

Brunswick Streetscape Enhancement Project

Brunswick, Maine

ADDENDUM #1

Bids remain due by 10:00am on Friday September 15, 2023 to the same address/location as described in the Notice to Bidders.

General Description

Addendum # 1 responds to written questions received by prospective bidders, and one found discrepancy on the plans.

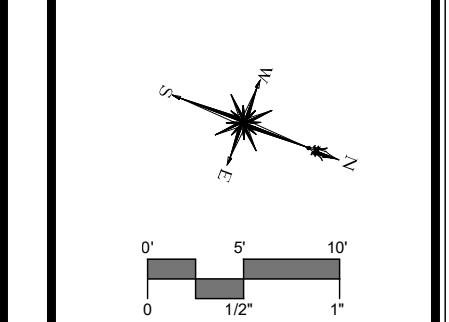
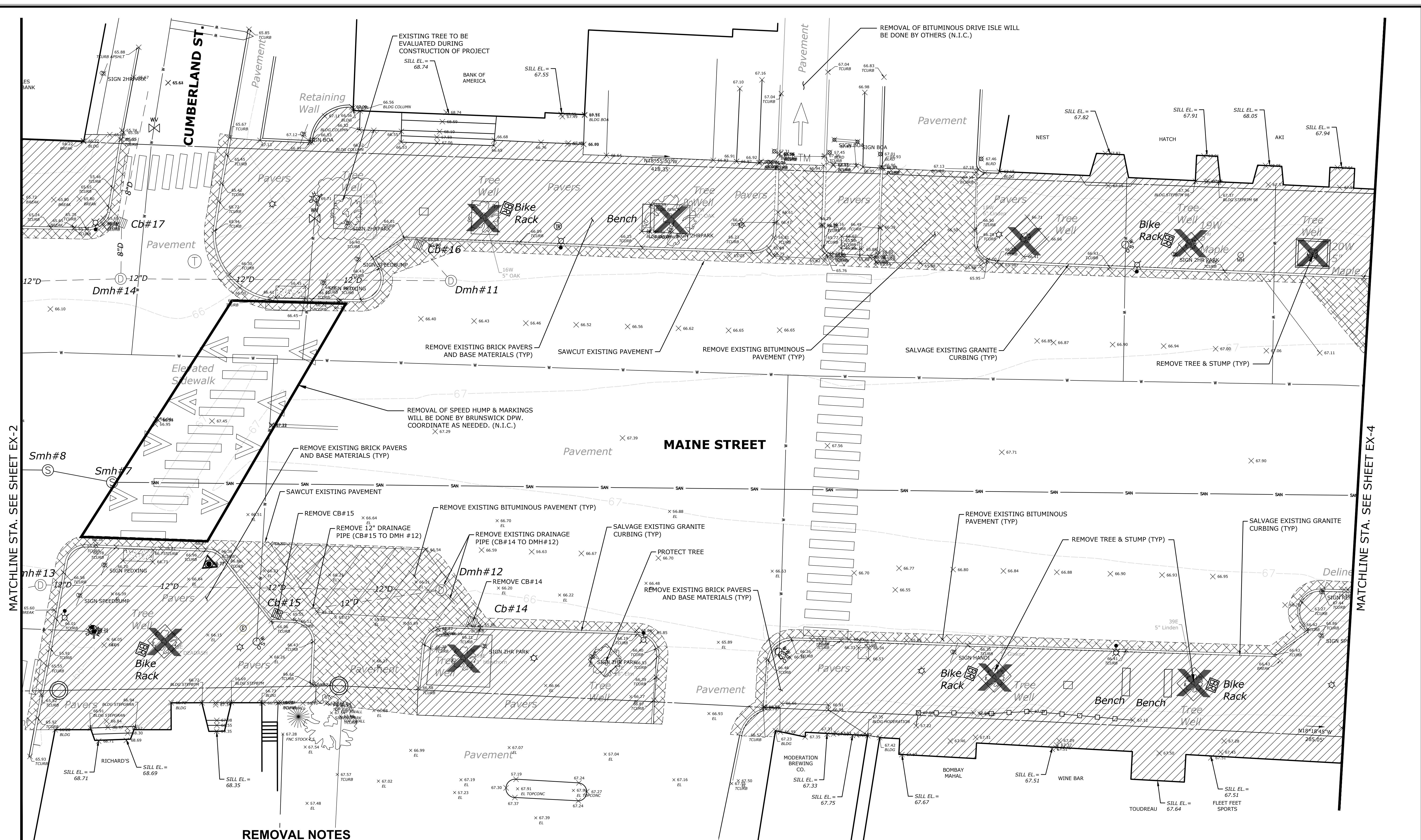
Plan and Bid Document Modifications

1. A revised Sheet EX-3 is provided. Please note that the 18" Oak Tree on the west side of Maine St nearest Cumberland St. (in front of Bank of America) is NOT being removed, initially. Contractors shall coordinate with the Town Arborist on the evaluation of this tree as shown on Sheet LM-4.
2. A revised Section 609 – Granite Curbing is attached. Please refer to Question #12 below.

Written Questions & Answers – The question is in *italics* and the answer is in **bold**

1. *Referencing sheet SD 1 the joint detail indicates that beneath the bricks and extending under the bricks 6" is a 4" concrete slab as an extension of the concrete walk. My question is can the 6"x4" concrete under the bricks be poured separately? Possibly pinned to the sidewalk slab?*
For bidding purposes contractors should price the project as shown on the detail, as we would need more specific detail(s) to consider such an option.
2. *The concrete walk detail also indicates a haunch slab of 7 3/8". In place of the haunch could the 5" thick concrete sidewalk be an overall 6" thickness?*
No, we do not believe it is practical as it does not appear that this solution provides enough coverage (min 2") on the WWF reinforcement.
3. *Is the wire mesh epoxy coated? It mentions this in the spec (page 53) ,But not on the plans. Would fiber mesh reinforcement in the concrete be acceptable?*
Yes, the WWF shall be Epoxy Coated as indicated in the Special Provision Section 608.08. No, fiber mesh reinforcement cannot be substituted for the WWF.
4. *Do you have any idea how many of the benches ,bike racks ,trash receptacles the town would like to have delivered to their Industry way location?*
The Town anticipates the majority of the site furnishings will be returned to them.
5. *Resetting the sign posts, will these just be driven in the ground. What type of post will be needed? If the post is unacceptable by the engineer.*
Note 4 on Sheet EX-1 states that the replacement shall be similar – this is intended to mean the same type as what currently exists at that location.
6. *What is the paver pattern typical in the main areas abutting the concrete sidewalk, running bond?*
The main pattern of the sidewalk is Herringbone, the detail of the pattern is as shown on the Layout and Materials plans. A “soldier course” directly abuts the concrete sidewalk. Please also refer to the pattern details on Sheets LA-1 to LA-6.

7. *There are 3 different pavers mentioned? Is it the intention to use all? One? A combination?*
The three manufacturers mentioned make an approved brick for use on this project, however other manufacturers would be considered as described in Section 608.09 - 608.02 a.
8. *Do you want a 3/16 space between pavers? (page 50)Typical is friction joint. A mechanical brick cutter is a very efficient and effective method of cutting clay pavers. Would this be acceptable for this?*
We believe the reference is to page 60 (not 50) which states “Set pavers with a minimum joint width of 1/16 inch and a maximum of 3/16 inch, being careful not to disturb leveling base. Place pavers hand tight. Use string lines to keep straight lines.” Lugs are specified for the pavers which should enable the correct spacing when laid hand tight, therefore we do not see the need for using the mechanical cutter.
9. *Is it the intention to saw cut all of the concrete control joints and then use a joint seal? Can we use a divider tool?*
Yes, it is the intent to sawcut the control joints, 24 hours after placement of the concrete. No a divider tool cannot be used to establish the control joints.
10. *There is mention of colored concrete in the spec? Where is this?*
The reference we find is on page 54 under 608.04 – the word “colored” can be removed from the first sentence. To be clear there is no colored concrete being used on this project.
11. *Pay Item 626.11 shows a quantity of 23 precast concrete junction boxes. The Handhole Details shown on Dwg. SD-2 however, indicates that these handholes are fiberglass reinforced polyester handholes (Quazite Boxes). Please advise as to the type of handhole that is required. Are they precast concrete junction boxes or Quazite boxes?*
The boxes supplied should meet the detail shown on Sheet SD-2 (i.e. Quazite or polymer concrete), however the only pay item available for these boxes is Item 626.11 which has “precast concrete” in the title.
12. *On the Granite Curb a lot of details on this one. Spec book is calling for 6"x18" curb but plans show 5". Eased edges , 2" round edges thermaled?*
Curbing width should be 5" (see revised Section 609). All other finishes shall be as noted (eased edges, 2" round edges (only for curved pieces with Radius less than 15'), and thermaled back (3" min. depth).



SLR
DATE: 8-20-23
BY: DDS
DESCRIPTION: TREE EVALUATION CALL OUT

EXISTING CONDITIONS AND REMOVALS PLAN
DOWNTOWN STREETSCAPE ENHANCEMENT PROJECT
MAINE STREET
BRUNSWICK, MAINE

EX-3
SCALE: 1"=10'
DATE: JULY 20, 2023
PROJECT NO: 3516-11
OF 32
DWD: DESIGNED
GB: DRAWN
DWD: CHECKED
SHEET NAME: EX-3

EXISTING MATERIALS LEGEND

●	IRON PIPE OR ROD FOUND	□	FENCE
■	MONUMENT FOUND	●	BIKE RACK
○	UTILITY POLE	○	TRASH RECEPTACLE
○ EM	MANHOLE	—	CURB
—	ELECTRIC METER	—	OVERHEAD WIRES
—	SIGN	—	WATER LINE
—	CATCH BASIN	—	STORM PIPE
—	HYDRANT	—	SANITARY SEWER
—	WATER VALVE	—	— 12"D —
—	WATER SHUT OFF	—	— 70 —
—	TELEPHONE MANHOLE	—	— 68 —
○ W	WATER VALVE	—	MINOR CONTOUR
○ V	WATER SHUT OFF	—	MAJOR CONTOUR
○ T	TELEPHONE MANHOLE	—	TREE
○ S	STUMP	—	STUMP

EXISTING LIGHTING LEGEND

○	EXISTING PEDESTRIAN LIGHT
●	COBRA HEAD
○	SHOE BOX FIXTURE
○	GOOSENECK POLE LIGHT</td

SPECIAL PROVISIONS
SECTION 609
CURB

The provisions of Section 609 of the Standard Specifications shall apply with the following additions and modifications.

609.01 Description:

1.01 The existing granite stone curbing shall remain the property of the Town unless otherwise ordered by the Town and shall be transported to a Town storage lot, where the Town may designate. Existing stone curbing deemed to be in unsatisfactory condition by the Town shall be removed from the site and disposed of by the Contractor.

Submittals:

1. Straight Curb - 5-inch x 18-inch x 12-inch (5"W x 18"D x 12)L size sample of granite curbing shall be submitted to indicate color, shape selections, and conformance to the Contract Drawings.
2. Curved Curb - 5-inch x 18-inch x 12-inch (5"W x 18"D x 12)L size sample of granite curbing shall be submitted to indicate color, shape selections, and conformance to the Contract Drawings.
3. Photos of the exposed granite and are to be provided to the Engineer for approval prior to ordering.

609.02 Materials:

Granite curb shall conform to the following requirements:

Average Results of 4 ASTM specimen samples shall be

<u>Requirement</u>	<u>Minimum Criteria</u>	<u>Testing Method</u>
Bulk Density:	165 lbs/cubic foot, min.	ASTM C-99
Absorption:	.37%, max.	ASTM C-97
Compressive Strength:	23,000psi, min.	ASTM C-170
Modulus of rupture:	1,500psi, min.	ASTM C-99

Black vein rejection - Curbs with vein of black through the stone shall be rejected. Curbs with black spots, splotches, or streaks may be accepted if they do not detract from physical appearance of exposed surfaces.

Quartz vein tolerance - Curbs with quartz veins may be accepted. However, all stones with quartz veins must be examined very closely to ascertain whether a seam exists along joint between granite and quartz. This is characterized by a discoloration (black, pink, Yellow) as fine as 1/16" along the joint. All such stones shall be rejected. Curbs with quartz veins shall be limited to 5% of total delivered and shall be evenly distributed throughout the job. All others shall be rejected.

Finishes:

5"x18" Granite Stone Curbing

Top	- Thermal
Front (Travel Way Face)	- Split
Back (Upper 3")	- Flamed
Back (Lower 12")	- Split
Bottom	- Sawn

The top/front edge shall incorporate a 1/4" radius eased edge.

The top/back edge abutting the landscape island shall incorporate a 1/4" radius eased edge.

5"x18" Granite Curved Stone Curbing

Top	- Thermal
Front (Travel Way Face)	- Split
Back (Upper 3")	- Flamed
Back (Lower 12")	- Split
Bottom	- Sawn

The top/front edge shall incorporate a 2" radius eased edge.

The top/back edge abutting the landscape island shall incorporate a 1/4" radius eased edge.

609.03 Vertical Stone Curb, Terminal sections, Transition Sections:

Curb Type 1 and Curb Type 5 shall be bedded in concrete or as otherwise directed by the Engineer.

a. **Installing Stone Curbing:** The curbing shall be set on edge and settled into place to the line and grade required, straight and true for the full depth. 'Fill Concrete' bedding shall be placed along each side of the curb as detailed. The granite curb to be installed in areas where tree areas are proposed shall have reinforced concrete supports at all joint locations as shown in details. Stone curbing shall extend across driveways and shall be set so that there is a lip at the pavement edge. (The curb top elevation shall be 1" above the finished edge of pavement.) The ends of the stone curbing at driveways, handicap ramps, and intersections shall transition in elevation and shall have a beveled or rounded cut, as approved by the Town.

Excavation: Excavation shall extend below the bottom of the curbing as shown on detail, the trench being sufficiently wide to permit thorough tamping. The base material/backfill shall be compacted in layers not more than 6 inches in depth to a firm, even surface and shall be approved by the Town.

609.10 Basis of Payment:

The existing granite stone curbing shall remain the property of the Town unless otherwise ordered by the Town and shall be transported to a Town storage lot, where the Town may designate. Existing stone curbing deemed to be in unsatisfactory condition by the Town shall be removed from the site and

disposed of by the Contractor. Removal of existing curbing and transport to designated site is to be considered included in the appropriate pay items below.

Payment will be made under:

Pay Item	Description	Pay Unit
609.11	Vertical Curb Type 1	Linear Feet
609.12	Vertical Curb Type 1 – Circular	Linear Feet
609.234	Terminal Curb Type 1 – 4 Foot	Each
609.237	Terminal Curb Type 1 – 7 Foot	Each
609.2371	Terminal Curb Type 1 – 7 Foot - Circular	Each
609.238	Terminal Curb Type 1 – 8 Foot	Each
609.2381	Terminal Curb Type 1 – 8 Foot - Circular	Each
609.35	Curb Type 5 – Circular	Linear Feet
609.38	Reset Curb Type 1	Linear Feet
609.4	Reset Curb Type 5	Linear Feet