

## **Quotation for Wharf Repairs, Cambridge-Narrows Wharf**

September 22, 2025

### **Re: Quotation for Wharf Repairs, Cambridge-Narrows Wharf**

On behalf of the Village of Arcadia, NB you are invited to provide a quotation for the replacement of a 44 foot section of deteriorated concrete curb, repair to sections of the timber and steel Berlin wall as well as installation of new timber sheathing along the outer 3 wharf faces, including 2 ladders as noted on the attached plan and photo. The work to be performed is allocated to 4 distinct areas known as Priority Areas.

### **Scope of Work**

#### **Priority Area 1**

- The work in this area is located between the outer most pier and the second pier from the front of the wharf along the down stream side of the wharf. It consists of the installation of a new reinforced concrete curb in the location as noted in Photo 1. Since the existing concrete curb location is severely damaged the new curb will be located approximately 1 foot inside the existing curb location to a point where a solid base is found. The new curb will be constructed as noted on the Plan titled Detail of New Wheel Guard. Additional concrete patching will occur at the location of the former curb and along the side of the cope wall which has also deteriorated.

#### **Priority Area 2**

- The work in this area is located along the outer face of the wharf and measures approximately 92 along the face of the wharf. (See Photo 1 for location)
- Along the upstream face of the wharf, just under the concrete curb, in three different bays at least 1 square sawn timber has been pushed inward or is missing. Attempt to pull the timber back into its original position and secure in place with drift bolts or structural screws through the timber and  $\frac{3}{4}$  the distance through the timber below. Timber is to be pre-drilled and drift bolts installed 1 foot from each end and ever 3 feet or less along the length of the timber. If a timber cannot be returned to its original position, remove same, supply and install a new pressure treated piece of timber of dimensions of the existing timber.
- Upon completion of the repairs to the existing timber face of the wharf supply and install new 5" thick by 10" wide sheathing. The sheathing will be untreated hemlock or tamarack and will be driven vertical tight against the existing Berlin Wall, if possible, 4' into the bottom and secured with new countersunk  $\frac{3}{4}$ " wedge anchors installed into the existing curb, as per manufacturers

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recommendation. If an obstruction such as a rock or sunken timber is encountered remove same before attempting to drive the sheathing. If difficulty in driving the sheathing is still encountered use a steel driving device of similar dimensions to the sheathing to create a seat for installation of the timber sheathing. Remove steel driving device and install sheathing.

- Two new timber ladders will be installed along this face of the wharf at locations to be determined in the field. The ladders will be priced as a separate line item in the bid sheet.

### Priority Area 3

- The work in this area is located along the downstream inner face of the wharf and measures approximately 24.5 feet along the face of the wharf. (See Photo 1 for location)
- Along the face of the wharf, just under the concrete curb, in the outermost bay approximately 7-8 square sawn timbers are missing. (See Photo 2) Install new pressure treated timber to close the existing opening. As of September 2, 2025 3 pieces of dislodged timber were observed to have washed up on shore in the nearby cove. If it can be retrieved and reused it is permitted to do so. As each section of timber is installed it is to be secured in place with drift bolts/structural screws through the timber and  $\frac{3}{4}$  the distance through the timber below. When using drift bolts the timber is to be pre-drilled and drift bolts installed 1 foot from each end and ever 3 feet or less along the length of the timber.
- Upon completion of the repairs to the existing timber face of the wharf supply and install new 5" thick by 10" wide sheathing. The sheathing will be untreated hemlock or tamarack and will be driven vertical tight against the existing Berlin Wall, if possible, 4' into the bottom and secured with new countersunk  $\frac{3}{4}$ " wedge anchors installed into the existing curb, as per manufacturers recommendation. If an obstruction such as a rock or sunken timber is encountered remove same before attempting to drive the sheathing. If difficulty in driving the sheathing is still encountered use a steel driving device of similar dimensions to the sheathing to create a seat for installation of the timber sheathing. Remove steel driving device and install sheathing.

### Priority Area 4

- The work in this area is located along the upstream inner face of the wharf, adjacent to the boat launch ramp, and measures approximately 20 feet along the face of the wharf. (See Photo 1 for location)

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- Upon completion of the repairs to the existing timber face of the wharf supply and install new 5” thick by 10” wide sheathing. The sheathing will be untreated hemlock or tamarack and will be driven vertical tight against the existing Berlin Wall, if possible, 4’ into the bottom and secured with new countersunk  $\frac{3}{4}$ ” wedge anchors installed into the existing curb, as per manufacturers recommendation. If an obstruction such as a rock or sunken timber is encounter remove same before attempting to drive the sheathing. If difficulty in driving the sheathing is still encountered use a steel driving device of similar dimensions to the sheathing to create a seat for installation of the timber sheathing. Remove steel driving device and install sheathing. You are requested to visit the site prior to submitting a bid and make yourself thoroughly familiar with the scope of work and take final measurements adequate for bid preparation.

To respond to this Quotation Request please complete and sign the following bid sheet at the earliest possible date and submit to:

Village of Arcadia  
Karrie.Bedford@arcadianb.ca

Attention: Karrie Bedford, CAO

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### Quotation for Sheathing Repairs

Our Lump Sum Price, exclusive of HST, for all personnel, equipment and material necessary for repairs as noted above and on plans and photos for each Priority Area is

Priority Area 1                      \$ \_\_\_\_\_

Priority Area 2                      \$ \_\_\_\_\_

Priority Area 3                      \$ \_\_\_\_\_

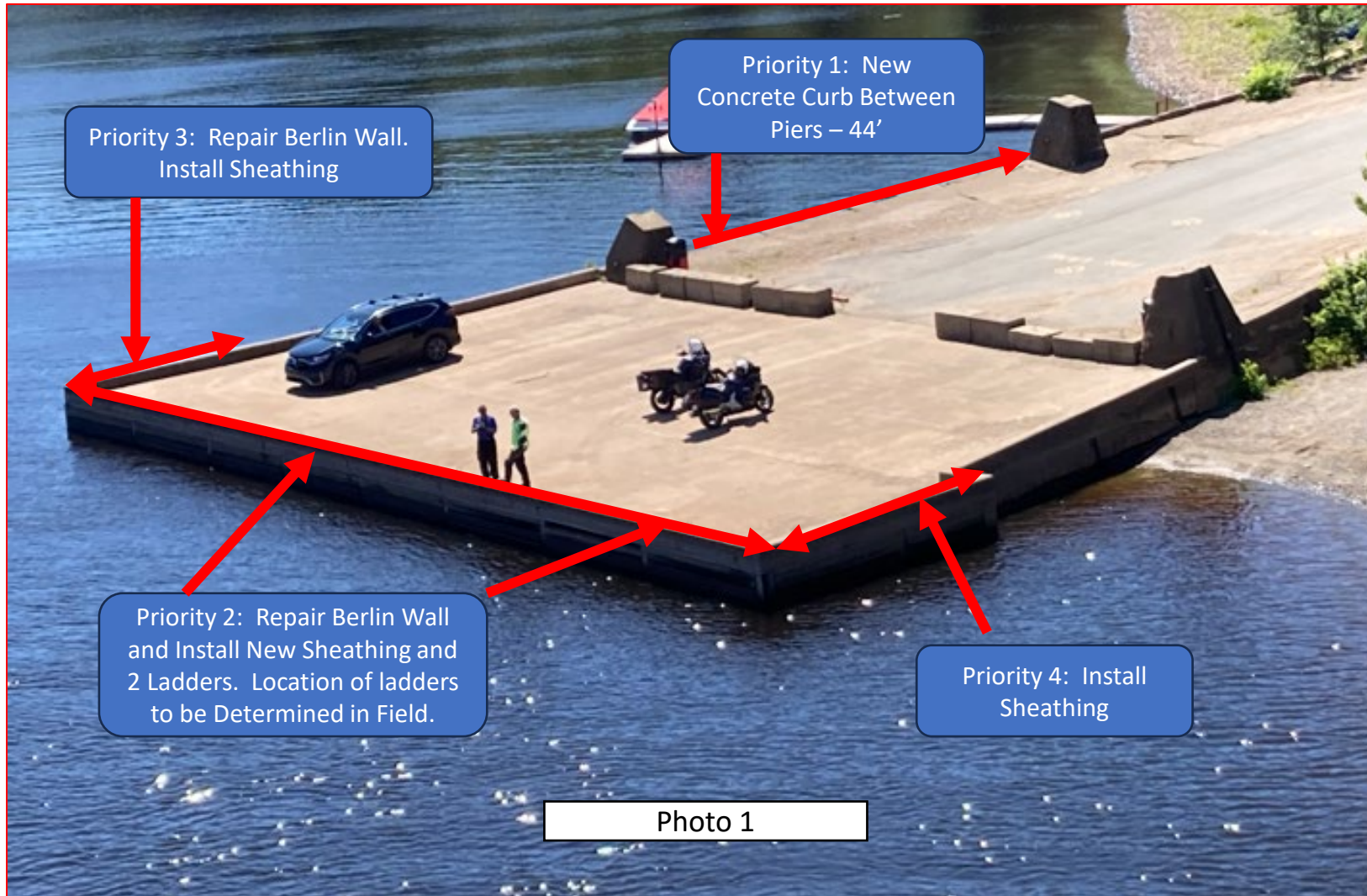
Priority Area 4                      \$ \_\_\_\_\_

Two (2) Ladders                      \$ \_\_\_\_\_

Total Price (Excluding HST)      \$ \_\_\_\_\_

\_\_\_\_\_  
Contractor Signature

\_\_\_\_\_  
Date



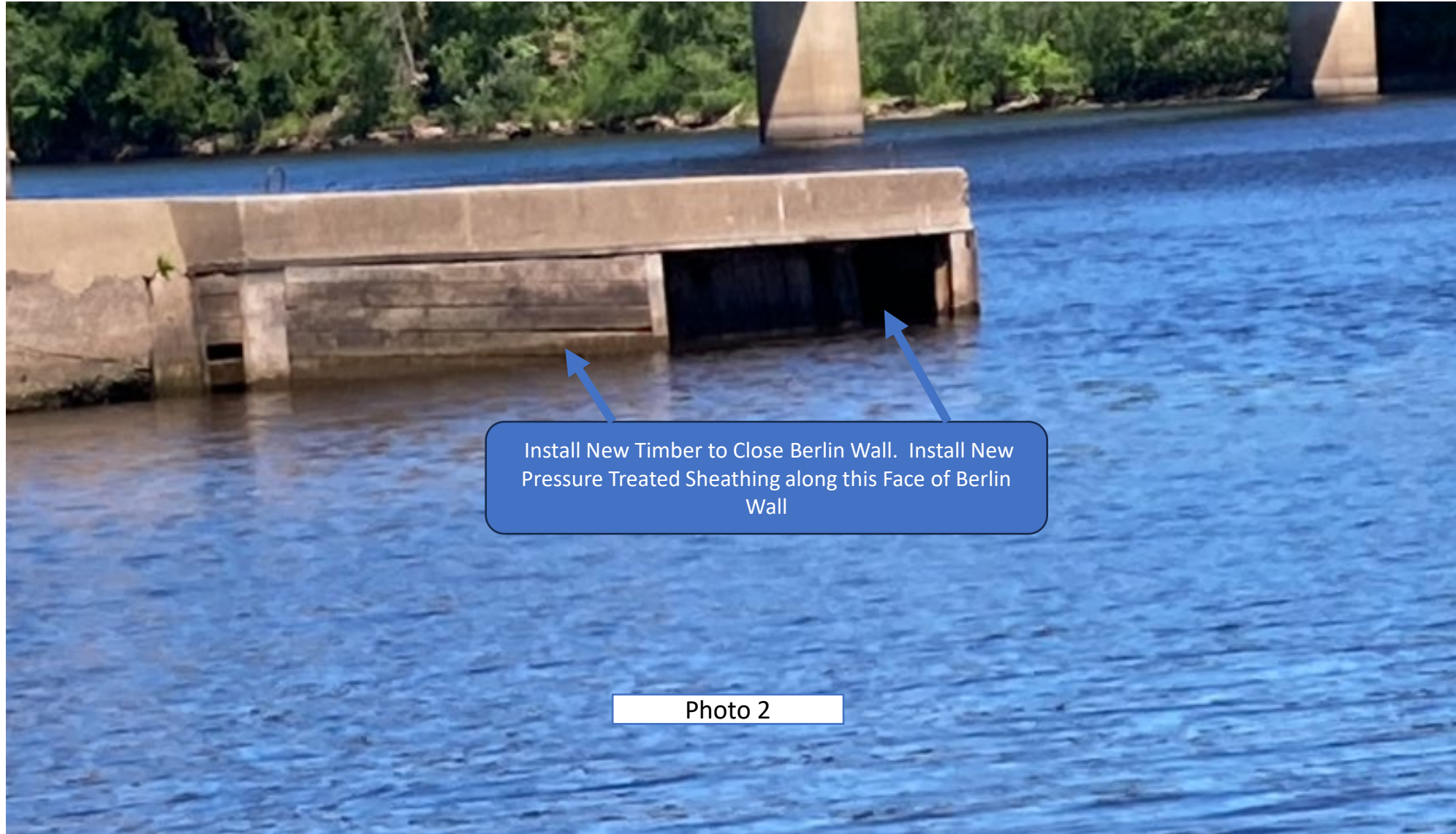
Priority 3: Repair Berlin Wall.  
Install Sheathing

Priority 1: New  
Concrete Curb Between  
Piers - 44'

Priority 2: Repair Berlin Wall  
and Install New Sheathing and  
2 Ladders. Location of ladders  
to be Determined in Field.

Priority 4: Install  
Sheathing

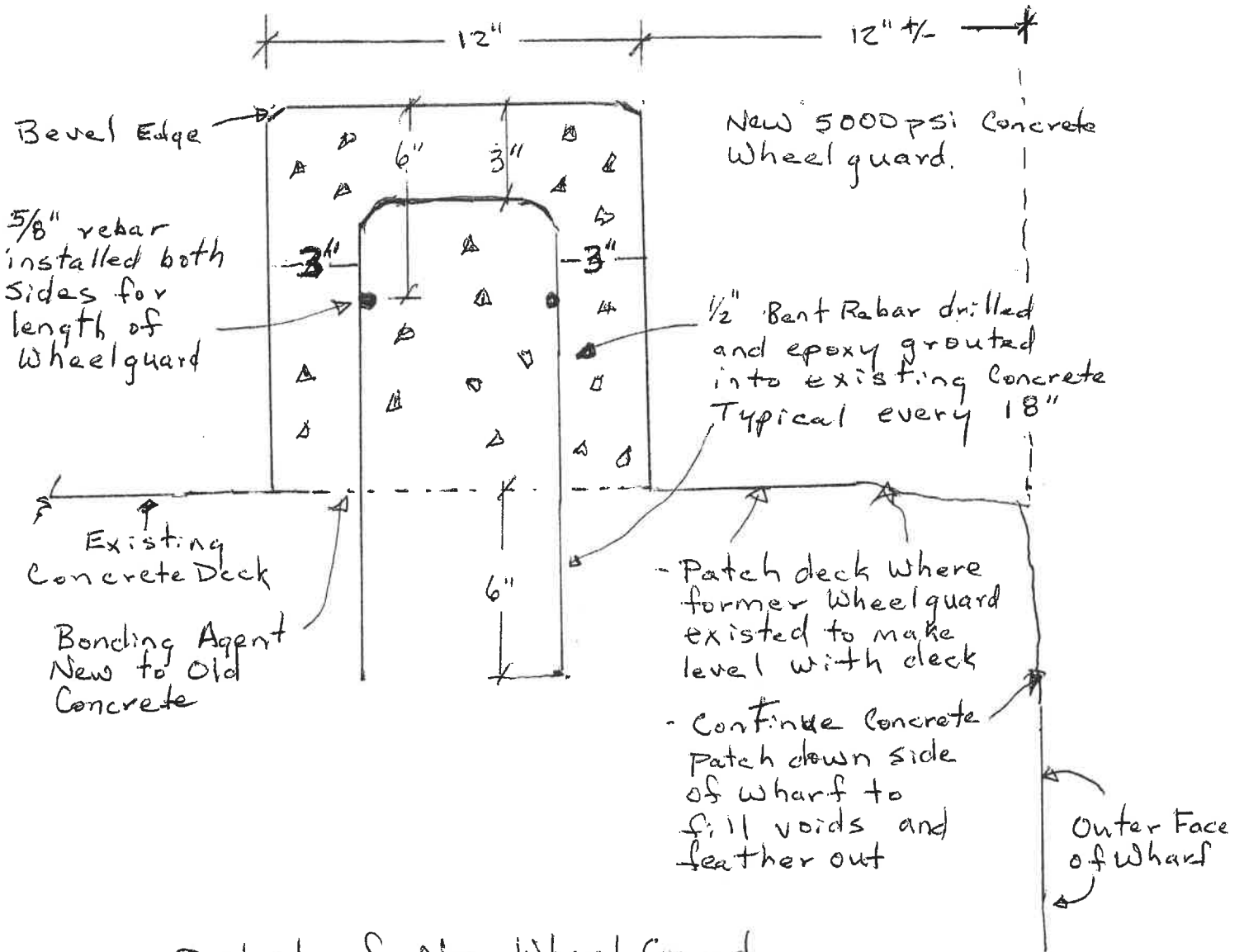
Photo 1



Install New Timber to Close Berlin Wall. Install New Pressure Treated Sheathing along this Face of Berlin Wall

Photo 2

# Cambridge - Narrows Wharf Repairs



Detail of New Wheel Guard

N.T.S.