

169 Main Street 700 Plaza Middlesex Middletown, CT 06457 Tel: 860-343-8297 Fax: 860-343-9504 www.wright-pierce.com

DATE: April 18,	2012 ADDENDUM CONSISTS OF 18 PAGES (Including Fax Cover Sheet)						
TO:	Plan Holders						
PROJECT NAME:	Nutmeg Lane Pump Station Upgrade, Glastonbury, CT						
SUBJECT:	Addendum No. 1						
FROM:	Dennis A. Dievert, Jr., P.E.						
PROJECT NO.:	12145C						

IF MATERIAL RECEIVED IS NOT LEGIBLE, PLEASE CONTACT US AT 860-343-8297.

* REQUIRED * TO CONFIRM RECEIPT OF THIS ADDENDA, PLEASE SIGN AND FAX THIS COVER SHEET TO <b>860-343-9504</b>						
NAME:	٦	TITLE:				
NAME:	(Signature)	COMPANY:				

(Print)

#### ADDENDUM NO. 1

## ТО

## TOWN OF GLASTONBURY, CONNECTICUT BIDDING AND CONTRACT REQUIREMENTS AND SPECIFICATIONS

#### FOR

#### NUTMEG LANE PUMP STATION UPGRADE

APRIL 18, 2012



#### PREPARED BY:

## WRIGHT-PIERCE 169 Main Street 700 Plaza Middlesex Middletown, CT 06457 Telephone: (860) 343-8297 Fax: (860) 343-9504

## ADDENDUM NO. 1

# TOWN OF GLASTONBURY, CONNECTICUT

## BIDDING AND CONTRACT REQUIREMENTS AND SPECIFICATIONS

#### FOR

## NUTMEG LANE PUMP STATION UPGRADE

This addendum amends and/or supplements the Bid Documents as indicated below. Only these items alter the Bid Documents; any verbal discussions or responses are hereby declared null and void. The Bidder shall indicate the receipt of all previously issued Addenda on the Proposal Form. Each holder of the Bid Documents registered with the Owner shall receive a copy of the Addendum.

#### **CLARIFICATIONS**

- 1. A non-mandatory pre-bid conference was held at the Nutmeg Lane Pump Station on Wednesday, April 11, 2012 at 10:00 AM. A copy of the sign-in sheet is included on Page 7 of 17 to Page 9 of 17 in this Addendum.
- 2. All work shall be conducted under the Town Plan and Zoning Commission Special Permit with Design Review and Wetlands Regulated Activity Permit. The local permits were approved during the design phase. These pages were not included in design documents and are included on Page 10 of 17 to Page 12 of 17 in this Addendum.
- 3. In addition to the proposed lay down area identified on Drawing C-3 of the Contract Drawings, the Contractor may also utilize a portion of the Town's Fire Training Facility property accessible from Nutmeg Lane. This shall be coordinated with the Owner and the Glastonbury Fire Department during construction.

#### **QUESTIONS AND ANSWERS**

#### Pre-Bid Conference and Site Walk (4/11/12)

#### 1. Q: Will the building permit fee for this project be waived?

A: The local building permit fees are waived (\$17 per \$1,000 of project costs) but the State of Connecticut Education fee (\$0.26 per \$1,000 of project costs) is not waived and shall be the responsibility of the contractor to pay.

## 2. Q: Where are the two upstream manholes to the Pump Station located?

A: Sewer As-Builts from 1966, showing the locations of the upstream manholes and force main route, are included on Page 15 of 17 to Page 17 of 17 in this Addendum. Please be advised that these drawings do not accurately represent current site features and shall be used for information only when establishing the contractor's bid.

#### 3. Q: What is the last day to submit questions about contract documents?

A: April 20, 2012 is the last day to submit questions.

- 4. Q: Is a back up generator required on site to maintain emergency power during construction?
  - A: Contractor is responsible for maintaining both normal and emergency standby power to the pump station at all times during construction whether it be for the existing or the new pumps. See Specifications Section 16000, Page 2, Item 1.1.F.c) and Item 1.1.D.d) for additional information.

# 5. Q: Are diesel back up pumps acceptable for bypass pumping?

A: Yes. diesel pumps will be allowed as a back-up to the primary electric bypass pump.

# 6. Q: What is the pressure in the force main?

A: The maximum pressure in the force main when the pumps are running is 15-psi. The maximum static head is approximately 8-psi.

# Kovacs Construction Corporation RFI #1 (April 16, 2012)

- 7. Q: In the period of time between when the existing generator building is demolished and the new generator is started up, do we need to provide a temporary electrical generator for back-up power to the existing pumps?
  - A: Contractor is responsible for maintaining both normal and emergency standby power to the pump station at all times during construction whether it be for the existing or the new pumps. See Specifications Section 16000, Page 2, Item 1.1.F.c) and Item 1.1.D.d) for additional information.

# 8. Q: Has the existing generator building been checked for hazardous material?

A: No. The project shall be bid assuming no hazardous material. Prior to the issuance of the Notice to Proceed, the Owner will conduct a survey on the existing building materials and any required abatement will be dealt with through a change order per the contract General Conditions.

# 9. Q: Are there any existing borings on the site?

A: There are no existing boring available but there is some information of the soils on the profile drawings of the incoming sewers included in this addendum.

# 10. Q: Will the Town of Glastonbury charge building permit fees on the project?

A: The local building permit fees are waived (\$17 per \$1,000 of project costs) but the State of Connecticut Education fee (\$0.26 per \$1,000 of project costs) is not waived and shall be the responsibility of the contractor to pay.

# 11. Q: Is there any specification on the landscaping materials?

A: Landscaping is limited to the planting of four (4) 6-foot tall arborvitae shrubs and restoration of existing grassed areas disturbed during construction via reseeding. Arborvitae shrubs are shown on Drawing C-3 and detailed on Drawing C-4. Revegetation measures are provided in Note 10 on Drawing C-5.

# 12. Q: How long is the existing force main?

A: The existing force main is approximately 500-feet long. Sewer As-Builts from 1966, showing the locations of the upstream manholes and force main route, are included on Page 15 of 17 to Page 17 of 17 in this Addendum. Please be advised that these

drawings do not accurately represent current site features and shall be used for information only when establishing the contractor's bid.

# The Associated Construction Company RFI #1 (April 17, 2012)

- 13. Q: The Chromalox model name given in the Electric Unit Heater Schedule (Chromalox LUH-02-81-34) does not meet the requirements mentioned in the written part of the spec (section 15766A, "Washdown Electric Unit Heaters"). The Chromalox LUH model series unit heaters are NOT wash down. If they want "WASH DOWN", instead they need model "HD3D-300" for 3 kW or HD3D-200 for 2 kW. Please specify power supply available (208v, single phase still ?). Please advise.
  - A: The model provided in the Electric Unit Heater Schedule is correct. Specifications Section 15766A has been replaced with Section 15766 in this addendum.

# Delray RFI #1 (April 18, 2012)

- 14. Q: Do you have an exact location on the northernmost sewer manhole ands how far from the wetwell it is?
  - A: Sewer As-Builts from 1966, showing the locations of the upstream manholes and force main route, are included on Page 15 of 17 to Page 17 of 17 in this Addendum. Please be advised that these drawings do not accurately represent current site features and shall be used for information only when establishing the contractor's bid.
- 15. Q: How long is the existing force main and is it 8"?
  - A: See response above.
- 16. Q: Please verify the rebar needed in the 8" slab on grade. The Sections on S-3 show a top layer but the call out says T&B, EW?
  - A: Only one layer is required.
- 17. Q: Will any rock encountered underground that needs to be removed be handled as a change order?
  - A: No ledge is anticipated to be encountered. All excavation work being conducted is located in previously excavated/disturbed areas. If ledge is encountered, it will be dealt with by a negotiated contract change order.
- 18. Q: Will the town pay for the natural gas used for generator start-up and testing?
  - A: Contractor will be responsible to pay for all natural gas used until the generator has been successfully started-up and tested.
- 19. Q: On Page 00310-6, "Code of Ethics", wants to know if the GC has reviewed. Can this be added to the Addendum, or is it too big and the GC must go to Town Hall?
  - A: The Town of Glastonbury's Code of Ethics can be viewed from the Town of Glastonbury's website (<u>www.glasct.org</u>) or from the following direct link: <u>http://www.glasct.org/Modules/ShowDocument.aspx?documentid=65</u>

- 20. Q: Door Frames: The Door Schedule for the frames seems incorrect. P-101 should be #2 and P-102 & P-103 should be a #1?
  - A: Refer to Drawing Item #1 in this addendum.

## **SPECIFICATIONS**

- 1. Table of Contents. <u>DELETE</u> Section "15766A Washdown Electric Unit Heaters" in its entirety and <u>REPLACE</u> with Section "15766 Electric Unit Heaters".
- 2. Section 00310, Page 4, Item 6. <u>CLARIFICATION</u>. <u>All</u> items listed under Item 6 shall be submitted in triplicate with the Bid.
- 3. Section 15766A, <u>DELETE</u> this section in its entirety and <u>REPLACE</u> with Section 15766 included on Page 13 of 17 to Page 14 of 17 in this Addendum.

## **DRAWINGS**

1. Drawing A-4, "Door and Frame Schedule", <u>CHANGE</u> the Frame type from "1" to "2" for Door P-101, <u>CHANGE</u> Frame Type from "2" to "1" for Door P-102 and <u>CHANGE</u> Frame Type from "2 to "1" for Door P-103.

- 2. On drawing E-4 <u>ADD</u> the following to the Notes:
  - 6. Provide a site lighting pole in the location as shown on civil drawing C-3. This shall be located at the northeast corner of the pump station and within the fenced area as shown on drawing C-3. Provide an aluminum pole and all mounting hardware which extends at least 15' from finished grade. Install the pole in concrete sonotube for a complete installation. Provide pole mounted light fixture as shown on lighting fixture schedule. Provide 12-inch sonotube to extend 4' 6" below grade with a 12 inch reveal. Install 18 inches of crushed stone below sonotube and 12 inches around the sonotube at the bottom.
- 3. On drawing E-6, Nutmeg Pump Station Modifications Plan, Electrical Room; <u>ADD</u> the following legend tag number 23 to the item located on the left side of the double door. This is to be listed in the Equipment Legend as "Emergency Generator E-stop Pushbutton" and the item listed as "not used" shall be removed.
- 4. On drawing E-6 <u>ADD</u> the following to the **Notes:** 
  - 15. Provide a 120V, 20A, single pole switch for light pole. Mount light switch next to the E-Stop push button for the Emergency Generator on the North wall of the Electrical Room. Provide 2#12 & 1#12 GND in 3/4" RGS conduit from LP-1 to light switch and extend 2#12 & 1 #12 GND, 3/4 "RGS conduit from light switch underground to light pole from LP-1, circuit #27.
- 5. On drawing E-7 ADD the following light to the Lighting Fixture Schedule:

Code: PL Type: Metal Halide Lamping: (2) 250W Mounting: Pole Mount Manufacture: Nite Brites Catalog Number: FLM250-2/SQS415G11-T24 Volts: 120V Description: Floodlight Fixture/Pole Combination. Double-250W MH FLM Flood; 6x6 Dist.; Slipfitter incl.; lamp incl; MT. Square straight 4", 15', 11Ga' 2-3/8" Tenon; with bullhorn. TOWN OF GLASTONBURY, CONNECTICUT NUTMEG LANE PUMP STATION UPGRADE GL-2012-12

ł

1

SIGN-IN-SHEET PRE-BID CONFERENCE 10:00 A.M. April 11, 2012 BIDS DUE DATE: <u>April 24, 2012</u> AT: <u>11:00 A.M.</u>

Name (please print legible)	Organization Name Mailing Address	Phone Number	Fax Number	Email	
Dennis Dievert	M-D	1.056 Ene-072 0866-852-072	1-056 EHE-078	dennis dieverteringnt-pièrre.com	6
Nicole Oumer	M-P	860-343-8297	4056-343-920H	Dicole Dumet Curryht - Precie Com	Can
Jim Martsci	The Associated Const. Co. 1010 Wethers Field Ave About CT Oberty	(000) 29(e. 4/114	(2100) 2910-72010	JAME accept Low	
Vince Young	Po Rokensky Ct	860-642-070 860-642 7994	860-642 7994	Vince e govoran	
DAN TISO	CH NUCKERSON & CO 49 Hay Len Hill RE MUNIAL TOPPING DUL CT OUTGO	200-481-0455	8mn -44 6- 0,183	& tisue chnicker som com	
	D				1

WRIGHT-PIERCE

Name (please print legible)	Organization Name Mailing Address	Phone Number	Fax Number	Email
FRED	DELAN CONTL 10 NUTMELO DUVE EULNOTON CT DO29	Blo CN Bloc	Eleo 1970 955 f	FHANRAN E DELICITY (NC, CUT
binaci		393.743-4022	303-740 1326	Vellinerarococo. com
Amely Coloral	Bachis, 10 Pumps 94 Start Huuse Ed 1202 LAH, 60	The 589-2343		andy. Colver E Edwin Fumps. Com
Jim Wasuta	Electrical Energy Systems 215 Cartain Lewis Drive Southington 27 86489		860621 3452	unagota a EESC-CT. Con
Byine	6 2	8190- 4102- 345 N	ED - 945 - 906 3	fstimuting @ delunar electricalicent
Red Amato th	Rel genato the D'Amata Contrest.	8611-533-3489	gL0-535-6370	Ellamato Taco danato con
REDNACLEY K	LARUSA RARTH BRUN 163 RESPARCH PARKUM MERUDAN CT OG450	022-522-802	029-145-202	KURTE LAROSABG. CEM
David Xenelis	.0.3	Ec82-145-098	860-349-1636	david. Yenelo@ Xenelis. rom a mile. weinzimmer@ Xenelis. com
CHEL PALE	PARANOUNT ( ONTRUCTION 41 HOURD TREE CANE M NEUTICTION CT	360 - 233 - 6335	oral ash ona	(ראובר רכייותינדבאורני ביא
Ohuck Bahubay	7.0.6	860-652-7773		Etuck. Bolubuy & Blastanbury 2

WRIGHT-PIERCE

Page 2 of 2

	5					
Email	HILE. BISI & GUASTWAULY-CT. GOV					
Fax Number	1600527771					
Phone Number	HLLL250003					
Organization Name Mailing Address	TOWN OF GASTONGUNG 2155 MAN ST OUDSTANDANG (100033					
Name (please print legible)	NILLE PUSI					



Town of Glastonbury

2155 MAIN STREET • P.O. BOX 6523 • GLASTONBURY, CONNECTICUT 06033-6523

TOWN PLAN AND ZONING COMMISSION SECTION 12 SPECIAL PERMIT WITH DESIGN REVIEW APPLICANT: DENNIS DIEVERT JR. WRIGHT-PIERCE 169 MAIN ST 700 PLAZA – 3<sup>RD</sup> FLOOR MIDDLETOWN, CT 06457

> OWNER: TOWN OF GLASTONBURY 2155 MAIN ST GLASTONBURY, CT 06033

#### FOR: 105 NUTMEG LANE – PUMP STATION

MOVED, that the Town Plan and Zoning Commission approved the application of Wright-Pierce for a Special Permit with Design Review to construct an addition to the Nutmeg Lane Pump Station – 105 Nutmeg Lane – Reserved Land, in accordance with the following plans:

"TOWN OF GLASTONBURY, CONNECTICUT NUTMEG LANE PUMP STATION UPGRADE DEMOLITION SITE PLAN WRIGHT-PIERCE 888.621.8156 <u>WWW.WRIGHT-PIERCE.COM</u> DRAWN BY ERL CHECKED BY CNP DATE 12-02-11 APPROVED BY DAD DATE 12-12-11 PROJECT NO. 12145B SCALE AS NOTED SUBMISSIONS/REVISIONS CONTRACT DRAWINGS APP'D DAD DATE 12-11 DRAWING C-2"

"TOWN OF GLASTONBURY, CONNECTICUT NUTMEG LANE PUMP STATION UPGRADE MODIFICATIONS SITE PLANS WRIGHT-PIERCE 888.621.8156 <u>WWW.WRIGHT-PIERCE.COM</u> DRAWN BY ERL CHECKED BY CNP DATE 12-02-11 APPROVED BY DAD DATE 12-12-11 PROJECT NO. 12145B SCALE AS NOTED SUBMISSIONS/REVISIONS CONTRACT DRAWINGS APP'D DAD DATE 12-11 DRAWING C-3"

"TOWN OF GLASTONBURY, CONNECTICUT NUTMEG LANE PUMP STATION UPGRADE PUMP STATION ELEVATIONS & SECTIONS WRIGHT-PIERCE 888.621.8156 <u>WWW.WRIGHT-PIERCE.COM</u> DRAWN BY JWB2 CHECKED BY DIP DATE 12-02-11 APPROVED BY RDW DATE 12-12-11 PROJECT NO. 12145B SCALE AS NOTED SUBMISSIONS/REVISIONS CONTRACT DRAWINGS APP'D DAD DATE 12-11 DRAWING A-2"

and in compliance with the following conditions:

- 1. Metal waste containers shall be provided at the site to facilitate the collection of refuse material generated from construction activities. Such material shall not be buried or burned at the site.
- 2. Installation of soil erosion and sedimentation control and stabilization measures shall be the Permittee's responsibility. Once installed these measures shall then be inspected by the Environmental Planner prior to land disturbance activities. Afterwards it then shall be the Permittee's responsibility to inspect these control measures during, and immediately following, substantial storm events and maintain and/or replace the control measures, when needed, on a regular basis until the site is vegetatively stabilized. Hay bales shall be replaced every 60 days. The Environmental Planner is hereby authorized to require additional soil erosion and sediment controls and stabilization measures to address situations that arise on the site.
- 3. The vinyl siding shall be grey with white trim.

APPROVED: TOWN PLAN & ZONING COMMISSION FEBRUARY 7, 2012

Cleans PATRICIA V. LOW, ACTING CHAIRMAN



Town of Glastonbury

2155 MAIN STREET • P.O. BOX 6523 • GLASTONBURY, CONNECTICUT 06033-6523

January 19, 2012

Michael J. Bisi, Sanitation Superintendent Town of Glastonbury 2155 Main Street Glastonbury, Connecticut 06033

# RE: Approved Wetlands Regulated Activity at Sanitary Sewer Pump Station Facility west of Nutmeg Lane's terminus

Dear Mike:

Pursuant to Section 4.(C).(2) of Public Act 96-157 you are hereby approved to conduct your construction activities associated with various pump station upgrades within the wetlands' upland review area at the above referenced sanitary sewer pump station, as represented by the 4-sheet set of plans dated December 2011 and revised 1/13/2012 submitted to our office. This approval is contingent upon your responsibility:

- 1. to publish this approval (one time) in a newspaper that circulates in Glastonbury within 10 days of the date of this approval letter to you;
- 2. to await a 15-day appeal period (15 days from the date of newspaper publication) before beginning the work within the upland review area; and
- 3. to implement (and maintain until disturbed areas are permanently stabilized) the soil erosion and sediment control measures identified within the plans, especially with regard to sediment controls for any dewatering operations during excavations.

Failure to comply with these requirements will automatically nullify this approval.

Attached for your consideration and potential use is a draft public notice advertisement that needs to be published once by you in a newspaper which circulates in Glastonbury.

Please call 652-7511 to advise us when the notice is to appear and in what newspaper, or if you have any questions.

Sincerely,

Tom Morko

Thomas Mocko Environmental Planner

cc: Dennis Dievert Jr., Wright-Pierce Kenith E. Leslie, Community Development Director Daniel A. Pennington, Town Engineer/Manager of Physical Services

# **SECTION 15766**

## ELECTRIC UNIT HEATERS

#### PART 1 - GENERAL

#### 1.1 DESCRIPTION

- A. Work Included: Furnish and install electric unit heaters as shown on the Drawings and as specified except electric wiring.
- B. Related Work Specified Elsewhere:
  - 1. Mechanical is specified in the appropriate Sections of this Division.
  - 2. Electrical wiring is specified in Division 16.
- C. Other Trades: Cooperate with other trades whose work is to be coordinated with electric unit heaters.

## 1.2 QUALITY ASSURANCE

- A. Standards and Codes:
  - 1. Underwriters' Laboratories, Inc.
  - 2. National Electric Code.
- B. Acceptable Manufacturers:
  - 1. Markel.
  - 2. Chromalox.
  - 3. Trane Co.
  - 4. Berko.
  - 5. Or approved equal.

#### 1.3 <u>SUBMITTALS TO THE ENGINEER</u>

A. Submit shop drawings, manufacturer's literature, maintenance data and operating instructions as specified in the General Conditions of the Construction Contract.

#### 1.4 DELIVERY, STORAGE AND HANDLING

- A. Deliver in manufacturer's unopened containers as job progress requires.
- B. Storage: Store in unopened containers in a weathertight building.
- C. Handling: Exercise care when handling heaters to prevent damage of any nature.

## PART 2 - PRODUCTS

#### 2.1 <u>MATERIALS</u>

- A. Heaters:
  - 1. Capacities as shown on the Drawings.
  - 2. Mounting accessories as shown on the Drawings.
  - 3. Individually adjustable discharge louvers.
  - 4. Fin tube metal sheathed, steel or cast aluminum heating elements.
  - 5. Automatic reset thermal overheat protection.
  - 6. Totally enclosed continuous fan-duty type fan motor with built-in thermal overload protection.

- 7. Aluminum, propeller-type fan.
- 8. Steel cabinet with standard finish.
- 9. Magnetic contactor mounted and wired in cabinet.
- 10. Fused control transformer when required for thermostat or fan operation.
- 11. Wall thermostat.

# PART 3 - EXECUTION

#### 3.1 <u>INSTALLATION</u>

A. Install using manufacturer's recommendations and as shown on the Drawings.

## 3.2 ADJUSTING AND CLEANING

A. Adjust operation and clean to the satisfaction of the Engineer.

## END OF SECTION





