

REQUEST FOR PRICING

TENDER 23-17

MCKELLAR BALLFIELD ROCK REMOVAL

Contractors are invited to provide pricing for the blasting of rock at the new ballfield location at the McKellar Community Centre located adjacent to the ice rink.

Tender Closing Date Dec. 20, 2023, at 2:00 PM local time

Tender Delivery Location delivered by email or
Greg Gostick roads@mckellar.ca

Contact Person Greg Gostick
Director of Operations
Township of McKellar
Cell 705 773-9001

Owner Township of McKellar
Box 69, 701 Highway 124,
McKellar, ON
P0A 1C0
705 389-2842

(Lowest or any tender not necessarily accepted)

QUOTATION FORM

Pages 1 to 6

Project Township of McKellar
Ballfield Rock Removal
Contract No. 23-17

Tenderer

NAME

ADDRESS

GENERAL

The Township of McKellar is developing a new ballfield at the Community Centre property adjacent the ice rink in the village of McKellar. The development of the ballfield requires the removal of approximately 1,100 cubic metres of rock.

The Township is requesting quotations for the drilling and blasting of rock on the ballfield. The Township will be responsible for excavating the blasted rock and placing the rock as fill where required.

The township would like the rock blasting to be completed by March 31, 2024.

IN SUBMITTING THIS TENDER THE BIDDER AGREES

1. We agree the successful bidder shall furnish an executed agreement, a Certificate of Insurance as specified, and WSIB Clearance Certificate, satisfactory to the owners.
2. We agree the bid deposit shall be in the form of a certified cheque, bank draft or money order payable to the Township of McKellar. The deposit shall be held by the Township as security until the project is completed. The Township shall cash and retain the security deposit if the project is not completed to the Township's satisfaction.
3. We agree that this tender price shall be open for acceptance for thirty (30) days after the tender closing date.
4. We agree that the Owner may not accept the lowest tender or any tender and further that the Owner will not defray any costs incurred in the preparation of this tender.
5. We agree that upon acceptance of this Tender by the owner, as notified by facsimile or mail, that we immediately shall sign the contract agreement, or a purchase order. We shall submit a construction schedule, and submit the required insurance and related documents as specified.
6. The Tenderer also understands and accepts that the prices set forth in this tender include full compensation to furnish all machinery, tools, apparatus and other means of construction, furnish all materials, and to complete the work in strict accordance with the work descriptions, and specification referred to in the Request for Pricing which includes the Description of Work, Project Location Drawing SK-1, and Provincial Standard Specifications OPSS.MUNI 100.

Schedule of Prices

Item	Type	Quantity	Unit Price	Total
Drill and Blast Rock	Lump Sum		n/a	\$ _____
H.S.T.				\$ _____
TOTAL TENDER PRICE				\$ _____

We the undersigned agree to provide, execute, complete the whole of the said work as set out in the tender documents for the Total Tender Price of

_____ in Canadian dollars which includes all prime costs, allowances, Federal Taxes, and Provincial Taxes.

Offered on behalf of:

Contractor: _____

Address: _____

Telephone _____

Fax number: _____

Authorized
Signature: _____

Witness: _____

Date: _____

Information to Bidders

Start Date: January, 2024

Completion: March 31, 2024

Bid Deposit: \$ 500.00 certified cheque, bank draft or money order payable to the Township of McKellar

Insurance: General Liability of \$ 2,000,000.00

Traffic Control: not required.

Agreement: OPS Contract or Purchase Order

Payment : single payment when project completed.

General Specifications

Unless otherwise noted the work will be governed by the OPSS.MUNI 100, November 2019.

Supplementary Specifications

General Description of Work (Blasting)

The Contractor shall hire a blasting specialist to carry out a pre blast survey as detailed in the supplementary specifications. A copy of the pre blast survey shall be filed with the township.

The Contractor shall use controlled blasting techniques to control the vibration and fly rock. Blasting mats are to be used on all blasts and no fly rock is permitted. All blasts are to be monitored for vibration and recorded. The Contractor shall start with test blasts at the furthest point from the ice rink to determine the optimum blasting patterns and loadings to limit vibration. All blasting vibrations are to comply with the peak particle velocities shown in Table 1. The contractor shall carry out all blasting with regard for protecting the existing infrastructure.

If excessive vibrations occur or fly rock occurs the contractor will be required by the township to engage the services of a blasting / vibration specialist to design the blasting patterns and maximum loadings at the Contractor's cost. The blasting consultant shall carry out their work as detailed in the monitoring section of these specifications

The maximum size of the blast rock is to be 600 mm. The blast rock shall be broken to 500 mm below the finished grade.

The bidders shall visit the site to satisfy themselves of the scope of the work and contact Greg Gostick (McKellar) regarding the details of the extent of the area to be blasted.

Drawing SK-1 shows the approximate location of the area to be blasted.

Pre Blast Survey Specifications

The contractor shall engage an independent vibration / blasting specialist with a minimum of 10 years experience in assessment of blasting damage for heavy construction in urban areas.

The specialist shall conduct a pre-construction survey which shall include but not be limited to properties within 100 metres of all blasting operations.

This will include all structures considered to be of potential risk, including, but not limited to, buildings, driveways, swimming pools, patios, wells, concrete structures etc. The pre-construction survey report shall include as a minimum the following information and a copy shall be provided to the Owner, prior to commencement of work.

1. The type of structure, including type of construction, and date when built if possible.
2. Areas where differential settlement or displacements exists, identifying visible cracks in walls, floors, and ceilings including diagrams if applicable room by room.
3. All apparent signs of structural defects or cosmetic damage.
4. The report shall use quantitative descriptions where applicable i.e."concrete slab displaced 2 inches" as opposed to "concrete slab displaced substantially".
5. Clear photographs or video tapes, as deemed necessary for recording of existing conditions.

The standard inspection procedure will include the provision of an explanatory letter to the property owners with a formal request for permission to carry out an inspection.

The survey report shall indicate the address of each of the properties inspected, the refusals received, and an evaluation of any evidence of potential hazards that exist.

Vibration Monitoring / Blast Design

The vibration specialist shall carry out sufficient investigation to determine and control the permissible intensity of the vibrations which will result from blasting or other operations. The investigations shall be carried out by the contractor and the specialist before the work is started in order to determine the maximum explosive charges, that can be used at locations throughout the work. The vibration specialist shall be responsible for preparing a report detailing the blast designs to be used. Two copies of the report shall be submitted to the owner prior to the start of construction.

The contractor shall prepare and submit to the owner "as blasted" records required by OPSS.MUNI 120.

The blasting operation shall be monitored as per the recommendation of the blasting consultant detailing the number of monitors and locations.

In the event that property damage occurs or potential claims are reviewed by the owner or contractor; the contractor shall have the vibration specialist investigate the claim and report on the merits of the claim to the contract owner. The vibration specialist shall also review the blasting designs and procedures and recommend changes to the blasting operations if necessary.

Any correspondence between the contractor or the contractor's representative and the claimant shall be copied to the township.

The contractor shall conduct all blasting in such a manner that the resulting peak particle velocity does not exceed the following recommended limits at the ground line adjacent to existing above ground structures in the vicinity of the project or right-of-way.

TABLE 1

MAXIMUM ALLOWABLE PEAK PARTICLE VELOCITIES, mm/sec.

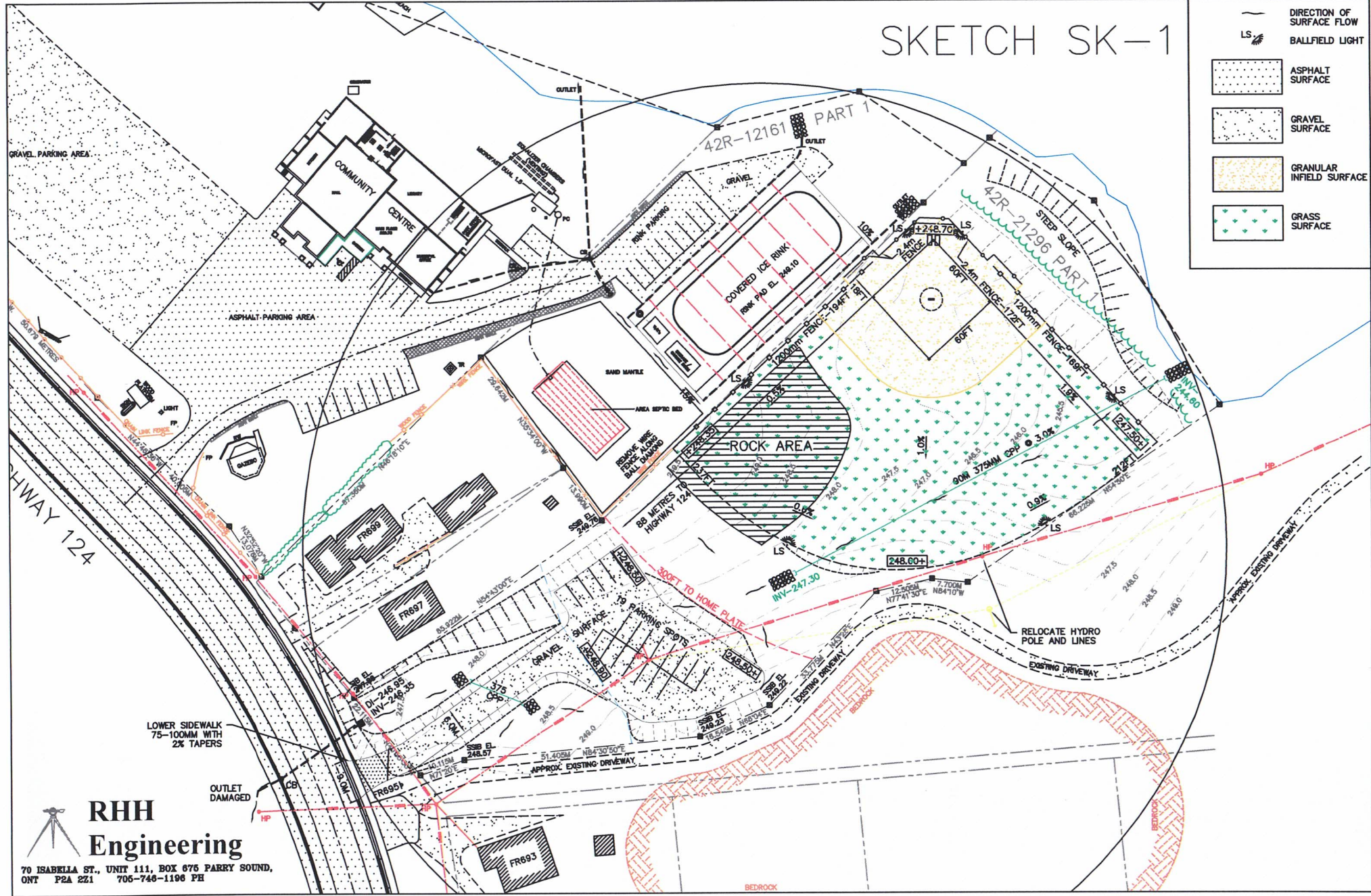
Frequency (Hz)	Max. Peak Particle Velocity, mm/sec.
>40	50
30 - 40	40
20 - 30	25
<20	12

Payment

The Contractor shall be paid on single payment basis when work is complete. The tendered price includes all related costs inclusive but not limited to specified insurance and the pre blast survey.

SKETCH SK-1

	DIRECTION OF SURFACE FLOW
	BALLFIELD LIGHT
	ASPHALT SURFACE
	GRAVEL SURFACE
	GRANULAR INFIELD SURFACE
	GRASS SURFACE



RHH Engineering
 70 ISABELLA ST., UNIT 111, BOX 875 PARRY SOUND,
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