

TOWN OF GLASTONBURY

INVITATION TO BID

| <u>BID #</u> | <u>ITEM</u> | <u>DATE & TIME REQUIRED</u> |
|--------------|-------------------------|---------------------------------|
| GL-2017-32 | Annual Sidewalk Program | April 06, 2017 @ 11:00 A.M. |

The Town of Glastonbury will receive Sealed Bids, in duplicate, for the repair and replacement of concrete sidewalks at various locations throughout the town. Bids will be received only at the Office of the Purchasing Agent, Town Hall (second level), 2155 Main Street, Glastonbury, CT 06033, Attention: Mary F. Visone, Purchasing Agent no later than the time and date indicated. All bids will be publicly opened and read aloud. No late bids will be accepted.

The Town reserves the right to waive informalities or reject any part of, or the entire bid, when said action is deemed to be in the best interests of the Town.

Bid Forms may be obtained from the Town's website at www.glastonbury-ct.gov or at the Office of the Purchasing Agent, Town Hall, 2155 Main Street, Glastonbury, Connecticut 06033, (second level).

The Town of Glastonbury is an Affirmative Action/Equal Opportunity Employer. Minority / Women / Disadvantaged Business Enterprises are encouraged to bid.

Mary F. Visone
Purchasing Agent

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**ANNUAL SIDEWALK PROGRAM
INFORMATION FOR BIDDERS**

BID #GL-2017-32

1. Sealed bids (**one original and one copy**) on the attached Bid Forms will be received at the Office of the Purchasing Agent, Town Hall, 2155 Main Street, Glastonbury, Connecticut 06033 (second level). At the designated time of opening, they will be publicly opened, read, recorded and placed on file.
2. Whenever it is deemed to be in the best interest of the Town, the Town Manager, Purchasing Agent or designated representative shall waive informalities in any and all bids. The right is reserved to reject any bid, or any part of any bid, when such action is deemed to be in the best interest of the Town of Glastonbury.
3. The award will be made as indicated in Section 02.00 of the Special Conditions.
4. Bids will be carefully evaluated as to conformance with stated specifications.
5. The envelope enclosing your bid should be clearly marked by bid number, time of bid opening, and date.
6. Specifications must be submitted complete in every detail and, when requested, samples shall be provided. If a bid involves any exception from stated specifications, they must be clearly noted as exceptions, underlined, and attached to the bid.
7. The Bid Documents contain the provisions required for the requested item. Information obtained from an officer, agent, or employee of the Town or any other person shall not affect the risks or obligations assumed by the Bidder or relieve him/her from fulfilling any of the conditions of the bid.
8. Each Bidder is held responsible for the examination and/or to have acquainted themselves with any conditions at the job site which would affect their work before submitting a bid. Failure to meet this criteria shall not relieve the Bidder of the responsibility of completing the bid without extra cost to the Town of Glastonbury.
9. Any bid may be withdrawn prior to the above-scheduled time for the opening of bids or authorized postponement thereof. Any bid received after the time and date specified shall not be considered. No Bidder may withdraw a bid within sixty (60) days after the actual date of the opening thereof. Should there be reasons why a bid cannot be awarded within the specified period, the time may be extended by mutual agreement between the Town and the Bidder.
10. A Five Thousand Dollar (\$5,000.00) Right-of-Way Bond is required of the successful Bidder. For each year of the contract the successful Bidder is required to renew bond annually upon contract extension.
11. The Bidder agrees and warrants that in the submission of this sealed Bid, they will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, religion, national origin, sex, or physical disability including, but not limited to blindness, unless it is shown by such Bidder that such disability prevents performance of that which must be done to successfully fulfill the terms of this sealed Bid or in any manner which is prohibited by the laws of the United States or the State of Connecticut: and further agrees to provide the Human Relations Commission with such information requested by the Commission concerning the employment practices and procedures of the Bidder. An Affirmative Action Statement will be required by the successful Bidder.
12. Bidder agrees to comply with all of the latest Federal and State Safety Standards and Regulations and certifies that all work required in this bid will conform to and comply with

said standards and regulations. Bidder further agrees to indemnify and hold harmless the Town for all damages assessed against the Town as a result of Bidder's failure to comply with said standards and/or regulations.

13. All correspondence regarding any purchase made by the Town of Glastonbury shall reference the Town's purchase order number. Each shipping container shall clearly indicate both Town purchase order number and item number.
14. Bidder is required to review the Town of Glastonbury Code of Ethics adopted July 8, 2003 and effective August 1, 2003 and revised October 29, 2013 and effective November 28, 2013. Bidder shall acknowledge that they have reviewed the document in the area provided on the bid/proposal response page (BP). The selected Bidder will also be required to complete and sign an Acknowledgement Form prior to award. The Code of Ethics and the Consultant Acknowledgement Form can be accessed at the Town of Glastonbury website at www.glastonbury-ct.gov. Upon entering the website click on the **Bids & Proposals icon** which will bring you to the links for the **Code of Ethics** and the **Consultant Acknowledgement Form**. If the Bidder does not have access to the internet, a copy of these documents can be obtained through the Purchasing Department at the address listed within this bid/proposal.
15. **Non-Resident Contractors:**

Upon award the Town is required to report names of nonresident (out of state) Contractors to the State of Connecticut, Department of Revenue Services (DRS) to ensure that Employment Taxes and other applicable taxes are being paid by Contractors.

A single surety bond for 5% of the entire contract price is required to be filed with DRS by any unverified nonresident prime or general contractor (if awarded) where the contract price for the project is \$250,000 or more. The contractor will be required to promptly furnish to the Town a copy of the **Form AU-968 - Certificate of Compliance** issued by the State of Connecticut, DRS. See State of Connecticut **Notice SN 2012 (2)**.
16. Bidder shall include on a sheet(s) attached to its proposal a complete disclosure of all past and pending mediation, arbitration and litigation cases that the bidder or its principals (regardless of their place of employment) have been involved in for the most recent five years. Please include a statement of the issues in dispute and their resolution. Acceptability of Bidder based upon this disclosure shall lie solely with the Town.
17. Bidder or its principals, regardless of their place of employment, shall not have been convicted of, nor entered any plea of guilty, or nolo contendere, or otherwise have been found civilly liable or criminally responsible for any criminal offense or civil action. Bidder shall not be in violation of any State or local ethics standards or other offenses arising out of the submission of bids or proposals, or performance of work on public works projects or contracts.
18. It is the responsibility of the bidder to check the Town's website before submitting bid for addendums posted prior to bid opening.
19. Each bid shall also include a description of three (3) projects completed by the bidder with references to demonstrate successful experience with similar projects.

IMPORTANT: Failure to comply with general rules may result in disqualification of the Bidder.

NOTE: Any technical questions regarding this bid shall be made in writing (email acceptable) and directed to Stephen Braun, Assistant Town Engineer, 2155 Main Street, PO Box 6523, Glastonbury, CT 06033; stephen.braun@glastonbury-ct.gov. Telephone (860) 652-7743 between the hours of 8:00 a.m. – 4:30 p.m. For administrative questions concerning this bid/proposal, please contact Mary F. Visone, Purchasing Agent, at (860) 652-7588 or email the Purchasing Department at purchasing@glastonbury-ct.gov. All questions, answers, and/or addenda, as applicable, will be posted on the Town's website at www.glastonbury-ct.gov (Upon entering the website scroll down to click on Bids & Proposals Icon; click the Bid Title to view all bid details and document links.). The request must be received at least five (5) business days prior to the advertised response deadline. **It is the respondent's responsibility to check the website for addenda prior to submission of any bid/proposal.**

01.00 WORKMANSHIP, MATERIALS AND EMPLOYEES

01.01 Wherever in this contract the word "Engineer" is used, it shall be understood as referring to the Town Engineer/Manager of Physical Services of the Town of Glastonbury acting personally or through any assistants duly authorized.

01.02 The entire work described herein shall be completed in accordance with the plans and specifications to the full intent and meaning of the same. Unless otherwise specified, all materials incorporated in the permanent work shall be new, and both workmanship and material shall be of good quality. The Contractor shall, if required, furnish satisfactory evidence as to the kind and quality of materials.

01.03 The wording "furnish", "install", "construct", "furnish and install", or any similar terms, unless specifically noted to the contrary, shall include all labor, materials, water, tools, equipment, light, power, transportation, and any other services required for the completion of the work.

01.04 The Contractor shall at all times enforce strict discipline and good order among his employees, and shall seek to avoid employing on the work any unfit person or anyone not skilled in the work assigned to him.

02.00 SUPERINTENDENT

02.01 If so deemed advisable by the Engineer, the Contractor shall keep on the work during its progress, a competent Superintendent. The Superintendent shall be acceptable to the Engineer and shall represent the absent Contractor. All directions given to the Superintendent shall be binding as if given to the Contractor.

03.00 PRECONSTRUCTION MEETING

03.01 A Preconstruction Meeting will be held with the Engineer, Contractor, and any private utility company prior to commencing any work. It will be the obligation of the Contractor to arrange such a meeting.

04.00 INSURANCE

04.01 The Bidder shall, at its own expense and cost, obtain and keep in force during the entire duration of the Project or Work the following insurance coverage covering the Bidder and all of its agents, employees and sub-contractors and other providers of services and shall name the **Town of Glastonbury and its employees and agents as an Additional Insured** on a primary and non-contributory basis to the Bidders Commercial General Liability and Automobile Liability policies. **These requirements shall be clearly stated in the remarks section on the Bidders Certificate of Insurance.** Insurance shall be written with insurance carriers approved in the State of Connecticut and with a minimum Best's Rating of A-VIII. In addition, all carriers are subject to approval by the Town. Minimum Limits and requirements are stated below:

- a. Worker's Compensation Insurance:
- Statutory Coverage
 - Employer's Liability
 - \$500,000 each accident/\$500,000 disease-policy limit/\$500,000 disease each employee
 - A Waiver of Subrogation shall be provided in favor of the Town of Glastonbury and its employees and agents.
- b. Commercial General Liability:
- Including Premises and Operations, Products and Completed Operations, Personal and Advertising Injury, Contractual Liability and Independent Contractors
 - Limits of Liability for Bodily Injury and Property Damage
Each Occurrence: \$1,000,000
Aggregate: \$2,000,000
(The Aggregate Limit shall apply separately to each job.)
 - A Waiver of Subrogation shall be provided in favor of the Town of Glastonbury and its employees and agents.
- c. Automobile Insurance:
- Including all owned, hired, borrowed, and non-owned vehicle
 - Limit of Liability for Bodily Injury and Property Damage
Per Accident: \$1,000,000
 - A Waiver of Subrogation shall be provided in favor of the Town of Glastonbury and its employees and agents.
- d. Umbrella of Excess Liability:
- State in the Remarks Section that coverage is follow form.
 - Limit of Liability Each Occurrence \$1,000,000
Aggregate \$1,000,000

04.02 The Bidder shall direct its Insurer to provide a Certificate of Insurance to the Town before any work is performed. The Contractor shall be responsible to notify the Town **60 days** in advance with written notice of cancellation or non-renewal. The Certificate shall evidence all required coverage. The Bidder shall provide the Town copies of any such insurance policies upon request.

04.03 INDEMNIFICATION: To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the Town and its consultants, agents, and employees from and against all claims, damages, losses and expenses, direct, indirect or consequential (including but not limited to fees and charges of engineers, attorneys and other professionals and court and arbitration costs) to the extent arising out of or resulting from the performance of the Contractor's work, provided that such claim, damage, loss or expense is caused in whole or in part by any negligent act or omission by the Contractor, or breach of its obligations herein or by any person or organization directly or indirectly employed or engaged by the Contractor to perform or furnish either of the services, or anyone for whose acts the Contractor may be liable.

05.00 PERMITS

05.01 All permits, licenses, and fees required for the performance of the Contract work, except for local requirements, shall be secured and paid for by the Contractor. Local fees shall be waived. Property and easements for permanent changes and temporary construction easements in existing facilities shall be secured and paid for by the Town.

05.02 The Contractor shall make arrangements with the adjacent property owners for such trespass as he may reasonably anticipate in the performance of the work. All such arrangements shall be reported in writing to the Engineer.

06.00 PROPERTY ACCESS

06.01 The Contractor shall take all proper precautions to protect from injury or unnecessary interference, and provide proper means of access to abutting property where the existing access is cut off by the Contractor.

06.02 The Contractor shall take all proper precautions to protect persons from injury or unnecessary inconvenience and leave an unobstructed way along the public and private places for travelers, vehicles, and access to hydrants.

07.00 PROTECTION OF THE PUBLIC AND OF WORK AND PROPERTY

07.01 The Contractor shall continuously maintain adequate protection of all work from damage, and shall take all reasonable precautions to protect the Town from injury or loss arising in connection with the Contract.

07.02 The Contractor shall make good any damage, injury, or loss of his work and to the property of the Town resulting from lack of reasonable protective precautions, except such as may be due to errors in the Contract Documents, or caused by agents or employees of the Town.

07.03 The Contractor shall adequately protect adjacent private and public property as provided by law and the Contract Documents.

08.00 TRAFFIC AND SAFETY

08.01 The Contractor shall provide, in accordance with the "Manual on Uniform Traffic Control Devices" (MUTCD) as published by the Federal Highway Administration, such barricades, signs, warnings, and flagmen, and shall conduct his work in such a manner so that hazards to vehicular and pedestrian traffic are at a minimum. If, in the opinion of the Engineer, additional precautions or measures should be taken in the interest of public safety, the Contractor shall so comply.

08.02 If the Contractor finds it necessary to close a portion of the road to vehicular traffic, the approval of the Engineer and the Glastonbury Police Chief shall be obtained. The Contractor shall notify the Fire Department and any other concerned agencies of such road closings. Access shall be provided at all times to fire hydrants and precautions shall be taken to prevent freezing of any exposed or partially uncovered water lines.

09.00 EXISTING IMPROVEMENTS

09.01 The Contractor shall conduct his work so as to minimize damage to existing improvements. Except where specifically stated otherwise in the specifications or drawings, it will be the responsibility of the Contractor to restore to their original condition, as nearly as practical, all improvements on public property. Any such damage resulting from the operation of the vendor or his agent in completing the work required shall be the responsibility of the vendor. Restoration shall be made to the full satisfaction of, and without cost to, the Town of Glastonbury.

09.02 The Contractor shall give ample notice to the various utilities so that existing lines can be marked in the field and adjustments made. The Contractor shall cooperate fully with the various utilities and shall plan his work so that the least interference is caused for all parties concerned. No additional payments shall be made to the Contractor for delays caused by utility interference due to negligence on the part of the Contractor. The Contractor shall support all utility lines uncovered due to excavation. The Town shall be held harmless for fines levied or costs incurred due to interruptions in service caused by the Contractor during the course of work.

10.00 SEPARATE CONTRACTS

10.01 The Engineer reserves the right to let other contracts in connection with this work. The Contractor shall afford other contractors reasonable opportunity for the introduction and storage of their materials and the execution of their work, and shall properly connect and coordinate his work with theirs.

10.02 Wherever work being done by the Town of Glastonbury's forces or by other contractors is contiguous to work covered by this Contract, the respective rights of the various interests involved shall be established by the Engineer to secure the completion of the various portions of the work in general harmony.

11.00 INSPECTION OF WORK

11.01 The Town shall provide sufficient personnel for the inspection of the work.

11.02 The Engineer shall at all times have access to the work whenever it is in preparation or progress, and the Contractor shall provide proper facilities for such access and for inspection.

11.03 If the specifications, the Engineer's instructions, laws, ordinances, or any public authority require any work to be specially tested or approved, the Contractor shall give the Engineer timely notice of its readiness for inspection and, if the inspection is by another authority other than the Engineer, of the date fixed for such inspection. Inspections by the Engineer shall be made promptly, and where practicable, at the source of supply. If any work should be covered up without approval or consent of the Engineer, it must, if required by the Engineer, be uncovered for examination and properly restored at the Contractor's expense.

11.04 Reinspection of any work may be ordered by the Engineer, and if so ordered, the work must be uncovered by the Contractor. If such work is found to be in accordance with the Contract Documents, the Town shall pay the cost of

reinspection and replacement. If such work is not in accordance with the Contract Documents, the Contractor shall pay such cost.

12.00 RIGHT TO INCREASE OR DECREASE WORK

12.01 The Town shall have the right to increase or decrease the amount of work herein specified as may be required.

13.00 RIGHT OF ENGINEER TO STOP WORK FOR WEATHER CONDITIONS

13.01 Should the work be carried on early or late in the year and, in the opinion of the Engineer is in danger by reason of inclemency of weather, or could not be finished in time to prevent such danger, the Contractor shall cease operations upon order of the Engineer, and shall not resume them until ordered to do so by the Engineer when the weather conditions are favorable. The time of suspension should not be considered in the winter months.

13.02 The Contractor shall, upon such orders, discontinue work, remove all materials or appliances for or in use upon the work, and place the streets in proper condition for use by the public during the time the work is suspended as herein provided, without cost to the Town.

14.00 STAKES AND MARKS

14.01 The Engineer shall set reference stakes or bench marks for the construction of the work. Such reference stakes or bench marks shall be preserved by the Contractor until permission has been given by the Engineer to remove them.

14.02 The Contractor shall carefully preserve bench marks, reference marks, and stakes, and in case of willful or careless destruction, he shall be charged with the resulting expense in replacement and shall be responsible for any mistakes that may be caused by their unnecessary loss or disturbance.

15.00 CONTRACTOR TO BE RESPONSIBLE FOR IMPERFECT WORK OR MATERIALS

15.01 Any faithful work or imperfect material which may be discovered before the acceptance and the payment of the work shall be corrected upon the order of the Engineer. The inspection of the work does not in any manner relieve the Contractor of his obligation to construct work in the proper manner and the use of materials herein specified.

16.00 TOWN MAY NOTIFY CONTRACTOR IF WORK IS NOT CARRIED ON SATISFACTORILY

16.01 If, in the opinion of the Engineer, the Contractor is not proceeding with the work at a sufficient rate of progress so as to finish in the time specified, or has abandoned said work, or is not complying with the terms and stipulations or the Contract and specifications, the Engineer may serve notice on the Contractor to adopt such methods as will ensure the completion of the work in the time

specified, or in compliance with the terms and stipulation of the Contract and specifications.

16.02 If, within five (5) days after the Engineer has notified the Contractor that his work is not being carried on satisfactorily as before mentioned, the Engineer shall have the right to annul the Contract and manage the work under the direction of the Engineer, or re-let, for the very best interest of the Town as a new contract, the work under said new Contract shall be considered the responsibility of the defaulting Contractor.

16.03 Additional costs incurred over and above the original Contract shall be borne by the performance bond.

17.00 DEDUCTIONS FOR UNCORRECTED WORK

17.01 If the Engineer deems it inexpedient to correct work that has been damaged or that was not done in accordance with the Contract, an equitable deduction from the Contract price shall be made therefor.

17.02 The Contractor shall promptly remove from the premises all materials condemned by the Engineer as failing to meet Contract requirements, whether incorporated in the work or not, and the Contractor shall promptly replace and re-execute his own work in accordance with the Contract and without expense to the Town, and shall bear the expense of making good all work by other contractors destroyed or damaged by such removal or replacement.

17.03 If the Contractor does not remove such condemned work and materials as promptly as possible after written notice, the Engineer may remove them and store the materials at the expense of the Contractor.

18.00 CLEANING UP

18.01 The Contractor must remove all debris of every description as the work progresses and leave the surroundings in a neat and orderly condition to the satisfaction of the Engineer.

18.02 Upon completion, and before acceptance and final payment, the Contractor shall remove from the site all equipment, forms, surplus material, rubbish and miscellaneous debris and leave the site in a neat and presentable condition.

19.00 ROYALTIES AND PATENTS

19.01 The Contractor shall pay all royalties and license fees. He shall defend all suits or claims for infringement of any patent rights and shall save the Town of Glastonbury harmless from loss on account thereof, except that the Town of Glastonbury shall be responsible for all such loss when a particular manufacturer, product, or process is specified by the Town of Glastonbury.

01.00 NOTICE TO CONTRACTOR

01.01 The Contractor is hereby alerted to the fact that the State of Connecticut Department of Transportation Standard Specifications for Roads, Bridges and Incidental Construction, Form 817 (Form 817) and supplements thereto are to be considered part of the Contract Documents. The Form 817 shall not be provided by the Town and any cost associated therewith shall be the responsibility of the Contractor. In case of any discrepancy between the Contract Drawings or Specifications and the Form 817, the matter shall immediately be submitted to the Engineer. The Engineer shall have sole authority in resolving any discrepancies.

01.02 Sections of sidewalk to be repaired are generally grouped together by the Town whenever possible to allow for a full load of concrete to be utilized. However there will be situations where a small section of concrete walk needs to be replaced in an area of Town where no other sidewalk work is required. Except as described in Section 201.10 under the item "**Additional Cost for New or Replacement Concrete Sidewalk Less than 160 SF**", additional costs related to short load fees shall be the responsibility of the Contractor at no additional expense to the Town.

01.03 The Town performs sidewalk repair and replacement work in sections as the work becomes necessary throughout the duration of the Contract period. Contractors who bid this work shall expect to mobilize to the Town on multiple occasions throughout the Contract period.

01.04 The Contractor shall mobilize to the designated sidewalk construction site within fourteen (14) calendar days of notice being given by the Town. Failure to meet this requirement will be considered just cause for termination of the Contract.

02.00 BASIS OF AWARD

02.01 It is the intention of the Town to award one contract to the lowest qualified responsible and responsive bidder for pay items 1 through 14. However, the Town reserves the right to award, accept or reject by individual item(s) when deemed to be in the best interest of the Town. The Town also reserves the right to award this bid to multiple vendors based on the types of repairs to be completed or anticipated to be completed during the time period specified. The awards for this bid will be based on anticipated work and available funding.

03.00 CONTRACT DURATION AND ESTIMATED VALUE

03.01 This Contract shall be effective through December 31, 2017. The Town reserves the right to extend this Contract, or portions of this Contract, for up to two additional years upon mutual written agreement between the Town and Vendor.

03.02 The estimated total value of sidewalk repair or replacement is \$35,000 annually.

04.00 MAINTENANCE / GUARANTEE PERIOD

04.01 The Contractor shall be held responsible to the Town for maintenance for a minimum of one-year following completion of all work under this Contract with respect to defects, settlements, etc.

05.00 DISPOSAL AREA

05.01 The Tryon Street Bulky Waste Facility will be available to the Contractor, at no charge, for disposal of materials that are accepted at that facility. Waste disposal guidelines for the Bulky Waste facility are published on the Town web site at the address shown below. Each bidder shall have reviewed and understand these guidelines prior to submitting a bid for the project.

<http://www.glastonbury-ct.gov/home/showdocument?id=17749>

Acceptable materials generally include such materials as brush, stumps, demolition materials, and excess excavated earth materials. Unacceptable materials generally include such items as carpet, appliances, upholstered furniture; hazardous wastes such as pesticides, oil based paints and thinners; or other wastes as designated by the State Department of Environmental Protection. Demolition material cannot contain asbestos or other hazardous materials.

The Contractor shall obtain a disposal area for all other unsuitable or surplus materials at no cost to the Town.

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DETAILED CONSTRUCTION SPECIFICATIONS**

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ITEM # 0219001A SEDIMENTATION CONTROL SYSTEM

This item shall conform to Section 2.19 SEDIMENTATION CONTROL SYSTEM of the Form 817, with the following section replaced:

Basis of Payment (Section 2.19.05): Payment for this work will be made at the contract unit price per linear foot for "Sedimentation Control System" as listed in the Bid Proposal, complete in place, which price shall include all materials, equipment, tools and labor incidental to the installation, maintenance, replacement, removal and disposal of the system and surplus material. No payment shall be made for the clean out of accumulated sediment.

ITEM # 0219011A SEDIMENT CONTROL SACK

General: This work shall consist of furnishing, installing, maintaining, cleaning, and removing a sediment control sack for control of sediment entering catch basins within the project area as directed by the Engineer or as shown on the contract drawings.

Materials: Sediment control sacks shall be the "Siltsack" product as manufactured by ACF Environmental or approved equal. Curb inlet (Type 'C') catch basins shall use a "Type B – High Flow" siltsack (with gutter deflector) without the optional overflow. Flat top (Type C-L) catch basin shall use a "Type A – High Flow" siltsack without the optional overflow.

Sediment control sack shall be manufactured from a specially designed woven polypropylene geotextile and sewn using high strength nylon thread. The sediment control sack shall be manufactured to fit the opening of the catch basin or drop inlet to be protected. Sediment control sack shall have the following features: two dump straps attached at the bottom to facilitate emptying; lifting loops shall be included as an integral part of the system to be used to lift the sedimentation control sack from the basin; sediment control sack shall have a restraint cord approximately halfway up the sack to keep the sides away from the catch basin walls, this yellow cord is also a visual means of indicating when the sack should be emptied. Once the strap is covered with sediment, sediment control sack should be emptied, cleaned and placed back into the basin.

Construction Sequence: To install the sediment control sack in the catch basin, remove the grate and place the sack in the opening. Hold out approximately six inches of the sack outside the frame. This is the area of the lifting straps. Replace the grate to hold the sack in place.

When the restraint cord is no longer visible, the sediment control sack is full and should be emptied.

To remove the sediment control sack, take two pieces of 1" diameter rebar and place through the lifting loops on each side of the sack.

The sediment control sack shall be cleaned of all accumulated sediment **on a regular basis** as required to maintain proper function and avoid overloading the sack such that it fails at the time of final removal. Such material shall be properly disposed of by the Contractor.

To empty the sediment control sack, place it where the contents will be collected. Place the rebar through the lift straps (connected to the bottom of the sack) and lift. This will turn the sedimentation control sack inside out and empty the contents. Clean out and rinse. Return the sedimentation control sack to its original shape and place back in the basin.

Basis of Payment: Sediment control sacks shall be paid for at the contract unit price for "Sediment Control Sack" as listed in the Bid Proposal for each unit provided and installed. Regular maintenance of the sediment control sacks including cleaning of all accumulated sediment as required to maintain function, and removal after completion of construction as described herein shall also to be included in this bid price.

ITEM # 0915001A

TREE PROTECTION TRENCH

Description: This work includes excavation of a tree protection trench adjacent to an existing or proposed sidewalk by means of a chain-driven trenching machine (Ditch Witch or similar) with additional pruning of roots using hand methods as required. This is performed adjacent to the proposed sidewalk excavation and within the drip line of an existing tree to cleanly sever roots prior to sidewalk or other trench excavation.

The services of a licensed arborist will be required to supervise the above referenced work and shall be included in the contract unit price for tree protection trench.

Construction Methods: Tree protection trench shall be installed in advance of the intended construction during time periods where damage to trees will be minimized, as directed by the Engineer. The work area shall generally include the length of sidewalk within the drip line of the canopy of the tree of concern. Extreme care shall be taken by the Contractor to identify and protect underground utilities within the work area, and any conflicts shall be immediately brought to the attention of the Engineer.

Where tree protection trench is called for on the plans, the Contractor shall use a chain-driven trenching apparatus to cleanly sever tree roots adjacent to the sidewalk to the full depth of the sidewalk excavation as directed by the Engineer. Additional pruning of roots using hand methods may also be required, as directed by the Engineer or licensed arborist supervising the work.

The disturbed area shall be restored to existing grades and shall be seeded as per the special provision for "TURF ESTABLISHMENT" included elsewhere in these specifications.

Payment: Tree protection trench shall be measured for payment by the number of linear feet of tree protection trench installed and accepted. This work shall be paid for at the Contract unit price for "Tree Protection Trench" as listed in the Bid Proposal, which price shall include all materials, equipment, tools, labor, and work incidental thereto.

The services of a certified arborist to supervise work under this item shall not be measured separately for payment, but rather shall be included in the contract unit price for "Tree Protection Trench".

Restoration of disturbed areas shall be measured and paid for under the pay item for "TURF ESTABLISHMENT"

ITEM # 0921001A

CONCRETE SIDEWALKS

General: The Contractor is to construct sidewalks to lines and grades as shown on the drawings or at locations as directed by the Engineer. The sidewalks shall be of monolithic construction and five inches thick, except at industrial and commercial driveways where it shall be eight inches thick and reinforced with 6" x 6" 10/10 steel mesh. Sidewalk construction shall include the removal of existing and construction of new house lateral walks where new sidewalk grades make it necessary. The sidewalk shall pitch to the street at a slope of ¼-inch per foot or as directed by the Engineer.

Concrete sidewalk ramps are to be constructed to the lines and grades shown on the plans at locations directed by the Engineer, and shall be a minimum of five inches thick. This work shall also include furnishing and installing Detectable Warning Strips in the locations and to the dimensions and details shown on the plans or as ordered by the Engineer.

Materials:

Processed Stone Base Course: The material for this item shall be **crushed trap rock** conforming to the requirements of Article M.05.01 Processed Aggregate Base and Pavement of the Form 817, except that coarse aggregate shall be broken stone, and fine aggregate shall be stone sand, screenings, or a combination thereof. Gravel or reclaimed miscellaneous aggregate shall not be used.

Forms: The forms used shall be five-inch steel or 2" x 6" wood firmly supported and staked to the line and grade given by the Engineer. **2"x4" wood forms shall not be used and shall be cause for immediate rejection of sidewalk.** The forms shall be free from warp and shall be of sufficient strength to resist springing out of shape. All forms shall be cleaned and oiled before use.

Concrete: The concrete furnished shall conform with respect to composition, transportation, mixing and placing, to Class F Cement Concrete 4,400 PSI, as specified by the State of Connecticut Department of Transportation in its latest specification and revisions. An approved air-entraining admixture shall be used to entrain 5% to 7% air in the concrete.

Concrete Curing Compound / Sealer: **All concrete sidewalks shall be treated using Repel 100 by Kingdom Products curing compound / sealer or approved equal** meeting ASTM C309, Type 1, Class A and B.

Detectable Warning Strips: The Detectable Warning Strip shall be a replaceable tactile warning surface tile as manufactured by ADA Solutions, Inc of P.O. Box 3, North Billerica MA 01862 Tel: 800.372.0519 Fax: 978.262.9125 www.adatile.com or approved equal. Tile shall be brick red in color (Federal Color # 20109) and all attachment hardware shall be stainless steel. The tile shall conform to the dimensions shown on the plans or as directed by the Engineer.

Dowels: Smooth metal dowels, 5/8-inch in diameter, measuring 18 inches in length shall be installed using plastic sleeves within all expansion and contraction joints, concrete driveway aprons, at concrete sidewalk ramps, and at the last end section of each sidewalk slab poured at the end of each working day.

Plastic sleeves of the size required for accepting the 5/8-inch by 18-inch smooth metal dowels shall be "Speed Dowel" sleeves as manufactured by Greenstreak, 3400 Tree Court Industrial Blvd, St. Louis, MO 63122, telephone number (800) 551-5145 or approved equal. Plastic sleeves shall be installed according to manufacturer instructions and as directed by the Engineer.

Smooth metal dowels shall be 5/8-inch in diameter and 18 inches in length. All metal dowels shall conform to the requirements of ASTM A615 Grade 60.

Expansion Joints: At maximum intervals of 15 feet, an expansion joint shall be placed to the full depth of the concrete slab. The material for expansion joints shall be either ¼-inch thick cork asphalt or 3/8-inch thick asphalt impregnated bonded cellular fiber, or approved equal. Expansion joints of the same material shall also be placed at points abutting existing structures.

Construction Methods:

Limits of Disturbance: The Contractor is to exercise caution to prevent unnecessary damage to lawns, trees, bushes, or any other existing improvements. If, in the opinion of the Engineer, existing improvements are damaged due to the carelessness of the Contractor, the same shall be repaired or replaced at the Contractor's expense.

Earthwork: The Contractor shall remove and dispose of grass, rubbish, and other objectionable materials within the limits of the sidewalk construction. The Contractor shall perform all excavation necessary to construct sidewalks to the grades as shown on the construction plans. Excavation shall include the saw cutting, removal, and disposal of bituminous concrete and concrete sidewalks, driveways, and pavements, including curbing and tree roots, where necessary, due to the new sidewalk grade and as shown on the plans or as directed by the Engineer. Existing house lateral walks and driveways adjacent to the sidewalk shall be removed and base graded and prepared for a smooth connection. The Contractor shall remove and dispose of all excess material.

Suitable excavated material shall be re-used within the project limits as directed by the Engineer to form embankment for sidewalks where required. Embankment formation shall be completed as described in Article 2.02.03 of the Form 817, and shall meet the proposed subgrade elevations described on the plans or directed by the Engineer. Excess earth materials shall become the property of the Contractor and shall be disposed of at no additional cost to the Town.

Base Course Installation: The processed stone base course shall be spread upon the prepared subgrade to such depth as to give a compacted thickness of eight (8) inches. The material shall be uniformly spread in two layers of equal depth in the entire base course excavation and each layer shall be wetted and compacted to a firm even surface with a roller weighing not less than 500 pounds or by use of pneumatic tampers or vibratory compactors.

Installation of Dowel: Dowels are also to be installed between new and existing concrete slabs. Where new or repaired walks abut up against existing concrete sidewalks, the Contractor shall drill two holes measuring ¾-inches in diameter and 12 inches in depth into the existing concrete slab. The dowels, with plastic sleeve, shall be set into the existing sidewalk slab prior to the placement of concrete. The dowels are to be level with the latitude pitch of the sidewalk and shall conform to details of these specifications.

Concrete Work: The surface finish shall be struck off, forcing coarse aggregate below mortar surface. After strike-off, the surface shall be worked and floated with a wooded, aluminum, or magnesium float followed by steel troweling. The slab shall then be broomed cross-wise with a fine hair broom. The outside edges of the slab shall be edged with a ¼-inch radius tool. All edging lines shall be removed.

The Detectable Warning Strip shall be set directly in poured concrete according to the plans and the manufacturer's specifications or as directed by the Engineer. The Contractor shall place two 11.34 Kg concrete blocks or sandbags on each tile to prevent the tile from floating after installation in wet concrete.

Curing Compound / Sealer Application: The Contractor shall apply the approved curing compound / sealer using a 3/8" nap roller or low pressure sprayer at a rate of 200 to 300 square feet per gallon and according to manufacturer installation instructions or as directed by the Engineer. Concrete surface shall be clean and free of any surface contaminants when applying sealer. When applying sealer to fresh concrete the bleed water must be off the surface as this water can inhibit proper function of the sealer. Any areas where the sealer puddles shall be immediately spread to other areas where absorption can occur to avoid undesirable appearance of finished surface. Sealer shall not be applied if rain is forecast within 24 hours, or if ambient temperature at the time of application is below 50 degrees or above 80 degrees Fahrenheit, or as directed by the Engineer.

Newly constructed sidewalk surfaces shall be protected from all foot or vehicular traffic for a period of seven days. The Contractor shall have on the job, at all times, sufficient polyethylene film or waterproof paper to provide complete coverage in the event of rain.

Temperature: No concrete is to be placed when air temperature is below 40°F, or at 45°F and falling, unless prior approval is given by the Engineer. In the event weather conditions may be such that concrete that is not completely cured is subject to freezing, the Contractor shall provide a minimum of a six-inch layer of hay, straw, or thermal blankets for protection. Any concrete laid during cold weather that is damaged by freezing shall be the responsibility of the Contractor and shall be replaced at his expense.

Final Grading: Upon completion of sidewalk construction, the Contractor is to re-grade the areas between sidewalks and curbs, if the typical section indicates a grass plot, and disturbed areas back of the sidewalk. The Contractor shall backfill and compact these areas so as to conform to the typical cross-section. The upper four inches of the backfill shall be loam or topsoil, loose and friable and free of sticks, rocks, roots, weeds, or other unsuitable material.

Basis of Payment:

New concrete sidewalk of the thickness and reinforcement indicated shall be measured and paid for at the contract unit price per square foot for "**New 5-inch Concrete Sidewalk**" and "**New 8-inch Reinforced Concrete Sidewalk**" as contained in the Bid Proposal, which price shall include all excavation, processed stone base course, wire reinforcing, final grading, and all other materials and all labor, tools, and equipment necessary for completion of the work.

For the pay item "**New 5-inch Concrete Sidewalk on Existing Base Course**", the basis of payment per square foot shall include all of the concrete work under this item however the process stone base course underneath sidewalk shall be existing in-place material and shall not be installed by the Contractor.

New Concrete Sidewalk Ramps shall be measured and paid for as a unit at the contract unit price for each "**New Concrete Sidewalk Ramp**" as contained in the Bid Proposal, which price shall include the processed stone base course underneath sidewalks, excavation, grading, detectable warning tile, and all other materials and all labor, tools, and equipment necessary for completion of the work.

For the pay items "**Replacement 5-inch Concrete Sidewalk**", "**Replacement 8-inch Reinforced Concrete Sidewalk**", and "**Replacement Concrete Sidewalk Ramps**", the basis of payment per square foot shall include all the work described under this section as well as the sawcutting, removal, and disposal of existing concrete or bituminous sidewalks and ramps.

The pay item "**Additional Cost for New or Replacement Concrete Sidewalk Less than 160 SF**" shall apply to locations where both of the following apply: 1) less than 160 square feet of sidewalk work is required in a given work area where this work cannot reasonably be grouped with other sidewalk repair or replacement work and completed as a single pour, as determined by the Engineer; and 2) A short load fee is required to be paid by the Contractor and proof of

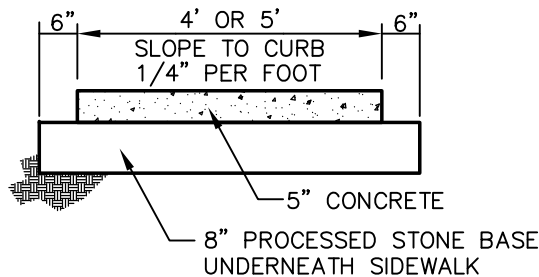
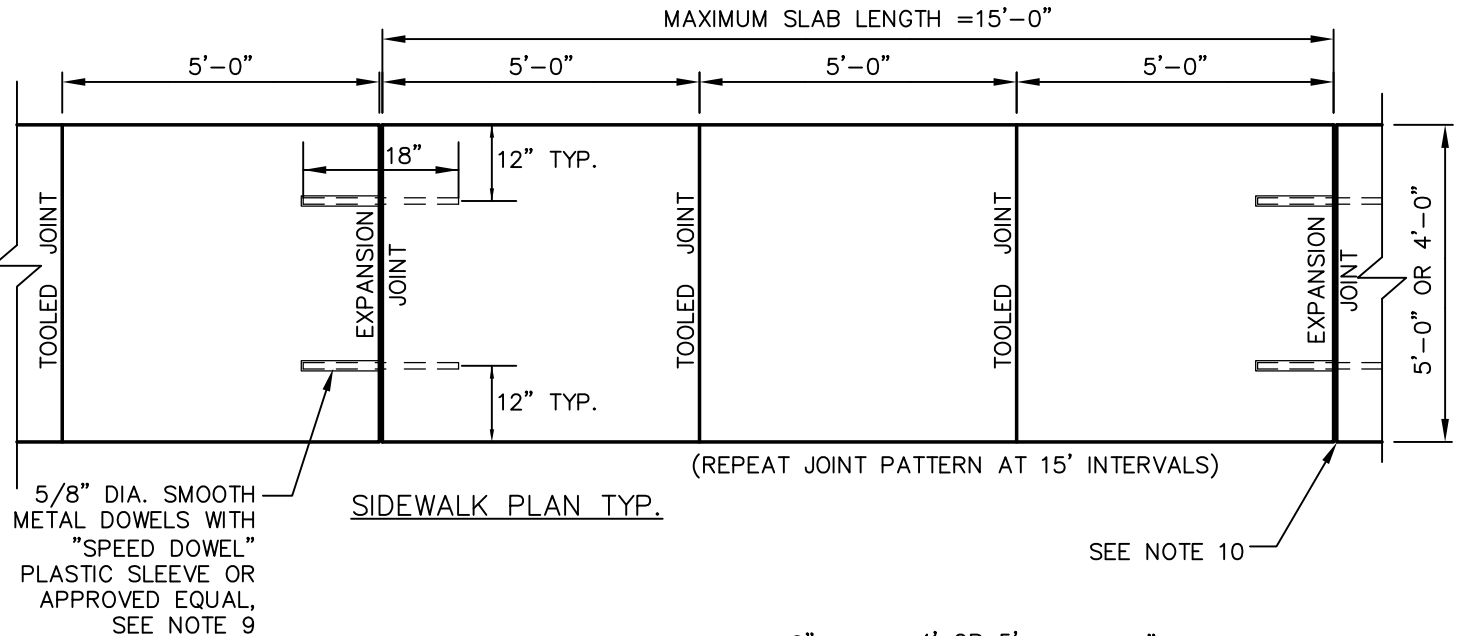
**ANNUAL SIDEWALK BID
DETAILED CONSTRUCTION SPECIFICATIONS**

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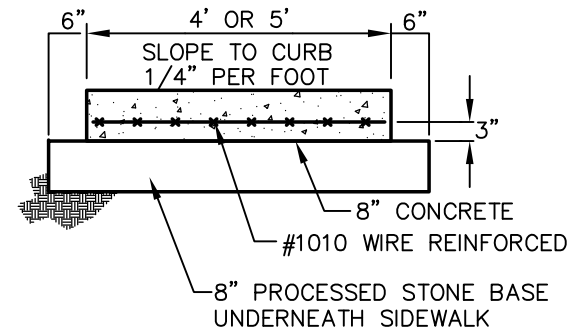
payment has been provided to the Engineer. This item shall be measured and paid for at the unit price per square foot as listed in the bid proposal for "Additional Cost for New or Replacement Concrete Sidewalk Less than 160 SF" complete and in place, and shall apply only to sidewalk construction within the work area indicated above, regardless of thickness, and shall be paid in addition to the other applicable new or replacement concrete sidewalk items noted above. If a new or replacement concrete sidewalk ramp meets the criteria for this item described above, then the area of the ramp shall be measured and the additional cost applied to the area of the sidewalk ramp.

NOTES:

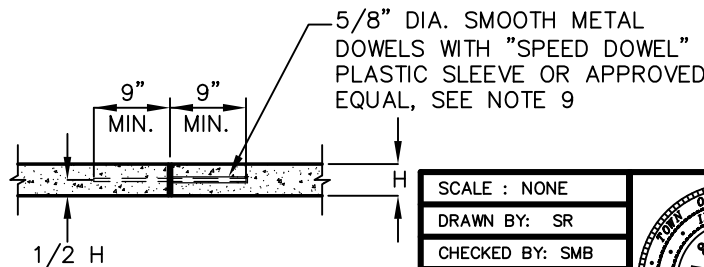
1. PROCESSED STONE BASE SHALL BE CRUSHED TRAP ROCK CONFORMING TO ARTICLE M.05.01 OF THE FORM 817 AND TOWN SPECIFICATIONS. GRAVEL OR RECLAIMED MISCELLANEOUS AGGREGATE SHALL NOT BE USED.
2. CONCRETE SHALL BE CONNDOT CLASS F, (4400 PSI, 28 DAY STRENGTH).
3. FORMS ARE TO BE SET TRUE TO LINE AND GRADE ON WELL COMPACTED BASE. FORMS SHALL BE 5" STEEL OR 2"x6" LUMBER. 2"x4" LUMBER SHALL NOT BE USED AND SHALL BE CAUSE FOR IMMEDIATE REJECTION OF SIDEWALK.
4. CONCRETE SHALL BE STRUCK OFF (SCREEDED) PRIOR TO BULL FLOATING. PROPER FINISHING PROCEDURES WILL BE FOLLOWED INCLUDING JOINTING, EDGING, AND BROOMING. A FINE BRISTLE BROOM SHOULD BE USED. ALL EDGING TOOL IMPRINTS SHOULD BE STEEL TROWELED PRIOR TO BROOMING.
5. "REPEL 100" CURING COMPOUND / SEALER SHALL BE APPLIED TO ALL CONCRETE SIDEWALK PER TOWN SPECIFICATIONS.
6. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT SURFACE FROM DAMAGE.
7. WALKS SHALL BE BACKFILLED AS SOON AS FORMS ARE REMOVED.
8. SIDEWALK SLABS SHOULD NOT EXCEED 5' IN WIDTH. IF SIDEWALK SLABS GREATER THAN 5' IN WIDTH ARE TO BE CONSTRUCTED, A LONGITUDINAL EXPANSION JOINT SHALL BE CONSTRUCTED TO FORM ACCEPTABLE SLABS.
9. INSERT 18" LONG SMOOTH METAL DOWELS AT ALL EXPANSION JOINTS, AT SIDEWALK RAMPS, AND AT THE LAST SLAB POURED AT THE END OF THE WORKING DAY. DOWELS SHALL ALSO BE INSTALLED BETWEEN NEW AND EXISTING CONCRETE SLABS.
10. EXPANSION JOINT SHALL BE 1/2" ASPHALT IMPREGNATED CELLULAR FIBER AND OF A DIMENSION EQUAL TO THE FULL SLAB DEPTH.



STANDARD SIDEWALK SECTION



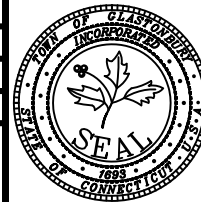
FOR INDUSTRIAL & COMMERCIAL AREAS ONLY DRIVEWAY SECTION



DOWEL DETAIL



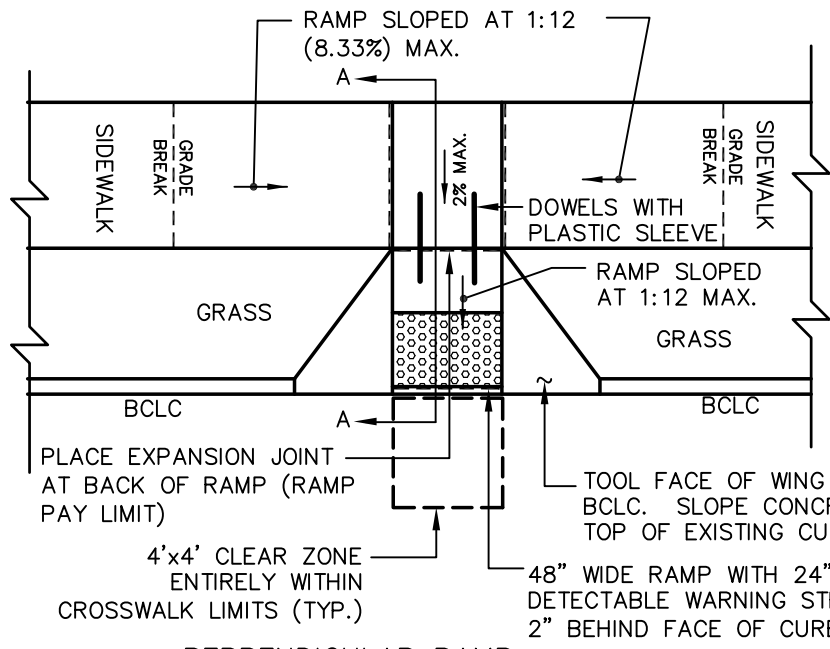
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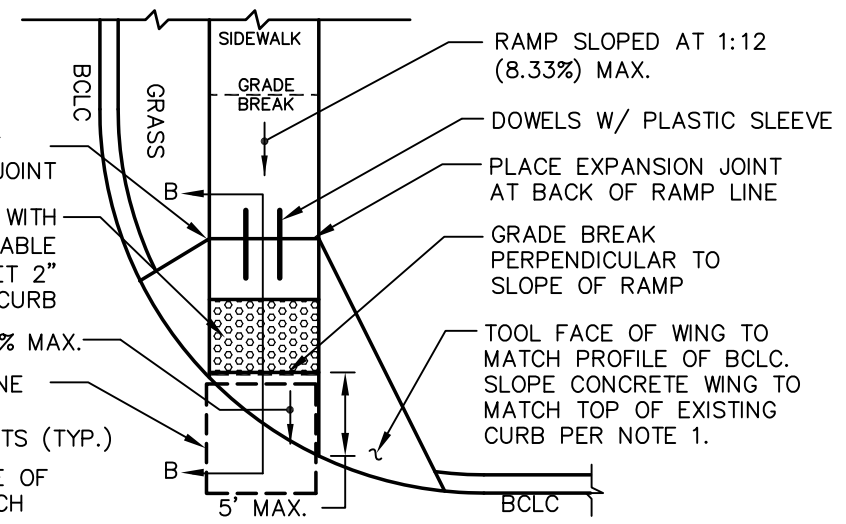
TOWN OF GLASTONBURY
DEPARTMENT OF PHYSICAL SERVICES
ENGINEERING DIVISION

CONCRETE SIDEWALKS

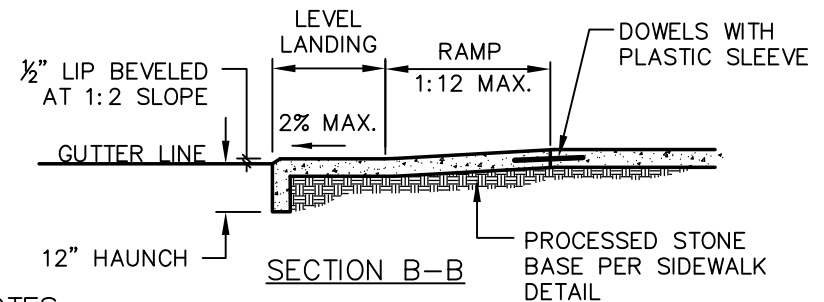
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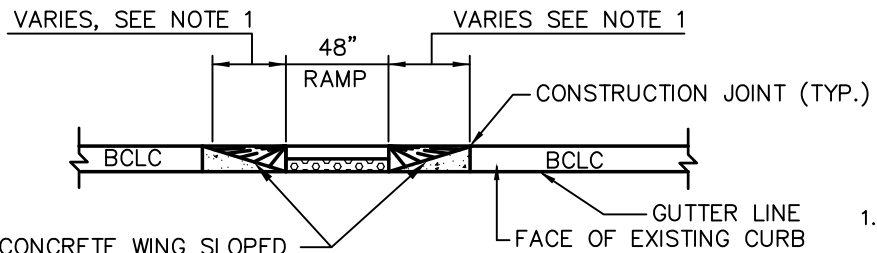
PERPENDICULAR RAMP



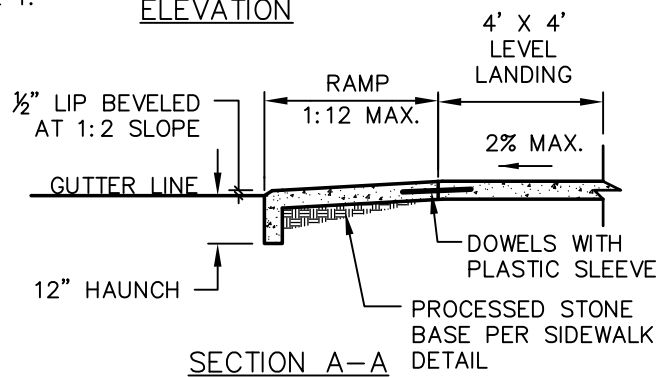
DIAGONAL RAMP



SECTION B-B



ELEVATION

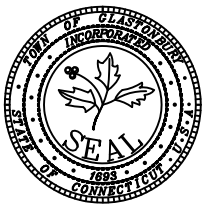


SECTION A-A

NOTES:

1. WING SHALL BE SLOPED AT 2 INCHES PER FOOT MAX. WHERE GRASS STRIP SEPARATES SIDEWALK FROM CURB. WING SHALL BE SLOPED AT 1 INCH PER FOOT MAX. WHERE SIDEWALK DIRECTLY ABUTS CURB AS PER CONNDOT STANDARD DETAILS FOR PARALLEL SIDEWALK RAMP.
2. GRADE BREAKS AT ENDS OF 1:12 RAMP SHALL ALWAYS BE PERPENDICULAR TO SLOPE OF RAMP AND PARALLEL TO EACH OTHER.
3. DETECTABLE WARNING STRIP SHALL BE A REPLACEABLE TACTILE WARNING SURFACE TILE AS MANUFACTURED BY ADA SOLUTIONS INC. (ADATILE.COM) OR APPROVED EQUAL. TILE SHALL BE BRICK RED IN COLOR AND ALL ATTACHMENT HARDWARE SHALL BE STAINLESS STEEL.

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| SCALE : NONE |
| DRAWN BY: SR |
| CHECKED BY: SMB |
| APPROVED BY: DAP |
| LAST REVISED: 9/1/2016 |



TOWN OF GLASTONBURY
DEPARTMENT OF PHYSICAL SERVICES
ENGINEERING DIVISION

CONCRETE SIDEWALK RAMPS

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ITEM # 0922501A

BITUMINOUS CONCRETE DRIVEWAY

Description: This item shall consist of bituminous concrete surfaced driveway constructed on a processed stone base course in the locations and to the dimensions and details shown on the plans or as directed by the Engineer and in accordance with these specifications. This item shall also include the sawcutting, removal and disposal of existing bituminous pavement necessary for driveway replacement work.

Materials: Materials for this work shall conform to the following requirements:

1. Processed Stone Base Course: The material for this item shall be **crushed trap rock** conforming to the requirements of Article M.05.01 Processed Aggregate Base and Pavement of the Form 817, except that coarse aggregate shall be broken stone, and fine aggregate shall be stone sand, screenings, or a combination thereof. Gravel or reclaimed miscellaneous aggregate shall not be used.
2. Bituminous Concrete Surface: Materials for this surface shall conform to the requirements of Section M.04, Class 2.

Construction Methods:

1. Sawcutting: Portions of the driveway or driveway aprons to be replaced shall be saw cut, and the existing pavement removed and disposed of by the Contractor.
2. Excavation: Excavation, including removal of any existing sidewalk, or driveway, shall be made to the depth of eight (8) inches below the bottom of the proposed pavement, or as shown on the plans or as directed by the Engineer. All soft and yielding material shall be removed and replaced with suitable material.
3. Forms: When the bituminous concrete is spread by hand, forms shall be used. Forms shall be of metal or wood, straight, free from warp and of sufficient strength to resist springing from the impact of the roller. If made of wood, they shall be of 2-inch (38-millimeter) surfaced plank except that at sharp curves thinner material may be used; if made of metal, they shall be of an approved section. All forms shall be of a depth equal to the depth of the sidewalks or driveways and shall be securely staked, braced, and held firmly to the required line and grade. All forms shall be cleaned and oiled each time they are used.
4. Base Course: Processed stone base course shall be uniformly spread in the excavated area to a depth of 8 inches in two equal lifts, and thoroughly compacted with a roller with a mass of not less than 500 pounds (226 kilograms).
5. Bituminous Concrete Surface: The edges of existing pavement shall be painted with an asphalt emulsion prior to the placement of permanent pavement. Hot laid bituminous concrete shall be placed so as to give a three-inch compacted surface, or a surface that has a depth equal to the existing driveway surface, whichever is greater.

This surface shall be constructed in accordance with the requirements of Section 4.06, except that the material may be spread by hand and thoroughly compacted by multiple passes of a power-driven roller weighing (with a mass) of not less than 500 pounds (226 kilograms). The finished surface shall be free from waves or depressions.

6. Backfilling and Removal of Surplus Material: The sides of the sidewalk or driveway shall be backfilled with suitable material thoroughly compacted and finished flush with the top of the sidewalk or driveway. All surplus material shall be removed and the site left in a neat and presentable condition to the satisfaction of the Engineer. In sections inaccessible to the roller, the

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DETAILED CONSTRUCTION SPECIFICATIONS**

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base course, surface course and backfill shall be hand-tamped with tampers weighing not less than 12 pounds (with a mass of not less than 5.5 kilograms), the face of which shall not exceed 50 square inches (32,000 square millimeters) in area.

Method of Measurement: This work will be measured for payment as follows:

1. Bituminous Concrete Driveway: This work will be measured by the actual number of square yards of completed and accepted bituminous concrete driveway.
2. Excavation: Excavation, including removal and disposal of existing bituminous concrete, backfilling, and disposal of all surplus materials will not be measured for payment; but the cost shall be included in the price bid for the bituminous concrete driveway.
3. Base Course: This work will not be measured for payment but the cost thereof shall be included in the price bid for the bituminous concrete driveway.

Basis of Payment: This work will be paid for at the contract unit price per square yard for "**Bituminous Concrete Driveway**" as listed in the Bid Proposal and as the case may be, complete in place, which price shall include all excavation as specified above, backfill, sawcutting, removal and disposal of surplus excavated material, processed stone base, and all equipment, tools, labor and materials incidental thereto.

ITEM # 0944000A

FURNISHING AND PLACING TOPSOIL

Description: This work shall consist of furnishing, placing, and shaping topsoil in areas shown on the plans where directed by the Engineer. The topsoil shall be placed to the depth stated in the Contract or specifications.

Material: The material shall conform to the requirements of Article M.13.01.1 of the Form 817.

Construction Methods: The areas on which topsoil is to be placed shall be graded to a reasonably true surface and cleaned of all stones, brickbats, and other unsuitable materials. After areas have been brought to proper subgrade and approved by the Engineer or his agent, loam shall be spread to a depth as indicated in the Contract, or to a depth of no less than four inches, with due allowance made for settlement. All stones, roots, debris, sod, weeds, and other undesirable material shall be removed from the topsoil. After shaping and grading, all trucks and other equipment shall be excluded from the topsoiled area to prevent excessive compaction. The Contractor shall perform such work as required to provide a friable surface for seed germination and plant growth prior to seeding.

During hauling and spreading operations, the Contractor shall immediately remove any material dumped or spilled on the shoulders or pavement.

It shall be the Contractor's responsibility to restore to line, grade, and surface all eroded areas with approved material and to keep topsoiled areas in acceptable condition until the completion of the construction work.

Method of Measurement: This work will be measured for payment by the number of square yards of area on which the placing of the topsoil has been completed and the work accepted.

The limits of payment shall be to the slope limits as shown on the plans. In the absence of slope limits, the maximum area of measurement shall be the area extending two feet behind the sidewalk and the area between the sidewalk and edge of pavement.

No payment shall be made outside of these limits unless the disturbance was directed or approved by the Engineer. No payment shall be made for areas disturbed for staging, storage of materials, or other area disturbed for the convenience of the Contractor.

Basis of Payment: This work will be paid for at the contract unit price per square yard for "Furnishing and Placing Topsoil" as listed in the Bid Proposal which price shall include all materials, equipment, tools, labor, and work incidental thereto.

ITEM # 0950005A TURF ESTABLISHMENT

General: The work included in this item shall consist of providing an accepted uniform stand of established perennial turf grasses by furnishing and placing fertilizer, seed, and mulch on all areas to be treated as shown on the plans or where designated by the Engineer.

The work will also include the installation of erosion control matting of the type indicated where shown on the plans or as directed by the Engineer.

Materials: The materials for this work shall conform to the requirements of Section M.13 of the Form 817, except as noted below.

Seed mix for residential lawn areas shall consist of 30% Crest Kentucky Bluegrass, 30% Baron Kentucky Bluegrass, 20% Victory II Chewings Fescue, and 20% Perennial Rye Grass.

Seed mix for other roadside areas designated for turf establishment shall consist of 70% Red Fescue, 20% Kentucky Blue Grass, and 10% Perennial Rye Grass.

Construction Methods: Construction Methods shall be those established as agronomically acceptable and feasible and which are approved by the Engineer.

1. Preparation of the Seedbed:

(a) Level areas, medians, interchanges and lawns: These areas shall be made friable and receptive for seeding by disking or by other approved methods to the satisfaction of the Engineer. In all cases the final prepared and seeded soil surface shall meet the lines and grades for such surface as shown in the plans, or as directed by the Engineer.

(b) Slope and Embankment Areas: These areas shall be made friable and receptive to seeding by approved methods which will not disrupt the line and grade of the slope surface. In no event will seeding be permitted on hard or crusted soil surface.

(c) All areas to be seeded shall be reasonably free from weeds taller than 3 inches. Removal of weed growth from the slope areas shall be by approved methods, including hand-mowing, which do not rut or scar the slope surface, or cause excessive disruption of the slope line or grade. Seeding on level areas shall not be permitted until substantially all weed growth is removed. Seeding on slope areas shall not be permitted without removal or cutting of weed growth except by written permission of the Engineer.

2. Seeding Season: The calendar dates for seeding shall be:

Spring—March 15 to June 15

Fall—August 15 to October 15

All disturbed soil areas shall be treated during the seeding seasons as follows:

(a) Areas at final grade: Seeding will be accomplished.

(b) "Out-of-season" seedings shall be performed in the same manner as "in-season" seedings. Since acceptable turf establishment is less likely, the Contractor shall be responsible for "in-season" reseeding until the turf stand conforms to this specification.

(c) During "out-of-season" periods unseeded areas shall be treated in accordance with Section 2.10, Water Pollution Control.

3. Seeding Methods: The seed mixture shall be applied by any agronomically acceptable procedure. The rate of application shall be no less than 175 pounds per acre or according to manufacturer instructions. Fertilizer conforming to M.13.03 shall be initially applied at a rate of

**ANNUAL SIDEWALK BID
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320 pounds per acre during or preceding seeding. When wood fiber mulch is used, it shall be applied in a water slurry at a rate of 2,000 pounds per acre with or immediately after the application of seed, fertilizer and limestone.

When the grass seeding growth has attained a height of 6 inches, the specified areas designated herein shall be mowed to a height of 3 inches. Following mowing, all seeding grass areas (mowed and un-mowed) shall receive a uniform application of fertilizer hydraulically placed at the rate of 320 pounds per acre.

4. Compaction: The Contractor shall keep all equipment and vehicular and pedestrian traffic off areas that have been seeded to prevent excessive compaction and damage to young plants. Where such compaction has occurred, the Contractor shall rework the soil to make a suitable seedbed; then re-seed and mulch such areas with the full amounts of the specified materials, at no extra expense to the Town.

5. Stand of Perennial Turf Grasses: The Contractor shall provide and maintain a uniform stand of established turf grass or wetland vegetation having attained a height of 6 inches consisting of no less than 100 plants per square foot throughout the seeded areas until the entire project has been accepted.

6. Establishment: The Contractor shall keep all seeded areas free from weeds and debris, such as stones, cables, baling wire, and he shall mow at his own expense, on a one-time-only basis, all slopes 4:1 or less (flatter) and level turf established (seeded) areas to a height of 3 inches when the grass growth attains a height of 6 inches. Clean-up shall include, but not be limited to, the removal of all debris from the turf establishment operations on the shoulders, pavement, and/or elsewhere on adjacent properties publicly and privately owned.

Method of Measurement: This work will be measured for payment by the number of square yards of surface area of accepted established perennial turf grass or wetland vegetation as specified or by the number of square yards surface area of seeding actually covered and as specified.

Restoration of areas disturbed for staging, storage of materials, or other area disturbed for the convenience of the Contractor will not be measured for payment.

Erosion control matting will be measured by the number of square yards of surface area of erosion control matting installed and accepted.

Basis of Payment: This work will be paid for at the contract unit price per square yard for "**Turf Establishment**", as listed in the Bid Proposal, which price shall include all materials, mowing, maintenance, equipment, tools, labor, and work incidental thereto. Partial payment of up to 60% may be made for work completed, but not accepted.

TOWN OF GLASTONBURY * 2155 MAIN STREET * GLASTONBURY * CT

BID / PROPOSAL NO: GL-2017-32 **DATE DUE:** 04-06-17

DATE ADVERTISED: 03-23-17 **TIME DUE:** 11:00 AM

NAME OF PROJECT: Annual Sidewalk Program

In compliance with this Invitation to Bid, the Bidder hereby proposes to provide goods and/or services as per this solicitation in strict accordance with the Bid Documents, within the time set forth therein, and at the prices submitted with their bid response.

It is the responsibility of the Bidder to clearly mark the outside of the bid envelope with the Company name and Address, Bid Number, Date and Time of Bid Opening, and it also THE RESPONSIBILITY OF THE BIDDER TO CHECK THE TOWN'S WEBSITE BEFORE SUBMITTING BID FOR ADDENDA POSTED PRIOR TO BID OPENING.

THE BIDDER ACKNOWLEDGES RECEIPT OF THE FOLLOWING ADDENDA AS REQUIRED:

Addendum #1 _____ (Initial/Date) Addendum #2 _____ (Initial/Date) Addendum #3 _____ (Initial/Date)

OTHER ITEMS REQUIRED WITH SUBMISSION OF BID PROPOSAL:

The following bid checklist describes items required for inclusion with the above-referenced bid proposal package. It is provided for the convenience of the bidders and, therefore, should not be assumed to be a complete list.

- _____ 1. Included Disclosure of Past and Pending Mediation, Arbitration, and Litigation cases against the Bidder or its Principals as per Section 17 of the Information for Bidders.
- _____ 2. Included Qualifications Statement as per Section 20 of the Information for Bidders.
- _____ 3. Checked Town web site for Addenda and acknowledged Addenda on page BP-1.
- _____ 4. Acknowledged Code of Ethics on page BP-3.
- _____ 5. Clearly marked sealed envelope with Bid Number, Date, Time of opening, Bidder's Company Name and address,
- _____ 6. Reviewed all specifications and requirements as contained in the bid packet.

Bidder Company Name _____

**ANNUAL SIDEWALK PROGRAM
 BID PROPOSAL**

**BID #GL-2017-32
 DUE DATE: 04-06-17 @ 11 AM**

| LINE NO. | DESCRIPTION | QTY. | UNIT PRICE |
|-----------------|---|-------------|-------------------|
| 1. | Sedimentation Control System as per Item # 0219001A of the Detailed Construction Specifications | 1 LF | \$_____/L.F. |
| 2. | Sedimentation Control Sack as per Item #0219011A of the Detailed Construction Specifications | 1 EA | \$_____/EA |
| 3. | Tree Protection Trench as per Item # 0915001A of the Detailed Construction Specifications | 1 L.F. | \$_____/L.F. |
| 4. | New 5-inch Concrete Sidewalk as per Item # 0921001A of the Detailed Construction Specifications | 1 S.F. | \$_____/S.F. |
| 5. | New 5-inch Concrete Sidewalk on Existing Base Course , Item # 0921001A of the Detailed Construction Specifications | 1 S.F. | \$_____/S.F. |
| 6. | New 8-inch Reinforced Concrete Sidewalk as per Item # 0921001A of the Detailed Construction Specifications | 1 S.F. | \$_____/S.F. |
| 7. | Replacement 5-inch Concrete Sidewalk as per Item # 0921001A of the Detailed Construction Specifications | 1 S.F. | \$_____/S.F. |
| 8. | Replacement 8-inch Reinforced Concrete Sidewalk as per Item # 0921001A of the Detailed Construction Specifications | 1 S.F. | \$_____/S.F. |
| 9. | New Concrete Sidewalk Ramp as per Item # 0921001A of the Detailed Construction Specifications | 1 EA. | \$_____/EA. |
| 10. | Replacement Concrete Sidewalk Ramp as per Item # 0921001A of the Detailed Construction Specifications | 1 EA. | \$_____/EA. |
| 11. | Additional Cost for New or Replacement Concrete Sidewalk Less than 160 SF , as per Item # 0921001A of the Detailed Construction Specifications | 1 S.F. | \$_____/S.F. |
| 12. | Bituminous Concrete Driveway as per Item # 0922501A of the Detailed Construction Specifications | 1 S.F. | \$_____/S.F. |

Bidder Company Name _____

**ANNUAL SIDEWALK PROGRAM
 BID PROPOSAL**

**BID #GL-2017-32
 DUE DATE: 04-06-17 @ 11 AM**

| LINE NO. | DESCRIPTION | QTY. | UNIT PRICE |
|-----------------|--|-------------|-------------------|
| 13. | Furnishing and Placing Topsoil as per Item # 0944000A of the Detailed Construction Specifications | 1 S.Y. | \$_____/S.Y. |
| 14. | Turf Establishment as per Item # 950005A of the Detailed Construction Specifications | 1 S.Y. | \$_____/S.Y. |

The Bidder is directed to insert the words "NO BID" for each item of the Bid Proposal where the Bidder is not submitting a bid.

Bidder willing to extend contract pricing to December 2018? YES _____ NO _____

Bidder willing to extend contract pricing to December 2019? YES _____ NO _____

NON-COLLUSION AFFIDAVIT:

By submission of this bid, the Bidder certifies, and in the case of a joint bid each party thereto certifies as to their own organization that this bid has been arrived at independently without consultation, communication, or agreement as to any matter relating to this bid with any other Bidder or with any competitor.

CODE OF ETHICS:

I/We have reviewed a copy of the Town of Glastonbury's Code of Ethics and agree to submit a Consultant Acknowledgement Form if I/We are selected. Yes _____ No _____*

*Bidder is advised that effective August 1, 2003, the Town of Glastonbury cannot consider any bid or proposal where the Bidder has not agreed to the above statement.

Respectfully submitted:

 Type or Print Name of Individual

 Doing Business as (Trade Name)

 Signature of Individual

 Street Address

 Title

 City, State, Zip Code

 Date

 Telephone Number/Fax Number

 E-Mail Address

 SS# or TIN#

(Seal – If bid is by a Corporation)
 Attest