



City of Saint John

**TENDER
2021-561001T**

Supply of Sand, Gravel, Aggregates, Topsoil, Sod and Landfill Cover Material

Emailed tenders to Monic MacVicar, CCLP, CPPB, at monic.macvicar@saintjohn.ca bearing the subject title:

**"TENDER 2021-561001T
Supply of Sand, Gravel, Aggregates, Topsoil, Sod and Landfill Cover Material"**

will be received until 2:30 p.m., Tuesday, February 23rd, 2021, for the establishment of a supply agreement for the supply of Sand, Gravel, Aggregates, Topsoil, Sod and Landfill Cover Material.

Tenders will NOT be opened publicly by the Tender Opening Committee due to the on-going pandemic

The lowest or any tender not necessarily accepted.

**Monic MacVicar, CCLP, CPPB
(506) 343-2452**

Issue Date: Wednesday, February 10th, 2021

T E N D E R
2021-561001T
SUPPLY OF SAND, GRAVEL, AGGREGATES, TOPSOIL
SOD, AND LANDFILL COVER MATERIAL
CITY OF SAINT JOHN, NB

SPECIFIC TERMS AND CONDITIONS:

- 1) For the purpose of this agreement, note that:
 - i) All materials delivered to City west, will be in the area of the City, west of the Saint John River and will include North end of Saint John. (To include Milledgeville, Rockwood Park as well as the Regional Hospital all the way to and including Foster Thurston Drive areas.)
 - ii) All materials delivered to City east, will be in the area of the City, east of Marsh Bridge and the South Central Peninsula.

- 2) All material must be approved by the Chief City Engineer before acceptance by the City, but the City reserves the right to reject the pit at any stage of the contract, if the material no longer meets specifications.

- 3) The City will conduct sieve analysis from time to time during the life of this contract and if the material is found not to meet the attached specifications, the costs for this analysis will be deducted from payments to the Contractor and the City will obtain their requirements from another source until such time as the successful bidder proves, by way of independent analysis, (payable by Contractor) that his material complies with specifications.

If the City is required to pay a price higher than that of the successful bidder, this amount will be deducted from contract payments and/or from the bid deposit if applicable.

- 4) All pits must be covered by a valid excavation permit under the zoning by-law by the date of award which is expected to be April 1st, 2021.

- 5) **A letter must accompany this tender stating pit location from which material is to be obtained and also confirm the hours of operation of 7:30 AM – 5:00 PM for the life of this contract.**

- 6) As there are several different sizes called for in screened or crushed gravel, a Contractor tendering on these materials shall state whether he is prepared to accept only one or all of the gravel as set forth in this form of tender.

- 7) For all materials supplied on a tonnage basis, scales certified by weights & measures, will be provided by the Contractor.

- 8) Weigh slips, signed by a City employee, must be issued for each load of material unless otherwise specified. Separate bi-monthly invoices for each department or division ordering materials, e.g. Works, Water & Sewerage, Sanitation, Parks, to be supplied to Accounts Payable by the 2nd and 17th of each month.

SPECIFIC TERMS AND CONDITIONS CONTINUED:

- 9) If, for any reason, the successful bidder(s) fails to supply or deliver the tendered material to the City within two hours of the ordered time, the City reserves the right to purchase the specified or equivalent material from another source.
- 10) The City of Saint John, at its sole discretion, reserves the right to use the most expedient means at its disposal to arrive at an award in the event of tie low bids.
- 11) Winter delivery may be a requirement for this agreement. Vendors are to indicate their ability to provide such deliveries.
- 12) Pit must have an operator on site in order to load the proper materials into The City trucks upon arrival.
- 13) **Bidders providing pricing on Sand, Gravel and other Aggregates for "Pick-Up" MUST be located within the City limits.**

GENERAL TERMS AND CONDITIONS:

1. SUBMISSION INSTRUCTIONS

Emailed tenders to Monic MacVicar, CCLP, CPPB, at monic.macvicar@saintjohn.ca bearing the subject title:

**"TENDER 2021-561001T
Supply of Sand, Gravel, Aggregates, Topsoil, Sod and Landfill Cover Material"**

will be received until 2:30 p.m., Tuesday, February 23rd, 2021 for the supply of various aggregates as per specifications and terms and conditions.

2. QUOTATION/TENDER TO BE SUBMITTED ON PRESCRIBED FORM

Bidders are to submit their tender on the prescribed form contained in this document. Failure to submit on this form may result in the disqualification of the tender.

3. ENQUIRIES

Bidders shall promptly examine the bid documents and report any errors, omissions or ambiguities and may direct enquiries or seek additional information in writing by email before the deadline for enquiries to the Authorized Enquiries Contact as set out below. No such communications are to be directed to anyone other than the Authorized Enquiries Contact.

4. AUTHORIZED ENQUIRIES CONTACT

Monic MacVicar, CCLP, CPPB
Supply Chain Management
City of Saint John
Email: monic.macvicar@saintjohn.ca

It is the Bidder's responsibility to seek clarification from the City on any matter it considers unclear. The City shall not be responsible for any misunderstanding on the part of the Bidder concerning this bid document or its process.

The City intends to confirm receipt of a bidder's communication by way of an email or facsimile in reply. If a bidder has not received a reply, the bidder may wish to resend its communication as the lack of reply may have resulted from a technical problem. The City is under no obligation to respond to enquiries or provide additional information but may do so at its sole discretion.

Responses to inquiries may be distributed to all bidders on the invitation list as having received the bid documents as of the date the response is prepared. The source of the question will not be identified in the response. Verbal information shall not be binding upon the City. Inquiries received after the deadline for enquiries will not receive a response.

All inquiries regarding this Tender shall be submitted in writing, before 1:00p.m., local time, on Wednesday, February 17th, 2021.

5. ADDENDA

Periodically, the City of Saint John is required to issue notification of changes or corrections to a bid document by way of addenda. Normally these notifications will have direct bearing on the cost of a project and will influence the way you bid. Therefore, it is important that the City have assurances that you in-fact received the notification.

Bidders are responsible for obtaining all addenda issued by the City. Addenda may be obtained from the City's website (www.saintjohn.ca) under the menu option "Tender and Proposals".

Bidders are required to sign and include all addenda with their bid submission.

Failure to include a copy of all signed addenda with the bid submission, may result in rejection of your bid regardless of whether the changes noted in the addendum are included in the bid submission or not.

6. ADVISORY NOTICE

Periodically, the City of Saint John is required to issue clarification notices to a bid document in the form of an Advisory Notice. Normally these notifications will not have direct bearing on the cost of a project and will not influence the way you bid.

Bidders are responsible for obtaining all advisory notice(s) issued by the City. Advisory Notice(s) may be obtained from the City's website (www.saintjohn.ca) under the menu option "Tender and Proposals".

Bidders are instructed to sign the Advisory Notice and return it either by fax to (506) 658-4742 or email to monic.macvicar@saintjohn.ca prior to the closing date. Failure to comply with the instructions on an advisory may result in rejection of your bid.

7. GOVERNING LAW, TRADE TREATIES AND POLICIES

This procurement will be in accordance with the laws of the province of New Brunswick and the federal laws of Canada.

This procurement is also subject to the following Policies, Legislation and Internal Trade Agreement(s) including:

- The Atlantic Procurement Agreement
- New Brunswick Procurement Act and Regulation 2014-93
- City of Saint John Policy for the Procurement of Goods, Services and Construction

8. SCHEDULE FOR THE BID PROCESS

Issue Date	Wednesday, February 10th, 2021
Deadline for Enquiries	Wednesday, February 17th, 2021 at 1:00PM Atlantic Time
Deadline for Issuing Addenda	Wednesday, February 17th, 2021 at 4:30PM Atlantic Time
Submission Deadline	Tuesday, February 23rd, 2021 at 2:30PM Atlantic Time
Date of Award (if applicable)	Monday, April 1st, 2021 (Tentative)

The Schedule for the bid process is tentative only and may be changed by the City in its sole discretion.

9. INVOICING REQUIREMENTS

All invoices submitted under the agreement resulting from this procurement shall bear the corresponding Request for Goods and Services number and/or Purchase order number. Invoices not bearing the applicable number(s) may not be paid. The City's payment terms as detailed in this document will not take effect until such time as the invoice(s) is/are received bearing the applicable number(s).

10. PAYMENT

Payment shall be based on Net 45 Days from date of invoice or receipt of goods, whichever is later. Invoices can either be mailed to: City of Saint John, Accounts Payable Department, P.O. Box 1971, Saint John, NB, E2L 4L1, or by email to the Accounts Payable department (accountspayable@saintjohn.ca). Vendors are to ensure invoices are not sent both ways.

11. AWARD

The City does not bind itself to accept the lowest or any tender submitted but reserves the right to accept any tender deemed to be in its best interest. The City also reserves the right to split this contract between two or more bidders based upon the overall best value to the City.

12. VERBAL AGREEMENT

No verbal agreement or conversation with any officer, agent or employee of the owner either before or after execution of the contract shall effect or modify any of the terms or obligations contained in any of the documents comprising the said contract.

13. FAX TENDERS

Tenders received by fax **WILL NOT** be accepted.

14. LATE BIDS

Bids received after the time and date as shown on the request for quotation shall not be considered.

15. TAXES

The City of Saint John is not exempt from the 15% harmonized sales tax. Prices are to be all taxes extra. The City of Saint John shall be invoiced for and pay all applicable taxes related to this bid.

16. MANDATORY REQUIREMENTS

Each submission will be evaluated to ensure that it complies with the mandatory requirements and may be rejected if it does not comply. The evaluation of mandatory requirements will confirm that:

- the submission was received prior to the applicable Submission Deadline;
- the bid submission is signed;
- the bid submission is legible;
- the bid submission does not contain a substantive qualification or conditions that are contrary to the terms of the bid document;
- the bid submission does not contain a change in price that was not initialled by the person who signed the submission;
- the bid submission is in English;

17. CANCELATION CLAUSE

In the event that the successful bidder does not comply with the specifications and terms and conditions of this tender, at any time throughout the duration of the contract, the City of Saint John reserves the right to cancel the contract in its entirety.

18. VALIDITY PERIOD

The bid submission constitutes an offer which shall remain open and irrevocable until 90 days after the submission deadline.

19. ORDERING INSTRUCTIONS

Goods and/or services ordered under the agreement resulting from this procurement shall be ordered using one or more of the following methods: Request for Goods and Services Form, Purchase Order and/or Mastercard. Vendors found to be providing goods and/or services without proper documentation may not be remunerated accordingly.

20. DELIVERY

Please BID your net price on each of the above commodities or services, F.O.B. Saint John, NB, prepaid.

21. ACCEPTANCE, REVOCATION AND REJECTION OF TENDERS

The bidder agrees that his tender is a firm offer to supply the goods and/or services specified herein at the quoted price, and in accordance with the terms and conditions herein contained. The bidder may revoke his tender at any time prior to the time fixed for tender opening by delivering, or causing to be delivered, written notice of revocation to the designated official at the City of Saint John. Revocation will take effect from the time the notice is actually received. A notice of revocation will not be accepted after the time fixed for tender opening.

The bid shall not be restricted by a statement added to the Tender Form, or by a covering letter, or by alterations to the tender form as supplied, unless otherwise provided herein and further, a tender form that has been altered in any way may be deemed to be a non-confirming bid and, therefore, rejected. Bidders shall be allowed to attach descriptive literature; whose sole purpose is to amplify the bid.

22. REGIONAL MUNICIPALITIES

As a condition of award, the successful vendor(s) agree(s) that Regional Municipalities shall have the advantage of the discounts and prices accepted by the City. Regional Municipalities will be considered to be any community that is in the boundaries of the Fundy Regional Service Commission. This in no way commits these municipalities to accepting this quotation but provides them with the opportunity to take advantage of the City's volume purchasing discounts.

The City is not responsible for payment for products or services supplied to any Regional Municipality.

The vendor(s) shall invoice Regional Municipalities directly for any product or services supplied to them under this quotation.

Failure to comply with the above terms and conditions of this quotation will result in the immediate cancellation of the contract, without further notice.

*** *Note: This applies only to “pick up” prices for aggregates.**

23. WORKSAFENB CERTIFICATE AND BUSINESS CORPORATIONS ACT CERTIFICATE

- a) New Brunswick Tenderers shall provide to the City a WorkSafeNB certificate which confirms proper registration and good standing with WorkSafeNB and a *Business Corporations Act* Certificate which confirms proper registration and good standing with the Province of New Brunswick - Corporate Affairs within five (5) Working Days following the City's notice of selection.
- b) Out-of-province Tenderers shall provide to the City a WorkSafeNB certificate which confirms proper registration and good standing with WorkSafeNB or a letter or certificate issued under the equivalent applicable legislation in the province of origin

of the Tenderer confirming extension of coverage from said legislation to the Province of New Brunswick for the term of the Contract. Subject to paragraph c), out-of-province Tenderers shall also provide a *Business Corporations Act* Certificate which confirms proper registration and good standing with the Province of New Brunswick - Corporate Affairs within five (5) Working Days following the City's notice of selection.

- c) Tenderers from Nova Scotia may submit the appropriate *Business Corporations Act* Certificate from the Province of Nova Scotia.

24. INSURANCE

The successful contractor shall provide evidence of the following insurance coverage:

General Liability with minimum limits of two million dollars, (\$2,000,000.00). The policy shall include:

- *operations of the contractor in connection with this tender;
- *products and completed operations coverage;
- *contractual liability with respect to this tender;
- *the City of Saint John added as an additional insured;
- *a cross liability clause;
- *non-owned automobile;
- *thirty (30) days notice of cancellation of this policy "will" be given to the City of Saint John, by the insurers;

Standard automobile insurance for owned automobiles with at least the minimum limits allowed by law. This coverage is to remain in effect for the entire time frame of the contract.

25. RESERVED RIGHTS

The City reserves the right to:

- a) Reject an unbalanced Tender. For the purpose of this section, an unbalanced tender is a tender containing a unit price which deviates substantially from, or does not fairly represent reasonable and proper compensation for the unit of work bid or one that contains prices which appear to be so unbalanced as to adversely affect the interests of the City. The City reserves the right to use tenders submitted in response to this Request for Tender or for other like or similar work as a guideline in determining if a bid is unbalanced.
- b) Amend or modify the scope of the Work, and/or cancel or suspend the Tender award, at any time for any reason;
- c) Require Tenderers to provide additional information after the Tender Closing to support or clarify their Tender;
- d) Not accept any or all Tenders;
- e) Not accept a Tender from a Tenderer who is itself, or whose principals, owners or directors are also principals, owners or directors of another entity which is, involved in litigation, arbitration or any other similar proceeding against the City;

- f) Reject any or all Tenders without any obligation, compensation or reimbursement to any Tenderer or any of its team members;
- g) Withdraw this Request for Tender and cancel or suspend the Tendering Process;
- h) Extend, from time to time, any date, any time period or deadline provided in this Tender (including, without limitation, the Tender Closing), upon written notice to all Tenderers;
- i) Assess and reject a Tender on the basis of:
 - (i) information provided by references;
 - (ii) the Tenderer's past performance on previous contracts;
 - (iii) the information provided by a Tenderer pursuant to the City exercising its clarification rights under this Tendering Process;
 - (iv) the Tenderer's experience with performing the type and scope of work specified;
 - (v) other relevant information that arises during this Tendering Process;
- j) Waive formalities and accept Tenders which substantially comply with the requirements of this Request for Tender;
- k) Verify with any Tenderer or with a third party any information set out in a Tender;
- l) Disqualify any Tenderer whose Tender contains misrepresentations or any other inaccurate or misleading information;
- m) Disqualify any Tenderer who has engaged in conduct prohibited by the Tender Documents;
- n) Make changes, including substantial changes, to the Tender Documents provided that those changes are issued by way of addenda in the manner set out in these Instructions to Tenderers;
- o) Select any Tenderer other than the Tenderer whose Tender reflects the lowest cost to the City;
- p) Cancel this Tendering Process at any stage, for any reason;
- q) Cancel this Tendering Process at any stage and issue a new Request for Tender for the same or similar deliverables;
- r) Accept any Tender in whole or in part;
- s) Waive minor non-compliance with the mandatory requirements of the Tender Documents and accept the Tender; or
- t) Accept a Tender which contains the following errors:
 - (i) error in mathematics – whether this involves the extension of a unit price or an error in addition, the mistake will be corrected and the correct total will be used for evaluation purposes and will be binding on the Tenderer.

- (ii) conflict between the written and numerical bid prices. In all cases, the total bid price will be corrected to reflect the written bid price, whether lump sum or unit price.
- (iii) failure to include the contingency allowance in the total Tender Price. If the contingency allowance was not included in the addition, the Tender Price shall be corrected to reflect its inclusion.

and these reserved rights are in addition to any other express rights or any other rights which may be implied in the circumstances and the City shall not be liable for any expenses, costs, losses or any direct or indirect damages incurred or suffered by any Tenderer or any third party resulting from the City exercising any of its express or implied rights under this Request for Tender.

By submitting a Tender, the Tenderer authorizes the collection by the City of the information set out at paragraph i) in the manner contemplated in that subparagraph.

26. LIMITATION OF LIABILITY AND WAIVER

Each Tenderer, by submitting a Tender, agrees that:

- a) Neither the City nor any of its employees, agents, advisors or representatives will be liable, under any circumstances, for any Claim arising out of this Tendering Process including but not limited to costs of preparation of the Tender, loss of profits, loss of opportunity or for any other Claim; and
- b) The Tenderer waives any Claim for any compensation of any kind whatsoever, including Claims for cost of preparation of the Tender, loss of profit or loss of opportunity by reason of the City's decision to not accept the Tender submitted by the Tenderer, to award a Contract to any other Tenderer or to cancel this Tendering Process, and the Tenderer shall be deemed to have agreed to waive such right or Claim.

S P E C I F I C A T I O N S
SAND, GRAVEL, AGGREGATES, TOPSOIL
WORKS DEPARTMENT

ITEM 1: PIT RUN GRAVEL (GRANULAR "B")

The pit run shall be stripped of the sod, loam, soft or decomposed particles and the excess clay removed. Pit run gravel shall consist of clean, hard, durable stones graded from coarse to fine as per the table below. It shall be approved by the Chief City Engineer, or his authorized representative, and when tested by means of a laboratory sieve, it shall fulfil the following requirements:

ASTM Sieve Size (mm)	Aggregate (% Passing)
125.0	100
100.0	95 - 100
75.0	82 - 100
50.0	62 - 100
37.5	52 - 100
19.0	30 - 90
9.5	22 - 79
4.75	16 - 66
2.36	12 - 55
1.18	9 - 44
0.300	4 - 25
0.075	0 - 7

Pit run gravel when tested in accordance with A.S.T.M. specifications shall show an abrasion loss of not more than 50%.

Gravel pits must be left in a neat and safe condition free from overhanging banks and dangerous water conditions. The pits must be left in such a condition that they comply with by-laws and legislation regarding gravel pits.

ITEM 2: CRUSHED GRAVEL (GRANULAR "A")

Crushed gravel shall consist of crushed material composed of clean, hard, durable particles. It shall be well graded from coarse to fine and free from soft, thin or elongated pieces. It shall be free from coatings of clay or other deleterious materials. It shall be subject to the approval by the Chief City Engineer, or his authorized representative, and when tested by laboratory sieves, it shall fulfil the following requirements:

ASTM Sieve Size (mm)	Aggregate Base 25 mm (% Passing)	Aggregate Subbase 75 mm (% Passing)
100.0	—	—
90.0	—	100
75.0	—	95 - 100
63.0	—	86 - 100
50.0	—	75 - 95
37.5	—	61 - 87
31.5	100	—
25.0	95 - 100	—
19.0	75 - 100	38 - 70
12.5	60 - 82	—
9.5	52 - 75	28 - 56
4.75	36 - 61	19 - 46
2.36	25 - 48	13 - 37
1.18	16 - 38	9 - 30
0.300	5 - 16	4 - 16
0.075	0 - 6	0 - 7

The various product sizes of crushed gravel, when tested in accordance with the appropriate A.S.T.M. requirements, shall show an abrasion loss of not more than the following:

SIZE	ABRASION LOSS
112 MM	50 %
80 MM	50 %
40 MM	40 %
28 MM	40 %
20 MM	30 %
14 MM	30 %
10 MM	30 %

Gravel pits must be left in a neat and safe condition free from overhanging banks and dangerous water conditions. The pits must be left in such a condition that they comply with by-laws and legislation regarding gravel pits.

ITEM 3: SAND

Sand shall consist of natural sand or crushed particles composed of clear, tough, durable grains free from objectionable amount of clay, loam or other foreign material. When tested by means of laboratory screens, the sand shall meet the following grading requirements:

PASSING	PERCENT
5 MM	100 %
1.25 MM	45 - 80 %
315 UM	3 - 30 %
160 UM	0 - 8 %
80 UM	0 - 2 %

ITEM 4: CRUSHED ROCK – 6MM (1/4”) MINUS - SPECIFICATIONS AVAILABLE.

ITEM 5: CRUSHED ROCK-19MM (3/4”) MINUS

Crushed quarried rock aggregate shall consist of crushed material composed of clean hard, durable particles. It shall be subject to the approval by the Chief City Engineer, or his authorized representative, and when tested by laboratory screens, it shall meet the following grading requirements:

SIEVE SIZE	% BY WEIGHT PASSING
19.00 MM	100
12.5MM	40 - 80
9.5MM	20 - 62
4.75 MM	0 - 20
2.36 MM	0 - 10
75 UM	0 - 3

ITEM 6: CRUSHED ROCK: 13MM, 19MM, 51MM, CLEAR AND 38-19MM MIX CLEAR

Material shall be produced from tough durable quarried rock, composed of clear hard durable particles. It shall be subject to the approval by the Chief City Engineer or his authorized representative.

ITEM 7: SCREENED OR CRUSHED GRAVEL 9 MM (3/8") MAXIMUM SIZE

Material shall be produced from tough, durable materials having passed through an approved washing plant and shall be clean and reasonably uniform throughout. When tested by laboratory sieves, it shall meet the following requirements:

PASSING	PERCENT
14 MM	100%
10 MM	85 - 100%
5 MM	10 - 30%
2.5 MM	0 - 10%
1.25 MM	0 - 5%

SCREENED OR CRUSHED GRAVEL 13 MM (1/2") MAXIMUM SIZE

Material shall be produced from tough, durable materials having passed through an approved washing plant and shall be clean and reasonably uniform throughout. When tested by laboratory sieves, it shall meet the following requirements:

PASSING	PERCENT
20 MM	100 %
14 MM	90 - 100%
10 MM	40 - 70%
5 MM	0 - 15%
2.5 MM	0 - 5%

SCREENED OR CRUSHED GRAVEL 19 MM (3/4") MAXIMUM SIZE:

Material shall be produced from tough, durable materials having passed through an approved washing plant and shall be clean and reasonably uniform throughout. When tested by laboratory sieves, it shall meet the following requirements:

PASSING	PERCENT
7/8"	100%
20MM	68 - 100%
17MM	50 - 75%
14MM	35 - 60%
10 MM	15 - 35%
7MM	5 - 16%

SCREENED OR CRUSHED GRAVEL-51MM (2") MAXIMUM SIZE - NO SPECIFICATIONS AVAILABLE.

ITEM 8 TOPSOIL SPECIFICATIONS:

All topsoil shall be harvested from a present or former cultivated field and shall be a fertile, friable natural loam, containing 4% minimum organic matter for clay loam, and 2% minimum organic matter for sandy loams with an acidity range of 5.9 ph - 7.0 ph and shall be capable of sustaining vigorous plant growth. It shall be free of any admixtures of subsoil, clay lumps, stones, sod and roots over two inches in diameter and other extraneous matter and shall be free of weeds or residues of pesticides.

The topsoil is to be blended with 25% sand (meeting topdressing sand spec.) And 25% spagumn peat moss. The blended materials are to pass through $\frac{3}{4}$ screen (100%).

ITEM 9: SCREENED TOPDRESSING SOIL SPECIFICATIONS:

All topsoil shall be harvested from a present or former cultivated field and shall be a fertile, friable natural loam, containing 4% minimum organic matter for clay loam, and 2% minimum organic matter for sandy loams with an acidity range of 5.9 ph - 7.0 ph and shall be capable of sustaining vigorous plant growth. It shall be free of any admixtures of subsoil, clay lumps, stones, sod and roots over $\frac{1}{4}$ inch in diameter and other extraneous matter and shall be free of weeds or residues of pesticides.

The topsoil is to be blended with 25% sand (meeting topdressing sand spec.) And 25% spagumn peat moss. The blended materials are to pass through $\frac{1}{4}$ screen (100%).”

ITEM 10: SOD:

No. 1 nursery grade sod minimum 60% Kentucky bluegrass, 10% perennial ryegrass. Chewing and/or creeping fescues only, will be accepted. Sod is to be 1 1/2" minimum thickness.

ITEM 11: TOPDRESSING SAND

Sand shall consist of natural sand or crushed particles of clear, tough, durable grains free from clay or other foreign materials, double screened and washed. When tested by means of laboratory screens, it shall meet the following grading requirements:

MESH	MILLIMETRES	PERCENT
16	1.00	10%
20	.84	10%
24	.71	10%
28	.59	10%
32	.50	10%
35	.42	75%
42	.35	75%
48	.30	75%
60	.25	75%
65	.21	15%

80	.18	15%
100	.15	15%
115	.13	15%
150	.11	15%

ITEM 12: PLAYGROUND/BEACH SAND:

Sand shall consist of natural sand particles composed of clear, tough, durable grains free from clay, loam, or other foreign materials. The sand also has to be washed. When tested by laboratory screens, it shall meet the following grading requirements:

Normal density fine aggregate as defined in the following extract from CSA standard CAN/CSA-A23.

5.3 NORMAL DENSITY FINE AGGREGATE**5.3.1. GENERAL CHARACTERISTICS**

NORMAL DENSITY FINE AGGREGATE SHALL CONSIST OF NATURAL SAND, MANUFACTURED SAND, OR A COMBINATION THEREOF.

5.3.2. GRADING**5.3.2.1. SIEVE ANALYSIS**

FINE AGGREGATE SHALL BE GRADED WITHIN THE LIMITS SPECIFIED IN TABLE 1. NOT MORE THAN 45% SHALL BE RETAINED BETWEEN ANY TWO CONSECUTIVE SIEVES SHOWN IN TABLE 1. GRADATION BY SIEVE ANALYSIS SHALL BE IN ACCORDANCE WITH CSA TEST METHOD A23.1-2A.

NOTE: WHEN THE FINE AGGREGATE IS TO BE USED IN CONCRETE THAT WILL BE PLACED BY PUMPING METHODS, THE GRADING CHARACTERISTICS OF THE FINE AGGREGATE MAY REQUIRE SPECIAL ATTENTION. FOR ADDITIONAL INFORMATION REFER TO ACI STANDARDS 304R AND 204.2R.

GRADING LIMITS FOR FINE AGGREGATE

SIEVE SIZE	TOTAL PASSING SIEVE
10 MM	100
5 MM	95 - 100
2.5 MM	80 - 100
1.25 MM	50 - 90
630 UM	25 - 65
315 UM	10 -35
160 UM	2 - 10



City of Saint John

FORM OF TENDER

ITEM NO.	TYPE	CONDITIONS	PRICE PER METRIC TONNE
PIT RUN GRAVEL (GRANULAR "B"):			
1 A	PIT RUN GRAVEL-561000065	LOADED AT PIT EAST	
1 B	PIT RUN GRAVEL-561000138	LOADED AT PIT WEST	
1 C	PIT RUN GRAVEL-561000067	DELIVERED CITY EAST	
1 D	PIT RUN GRAVEL-561000068	DELIVERED CITY WEST	
PIT RUN GRAVEL (GRANULAR "A"):			
2 A	CRUSHED GRAVEL-56100069	LOADED AT PIT EAST	
2 B	CRUSHED GRAVEL-561000110	LOADED AT PIT WEST	
2 C	CRUSHED GRAVEL-561000071	DELIVERED CITY EAST	
2 D	CRUSHED GRAVEL-561000072	DELIVERED CITY WEST	
SAND:			
3 A	SAND- 561000076	LOADED AT PIT EAST	
3 B	SAND- 561000111	LOADED AT PIT WEST	
3 C	SAND-561000078	DELIVERED CITY EAST	
3 D	SAND-561000079	DELIVERED CITY WEST	
CRUSHED ROCK (MINUS):			
4 A	6 MM (1/4") MINUS-561000093	LOADED AT PIT EAST	
4 B	6 MM (1/4") MINUS-561000151	LOADED AT PIT WEST	
4 C	6 MM (1/4") MINUS- 561000152	DELIVERED CITY EAST	
4 D	6 MM (1/4") MINUS- 561000153	DELIVERED CITY WEST	

ITEM NO.	TYPE	CONDITIONS	PRICE PER METRIC TONNE
5 A	19MM (3/4") MINUS-561000096	LOADED AT PIT EAST	
5 B	19MM (3/4") MINUS-561000149	LOADED AT PIT WEST	
5 C	19MM (3/4") MINUS-561000082	DELIVERED CITY EAST	
5 D	19MM (3/4") MINUS-561000150	DELIVERED CITY WEST	
CRUSHED ROCK (CLEAR / MIX):			
6 A	13 MM (1/2") CLEAR-561000034	LOADED AT PIT EAST	
6 B	13 MM (1/2") CLEAR- 561000154	LOADED AT PIT WEST	
6 C	13 MM (1/2") CLEAR- 561000036	DELIVERED CITY EAST	
6 D	13 MM (1/2") CLEAR- 561000040	DELIVERED CITY WEST	
6 E	19 MM (3/4") CLEAR-561000098	LOADED AT PIT EAST	
6 F	19 MM (3/4") CLEAR-561000155	LOADED AT PIT WEST	
6 G	19 MM (3/4") CLEAR-561000100	DELIVERED CITY EAST	
6 H	19 MM (3/4") CLEAR- 561000041	DELIVERED CITY WEST	
6 I	51 MM (2") CLEAR-561000101	LOADED AT PIT EAST	
6 J	51 MM (2") CLEAR- 561000156	LOADED AT PIT WEST	
6 K	51 MM (2") CLEAR-561000124	DELIVERED CITY EAST	
6 L	51 MM (2") CLEAR- 561000103	DELIVERED CITY WEST	
6 M	8 – 3 CLEAR CONST. STONE 561000140	LOADED AT PIT EAST	
6 N	8 – 3 CLEAR CONST. STONE 561000157	LOADED AT PIT WEST	
6 O	8 – 3 CLEAR CONST. STONE 561000158	DELIVERED CITY EAST	
6 P	8 – 3 CLEAR CONST. STONE 561000159	DELIVERED CITY WEST	
SCREENED OR CRUSHED GRAVEL			
7 A	13 MM (1/2") -56100108	LOADED ON TRUCKS	

ITEM NO.	TYPE	CONDITIONS	PRICE PER METRIC TONNE
7 B	51 MM (2") - 561000113	LOADED ON TRUCKS	
TOPSOIL :			
8 A	TOPSOIL - 561000130	LOADED ON TRUCKS	/ Cu Yd
8 B	TOPSOIL - 561000064	DELIVERED CITY EAST	/ Load
8 C	TOPSOIL - 561000063	DELIVERED CITY WEST	/ Load
SCREENED TOPDRESSING SOIL:			
9A	SCREENED TOPDRESSING SOIL – 561000160	DELIVERED CITY EAST	/ Load
9B	SCREENED TOPDRESSING SOIL – 561000166	DELIVERED CITY WEST	/ Load
SOD:			
10	SOD - 561000061	LOADED ON TRUCKS	/ Sq. M
TOPDRESSING SAND:			
11 A	TOPDRESSING SAND 561000053	DELIVERED CITY EAST	
11 B	TOPDRESSING SAND 561000135	DELIVERED CITY WEST	
PLAYGROUND / BEACH SAND :			
12 A	PLAYGROUND/BEACH SAND 56100055	DELIVERED CITY EAST	
12 B	PLAYGROUND/BEACH SAND 56100059	DELIVERED CITY WEST	

**2019-561001T
 SAND, GRAVEL, AGGREGATES, TOPSOIL**

CONVERSION FACTORS

1 METRIC TONNE =	1.1023 ENGLISH TONS
1 CUBIC METRE =	1.308 CUBIC YARDS
1 ENGLISH TON =	.907 METRIC TONNES
1 CUBIC YARD =	.7646 CUBIC METRES

THE UNDERSIGNED DECLARES THAT THE ONLY PERSONS INTERESTED IN THIS BID AS PRINCIPALS ARE NAMED HEREIN AS SUCH: THAT THIS BID IS MADE IN GOOD FAITH, WITHOUT FRAUD, COLLUSION OR CONNECTION WITH ANY OTHER PERSON BIDDING FOR THE SUPPLY OF THESE MATERIALS, THAT HE HAS CAREFULLY EXAMINED THE SPECIFICATIONS FOR THESE MATERIALS, AND MADE ALL NECESSARY ENQUIRIES, THAT FROM HIS KNOWLEDGE, THUS OBTAINED, AGREES THAT UPON NOTICE THAT THIS TENDER WILL BE ACCEPTED FOR THE CITY, HE WILL SUPPLY LISTED MATERIALS FOR THE CITY IN ACCORDANCE WITH THE ATTACHED SPECIFICATIONS AND AS LISTED IN THE TENDER FORM AND CONDITIONS.

COMPANY:	ADDRESS:
NAME: (PRINT)	SIGNATURE:
TEL. NO.:	FAX. NO.:
AFTER HOURS TEL. NO.:	CELLULAR:
PAGER:	DATE: