



ELLCOTTVILLE ENGINEERING DEPARTMENT

17 Mill St. Ellicottville, New York 14731
Phone: (716) 699-9005 Fax: (716) 699-2334



PROJECT SCOPE OF WORK

PROJECT TITLE:	Monroe St. Streetscape
LOCATION:	Monroe St. - Ellicottville, NY 14731
EVL ENG POC:	Niles C. Pierson, PE - Town and Village Engineer - 716-699-9005 Niles.C.Pierson@evlengineering.com

Location: **Southwest Side of Monroe St. between "The City Garage" and Rt. 219/242**
- **Approximate length - ~200 ft**

I. Existing Utilities: The Contractor shall field verify the location and availability of existing utilities.

II. Site Investigation: Investigate the site to ascertain the general and local conditions that can affect the work or its cost. **A Pre-Bid Site Visit is MANDATORY and is scheduled for 8:00AM on Monday, May 7th, 2018 at the project site.**

III. Continuity of Facilities Operation: Schedule work to minimize interference with normal operations.

IV. Notification of Start and Completion of Work: The Contractor shall notify the Ellicottville Engineering Department **(7) days** prior to start of work.

V. Recycling and Disposal of Refuse: Refuse, excess or waste materials resulting from construction operations shall become the property of the Contractor and shall be recycled and/or disposed of as specified in the Scope of Work. All disposals shall be done in accordance with federal, state, and local laws and regulations.

VI. Safety: During the execution of this contract, the Contractor shall conform to the rules and regulations as set forth by OSHA Safety and Health Standards, 29 CFR Part 1926 - Safety and Health Regulations for Construction.

VII. Contractor Identification: Contractor and subcontractor personnel shall, at all times, wear company identification.

VIII. Permits, Licenses, and Insurance: The Contractor shall obtain all appointments, licenses, permits, and insurance required for performance of work and for complying with all applicable Federal, State, and local laws and regulations. Evidence of such permits and licenses shall be provided to the Town and Village Engineer upon request.

SCOPE OF WORK:

RELEVANT SOURCES

International Building Code (IBC), 2015 and NYS Supplement
ACI 318-11; Building Code Requirements for Structural Concrete
NYS Department of Transportation – Standard Specifications
ADA Standards for Accessible Design

REQUIRED SUBMITTALS

- *Subbase Aggregate Gradation – Mix*
- *Concrete Mix Design – Sidewalk*
- *Exposed Aggregate Sample Photo*
- *Geoblock Pavement System Specs*
- *Admixture/WWF Product Data*
- *Sealant Product Data*
- *Concrete Mix Design – Apron*

Provide all material, labor, equipment, and supervision to complete the following scope of work:

Construct a new “Streetscape” on the southwest side of Monroe St. between “The City Garage” and the Rt. 219/242 intersection. The new streetscape shall include the construction of a new sidewalk, bench platforms, and exposed aggregate apron as specified below. Any questions regarding the location of the specified scope of work shall be brought to the attention of the Ellicottville Engineering Department.

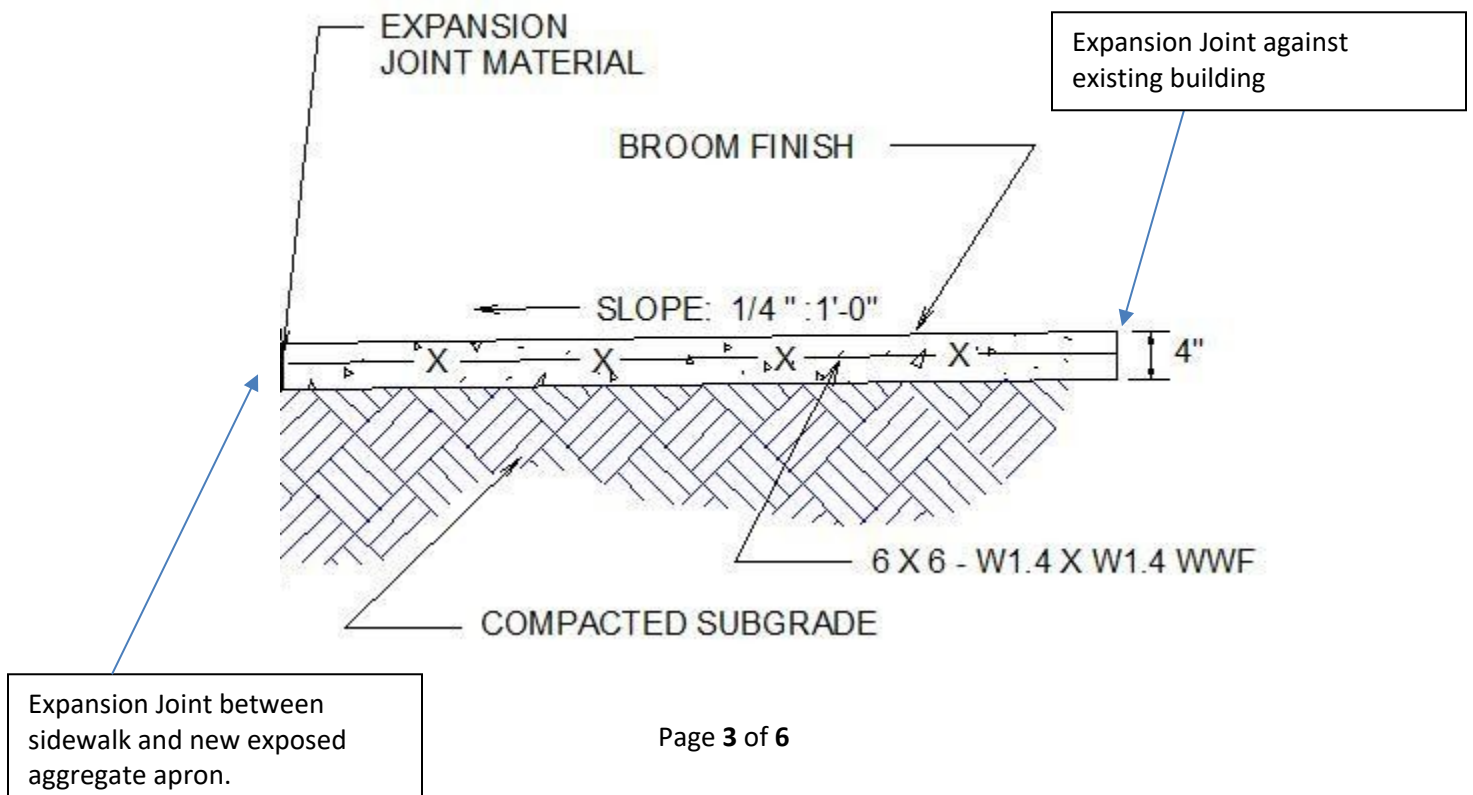
CONCRETE SUBBASE:

- A minimum 6” compacted subbase course shall be used beneath the new sidewalk
 - o Compaction of the subbase layer and existing subgrade shall be to a minimum of 95%
 - o Open Graded, Granular Subbase consisting of NYSDOT/ASTM C33 approved aggregate w/ the following gradation:

Sieve Size Designation	Percent Passing By Weight
1 1/2”	100
1/2”	25-60
1/4”	10-35
No. 200	2-7

CONCRETE SIDEWALK

- A new, 4"-6" thick, 5' wide concrete sidewalk shall be constructed with the following specifications. The sidewalk shall extend out from the existing buildings towards the street:
 - ASTM size #57 Aggregate Gradation
 - ASTM C150 type I/II Portland Cement
 - ASTM A185 W1.4xW1.4 6x6 WWF reinforcement @ 2" depth/cover
 - Admixtures shall conform to ASTM Standards and be pre-approved by the Town and Village Engineer
 - Minimum compressive strength of 4,000 psi
 - Water/Cement Ratio of 0.45
 - Air Content of 5% +/- 1%
 - Cross Slope of 1/4" per foot
 - Maximum running slope of 5%
 - Tooled Edges – Broom Finish
 - Control Joints cut to 1/4" depth, spaced at 5' increments
 - Two Component, self-leveling, polyurethane elastomeric
 - Allowing for cold weather movement
 - Expansion Joints between new and existing surfaces
 - Fiber based w/ sealant typ. of control joint sealant
- The new sidewalk shall be 4" thick throughout the main runs and 6" thick where it crosses an area subject to vehicular traffic. The sidewalk shall be sealed with a water based, industrial grade moisture/salt protectant following construction. The primary sidewalk detail is shown below:



EXPOSED AGGREGATE APRON

- A new, exposed aggregate concrete apron shall be constructed along the southwest side of Monroe St. that spans the width, and matches the grade, between the newly constructed concrete sidewalk and the existing curb structure.
- The new, concrete, exposed aggregate apron shall conform to the following specifications and application procedures:
 - o Same concrete mix design, reinforcement, and joint details as specified above
 - o ASTM specified retarding agent and sealer – retarding agent applied IAW the manufacturer’s recommendations.
 - o Course aggregate shall conform to NY standard specifications for crushed stone necessary to achieve the following look:



- o The exposed aggregate shall be constructed by a method employing a retarding agent and the finished surface shall be completely seeded with aggregate so that the aggregate has a 3/16" depth of exposure. One sample segment of exposed aggregate measuring 5'x5' shall be constructed in a portion of the flatwork area to determine the suitability of appearance prior to full construction.
- o (5), 4'x4' square areas shall be delineated in the field prior to construction for the planting of future trees by the Ellicottville Engineering department. The areas shall appear similar to the following:



- The (2) existing concrete bench platform slabs shall be re-constructed in-kind and placed at a location IAW the following picture/drawing enclosure, and their final construction location shall be verified and confirmed in the field.

GEOBLOCK POROUS PAVEMENT SYSTEM

- The area specified in Enclosure (2) shall be constructed with a porous pavement system that meets or exceeds the specifications of the GEOBLOCK 5150 system. The area shall be excavated to allow for a 4" engineered aggregate base, the geoblock cell units, topsoil infill and grass seed IAW the manufacturer's recommendations.
- The completion date for this project is 30JUNE2018**
- Failure to complete the specified work within the performance period without a pre-approved exemption shall result in a penalty of 1% of the contract bid on a per day basis from the agreed-upon date of completion**

Contract Sequence

1. Bids Due NLT 4:00PM on Friday, May 11th, 2018 – Emailed to the EVL ENG POC
2. Notice of Award Letter Issued
3. Submittals Reviewed
4. Notice to Proceed Letter Issued
5. Construction Period Begins

Enclosures

1. Overview Map
2. Individual Pictures of Site / Design Drawing

Bid Summary

Respectfully submitted:

Name of the Contractor

Street Address

Signature

City, State, and Zip

Title

Date

License number (if applicable)

SEAL - (if BID is by a Corporation)

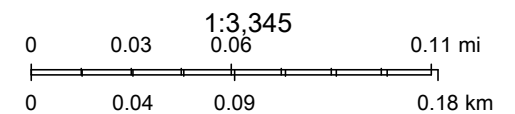
Total Bid Cost: _____
(Written)

Total Bid Cost: \$ _____
(Numbers)

Monroe St. - Ellicottville, NY



April 23, 2018



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

ENCLOSURE #1

