Addendum No. 1

Project Name: Merchant's Alley Archway Project	Project No.: 24-25-12
Prepared By: Michael Turner	Date: October 9, 2024

Clarifications & Requirements:

1. Work will begin upon issuance of notice to proceed and shall be completed no later than one hundred and fifty (150) calendar days after notice to proceed. If the Contractor fails to complete the work within the time specified in the bid package, the Contractor shall pay liquidated damages to the City of Greenville in the amount of $250.00 for each calendar day of delay until the work is completed or accepted.
2. Much of the work is to be done during normal business hours and to not interfere with operations at City Hall. Work hours are Monday through Friday, 7AM-5PM. Some work can be done after normal business hours with prior approval and coordination with City staff.
3. Hodges Alley is a similar project the prospective contractor can reference.
4. Contractor will need to field verify arch span measurements, as well as, height from finish grade, prior to fabrication.
5. On page 6, item #2.7, strand spacing has been reduced to seven (7) to ten (10) feet instead of ten (10) to fourteen (14) feet from connection point to connection point.
6. Contractor will need to bring existing benches in the alley to the Public Works Facility, located at 1500 Beatty Street, for storage during demolition phase of the project. This will be coordinated with the Buildings and Grounds department. Benches are to be handled delicately and are not to be damage during removal and/or transporting or shipping.
7. All landscaping, vegetation and tree trimming will be performed by COG staff.
8. M/WBE ID and affidavit A or B is to be filled out entirely and submitted with the bid. Filling out both affidavit A and B will deem the bid unresponsive.
9. The contractor must acknowledge reading each addendum in the spaces provided on the bid sheet per instructions on page 9, item #6.1.
10. Bids are due Thursday, October 24 by 2:00PM. Bids will be received at the Public Works Administration offices at 1500 Beatty Street via postal mail service or hand delivered.

Questions and RFI submitted for discussion from pre bid meeting and/or by email:

1. The engineered drawing call for the cabling to be galvanized and rated at 20,000 lbs. but the specs call for stainless. Which one is correct?
   Answer: All cables (main and auxiliary) shall be stainless steel. Main cable shall be one-half (1/2) inch with a minimum breaking strength of 20,000 lbs.

2. Can the City do locate for the column footers? They are 6'-0" deep. Do we know that we are clear from any underground utilities?
   Answer: The contractor will be responsible for locating all underground utilities utilizing North Carolina 811 and Greenville Utilities Commission (GUC), as well as coordinating the relocation of utilities if necessary. Hand digging will be necessary in instances where an auger bore could compromise underground utilities.

3. Can we have an allowance for relocating site utilities?
   Answer: Yes. The allowance will be in the amount of $15,000.

4. Do we need to maintain access to the businesses and homes for the duration of the project?
   Answer: Safety is priority. Contractor is responsible for approved sidewalk detour plan, as well as provide temporary pedestrian access to businesses and residences during construction. The Contractor will also be responsible for the placement and management of all signage.

5. Is there a masonry spec or match for the brick column bases or are we matching the existing?
   Answer: Match existing as close as possible.

6. Where is the electrical panel and do we know how the electrical is going to be run?
   Answer: Breaker panel is located on southwest corner of parcel #87942 and is labeled "C.O.G. Panel". See attached photo for further reference to the electrical panel. Newly installed electrical conduit will be field located.

7. Is there a spec on the signage? Is the sign itself steel or is it an insert that can be changed?
   Answer: The sign is rolled tubular steel with a welded steel plate. The lettering is an applied letter, fabricated from steel, field welded on the rear of the sign, with all welds ground smooth and painted. The Contractor shall coordinate a site visit with City staff and a representative from the fabrication shop for layout and approval of the placement of lettering prior to welding.

8. What is the specification for the tree we are replacing and will the City provide that information?
   Answer: City of Greenville staff will be responsible for the selection and planting of the tree.

9. Has the structural integrity of the buildings been verified?
   Answer: Yes. Please refer to the sealed plans from RPA Engineering for design and proper sign attachment methods.

10. Will the electrical conduit be attached to the wall or the light pole at the pole close to 5th street end?
    Answer: The light pole and fixture shall be returned to the City. Pole base to be removed during demolition and the electrical is to be retained in place for use of the new café lighting. Conduit should be attached to the wall and be properly strapped and weather tight.

11. Will the gutter need to be relocated at the second arch attachment point?
    Answer: Yes. Coordinate with City staff.

12. Please advise if this project includes the installation of a solar PV system. If so, can you please share the necessary documents with us so that we can participate in the bidding process for this project?
    Answer: This project does not require solar lighting. Bidding documents and processes are found at Current Bid Opportunities | Greenville, NC (greenvillenc.gov).

13. Can the City provide the specifications on the existing pavers?
    Answer: Attached is sheet C1.1 for paver pattern and placement for reference only. Also attached is the specifications for paver placement and installation.

Attachments:

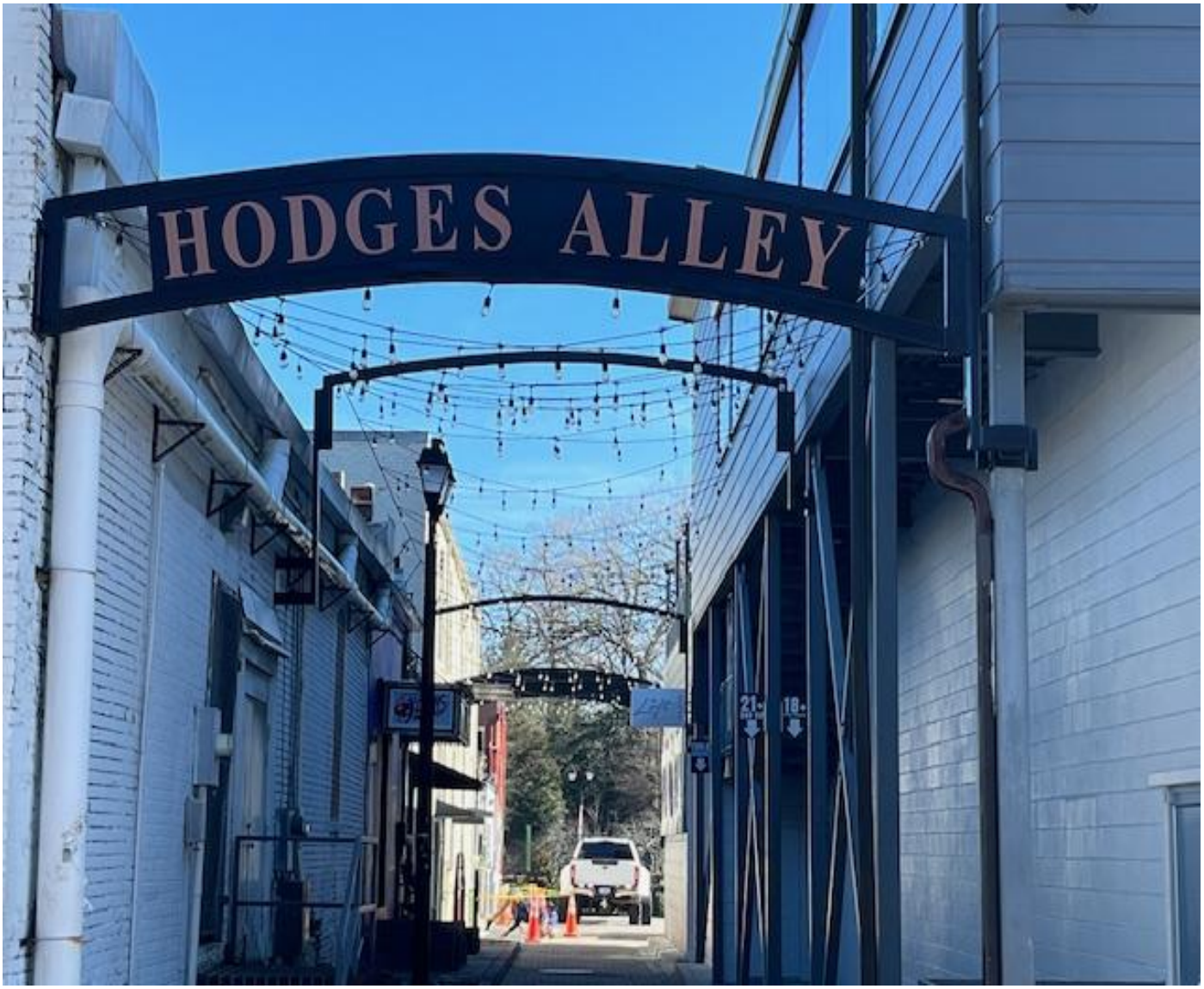
1. **Picture of site utilities (For reference only) Page 3**
2. **Picture of existing breaker panel Page 4**
3. **Picture of existing lighting contactor Page 5**
4. **Picture of Hodges Alley "X" pattern for café lights and sign (For reference only) Page 6**
5. **Sheet C1.1 (For reference only) Page 7**
6. **Specifications on pavers Pages 8-12**

Attachment 1 – Site utilities along 5th street end of Merchant's Alley (For reference only)

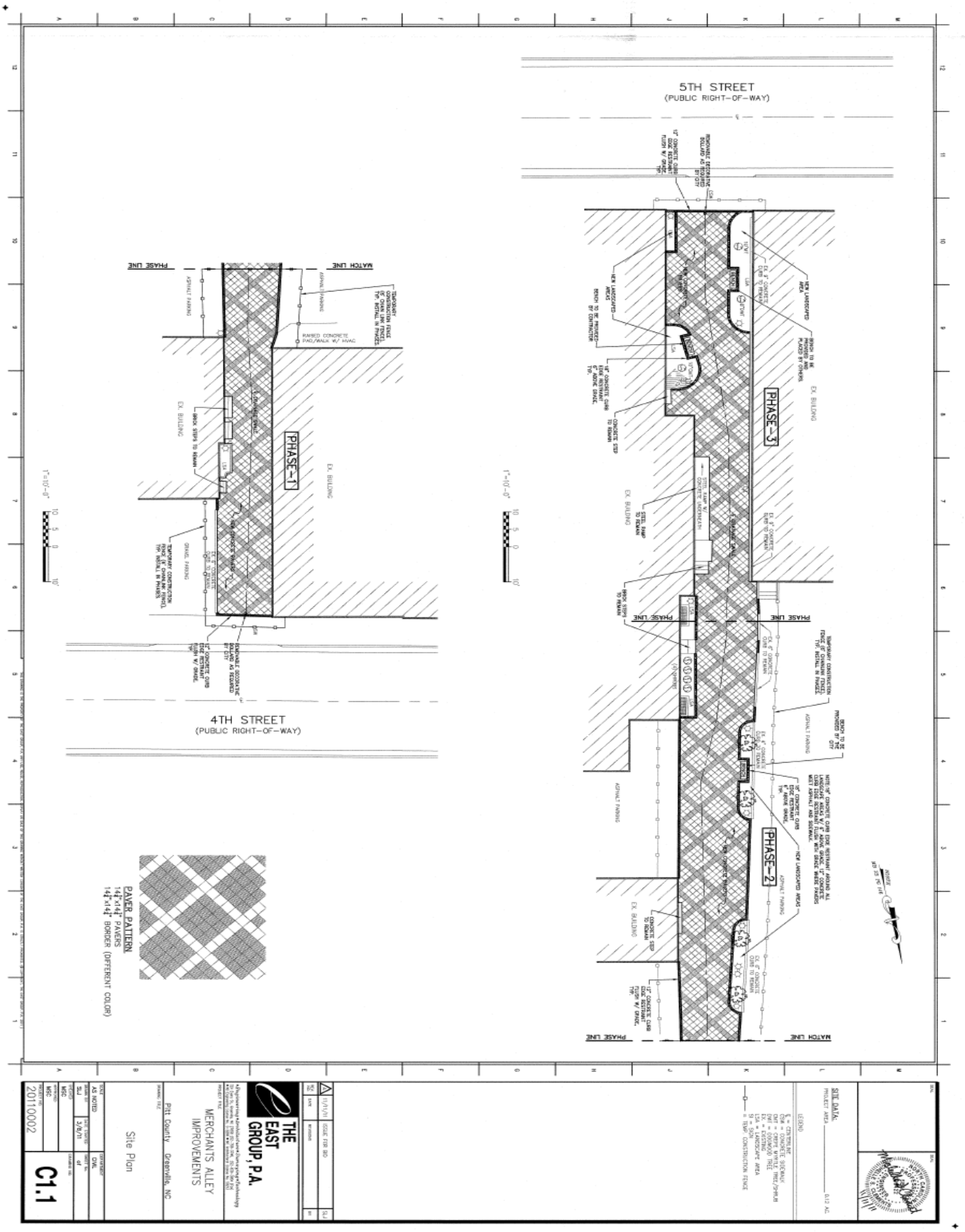
Attachment 2 – Existing Breaker Panel

Attachment 3 – Existing lighting contactor

Attachment 4 – "X" Pattern at Hodges Alley and sign (For reference only)



Attachment 5 – Sheet C1.1 Paver pattern and placement (For reference only)



Attachment 6 – Specifications on pavers

SECTION 02780 - UNIT PAVERS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:
   1. Concrete pavers set in aggregate setting beds.
   2. Cast-in-place concrete edge restraints.

B. Related Sections:

   1. Section 02300 "Earthwork" for base under unit pavers.

1.3 ACTION SUBMITTALS

A. Product Data: For materials other than water and aggregates.

B. Product Data: For the following:

   1. Pavers.
   2. Concrete Edge Restraints.

C. Sieve Analyses: For aggregate setting-bed materials, according to ASTM C 136.

D. Samples for Initial Selection: For the following:

   1. Each type of unit paver indicated.

E. Samples for Verification:

   1. Full-size units of each type of unit paver indicated.

1.4 QUALITY ASSURANCE

A. Source Limitations: Obtain each type of unit paver from single source with resources to provide materials and products of consistent quality in appearance and physical properties.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Store pavers on elevated platforms in a dry location. If units are not stored in an enclosed location, cover tops and sides of stacks with waterproof sheeting, securely tied.

B. Store aggregates where grading and other required characteristics can be maintained and contamination avoided.

PART 2 - PRODUCTS

2.1 CONCRETE PAVERS

A. Concrete Pavers: Solid paving units, made from normal-weight concrete with a compressive strength not less than **7200 psi**, water absorption not more than 5 percent according to ASTM C 140, and no breakage and not more than 1 percent mass loss when tested for freeze-thaw resistance according to ASTM C 67.

1. Thickness: As indicated on the construction drawings.
2. Face Size and Shape: As indicated on the construction drawings.
3. Colors: Terra Cotta (Main Color) and Grey (Accent Color). Refer to construction Drawings.

2.2 CURBS AND EDGE RESTRAINTS

A. Job-Built Concrete Edge Restraints: Comply with requirements in Section 02751 "Cement Concrete Pavement" for normal-weight, air-entrained, ready-mixed concrete with minimum 28-day compressive strength of 3000 psi (20 MPa). Refer to construction drawings for location and type of concrete edge restraints to be installed.

2.3 AGGREGATE SETTING-BED MATERIALS

A. Graded Aggregate for Base: Sound, crushed stone or gravel complying with requirements in Section 02300 "Earthwork" for base course.

B. Sand for Leveling Course: Sound, sharp, washed, natural sand or crushed stone complying with gradation requirements in ASTM C 33 for fine aggregate.

C. Sand for Joints: Fine, sharp, washed, natural sand or crushed stone with 100 percent passing No. 16 (1.18-mm) sieve and no more than 10 percent passing No. 200 (0.075-mm) sieve.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas indicated to receive paving, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Proof-roll prepared subgrade according to requirements in Section 02300 "Earthwork" to identify soft pockets and areas of excess yielding. Proceed with unit paver installation only after

deficient subgrades have been corrected and are ready to receive subbase and base course for unit pavers.

3.3 INSTALLATION, GENERAL

A. Do not use unit pavers with chips, cracks, voids, discolorations, or other defects that might be visible or cause staining in finished work.

B. Mix pavers from several pallets or cubes, as they are placed, to produce uniform blend of colors and textures.

C. Cut unit pavers with motor-driven masonry saw equipment to provide clean, sharp, unchipped edges. Cut units to provide pattern indicated and to fit adjoining work neatly. Use full units without cutting where possible. Hammer cutting is not acceptable.

1. For concrete pavers, a block splitter may be used.

D. Joint Pattern: As indicated on construction drawings.

E. Tolerances: Do not exceed 1/16-inch (1.6-mm) unit-to-unit offset from flush (lippage) nor 1/8 inch in 24 inches (3 mm in 600 mm) and 1/4 inch in 10 feet (6 mm in 3 m) from level, or indicated slope, for finished surface of paving.

F. Provide edge restraints as indicated. Install edge restraints before placing unit pavers.

1. Install job-built concrete edge restraints to comply with requirements in Section 02751 "Cement Concrete Pavement."

3.4 AGGREGATE SETTING-BED APPLICATIONS

A. Compact soil subgrade uniformly to at least 95 percent of ASTM D 698 laboratory density.

B. Proof-roll prepared subgrade to identify soft pockets and areas of excess yielding. Excavate soft spots, unsatisfactory soils, and areas of excessive pumping or rutting, as determined by Engineer, and replace with compacted backfill or fill as directed.

C. Place aggregate base, compact to 100 percent of ASTM D 1557 maximum laboratory density, and screed to depth indicated.

D. Place leveling course and screed to a thickness of 2 inches, taking care that moisture content remains constant and density is loose and uniform until pavers are set and compacted.

E. Set pavers with a minimum joint width of 1/16 inch and a maximum of 1/8 inch, being careful not to disturb leveling base. If pavers have spacer bars, place pavers hand tight against spacer bars. Use string lines to keep straight lines. Fill gaps between units that exceed **3/8 inch** with pieces cut to fit from full-size unit pavers.

1. When installation is performed with mechanical equipment, use only unit pavers with spacer bars on sides of each unit.

F. Vibrate pavers into leveling course with a low-amplitude plate vibrator capable of a 3500- to 5000-lbf (16- to 22-kN) compaction force at 80 to 90 Hz. Use vibrator with neoprene mat on

face of plate or other means as needed to prevent cracking and chipping of pavers. Perform at least three passes across paving with vibrator.

1. Compact pavers when there is sufficient surface to accommodate operation of vibrator, leaving at least 36 inches (900 mm) of uncompacted pavers adjacent to temporary edges.
2. Before ending each day's work, compact installed concrete pavers except for 36-inch (900 mm) width of uncompacted pavers adjacent to temporary edges (laying faces).
3. As work progresses to perimeter of installation, compact installed pavers that are adjacent to permanent edges unless they are within 36 inches (90 mm) of laying face.
4. Before ending each day's work and when rain interrupts work, cover pavers that have not been compacted and cover leveling course on which pavers have not been placed with nonstaining plastic sheets to protect them from rain.

G. Spread dry sand and fill joints immediately after vibrating pavers into leveling course. Vibrate pavers and add sand until joints are completely filled, then remove excess sand. Leave a slight surplus of sand on the surface for joint filling.

H. Do not allow traffic on installed pavers until sand has been vibrated into joints.

I. Repeat joint-filling process 30 days later.

3.5 REPAIRING AND CLEANING

A. Remove and replace unit pavers that are loose, chipped, broken, stained, or otherwise damaged or that do not match adjoining units. Provide new units to match adjoining units and install in same manner as original units, with same joint treatment and with no evidence of replacement.
   1. Cleaning: Sweep debris, dirt, dust, etc. from paver surface after installation is complete.

3.6 FIELD QUALITY CONTROL

A. After removal of excess sand, check final elevations for conformance to the drawings.

END OF SECTION 02780

Sealed bids will be received by the City of Greenville until Thursday, October 24, 2024, at 2:00 pm at the Public Works Department Administrative offices located at 1500 Beatty Street, Greenville, NC 27834-7207 with the Company Name, Attention: Michael Turner, Building Facilities Coordinator, and the words City of Greenville Public Works Department Merchant's Alley Archway Project Bid written on the outside of the sealed envelope. All bids will be marked with the date and time they are received by reception staff. Bids will not be opened and read aloud at this time but will be reviewed and the contract will be awarded at a later date. A bid tabulation sheet will be available upon request once the contract is awarded to the successful bidder.

End of Addendum No. 1