

TOWN OF GLASTONBURY
INVITATION TO BID

<u>BID #</u>	<u>ITEM</u>	<u>DATE & TIME REQUIRED</u>
GL-2010-47	Chain Link Fence Installation	May 13, 2010 at 11:00 a. m.

The Town of Glastonbury is currently seeking bids for installation of chain link fence on Town property located at the Riverfront Park, 200 Welles Street, Glastonbury, Connecticut.

Bid Forms may be obtained on 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).

Interested bidders can obtain a copy of the full scale plan for this project from the Purchasing Office.

A optional pre-bid meeting will be held at the project site on Wednesday, May 5, 2010 at 9:00 a.m.

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. All Sealed Bids must be submitted to the Office of the Purchasing Agent no later than the time and date indicated. All bids will be publicly opened and read.

Mary F. Visone
Purchasing Agent

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INFORMATION FOR BIDDERS**

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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 basis of award will be based upon the sum of the option(s) selected by the Owner including any alternates.
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. **THIS ITEM WAIVED:** Each bid must be accompanied by a bid bond payable to the Town for ten percent (10%) of the total amount of the bid. The bid bond of the successful bidder will be retained until the payment bond and performance bond have been executed and approved, after which it will be returned. A certified check may be used in lieu of a bid bond. The Town of Glastonbury will not be liable for the accrual of any interest on any certified check submitted. Cashier's checks will not be accepted.
11. **THIS ITEM WAIVED:** A 100% Performance and Payment bonds are required of the successful bidder. This bond shall cover all aspects of the specification and shall be delivered to the Purchasing Agent prior to the issuance of a purchase order. The Performance and Payment Bonds will be returned upon the delivery and acceptance of the bid items.

Surety bonds shall be written on forms similar in content to A.I.A. Document A312-1984 and executed by a company authorized to transact business in the State of Connecticut and are named in

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the current list of "Surety Companies Acceptable on Federal Bonds" as published in the Treasury Department Circular 570, and the attorney-in-fact who executes the Bond on behalf of the Surety shall affix to the Bond a certified and current copy of his power of attorney.

In lieu of a Performance Bond, the Town will also accept either an irrevocable Letter of Credit issued to the Town, a certified check, or a bank check for the full amount of the base bid.

The Performance and Payment Bond shall remain in force and in full value throughout the course of the project. No reduction in bond value shall be acceptable. The cost of all bonds shall be included in the bid.

12. 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.
13. 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.
14. 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.
15. Bidder is required to review the Town of Glastonbury Code of Ethics adopted July 8th, 2003 and effective August 1, 2003. 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 **Bids & RFPs**, 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.
16. **Non-Resident Contractors (IF APPLICABLE)**

The Town is required to report names of non-resident (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. **Upon award, all non-resident contractors must furnish a five percent (5%) sales tax guarantee bond (state form AU-766), or a cash bond for 5% of the total contract price (state form AU-72) to DRS even though this project is exempt from most sales and use taxes.**

See State Notice to Non-resident Contractors SN 2005 (12). If the above bond is not provided, the Town is required to withhold 5% from Contractor's payments and forward it to the State DRS.

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Contractor must promptly furnish to the Town a copy of the Certificate of Compliance issued by the State DRS.

17. 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.
18. 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.
19. It is the responsibility of the bidder to check the Town's website before submitting bid for addendums posted prior to bid opening.
20. The Town of Glastonbury is dedicated to waste reduction and the practice of using and promoting the use of recycled and environmentally preferable products. Bidders are encouraged to submit bid responses that are printed double-sided (except for the signed proposal page) on recycled paper, and to use paper dividers to organize the bid for review. All bid pages should be secured with a binder clip, staple or elastic band, and shall not be submitted in plastic binders or covers, nor shall the bid contain any plastic inserts or pages. We appreciate your efforts towards a greener environment.
21. Any technical questions regarding this bid shall be made in writing (email acceptable) and directed to Raymond E. Purtell, Director of Parks & Recreation, 2155 Main Street, Glastonbury, CT 06033; ray.purtell@glastonbury-ct.gov. For administrative questions concerning this bid, please contact Mary F. Visone, Purchasing Agent at (860) 652-7588. 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 click on Bids & RFPs). 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.**
22. Each Bidder shall visit the site of the proposed work and fully acquaint himself with conditions relating to construction and labor so that he may fully understand the facilities, difficulties and restrictions attending the execution of the work under this Contract.
23. Bidders shall thoroughly examine and be familiar with the drawings and the specifications. The failure or omission of any Bidder to receive any form, instrument, Addendum or other documents or to visit the site and acquaint himself with conditions there existing, shall in no way relieve any Bidder from any obligation with respect to his bid or the Contract.
24. An **optional** pre-bid meeting will be held at the site, **Riverfront Park, 200 Welles Street, Glastonbury, CT on Wednesday, May 5, 2010 at 9:00 a.m.**
25. Any conflict existing between the Drawings and the Specifications and not brought to the attention of the Owner for clarification before bids are submitted shall be resolved on the basis of furnishing the greatest quantity and/or highest quality indicated, without cost to the Contract.

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26. After the award of the Contract:

- No substitutions will be considered except upon written request of the Contractor and written approval by the Owner.
- Substitutions shall be submitted including the entire system and/or assembly attached hereto.

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

**CHAIN LINK FENCE INSTALLATION
GENERAL CONSTRUCTION SPECIFICATIONS**

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1. Workmanship, Materials and Employees

- a. Wherever in this contract the word "Engineer" is used, it shall be understood as referring to the Director of Parks and Recreation of the Town of Glastonbury acting personally or through any assistants duly authorized.
- b. The entire work described herein shall be completed in accordance with the plans and specifications to the full intent and meaning of the same.
- c. 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.

2. Superintendent: The Contractor shall keep on the work during its progress, in the absence of the Contractor, a competent Superintendent. The Superintendent shall be acceptable to the Engineer and shall fully represent the Contractor. All directions given to the Superintendent shall be binding as if given to the Contractor.

3. Preconstruction Meeting: 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.

4. **INSURANCE**

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 and the Board of Education 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-. In addition, all carriers are subject to approval by the Town. Minimum Limits and requirements are stated below:

1) Worker's Compensation Insurance:

- Statutory Coverage
- Employer's Liability
- \$100,000 each accident/\$500,000 disease-policy limit/\$100,000 disease each employee

2) Commercial General Liability:

- Including Premises & 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

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3) Automobile Insurance:

- Including all owned, hired, borrowed and non-owned vehicles
- Limit of Liability for Bodily Injury and Property Damage:
Per Accident \$1,000,000

The Bidder shall direct its Insurer to provide a Certificate of Insurance to the Town before any work is performed. The Certificate shall specify that the Town shall receive 30 days advance written notice of cancellation or non-renewal. The Certificate shall evidence all required coverage including the Additional Insured and Waiver of Subrogation. The Bidder shall provide the Town copies of any such insurance policies upon request.

INDEMNIFICATION

To the fullest extent permitted by law, the Bidder 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 Bidder'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 Bidder, or breach of its obligations herein or by any person or organization directly or indirectly employed or engaged by the Bidder to perform or furnish either of the services, or anyone for whose acts the Bidder may be liable.

5. Permits: All permits, licenses, and fees required for the performance of the Contract work, except for those described in the Detailed Construction Specifications, shall be secured and paid for by the Contractor.

6. Property Access:

- a. 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.
- b. 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.
- c. 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.

7. Protection of the Public and of Work and Property:

- a. 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.
- b. The Contractor shall adequately protect adjacent private and public property.

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- c. 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.
8. Existing Improvements: The Contractor shall conduct his work so as to minimize damage to existing improvements. Except where specifically stated otherwise in the specifications, drawings, or as directed by the Engineer, it will be the responsibility of the Contractor to restore to their original condition, as nearly as practical, all improvements on public property.
9. Separate Contracts: 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. 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.
10. Inspection of Work:
 - a. The Town shall provide sufficient personnel for the inspection of the work.
 - b. 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.
 - c. If the specifications or the Engineer's instructions 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. 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.
 - d. Reinspection of any work may be ordered by the Engineer. 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.
11. Right to Increase or Decrease Work: The Town shall have the right to increase or decrease the amount of work herein specified as may be required.
12. Right of Engineer to Stop Work for Weather Conditions: Should the work, in the opinion of the Engineer, be 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 Contractor shall, upon such orders, discontinue work, remove all materials or appliances for or in use upon the work, and place the property in proper condition during the time the work is suspended as herein provided, without cost to the Town.

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13. Contractor to be Responsible for Imperfect Work or Materials: Any unfaithful work or imperfect material shall be corrected upon the order of the Engineer. The acceptance and payment of the work does not in any manner relieve the Contractor of his obligation to perform the work in the proper manner herein specified.

14. Town may Notify Contractor if Work is not Carried on Satisfactorily:
 - a. 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 of the Contract and specifications, the Engineer may serve notice on the Contractor to adopt such methods as will insure the completion of the work in the time specified.

 - b. 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.

 - c. Additional costs incurred over and above the original Contract shall be borne by the Contractor.

15. Deductions for Uncorrected Work:
 - a. 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 therefore.

 - b. The Contractor shall promptly replace and re-execute his own work in accordance with the Contract and without expense to the Town.

1. SCOPE OF WORK:

It is the intention of the Town of Glastonbury to purchase services needed to make the chain link fence installation specified below.

Riverfront Park Dog Park: Furnish and install approximately 1620' of chain link fence, two 12' wide double leaf gates, and six 4' wide single leaf gates. Work includes all fittings, fasteners and ties, tension wire on bottom, top rails on all sections and mid-rails on end sections. Height is 5'.

2. PROJECT LOCATION

Riverfront Park, 200 Welles Street, Glastonbury, CT 06033.

3. TOWN PROJECT COORDINATION:

Wherever in this contract the word "Engineer" is used, it shall be understood as referring to the Director of Parks & Recreation of the Town of Glastonbury acting personally or through any assistants duly authorized in writing. All correspondence and questions shall be directed to Raymond E. Purtell, Director of Parks and Recreation, 2155 Main Street, Glastonbury, CT 06033; (860) 652-7687, ray.purtell@glastonbury-ct.gov.

4. USE OF PARK AND GROUNDS BY OWNER

The park will continue to function throughout the construction period. All work must be coordinated with the Director of Parks and Recreation in advance.

5. TIME FOR COMPLETION

It is the intention of the Town to have all work which the Contractor is required to perform under this Contract completed not later than December 31, 2010. The specific work schedule shall be arranged with the owner. Please note that work by others must be completed before the fence installation can occur. That schedule has not been determined at this point in time.

6. USE OF PREMISES

The Contractor shall confine his apparatus, storage materials, supplies, equipment, and operations to areas identified for this purpose by the Engineer.

7. PRE-BID SITE INSPECTION

Each Contractor shall familiarize himself with the site and its conditions prior to submitting a bid. An optional pre-bid site visit will be held at the Riverfront Park, 200 Welles Street, Glastonbury, CT 06033 on Wednesday, May 5, 2010, at 9:00 a.m.

8. GUARANTEE

The Contractor and each Subcontractor shall guarantee that all materials and workmanship shall be free from original defects or against injury from proper and usual wear, when used for purposes intended, for one year after date of acceptance by the Engineer. If, in the Contractor's opinion, any work is called for in the Specifications in such manner as to make it impossible to

produce and guarantee a first-class piece of work, the Contractor shall refer the same to the Engineer before proceeding.

9. EXISTING IMPROVEMENTS

The Contractor shall make certain on the exact location of all underground utilities prior to excavation.

Please note that access to the work area will be via the main entrance to the Riverfront Park.

10. BASIS FOR PAYMENT

This work shall be paid for at the contract lump sum price upon satisfactory completion of the work and acceptance by the Engineer.

11. PROTECTION

The Contractor shall be solely responsible for damage, loss or liability, due to the theft or vandalism when work is not in progress at night, weekends, or holidays. The Contractor is advised that the potential for vandalism is high, and every precaution should be taken to protect completed work until final acceptance by the Owner.

12. APPROVED EQUALS (If Applicable)

Contractors proposing to use products different than those specified for consideration as an "approved equal" must submit documentation that clearly indicates that the alternative product(s) either meet or exceed those specified. The documentation must be submitted with the bid quotation. The Town reserves the right to reject bids that do not comply with this requirement. The Town also reserves the right to determine if the product is an "approved equal".

13. PLANS

Please refer to the attached plan titled "Plan Depicting Proposed Dog Park and Stone Dust Path Extension located at the Riverfront Park Glastonbury, CT", dated 04/20/2009, scale 1" = 40'.

14. DISPOSAL OF WASTE PRODUCTS

The Town of Glastonbury will permit the Contractor to dispose of acceptable waste materials at its Bulky Waste site at no additional cost provided that the wastes are disposed of in a manner consistent with Town regulations. Permit fees will be waived.

I. PART ONE - GENERAL

A. Description of Work:

Work included: Providing and installing fence and fence improvements specified herein, including, but not necessarily limited to:

- All necessary earth work.
- Providing and installing chain link fence rails, fittings, fasteners and ties.

B. Project Conditions:

Top of Footing: shall be sloped and two inches (2") below finish grade so that the finish surfacing covers the footing and the concrete is not visible.

C. Quality Assurance:

Standards of Manufacturer: Comply with the current material and installation standards of the Chain Link Fence Manufacturer's Institute for each type of fence and fabric as herein specified.

Provides aluminum coated steel fence as a complete unit produced by a single manufacturer, including necessary erection accessories, fittings, and fastenings.

D. Submittals:

Product Data

- Submit copies of the manufacturer's technical data, shop drawings, and installation instructions on all proposed materials.

Mill Certificates

- Submit mill certificates for each type of fence fabric and all framework confirming compliance with these specifications and fabrication from domestic produced steel.

II. PART TWO - PRODUCTS

A. Fence Materials:

Fabric: Chain Link fabric of 9 gauge finished wire size two (2) inch mesh shall be aluminum coated steel wire fabric in accordance with A 491-63T in its entirety.

- Height: 5'
- Fabric shall have a coating of at least .408 ounces per square foot of wire surface area. This shall be determined by a strip test as defined in ASTM A-428-58T.
- Fabric shall be knuckled at both selvages
- Steel wire shall conform to ASTM A-817.

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Framework: All posts and rails shall be galvanized SS.40 weight pipe conforming to the requirements of ASTM-A-569, cold-corned, high frequency welded and having a minimum yield strength of 50,000 PSI. External surface triple coated with 1.0 ounce +/- 0.1 ounce of zinc per square foot, 30 +/- 15 micrograms of chromate per square inch and 0.5 +/- 0.2 mils of clear, cross linked polyurethane. Internal surface coated, after welding, with a zinc-rich based organic coating having an 87% zinc powder loading capable of providing galvanic protection.

Fence Line Posts: Line Posts shall be 2 1/2" O.D. and shall be of sufficient length to allow for 36" setting into concrete footings.

Fence Top – Intermediate and Brace Rails: Rails shall be 1-5/8" O.D. Top rail couplings shall be 6 inches minimum in length with .070 minimum wall thickness. Minimum length of top rail section 10'0", standard length 20'0".

Bottom Tension Wire: Bottom tension wire shall be No. 7 gauge aluminum-coated steel, coil-spring wire. Include No. 11 gauge galvanized steel hog rings. A bottom rail is used on this installation in lieu of bottom tension wire.

Fence Terminal and Gate Posts: All end, corner, and pull posts shall be 3" O.D. and shall be of sufficient length to allow for approximately 42" settings into concrete footings. Attachment of chain link fabric to terminal posts shall be made with a minimum 1/4" x 3/4" metal tension bar and 12 gauge by 1 inch wide clamps using minimum 3/8" diameter carriage bolts. Fiberglass tension bars not accepted.

Post Tops: Tops on line posts shall be of a cast aluminum alloy, malleable casting, or pressed steel. The base of top shall extend below the top of the post not less than two inches. Terminal post tops shall be of malleable iron or pressed steel.

Fittings: All fittings shall be pressed steel or malleable iron and be hot-dip galvanized conforming to the requirements of ASTM-A-153-78. Fabric tie wires shall be minimum 9 gauge aluminum wire.

Braces for Terminal: All terminal posts and line posts every 60' o.c. shall be strengthened and reinforced by braces meeting the same specifications and dimensions as top rail. Braces shall be installed midway between top rail and finished grade and extend from the 'braced' post to the first adjacent line post, both ways. Braces shall be securely fastened to posts by heavy pressed steel connections and also be trussed from line post back to 'braced' post with 3/8" round truss rod complete with tightening unit.

Fence Gate Posts: Shall be 3" O.D.

B. Gates:

Gate Frames: Fabricate chain link swinging gates in accordance with ASTM F 900 using galvanized steel tubular members, 2" O.D., weighing 2.60 lb./ft. Weld all joints to form a rigid one-piece unit. Provide intermediate rail and diagonal brace on all gate leaves unless otherwise indicated.

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Chain Link Fabric: Aluminum-coated steel fabric, mesh and gauge to match fence. Install fabric with hook bolts and tension bars at all 4 sides. Attach to gate frame at not more than 15" on center.

Hardware Materials: Hot dipped galvanized steel or malleable iron shapes to suit gate size.

Hinges: Structurally capable of supporting gate leaf and allow opening and closing without binding. Non-lift-off type hinge design shall permit gate to swing 180 degrees as indicated on the drawings. For the six (6) 4' wide gates, each gate shall be supplied with self-closing hinges appropriately sized for that gate.

Latch: The latch for the 12' wide double-leaf service gates shall be a Strong Arm Industrial Gate Latch for round gate frames as manufactured by Hoover Fence Co., 1-800-355-2335, www.hooverfence.com Quantity: 2.

The latch for the 4' wide single-leaf gates shall be the Child Safety Latch "Auto Latch" for 3" O.D. gate post with a 2" O.D. gate frame; model DAC-1577, as distributed by Hoover Fence Co., 1-800-355-2335, www.hooverfence.com Quantity: 6.

Keeper: Provide keeper for each gate leaf over 5' wide. Gate keeper shall consist of mechanical device for securing free end of gage when in full open position.

Double Gates: Provide drop rod to hold inactive leaf. Provide gate stop pipe to engage center drop rod. Provide locking device and padlock eyes as an integral part of latch, requiring one padlock for locking both gate leaves.

Concrete: Form 816-1988, Article M.03.01 Class "C" (3,000 PSI).

Grout: Form 816, Article M.03.01-12, non-shrink, non-staining grout.

III. PART THREE - EXECUTION

A. General

Install: In a workmanlike manner to the lines and details shown on the Drawings and in conformance with DOT Form 814-1998, Section 9.13, and ASTM F-567.

Line and Terminal Posts

- All: posts are to be set in concrete.
- See details in this Section for post footing schedule.

B. Installation

Posts: Shall be evenly spaced at 10'0" centers maximum, except as noted otherwise.

Provide: Terminal/corner posts wherever fence changes direction more than 10 degrees, at abrupt changes in grade, and at 300' maximum intervals.

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Excavate: Hole depths minimum 6" deeper than the scheduled post bottom. Refer to fence schedule footing depths.

Confirm and Locate: All utility locations in areas of proposed footings prior to proceeding with work. Adjust post/footing layout as required to avoid utilities.

If: Ledge rock is encountered, the posts shall be set in holds drilled into rock at least 12" in depth and grouted with an approved non-shrink and non-metallic grout to hold post firmly in correct position. When set into ledge rock, the hole size shall be 1" larger than the OD of the post. Grout consistency shall be flowable and soupy to completely fill voids between the post and ledge.

Setting Posts: Remove loose and foreign materials from sides and bottoms of holes, and moisten soil prior to placing concrete.

- Center and align: posts in holes 6" above bottom of excavation.
- Place: concrete around posts in a continuous pour and vibrate or tamp for consolidation. Check each post for vertical and top alignment, and hold in position during placement and finishing operations.
- Posts: shall be maintained at a constant vertical and horizontal alignment until concrete cures.
- Trowel-Finish: tops of footings, and slope or dome to direct water away from posts. Set keeps, stops, sleeves and other accessories into concrete as required. Top of footing shall be held two inches (2") below finish grade.
- Keep: exposed concrete surfaces moist for at least three (3) days after placement, or cure with membrane curing materials or other acceptable curing method.
- Concrete Strength: allow concrete to attain at least 75% of its minimum 28-day compressive strength, but in no case sooner than 7 days after placement, before rails, tension wire, or fabric and wires are installed.

Remove: any excess material from post footings.

Top Rails: Run rail continuously through post caps. Provide expansion couplings spaced at maximum 20-foot centers. Minimum length of all top rails – 10'. Securely fasten to terminal posts with heavy gauge pressed steel bands and malleable rails ends and connections.

Brace Assemblies: Install braces so posts are plumb when diagonal rod is under proper tension.

Fabric: Pull fabric taut free of sag, and tie to posts, rails, and tension wires. Install fabric on outside of posts, facing out from the dog park enclosure. Anchor to frame so that fabric remains in tension after pulling force is released. There should be no gap between the finished grade and the bottom of the fence fabric.

- Post tie wires at 14" o.c.
- Tension wire hog rings at 18" o.c.
- Tension bar clamps at 12" o.c.
- Top rail tie wires at 18" o.c.
- Install bottom rail as close to finish grade as possible.

Repair: Cut ends and damaged coatings in the shop or during field erection by recoating with manufacturer's recommended repair compound, applied per manufacturer's instructions.

D. Fencing Schedule:

Concrete Footings (dimensions)

- Line Posts: 10" diameter x 42" depth.
- Terminal Gate, corner, and brace posts: 12" diameter x 48" depth.

Heights

- 5.0" height

IV. **Alternate #1 – Bottom Rail**

Substitute 1 5/8" O.D. SS40 bottom rail, including all fittings and wire ties, in lieu of bottom tension wire.

V. **Alternate #2 – 5' High PVC Coated Chain Link Fence**

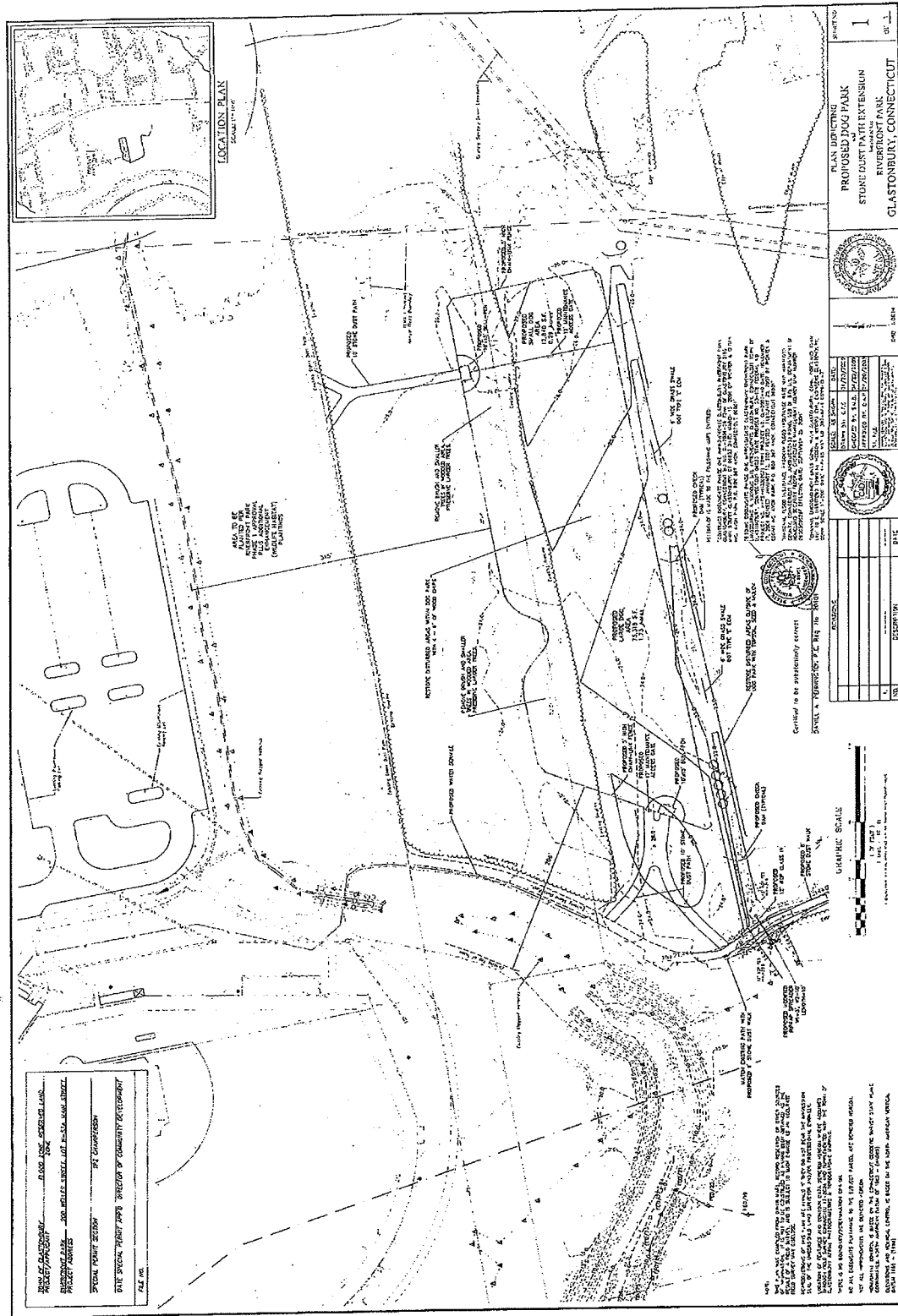
In lieu of the products specified in Part Two-Products, furnish and install 5' high PVC-coated chain link fence including: 2" mesh, 8 guage PVC coated chain link fence fabric KK (CHSS2B). All other components specified in Part Two-Products remain the same except that they are PVC coated. If this alternate is selected by the Owner, material samples, including the fence fabric and posts will be required for approval. Color to be selected by the Owner.

VI. **Alternate #3 – SS40 PVC Coated Bottom Rail**

Substitute 1 5/8" PVC coated bottom rail, including all fittings and wire ties, in lieu of bottom tension wire on Alternate #2.

**CHAIN LINK FENCE INSTALLATION
DETAILED SPECIFICATIONS**

BID #GL-2010-47



**CHAIN LINK FENCE INSTALLATION
BID PROPOSAL**

BID #GL-2010-47

Proposal of _____ (hereinafter called "Bidder"), organized and existing under the laws of the State of _____, doing business as _____
_____.

To the Town of Glastonbury (hereinafter called "Town").

In compliance with your Invitation to Bid, the Bidder hereby proposes to furnish materials and/or services as per Bid Number GL-2010-47 in strict accordance with the Bid Documents, within the time set forth therein, and at the prices stated below.

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.

The Bidder acknowledges receipt of the following:

Addendum #1 _____

Addendum #2 _____

Addendum #3 _____

It is the responsibility of the Bidder to check the Town's website for any Addendum before submitting the bid.

**CHAIN LINK FENCE INSTALLATION
BID PROPOSAL**

BID #GL-2010-47

Furnish and install all labor, materials, and equipment necessary to furnish and install the chain link fence specified in Bid #GL-2010-47 including all burden, overhead, and profit.

- | <u>Description</u> | <u>Amount</u> |
|---|---------------|
| 1. Furnish and install approximately 1620' of aluminum coated steel chain link fence, two 12' wide double leaf gates, and six 4' wide single leaf gates.

(Written amount):\$ _____
_____ | \$ _____ |
| 2. Alternate #1 - Bottom Rail
Substitute 1 5/8" O.D. SS40 bottom rail, including all fittings and wire ties, in lieu of bottom tension wire.

(Written amount):\$ _____
_____ | \$ Add _____ |
| 3. Alternate #2 - 5' High PVC Coated Chain Link Fence
Furnish and install approximately 1620' of PVC-coated chain link fence, two 12' wide double leaf gates, and six 4' wide single leaf gates.

(Written amount): \$ _____
_____ | \$ _____ |
| 4. Alternate #3 - Bottom Rail
Substitute 1 5/8" PVC coated bottom rail, including all fittings and wire ties, in lieu of bottom tension wire with Alternate #2.

(Written amount): \$ _____
_____ | \$ Add _____ |

Unit Prices

The following unit prices will be used as the basis for any adjustments to the base bid as may be required due to changes in the quantity of work. In addition, the Bidder proposes that the following unit prices for any work added to or deducted from the contract sum by appropriate modification if the scope of work or estimated quantities of work required by the contract documents are increased or decreased.

- | | |
|--|---------------|
| 5' High Aluminum Coated Steel Chain Fence as Specified | \$ _____ l.f. |
| 5' High PVC Coated Steel Chain Link Fence as Specified | \$ _____ l.f. |

Name of Bidder: _____

**CHAIN LINK FENCE INSTALLATION
BID PROPOSAL**

BID #GL-2010-47

TOWN OF GLASTONBURY

BID/PROPOSAL

DATE ADVERTISED

4/29/10

GL #

2010-47

DATE/TIME DUE

May 13, 2010 @ 11:00 a.m.

NAME OF PROJECT

Chain Link Fence Installation

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

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