



## KENTVILLE VOLUNTEER FIRE DEPARTMENT

463 Main Street  
Kentville, NS  
B4N 1K9

### CONTACT

902 678 7798 (Fire Station)

Brian Desloges, Fire Chief - 902 670 6931  
Scott Hamilton, 1<sup>st</sup> Deputy 902 680 6066  
Ian Fairclough, 2<sup>nd</sup> Deputy 902 670 0013

WEBSITE:  
[www.kentvillefire.ca](http://www.kentvillefire.ca)

EMAIL:  
[bdesloges@kentvillefire.ca](mailto:bdesloges@kentvillefire.ca)

## Tender

# Asphalt Paving Fire Apparatus Ramp to Webster Street

---

**May, 2020**

*KVFD Building Committee*

## **General Conditions**

### **1.0 Scope of Work**

This tender and specification covers the demolition and removal of the existing asphalt ramp, immediately followed by the installation of a replacement asphalt ramp facing Webster Street, for the **Kentville Volunteer Fire Department**, 463 Main Street, Kentville Nova Scotia. The Work generally described as:

- Protective hoarding, 6'-0" high surrounding the complete work area.
- Cutting and removal of existing asphalt, gravels, and subgrade at 2 fire apparatus bay doors facing Webster Street to the limits indicated on the attached sketch
- Cutting and removal of asphalt and gravels to connect new catch basin to an existing catch basin in the arena parking lot to limits shown.
- New reinforced concrete catch basin and approximately 72 foot drainage piping.
- New crushed rock granular over compacted subgrade
- New asphalt, approximately 500 square yards, for new asphalt ramp plus additional asphalt reinstatement for drain pipe installation in Arena parking lot.
- Reinstatement existing asphalt removed to accommodate new work to lines and levels matching adjacent surfaces.
- Cleaning of the work area and removal of materials upon Substantial Performance.

### **2.0 Standards**

All materials and methods of demolition and construction shall meet the specifications of the Nova Scotia Department of Transportation and Infrastructure Renewal for Road Construction latest edition

### **3.0 Insurance**

Contractor shall include a letter of Good Standing with the Nova Scotia Workers Compensation Board with their tender submission.

Upon award of contract Contractor shall provide proof of insurance for general liability for a value not less than \$2,000,000.

### **4.0 Project Phasing & Scheduling**

This is an operating fire station. However, during construction, the two fire apparatus bays facing Webster Street will be closed to fire apparatus and firefighter parking in the work area. The contractor will have complete access to the work area at all times.

Arena Parking Lot: provide adequate barricades and barriers to protect the public and prevent unauthorized entry to the Work area.

Coordinate construction with the Fire Department's Project Manager. Immediately following tender the contractor shall submit their schedule showing major work for each week to Substantial Performance.

## 5.0 Permits

The contractor is responsible to acquire and pay the cost for any and all permits.

## 6.0 Tender Procedures

Prior to tender submission, contractors shall visit the site to familiarize themselves with existing conditions and the scope of the work. The contractor shall provide their own measurements to satisfy themselves as to the intent of the work as described in the sketch provided. This sketch illustrates the general scope of the work only. No extra will be considered for any existing condition or site measurement that could be reasonably observed that impacts the work.

All questions pertaining to the tender shall be in writing, sent by email directed to the Fire Chief. All responses and/or addenda will be provided to all bidders by email.

## 7.0 Tender Submission Requirements

Bids will only be considered from companies that have an established reputation in the type of work specified.

Bids shall be submitted in writing on the Tender Form provided detailing the contractor's Stipulated Lump Sum price to complete the entire work described and contain their proposed start date and the date they anticipate achieving Substantial Performance

Bids shall be submitted according to the following:

- Closing Date: **May 27, 2020**
- Closing Time: 1:00 PM local time. Late bidders will be rejected
- Submission: Bids provided in a sealed envelope clearly marked  
**Kentville Volunteer Fire Department Ramp Replacement**  
addressed to:
  - Fire Chief  
Kentville Volunteer Fire Department  
463 Main Street, Kentville, NS, Canada  
B4N 1K9  
902 678 7798 (Office)  
902 670 6931 (Cell)  
bdesloges@kentvillefire.ca

The Kentville Volunteer Fire Department reserves the right to accept or reject any or all bids, to waive informality and to make the award in any manner deemed to be in the fire departments best interest, and not necessarily accept the lowest tender.

All bid prices shall be valid for thirty (30) days from the tender submission date.

All questions respecting this tender shall be directed to the Fire Chief in writing. In the event any question or response materially changes this General Condition or the Specification, the Fire Chief shall notify all Bidders in writing.

## 8.0 Schedule

The contractor shall specify in their bid the number of working days and/or calendar days necessary to complete the work. It is a requirement of this work that the contractor attend the work area continuously from commencement to completion. Since this work will impact this fully operational fire station, completion in the shortest time possible is a requirement.

The contractor will not be responsible for weather conditions, acts of God, or any circumstances beyond their control.

The successful bidder shall be expected to start work within 14 working days of contract award. The successful contractor shall be responsible to coordinate construction start with the **Project Manager Danny Durling @ 902, 698 9037** who will be available during normal work hours, 8:30 to 4:30 Monday through Friday. The contractor shall provide the Project Manager with fixed dates to start and complete the work allowing the project manager opportunity to provide a fire department response using the Main Street doors only.

Upon Substantial Performance of the Work, the contractor shall prepare a written list of deficiencies or incomplete work and submit this list with their Statutory Declaration to the Project Manager Danny Durling

## 9.0 Work Area Safety

The work area shall be under the care and control of the contractor who shall develop and implement their work area safety plan.

The work area shall be secured by temporary construction barriers erected and maintained to prevent access by any and all unauthorized persons during the entire performance of the work. The fence shall be modular steel, interlocking construction, minimum 6'-0" high.

Requirements for personal safety wear and limited access shall be posted.

The work area fence shall have operable gates allowing the passage of equipment, personnel, and materials. Storage of materials and equipment shall not interfere with parking access to the Kentville Centennial Arena. Control access by signage and barricades. Do not interfere or prevent truck delivery to the Independent Grocery Store at any time.

## 10.0 Work Procedures

During construction, the fire department's Project Manager is the only person responsible to answer any questions and coordinate activities between the fire department and the Contractor.

No other individual in the fire department has any authority to guide, suggest, or direct materials specified or the manner of construction adopted by the contractor.

The contractor shall not undertake any work that changes the materials specified or change the cost to provide the work. Any decision made that changes the materials and/or the scope of the work described herein, or changes the value of the contract will require a Notice of Change, followed by a quote from the contractor to execute the work. Do not execute any change until a signed Change Order is issued by the Fire Departments Board of Directors Chair, Paul Dawson.

During the entire construction, this access ramp work area will be closed to fire operations. The contractor will not be required to accommodate access by any fire apparatus at any time during construction. Firefighters will park in the Arena parking lot when accessing the fire station during an alarm.

### **11.0 Clarifications of Specifications**

Complete clarifications are required describing the reason for the deviation during construction. Deviations, in the absence of a Notice of Change and approved Change Order, from what was bid and what is constructed, will be cause for rejection.

### **12.0 Contract Award**

The successful bidder shall be notified by the fire departments Board of Directors in writing confirming the bidders schedule and approved cost to construct the work.

### **13. Payment**

Payments will be either a monthly draw or one lump sum at Substantial Performance following procedures established by Nova Scotia Mechanics Lien Act will apply. Holdbacks will apply for each payment request.

End of General Conditions

**Tender Submission Form**

All bidders shall submit this Bid Form containing the information required. Bids shall be in Canadian Funds.

\_\_\_\_\_  
Name of Bidder

\_\_\_\_\_  
Address

\_\_\_\_\_  
Contact Phone & Email

General Conditions, Mobilization, & Work Area Safety \$ \_\_\_\_\_

Demolition and Material Removals \$ \_\_\_\_\_

In-Situ Soil Compaction \$ \_\_\_\_\_

Sub Base and Base Crushed Rock Granular \$ \_\_\_\_\_

Complete Storm Drainage System \$ \_\_\_\_\_

Complete Driveway Asphalt \$ \_\_\_\_\_

Asphalt Reinstatement Complete \$ \_\_\_\_\_

Total Bid \$ \_\_\_\_\_

Nova Scotia HST \$ \_\_\_\_\_

Total Bid Including HST \$ \_\_\_\_\_

**Schedule:**

Proposed Start Date \_\_\_\_\_

Proposed Date of Substantial Performance \_\_\_\_\_

## General Specifications

These specifications are in addition to the Nova Scotia Department of Transportation Infrastructure Renewal Standard Specification for Road Construction which shall be the specification for all materials and methods of construction and shall prevail.

### 1.0 Project Safety

The contractor is responsible for site safety working in accordance with their Health and Safety Plan. In addition, the fire department requires the contractor install and maintain all temporary barricades, barriers, and perimeter fencing necessary to protect the work and area and prevent access by all unauthorized personnel and the public. Provide gates for personnel and trucks to access the site. Maintain in closed position when not in use. Inspect and ensure they are secure daily. Repair or replace any damaged section of the perimeter fence. Post signs to exclude unauthorized persons, and requirements for PPE when on site.

### 2.0 Environmental Protection & Storm Water Runoff

As necessary or directed by municipal or provincial officials, provide silt and erosion control measures to keep materials from entering local storm sewers, Webster Street and the Kentville Arena parking lot. Removals of all eroded and deleterious materials within and beyond the work area is the sole responsibility of the contractor.

Current asphalt lines and levels direct storm water away from the adjacent Independent Grocery Store. Maintain this condition ensuring new asphalt continues to direct water away from this building.

### 3.0 Demolition and Grading

Remove all existing asphalt to limits shown and necessary to complete the work by wet saw cutting only. Dispose all surplus material off site as there is no opportunity to stockpile on site. Any stockpiled material shall be removed by the end of each day.

Remove existing in-situ soils, sand, gravels, and subgrade to lines and levels necessary for the work. Dispose off site.

The fire department is not aware of any structures that would be below the surface and would interfere with constructing the work. Should the contractor uncover any structure below grade that would impact the work, notify the Project Manager immediately, await instructions on the method to proceed. No claims for additional work and materials will be accepted that do not follow the Notice of Change and Change Order process.

Upon achieving subgrade elevations and levels suitable for the new work, make three passes proof rolling the existing subgrade. Provide suitable compaction equipment to determine any yielding or non load bearing subgrade. If any of these conditions are encountered notify the Project Manager immediately and await instructions and/or a Change Order to proceed.

#### **4.0 Granular Sub Base and Base Material**

All Type 1 and Type 2 granular shall be crushed and screened rock meeting the gradations established in Table 3.2.1, Gradation of the Nova Scotia Department of Transportations Standard Specifications, Section 2 – Gravel Type 1 & 2. Place and compact each granular layer to depths indicated compacting to a minimum 100% maximum dry density as described in the Standard Specifications Section 5 – Compaction of Gravels.

Provide and install Type 1 Base granular minimum 6 inches compacted depth over Type 2 Sub Base granular minimum 10 inches compacted depth. The contractor shall check conformity with the cross sections with a grade tolerance of +/- 1/2 inch over a 10'-0" straight edge. Correct any highs and lows.

#### **5.0 Storm Water Catch Basin & Piping**

Storm Sewer Pipe - Minimum 8 inch diameter DR-35 Polyvinyl Chloride meeting CAN/CSA B1800. For storm sewer drainage. Joints: bell and spigot with locked-in rubber gasket.

Catch Basin – Standard reinforced square catch basin 24 inch inside dimension by 4'-0" depth with a sump. Frames, covers and gratings to ASTM A48, gray cast iron, factory coated.

#### **6.0 Asphalt Pavement**

Install asphalt in two lifts. Type D Surface over Type B Base asphalt meeting the gradations established in Table 4.4.4, Gradation of Combined Aggregates established in the Nova Scotia Department of Transportation Standard Specification, Division 4 Pavements. Place and compact each asphalt layer to depths indicated compacting using double steel drum roller or a vibrating steel drum roller.

Provide and install Type D Surface asphalt minimum 1 1/2 inches compacted depth over Type B Base asphalt minimum 2 inches compacted depth. The contractor shall check conformity with the cross sections with a grade tolerance of +/- 1/2 inch over a 10'-0" straight edge. Correct any highs and lows.

Any obvious defects, as determined by the Project Manager, will be cause for rejection of the pavement. Such defects shall include, but not necessarily be limited to, the following:

- Segregated areas;
- Areas of excess or insufficient asphalt cement;
- Roller marks;
- Cracking or tearing;
- Improper matching of longitudinal and transverse joints;
- Tire marks;
- Improperly constructed patches;
- Improper cross slope and;
- Fuel spills on the mat.



## **7.0 Asphalt Reinstatement**

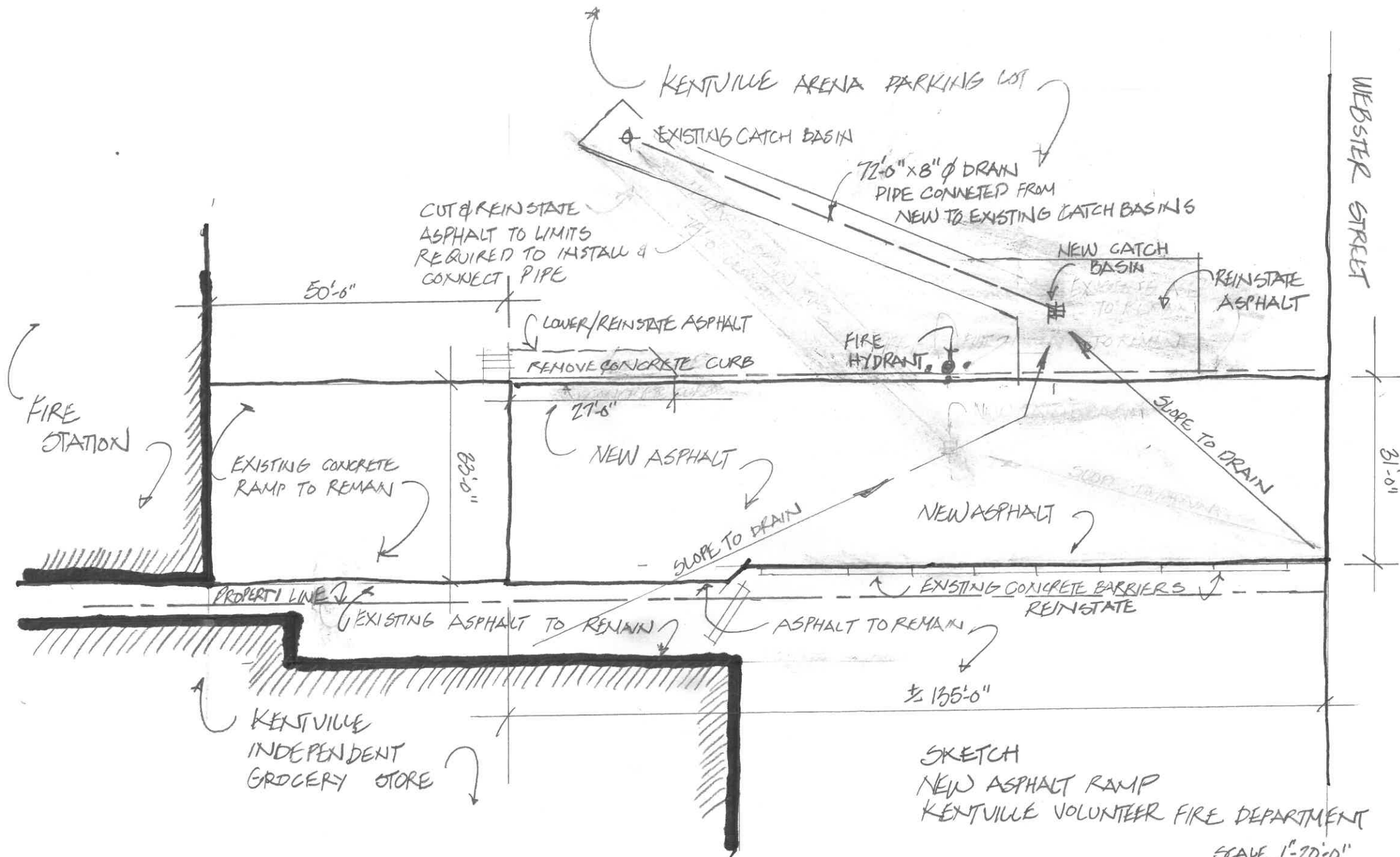
Reinstate asphalt following the installation of the work. Include area required for the storm drainage system in the Arena Parking lot. Reinstate with Surface Type D asphalt meeting the specifications of the NSDOT Table 4.4.4 – Gradation of Combined Aggregates minimum 2 inches compacted thickness over minimum 6 inches compacted depth Type 1 Base granular to replace all existing asphalt, gravels, and subgrade removed to construct the work.

Bond new asphalt to existing asphalt using a Liquid Asphalt Primer according to NSDOT Standard Specification, Section 5 Liquid Asphalt Primer. Blend new asphalt flush and smooth with adjacent surfaces.

## **8.0 Site Cleaning**

Remove all materials not incorporated into the work off site. Clean all surfaces prior to the declaration of Substantial Completion of the work.

End of Specifications



SKETCH  
 NEW ASPHALT RAMP  
 KENTVILLE VOLUNTEER FIRE DEPARTMENT  
 SCALE 1"=20'-0"  
 DATE: APRIL 27/20