50,000 for the month of September 2013 as per Purchasing By-law 2004-341.

**BACKGROUND:**

Council at its meeting of May 26<sup>th</sup>, 2009 amended By-Law 2004-341, A By-Law Establishing Procurement, Service and Disposal Regulations and Policies. The Purchasing By-Law delegates authority to staff to award contracts without limits if the award meets the following criteria:

- The award is to the lowest priced supplier
- The expenses relating to the goods / services being procured is included in the approved budget (Operating/Capital)
- The award of the contract is within the approved budget
- The award results from the normal tendering process of the City (i.e. open bidding through advertisements that meet transparency and enables open participation)
- The award is to the lowest priced supplier
- The term of the contract is for a maximum of 4 years
- There is no litigation between the successful supplier and the City at the time of award
- There are no supplier protests at the time of contract award

If one (1) of the above noted criteria is not met then any contract award >\$350,000 requires Council approval.

Where the contract being awarded is a Request for Proposal (RFP) the approval authority limits of staff is up to \$350,000.

**Community & Fire Services**

Award Details	Description
Lowest Priced Supplier	<ul style="list-style-type: none"><li>• 160-T-13, Sanitary Lateral Inspection</li><li>• 111-Q-13 Emergency Generator Maintenance</li><li>• 143-T-13 Tennis/Basketball Courts Resurfacing/Reconstruction</li><li>• 202-Q-13 Retrofit of 2 Civic Centre Washrooms to Universal Accessible</li><li>• 234-T-13, Play Structure and Safety Surface for Markham Parks</li></ul>
Highest Ranked / Lowest Priced Supplier	<ul style="list-style-type: none"><li>• 182-R-13 Engineering Services for Pressure Separation Valve (PSV) Dead Ends Elimination</li></ul>
Preferred Supplier	<ul style="list-style-type: none"><li>• 252-S-13 Supply and Installation of Headwall and Starting Blocks at Cornell CC Pool</li></ul>

### Development Services

Award Details	Description
Sole Bidder	<ul style="list-style-type: none"><li>238-Q-13 Consulting Engineer Services for the Stormwater Management Guideline Update</li></ul>

15/10/2013

X 

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Joel Lustig  
Treasurer

16/10/2013

X 

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Trinela Cane  
Commissioner, Corporate Services



## STAFF AWARD REPORT

Page 1 of 2

To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	160-T-13, Sanitary Lateral Inspection
Date:	August 8, 2013
Prepared by:	David Huynh, Infrastructure Project Engineer, Waterworks, ext. 2400 Michelle Zhu, Senior Buyer / Analyst, ext. 2025

### PURPOSE

To obtain approval to award the Contract for the 2013 Sanitary Lateral Inspection

### RECOMMENDATION

Recommended Supplier (s)	Benko Sewer Service Div. of Badger Daylighting Ltd. (Lowest Priced Supplier)	
Current Budget Available	\$ 305,300.00	760-101-5399-13709 Sanitary Lateral Inspection
Less cost of award	\$ 300,900.95	Inclusive of HST*
Budget Remaining after this award	\$ 4,399.05	**

\*Actual cost of award is based on inspection of eight hundred and five (805) laterals in three (3) areas at a rate of \$373.79 per lateral.

\*\* The remaining balance of \$4,399.05 will be returned to the original funding source.

### BACKGROUND

Sanitary laterals are wastewater service pipes that connect the sanitary plumbing system inside private property to the City's sewerage collection system on the public right-of-way. Sanitary lateral consists of two (2) parts: the lateral private part located on the private side of the property line, and the lateral public part located on the public right-of-way. Private lateral part is under the owner's responsibility, and public lateral part is under the City's responsibility for inspection, maintenance and repair, to ensure continuous sanitary service to the property.

Common lateral defects that could be found with lateral inspection in mature neighborhoods are roots, blockages, fractures, broken or collapsed pipe. Defective lateral is the common cause of residential and business sewer backups.

This project is part of Waterworks annual sanitary system maintenance program to inspect the public lateral parts, identify any lateral defects for emergency repairs, or prioritize for annual lateral repair program. Proactive inspection and planning for proactive repair (before any potential backup occurs) would help to reduce risk and City's liability from residential and business sewer backups and wastewater spills to the environment.

Three (3) residential areas covered by this project are shown in the Attachment, generally located in the Clark Avenue, Henderson Avenue, Johnson Street, Grandview Avenue and Pinevale Road (neighbourhoods). Total number of laterals to be inspected is 805. Inspection is limited only to the public lateral part under the City's responsibility, with the use of conventional Closed-Circuit Television (CCTV) cameras. CCTV inspection causes no excavation or surface disruption. Disruption to sanitary service during CCTV inspection is also minimized.

### BID INFORMATION

Advertised	ETN
Bids closed on	July 30, 2013
Number picking up bid documents	12
Number responding to bid	4

### PRICE SUMMARY

Suppliers	Bid Price (including taxes)*
<b>Benko Sewer Service Div. of Badger Daylighting Ltd.</b>	<b>\$325,250.40</b>
Liqui-force Service (Ont) Ltd.	\$358,907.52
PipeFlo Contracting Corp.	\$531,110.88
DM Robichaud Assoc. Ltd	\$553,701.60

\*The bid price includes two (2) parts, Part A for lateral inspections and Part B for optional items. Due to the fact that bid price for Part A & Part B exceeded budget, and as allowed by the City's General Terms and Conditions, Staff evaluated Part B (Optional Items) and reduced the quantities in this section for award.

All four (4) suppliers are major suppliers in the marketplace and they have bid regularly on municipal works, Benko's bid price was 9.4% lower than the second lowest supplier. Furthermore, staff reviewed previous contracts and referenced project 220-R-11 West Thornhill Sanitary Lining Project for price comparison. Out of the total nine (9) items in current tender staff was able to identify two (2) cleaning items (representing 8.62% of the total contract cost) that was comparable to the previous contract, prices for these two items are identical to the 2011 prices for a \$1.9 million worth contract. Staff is of the opinion that prices submitted by Benko represent competitive market rates.

Based on the responses received from reference check, Benko is well equipped, provides quality work and good customer services, staff is confident that Benko will perform well to the City's satisfaction.

**FINANCIAL CONSIDERATIONS**

The 2013 budget had requested for 1,000 lateral inspections at \$305.30 per lateral. At time of procurement, Waterworks had increased the estimated unit cost to \$379.25 per lateral, taking into account work that may be required to prepare laterals for inspection including cleaning and obstruction removal. This type of work will likely be required as the three areas selected for lateral inspection are in older neighbourhoods. Number of lateral inspections was therefore reduced from 1,000 to 805 in order to stay within budget. Waterworks confirmed the reduction will not affect service levels, and that the laterals that had been deferred will be done as part of the 2014 lateral inspections.



## STAFF AWARD REPORT

Page 1 of 2

To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	111-Q-13 Emergency Generator Maintenance
Date:	October 15, 2013
Prepared by:	Rob Bell, Senior Facility Asset Coordinator, Ext. 3526 Patti Malone, Senior Buyer, Ext. 2239

### PURPOSE

To obtain approval to award the contract for emergency generator maintenance for One (1) year with option to renew for an additional Four (4) years at the same itemized pricing.

### RECOMMENDATION

Recommended Supplier	Genrep Ltd. (Lowest Priced Supplier)	
Budget available	\$ 20,000.00	Various Accounts *
Less cost of award	\$ 11,067.93	Sep 1-Dec 31, 2013 Inclusive of HST
	\$ 14,569.49	Jan 1-Dec 31, 2014 Inclusive of HST **
	\$ 14,569.49	Jan 1-Dec 31, 2015 Inclusive of HST **
	\$ 14,569.49	Jan 1-Dec 31, 2016 Inclusive of HST **
	\$ 14,569.49	Jan 1-Dec 31, 2017 Inclusive of HST **
	\$ 3,501.56	Jan 1-Aug 31, 2018 Inclusive of HST **
	\$ 87,416.93	Total Award Inclusive of HST
Budget Remaining after this award	\$ 5,430.51	***

\* Funded from the various City Departments Operating accounts on an as required basis.

\*\* Subject to Council approval of the annual 2014-2018 operating budget.

\*\*\*The remaining budget to remain in the various accounts for other building maintenance work.

### BACKGROUND

The contract requires yearly inspections (one annual and one semi-annual) of emergency generators and maintenance service at the following sixteen (16) sites.

- Fire Station 91
- Fire Station 92
- Fire Station 93
- Fire Station 94
- Fire Station 95
- Fire Station 96
- Fire Station 97
- Fire Station 98
- Fire Station 99
- Angus Glen Community Centre
- Cachet Pumping Station
- Carlton Pumping Station
- Enterprise Storm Lift Station
- Milliken Mills Park Lift Station
- Diamond Storm Lift Station
- Milliken Mills Soccer Dome

### BID INFORMATION

Advertised	ETN
Bid closed on	July 24, 2013
Number picking up document	9
Number responding to bid	6

**PRICE SUMMARY (Inclusive of HST)**

<b>Suppliers</b>	<b>Price inclusive of HST</b>
<b>Genrep Ltd.</b>	<b>\$14,569.49</b>
Wajax Power Systems	\$15,484.56
Power Station Standby Generator Services	\$19,278.43
Genco Generators Inc.	\$19,894.08
Northern Generator Company Ltd.	\$29,024.50
Standby Generator Services Inc.	\$42,313.78

Note: Compared to the previous contract this contract represents a 42.5% decrease due to having the full load test as part of the annual inspection. In the previous contract the full load test was a separately priced item that was conducted at a different time than the inspections.



## STAFF AWARD REPORT

Page 1 of 3

To:	Andy Taylor, Chief Administrative Officer
Re:	143-T-13 Tennis/Basketball Courts Resurfacing/Reconstruction
Date:	September 9, 2013
Prepared by:	Rob Hincks, Operation, Supervisor, ext. 2486 Patti Malone, Senior Buyer, ext. 2239

### PURPOSE

To obtain approval to award the contract to resurface /rebuild the following public courts: A) Resurface three (3) tennis courts at Duncan Park and two (2) tennis courts at Morgan Park; B) Rebuild three (3) tennis courts at Thornlea and two (2) tennis courts at Johnsvie Park; C) Rebuild one (1) basketball court at Bayview Lane, one (1) basketball court at Denison, one (1) basketball court at Legacy, one (1) basketball court at Milliken Mills and the half sized (1/2) basketball court at Sablewood Park.

### RECOMMENDATION

Recommended Supplier	Court Contractors Ltd. (Lowest Priced Supplier)	
Current Budget Available	\$ 522,400.00	Multiple Accounts (see Financial Considerations)
Less cost of award	\$ 313,090.08	Cost of Award
	\$ 31,309.01	Contingency (10%)
	\$ 344,399.09	Total Award Inclusive of HST
Budget Remaining after this award	\$ 178,000.91	Total

\* Out of the remaining funds of \$178,000.91, \$9,000.00 will be set aside for the Unionville clay court reimbursement, subject to Council approval through a Fall 2013 Council Report and \$169,000.91 will be returned to original funding source.

### BACKGROUND

For the past several years both public and club courts have been resurfaced or reconstructed utilizing a “penetration lift” process. The penetration lift courts will move and flex more without cracking, and can be rolled to reduce heaving that may occur. Throughout this same period all coloured court surfaces were treated with Plexipave acrylic colour system.

All basketball courts are resurfaced or reconstructed using standard asphalt paving practices.

The courts that are being reconstructed or resurfaced have reached their 7 year life cycle and condition assessment has deemed the courts in need of either reconstruction or resurfacing.

### Current Practice

#### *Tennis Court Reconstruction*

When utilizing the penetration lift process, tennis courts are reconstructed in layers or lifts, starting with a base material comprised granular ‘A’ or ¾ crusher run limestone and working up to finer stone and then sand, with an RS1 asphalt emulsion applied to each lift. Once the base is constructed a Plexibond Fiberglass System and two (2) layers of Acrylic Presurfacer is applied to the entire tennis court surface. Currently, only coloured public court and private court surfaces receive two (2) coats of Plexipave acrylic colour.

#### *Tennis Court Resurfacing*

When utilizing the penetration lift process for resurfacing only the Plexibond Fiberglass System, top layers of acrylic resurfacer and acrylic colour surfaces are removed. The same techniques utilized in the resurfacing specifications are used to re-apply the fiberglass, acrylic resurfacer and colour.

### Change in Standard for Public Courts

In order to standardize the City’s tennis court resurfacing standards and specifications, and provide equal service and quality for both public and club courts, the City has revised standards to include two (2) coats of Plexipave acrylic colour to all public courts (coloured and non-coloured) which represents an increase of approx. \$4,800 (including HST impact) per court in resurfacing costs for several of our older public courts.

**Tennis Court Life Cycle**

The current Life Cycle study assumes all courts are reconstructed every 7 years with two (2) coats of Plexipave acrylic colour. Based on our previous experience with courts constructed utilizing the penetration lift process, the typical life cycle is approximately 7 years before a one time resurfacing process would be implemented, which would extend the life cycle for another 7 years; after which the court would require full reconstruction. Resurfacing is approximately 1/3 the cost of reconstructing a court. There is therefore, adequate funding in the Life Cycle study for the change in standard.

At the next life cycle study update, staff will use the reconstruction and resurfacing history for the club courts as the model for trending and identifying which courts require resurfacing versus reconstruction to obtain more precise life cycle cost estimates.

**BID INFORMATION**

Advertised	ETN
Bids closed on	May 21, 2013
Number picking up bid documents	13
Number responding to bid	2*

\*Purchasing contacted bidders who picked up the document, however did not submit a bid. The following are the responses; one bid taker workload, one bid taker identified that they could not be competitive, five bid takers do not work with penetration asphalt and four bid takers just viewed the bid document.

The materials can be used by any contractors, but due to the limited market for this product, the time required to apply it and challenges with the untidy application of the product, there is a limited supply base in our area. The alternative material for this application is hot mix asphalt, poured in place rubber and plexipave (fiberglass overlays) which is not a preferred option by the City.

**PRICE SUMMARY (Inclusive of HST)**

Company	Price (Inclusive of HST)
<b>Court Contractors Ltd.</b>	<b>\$337,512.48</b>
Serve Construction Ltd.	\$698,174.34

Note: The awarded amount does not match the bid price due to Thornlea Tennis Courts being reduced by a quantity of one. This court will not be resurfaced and will be utilized as a ball hockey court. Also Plexipave acrylic colour has been added to all three Duncan Park courts.

**FINANCIAL CONSIDERATIONS**

Court Locations	Account	Original Budget	Cost of Award	Contingency	Balance Remaining
<b>Project 12259 2012 Court Resurfacing/Reconstruction Project</b>					
Duncan Park Tennis Courts 1 to 3	059-6150-12259-005	\$129,560.00	\$43,655.04	\$4,365.50	\$81,539.46
Thornlea Tennis Courts 1 to 3	059-6150-12259-005	\$129,560.00	\$113,335.20	\$11,333.52	\$4,891.28
Bayview Lane - Full Basketball Court	059-6150-12259-005	\$21,595.31	\$10,990.08	\$1,099.01	\$9,506.22
Denison - Full Basketball Court	059-6150-12259-006	\$21,595.31	\$8,954.88	\$895.49	\$11,744.94
Milliken - Full Basketball Court	059-6150-12259-007	\$21,595.31	\$8,954.88	\$895.49	\$11,744.94
Legacy Full Basketball Court	059-6150-12259-008	\$21,595.31	\$8,954.88	\$895.49	\$11,744.94
Sablewood - Half Basketball Court	059-6150-12259-009	\$10,798.77	\$3,663.36	\$366.34	\$6,769.07
<b>Subtotal 2012 Court Resurfacing/Reconstruction Project</b>		<b>\$356,300.00</b>	<b>\$198,508.32</b>	<b>\$19,850.83</b>	<b>\$137,940.85</b>
<b>Project 13425 2013 Court Resurfacing/Reconstruction Project</b>					
Johnsview Tennis Courts 1 & 2	059-6150-13425-005	\$83,050.00	\$84,460.80	\$8,446.08	(\$9,856.88)
Morgan Tennis Courts 1 & 2	059-6150-13425-005	\$83,050.00	\$30,120.96	\$3,012.10	\$49,916.94
<b>Subtotal 2013 Court Resurfacing/Reconstruction Project</b>		<b>\$166,100.00</b>	<b>\$114,581.76</b>	<b>\$11,458.18</b>	<b>\$40,060.06</b>
<b>Grand Total</b>		<b>\$522,400.00</b>	<b>\$313,090.08</b>	<b>\$31,309.01</b>	<b>\$178,000.91</b>



The cost for reconstruction identified in the life cycle is the 'average' cost per court. The Johnsvie tennis courts require the contractor to cross significant areas of parkland to access the courts thereby increasing their cost for material handling, equipment movement and turf restoration following completion.



### STAFF AWARD REPORT

To:	Brenda J. Librecz, Commissioner, Community & Fire Services
Re:	202-Q-13 Retrofit of 2 Civic Centre Washrooms to Universal Accessible
Date:	October 15, 2013
Prepared by:	Jason Vasilaki, Project Manager, ext. 2845 Patti Malone, Senior Buyer, ext. 2239

### PURPOSE

To obtain approval to award the contract for retrofit of 2 Civic Centre Washrooms to Universal Accessible.

### RECOMMENDATION

Recommended Supplier	002274084 Ontario Ltd. o/a GMP Contracting (Lowest Priced Supplier)	
Current Budget Available	\$ 155,504.99	Various Accounts (see financial considerations)
Less cost of award	\$ 82,013.27	Inclusive of Door Operators and HST
	\$ 7,602.98	Contingency (10%)
	\$ 89,616.25	Total Award Inclusive of HST
Budget Remaining after this award	\$ 65,888.74	*

\*The remaining funding in account 750-101-5399-12282 in the amount of \$2,872.23 will be used to pay for the building permit associated with this awarded work in the maximum amount of \$2,000 and the balance of \$872.23 will be returned to source. The remaining funding in account 750-101-5399-13300 in the amount of \$65,888.74 will be used to install other door operators at various City-owned facilities as budgeted for in the account.

### BACKGROUND

Markham Accessibility Design Guidelines 2011 identified the provision of universal toilet rooms as best practice. Universal toilet rooms allow the greatest flexibility, including larger floor space for people who require assistance and may be accompanied by a caregiver or companion, as well as to accommodate larger mobility aids such as power wheelchairs and scooters.

The Civic Centre does not currently have any universal toilet rooms. The project includes the retrofitting of one existing male multi-occupancy washroom and one existing female multi-occupancy washroom on the main floor, across the corridor from the Clerks desk into two universal toilet rooms (washrooms). The universal washrooms will be centrally located in the public area (main floor) of the Civic Centre and may be used by any gender or by parents with young children.

Markham Accessibility Design Guidelines 2011 stipulates that automatic door operators (power-assisted doors) are required at accessible washrooms.

The work is projected to be awarded mid-September, 2013 and completed by the end of 2013.

### BID INFORMATION

Advertised	Invite Only
Bids closed on	August 15, 2013
Number picking up bid documents	4
Number responding to bid	4

### PRICE SUMMARY (Inclusive of Door Operators and HST)

Suppliers	Bid Price
<b>002274084 Ontario Ltd. o/a GMP Contracting</b>	<b>\$82,013.27</b>
Dontex Construction Ltd.	\$91,045.69
P & C General Contracting Ltd.	\$91,862.37
Silver Birch Contracting Ltd.	\$106,980.29

**FINANCIAL CONSIDERATIONS**

<b>Account Name</b>	<b>Account #</b>	<b>Original Budget</b>	<b>Budget Available</b>	<b>Amount to Allocate to this project</b>	<b>Budget Remaining</b>
Accessibility Retrofit Program (Universal Washrooms)	750-101-5399-12282	184,000.00	86,504.99	83,632.76	2,872.23
Accessibility Retrofit Program (Door Operators)	750-101-5399-13300	86,500.00	69,000.00	5,983.49	63,016.51
<b>Totals:</b>		<b>270,500.00</b>	<b>155,504.99</b>	<b>89,616.25</b>	<b>65,888.74</b>

**STAFF AWARD REPORT****Page 1 of 2**

To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	234-T-13, Play Structure and Safety Surface for Markham Parks
Date:	September 4, 2013
Prepared by:	Doug Henderson, Supervisor, Parks Operations, ext. 7997 Michelle Zhu, Senior Buyer / Analyst, ext. 2025

**PURPOSE**

To obtain approval to award the Contract for Play Structure and Safety Surface for Coppard and Denison Park.

**RECOMMENDATION**

Recommended Supplier (s)	1748318 Ontario Inc. o/a Advanced Landscapes (Lowest Priced Supplier)	
Current Budget Available	\$ 235,148.00	059-6150-13420-005 Playstructure & Safety Surface
Less cost of award	\$ 203,330.04	Inclusive of HST
Budget Remaining after this award	\$ 31,817.96	*

\* The remaining balance of \$31,817.96 will be returned to original funding source.

**BACKGROUND**

The existing playground and rubberized safety surface at Coppard Park and Denison Park, were installed prior to the development of the CAN/CSA-Z614 "Children's Playspaces and Equipment" guidelines in 1998. This contract is to supply and install a new playground and rubberized safety surface at Coppard Park and Denison Park in order to become compliant with CSA-Z614-07. The playgrounds were last replaced in 1997 and the rubber surface was installed when the Parks were built 25 plus years ago, as such, both the playground and rubber surface is past its life cycle of 15 years.

The Coppard Park site is located on adjacent to Highglen Ave. and Coppard Ave. on the south-east corner. The nearest major intersection is Markham Road and Fourteenth Ave. There is an existing playground pit with a senior unit, one single bay and one spring toy as well as rubber safety surfacing; there is a second existing playground pit with a granite sand surface containing one single bay swing.

The Denison Park site is located adjacent to Mallory Ave. and Denison St. on the north-east corner. The nearest major intersection is Kennedy Rd. and Denison St. There is one existing playground pit with a rubber surface containing a combined senior unit, two spring toys and two benches. The existing rubber surface is enclosed by timber edging and asphalt paving.

The contract will start as soon as it is awarded and project completion is projected to be in December 2013, weather permitting.

**BID INFORMATION**

Advertised	ETN
Bids closed on	August 29, 2013
Number picking up bid documents	19
Number responding to bid	3

**PRICE SUMMARY**

Suppliers	Total Bid Price (including taxes)
1748318 Ontario Inc. o/a Advanced Landscapes	\$203,330.04
Mopal Construction Ltd.	\$214,510.08
Hawkins Contracting Services Ltd.	\$217,021.52

**FINANCIAL CONSIDERATIONS**

In 2010, the City completed a playground equipment replacement with rubber surfacing at James Edward Park in which the price per square foot was \$62 as compared to this contract award at \$30 per square foot. Of note, Coppard and Denison Park together are 8 times larger than James Edward Park and as such, the contractor can take advantage of the economies of scale. Also, there is now more competition in this field of work compared to three years ago. Both of these factors contributed to lower cost on a per square foot basis. Note that the budget had incorporated latest quoted prices and was not based on historic award prices.



## STAFF AWARD REPORT

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	182-R-13 Engineering Services for Pressure Separation Valve (PSV) Dead Ends Elimination
Date:	September 10, 2013
Prepared by:	Paul Li, Senior Infrastructure Project Engineer, Waterworks, ext. 2646 Michelle Zhu, Senior Buyer / Analyst, ext. 2025

### PURPOSE

To obtain approval to award the contract for Engineering Services for Pressure Separation Valve (PSV) Dead Ends Elimination.

### RECOMMENDATION

Recommended Supplier (s)	Chisholm, Fleming and Associates (Highest Ranked / Lowest Priced Supplier)	
Current Budget Available	\$ 609,028.51	053-6150-12331-005 Water System Upgrade Program
Budget Allocated to this Award	\$ 102,300.00	
Less cost of award	\$ 124,377.18	Inclusive of HST
	\$ 12,437.72	<u>Contingency @ 10%</u>
	\$ 136,814.90	Total Cost of Award (inclusive of HST)
Budget Shortfall	(\$ 34,514.90)	*

\*The budget shortfall to be funded from the construction component of account 053-6150-12331-005 Water System Upgrade Program, which was allotted a budget of \$506,728.51. As this is the first time Markham is contracting out this type of work and the cost of construction cannot be estimated until the designs are completed, Staff recommends the construction component of the budget be used to fund this shortfall and adjusted if necessary at time of tender, subject to the proper approvals and in accordance to the Expenditure Control Policy.

### BACKGROUND

There are ten (10) pressure zones in the Markham water distribution system. Pressure Separation Valves (PSV's) are located at the boundaries between adjacent pressure zones. PSV's are kept in closed position under normal operating conditions to separate the different pressure zones. Watermains adjacent to the PSV's become dead ends where water can stagnate. Markham undertakes water flushings at regular intervals to circulate the water to avoid water quality issues.

The City of Markham Waterworks department is undertaking a program to eliminate dead ends in the water distribution system to reduce the amount of water flushing, water loss and improve water quality. Part of this program is to develop and implement viable solutions to reduce water stagnation at forty-three (43) dead ends created by the PSV's.

Staff released a Request for Proposal (RFP) to retain an engineering firm for the PSV dead ends elimination. Scope of work includes mainly the inspection of PSV chambers, topographic survey and design of PSV by-passes for all forty-three (43) locations.

### OPTIONS/DISCUSSIONS

Through recent inspections, it was identified that a number of PSV chambers were filled with water through infill and/or infiltration, which would make it impossible to install the equipment that is required for the PSV dead ends elimination project. As such, Staff had to add the drain connection design to the consultant's requirements in order to properly drain the PSV chambers and allow for installation of equipment, which consequently led to the project coming in over initial budget estimates.

### BID INFORMATION

Advertised	ETN (Electronic Tendering Network)
Bids closed on	August 6, 2013
Number picking up bid documents	10
Number responding to bid	3

**PROPOSAL EVALUATION**

The evaluation team was comprised of Staff from the Waterworks department with Purchasing staff acting as the facilitator. The evaluation was based on pre-established evaluation criteria outlined in the Request for Proposal: 20% qualifications and experience of the firm, 20% demonstrated understanding of the project, 30% project management and 30% price, totaling 100%, with the resulting scores as follows:

<b>Suppliers</b>	<b>Total Score</b>	<b>Rank</b>
<b>Chisholm, Fleming and Associates</b>	<b>86.4</b>	<b>1</b>
AECOM Canada Ltd.	65.8	2
Cole Engineering Ltd.	59.1	3

Prices ranged from \$124,377.18 to \$288,173.21.

Chisholm's proposal demonstrated to the City's satisfaction that they have the experience and capability to undertake a project of this size and scope. They have a good understanding of the project requirements and provided a satisfactory methodology and work plan to complete the work. Feedbacks from reference check confirm that Chisholm is a qualified firm with knowledgeable engineers.



### STAFF AWARD REPORT

To:	Andy Taylor, Chief Administrative Officer
Re:	252-S-13 Supply and Installation of Headwall and Starting Blocks at Cornell CC Pool
Date:	September 12, 2013
Prepared by:	Lori Wells, Community Manager South, Ext 7536 Rosemarie Patano, Senior Buyer, ext.2990

#### PURPOSE

To obtain approval to award the contract for the Supply and Installation of Headwall and Starting Blocks at Cornell CC Pool.

#### RECOMMENDATION

Recommended Supplier	Nationwide Commercial Aquatics (Preferred Supplier)	
Current Budget Available for this item	\$ 739,204.00	070-5350-10556-005 Cornell CC & Library FF&E
Less Cost of Award	\$ 102,574.08	Total Cost of Award (Incl. of HST)
Budget Remaining after this award	\$ 636,629.92	*

\* The remaining balance of \$636,629.92 in account 070-5350-10556-006 will be applied to other FF&E requirements as budgeted for within this account such as timing system, blinds, additional signage, cabling, rekeying and security system.

Staff recommends: THAT the tendering process be waived in accordance with Purchasing By-Law 2004-341, Part II, Section 7 Non Competitive Procurement, item 1(b) which states "Where there is only one source of supply for the goods to be purchased".

#### BACKGROUND

The Pool at Cornell CC is a Myrtha Pool and was supplied/installed by Nationwide Commercial Aquatics (NCA) through the construction contract with the general contractor (PCL Construction). The pool was designed to accommodate a headwall, starting blocks and timing system which are critical for hosting swim meets by local and regional swim clubs.

The Myrtha headwall system is designed to match the existing Myrtha pool and is installed in/over the deep end gutter and hosts the timing components. This system includes lane rope anchors, starting platforms anchors, timing cable tray with the colours matching the Myrtha pool finishes. This system permits the installation of Fédération Internationale de Natation (FINA) touch pads for events in the pool, which requires the touch pads be mounted 300mm above water level. (Note: FINA is the International Swimming Federation).

The Myrtha starting blocks are starting platforms numbered 1 to 8 and include backstroke bars and mounts on the headwall.

#### OPTIONS/DISCUSSIONS

The Myrtha Headwall and Starting Blocks is the same system that is being provided for the Markham Pan Am Centre. NCA will be supplying the equipment and through this process have gone through a procurement review by Infrastructure Ontario. The pricing for the project in Markham is consistent with that for the Pan Am Centre.

The headwall hosts the starting platforms which are FINA and Swimming Canada Standard. The system also hosts all the timing cables and deck plates mounts which prevents/eliminates the need for having cords for the timing system attached to the system all over the deck and increase the trip risk factor during swim competitions. Alternatives to the Myrtha Headwall and starting platforms were investigated and the option would not meet the standards expected by local swim clubs or Swimming Canada.

In Canada there is only one distributor of a Myrtha Pool and/or Myrtha parts such as Headwall and Starting Blocks. The distributor is NCA. While there are four approved installers of Myrtha Pool and/or Parts in Ontario (2 in Toronto, 1 in London, 1 in Kingston), these four companies cannot procure any of the required parts for this contract without going through NCA.

Additionally, the headwall needs to be installed by authorized Myrtha technicians to ensure the City does not jeopardize the current warranty with NCA.



**STAFF AWARD REPORT****Page 1 of 2**

To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	238-Q-13 Consulting Engineer Services for the Stormwater Management Guideline Update
Date:	September 9, 2013
Prepared by:	Abdullah Hossain, Sr. Environmental Engineer, ext. 2628 Robert Slater, Senior Construction Buyer, ext. 3189

**PURPOSE**

To obtain approval to award the contract for consulting engineering services for the Stormwater Management (SWM) Guideline Update.

**RECOMMENDATION**

Recommended Supplier	AMEC (Sole Bidder)	
Current Budget Available	\$ 61,100.00	750-101-5699-13360 SWM Guideline Update
Less cost of award	\$ 52,101.12	Inclusive of HST
	<u>\$ 5,210.11</u>	Contingency (10%)
	\$ 57,311.23	Total cost of award
Budget Remaining after this award	\$ 3,788.77	

\*The remaining balance of \$3,788.77 to be returned to the original funding source.

**BACKGROUND**

The City of Markham's Stormwater Management (SWM) Guideline was last updated in 1995. Since then, significant changes have been incorporated into today's design of modern SWM. In addition, many changes have also been introduced in applicable regulatory requirements by the Ministry of Environment (MOE), Toronto and Region Conservation Authority (TRCA), Ministry of Natural Resources (MNR) and the Department of Fisheries and Ocean (DFO).

In late 2007, the City hired Aquafor Beech Ltd (AB), through an open bid process, to update the City's SWM Guideline. Staff was not satisfied with AB's performance and quality of work. Staff discussed the issue with senior staff from Engineering, Asset Management, Legal and Purchasing Departments and requested the termination of AB on this assignment due to the poor performance and significant delays to the original schedule. The contract with AB was terminated in November 2012, at that time the SWM guideline document was approximately 70% completed with gaps in each of the 11 sections. The City needs to complete the missing sections and review the works previously completed by AB in order to have the SWM guideline finalized and ready for use. Additional work required includes, but is not limited to the following:

- Collect and review City's policy and guidelines documents and other relevant documents from various external agencies like TRCA, MOE, MNR, etc.;
- Review, edit and finalize Sections 1-5 of the draft guidelines document prepared by AB;
- Revise and rewrite Sections 6-11 of the guidelines document and finalize the document as required to ensure consistency with current City and regulatory agency requirements; and
- Update graphic works such as figures and diagrams of the AB's draft documents as require.

**BID INFORMATION**

Advertised	By Invitation
Bids Closed on	August 30, 2013
Number picking up bid documents	5
Number responding to bid	1

**PRICE SUMMARY (INCLUSIVE OF HST)**

<b>Supplier</b>	<b>Bid Price</b>
<b>AMEC</b>	<b>\$52,101.12*</b>

Since the SWM guideline update is a very specialized engineering assignment and only few consultants in the GTA area have the experience to undertake such assignment. Staff, in consultation with Purchasing Department, invited quotation from five (5) consulting companies specialize in this field. Out of the five consulting companies only AMEC submitted a proposal for this assignment. Three declined due to current workload and a fourth, declined stating its inability to resolve an issue with the City's Indemnity clause as stated in the General Terms and Conditions. AMEC is a well qualified engineering consultant with specialization is stormwater management engineering. The quoted price by AMEC is \$51,200 (excluding HST).

Working with the User Department, Purchasing issued a Request for Quotation (RFQ) to solicit competitive bids. The price submitted by AMEC resulted in a reduction of \$3,000 over an original cost estimate quoted to Asset Management.

Staff reviewed the AMEC's proposal including project team organization, and is of the opinion that AMEC has the capacity, knowledge and expertise to complete this assignment on time and on budget.