



Memorandum

DATE: January 6, 2012

ATTENTION: All Potential Bidders

DISTRIBUTION: Lon Hultgren, Eric Ohlund, ConnDOT

PREPARED BY: Shawn Bearce T: 203-630-1406 Ext.: 4243

EMAIL: sbearce@blcompanies.com

PROJECT NAME: SP No. 77-223 Route 195 (Storrs Road) Improvements and SP No. 77-227 Dog Lane Improvements PROJECT NUMBER: 08C3079 & 08C3079-B

SUBJECT: Addendum No. 2

ADDENDUM NO. 2 Items:

1. **Action Item:** Revised Bid Opening Date.

Description: The Bid Opening Date has been revised from January 10, 2012 to January 13, 2012 at 11:00 a.m.

2. **Action Item:** Revised Time of Completion

Description: In State Project No. 77-227 (Dog Lane Improvements), the Time of Completion associated with all work relating to the installation of the proposed telephone/cable facilities specified for Dog Lane has been revised to be March 7, 2012. The Time of Completion associated with all work relating to the installation of the proposed water main specified for Dog Lane remains February 22, 2012. Associated Liquidated Damages, to be applied at a rate of \$2,000 per day, shall remain in effect.

3. **Action Item:** Revised Winter Shutdown Period

Description: Specific language has been added to clarify that there will be a Winter Shutdown period beginning December 1, 2012 through March 31, 2013. The Winter Shutdown period has been removed for the current construction season (December 1, 2011 through March 31, 2012).

4. **Action Item:** Added New Pay Item and Special Provision relating to Asbestos Pipe Removal.

Description: In State Project No. 77-227 (Dog Lane Improvements), added Item No. 0101016A – Asbestos Pipe Removal and associated Special Provision for work related to potential existing transite/asbestos-containing storm pipe evident within the project limits.

ARCHITECTURE
ENGINEERING
PLANNING
LANDSCAPE ARCHITECTURE
LAND SURVEYING
ENVIRONMENTAL SCIENCES

355 Research Parkway
Meriden, Connecticut
06450

800.301.3077 T
203.630.1406 T
203.630.2615 F

blcompanies.com



ADDENDUM NO. 2 List of Drawing Revisions:

- **Drawing No. DRN-4:** *Construction notes added to identify location of possible transite/asbestos-containing storm pipe.*
- **Drawing No. DRN-5:** *Construction notes added to identify location of possible transite/asbestos-containing storm pipe.*

ADDENDUM NO. 2 List of Front-End Contract Document Revisions:

- **Notice To Contractors:** *Revised Bid Opening Date on Advertisement (Page 2 of Contract Documents)*
- **Table of Contents:** *Added Special Provision for new Pay Item No. 0101016A – Asbestos Pipe Removal under Index to Special Provisions (Pages 7 and 48 of Contract Documents)*
- **Information For Bidders:** Revised Bid Opening Date in Article 1 – Receipt and Opening of Bids (Page 11 of Contract Documents)
- **Information For Bidders:** Revised Time of Completion date related to installation of proposed telephone/cable facilities specified for Dog Lane in Article 7 – Time of Completion, Liquidated Damages. (Page 12 of Contract Documents)
- **Bid Form/Proposal:** Revised Time of Completion date related to installation of proposed telephone/cable facilities specified for Dog Lane in 3rd paragraph. (Page 18 of Contract Documents)
- **Bid Tabulation Form (State Project No. 77-227):** Added New Pay Item No. 0101016A – Asbestos Pipe Removal. (Page B16 of Contract Documents)
- **Contract Agreement:** Revised Time of Completion date related to installation of proposed telephone/cable facilities specified for Dog Lane in 2nd paragraph. (Pages 21-22 of Contract Documents)
- **Notice To Proceed:** Revised Time of Completion date related to installation of proposed telephone/cable facilities specified for Dog Lane in 1st paragraph. (Page 27B of Contract Documents)
- **Special Conditions:** Revised Time of Completion date related to installation of proposed telephone/cable facilities specified for Dog Lane in Article 16 – Time of Completion. (Page 46 of Contract Documents)



ADDENDUM NO. 2 List of Special Provisions Revisions:

- **Item No. 0101016A – Asbestos Pipe Removal:** *Added*
- **Section 1.08 – Prosecution and Progress:** *Revised to clarify that there will be a Winter Shutdown period beginning December 1, 2012 through March 31, 2013. The Winter Shutdown period has been removed for the current construction season (December 1, 2011 through March 31, 2012).*

ADDENDUM NO. 2 List of Pay Item Revisions:

- **Item No. 0101016A – Asbestos Pipe Removal:**
New Pay Item
Unit: LF Quantity: 120

TOWN OF MANSFIELD
AUDREY P. BECK BUILDING
4 SOUTH EAGLEVILLE ROAD
MANSFIELD, CONNECTICUT 06268
Office of the Town Manager

NOTICE TO CONTRACTORS

Sealed bids for the construction of the following project will be received by the Town of Mansfield, Connecticut at the Office of the Director of Finance, 4 South Eagleville Road, Mansfield, CT 06268 until 11:00 a.m., January 13, 2012, at which time they will be publicly opened and read.

STATE PROJECT NO. 77-223
STORRS ROAD (ROUTE 195) IMPROVEMENTS

STATE PROJECT NO. 77-227
DOG LANE IMPROVEMENTS

The Town of Mansfield hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids in response to this invitation, and they will not be discriminated against on the grounds of race, color, national origin or sex, in consideration for an award.

Plans, specifications and proposals for the above project may be examined in the Engineering Office of the Town of Mansfield, Town Office Building, 4 South Eagleville Road, Mansfield, CT 06268.

The minimum rates to be paid labor of the various classifications shall be in accordance with the current schedule of wages established by the Federal and State Departments of Labor as provided in the General Statutes of Connecticut, as revised.

Copies of the Contract Documents may be obtained for a Two Hundred Dollar (\$200.00) nonrefundable deposit for each set so obtained. Plans are available at COP-EZE, 355 Research Parkway, First Floor, Meriden, Connecticut, 06450, between the hours of 9:00 AM and 4:00 PM on regular workdays, beginning December 19, 2011. The phone number for COPEZE is 203-630-2671 and the email address is email@copeze.com.

An optional Pre-Bid Conference will be held at 10 Dog Lane, Mansfield, CT 06268. Please meet in the Conference Room located on the 2nd floor at 11:00 a.m., Wednesday, December 28, 2011. Bidders are requested to attend the Pre-Bid Conference and sign the attendance sheet to confirm their attendance.

All bidders are required to inform themselves fully of the conditions relating to the construction and labor under which the work will be or is now being performed and the contractor shall employ, as far as possible, such methods and means in the carrying out of this work cause interruption or interference with any other contractor.

NOTE: Surety Company Bond on form furnished by the Town of Mansfield for at least 10% of the amount of the bid must accompany each proposal. The Town of Mansfield reserves the right to reject any and all bids or to waive any defect, irregularities in the bidding. Surety Company shall be on the Federal Treasury Index List.

NOTE: The bidder agrees that no less than 10% (as certified by the Connecticut Department of Transportation) of the awarded contract value shall be performed by the disadvantaged business enterprises (DBE) as approved subcontractor or owner-operator of construction equipment. The

successful bidder must indicate the disadvantaged business enterprise(s) it intends to utilize to achieve the above stated percentage prior to the award of the contract.

For additional information, contact Lon Hultgren, Mansfield Department of Public Works, at (860) 429-3332 or by email at HultgrenLR@MansfieldCT.org.

TABLE OF CONTENTS

	<u>PAGE</u>
INFORMATION TO BIDDERS	
1. Receipt and Opening of Bids	11
2. Pre-Bid Conference	11
3. Preparation of Bid	11
4. Method of Bidding	12
5. Qualification and Experience of Bidder	12
6. Bid Security	12
7. Time of Completion, Liquidated Damages	12
8. Base Bid and Additive Alternate Bids	13
9. Conditions of Work	14
10. Addenda and Interpretations	14
11. Acceptance and Rejection of Bids; Award of Contract	14
12. Security for Faithful Performance	14
13. Power of Attorney	15
14. Contractor's Indemnity	15
15. Insurance Requirements	15
16. Notice of Special Conditions	16
17. Laws and Regulations	16
18. Obligation of Bidder	16
19. Notice of Federal Funds	16
20. Non-Collusion Affidavit	17
21. CHRO Form	17
Non-Collusion Affidavit Form	17A
CHRO Form	FS1-FS5
Bid Form/Proposal	18 - 19
STATE PROJECT NO. 77-223 BASE BID FORM	B1-B13
STATE PROJECT NO. 77-223 ADDITIVE ALTERNATE NO. 1 BID FORM	B14
STATE PROJECT NO. 77-223 ADDITIVE ALTERNATE NO. 2 BID FORM	B15
STATE PROJECT NO. 77-227 BASE BID FORM	B16-B26
STATE PROJECT NO. 77-227 ADDITIVE ALTERNATE NO. 1 BID FORM	B27
BID TABULATION FORM SUMMARY	B28
BID BOND	20
CONTRACT AGREEMENT	21
Exhibit I (Contractor's Indemnification)	23
PERFORMANCE BOND	24
LABOR AND MATERIAL PAYMENT BOND	26
FORM AU-766 GUARANTEE BOND	26A
Notice of Award	27A
Notice to Proceed	27B
GENERAL CONDITIONS	
1. Contract and Contract Documents	28
2. Definitions	28
3. Materials, Services and Facilities	28

	<u>PAGE</u>
4. Contractor’s Title to Material	28
5. Inspection and Testing of Materials	28
6. “Or Equal” Clause	29
7. Patents	29
8. Surveys, Permits and Regulations	29
9. Contractor’s Obligations	30
10. Weather Conditions	30
11. Protection of Work and Property - Emergency	30
12. Reports, Records and Data	30
13. Superintendence by Contractor	31
14. Changes in Work	31
15. Extras	31
16. Time for Completion and Liquidated Damages	31
17. Correction of Work	32
18. Conditions Found Different	33
19. Claims for Extra Costs	33
20. Right of the Owner to Terminate Contract	33
21. Construction Schedule	34
22. Payment to Contractor	34
23. Acceptance of Payment as Release	34
24. Contractor’s Insurance	34
25. Contract Security	35
26. Assignments	35
27. Subcontracting	35
28. Department of Public Works Authority	35
29. Quantities of Estimate	36
30. Conflicting Conditions	36
31. Notice and Service Thereof	36
32. Required Provisions Deemed Inserted	36
33. Safety and Health Regulations for Construction	36
34. Suspension of Work	37
35. Equal Opportunity Provisions	37
Certification of Nonsegregated Facilities	38
36. Anti-Kick Back Povisions	39
37. Application for Payment	39
38. Measurement and Payment	39
39. Submittals	39
40. Shop Drawings	39
41. Samples	40
42. Closeout Procedures	40
43. Project Record Documents	40
44. Cleaning Up	40
45. Anticipated Source of Material	41
46. Supplemental Specifications to the Standard Specifications	41
47. Public Assignment	41
Anticipated Source of Materials Form CON-83	
State of Connecticut – Certificate of Compliance CGS 31-57b	
Contractors Proposed Progress Chart	
Contract Status – CON100M Form	
Affirmative Action Program Certification	

Certificate of Insurance Form CON-32
DBE Participation Approval Request

SPECIAL CONDITIONS

1. to 7.	42-44
8. to 14.	45
15. to 19.	46
20. to 21.	47
Davis-Bacon Wage Rates	WR1-7
State of CT Prevailing Wage Rates	
State Project No. 77-223	WR8-20
State Project No. 77-227	WR21-33
Notice to Contractor: Connecticut Department of Transportation Form 816	
Notice to Contractor: Contract Duration	
Notice to Contractor: Code of Ethics	
Notice to Contractor: Gift Certification Disclosure	
Notice to Contractor: Campaign Contribution Certification	
Notice to Contractor: Affidavit Regarding Consulting Agreements	
Notice to Contractor: Ethics Summary	
Notice to Contractor: Contractor Training Requirement For 10-Hour OSHA Construction Safety and Health Course	
Notice to Contractor: Procurement of Materials	
Notice to Contractor: Utility Specifications	
Notice to Contractor: Requirements of Title 49, Code of Federal Regulations Part 26	
Notice to Contractor: Bid Rigging and/or Frauds	
Notice to Contractor: Connecticut Department of Transportation Disclaimer	
Notice to Contractor: Vehicle Emissions	
Notice to Contractor: Superpave Design Level Information	
Notice to Contractor: Section 4.06 and M.04 Mix Designation Equivalency	
Notice to Contractor: Traffic Drums and Traffic Cones	
Notice to Contractor: NCHRP 350 Req. for Work Zone Traffic Control Devices	
Notice to Contractor: Permits and Utility Shutdown	
Notice to Contractor: Traffic Signals	
Notice to Contractor: Use of State Police Officers	
Notice to Contractor: Tree Protection – Large (48 inch Oak tree)	
Notice to Contractor: Environmental Investigations	
Notice to Contractor: Project Sign – Department of Economic & Community Development	

Index to Special Provisions

Schedule 1	Disadvantaged Business Enterprises For Federal Funded Projects
Schedule 4	Policy No. F&A-30
Schedule 5	General Letter No. 97-1
Schedule 6	Policy No. F&A-10
Schedule 7	Governmental Agency Exemption Certificate
Schedule 8	Title VI Contractor Assurances
Schedule 9	Disclosure of Lobbying Activities
Schedule 10	Supplementary Program Information
Section 1.03	Award and Execution of Contract
Section 1.05	Control of the Work

Section 1.06	Control of Materials
Section 1.07	Legal Relations and Responsibilities
Section 1.08	Prosecution and Progress
Section 4.06	Bituminous Concrete
Section M.04	Bituminous Concrete
Section 6.03	Structural Steel
Section M.06	Metals
Section 10.00	General Clauses for Highway Illumination and Traffic Signal Projects
Section 12.08	Sign Face – Sheet Aluminum
0100247A	Decorative Street Sign and Post
0101000A	Environmental Health and Safety
0101016A	Asbestos Pipe Removal
0101104A	Environmental Compliance
0101117A	Controlled Materials Handling
0101128A	Securing, Construction and Dismantling of a WSA
0201001A	Clearing and Grubbing
0201012A	Removal of Trees
0202315A	Disposal of Controlled Material
0202318A	Management of Reusable Controlled Material
0202452A	Test Pit
0202531A	Removal of Bituminous Concrete
0202640A	2” Monitoring Well Abandonment
0219011A	Sediment Control System at Catch Basin
0406170A	HMA S1.0 Inch (see Section 4.06 and Section M.04)
0406172A	HMA S0.375 Inch (see Section 4.06 and Section M.04)
0406285A	Fine Milling of Hot Mix Asphalt (HMA) (0” to 4”)
0606001A	Field Stone Retaining Wall
0812149A	12” Flush Granite Stone Curbing
0812150A	12” Flush Granite Curved Stone Curbing
0901005A	Bollard
0915000A	Tree Protection
0921001A	Concrete Sidewalk
0921011A	Colored Concrete Pavement
0921030A	Decorative Concrete Pavement
0811016A	Mountable Decorative Concrete Median
0922003A	Decorative Bituminous Concrete
0922304A	Temporary Bituminous Concrete Sidewalk
0924002A	Concrete Driveway Ramp
0947003A	Bus Shelter
0950005A	Turf Establishment
0951002A	Tree Grate System
0951021A	Roadside Tree Box Filter System
0969060A	Construction Field Office Small
0970007A	Trafficperson (Uniformed Flagger)
0971001A	Maintenance and Protection of Traffic
0979003A	Construction Barricade Type III
0980001A	Construction Staking
0992090A	Bench
0992103A	Trash Receptacle
0992122A	Parking Meter
1002007A	Type A1 Decorative Light (Lamp & Pole)

1002008A	Type A2 Decorative Light (Lamp & Pole)
1002009A	Relocation of Existing Luminaire
1002110A	Decorative Light Base (Storrs Road)
1002110A	Decorative Light Base (Dog Lane)
1002120A	In-Ground Uplight (With Lamp)
1002202A	Traffic Control Foundation – Mast Arm
1002203A	Traffic Control Foundation - Pedestal - Type I
1008100A	Service Riser
1008150A	4” PVC Duct Bank – 2 Ducts
1008151A	4” PVC Duct Bank – 4 Ducts
1008152A	4” PVC Duct Bank – 6 Ducts
1008153A	4” PVC Duct Bank – 8 Ducts
1008154A	4” PVC Duct Bank – 10 Ducts
1008155A	4” PVC Duct Bank – 12 Ducts
1008160A	5” PVC Duct Bank – 2 Ducts
1008163A	5” PVC Duct Bank – 8 Ducts
1010001A	Concrete Handhole
1010021A	Concrete Handhole Type II
1010052A	Cast Iron Handhole Cover
1010054A	Cast Iron Handhole Cover Type II
1015047A	Electric Manhole
1017001A	Power Pedestal
1102048A	8’ Ornamental Aluminum Pedestal
1104028A	30’ Steel Mast Arm Assembly
1104031A	35’ Steel Mast Arm Assembly
1104999A	Ornamental Base
1105101A	1 Way 1 Section Mast Arm Traffic Signal
1105103A	1 Way 3 Section Mast Arm Traffic Signal
1106001A	1 Way Pedestrian Signal Pole Mounted
1106003A	1 Way Pedestrian Signal Pedestal Mounted
1107011A	Accessible Pedestrian Signal and Detector (Type A)
1108115A	Full Actuated Controller 8 Phase
1111401A	Loop Vehicle Detector
1111451A	Loop Detector Saw Cut
1118012A	Removal and/or Relocation of Traffic Signal Equipment
1118051A	Temporary Signalization (Site No. 1)
1118052A	Temporary Signalization (Site No. 2)
1205047A	Street Name Sign
1206023A	Removal and Relocation of Existing Signs
1220011A	Construction Signs - Type III Reflecting Sheeting
1300014A	Trench Excavation 0’-10’ Deep (Utilities)
1300015A	Rock-in-Trench Excavation 0’-10’ Deep (Utilities)
1301081A	6” Ductile Iron Pipe (Water)
1301083A	10” Ductile Iron Pipe (Water)
1301084A	12” Ductile Iron Pipe (Water)
1301880A	Miscellaneous Fittings (Water Main)
1302003A	6” Gate Valve
1302005A	10” Gate Valve
1302006A	12” Gate Valve
1302159A	12” Cap (Water Main)
1302901A	Air Relief Valve (Water Main)

1302912A	Low Point Blow-off
1303204A	Fire Hydrant Assembly
1303396A	Service Connection (Water Main)
1304124A	Thrust Block/Joint Restraint
1307001A	Bedding Material (Water Main)
1400102A	8" Polyvinyl Chloride Pipe (Sanitary Sewer)
1400103A	10" Polyvinyl Chloride Pipe (Sanitary Sewer)
1401643A	6" Polyvinyl Chloride Lateral (Sanitary Sewer)
1403001A	Manhole (Sanitary Sewer)
1403007A	Special Sanitary Manhole
1403501A	Reset Manhole (Sanitary Sewer)
1404110A	1,000 HS-20 Gallon Grease Trap
1405103A	Bedding Material (Sanitary Sewer)
1500210A	Reset Manhole (Telephone)
1700001A	Service Connections (Estimated Cost)

Federal and State Required Contract Provisions

Form PR-1273 Federal Aid Construction Contracts

Substitution of Securities for Retainages on State Contracts & Subcontracts

Nondiscrimination

Nondiscrimination (Sexual Orientation)

Residents' Preference in Work on Other Public Facilities

Construction, Alteration or Repair of Public Works Projects by the State or Political Subdivision

Limitation on Awarding of Contracts

Rate of Wages for Work on State Highways

Annual Adjustments to Prevailing Wages

Awarding of Contracts to Occupational Safety and Health Law Violations Prohibited

Construction Safety and Health Standards

Services of Process

Americans with Disabilities Act of 1990

Executive Order No. Three

Executive Order 7C

Executive Order 14

Executive Order No. 16/Violence in the Workplace Prevention

Executive Order No. 17/Listing All Employment Openings with the Connecticut State
Employment Service

Executive Order 18

Connecticut Required Contract/Agreement Provisions

Affirmative Action Requirements A(76)

Privatized Public Records

Oversight of Large State Contracts

Construction Safety and Health Course

Civil Rights Revisions-Title VI Contractor Assurance

Standard Federal Equal Employment Opportunity Construction Specification (Executive Order 111246)

Contractor's Exempt Purchase Certificate

Executive Order No. Three

Executive Order No. 14

Executive Order No. 16

Executive Order No. Seventeen

Executive Order No. 17

Executive Order No. 18

Connecticut Required Contract/Agreement Provisions Specific Equal Employment
Opportunity Responsibilities

ConnDOT Supplemental Specifications Form816 (July 2010)

INFORMATION FOR BIDDERS

1. Receipt and Opening of Bids

The Town of Mansfield (herein called "Town"), invites sealed bids on the form attached hereto. All blanks must be appropriately filled in. Proposals will be received by the Town at the Office of the Director of Finance until 11:00 a.m., January 13, 2012 and then will be publicly opened and read aloud. The envelopes containing each bid must be sealed, addressed to the Director of Finance at the Audrey P. Beck Municipal Building, 4 South Eagleville Road, Storrs, CT, and be designated as a proposal for the Storrs Road (Route 195) Improvements and Dog Lane Improvements. The Town may consider informal any bid not prepared and submitted in accordance with the provisions hereof and may waive any informalities or reject any and all bids.

Any bid may be withdrawn at any time prior to the time fixed in the published notice for the opening of bids only by written request for the withdrawal of the bid filed with the Director of Finance. The request shall be executed by the bidder or his duly authorized representative. The withdrawal of a bid does not prejudice the right of the bid to file a new bid. Whether or not the bids are opened exactly at the time fixed in the published notice for the opening of bids, a bid will not be received after that time, nor may any bids be withdrawn within sixty (60) days after the time fixed in the published notice for the opening of bids.

Neither the bid form or proposal nor any other portion of this book shall be detached therefrom.

2. Pre-Bid Conference

An optional Pre-Bid Conference will be held at 10 Dog Lane, Mansfield, CT 06268. Please meet in the Conference Room located on the 2nd floor at 11:00 a.m., Wednesday, December 28, 2011. Bidders are requested to attend the Pre-Bid Conference and sign the attendance sheet to confirm their attendance.

3. Preparation of Bid

Each bid must be submitted on the prescribed form (attached hereto) and all blank spaces for prices must be filled in, in ink or typewritten, in both words and figures. All pages in this set of contract documents shall remain intact and all bids shall be submitted complete with all pages attached hereto.

Each bid must be submitted in a sealed envelope bearing on the outside the name of the bidder, his address, and the name of the project for which the proposal is submitted. If forwarded by mail, the sealed envelope containing the bid must be enclosed in another envelope addressed as specified in the bid form.

Any unauthorized condition, limitations, or provisions attached to a bid will be likely to render it informal and may cause its rejection. Alteration of the bid unit prices or amounts by erasure or interlineations must be explained, or noted, in the proposal over the signature of the bidder. If the bid is made by an individual, it must be signed by the full name of the bidder whose address must be given; if it is made by a firm, it must be signed with the co-partnership name by a member of the firm, and the name and full address of each member must be given; and if it is made by a corporation, it must be signed by an officer in the corporate name and the corporate seal must be attached to such signature.

4. Method of Bidding

The Town invites the following bid

State Project No. 77-223 Storrs Road (Route 195) Improvements
and State Project No. 77-227 Dog Lane Improvements

5. Qualifications and Experience of Bidder

Bidders must present satisfactory evidence that they are fully prepared with the necessary experience, capital, machinery and material to furnish the articles called for and to conduct the work as required by the specifications.

The Town may make such investigations as deemed necessary to determine the ability of the bidder to perform the work, and the bidder shall furnish for the Town all such information and data for this purpose as the Town may request. The Town reserves the right to reject any bid if the evidence submitted by, or investigation of, or the Town's previous experience with, such bidder fails to satisfy the Town that such bidder is properly qualified to carry out the obligations of the contract and to satisfactorily complete the work contemplated therein. Conditional bids will not be accepted.

6. Bid Security

Each bid must be accompanied by bid bond or certified check of the bidder in the amount of ten percent of the Base bid. Such bond or check will be returned to all except the three lowest bidders within three days after the opening of bids, and the remaining cash or checks will be returned promptly after the Town and the accepted bidder have executed the contract, or if no award has been made within 60 days of the opening of bids upon demand of the bidder at any time thereafter, so long as he has not been notified of the acceptance of his bid. Surety Company shall be on the Federal Treasury Index List.

The successful bidder, upon his failure or refusal to execute and deliver the contract and bonds required within 10 days after he has received notice of the acceptance of his bid, shall forfeit to the Town as liquidated damages for such failure or refusal, the security deposited with his bid.

7. Time of Completion, Liquidated Damages

Bidder must agree to commence work within 15 days of a date to be specified in a written notice to proceed and to fully complete State Project No. 77-227 prior to the one hundred fifty (150) calendar days completion date for that project. Bidder must agree to commence work within 15 days of a date to be specified in a written notice to proceed and to fully complete State Project No. 77-223 prior to the two hundred forty (240) calendar days completion date for that project. The Bidder must agree also to pay as liquidated damages, the sum of \$500 for each consecutive calendar day beyond the aforementioned days (refer also to Section 1.08 Prosecution and Progress in the Special Provisions) as hereinafter provided in the General Conditions.

Additionally, for State Project No. 77-227, an assessment per day for liquidated damages, at a rate of \$2,000 per day shall also be applied to each calendar day beyond February 22, 2012 that the water (from approximate Sta. 61+80 to 65+75) facilities specified herein for Dog Lane are not completed. Also, for State Project No. 77-227, an assessment per day for liquidated damages, at a rate of \$2,000 per day shall also be applied to each calendar day beyond March 7, 2012 that the telephone/cable facilities specified herein for Dog Lane are not completed. In both instances, facilities are to be completed such that they are usable and/or available for utility company use on the date specified.

8. Base Bid and Additive Alternate Bids

Due to budgetary considerations, the bid for State Project No. 77-223, STORRS ROAD (ROUTE 195) IMPROVEMENTS is divided into a “Base Bid” and two (2) additive alternate bids as follows:

Additive Alternate No. 1 – Mansfield Road Intersection (Decorative Crosswalks)

Additive Alternate No. 2 – Parking Meters

Bidders are required to submit bids for the Total Base Bid, Additive Alternate No. 1 and Additive Alternate No. 2 on the forms provided. Bids which do not include the Base Bid and the additive alternates will be considered non-responsive and subject to rejection in their entirety. The contract will be awarded on the basis of the lowest responsive **Base Bid total for both State Project Nos. 77-223 and 77-227, not including the additive alternate bids for either project.** The total Base Bid shall be the verified Base Bid for State Project No. 77-223, Storrs Road (Route 195) Improvements plus the verified Base Bid for State Project No. 77-227, Dog Lane Improvements. Town of Mansfield reserves the right to include in the project contract, either before or after its signing or not signing, any or none of the additive alternate bids. Selected additive alternate bids will be added to the project contract within fourteen (14) days of the award of the contract and will not be added once construction of the Base Bid work has commenced.

Due to budgetary considerations, the bid for State Project No. 77-227, DOG LANE IMPROVEMENTS is divided into a “Base Bid” and one (1) additive alternate bid as follows:

Additive Alternate No. 1 – Illuminations and Trees

Bidders are required to submit bids for the Total Base Bid and Additive Alternate No. 1 on the forms provided. Bids which do not include the Base Bid and the add alternate will be considered non-responsive and subject to rejection in their entirety. The contract will be awarded on the basis of the lowest responsive **Base Bid total for both State Project Nos. 77-223 and 77-227, not including the additive alternate bids for either project.** The total Base Bid shall be the verified Base Bid for State Project No. 77-223, Storrs Road (Route 195) Improvements plus the verified Base Bid for State Project No. 77-227, Dog Lane Improvements. Town of Mansfield reserves the right to include in the project contract, either before or after its signing or not signing the additive alternate bid. Selected additive alternate bids will be added to the project contract within fourteen (14) days of the award of the contract and will not be added once construction of the Base Bid work has commenced.

Any other work or general items associated with the additive alternate bids, will not be measured for payment or paid separately under the additive alternate bids. Only the items specifically included under the additive alternate bids shall be measured and paid separately in the event any or all additive alternate bids are added to the contract.

No additional calendar days will be allotted for the inclusion of any additive alternative bids, nor may any claim be filed for additional compensable or noncompensable delay due merely to the addition of an add bid item and its ramifications. All work must be completed within the number of calendar days specified in the “Contract Documents”/Agreement.

In the event of any discrepancies between this Notice to Bidders and the Information for Bidders within the Contract Documents this Notice to Bidders governs.

9. Conditions of Work

Each bidder must inform himself fully of the conditions relating to the work specified and the employment of labor thereon. Failure to do so will not relieve a successful bidder of his obligation to furnish all equipment, materials and labor necessary to carry out the provisions of his contract.

10. Addenda and Interpretations

No interpretation of the meaning of the plans, specifications or other prebid documents will be made to any bidder orally.

Every request for such interpretation should be in writing addressed to:

Director of Public Works
Audrey P. Beck Municipal Building
4 South Eagleville Road
Storrs, CT 06268

To be given consideration, each request must be received at least five days prior to the date fixed for the opening of bids. Any and all such interpretations and any supplemental instructions will be in the form of written addenda to the specifications which, if issued, will be mailed by certified mail with return receipt requested to all prospective bidders (at the respective addresses furnished for such purpose), not later than three days prior to the date fixed for the opening of bids. Failure of any bidder to receive any such addendum or interpretation shall not relieve such bidder from any obligation under this proposal as submitted. All addenda so issued shall become part of the contract documents.

11. Acceptance or Rejection of Bids; Award of Contract

No telegraphic proposal or telegraphic modification of a bid will be considered. No bid received after the advertised time of receiving bids will be considered. No bid unaccompanied by the appropriate bid surety will be considered. If the price of any item appears to be abnormally high or low, it may lead to the rejection of the proposal containing such price. The Town reserves the right to accept any bid, to waive any defects and informalities in the bids, and to reject any and all bids, or alternates.

The contract will be awarded to the responsible, duly qualified bidder submitting the lowest Base bid complying with the conditions of these contract documents. The bidder to whom the award is made will be notified at the earliest possible date. The successful bidder shall execute and deliver to the Town, within ten (10) days after notification of the award, an agreement in the form included in the contract documents, in such number as the Town may require.

12. Security for Faithful Performance

Simultaneously with his delivery of the executed contract, the successful bidder shall furnish a surety bond or bonds in the amount of one-hundred percent of the total bid price as security for the faithful performance of this contract and for the payment of all persons performing labor on the project under this contract and furnishing materials and equipment in connection with this contract, as specified in the General Conditions included herein. Surety Company shall be on the Federal Treasury Index List and shall be satisfactory to the Town.

Said bonds shall contain the full name and address of the firm or agency to whom bonds are to be returned upon release by the Town.

13. Power of Attorney

Attorneys-in-fact who sign bonds or contract bonds must file with each bond a certified and effectively dated copy of their power of attorney.

14. Contractor's Indemnity

The successful bidder shall indemnify and save harmless the Town of Mansfield and State of Connecticut according to the Contractor's Indemnification contained herein as Exhibit I and incorporated into and made a part of this agreement. Exhibit I must be signed and notarized and submitted to the Town prior to commencement of this project (agreement).

15. Insurance Requirements

The Contractor shall procure and maintain insurance against claims for injuries or losses to persons or property that are alleged to have arisen in connection with activities of the Contractor and any agents, representatives, subcontractors or employees. Insurance companies must be licensed by the State of Connecticut or otherwise acceptable to the Town. The cost of such insurance, including required endorsements or amendments, shall be the sole responsibility of the Contractor. Full disclosure of any non-standard exclusions is required for all required coverages.

The coverage indicated below at not less than the specified limits are required for this project (agreement):

- A. Comprehensive General Liability coverage naming the TOWN and STATE OF CONNECTICUT as additional insured, written on an occurrence basis: \$1,000,000 per occurrence \$2,000,000 aggregate
- B. Automobile Liability coverage, including coverage for hired or borrowed autos: \$2,000,000 per accident-combined single limit
- C. Workers' Compensation Coverage, (as per Connecticut law and custom) and employer's liability coverage \$100,000/\$500,000/\$100,000 limits or "Certificate of Solvency" issued by Connecticut Workers' Compensation Commission for self-insurers.

The required insurance form shall be certified by a duly authorized representative of the insurer(s) and incorporated into and made a part of this agreement. Properly executed certificates signifying adequate coverage in effect for the duration of the contract with renewal certificates issued not less than 30 days prior to expiration of a policy period, must be submitted with the bid on file with the Town prior to commencement of this project (agreement).

- D. Insurance as required by the State Department of Transportation shall be furnished by the Contractor to the State and Town. Both the Town of Mansfield and the State of Connecticut shall be listed as "also insureds" by name on all insurance certifications.
- E. Failure of the Contractor to maintain all required insurance in accordance with the Contract shall constitute a material breach of the Contract and shall subject the Contractor the Town's withholding liquidated damages from the Contractor in the amount of ten percent (10%) of the total Contract price, as it may be amended by construction orders, subject to the continued commercial availability of such coverage.

16. Notice of Special Conditions

Attention is particularly called to those parts of the contract documents and specifications which deal with the following:

(a) Special Conditions:

- General
- Traffic Control and Warning Signs
- Sampling, Inspection and Testing of Materials
- DOT Specifications
- Safety
- Enumeration of Plans
- Delays
- Protection of Existing Road and Facilities
- Prevailing Wage Rates
- Hurricane Protection
- Protection Against High Water and Storm
- Lights, Barriers, Watchmen and Indemnity
- Night Work
- Shoring
- Working Hours
- Time of Completion
- Private Property
- Notice to Contractor – Permits/Permit Applications
- Control of Materials
- Job Coordination Meetings
- Community Work Force Agreement – Contractor’s Participation
- Construction Traffic Coordination Meetings

17. Laws and Regulations

The bidder’s attention is directed to the fact that all applicable state laws, municipal ordinances, and the rules and regulations of all authorities having jurisdiction over the work specified herein shall apply to the contract throughout, and they will be deemed to be included in the contract the same as though herein written out in full.

18. Obligation of Bidder

At the time of the opening of bids, each bidder will be presumed to have inspected the site and to have read and to be thoroughly familiar with the specifications and contract documents (including all addenda). The failure or omission of any bidder to examine any form, instrument or document shall in no way relieve any bidder from any obligation in respect to his bid.

19. Notice of Federal Funds and Notice of “Required Contract Provisions Federal-Aid and State of Connecticut Construction Contracts

The bidder’s attention is directed to the fact that this project is funded in part by both Federal and State Funds, and as such relevant Federal and State Requirements must be adhered to. Details on these additional requirements may be found under “Required Contract Provisions Federal-Aid and State of Connecticut Construction Contracts” following the Technical Specifications section of this document.

20. Non-Collusion Affidavit

Bidder shall complete the attached non-collusion affidavit (page 17A) and return the completed form with the bid. Bids without a completed non-collusion affidavit will be considered non-responsive.

21. CHRO Form

Bidder shall complete the attached Connecticut Commission on Human Rights and Opportunities Form (pages FS1-FS5) and submit a completed and signed form with his/her bid. Bids without a completed CHRO form will be considered non-responsive.

Bid Form/Proposal

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

To the Town of Mansfield, Director of Finance, hereinafter referred to as "Town".

Gentlemen:

The Bidder, in compliance with your request for bids for the "Storrs Road (Route 195) Improvements and Dog Lane Improvements" in the Town of Mansfield, having examined the specifications with related documents and the sites of the proposed work, and being familiar with all the conditions surrounding the construction of the proposed work including the availability of materials, equipment and labor, hereby proposes to furnish all the materials, equipment, labor and supplies to accomplish the work as specified in accordance with the contract documents, within the time set forth herein, and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the contract documents, of which this proposal is a part.

Bidder hereby agrees to commence work under this contract within 15 days of a date to be specified in a written "Notice to Proceed" from the Town and to fully complete all required work for State Project No. 77-227 prior to the one hundred fifty (150) calendar days completion date for that project, as stipulated in the specification. Bidder hereby agrees to commence work under this contract within 15 days of a date to be specified in a written "Notice to Proceed" from the Town and to fully complete all required work for State Project No. 77-223 prior to the two hundred forty (240) calendar days completion date for that project, as stipulated in the specification. Bidder further agrees to pay as liquidated damages the sum of \$500 for each consecutive calendar day thereafter as hereinafter provided in the General Conditions.

In addition, for State Project No. 77-227, the Bidder hereby agrees to complete all water (from approximate Sta. 61+80 to 65+75) facilities by February 22, 2012 and to complete all telephone/cable facilities by March 7, 2012 and Bidder further agrees to pay as liquidated damages the sum of \$2,000 for each consecutive calendar day thereafter as hereinafter provided in the General Conditions.

Bidder acknowledges receipt of the following addenda:

*Insert "a corporation," or "a partnership," or "an individual," as applicable.

The above prices shall include all materials, equipment and labor, all transportation costs, overhead, profit, insurance, etc. to provide for the finished work of the kind called for. (Amounts shall be shown in both words and figures. In case of discrepancy the amount shown in words will govern.)

Bidder understands that the Town reserves the right to reject any or all bids. The Bidder agrees that this bid shall be good and may not be withdrawn for a period of 60 calendar days after the scheduled closing time for receiving proposals.

Upon receipt of written notice of the acceptance of this proposal, the Bidder will execute the formal contract attached within ten (10) days and deliver a surety bond or bonds and appropriate insurance coverage certificates as required by the General Conditions.

The bid security attached in the sum of _____ (\$_____)

is to become the property of the Town in the event the contract and bond are not executed within the time set for the above, as liquidated damages for the delay and additional expense to the Town caused thereby.

Respectfully submitted:

By _____
Name

Title

Company Name: _____

Seal
(if corporation) Address _____

Phone: _____

**STATE PROJECT NO. 77-227
 BID TABULATION FORM
 (BASE BID)**

Item No.	Item With Unit Prices Written in Words and Dollars and Cents	Engineer's Estimate of Quantity	Extended Total Written in Dollars and Cents
0101000A	"Environmental Health and Safety" at the unit (l.s.) price of _____ Dollars and _____ Cents (\$_____)	1	
0101016A	"Asbestos Pipe Removal" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$_____)	120	
0101117A	"Controlled Materials Handling" at the unit (c.y.) price of _____ Dollars and _____ Cents (\$_____)	130	
0101128A	"Securing, Construction and Dismantling of a Waste Stockpile and Treatment Area" at the unit (l.s.) price of _____ Dollars and _____ Cents (\$_____)	1	
0201001A	"Clearing and Grubbing" at the unit (l.s.) price of _____ Dollars and _____ Cents (\$_____)	1	
0201012A	"Removal of Trees" at the unit (ea.) price of _____ Dollars and _____ Cents (\$_____)	2	
0202002	"Earth Excavation" at the unit (c.y.) price of _____ Dollars and _____ Cents (\$_____)	1056	
0202101	"Rock Excavation" at the unit (c.y.) price of _____ Dollars and _____ Cents (\$_____)	158	
0202315A	"Disposal of Controlled Materials" at the unit (ton) price of _____ Dollars and _____ Cents (\$_____)	100	
0202318A	"Management of Reusable Controlled Materials" at the unit (c.y.) price of _____ Dollars and _____ Cents (\$_____)	130	
0202452A	"Test Pit" at the unit (ea.) price of _____ Dollars and _____ Cents (\$_____)	2	
0202529	"Cut Bituminous Concrete Pavement" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$_____)	473	

**STATE PROJECT NO. 77-227
 BID TABULATION FORM
 (BASE BID)**

Item No.	Item With Unit Prices Written in Words and Dollars and Cents	Engineer's Estimate of Quantity	Extended Total Written in Dollars and Cents
0202531A	"Removal of Bituminous Concrete" at the unit (s.y.) price of _____ Dollars and _____ Cents (\$ _____)	520	
0202640A	"2" Monitoring Well Abandonment" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	2	
0205001	"Trench Excavation 0'-4' Deep" at the unit (c.y.) price of _____ Dollars and _____ Cents (\$ _____)	558	
0205002	"Rock-in-Trench Excavation 0'-4' Deep" at the unit (c.y.) price of _____ Dollars and _____ Cents (\$ _____)	14	
0205003	"Trench Excavation 0'-10' Deep" at the unit (c.y.) price of _____ Dollars and _____ Cents (\$ _____)	70	
0209001	"Formation of Subgrade" at the unit (s.y.) price of _____ Dollars and _____ Cents (\$ _____)	3148	
0212003	"Subbase" at the unit (c.y.) price of _____ Dollars and _____ Cents (\$ _____)	1119	
0219011A	"Sediment Control System at Catch Basin" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	21	
0406170A	"HMA S1" at the unit (ton) price of _____ Dollars and _____ Cents (\$ _____)	656	
0406172A	"HMA S0.375" at the unit (ton) price of _____ Dollars and _____ Cents (\$ _____)	379	
0406236	"Material For Tack Coat" at the unit (gal.) price of _____ Dollars and _____ Cents (\$ _____)	691	
0507001	"Type "C" Catch Basin" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	1	

**STATE PROJECT NO. 77-227
 BID TABULATION FORM
 (BASE BID)**

Item No.	Item With Unit Prices Written in Words and Dollars and Cents	Engineer's Estimate of Quantity	Extended Total Written in Dollars and Cents
0507026	"Type "C" Catch Basin (4' Sump)" at the unit (ea.) price of _____ Dollars and _____ Cents (\$_____)	6	
0507201	"Type "C-L" Catch Basin" at the unit (ea.) price of _____ Dollars and _____ Cents (\$_____)	1	
0507254	"Type "C" Catch Basin Double Grate – Type II" at the unit (ea.) price of _____ Dollars and _____ Cents (\$_____)	1	
0507656	"Standard Storm Manhole" at the unit (ea.) price of _____ Dollars and _____ Cents (\$_____)	2	
0651001	"Bedding Material" at the unit (c.y.) price of _____ Dollars and _____ Cents (\$_____)	176	
0651012	"15" R.C. Pipe" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$_____)	224	
0651013	"18" R.C. Pipe" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$_____)	84	
0651288	"15" High Density Polyethylene Pipe" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$_____)	308	
0651743	"6" Polyvinyl Chloride Pipe" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$_____)	464	
0703012	"Modified Riprap" at the unit (c.y.) price of _____ Dollars and _____ Cents (\$_____)	4	
0755014	"Geotextile (Separation – High Survivability" at the unit (s.y.) price of _____ Dollars and _____ Cents (\$_____)	12	
0811001	"Concrete Curbing" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$_____)	214	

**STATE PROJECT NO. 77-227
 BID TABULATION FORM
 (BASE BID)**

Item No.	Item With Unit Prices Written in Words and Dollars and Cents	Engineer's Estimate of Quantity	Extended Total Written in Dollars and Cents
0813001	"5" Granite Stone Curbing" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	1184	
0813011	"5" Granite Curved Stone Curbing" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	98	
0815001	"Bituminous Concrete Lip Curbing" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	52	
0822001	"Temporary Precast Concrete Barrier Curb" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	40	
0915000A	"Tree Protection" at the unit (l.s.) price of _____ Dollars and _____ Cents (\$ _____)	1	
0921001A	"Concrete Sidewalk" at the unit (s.f.) price of _____ Dollars and _____ Cents (\$ _____)	2034	
0921011A	"Colored Concrete Pavement" at the unit (s.f.) price of _____ Dollars and _____ Cents (\$ _____)	2623	
0921030A	"Decorative Concrete Pavement" at the unit (s.f.) price of _____ Dollars and _____ Cents (\$ _____)	1440	
0922003A	"Decorative Bituminous Concrete" at the unit (s.f.) price of _____ Dollars and _____ Cents (\$ _____)	1472	
0922304A	"Temporary Bituminous Concrete Sidewalk" at the unit (s.f.) price of _____ Dollars and _____ Cents (\$ _____)	1411	
0922500	"Bituminous Concrete Driveway (Commercial)" at the unit (s.y.) price of _____ Dollars and _____ Cents (\$ _____)	177	
0924002A	"Concrete Driveway Ramp" at the unit (s.y.) price of _____ Dollars and _____ Cents (\$ _____)	123	

**STATE PROJECT NO. 77-227
 BID TABULATION FORM
 (BASE BID)**

Item No.	Item With Unit Prices Written in Words and Dollars and Cents	Engineer's Estimate of Quantity	Extended Total Written in Dollars and Cents
0942001	"Calcium Chloride for Dust Control" at the unit (ton) price of _____ Dollars and _____ Cents (\$ _____)	5	
0943002	"Sweeping for Dust Control" at the unit (hr.) price of _____ Dollars and _____ Cents (\$ _____)	60	
0944002	"Furnishing and Placing Topsoil" at the unit (s.y.) price of _____ Dollars and _____ Cents (\$ _____)	1083	
0950005A	"Turf Establishment" at the unit (s.y.) price of _____ Dollars and _____ Cents (\$ _____)	1083	
0951002A	"Tree Grate System" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	7	
0951021A	"Roadside Tree Box Filter System" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	14	
0970007A	"Trafficperson (Uniformed Flagger)" at the unit (hr.) price of _____ Dollars and _____ Cents (\$ _____)	160	
0971001A	"Maintenance and Protection of Traffic" at the unit (l.s.) price of _____ Dollars and _____ Cents (\$ _____)	1	
0975002	"Mobilization" at the unit (l.s.) price of _____ Dollars and _____ Cents (\$ _____)	1	
0976002	"Barricade Warning Lights – High Intensity" at the unit (day) price of _____ Dollars and _____ Cents (\$ _____)	900	
0977001	"Traffic Cone" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	50	
0978002	"Traffic Drum" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	50	

**STATE PROJECT NO. 77-227
 BID TABULATION FORM
 (BASE BID)**

Item No.	Item With Unit Prices Written in Words and Dollars and Cents	Engineer's Estimate of Quantity	Extended Total Written in Dollars and Cents
0979003A	"Construction Barricade Type III" at the unit (ea.) price of _____ Dollars and _____ Cents (\$_____)	10	
0980001A	"Construction Staking" at the unit (l.s.) price of _____ Dollars and _____ Cents (\$_____)	1	
0992090A	"Bench" at the unit (ea.) price of _____ Dollars and _____ Cents (\$_____)	4	
0992103A	"Trash Receptacle" at the unit (ea.) price of _____ Dollars and _____ Cents (\$_____)	3	
1001001	"Trenching and Backfilling" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$_____)	2150	
1002009A	"Relocation of Existing Luminaire" at the unit (ea.) price of _____ Dollars and _____ Cents (\$_____)	2	
1002110A	"Decorative Light Base (Dog Lane)" at the unit (ea.) price of _____ Dollars and _____ Cents (\$_____)	26	
1002120A	"In-Ground Uplight (With Lamp)" at the unit (ea.) price of _____ Dollars and _____ Cents (\$_____)	4	
1008115	"2" Rigid Metal Conduit in Trench" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$_____)	25	
1008117	"3" Rigid Metal Conduit in Trench" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$_____)	155	
1008124	"1" Polyvinyl Chloride Conduit in Trench" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$_____)	105	
1008127	"2" Polyvinyl Chloride Conduit in Trench" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$_____)	1110	

**STATE PROJECT NO. 77-227
 BID TABULATION FORM
 (BASE BID)**

Item No.	Item With Unit Prices Written in Words and Dollars and Cents	Engineer's Estimate of Quantity	Extended Total Written in Dollars and Cents
1008129	"3" Polyvinyl Chloride Conduit in Trench" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	150	
1008142	"4" PVC Conduit – Under Roadway" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	800	
1008150A	"4" PVC Duct Bank – 2 Ducts" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	125	
1008151A	"4" PVC Duct Bank – 4 Ducts" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	30	
1008152A	"4" PVC Duct Bank – 6 Ducts" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	410	
1008153A	"4" PVC Duct Bank – 8 Ducts" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	95	
1008154A	"4" PVC Duct Bank – 10 Ducts" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	30	
1008155A	"4" PVC Duct Bank – 12 Ducts" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	75	
1008160A	"5" PVC Duct Bank – 2 Ducts" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	260	
1008163A	"5" PVC Duct Bank – 8 Ducts" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	410	
1008215	"2" Rigid Metal Conduit Under Roadway" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	400	
1008217	"3" Rigid Metal Conduit Under Roadway" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	210	

**STATE PROJECT NO. 77-227
 BID TABULATION FORM
 (BASE BID)**

Item No.	Item With Unit Prices Written in Words and Dollars and Cents	Engineer's Estimate of Quantity	Extended Total Written in Dollars and Cents
1010001A	"Concrete Handhole" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	4	
1010052A	"Cast Iron Handhole Cover" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	4	
1012010	"No. 10 Single Conductor" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	5440	
1012038	"No. 8 Single Conductor" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	4420	
1012042	"No. 12 Single Conductor" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	8120	
1015047A	"Electric Manhole" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	2	
1017001A	"Power Pedestal" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	1	
1208906	"Sign Face Sheet Aluminum – Bright Wide Angle Retroreflective Sheeting" at the unit (s.f.) price of _____ Dollars and _____ Cents (\$ _____)	35	
1208928	"Sign Face Sheet Aluminum Type III Reflective Sheeting" at the unit (s.f.) price of _____ Dollars and _____ Cents (\$ _____)	60	
1209114	"Hot Applied Painted Pavement Markings 4" Yellow" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	500	
1209124	"Hot Applied Painted Pavement Markings 4" White" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	1585	

**STATE PROJECT NO. 77-227
 BID TABULATION FORM
 (BASE BID)**

Item No.	Item With Unit Prices Written in Words and Dollars and Cents	Engineer's Estimate of Quantity	Extended Total Written in Dollars and Cents
1209131	"Hot Applied Painted Pavement Legend, Arrows, and Markings" at the unit (s.f.) price of _____ Dollars and _____ Cents (\$ _____)	385	
1210101	"4" White Epoxy Resin Pavement Markings" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	1585	
1210102	"4" Yellow Epoxy Resin Pavement Markings" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	500	
1210105	"Epoxy Resin Pavement Markings, Symbols and Legends" at the unit (s.f.) price of _____ Dollars and _____ Cents (\$ _____)	385	
1220011A	"Construction Signs – Type III Reflective Sheeting" at the unit (s.f.) price of _____ Dollars and _____ Cents (\$ _____)	200	
1300014A	"Trench Excavation 0'-10' Deep (Utilities)" at the unit (c.y.) price of _____ Dollars and _____ Cents (\$ _____)	881	
1300015A	"Rock-in-Trench Excavation 0'-10' Deep (Utilities)" at the unit (c.y.) price of _____ Dollars and _____ Cents (\$ _____)	214	
1301081A	"6" Ductile Iron Pipe (Water)" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	25	
1301083A	"10" Ductile Iron Pipe (Water)" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	33	
1301084A	"12" Ductile Iron Pipe (Water)" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	568	
1301880A	"Miscellaneous Fittings (Water Main)" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	4	
1302003A	"6" Gate Valve" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	2	

**STATE PROJECT NO. 77-227
 BID TABULATION FORM
 (BASE BID)**

Item No.	Item With Unit Prices Written in Words and Dollars and Cents	Engineer's Estimate of Quantity	Extended Total Written in Dollars and Cents
1302005A	"10" Gate Valve" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	1	
1302006A	"12" Gate Valve" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	2	
1302159A	"12" Cap (Water Main)" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	1	
1302901A	"Air Relief Valve (Water Main)" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	1	
1302912A	"Low Point Blow-Off" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	1	
1303204A	"Fire Hydrant Assembly" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	2	
1303396A	"Service Connection (Water Main)" at the estimated price of <u>Six Thousand</u> Dollars and <u>Zero</u> Cents (\$6,000.00)	EST.	\$6,000.00
1304124A	"Thrust Block/Joint Restraint" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	6	
1307001A	"Bedding Material (Water Main)" at the unit (c.y.) price of _____ Dollars and _____ Cents (\$ _____)	42	
1400102A	"8" Polyvinyl Chloride Pipe (Sanitary Sewer)" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	46	
1400103A	"10" Polyvinyl Chloride Pipe (Sanitary Sewer)" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	572	
1401643A	"6" Polyvinyl Chloride Laterals (Sanitary Sewer)" at the unit (l.f.) price of _____ Dollars and _____ Cents (\$ _____)	106	

**STATE PROJECT NO. 77-227
 BID TABULATION FORM
 (BASE BID)**

Item No.	Item With Unit Prices Written in Words and Dollars and Cents	Engineer's Estimate of Quantity	Extended Total Written in Dollars and Cents
1403001A	"Manhole (Sanitary Sewer)" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	4	
1403007A	"Special Sanitary Manhole" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	1	
1404110A	"1,000 HS-20 Gallon Grease Trap" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	1	
1405103A	"Bedding Material (Sanitary Sewer)" at the unit (c.y.) price of _____ Dollars and _____ Cents (\$ _____)	119	
1807012	"Temporary Impact Attenuation System Type A Module 700 LB" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	2	
1807013	"Temporary Impact Attenuation System Type A Module 1400 LB" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	8	
1807014	"Temporary Impact Attenuation System Type A Module 2100 LB" at the unit (ea.) price of _____ Dollars and _____ Cents (\$ _____)	4	
3000101	"Trafficperson (State Police Officer)" at the estimated price of <u>Forty Thousand</u> Dollars and <u>Zero</u> Cents (\$ <u>40,000.00</u>)	EST.	\$40,000.00

TOTAL BASE BID:

_____ (Bid Amount Written in Words)

_____ (Bid Amount \$ and Cents)

**STATE PROJECT NO. 77-227
 BID TABULATION FORM
 ADDITIVE ALTERNATE No. 1: ILLUMINATION AND TREES**

Item No.	Item With Unit Prices Written in Words and Dollars and Cents	Engineer's Estimate of Quantity	Extended Total Written in Dollars and Cents
0949302	"Ulmus Americana – 'Valley Forge'" at the unit (ea.) price of _____ Dollars and _____ Cents (\$_____)	4	
0949354	"Pyrus Calleryana" at the unit (ea.) price of _____ Dollars and _____ Cents (\$_____)	9	
0949755	"Acer Buergerianum" at the unit (ea.) price of _____ Dollars and _____ Cents (\$_____)	10	
1002007A	"Type A1 Decorative Light (Lamp & Pole)" at the unit (ea.) price of _____ Dollars and _____ Cents (\$_____)	26	

TOTAL ADDITIVE ALTERNATE No. 1: _____
 (Bid Amount Written in Words)

 (Bid Amount \$ and Cents)

CONTRACT AGREEMENT

TOWN OF MANSFIELD

DEPARTMENT OF PUBLIC WORKS

STORRS ROAD (ROUTE 195) IMPROVEMENTS AND DOG LANE IMPROVEMENTS

This agreement made and entered into on the _____ day of _____, 20____, between:

THE TOWN OF MANSFIELD, acting by and through its Director of Finance, and hereinafter referred to as "Town".

_____, a corporation organized and existing under the laws of the State of _____, a partnership, or an individual doing business as _____ and hereinafter referred to as "Contractor."

WITNESSETH;

That for and in consideration of the payments and agreements hereinafter mentioned, the CONTRACTOR hereby agrees with the TOWN to commence and complete the work described as follows:

Storrs Road (Route 195) Improvements and Dog Lane Improvements

hereinafter called the PROJECT, for the sum of _____ dollars (\$_____) and all extra work in connection therewith, under the terms as stated in the General and Special Conditions of the Contract; and at his (its or their) own proper cost and expense to furnish all the materials, supplies, machinery, equipment, tools, superintendence, labor insurance, and other accessories and services necessary to complete said project in accordance with the conditions and prices stated in the Bid Form/Proposal, the General Conditions and Special Conditions of the contract, the plans, which include all maps, plots, blueprints, and other drawings and printed or written explanatory matter thereof, the specifications and contract documents all of which are attached hereto and made a part hereof and collectively evidence and constitute the contract.

The CONTRACTOR hereby agrees to commence work under this contract on or before 15 days of a date to be specified in a written "Notice to Proceed" of the Owner, and to fully complete State Project No. 77-227 prior to the one hundred fifty (150) calendar days completion date for that project, excluding winter shutdown. The CONTRACTOR hereby agrees to commence work under this contract on or before 15 days of a date to be specified in a written "Notice to Proceed" of the Owner, and to fully complete State Project No. 77-223 prior to the two hundred forty (240) calendar days completion date for that project excluding winter shutdown. The CONTRACTOR further agrees to pay, as liquidated damages, the sum of \$500 for each consecutive calendar day thereafter as hereinafter provided in the General Conditions. In addition, for State Project No. 77-227, the Bidder hereby agrees to complete all water (from approximate Sta. 61+80 to 65+75) and facilities by February 22, 2012 and to complete all telephone/cable facilities by March 7, 2012 and Bidder further agrees to pay as

liquidated damages the sum of \$2,000 for each consecutive calendar day thereafter as hereinafter provided in the General Conditions. The TOWN agrees to pay the CONTRACTOR in current funds for the performance of the contract, subject to additions, and deductions as provided in the General Conditions of the contract, and to make payments on account thereof as provided in Section 22, "Payment to Contractor" of the General Conditions.

IN WITNESS WHEREOF, the parties to these presents have executed this contract in two (2) counterparts, each of which shall be deemed an original, in the year and day first mentioned above.

CONTRACTOR

TOWN

Director of Finance

(SEAL)

Recommended for approval:

Director of Public Works

Date

NOTICE TO PROCEED

TO: _____

PROJECT NAME: State Project No. 77-223 Storrs Road (Route 195) Improvements
State Project No. 77-227 Dog Lane Improvements
Town of Mansfield, Connecticut

You are hereby notified to commence work on the referenced project, in accordance with the executed Contract dated _____. Work must begin on or before _____. You are to fully complete work on State Project No. 77-227 Dog Lane Improvements prior to the one hundred fifty (150) calendar days completion date for that project. You are to fully complete work on State Project No. 77-223 Storrs Road (Route 195) Improvements prior to the two hundred forty (240) calendar days completion date for that project. You are to fully complete the water (from approximate Sta. 61+80 to 65+75) facilities by February 22, 2012 and telephone/cable t.v. facilities by March 7, 2012 in State Project No. 77-227 (Dog Lane Improvements).

The date of completion of all work for State Project No. 77-227 Dog Lane Improvements, including completion of punch list items is, therefore, _____, 2011.

The date of completion of all work for State Project No. 77-223 Storrs Road (Route 195) Improvements, including completion of punch list items is, therefore, _____, 2011.

You are required to return the acknowledgment copy of this Notice to Proceed, properly signed and otherwise executed, to the Owner.

Dated this ____ day of _____, 2011.

OWNER: TOWN OF MANSFIELD, CONNECTICUT

By: _____

Title: _____

CONTRACTOR'S ACKNOWLEDGEMENT OF RECEIPT OF NOTICE TO PROCEED

Receipt of the above Notice to Proceed is hereby acknowledged by:

_____ on this the ____ day of _____, 2011.

By: _____
(Signature)

Title: _____

SPECIAL CONDITIONS

1. General

The Contractor shall furnish all tools, labor, equipment, materials and incidentals to complete all items of work for the engineering, production and erection of precast elements of the project as set forth on the plans and in these contract documents in a manner described in these contract documents, general conditions, special conditions, Special Provisions and Technical Provisions.

The Owner (Town) reserves the right to eliminate from the contract any of the work shown on the Bid Form in the event it deems it to be in the best interest of the Owner.

2. Traffic Control and Warning Signs to be provided by Contractor as directed by the Engineer.

The Contractor shall be responsible for any and all traffic control required while the work is in progress. Two-way traffic shall be maintained at all times unless specifically authorized by the Town for short periods of time.

3. Sampling, Inspection and Testing of Materials

Contractor shall furnish Certified Test Reports and/or material samples for all materials utilized in the work or used temporarily on the job, demonstrating that the materials being furnished by him is in compliance with the material specification in the Technical Provisions attached hereto.

The Town reserves the right to retest any material which previously had been tested and accepted, and to reject materials in transit or at the point of delivery which do not meet requirements of the specifications, which are contaminated, or which are damaged.

4. DOT Specifications

Department of Transportation Specifications are to be utilized for all work except as modified by these specifications and provisions. Whatever reference is made to the "Standard" or the DOT Specifications it shall mean the Connecticut Department of Transportation Standard Specifications for Roads, Bridges and Incidental Construction Form 816 (2004) as modified by Supplemental Specifications as issued by the Connecticut Department of Transportation.

In the DOT Specifications, references are made to "Engineer", "State", "Department", and other entities of the Department of Transportation. Wherever such references appear, substitute "Town of Mansfield, Connecticut".

The purpose and intent of citing Form 816 is to insure certain minimum standards of workmanship and quality of material. In case of conflict, these Contract Documents shall govern.

5. Safety

The Contractor shall comply with all requirements of the Occupational Safety and Health Act (OSHA). See also the safety provisions of the General Conditions..

6. Enumeration of Plans

The following plan sheets are hereby enumerated as part of these contract documents.

<u>Sheet Number</u>	<u>Title</u>
	Title Sheet & Index
INX-1	Index Plan
EST-1, 2, 3	Storrs Road Detail Estimate Sheet
EST-4, 5	Dog Lane Detail Estimate Sheet
TYP-1, 2	Storrs Road Typical Cross Sections
TYP-3	Dog Lane Typical Cross Sections
BL-1, 2, 3, 4	Boring Logs
MDS-1, 2, 3, 4, 5, 6, 7	Miscellaneous Detail Sheet
IGP-1, 2	Intersection Grading Plans
HZL-1, 2, 3	Storrs Road Horizontal Layout Plans
HZL-4, 5	Dog Lane Horizontal Layout Plans
HWY-1, 2, 3	Storrs Road Roadway Construction Plans
HWY-4, 5	Dog Lane Roadway Construction Plans
DRN-1, 2, 3	Storrs Road Drainage Plans
DRN-4, 5	Dog Lane Drainage Plans
PRO-1, 2, 3, 4	Profile Sheets
UTL-1, 2	Dog Lane Utility Construction Plans
UDM-1, 2	Dog Lane Utility Demolition Plans
LDS-1, 2, 3	Storrs Road Landscape and Amenity Plan
LDS-4, 5	Dog Lane Landscape and Amenity Plan
ES-1, 2	Storrs Road Roadway Lighting Conduit Plans
ES-3, 4, 5, 6	Dog Lane Roadway Lighting Conduit Plans
LP-1, 2	Lighting Photometric Plans
LP-3, 4	Lighting Photometric Plans
SPM-1, 2	Storrs Road Signing and Pavement Marking Plans
SPM-3, 4	Dog Lane Signing and Pavement Marking Plans
XCS-1 to 27	Storrs Road Cross Sections
XCS-28 to 38	Dog Lane Cross Sections
TCS-1	Traffic Signal Plan (Intersection No. 077-216)
TCS-2	Mast Arm Plan and Profile (Intersection No. 077-216)
TCS-3	Traffic Signal Plan (Intersection No. 077-204)
TCS-4	Traffic Signal Plan (Intersection No. 077-204)
MA-1	Mast Arm Assembly Elevation
MA-2	Mast Arm Assembly Details
MA-3	Mast Arm Assembly Foundation Details
X	Sign Face Sheet Aluminum R-Series Signs Typical Details
Y	Sign Face Sheet Aluminum S&W Series Signs Typical Details
Z	Sign Face Sheet Aluminum D, E, I & M Series Signs Typical Details
WSA-1	Waste Stockpile Area Plan
A-1, 2, 3, 4, 5	Utility Relocation Plans (For Information Only – Proposed CL&P Construction)
B-1, 2, 3, 4, 5	Utility Relocation Plans (For Information Only – Proposed AT&T Construction)
C-1, 2	Utility Relocation Plans (For Information Only – Proposed CNG Construction)

<u>Sheet Number</u>	<u>Title</u>
D-1, 2, 3	Utility Relocation Plans (For Information Only – Proposed Fibertech Construction)
E-1, 2, 3, 4, 5	Utility Relocation Plans (For Information Only – Proposed Charter Construction)
HWY_INX (1 OF 2)	Highway Standards Sheet Index
HWY_INX (2 OF 2)	Highway Standards Sheet Index
HW-507-01	Type “C”, “C-L” and Drop Inlet Catch Basins
HW-507-03	Type “C”, “C-L” and Double Grate Type-II
HW-507-06	Type “C”, “C-L” Precast Concrete CB Double Grate Type-II
HW-507-07	Type “C”, “C-L” and Catch Basin Tops and Curbs
HW-507-08	Catch Basin Frames and Grates
HW-507-10	Manhole – Frame and Cover
HW-651-01	TYP. CCM Pipe Ins. In Earth and Rock Slopes and Bedding for Culverts
HW-751-01	Underdrains and Underdrain Outlets
HW-811-01	Curbing
HW-822-01	Temporary Precast Concrete Barrier Curb
HW-921-01	Driveway Ramps and Sidewalks
HW-921-02	Sidewalk Ramps
TR_STD_INDEX	Traffic Standard Sheet Index
TR_1000_01	General Clauses (Test Procedures) [7]
TR_1001_01	Trenching and Backfilling, Electric Conduit [3]
TR_1002_01	Traffic Control Foundations [5]
TR_1010_01	Concrete Handhole [4]
TR_1102_01	Pedestals, Pedestrian Signals [9]
TR_1105_01	Traffic Signals and Cable Assignments [11]
TR_1107_01	Pedestrian Push Button [10]
TR_1108_01	Controllers [10]
TR_1111_01	Loop Vehicle Detector and Sawcut [6]
TR_1111_02	Vehicle Detection Systems [8]
TR_1208_01	Sign Support and Sign Placement Details, Gore Exit Sign [8]
TR_1208_02	Metal Sign Posts and Sign Mounting Details [9]
TR_1210_03	Special Details and Typical Pavement Markings for Two-Way Highways [25]
TR_1220_01	Signs for Construction and Permit Operations [23]
TR_1220_02	Construction Sign Supports and Channelizing Devices [23A]

7. Delays

The Town shall not be considered in default under this agreement or responsible for any delay resulting from threatening weather conditions, equipment accident or failure, strike or labor dispute, natural disaster, fuel shortage, material shortage, or delay due to any other circumstance beyond the control of the Town.

8. Protection of Existing Road and Facilities

A. Care shall be taken to insure that work does not in any way damage the existing facilities.

9. Prevailing Wage Rates

In accordance with the Connecticut General Statutes, this project, funded in part by state and federal grants, shall utilize prevailing State and Federal minimum wage rates for all contractor's labor. Contractor shall submit to the Town certified copies of payroll along with his monthly requests for payment demonstrating the payment of said prevailing wages. (See pages WR1 – WR33)

10. Hurricane Protection

Should hurricane warnings be issued, the Contractor shall take every precaution to minimize danger to persons, to the work and to adjacent property. These precautions shall include removing all loose materials, tools, and equipment from exposed locations, and removing all scaffolding and other temporary work.

11. Protection against High Water and Storm

The contractor shall take all precautions to prevent damage to work or equipment by high water or by storms. The Owner may prohibit the carrying out of work at any time when in his judgment high waters or storm conditions are unfavorable or unsuitable or at any time regardless of the weather when proper precautions are not being taken to safeguard previously constructed work or work in progress.

12. Lights, Barriers, Watchmen and Indemnity

The Contractor shall erect and maintain such barriers, lighting, warning lights, danger warning signals, and signs that will prevent accidents during the construction work and protect the work and insure the safety of personnel and the public at all times and places; the Contractor shall indemnify and protect the Owner and the Engineer in every respect from injury or damage whatsoever caused by any act of neglect by the Contractor or his subcontractors or their servants or agents, including any claim arising out of failure to erect and maintain sufficient railing or fence as required by Section 13A-111 Connecticut General Statutes from claims of defect in violation of 13A-149 Connecticut General Statutes.

13. Night Work

Night work, or work on Saturdays, Sundays, or legal holidays requiring the presence of an engineer or inspector, will not be permitted except as approved by the Owner. Should it be necessary for the Owner to operate an organization for continuous night work or for emergency night work, the lighting, safety and other facilities which are deemed necessary shall be provided by the Contractor. Compensation for this work shall be considered as having been included in the prices stipulated for the appropriate items of work as listed in the bid, and no extra compensation will be paid by the Owner.

14. Shoring

If shoring is required to safely excavate or work within an excavated area, according to OSHA regulations, the cost of the shoring materials, erection and removal shall be considered as having been included in the prices stipulated for the appropriate items of work as listed in the bid, and no extra compensation will be paid by the owner.

15. Working Hours

Hours of Work shall be Monday through Friday, 7:00 a.m. to 4:30 p.m., excluding Town designated holidays. If required to work beyond this schedule, hours shall be arranged in advance with the Town to allow for inspection and engineering services to be scheduled.

16. Time of Completion

Bidder must agree to commence work within 15 days of a date specified in a written "Notice to Proceed" of the Town, and to fully complete State Project No. 77-227 prior to the one hundred fifty (150) calendar days completion date for that project. Bidder must agree to commence work within 15 days of a date specified in a written "Notice to Proceed" of the Town, and to fully complete State Project No. 77-223 prior to the two hundred forty (240) calendar days completion date for that project. Bidder must agree also to pay as liquidated damages, the sum of \$500 for each calendar day beyond the aforementioned days as hereinafter provided in the General Conditions.

In addition, for State Project No. 77-227, the Bidder hereby agrees to complete all water (from approximate Sta. 61+80 to 65+75) facilities by February 22, 2012 and to complete all telephone/cable facilities by March 7, 2012 and Bidder further agrees to pay as liquidated damages the sum of \$2,000 for each consecutive calendar day thereafter as hereinafter provided in the General Conditions.

17. Private Property

Attention is drawn to the fact that some of this work will take place adjacent to private property. The greatest care shall be taken to avoid any trespass onto said private property without the express written permission of the owner. Any inadvertent damage to private property caused by the contractor shall be repaired to the satisfaction of the owner and shall be reported immediately to the Town of Mansfield Engineering representative.

18. Notice to Contractor - Permits/Permit Applications

The Contractor is hereby notified that all permit and permit applications contained herein shall be made a part of this contract. In the absence of the permit, the application shall be binding. If at the time the permit is received its contents differ from that which is outlined in the application, the permit shall govern. Should the permit be received after the receipt of bids and the permit requirements significantly changes the character of the work, adjustment will be made to the contract in accordance with the appropriate articles in Section 1.04, Form 816. The requirements and conditions set forth in the permit and permit application shall be binding on the Contractor just as any other specification. Contractor shall be responsible for posting the bond or bonds required under any permits, including but not limited to the DOT permits included.

19. Control of Materials

Certified Test Reports, Materials Certificate and Certificate of Compliance

- A) For all materials, a Certified Test Report and a Certificate of Compliance will be required confirming their conformance to the requirements set forth in these plans or specifications or both. Should the consignee noted on a Certified Test Report be other than the Prime Contractor, the Materials Certificates shall be required to identify the shipment.

All materials utilized in this project shall be subject to Certification, and/or sampling requirements. Payment will not be made for those items incorporated into the project which have not met testing requirements as set forth herein. Samples and/or certificates shall be provided two weeks in advance of utilization on the project to allow time for testing and approval. Materials or items used in the project without appropriate testing will be subject to removal and replacement at the contractor's sole expense if testing shows the material or item to be of poor quality or to be different from that specified herein.

20. Job Coordination Meetings

Job coordination meetings will be conducted during the project and a responsible representative of the contractor will be required to attend each meeting. The representative must be knowledgeable about contractor's work including knowledge of the design, status of materials and deliveries, and have the authority to make schedule commitments.

21. Construction Traffic Coordination Meetings

As this contract is one of several roads, building and streetscape projects that will be underway in 2011 and 2012 in the Storrs Center area, the contractor will be required to send a representative to the periodic construction traffic coordination meetings to be held at or near the construction site. Coordination with and accommodation of other ongoing construction activities is required as a condition of this and all other contracts for Storrs Center.

Date: December 2011
 State Project No. 77-223
 State Project No. 77-227
 Town: Mansfield

INDEX TO SPECIAL PROVISIONS

NOTE: This index has been prepared for the convenience of those using this contract with the sole purpose of locating quickly the information contained herein; and no claims shall arise due to omissions, additions, deletions, etc., as this index shall not be considered part of the contract.

Item

Schedule 1	Disadvantaged Business Enterprises For Federal Funded Projects
Schedule 4	Policy No. F&A-30
Schedule 5	General Letter No. 97-1
Schedule 6	Policy No. F&A-10
Schedule 7	Governmental Agency Exemption Certificate
Schedule 8	Title VI Contractor Assurances
Schedule 9	Disclosure of Lobbying Activities
Schedule 10	Supplementary Program Information
Section 1.03	Award and Execution of Contract
Section 1.05	Control of the Work
Section 1.06	Control of Materials
Section 1.07	Legal Relations and Responsibilities
Section 1.08	Prosecution and Progress
Section 4.06	Bituminous Concrete
Section M.04	Bituminous Concrete
Section 6.03	Structural Steel
Section M.06	Metals
Section 10.00	General Clauses for Highway Illumination and Traffic Signal Projects
Section 12.08	Sign Face – Sheet Aluminum
0100247A	Decorative Street Sign and Post
0101000A	Environmental Health and Safety
0101016A	Asbestos Pipe Removal
0101104A	Environmental Compliance
0101117A	Controlled Materials Handling
0101128A	Securing, Construction and Dismantling of a WSA
0201001A	Clearing and Grubbing
0201012A	Removal of Trees
0202315A	Disposal of Controlled Material
0202318A	Management of Reusable Controlled Material
0202452A	Test Pit
0202531A	Removal of Bituminous Concrete
0202640A	2” Monitoring Well Abandonment
0219011A	Sediment Control System at Catch Basin
0406170A	HMA S1.0 Inch (see Section 4.06 and Section M.04)
0406172A	HMA S0.375 Inch (see Section 4.06 and Section M.04)
0406285A	Fine Milling of Hot Mix Asphalt (HMA) (0” to 4”)
0606001A	Field Stone Retaining Wall
0812149A	12” Flush Granite Stone Curbing
0812150A	12” Flush Granite Curved Stone Curbing

0901005A	Bollard
0915000A	Tree Protection
0921001A	Concrete Sidewalk
0921011A	Colored Concrete Pavement
0921030A	Decorative Concrete Pavement
0811016A	Mountable Decorative Concrete Median
0922003A	Decorative Bituminous Concrete
0922304A	Temporary Bituminous Concrete Sidewalk
0924002A	Concrete Driveway Ramp
0947003A	Bus Shelter
0950005A	Turf Establishment
0951002A	Tree Grate System
0951021A	Roadside Tree Box Filter System
0969060A	Construction Field Office Small
0970007A	Trafficperson (Uniformed Flagger)
0971001A	Maintenance and Protection of Traffic
0979003A	Construction Barricade Type III
0980001A	Construction Staking
0992090A	Bench
0992103A	Trash Receptacle
0992122A	Parking Meter
1002007A	Type A1 Decorative Light (Lamp & Pole)
1002008A	Type A2 Decorative Light (Lamp & Pole)
1002009A	Relocation of Existing Luminaire
1002110A	Decorative Light Base (Storrs Road)
1002110A	Decorative Light Base (Dog Lane)
1002120A	In-Ground Uplight (With Lamp)
1002202A	Traffic Control Foundation – Mast Arm
1002203A	Traffic Control Foundation - Pedestal - Type I
1008100A	Service Riser
1008150A	4" PVC Duct Bank – 2 Ducts
1008151A	4" PVC Duct Bank – 4 Ducts
1008152A	4" PVC Duct Bank – 6 Ducts
1008153A	4" PVC Duct Bank – 8 Ducts
1008154A	4" PVC Duct Bank – 10 Ducts
1008155A	4" PVC Duct Bank – 12 Ducts
1008160A	5" PVC Duct Bank – 2 Ducts
1008163A	5" PVC Duct Bank – 8 Ducts
1010001A	Concrete Handhole
1010021A	Concrete Handhole Type II
1010052A	Cast Iron Handhole Cover
1010054A	Cast Iron Handhole Cover Type II
1015047A	Electric Manhole
1017001A	Power Pedestal
1102048A	8' Ornamental Aluminum Pedestal
1104028A	30' Steel Mast Arm Assembly
1104031A	35' Steel Mast Arm Assembly
1104999A	Ornamental Base
1105101A	1 Way 1 Section Mast Arm Traffic Signal
1105103A	1 Way 3 Section Mast Arm Traffic Signal
1106001A	1 Way Pedestrian Signal Pole Mounted

1106003A	1 Way Pedestrian Signal Pedestal Mounted
1107011A	Accessible Pedestrian Signal and Detector (Type A)
1108115A	Full Actuated Controller 8 Phase
1111401A	Loop Vehicle Detector
1111451A	Loop Detector Saw Cut
1118012A	Removal and/or Relocation of Traffic Signal Equipment
1118051A	Temporary Signalization (Site No. 1)
1118052A	Temporary Signalization (Site No. 2)
1205047A	Street Name Sign
1206023A	Removal and Relocation of Existing Signs
1220011A	Construction Signs - Type III Reflecting Sheeting
1300014A	Trench Excavation 0'-10' Deep (Utilities)
1300015A	Rock-in-Trench Excavation 0'-10' Deep (Utilities)
1301081A	6" Ductile Iron Pipe (Water)
1301083A	10" Ductile Iron Pipe (Water)
1301084A	12" Ductile Iron Pipe (Water)
1301880A	Miscellaneous Fittings (Water Main)
1302003A	6" Gate Valve
1302005A	10" Gate Valve
1302006A	12" Gate Valve
1302159A	12" Cap (Water Main)
1302901A	Air Relief Valve (Water Main)
1302912A	Low Point Blow-off
1303204A	Fire Hydrant Assembly
1303396A	Service Connection (Water Main)
1304124A	Thrust Block/Joint Restraint
1307001A	Bedding Material (Water Main)
1400102A	8" Polyvinyl Chloride Pipe (Sanitary Sewer)
1400103A	10" Polyvinyl Chloride Pipe (Sanitary Sewer)
1401643A	6" Polyvinyl Chloride Lateral (Sanitary Sewer)
1403001A	Manhole (Sanitary Sewer)
1403007A	Special Sanitary Manhole
1403501A	Reset Manhole (Sanitary Sewer)
1404110A	1,000 HS-20 Gallon Grease Trap
1405103A	Bedding Material (Sanitary Sewer)
1500210A	Reset Manhole (Telephone)
1700001A	Service Connections (Estimated Cost)

ITEM NO. 0101016A ASBESTOS PIPE REMOVAL

PART 1 - GENERAL

Asbestos cement pipes often are found in underground utility conduits, and municipal water, sewer and drainage systems. Asbestos cement pipe (ACP) has been tentatively identified in the project limits. To comply with governmental requirements and minimize employee exposure, controls are necessary wherever there is a potential for exposure to airborne fibers.

1.1 RELATED DOCUMENTS

Contract Drawings and Connecticut Department of Transportation Standard Specifications for Roads, Bridges, and Incidental Contractor Form 816 and amendments thereto.

OSHA's Construction Industry Standard for Occupational Exposure to Asbestos Subpart Z, 29 CFR 1926.1101 Asbestos

1.2 SUMMARY

1.2.1 Scope - This specification is intended to provide specific procedural requirements to be followed by the Contractor during the excavation, removal and disposal of non-friable ACP that may exist and as shown on the Contract Drawings. The Contractor shall furnish all materials, labor, supervision and equipment required for the orderly removal and disposal of non-friable ACP as shown on the drawings and described herein.

1.2.3 Asbestos has been classified by the Federal Government as a carcinogenic (cancer producing) material. To comply with governmental requirements and minimize employee exposure, controls are necessary wherever there is a potential for exposure to airborne fibers.

1.3 DESCRIPTION OF WORK

This specification covers the removal of **non-friable** ACP encountered during the removal of the existing drainage system as shown on the Plans. **Approximate locations and quantities are indicated on the Contract Drawings and Bid Form. The Contractor must make its own measurements.**

1.3.1 Asbestos cement pipes buried below ground surfaces are considered non-friable if they are in good condition. This specification provides guidance on how to safely remove asbestos cement pipes without containing the work area or using air cleaning. If the asbestos removal methods prescribed by this guidance document are not followed, then the requirements for containment and air cleaning must be adhered to in accordance with all applicable federal, state and local regulations. It should be noted, that active asbestos cement pipe that is exposed and is not intended to be replaced or removed and is not disturbed by repair or replacement activities may remain in place and be backfilled.

The safest way to handle ACP is to make sure that the material stays in non-friable condition. In most cases ACP is considered non-friable. Non-friable asbestos materials in good condition are exempt from some State of Connecticut rules and regulatory requirements. A licensed asbestos contractor or a certified asbestos worker may not be required to conduct the removal of the **non-friable ACP**. Friable ACP requires removal work to be conducted by a licensed asbestos contractor or a certified asbestos worker. Non-friable material must be handled, transported and disposed of in a way that prevents it from becoming friable and releasing asbestos fibers.

1.3.2 The Contractor shall supply all labor, materials, equipment, services, insurance and incidentals which are necessary or required to perform the work in accordance with the applicable governmental regulations and these specifications. Disposal fees shall be paid for by the Contractor.

1.3.3 The Contractor shall not cause the ACP to shatter, crumble, be pulverized or release asbestos fibers. The Contractor cannot sand, saw, chip or use power tools on ACP.

1.3.4 **If ACP is shattered, damaged, or badly weathered, it is considered to be friable and will likely release asbestos fibers. A State of Connecticut licensed asbestos abatement contractor using State of Connecticut certified workers must remove all friable asbestos materials.**

1.3.5 Keep the material wet during removal operations. Use of a water hose, garden sprayer, spray bottles, or any method that keeps the material wet is acceptable. **Wetting prevents fiber migration during removal.**

1.4 SUBMITTALS AND NOTICES

1.4.1 Prior to Commencement of Work:

Submit notification to the following agencies in the stipulated amount of time before work commences on the project: (Please note that any notifications shall be submitted to the Owner for review prior to submittal to any outside agencies).

For asbestos abatement projects from which asbestos waste will be disposed of in the State of Connecticut -

Department of Energy and Environmental Protection
165 Capitol Ave.
Hartford, CT 06106

The minimum information required on all of the submittals includes the following:

- (1) The name, address and telephone number of the asbestos Contractor
- (2) The name, address and telephone number of the facility owner;
- (3) The exact location of the facility;
- (4) The nature of the asbestos abatement;
- (5) The type of asbestos abatement activity;
- (6) A description of the facility including the size, age and use of the facility;
- (7) The amount of asbestos-containing material to be removed, enclosed or encapsulated or contained in the facility or part thereof to be demolished;
- (8) The scheduled starting and completion dates;
- (9) A description of the work practices to be followed as per RCOSA Section 19a-332a-5 to Section 19a-332a-13;
- (10) The name and the location of the authorized asbestos disposal facility where asbestos-containing materials will be disposed.

1.4.2 Submit proof satisfactory to the Owner that all required permits, site locations, arrangements for transport and disposal of asbestos-containing or contaminated materials, supplies, and the like have been obtained.

1.4.3 Submit documentation to the Owner indicating that each employee has instruction on the hazards of asbestos exposure, on use and fitting of respirators, on protective dress, on use of showers, on entry and exit from work areas, and on all aspects of work procedures and protective measures and understands this instruction. Also submit verification that all employees have received medical examinations as required by OSHA regulations.

1.4.4 Post signs in and around the Work Area to comply with OSHA standard 29 CFR 1910.1001 and 1926.1101.

1.4.5 When rental equipment is to be used in removal areas or to transport waste materials, a copy of the written notification provided to the rental company informing them of the nature of use of the rented equipment shall be submitted to the Owner.

1.5 PERSONAL PROTECTION

1.5.1 It is recommended that employees engaged in work operations involving asbestos cement pipe be provided with the medical monitoring and personal protective equipment specified in the OSHA Construction Standard for Asbestos, 29 CFR Part 1926.1101.

1.5.2 Respiratory protection shall meet the requirements of OSHA as presented in 29 CFR 1910.134 titled "Respiratory Protection" and CFR 1910.1001, 1915.1001 and 1926.1101 titled "Asbestos".

1.5.3 The employer shall select and provide at no cost to the employee respirators which will provide adequate protection to the employee as specified by section 1910.1001(g) Table D-1 and Section 1926.1101(h) Table D-4.

1.5.4 Any feasible combination of engineering controls, work practices, and personal protective equipment and devices, may be used to reduce personnel exposure to asbestos.

1.5.5 Workers shall not eat, drink, smoke, or chew gum or tobacco while in the Work Area.

1.4.6 Workers shall be fully protected with respirators and protective clothing immediately prior to the first disturbance of asbestos contaminated materials and until final clean up is completed.

PART 2 - PRODUCTS

2.1 MATERIALS

2.1.1 Deliver all materials in the original packages, containers, or bundles bearing the name of the manufacturer and the brand name.

2.1.2 Damaged or deteriorating materials shall not be used and shall be removed from the premises. Material that becomes contaminated with asbestos shall be decontaminated or disposed of as asbestos waste.

2.1.3 Use plastic sheet of six mil thickness unless otherwise specified, in sizes to minimize the frequency of joints. Polyethylene bags shall be six mil and of sufficient size for the application.

2.1.4 Tape will be used that is capable of sealing joints in adjacent plastic sheets and for attachment of plastic sheet to finished or unfinished surfaces of dissimilar materials and capable of adhering under both dry and wet conditions, including use of amended water.

2.1.5 Surfactant (wetting agent) - shall consist of fifty (50) percent polyoxyethylene ether and fifty (50) percent polyoxyethylene ester, concentration of one (1) ounce surfactant to five (5) gallons of water or as directed by manufacturer.

2.1.6 The Contractor shall have available spray equipment on site capable of mixing wetting agent with water and capable of generating sufficient pressure and volume and having sufficient hose length to reach all areas with asbestos.

2.1.7 Impermeable containers are to be used to receive and retain any asbestos-containing or contaminated materials until disposal at an acceptable disposal site. (The containers shall be labeled in accordance with OSHA standards 29 CFR 1910.1001 and 1926.1101). Containers must be both air and watertight.

2.1.8 Labels and signs required by OSHA 1910.1001 & 1926.1101 will be used.

2.2 TOOLS AND EQUIPMENT

2.2.1 Provide suitable tools for asbestos removal.

2.2.2 The Contractor shall have available on site air monitoring equipment of type and quantity to monitor operations and conduct personnel exposure surveillance per OSHA requirements.

2.2.3 The Contractor shall have available on site sufficient inventory or dated purchase orders for materials necessary for the job including protective clothing, respirators, filter cartridges, plastic sheeting of proper size and thickness, duct tape, air filters and sample filter cassettes.

2.2.4 The Contractor shall have available on site power cables or sources such as generators (where required).

2.2.5 Ladders and/or scaffolds are to be of adequate length and sufficient quantity to support work schedule.

2.2.6 Temporary Storage of Waste Trailers - The Owner will make available two separate and distinct areas where waste trailers can be stored temporarily on site. One area will be for asbestos waste dumpsters and one will be for non-asbestos construction debris. At the end of each phase of the work, the Contractor will arrange for all waste containers to be properly removed from the site and the contents properly disposed.

PART 3 -EXECUTION

3.1 ASBESTOS REMOVAL

Expose the asbestos cement pipe without disturbing the pipe. Excavate to no closer than 6 inches of the pipe. Carefully uncover the remainder of the pipe by hand or with a shovel. An assessment should then be made to determine if the pipe is damaged, cracked or broken.

3.1.1 Not Damaged (intact and not deteriorated):

3.1.1.1 Place 6 mil (0.006 inch) thick polyethylene ("poly") sheeting under the asbestos cement pipe to prevent soil contamination.

3.1.1.2 Adequately wet the asbestos cement pipe with amended water using surfactant or liquid soap before and during removal to avoid creating airborne dust.

3.1.1.3 Remove the asbestos cement pipe to the nearest coupling (bell or compression fitting).

3.1.1.4 Slide the pipe apart at the joints (no saw cutting) or use other methods that do not cause the pipe to become friable or release asbestos fibers.

3.1.1.5 Wrap the wet asbestos cement pipe in two layers of 6 mil polyethylene sheeting, seal with duct tape and label in accordance with OSHA requirements. This can be done in the trench or adjacent to the trench.

3.1.2 Damaged (not intact, deteriorated, or when saw cutting necessary)

If the ACP is damaged or deteriorated, (or in any way made friable), then the Contractor must stop work. A licensed abatement contractor must conduct the removal of the ACP.

3.1.2.1 Place 6 mil (0.006 inch) thick polyethylene ("poly") sheeting under the asbestos cement pipe to prevent soil contamination.

3.1.2.2 Adequately wet asbestos cement pipe with amended water where cutting or breaking will occur.

3.1.2.3 Saw cutting of asbestos cement pipe shall only be conducted within a "mini-containment" in accordance with State and/or federal regulation unless such activity is conducted using HEPA exhausted, shrouded cutting equipment.

3.1.2.4 Wrap wet asbestos cement pipe in two layers of 6 mil polyethylene sheeting, seal with duct tape and label. This can be done either in the trench or adjacent to the trench.

3.1.2.5 Manage wrapped asbestos cement pipe, polyethylene sheeting and any other material contaminated with visible asbestos debris as asbestos contaminated waste material (ACWM).

3.1.3 If at any time during ACP removal it appears that contamination of areas outside the work area is suspected, the Contractor shall stop work until steps are taken to decontaminate these areas and eliminate causes of such contamination. Unprotected individuals shall be prohibited from entering contaminated areas until air sampling and visual inspections certify decontamination.

3.2 DISPOSAL OF ASBESTOS-CONTAINING WASTE

All asbestos waste shall be managed and disposed in compliance with applicable federal (NESHAPS) regulations and be appropriately handled during transport in compliance with all pertinent DOT, OSHA, DEEP, EPA and State requirements.

Any disposal of asbestos materials and asbestos waste must be authorized by the Office of Solid Waste Management pursuant to Section 22a-209-8(1) of the administrative regulations of the Department of Energy and Environmental Protection, Solid Waste Management Unit, and the Connecticut General Statutes, Section 22a-220 entitled "Municipal Provisions for Solid Waste Disposal - Toxic or Hazardous Waste Disposal." The first step in obtaining authorization is to contact the office in writing with detailed information relating to the quantities, types, sources, generator and hauler of asbestos wastes to be disposed. The Office of Solid Waste Management will provide assistance by contacting and making arrangements with a landfill owner and/or operator for disposal. Authorization will be given if it can be assured that the asbestos waste will be handled and disposed of in accordance with the following requirements.

3.3 GENERATOR AND/OR HAULER REQUIREMENTS

3.3.1 The asbestos materials must be packaged in impermeable dust tight containers (i.e. heavy duty six (6) mil plastic bags or sealed fiber pack drums):

3.3.2 All containers must be labeled according to current standards for EPA, OSHA, and DOT.

3.3.3 All trailers and/or vehicles used to transport bagged and wrapped waste from the job site, to a transfer station or approved landfill, themselves need to be lined with a minimum of one layer of six (6) mil polyethylene to ensure the transport and storage vehicle itself is leak proof (airtight and watertight).

3.3.4 The landfill accepting the wastes must be notified before shipping for scheduling to insure that adequate personnel and apparatus are available at the time of disposal; and

3.3.5 The asbestos materials must be delivered in separate shipments. It must not be transported with any other materials.

3.3.6 The Contractor is responsible for all appropriate waste manifest records, including daily departure of waste from the site to transfer stations or an approved landfill. The requisite three part waste manifest form (per NESHAPS) needs to be kept on site to cover the tracking of the waste from site to transfer station, from

generator to hauler, from hauler to landfill operator. No asbestos shall be taken from the site, nor transferred without this waste manifest.

3.6.2 FINAL PAYMENT AFTER DISPOSAL

FINAL PAYMENTS FOR THE WORK WILL NOT BE REMITTED UNTIL A FULLY COMPLETED LIEN WAIVER AND ALL OF THE WASTE MANIFESTS FOR THE SPECIFIC SITE HAVE BEEN SIGNED AND RETURNED TO THE OWNER.

3.6.3 ADDITIONAL REQUIREMENTS

All applicable rules and regulations are to be followed as required by the Department of Labor's Occupational Safety and Health standards and the United States Environmental Protection Agency's Regulations on National Emission Standards for Hazardous Air Pollutants and the United States Department of Transportation. Only after full compliance with the above requirements, verified in writing by way of the waste manifests, will the Contractor be released from the project.

PART 4 – METHOD OF MEASUREMENT

The work under this item shall be measured along the longitudinal axis of the disassembled intact (ACP) pipe route by linear foot. Any pipe couplings and pipe fittings will be measured along the longitudinal axis only of the coupling or fitting. Shattered fragments of pipe will not be measured separately.

PART 5 – BASIS OF PAYMENT

The work under this Item will be paid for by the cost per linear foot (LF) for the disassembled intact ACP pipe. Said cost shall include all labor, materials, equipment, transport, disposal, permits and fees associated with this work.

SECTION 1.08 - PROSECUTION AND PROGRESS

Article 1.08.07 - Determination of Contract Time:

Add the following:

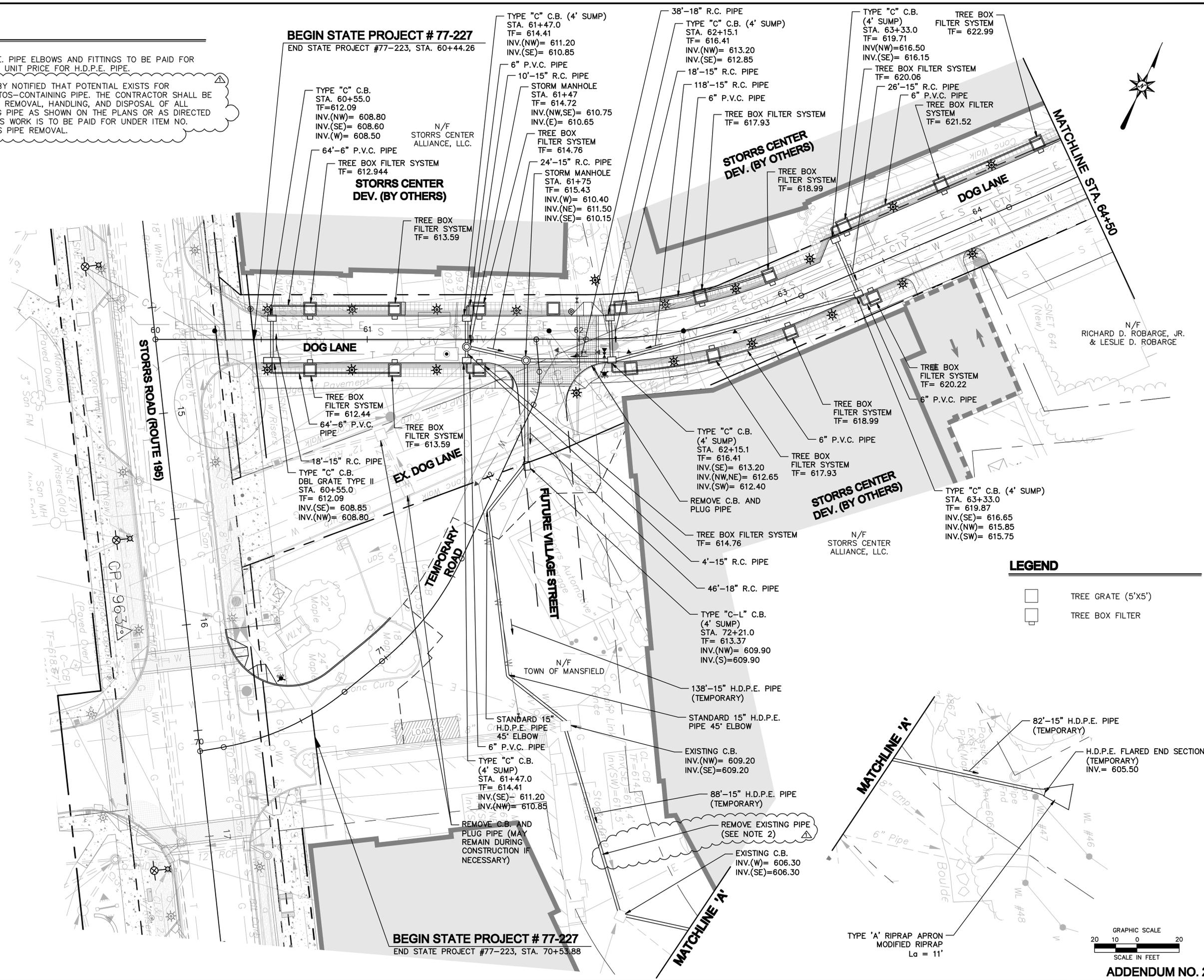
When the contract time is on a calendar day basis, it shall be the number of consecutive calendar days stated in the contract, INCLUDING the time period from December 1, 2011 through March 31, 2012 and EXCLUDING the time period from December 1, 2012 through March 31, 2013. The contract time will begin on the effective date of the Engineer's order to commence work, and it will be computed on a consecutive day basis, including all Saturdays, Sundays, Holidays, and non-work days.

GENERAL NOTES:

1. ALL STANDARD H.D.P.E. PIPE ELBOWS AND FITTINGS TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR H.D.P.E. PIPE.
2. CONTRACTOR IS HEREBY NOTIFIED THAT POTENTIAL EXISTS FOR ENCOUNTERING ASBESTOS-CONTAINING PIPE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL, HANDLING, AND DISPOSAL OF ALL ASBESTOS-CONTAINING PIPE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THIS WORK IS TO BE PAID FOR UNDER ITEM NO. 0101016A - ASBESTOS PIPE REMOVAL.

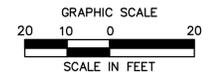


**ROUTE 195 (STORRS ROAD) IMPROVEMENTS
and DOG LANE IMPROVEMENTS
STORRS ROAD (ROUTE 195) AND DOG LANE
MANSFIELD, CONNECTICUT**



LEGEND

- TREE GRATE (5'X5')
- TREE BOX FILTER



SCALE IN FEET
ADDENDUM NO. 2

REVISIONS	
No.	Date
1	1/06/12

Desig.	D.K.P.
Drawn	E.L.Z. / J.I.G.
Checked	
Approved	
Scale	1"=20'
Project No.	08C3079-B
Date	10/03/11
CAD File	TRN08C3079B01

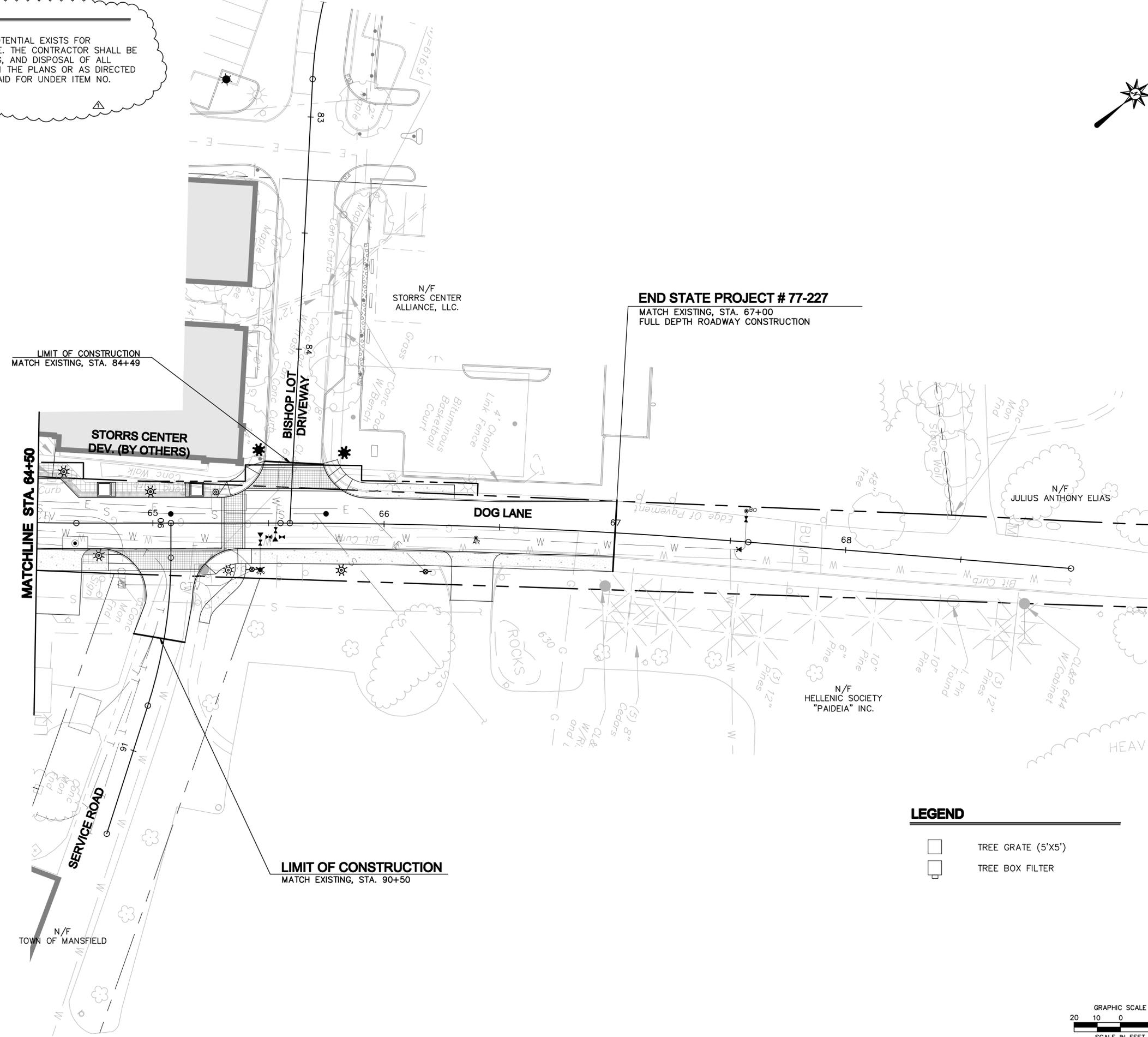
Title	
DOG LANE ROADWAY DRAINAGE PLAN	
Sheet No.	
DRN-4	

Jan 08, 2012 12:44pm S:\Source K:\Jabaci\3\035667\DWG\TRN08C3079B01-ADD_2.dwg
 Layout: DRN-4_24X36_60pc

THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES

GENERAL NOTES:

1. CONTRACTOR IS HEREBY NOTIFIED THAT POTENTIAL EXISTS FOR ENCOUNTERING ASBESTOS-CONTAINING PIPE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL, HANDLING, AND DISPOSAL OF ALL ASBESTOS-CONTAINING PIPE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THIS WORK IS TO BE PAID FOR UNDER ITEM NO. 0101016A - ASBESTOS PIPE REMOVAL.



END STATE PROJECT # 77-227

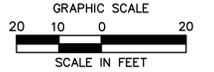
MATCH EXISTING, STA. 67+00
 FULL DEPTH ROADWAY CONSTRUCTION

LIMIT OF CONSTRUCTION
 MATCH EXISTING, STA. 84+49

LIMIT OF CONSTRUCTION
 MATCH EXISTING, STA. 90+50

LEGEND

- TREE GRATE (5'X5')
- TREE BOX FILTER



**ROUTE 195 (STORRS ROAD) IMPROVEMENTS
 and DOG LANE IMPROVEMENTS
 STORRS ROAD (ROUTE 195) AND DOG LANE
 MANSFIELD, CONNECTICUT**

REVISIONS	
No.	Date
1	1/06/12

Desc.	ADDDENDUM NO. 2
-------	-----------------

Designed	D.K.P.
Drawn	E.L.Z. / J.I.G.
Checked	
Approved	
Scale	1"=20'
Project No.	08C3079-B
Date	10/03/11
CAD File	TDRN08C3079B01

**DOG LANE
 ROADWAY
 DRAINAGE PLAN**

Sheet No.

DRN-5

ADDENDUM NO. 2