



# City of Concord, New Hampshire

## PURCHASING DIVISION

COMBINED OPERATIONS & MAINTENANCE FACILITY

311 NORTH STATE STREET

CONCORD, NH 03301

(603) 230-3664 FAX: (603) 230-3656

[www.concordnh.gov/Purchasing](http://www.concordnh.gov/Purchasing)

September 15, 2011

### ADDENDUM NUMBER TWO

B11-12

### OLD SUNCOOK ROAD LANDFILL FENCE CONSTRUCTION

**TO ALL FIRMS OF RECORD:** This addendum forms a part of and modifies the bidding and contract documents and technical specifications for the project named above. The following changes, additions and clarifications are made to the original Contract Documents:

**1. Pre-Bid Meeting Sign-In Sheet.** The sign-in sheet from the mandatory pre-bid meeting held on Tuesday, September 13, 2011 is attached for your review and records.

**2. Technical Specifications, Section 02800-Chain Link Fence and Gate.** Replace the Section in its entirety with the attached Sections, noted Revised 9/15/11. Revisions include clarifying the post and rail locations and dimensions and materials and methods for installation.

**3. Drawings, Sheet No. 2.** Replace the Drawing in its entirety with the attached Drawing, noted Revised 9/15/11. Revisions include modifying the post and rail locations and dimensions and materials for installation.

**4. Question:** The bid was set-up so that the Contractor owns all logs and stumps etc. Does the City want to offer a location for them to haul to?

**Answer:** Section 02221 of the bid document requires the Contractor to manage and dispose of all trees and grubblings.

**5. Question:** There may be some voids from the stump removal and we had not indicated whether soil fill would be made available to them. Would the City want to provide this for grading purposes?

**Answer:** The Scope of Work, Part 3.02, requires the Contractor to utilize existing disturbed soils in the area to re-grade the fencing area.

**6. Question:** General Bid Package, Item 38. States contractor is to follow ASSAH safety standards. With that being said are workers required to have OSHA 10 hour safety certificates before being allowed on site?

**Answer:** No.

**7. Question:** General Bid Package. Is one to assume all permit fees will be either waived or paid for by the City?

**Answer:** Yes.

**8. Question:** General Bid Package, Liquidated Damages. Sates a \$500 day fine for delay in completion. Is there a set completion day or time once the job is awarded.

**Answer:** Based on the date of the City's Notice to Proceed the successful contractor shall have ten (10) calendar days to mobilize and thereafter thirty (30) calendar days to complete the project.

**9. Question:** Part 1, Item 1.04 B., Submittals. Are shop drawings needed or can we base the fencing on the actual drawing already provided? If required who is the landscape architect they are to be provided to?

**Answer:** Shop drawings are required and shall be provided to CMA Engineers. See revised Technical Specifications.

**10. Question:** Part 1, Item 1.04 C. Refers to samples being required yet it notes in area 2 all items shall be complete (in place) this would mean mock-ups which is totally different from samples. Question is samples aw well as a mock-up required for the job. If a mock-up is required does this mean it needs to be completed and approved prior to the start of the job (this would mean separate trips to the job site)?

**Answer:** The intent is to construct a section of fencing as a mock-up that will become part of the final fence installation for review by the City and Engineer for approval. The intent is to have City and Engineer representatives on-site during install of fence section to approve typical construction methods.

**11. Question:** Part 2, Item 2.01 A 1. Notes "The fence fabric shall be imprint branded at each link with the manufacturer's trade name, country of origin (USA) . . ." It appears you are asking for a certain way to mark or brand the materials being used without telling what type to use; however, in the example it notes (USA), is one to assume this project is subject to the Buy American act? If so could you please include the Buy American Act Compliance statement as part of the bid documents. If not could you please state that materials need to be made in the USA and to what extend (raw materials to final fabrication or just part of the process).

**Answer:** This project is not subject to Buy America, therefore the requirement for imprint branding has been removed in the revised specifications.

**12. Question:** Part 2, Item 2.01 B 1. Notes "Galvanized chain link fabric shall be No. (9) gauge with uniform square mesh..... " I am assuming it should be diamond mesh instead of square mesh.

**Answer:** See the revised specifications. The word square has been removed.

**13. Question:** Part 2, Item 2.01 D 1. Notes the use of top, middle and bottom rail. Is this correct?

**Answer:** No, the revised specifications indicate a top rail only with bottom tension wire.

**14. Question:** Part 2, Item 2.01 F 1. Notes the use of thermal fusion coated PVC tension bards. Should this be galvanized?

**Answer:** Yes, see revised specifications.

**15. Question:** Part 2, Item 2.01 I. Notes concrete to be air entrained. Is this necessary?

**Answer:** No, see revised specifications.

**16. Question:** Part 3, Item 3.01 C. Notes the use of top, middle and bottom rail. Is this correct?

**Answer:** No, the revised specifications indicate top rail only.

**17. Question:** Part 3, Item 3.01 D. Notes the use of top and bottom rail. Is this correct?

**Answer:** No, top rail only, brace rails are required at corner and terminal posts. See revised specifications.

**18. Question:** Part 3, Item 3.01 H. Notes the use of fused vinyl wire ties. Should these be galvanized?

**Answer:** Yes, see revised specifications.

**19. Question:** Drawing Detail. Could you please confirm the sizes of the round steel posts and rail required for this project for the gate posts, ends/corners/pull posts, and line posts? Please note that I would recommend the use of 4" gate posts; 2 7/8" end/corner/pull posts and 2 3/8" line posts minimum.

**Answer:** See revised drawing detail, it has posts and rail sizes called out.

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**20. Question:** Drawing Detail. The gate does not show any horizontal or vertical bracing just the use of truss rods. This is not recommended for a gate this size 30'x8ft tall, please confirm.

**Answer:** See revised drawing.

**21. Question:** Site. Will the city be providing a marked survey of the lot denoting property lines using stakes, pins and or ribbons? If not is it the contractor's responsibility to provide this service?

**Answer:** The City will install grade stake at property line along eastern portion of the project. The rest of the alignment will be set in the field with input from the Engineer and Owner.

**22. Question:** Site. Will the city be providing the corner and end points of the fence location using stakes or pins? If not is it the contractor's responsibility to provide this service?

**Answer:** No, just property line. The rest of the alignment will be set in the field with input from the Engineer and Owner. Survey location by the successful Contractor is not required.

**23. Question:** Site. If any rubbish or garage debris is encountered while digging for fence posts what is procedures that need to be followed and who is responsible to clean out the debris from the excavated holes.

**Answer:** The fence line is proposed to be outside the confirmed limits of waste. If any rubbish or garbage is encountered the Contractor is to contact the Owner.

**24. Question:** Could we cut the large stumps off at ground level and leave them in place?

**Answer:** No, the contractor is to remove all stumps.

**25. Question:** Would it be acceptable to mechanically drive line posts to a depth of 4'?

**Answer:** Yes.

**26. Question:** Will the materials generated by clearing and grubbing be accepted at the recycling facility that currently operates on City owned land at no expense to the Contractor.

**Answer:** It is the successful Contractor's responsibility to dispose of all wood, brush and stumps. The City can't waive any fees at the Fort Eddy Road facility.

PLEASE BE ADVISED THAT THE CONTRACTOR MUST ACKNOWLEDGE RECEIPT OF ADDENDUM ONE AND TWO ON THE SIGNATURE PAGE OF THE BID/ITEMIZED BID SHEETS (PAGE 41).

CITY OF CONCORD, NEW HAMPSHIRE



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DOUGLAS B. ROSS  
PURCHASING MANAGER

**CITY OF CONCORD**  
**PURCHASING DIVISION**  
**MANDATORY PRE-BID SIGN-IN SHEET**  
**OLD SUNCOOK ROAD LANDFILL FENCE CONSTRUCTION**  
**BID NO. B11-12 DATE: 9.13.11 TIME: 10:00 AM**

**ATTENDEES**

PRINTED NAME	COMPANY NAME (Representing)	TELEPHONE # (Including area code)	FAX #	E-MAIL
1. <u>Dany Foss</u>	<u>City of Concord - Purchasing</u>	<u>(603) 230-3667</u>	<u>(603) 230-3656</u>	<u>dross@concordnh.gov</u>
<u>Mailing Address:</u>	<u>311 North State Street, Concord, NH 03301</u>			
2. <u>AL SIEUMTA</u>	<u>FOUR SEASONS FENCE</u>	<u>603-436-2191</u>	<u>603-431-5696</u>	<u>AL@FOURSEASONSFENCE.C</u>
<u>Mailing Address:</u>				
3. <u>Jeffrey Lavigne</u>	<u>Grant Landscaping</u>	<u>603-625-0094</u>		<u>Grantlandscaping@gmail.com</u>
<u>Mailing Address:</u>	<u>1071 Hanover St. Manchester, NH 03104</u>			
4. <u>MOR CASWELL</u>	<u>Roundhill Fence &amp; Security</u>	<u>802-754-6328</u>	<u>802-754-6327</u>	<u>morc@roundhillfence.com</u>
<u>Mailing Address:</u>	<u>288 Telephone Rd. Orleans VT. 05860</u>			
5. <u>JEFFREY HOANLEY</u>	<u>City of Concord GSD</u>	<u>230-3905</u>		<u>jhoanley@concordnh.gov</u>
<u>Mailing Address:</u>				
6. <u>BILL STRAUB</u>	<u>CMA ENGINEERS</u>	<u>431-6196</u>		<u>withrub@cmengineers.com</u>
<u>Mailing Address:</u>				
7. <u>Patrick Winn</u>	<u>City of Concord</u>	<u>230-3912</u>		<u>pwinn@concordnh.gov</u>
<u>Mailing Address:</u>	<u>311 N. State St. Concord NH 03301</u>			

ATTENDEES

PRINTED NAME

COMPANY NAME  
(Representing)

TELEPHONE #  
(Including area code)

FAX #

E-MAIL

8. TED TANDAFILOU

ATLANTIC COAST FORCE

478.388.1415

978.388.9599

commesally@atlanticcoastforce.com

Mailing Address: 82 Haverhill Road Amesbury, MA 01913

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Mailing Address:

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SECTION 02800  
CHAIN LINK FENCE AND GATE

PART 1 – GENERAL

1.01 REFERENCES

- A. Examine all Drawings and all other Sections of the Specifications for requirements therein affecting the work of this trade.

1.02 SCOPE

- A. The work of this Section consists of all work as indicated on the Drawings and/or specified herein and includes, but is not limited to, the following:
  - 1. Chain Link Fence and Gate

1.03 RELATED WORK

- A. Examine all Drawings and all other Sections of the Specifications for requirements affecting the work described below.

1.04 SUBMITTALS

- A. Request for Deviations from the Specifications: If any deviations from the specifications are proposed, contractors must include written description and reasons for deviations.
- B. Shop Drawings: Prior to ordering the materials listed below, submit Shop Drawings and/or product literature to the Owner for approval as follows:
  - 1. Coordinated Shop Drawings shall show required sizes, dimensions, sections, profiles of units, the arrangement of and provision for jointing, anchoring, fastening, and supports, and other necessary details for delivery and lifting devices and reception or installation of other work.
  - 2. Do not order materials until Engineer's approval has been obtained.
    - a. Chain link fence and tamper-resistant gate: Shop Drawings and product literature for all components.
- C. Construction and Fabrication of Samples
  - 1. Contractor shall construct and/or fabricate samples for the following items in accordance with approved Shop Drawings:
    - a. Chain link fence: Minimum 3 sections
  - 2. All items shall be complete (in place). The quality of workmanship shall be approved by the Owner before final construction can continue. Coordinate with Owner for on-site inspection during initial mobilization and completion of sample/mock up.

3. If the original sample is not approved, the Contractor shall revise the sample as required, at no increased cost to the Owner, until an approved sample is obtained. The approved sample shall become the standard for the entire job.
  4. The samples shall be constructed at a location that will become part of the finished work.
- D. Contractor shall submit to the Owner a notarized certificate of compliance from the galvanizer with all galvanizing and color galvanizing requirements including ASTM number and weight of coatings in ounces per square foot. Certificate of compliance shall also contain the following:
1. Sole Source Responsibility: Include statement that galvanizer accepts sole source responsibility for coatings under this Section. Galvanizer who does not accept this responsibility is not acceptable and will be rejected.
  2. Quality Assurance: Include evidence that galvanizer meets requirements of ANSI Q90.
  3. Certification of Compliance with Current Environmental Regulations: Galvanizer shall certify that coatings proposed for use comply with applicable environmental regulations. Contractor and galvanizer shall be responsible for penalties assessed by governmental or environmental authorities for coatings that do not comply with current environmental regulations. All coatings shall be lead-free.

#### 1.05 QUALITY ASSURANCE

- A. Source Limitations: Provide products of the same kind, from a single source.
- B. Compatibility of Options: When the Contractor is given the option of selecting between 2 or more products for use on the Project, the product selected shall be compatible with products previously selected, even if previously selected products were also options.

#### 1.06 PRODUCT HANDLING AND STORAGE

- A. Stored materials shall be adequately protected against moisture by (1) stacking in such a manner as to allow a complete circulation of air under each stack, and (2) covering each stack, top and sides with a waterproof paper or membrane. Coverings shall remain in place at all times, when not working from the particular stack.

#### 1.07 EXAMINATION OF CONDITIONS

- A. The Contractor shall fully inform himself/herself of existing conditions of the site and shall be fully responsible for carrying out all work required to fully and properly execute the work of the Contract, regardless of the conditions encountered in the actual work. No claim for extra compensation or extension of time will be allowed on account of actual conditions inconsistent with those assumed.
- B. The Contractor shall be solely responsible for judging the potential need for storing materials temporarily and/or rehandling items prior to final installation.

#### 1.08 STANDARDS

- A. Except as modified by governing code and by the Contract Documents, comply with applicable provisions and recommendations of the following:
1. Standard Specifications: state of New Hampshire Standard Specifications for Highways and Bridges, latest edition.
  2. AASHTO: American Association of State Highway and Transportation Officials, latest edition.
  3. ASTM: American Society for Testing and Materials, latest edition.
  4. City of Concord Standards

## 1.09 QUALIFICATIONS

- A. Site improvement work shall be assigned to experienced and qualified subcontractors with a minimum of five (5) years experience employing experienced workmen who will work under the full-time supervision of a qualified foreman with a minimum of five (5) years of experience on projects comparable to this project. Submit references for subcontractors for approval of Owner.

## PART 2 - PRODUCTS

### 2.01 CHAIN LINK FENCE AND GATES

- A. General:
1. Chain link fence, framework and fittings shall be in accordance with AASHTO M181.
  2. The manufacturer shall supply a notarized certification that all materials used have been tested and fully comply with the specifications specified herein.
  3. Sleeves if required for fence shall be galvanized steel pipe Schedule 40 ASTM 120 sizing as required to accommodate posts.
- B. Chain Link Fence Fabric:
1. Galvanized chain link fabric shall be No. nine (9) gauge with a uniform mesh measuring approximately two inches (2") between its parallel sides, woven out of wire which shall consist of a good commercial quality Type I, Class D, galvanized steel. The minimum breaking strength of the coated wire shall be 1100 pounds. Fabric shall be furnished with selvages knuckled on both ends.
- C. Framework:
1. Line, corner, and terminal posts, top and brace rails shall be Schedule 40 galvanized steel conforming to ASTM-120 latest requirements
- D. Top Rails:
1. All rails shall be 1-5/8" O.D. galvanized steel pipe, of twenty one foot (21') lengths joined by six-inch (6") long sleeves, rail to run continuously along top of fence.
- E. Line Posts:
1. Line posts shall be 2-3/8" O.D. galvanized steel pipe. Posts shall be of sufficient length to allow for installation to a driven depth of approximately three feet (3') below grade level and shall be spaced in the line of fence not further apart than

ten (10') feet or as shown on the Drawings. The fabric shall be fastened to the line posts by means of matching nine (9) gauge ties, maximum twelve inches (12") on center.

2. Line posts connected to brace rail shall be in concrete footing.
3. Provide galvanized steel sleeves as required, sized to accommodate posts.

F. Corner and Terminal Posts:

1. Corner and terminal posts shall be 2-3/8" galvanized steel pipe. Each post shall be of sufficient length to allow for required depth below grade level. Fabric shall be attached to the terminal post by means of tension bars and held by tension bands, maximum twelve inches (12") on center.
2. Corner posts shall be placed at every change in direction.
3. All corner and terminal posts shall be braced with galvanized steel 1-5/8" O.D. brace rail, minimum eight feet (8') long, with a diagonal 3/8" truss rod, and attachment to the first ensuing line post.
4. Stretches of fence more than 500 feet in length shall have one intermediate terminal pull post with brace rails in two directions for every 500 feet.
5. Provide galvanized steel sleeves as required, sized to accommodate posts.

G. Gates:

1. Provide double swing gate as shown on the Drawings.
2. Gate frame shall be constructed with two-inch (2") galvanized steel pipe as detailed on the Drawings or approved shop drawings.
3. Gate posts shall be 6-5/8" O.D. galvanized steel pipe.

H. Fittings:

1. All fittings including caps and other appurtenances shall be hot dip galvanized pressed steel, malleable or cast steel. Painted fittings are not acceptable.

I. Tension Wire: Tension wire shall be galvanized steel, 7 gauge, 0.177" diameter wire.

J. Concrete for footings shall be 3,000 psi 28-day concrete.

## PART 3 – EXECUTION

### 3.01 CHAIN LINK FENCE AND GATES

- A. Locate and install all corner or terminal posts and immediately adjacent line posts in concrete footings, plumb and true to line and grade and with continuous concrete mowing strip as shown on the Drawings and in accordance with approved Shop Drawings. Height of fence shall eight feet (8').
- B. Install tension wire so that it will be located 4" up from the bottom of the fabric. Stretch and install tension wire before installing the chain link fabric and attach to each post using wire ties.
- C. Fabric shall be stretched uniformly taut and as tight as possible, true to line and grade and complete in all details. Install tension bars at corners. Bands and clips to tie fabric to rails and posts shall be spaced a maximum of twelve inches on center.

- D. All corner or terminal posts shall be braced to the nearest line post with brace rails. Outside sleeve type top rail couplings shall be placed a maximum of twelve inches (12") from posts.
- E. Chain link fence shall have continuous top rails.
- F. All chain link fence fabric shall be fastened on the outside of the posts unless directed otherwise by the Owner. The fabric shall be properly stretched and securely fastened to the posts, and between posts the top and bottom of the fabric shall be fastened to the horizontal braces as specified, herein.
- G. The fabric shall be fastened to end and corner posts with tension bars and stretcher bar bands spaced at twelve-inch (12") intervals.
- H. All fabric shall be aligned so that top row of the fabric mesh is tied to the top rail every twenty four inches (24") on center and so that the bottom of the fabric mesh stands two inches (2") above the finish grade.
- I. Fabric shall be fastened to line posts, rails and braces with nine (9) gauge galvanized steel wire, spaced at twenty four inches (24") on center. Ties to be twisted.

END OF SECTION

