

SCHEDULE OF PRICES

ITEM NO.	ITEM	OPSS NO.	EST. QTY.	UNIT	UNIT PRICE	TOTAL AMOUNT
	PART "A" SITE PREPARATION					
1	Supply and install silt fence barrier	805 & S.P.	530.0	m		
2	Straw bales (by location)	805 & S.P.	1	each		
3	Pre-construction Survey for existing dwellings	S.P.	1	L.S.		

SUB-TOTAL PART "A" _____

TENDERER'S INITIALS _____

SCHEDULE OF PRICES

ITEM NO.	ITEM	OPSS NO.	EST. QTY.	UNIT	UNIT PRICE	TOTAL AMOUNT
	PART "B" WATERMAIN					
1	Remove and dispose of existing 25mm water service, standpost and tee and install new 150 off 300 tee (c/w full road reinstatement)		1	L.S.		
2	Supply and install watermain					
	i) 150 mm dia. - PVC DR 18 CLASS 150	441 & S.P.	128.5	m		
	ii) 150mm dia. - Ductile Iron DI-CL-52		26.5	m		
3	Supply and install valve & valve box					
	i) 150 mm dia.	441 & S.P.	1	each		
4	Proposed water meter c/w 1200mm dia. manhole with valve chamber cover (structure to be sealed and benched towards storm outlet pipe)	S.P.	1	L.S.		
5	Proposed remote water meter to be located inside building c/w all electrical	S.P.	1	each		
6	Proposed water stack c/w two (2) hose connections and valves		2	each		
	Provisional items					
7	Subexcavation for trench	S.P.	10.0	m ³		

SUB-TOTAL PART "B" _____

TENDERER'S INITIALS _____

SCHEDULE OF PRICES

ITEM NO.	ITEM	OPSS NO.	EST. QTY.	UNIT	UNIT PRICE	TOTAL AMOUNT
	PART "C" STORMSEWERS					
1	Supply and install structures					
	i) 600mm x 600mm catchbasin	407 & S.P.	3	each		
	ii) 1200mm catchbasin in manhole		3	each		
2	Supply and install storm sewer					
	i) 100mm dia. PVC SDR 35		4.5	m		
	ii) 150mm dia. PVC SDR 35		21.0	m		
	iii) 200 mm dia. PVC SDR 35		44.0	m		
	iv) 250 mm dia. PVC SDR 35	410 & S.P.	215.5	m		
	v) 150mm dia. perforated subdrain c/w geosock		35.0	m		
3	Supply and install rodent screen (300mm)		1	each		
4	Supply and install gabion stone (100-200mm)-0.4m thick ($\pm 7m^2$) with geotextile, Terrafix non-woven 370RS or equivalent	511 & 1860	1	L.S.		
5	T.V. Inspection and report					
	i) Initial		1	L.S.		
	ii) Final (after one year)	409 & S.P.	1	L.S.		

SUB-TOTAL PART "C" _____

TENDERER'S INITIALS _____

SCHEDULE OF PRICES

ITEM NO.	ITEM	OPSS NO.	EST. QTY.	UNIT	UNIT PRICE	TOTAL AMOUNT
	PART "D" PARKING, CURBS AND WALKWAYS					
1	Subgrade preparation for parking area	314 & S.P.	980.0	m ²		
2	Supply, place and compact granulars for parking area					
	i) 300 mm thick of granular "B" Type II	501, 1010 & S.P.	980.0	m ²		
	ii) 150 mm thick of granular "A" Type II		825.0	m ²		
3	Concrete barrier curb	353 & S.P.	193.0	m		
4	Asphalt walkway (2.0m wide) c/w 150mm thick granular "A" Type II and 300mm thick granular "B" Type II (including all park accesses)	353 & S.P.	1085.0	m ²		
5	Supply, place and compact asphalt for parking area					
	i) 40mm thick HL8 for parking area	310 & S.P.	880.0	m ²		
6	Iron work adjustments (Initial)					
	i) Valve and valve box		1	each		
	ii) Valve chamber (for water meter)		1	each		
	iii) Parking area storm structures	408 & S.P.	2	each		
	iv) Grassed area storm structures		4	each		
	v) Existing and valve and valve box (ice rink)		1	each		
7	Iron work adjustments (Final)					
	i) Parking area storm structures	408 & S.P.	2	each		
8	Supply and install post and rail wooden fence along top of retaining wall		36.0	m		

SCHEDULE OF PRICES - ADDENDUM 2

ITEM NO.	ITEM	OPSS NO.	EST. QTY.	UNIT	UNIT PRICE	TOTAL AMOUNT
	PART "D" (CONTINUED) PARKING, CURBS AND WALKWAYS					
9	Remove, dispose off-site and replace existing 1.5m-wide sidewalk c/w 150 mm thick granular "A" type II (±12.0 m ²)	510 & S.P.	1	L.S.		
10	Remove, dispose off-site and replace existing concrete barrier curb (±13.0 m)	510 & S.P.	1	L.S.		
11	Proposed armour stone retaining wall c/w granular base and backing and all relevant appurtenances		46.5	m ²		
12	Proposed concrete steps from Building 'B' to existing skating rink		1	L.S.		
13	Concrete pads for park benches - 150mm thick, 0.9m x 2.4m, c/w two sawcuts at 0.8m, wire mesh at midway depth and 200mm thick granular "A" Type II (Park benches supplied and installed by others) (Assume no additional fill requirement)		10	each		
	Provisional Items					
14	Extend asphalt walk way along proposed skating trail around existing skating rink (2.0m wide) c/w 150mm thick granular "A" Type II and 300mm thick granular "B" Type II	353 & S.P.	330.0	m ²		
15	Subgrade preparation for parking expansion	314 & S.P.	455.0	m ²		
16	Supply, place and compact granulars for parking expansion					
	i) 300 mm thick of granular "B" Type II	501, 1010 &	455.0	m ²		
	ii) 150 mm thick of granular "A" Type II	S.P.	400.0	m ²		
17	Supply, place and compact final asphalt lift for parking area					
	i) 40mm thick HL3	310 & S.P.	880.0	m ²		
18	Iron work adjustments (Final)					
	i) Parking area storm structure	408 & S.P.	1	each		
19	Supply and install wooden post and rail fence (along walk way and top of hill)		176.5	m		
20	Filter Fabric Terrafix non-woven 270R or equivalent for parking area	511 & S.P.	350.0	m ²		
21	Subexcavation for parking area	S.P.	45.0	m ³		
22	Subexcavation for soft spots	S.P.	15.0	m ³		
23	Subexcavation for walkway	S.P.	30.0	m ³		

SUB-TOTAL PART "D" _____

TENDERER'S INITIALS _____

SCHEDULE OF PRICES - ADDENDUM 2

ITEM NO.	ITEM	OPSS NO.	EST. QTY.	UNIT	UNIT PRICE	TOTAL AMOUNT
	PART "E" EARTH MOVEMENT AND LANDSCAPING					
1	Site grading - includes back of existing sliding hill, outline of existing skating area and general grading to accommodate new walkway and skating trail	314 & S.P.	1	L.S.		
2	Swale excavation c/w positive drainage of surrounding areas	206 & S.P.	1	L.S.		
3	Topsail stripping (Contractor to decide if topsail to be kept and screened or hauled off-site)		20200.0	m ²		
4	Supply and plant shrubs in park (by others)		1	L.S.	N/A	N/A
5	Supply and place 150mm topsail and hydrosailing (can use screened topsail) (Contractor shall move offsite for 3 weeks to allow for shrub installation)	507, 804	20200.0	m ²		

SUB-TOTAL PART "E" _____

TENDERER'S INITIALS _____

SCHEDULE OF PRICES - ADDENDUM 2

ITEM NO.	ITEM	OPSS NO.	EST. QTY.	UNIT	UNIT PRICE	TOTAL AMOUNT
	PART "F" BUILDING COMPONENTS					
1	Foundation		2	L.S.		
2	Wall structure including doors etc.		2	L.S.		
3	Roof structure		2	L.S.		
4	Exterior finishes		2	L.S.		
5	Interior finishes		2	L.S.		
6	Electrical components as per specification drawings					
	i) Building A		1	L.S.		
	ii) Building B		1	L.S.		
7	Supply and install weather resistant, insulated flap door for water hose access		2	L.S.		
8	Gas					
	i) Supply and install 100mm steel bollards for gas meter as per City of Ottawa standard drawing F5 (Gas meter to supplied and installed by others)	S.P.	2	each		
	ii) Supply and install Rexnor indoor heaters (30,000 BTU) c/w gas line from meter, hydro line connection, outlet vent, thermostat and all relevant appurtenances	S.P.	2	each		
	iii) Supply and install Reznor outdoor heaters (60,000 BTU) c/w gas line from meter, hydro line connection, outlet vent, timer, push start button and all relevant appurtenances	S.P.	2	each		

SUB-TOTAL PART "F" _____

TENDERER'S INITIALS _____

SCHEDULE OF PRICES - ADDENDUM 2

ITEM NO.	ITEM	OPSS NO.	EST. QTY.	UNIT	UNIT PRICE	TOTAL AMOUNT
	PART "G" UTILITIES					
1	Coordinate with locates company and locate existing gas line on Dr. Corbeil Blvd with hydrovac prior to installation		1	L.S.		
2	Excavate trench, supply and install sand and backfill					
	i) For gas line		35.0	m		
	ii) For common trench including gas	S.P.	138.5	m		
	iii) For common trench without gas		718.0	m		
3	Hydro					
	i) Supply and install hydro wire (direct buried)(wire size specifications to be provided by Contractor)	604	145.0	m		
4	Gas					
	i) Supply and install 1 inch and 1¼ inch gas line for building heaters c/w connection to existing on Dr. Corbeil Blvd. up to and including gas meter (Gas meter to be supplied and installed by others)	S.P.	175.0	m	By others	By others
5	Lighting					
	i) Supply and install park lights concrete base (Philips UrbanScape Post-Top LED)		17	each		
	ii) Supply and install park lights concrete base (for the Philips Gardco Powerform LED)		2	each		
	iii) Supply and install park light (Philips UrbanScape Post-Top LED) c/w power and acoustic wires (wire specifications to be provided by Contractor)	S.P.	17	each		
	iv) Supply and install park light (Philips Gardco Powerform LED) c/w power and acoustic wires (wire specifications to be provided by Contractor)		2	each		

SUB-TOTAL PART "G" _____

TENDERER'S INITIALS _____

PART "A" – SITE PREPARATION	\$	_____
PART "B" – WATERMAINS	\$	_____
PART "C" – STORM SEWERS	\$	_____
PART "D" – PARKING, CURBS AND WALKWAYS	\$	_____
PART "E" – EARTH MOVEMENT AND LANDSCAPING	\$	_____
PART "F" – BUILDING COMPONENTS	\$	_____
PART "G" – UTILITIES	\$	_____
SUB-TOTAL		_____
TOTAL TENDER PRICE (INCLUDING ALL TAXES)		=====

THE CONTRACTOR SHALL TRANSFER THE TENDER PRICE TO SECTION 4.6 OF THIS DOCUMENT

Special Provisions for Underground and Road Construction (Supplement to OPSS 400 Series)

The Contractor must refer to the most current OPS General Conditions

1. GENERAL

Notwithstanding the provisions contained in the Ontario Provincial Standard Specifications, payment of items is based on the units as indicated on the "Schedule of Prices."

Construction / Installation of all items shall be as per the corresponding contract drawings, specifications, standard detail drawings as attached or referred to.

The contractor shall take proper care to protect and maintain adjacent streets from debris, excavation and construction materials. The contractor, at no extra cost, will clean and repair any areas which are damaged or left in an unsuitable condition to the satisfaction of the Engineer arising from the performance of this contract.

The contractor is hereby advised that all excavated material including asphalt, sidewalks and any other unsuitable material, etc. are required to be disposed of off-site at no extra cost. The contractor shall make his own arrangements with respect to disposing of unsuitable material.

After the rough grading and the topsoil/hydroseeding placement, the contractor shall allocate a time window (3 weeks) for a landscape contractor to complete the property landscaping (not part of this contract). The exact timeline shall be agreed upon with the Engineer, City and Contractor before the beginning of construction.

2. PRE-CONSTRUCTION SURVEY

The contractor shall retain a qualified firm to carry a **pre-construction survey** for existing homes, including exterior and interior inspection and submit it to the engineer. All damages, caused by vibrations etc., will be the responsibility of the contractor.

The retained firm shall be responsible to assess the necessary amplitude and boundaries of the pre-construction survey.

3. GRAVEL CATCH

A "gravel catch" constructed of a plywood plate or filter cloth shall be provided on all catch basins, valve chambers and manholes when the T.V. inspection is completed or prior to the commencement of parking construction and site grading, whichever is earlier. The plywood shall be affixed to the structure by bracing.

4. SHEETING

Any sheeting, shoring, bracing or the use of construction safety boxes necessary for the proper performance of this contract shall be supplied by the Contractor, at no extra cost to this contract.

5. ELEVATION OF APPURTENANCES

All catchbasins, catchbasin manholes, valve chambers and valve boxes shall be constructed to an elevation flush with base course asphalt when they lie within the proposed driving surface. Outside

these areas, they will be constructed either to a given elevation, or to 150mm above existing ground. In no case will spacers in excess of 400mm be accepted when adjusted to top course asphalt. All dimensions are to be top of the frame and cover.

6. TOPSOIL STRIPPING

The existing topsoil thickness is in the range of 100mm. It is up to the contractor to verify the exact amount. Soils information in section 4.4 shows the topsoil thickness prior to the original park construction. Topsoil stripping shall be done by the Contractor as detailed in the Schedule of Prices. The Contractor shall decide if the existing topsoil is to be kept on site for screening or be hauled off-site.

7. SUBEXCAVATION

Where subexcavation below pipelines is approved by the Engineer, the pay depth shall be the theoretical bottom of bedding to the bottom of subexcavation. Pay width shall be 0.6 metres greater than the inside pipe diameter (1.2 metres minimum width). Replacement of excavated material with Granular "B" Type II backfill material shall be included in the unit price along with excavation to good bearing ground as determined by the Engineer and disposal of the subexcavated material shall be spread on site as directed by the Engineer

8. CERTIFIED BLASTERS (If required)

The Contractor shall provide the name and certificate number of any employee holding a Lifetime Blasting Certificate who will supervise blasting required under this contract. Copies of daily records outlining blast times, amount of charge and monitoring reports shall be provided on request. The contractor shall be responsible for any damage caused by blasting.

9. ROCK EXCAVATION AND BLASTING (If required)

Rock excavation shall be paid on a unit price basis as listed in schedule of prices. Rock excavation will include the excavation of all boulders more than 0.5m³ in volume or solid ledge rock or concrete foundation which in the opinion of the engineer requires for its removal drilling and blasting or wedging or sledging. No soft or disintegrated rock which can be removed with a pick, or loose, shaken or previously blasted rock will be measured or allowed. Frozen materials or ice shall not be classified as rock nor will extra payment be allowed for excavating the same. The tendered unit price shall include cost of rock excavation, disposal off site, dewatering, sheeting, shoring, excess excavation for required safe side slopes, backfill as specified, compaction, disposal and trucking of all surplus excavation, excess excavation at structures, pre-excavation for verification of existing utilities, pre-blasting survey for existing homes within prescribed radius and all other associated works.

Pay limits for rock excavation shall be actual trench dimensions up to a maximum of:

- Width: - for pipes 600mm dia. inclusive - 1.2 meters;
- 675mm dia. and larger - inside diameter of pipe plus 1.0 m;
- for service trenches 1.2 metres total width, for a length equal to actual rock removed to the lot line (2 metres shatter required beyond lot line).
- Depth: - existing rock surface to 300mm below invert of pipe

In computing the rock quantities, there shall be no allowance made for extra widths at sewers and watermain appurtenances (e.g. at manholes, valve chambers, catchbasins, etc.). No payment shall be made for rock shatter beyond the dimensions used above. Sections shall be taken at 15.0 metres intervals or at significant change in grade.

10. EXCESS MATERIALS

SEE ITEM 19 – MASS EARTH MOVEMENT

11. WATERMAIN CONSTRUCTION

- (a) The Contractor shall supply and install watermain material in accordance with the current OPS specifications and drawings and be responsible for supplying all applicable information (e.g. shop drawings, products sheets, O&M instructions, etc.). The Ontario Clean Water Agency (OCWA) will be supervising all operations, quality and safety aspect of the watermain installation. All existing valves shall be operated by OCWA.
- (b) Under the unit price bid for the installation of watermains, the price shall include watermain pipes, cathodic protection, tracing wires, tees, bends, reducers, joints, bonnets, thrust support, excavation, bedding and compacted (95% SPD) backfilling with acceptable native material and all required testing after installation (pressure test). PVC watermains shall be Class 150, DR 18 and installed at the elevation shown on the approved contract drawings
- (c) The price for valves shall include all work to completely install the valve complete with chambers, frames and covers. The frames and covers are to be adjusted to base course asphalt. The price for valves and boxes shall include all costs to install the valves and boxes to City standards. The valve and box must be plumb and adjusted to base course asphalt elevation. Once the chambers and boxes are completely installed, the Contractor shall use a "key" to verify the chamber frame and cover and/or boxes are centred over the valve operating nut. The cost of valves shall also include pumping and cleaning of valve chambers and appurtenances for FINAL watermain inspection for City.
- (d) The price for location and connection to existing mains shall include all Contractor's costs to excavate, make connections and place compacted backfill. Under the Consultant and OCWA's supervision, the contractor will excavate, make the actual connection and backfill.
- (e) All fire hydrants are to be 150mm diameter. The price for hydrants is to include lead, connection to main, thrust block and stone. Hydrants must be installed to the exact grades as per the contract drawings. Any adjustments required after installation will be the responsibility of the Contractor.
- (f) Reinstatement of trench cuts into existing streets shall be to the satisfaction of the road authority and to a minimum of compacted granular "B" type II for full depth of trench, unless directed to backfill with native material to top of pipe cover in which case granular "B" material must be placed to a depth prescribed by the road authority, 150mm OPSS 1010 Granular "A" material, asphalt depth to match existing at no extra cost to this contract. This connection will require 450mm granular "B", 150mm granular "A" and two (2) layers of 50mm of HL8 asphalt.
- (g) Water required for initial, filling, pressure testing, chlorination and flushing of the new mains will be provided at no cost to the Contractor. If additional water is required as a result of failure of the initial procedures to provide acceptable results, the additional cost will be charged to the contractor at the prevailing bulk water charge rate.
- (h) The Owner will obtain but not pay for all water permits and all regional inspection and supervision, chlorination, as applicable. The Contractor shall provide all necessary bonnets at the limit of the contract.
- (i) If the amount of dewatering is equal to or exceeds 50,000 L/day, obtain a Permit to Take Water (PTTW) from the Ministry of Environment. Discharge all water from dewatering operations using appropriate sediment and erosion control.



- (j) In locations where the depth of the watermain is less than 2.4m, thermal insulation shall be placed on top and on both sides of the watermain as per OPS.
- (k) The proposed water meter shall be AMCO Industrial Turbine Meter (6") or equivalent. The water meter shall be sealed and water resistant.
- (l) The water siamese connection and gate valve shall be as per specification drawings in section 4.3 of this document. The stack shall be 150mm in diameter and the hose outlet nozzle shall be 64mm. The proposed flap door shall be at the same elevation as the hose outlet nozzle in order to facilitate usage.

12. SEWER CONSTRUCTION

- (a) Under the unit prices bid for the installation of sewers and appurtenances, the Contractor shall provide all equipment, labour and material necessary to excavate, place compacted Class "B" bedding to connect and/or brake into existing manholes or pipes, provide bulkheads, place sewers and structures, backfill with compacted native material to **road subgrade level or below topsoil level** as per municipal standards and dispose of all excess excavated material as directed by the Engineer. All pipe material shall be as noted on the Contract Drawings.

The unit price shall also include any trucking of material to fill areas to establish subgrade elevation and buildup areas.

- (b) All sewers and manholes shall have approved rubber gaskets on all joints. All storm manholes to have open cover grates.
- (c) The price for manhole structures shall include all costs to install pre-cast manholes complete with frame and covers, landing, drop pipes, benching and bulkheads where indicated on the drawings, all as per applicable City or OPS standards. Frames and covers are to be placed to provide a maximum of 200mm thick adjustment rings. Manholes outside existing road allowances shall be adjusted to the elevation shown on the drawing.
- (d) The price for catchbasins shall include all costs to place structures, frame and cover and approved connection to the storm sewer. Catchbasins shall be in accordance with the governing municipality's standards.
- (e) All street catchbasins are to be placed to provide a maximum of 200mm thick adjustment rings. Contractor to leave all necessary concrete adjusters on site.

Reinstatement of trench cuts into existing streets shall be as per clause 11(f) of Section 4.2.

13. SERVICES TO BUILDING IN COMMON TRENCH (N/A)

~~The contractor shall install the storm, sanitary sewers and water services (bell end) to property line (in common trenches) and shall supply material, excavate, place lateral sewers to obvert of main sewers with approved connections, including risers where required, cap service at the end of the line with approved watertight cap or plug, supply labour and material for installation of water service, place marker post, backfill and spread excess material. Lateral sewer connections shall be located as per the drawings unless directed otherwise by the Engineer and shall be placed with a minimum gradient of one percent.~~

14. SEWER CLEANING AND T.V. INSPECTION

The T.V. inspection shall be completed after the granular 'B' placement to determine sewer

deficiencies and shall be a lump sum price in the schedule of prices. The work for each inspection shall include cleaning, flushing and reports as herein detailed.

Since it is important to establish the value of "known defects" as described in the Construction Lien Act, the certification of substantial performance shall not be granted prior to receiving the T.V. inspection reports. A visual inspection of sewers larger than 1200mm diameter will be made by the engineer to determine any deficiencies.

The Owner and its Engineer and the City shall be notified at least 24 hours prior to commencement of the T.V. inspection and the Contractor shall ensure that representatives from the City and the Engineer are available to monitor and approve all phases of the T.V. inspection, including the inspection team.

Where required by the City, the Contractor shall supply a permanent video report of the T.V. inspection which includes:

(a) a written report giving a list of all service connections (identifying catchbasin connections) with a picture and description of deficiencies only (with distances listed in the report for easy cross reference).

(b) a written footage of the distance of the camera in the pipe be provided continuously throughout the recording. This description is to be done using the manhole numbers listed on the design drawings.

All deficiencies of the system that are, in the opinion of the Engineer, detrimental to the proper operation of the system, will be repaired by the Contractor at no extra cost to this contract. Two complete sets of the written T.V. inspection report shall be supplied to the Engineer.

15. EXCAVATION IN WINTER MONTHS

During the winter months, the Contractor shall backfill all trenches the same day as the excavation is made. At the end of each day, the backfill shall be completed to within seven meters of the end of the pipe and the excavation shall be kept within three metres of the end of the pipe. Under no circumstances is the trench to be left open for longer than 12 hours, and no extras will be paid for lost production due to excessive frost in the ground.

16. AIR PRESSURE TEST

If air testing is specified, Standard Specifications from the OPSD Standard Section 410.07.01.16.06 entitled Low Pressure Air Testing will be utilized. Air testing is not recommended for concrete pipe. The sanitary services shall be tested with the main sewer.

17. CUT-OFF WALLS (As per the contract drawings)

Any Cut-Off-Walls required will be included in the unit price of the sewers

18. DEFLECTION TEST FOR P.V.C. PIPE

Deflection testing of P.V.C. pipe installation may be required by the Municipality. If required the contractor shall perform the test and the cost of the test shall be included in the cost of the T.V. inspection. Maximum allowable pipe deflection should be 7.5% or whatever the governing City specifies if it's a more restrictive specification. Location with excessive deflection shall be repaired to the satisfaction of the City.

19. MASS EARTH MOVEMENT

The Contractor shall remove the wasted and excess native earth on-site, grade the excavation area for aesthetic and drainage purposes. This operation (spreading/removing of fill) shall be performed evenly throughout the areas to the satisfaction of the Engineer.

Measurement of payment for fill movement will be lump sum. The site inspector shall be informed of all earth movement activities. The earth movement for the construction of the skating trail, pathways and any grading requirement to fulfill the plan requirements is part of this item.

The Contractor shall also remove unsuitable excavated material and excess native soils from the site and dispose of it outside the limits of the contract at its cost. This work shall be done at the direction of the Engineer and paid under this lump sum item, and will include all loading, hauling and spreading. The decision of whether the material is suitable or unsuitable shall be made by the Engineer. Soft clays or pockets of bad native soils are not considered unsuitable materials for payment purposes. In such event the contractor will be paid extra to remove such materials. Under this item, the contractor shall cut, fill and move the required fill to build up areas.

20. SEDIMENTATION CONTROL

The price for the work of this item shall include, without limitation, the supply, installation and maintenance of the erosion control fence in the locations identified by the Engineer and in accordance with the manufacturer's specifications.

For the purposes of this item, "maintenance" shall be deemed to include periodic removal of silt accumulations, as required, and the re-erection of the silt fence to a vertical condition, again as required from time to time.

21. LOAD RESTRICTION SEASON

During the load restriction season, the contractor is responsible to acquire the necessary permits at his own expense. No extras will be paid for lost production or extra travelling time due to load the restrictions in effect for that period of time. The cost due to extra time and travel for hauling material shall be reflected in the schedule of price.

22. UTILITIES

No responsibility will be assumed by the Owner or Engineer for the accuracy of the plans with respect to the location and number of existing utilities. The Contractor shall be responsible to verify the location, protection and support of existing services which may be encountered during the course of such work. The Contractor must satisfy himself of the location of all such services and items or public property which may be disturbed by his work, and the cost of dealing with any such obstruction shall be included in the Tender prices.

The Contractor is responsible for notification and arrangement with the agencies concerned for all work associated with temporary relocation or support of existing utilities.

The Contractor shall supply, place and size the required wire for hydro, streetlight cables, acoustic wires, water meter cables, remote meter, switches, plugs, 100 AMP electrical panel, gas heaters, external lights, digital and 7 days programmable timer and photoelectric sensor. All electrical work shall meet the electrical code and pass the ESA inspection.

The price for streetlight items shall include the supply and installation of the pole, bracket and fixture as detailed in the Schedule of Prices as well as both the power and acoustic wires. The speaker bracket and speaker will be installed by others at a later date, the Contractor will provide a hole in the pole for the acoustic wire (0.3m below the light bracket) and provide a coil of 0.6m of

acoustic wire taped to the outside of the pole for future speaker and bracket installation. The acoustic wire shall be 16 gauge – 2 conductor burial speaker wire.

The Contractor shall provide the trench excavation for the installation of the gas service from the existing location on Dr. Corbeil Blvd to both buildings within the Park property. The installation of the gas pipe itself as well as the gas meter installation will be performed by an Enbridge accredited contractor. The Contractor shall supply and install one indoor heater (30,000 BTU with thermostat) and one outdoor heater (60,000 BTU with timer and push start button) for each proposed building.

The Contractor shall provide a utility layout plan for approval prior to installing the various utility items within the buildings. The City intends to store various equipment within the buildings. The various utility items' locations will be verified in order to allow for such storage.

23. SETTING OUT

The Contractor will be responsible for ALL layout from information supplied on the Drawings and SIB's in the field. He will set his own batter boards or sight lines from bench marks supplied by the Engineer.

It is emphasized that the Contractor must exercise extreme care in setting invert grades. The Contractor shall work to sufficient precision to ensure that every point in the sewer invert will be set within a vertical tolerance of 5mm of the correct elevation.

Should inspection by the Engineer or Inspector reveal an error greater than the said tolerance, the Contractor shall, at his own expense, rectify such error to the satisfaction of the Engineer.

24. APPURTENANCE ADJUSTMENT

The Contractor shall be responsible for straightening and cleaning all water valve boxes and ensure that said valve boxes and valves are operating properly before placing any asphalt. All adjustments to manholes, valve chambers, valve boxes and catchbasins shall be done in accordance with present Municipal standards, and all material and labour required to do this work shall be included in the unit prices.

All ironwork adjustments are to be completed prior to application of the respective course of asphalt. Final adjustment of ironworks shall include replacement of any damaged sections and replacement of the concrete collars with a rubber spacer.

25. SUBBGRADE PREPARATION

The contractor shall excavate the parking and walkways to subgrade depth which is to be bladed true to line and grade and compacted to 95% SPD prior to the application of any granular base material. The unit price for subgrade preparation shall also include filling where required to bring subgrade to proper depth with dry compacted soil.

26. IMPORTED MATERIALS FOR SUBGRADE FILLING (N/A)

~~Should there be a shortage of good and dry material to bring the subgrade to its proper grade the contractor will import type I granular "B" material. The unit price per tonnes in the Tender Form shall include all associated work to supply and place the Type II Granular material including compaction to 95% standard proctor density.~~

27. GRANULARS "A" AND "B" BASE COURSES

For the unit price bid for this item, the Contractor shall supply all equipment, labour and material

necessary to supply and place crushed quarry stone OPSS Granular "A" or "B" Type II compacted to 100% standard proctor density. The depth of granular placed shall be as specified in the schedule of prices or as directed by the Engineer.

The unit price of granular "A" and "B" shall include the cost of stockpiling the granular on-site, if it is to be placed after the half load period. No extra payment will be paid by the owner due to half loads

28. DUST CONTROL

The cost for the supply and application of water and calcium chloride for compaction and/or dust control shall be included in the unit prices bid for the granular items in this contract and applied as directed by the Engineer.

29. CONTAMINATION

The Contractor shall be held responsible for contamination of sub-base material and damage to subgrade by his own forces only.

30. ASPHALT WORK

The Contractor will provide all materials necessary for the proper execution of the paving work in accordance with OPSS 310 standards. Asphalt cement shall meet the requirements of OPSS 1150, materials specification for asphalt cements, penetration grade 85-100, % asphalt cement 5-7 and Marshall Stability minimum at 60 degrees celcius at 6700 N. Asphalt joints shall be constructed as shown on the plans.

The hot mix asphalt shall maintain a performance grade of 58-34.

If any changes in MTO performance asphalt index occur, adjustments will be made to the asphalt payment as per the City of Ottawa special provision F-3101.

The depth of asphalt shall be as specified in the schedule of prices.

31. ASPHALT PADDING (N/A)

~~The cost of asphalt padding required to restore road grading or cross fall is to be paid at the unit price in the form of tender.~~

32. METHOD OF MEASUREMENT

The unit of measurement for hot mix H.L. mixes used on a project is the square metre of the calculated area of paving.

33. SUBEXCAVATION PRIOR TO GRANULARS

If, in the Engineer's opinion, some areas of the parking or walkway subgrade have to be replaced prior to the application of granular base, the Contractor shall, for the unit price bid per cubic metre, excavate, cast and level material on adjacent boulevards to minus 150mm of final grade and any excess shall be hauled to lower areas on site, supply, place and compact to 95% SPD Granular "B" Type II material.

34. SUBEXCAVATION FOR SOFT SPOTS

In areas where soft spots develop, for the unit price per cubic metre, the Contractor shall excavate

to a depth to be determined by the Engineer, dispose of the excavated material within the contract limits, supply, place and compact to 95% SPD Granular "B" Type II material to final Granular "B" grade.

35. SUBDRAINS

The unit price for subdrains shall include all costs to supply and place in accordance with the governing municipality standards

36. FILTER CLOTH

The unit price per square metre for filter cloth shall include all cost to supply and place the type Terra-Track 24-15 or equivalent grade including the cost of all overlaps as directed by the Engineer.

37. TOPSOIL AND HYDROSEEDING

Provide and fine grade 150 mm topsoil to all areas as per plans and as designated by the Engineer. Payment will be based on a square metre basis. No extra payout will be made for grading of site ready to accept topsoil.

Screening the existing topsoil will be acceptable. All excess or screened waste topsoil shall be hauled off site at the contractor's cost. The seed mix shall be as follows:

- Common Kentucky Bluegrass =40%
- Common Creeping Red Fescue =40%
- Common Perennial Ryegrass =20%

38. CONCRETE FORMED

As required and at the direction of the Engineer the Contractor is required to form and place concrete in areas that would normally not be covered by this contract. Payment will be based on cubic metre (m³) supplied and installed including the removal of forms if required.

39. PERMIT

The contractor shall obtain all necessary permits and permissions before any work proceeds in accordance with the general conditions. The City will not charge the contractor for such permits.

40. RETAINING WALL CONSTRUCTION

The contractor shall provide sound stones free of defects and have a uniform thickness. The joints between armour stones should be level or tilted back towards the retained soil. The item price shall include the supply and installation of the armour stones, granular base, non-woven filter fabric and all other appurtenances necessary for the construction of the wall as per the soils engineer's specifications and design.

Payment will be by the square metre of retaining wall face measured from 0.3m below the finished grade in front of the wall.

- Three-rail post and fence rail – City of Ottawa Standard Drawing F2
- 100mm diameter steel bollard installation for parking lots/parks – City of Ottawa Standard Drawing F5
- Siamese connection and gate valve drawing for hose outlet nozzles

The soils information in this section is to be read in conjunction with drawing 180403-GR1. The topsoil thickness as shown on these test pits are obsolete, the current topsoil thickness is expected to be in the range of $\pm 100\text{mm}$.

The architectural plans, provided separately, are for bidding purposes.

Submitted To: Corporation of the City of Clarence-Rockland
(Owner)



1560 Laurier
Client Service Center
Rockland, ON
K4K1P7

We hereby offer to sell to the City of Clarence-Rockland, hereafter referred to as the City, the Goods and/or Services described in accordance with the Specifications, Terms and Conditions specified set forth herein at the price(s) quoted therefore

Tender Number	<u>F18-INF-2018-026</u>
Bid Description:	<u>Park Morris Village</u>
Closing Date:	<u>Jul 09, 2018</u>
Time:	2:00 p.m. Local Time, Rockland, ON
Company Name	

I/We the undersigned have read and understand this Bid document, and herewith agree to perform the work required in accordance with the Bid document issued by Procurement Services, at the price(s) listed below:

I/We acknowledge that we have received addenda numbered ___ to ___ inclusive, and the prices submitted include the provisions set out in such addenda.

_____/100
Prices are in Canadian dollars, and excluding HST (Dollars in Words to be inserted above)

Dollars (\$_____) (Dollar numbers to be inserted above)

The Contractor declares that:

- a) No persons, other than the Contractor, have any interest in this RFT or in the Contract proposed to be entered into.
- b) This Submission is made without any connection, knowledge, comparison of figures, or arrangement with any other person or persons making a Submission for the same work, and is in all respects fair and without collusion or fraud.
- c) The several matters stated in the said Submission are in all respects true.
- d) The Contractor has carefully examined the locality and site of the proposed works, as well as all the RFT Documents, and hereby accepts the same as part and parcel of this Submission, and does as hereby tender and offer to enter into a Contract to do all the work, provide the labor and to provide, furnish, deliver, place and erect all materials mentioned and described or implied therein, including in every case freight, duty, exchange, and all other charges on the terms and conditions, and under the provisions

therein set forth, and to accept in full payment therefore in accordance with the schedule of prices hereto annexed, and the Contractor also agrees that this offer is to remain open for acceptance until the formal Contract is executed by the successful Contractor for said work, and that the Owner may at any time without notice accept this Submission whether any other Submission has been previously accepted or not.

- e) The prices offered in this schedule take into account in all respects the cost of execution of the work under all weather conditions and any water level.
- f) In making this Submission for the work and in entering into the Contract, if awarded to this Contractor, the Contractor has investigated for himself the character of the work to be done and all local conditions that might affect this Submission and his acceptance of the work.
- g) The Contractor also declares that in making this Submission, he/she did not and does not rely upon verbal information furnished by the Owner or City representative.
- h) The Contractor acknowledges that the Owner shall have the right to reject any, or all, Tenders for any reason, or to accept any Tender which the Owner in its sole unfettered discretion deems most advantageous to itself.
- i) The Contractor does hereby acknowledge that no damages or liability flow from the inability for a contract to be reached and does hereby release and hold completely harmless the Owner for any costs or damages incurred by the Contractor in preparing a Proposal or discussing/negotiating with the Owner. By submitting a Tender, the Contractor acknowledges the Owner's rights under this section and absolutely waives any right, or cause of action against the Owner and its consultants, by reason of the Owner's failure to accept the Tender submitted by the Contractor, whether such right or cause of action arises in contract, negligence, or otherwise.
- j) The lowest, or any, Tender will not necessarily be accepted and the Owner shall have the unfettered right to:
 - (i) Accept a non-compliant Tender;
 - (ii) Accept a Tender which is not the lowest Tender; and
 - (iii) Reject a Tender that is the lowest Tender even if it is the only Tender received.
- k) The Owner reserves the right to consider, during the evaluation of Tenders;
 - (i) information provided in the Tender document itself;
 - (ii) information provided in response to enquiries of credit and industry references set out in the Tender;
 - (iii) information received in response to enquiries made by the Owner of third parties apart from those disclosed in the Tender in relation to the reputation, reliability, experience and capabilities of the Contractor;
 - (iv) the manner in which the Contractor provides services to others;
 - (v) the experience and qualification of the Contractor's senior management, and project management;
 - (vi) the compliance of the Contractor with the Owner's requirements and specifications; and
 - (vii) innovative approaches proposed by the Contractor in the Tender;

(viii) whether the Contractor has been involved in litigation with the Owner during the last sixty (60) months before the date of this RFT.

l) The Contractor acknowledges that the Owner may rely upon the criteria which the Owner deems relevant, even though such criteria may not have been disclosed to the Contractor.

Signed and submitted for and on behalf of:

Company Name

Address City Postal Code

X

Signature of Authorized Signing Officer

Print Name, Title

() _____
Telephone Number

Date

() _____
Fax Number

Email Address

HST Business Number

Payment Terms (E.G. 2%-10 Days, Net 30)

Your completion of this form confirms acceptance of the City of Clarence-Rockland's Standard Terms and Conditions. Contractors who impose restrictions on their bid using a qualifying statement risk having their bid rejected.

THIS DOCUMENT MUST BE SIGNED AND SUBMITTED TO BE A VALID OFFER OR THE TENDER WILL BE REJECTED.



PRICING SCHEDULE "A"

The Contractor hereby bids and offers to enter into the Contract referred to and to supply and do all or any part of the Work which is set out or called for in this Bid, at the unit prices, and/or lump sums, hereinafter stated. **The Total Bid amount shall include all costs incurred, excluding taxes.**

The Contractor also understands and accepts that the quantities shown in the Bid Documents are approximate estimates only and are subject to increase, decrease or deletion entirely if found not to be required.

DESCRIPTION	QTY	UNIT PRICE	TOTAL
		\$	\$
		\$	\$
TOTAL			\$
			/100
<i>Insert Dollars in words above (without HST)</i>			

Please confirm Best Delivery Date, after receipt of Purchase Order:

Prompt Payment Discount:

The City of Clarence-Rockland follows a policy whereby in the absence of prompt payment discount terms, all invoices from Contractors will be paid on a Net 30 basis; that is payments will be made by the City within 30 days of receipt of invoice, or the acceptance of the goods and services, whichever date is later.

SUBCONTRACTORS

CONTRACT NUMBER: F18-INF-2018-026

DESCRIPTION: Park Morris Village

SUBMITTED TO: The Corporation of the City of Clarence-Rockland

I/We, _____
(Company Name)

of _____
(Business Address)

having examined the *RFT* including all information to *Contractors*, general terms and conditions, supplemental terms and conditions (if applicable), specifications, and attachments and appendices as issued by the *City* and including Addenda number to _____ and having visited the Project Site hereby offer to subcontract the following companies/individuals for the *Services* and *Equipment*.

Name of Subcontractors	Phone Number	Contact	Discipline

ANY substitutes or changes in subcontractors **must** be agreed upon and authorized in writing by the *City*.

