

GENERAL BID FORM
EMERGENCY REPAIR AND INSTALLATION OF SEWER AND DRAIN LINES

Bidder agrees to perform all the work described in the specifications and shown on the plans for the following unit prices:

Note: All prices must be written in ink, in words as well as figures, for the entire proposal. In case of discrepancy, the amount shown in words will govern. The CONTRACTOR agrees that its attention has been called to the provisions of the "Reserve System" Ordinance of the City of Lowell, which is now incorporated in "The Code of the City of Lowell, Massachusetts", passed by the City Council on April 26, 1988 and amendments thereto and that each purchase order, so-called, issued in accordance with Section 7-76 of said Code to cover the services to rendered under this Contract shall be made a part hereof by reference. It is further agreed that no obligations shall be considered to have been incurred under this Contract unless and until a purchase order shall have been issued and approved. And further, that the obligation incurred shall be limited to the amount set forth in each purchase order, or purchase orders, duly issued and approved.

Item No.	Quantity	Unit	Item With Unit Bid Price (in Words)	Unit Price	Total Amount
140.25	100	CU YD	Class B Rock Excavation		
142	100	CU YD	Class B Trench Excavation		
150	100	CU YD	Ordinary Borrow		
151.2	100	CU YD	Process Gravel for Backfilling Structures and Pipes		
156	100	Ton	Crushed Stone for Drainage		
201	25	Each	City Standard Catch Basin		
202	20	Each	Manholes		
220	25	Each	Drainage Structures Adjusted		
220.5	100	Each	Drainage Structures Remodeled		
234.6	50	FT	6 Inch Pipe		

Item No.	Quantity	Unit	Item With Unit Bid Price (in Words)	Unit Price	Total Amount
234.8	200	FT	8 Inch Pipe		
234.10	200	FT	10 Inch Pipe		
234.12	200	FT	12 Inch Pipe		
234.15	100	FT	15 Inch Pipe		
234.18	50	FT	18 Inch Pipe		
234.24	50	FT	24 Inch Pipe		
234.36	25	FT	36 Inch Pipe		
460	300	TON	Permanent Hot Mix Asphalt		
472	300	TON	Hot Mix Asphalt for Miscellaneous Work		
476	25	CU YD	Cement Concrete Pavement		
WW.1	10	CU YD	Class A Cement Concrete		
WW.2	150	FT	Repair 6" Catch Basin Connection		
WW.3	2	FT	Slotted Drains		

Item No.	Quantity	Unit	Item With Unit Bid Price (in Words)	Unit Price	Total Amount
WW.5	150	FT	Emergency 6" Private Service Repair		
WW.6	500	CU YD	Control Density Fill (CDF)		
999.001	1		Police Detail Twenty Five Thousand and 00/100	\$ 25,000.00	\$ 25,000.00
TOTAL					
				AMOUNT IN WORDS	FIGURES

BASIS OF AWARD LOWEST RESPONSIVE & RESPONSIBLE BIDDER

The City of Lowell has the option of continuing this contract for three years contingent upon appropriation of funds. All quantities are written for one year (multiply by three for total contract). The prices set forth will be fixed prices for all three years. In other words, the amount above is for one year and the **total contract would be the amount multiplied by three.**

The undersigned agrees that, if he is selected as general contractor, he will within ten (10) days, Saturdays, Sundays and legal holidays excluded, after presentation thereof by the awarding authority, execute a contract in accordance with the terms of the general bid and furnish a performance bond and also a labor and materials or payment bond, each of a Surety company qualified to do business under the laws of the Commonwealth and satisfactory to the awarding authority in the sum of one hundred percent (100%) of the contract price, the premiums for which are to be paid by the general contractor and are included in the contract price.

The undersigned hereby certifies that he is able to furnish labor and can work in harmony with all other elements of labor employed or to be employed on the work.

Date: _____

(Name of General Bidder)

BY: _____

(Signature)

(Title of Signer)

(Business Address)

(City and State)

(Phone Number)

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CITY OF LOWELL
LOWELL REGIONAL WASTEWATER UTILITY
EMERGENCY REPAIR AND INSTALLATION OF SEWER AND DRAIN LINES
SPECIFICATIONS

For the purpose of governing the work to be done under this this Contract, the Owner has adopted as its Standard Specifications format the "Standard Specifications for Highways and Bridges" published by the Commonwealth of Massachusetts, Department of Transportation, dated 1988, including the Supplemental Specifications dated February 25, 2010 and any addenda thereto, also those ordinance that pertain to construction of new manholes and catch basins, installation of various sizes of pipe and adjusting and remodeling catch basins and manholes in the City Code.

The Standard Specifications shall apply as if reprinted herein, except as modified by the following supplement to Standards and further by the Special Provisions in Division II and the Provisions in Division III.

In the case of conflict between these two documents, the Supplement to Standards, the Special Provisions of Divisions of II and III shall govern.

STANDARD SUPPLEMENT TO DIVISION I

SECTION 1.00 DEFINITION OF TERMS:

Delete the following: "Commission, Commonwealth, Department, and Party of the First Part".

Insert the following: "Owner.... City of Lowell"

THE FOLLOWING DEFINITIONS ARE REVISED:

1.19 "Engineer" Delete description and insert: "The Engineer" shall mean the engineer engaged by the Owner for the general supervision of the project".

Wherever in the specifications the following words or terms appear, they shall be held to have the following meanings unless the context requires otherwise:

"Commonwealth of Massachusetts", "Commonwealth", "Party of the First Part", and Contracting Agency" shall mean the City of Lowell.

"Department of Highways", "Department of Transportation" and "Department" shall mean "Engineer".

DIVISION II SPECIAL PROVISIONS

For the purpose of governing the work to be done under this this Contract, the Owner has adopted as its Standard Specifications format the "Standard Specifications for Highways and Bridges" published by the Commonwealth of Massachusetts, Department of Transportation, dated 1988, including the Supplemental Specifications dated February 25, 2010.

The Standard Specifications shall apply as if reprinted herein, except as modified by the following Supplement to Standards and further by the Special Provisions in Division II and the Provisions in Division III.

In the case of conflict between these two documents, the Supplement to Standards, the Special Provisions of Divisions II and III shall govern.

1. LOCATION AND DESCRIPTION:

The work under this contract consists of construction of new manholes and catch basins, installation of various sizes of pipe, repair of existing pipes and adjusting and remodeling catch basins and manholes at various locations in the City of Lowell, Massachusetts, in accordance with Specifications prepared by the Lowell Regional Wastewater Utility.

Work under this item shall include all necessary labor, equipment, materials, etc., necessary to complete the construction of new manholes and catch basins, installation of various sizes of pipe, repair of pipes and adjusting and remodeling catch basins and manholes at various locations in the City of Lowell, in a workmanlike manner.

2. COMMENCEMENT AND COMPLETION:

The contractor shall commence work within 10 days of the date specified in a written Notice to Proceed. Work shall be done on weekdays, Monday through Friday, and be vigorously pursued until completed. Adequate lighting and safety signing shall be maintained throughout the project.

2A. SAFETY PROCEDURES:

Confined space entry, restricted space entry, and all other safety procedures will be required as set forth by Lowell Regional Wastewater Utility.

3. CONSTRUCTION SCHEDULE:

Before any work is begun, the contractor shall discuss fully with the Engineer the order and manner of doing the work, and the operating procedures shall comply with the requirements of the Engineer.

Prior to commencing of work, the Contractor shall provide a written work schedule for the work with an estimated time of completion. The work schedule of work must be approved by the engineer.

4. INSURANCE:

Section 7.05 is modified to include the following:

1. Contractor's and Sub-contractor's insurance

The contractor and sub-contractor's shall not commence work on this Contract until they have submitted certificates satisfactory to the owner as evidence of all insurance required under this paragraph. Certificates should indicate at least a 10 day advance written notice to the owner of cancellation or material change in coverage.

- a. Workers' Compensation and Employer's Liability Insurance: In accordance with the laws of the Commonwealth of Massachusetts.
- b. Contractor's and subcontractor's public liability and property damage insurance
- c. Contractor's protective public liability and property damage insurance
- d. Owners protective public liability and property damage insurance
- e. Contractor and subcontractor automobile liability insurance

Minimum limits on all foregoing insurance:

Bodily Injury:	\$500,000.00	per person
	\$1,000,000.00	per occurrence
Property Damage:	\$250,000.00	per person
	\$500,000.00	agg/policy year

NOTE: Property damage insurance must include XCU coverage for explosion collapse or underground damage.

5. DISPOSAL OF MATERIAL

The contractor shall not dispose of any material on the owner's property or on land adjacent to the owner's property unless authorized to do so in writing by the engineer and then only after receipt of the necessary City permits. Attention of the contractor is directed to Section 4.10 of the Standard Specifications for the final clean-up of the work.

6. DISTURBANCES

The committing of nuisances on the premises of the owner and adjacent property shall be rigorously prohibited and adequate steps taken to prevent it.

7. RESTRICTIONS AS TO USE OF SITE

The contractor shall conduct his operations in such a manner as to cause no unnecessary obstruction to the free passage of the vehicular traffic at all times in the vicinity of the construction.

8. ADJACENT AND CONCURRENT CONTRACTS

The contractor's attention is directed to Section 5.06 of the Standard Specifications.

9. NOTICE OF OWNERS OF UTILITIES

Before the contractor begins any work or operations which might damage any subsurface structures, he shall carefully locate all such structures and conduct his operations so as to avoid any damage to them.

If the contractor wishes to have any utilities temporarily relocated for his own convenience, other than contemplated by the City, he shall make the necessary arrangement with the owners and reimburse them at his own expense for the cost of work.

The contractor shall serve written notice to, as listed below, all public service corporations or officials concerned with or having charge of public or privately owned utilities at least one week in advance of the beginning of operation. He shall file at the same time, a copy of such notice with the owner.

Lowell Water Utility	978-674-4240
Lowell Regional Wastewater Utility	978-674-4248
Lowell Engineering Department	978-674-4070
National Grid Gas-David Gendall	978-725-1353
National Grid Electric- David Gendall	978-725-1353
Verizon Telephone	877-686-7007
Comcast	877-633-4266
Lowell Fire Alarm/Electrician	978-674-4114

10. SALES TAX

Materials and equipment purchased for permanent installation in this project will be exempt from the Massachusetts Sales and User Tax. The exemption certificate number will be furnished by the Contractor. Each bidder shall take this exemption into account in calculating the bid for the work.

11. ANTI-DISCRIMINATION CLAUSE

In connection with the performance of work under this contract, the contractor agrees not to discriminate against any employee or applicant for employment because of race, color, religious creed, national origin, age or sex. The aforesaid provisions shall include, but not be limited to the following: Employment upgrading, demotion, or transfer; recruitment advertising; layoff or termination; rates of pay or other forms of compensation; conditions or privileges of employment;

and selection for training, including apprenticeship. The Contractor shall post hereafter in conspicuous places, available for employees and applicants for employment, notices to be provided by the Commonwealth setting forth the provisions of the Fair Employment Practices Law of the Commonwealth (M.G.L. Chapter 151B).

12. RESIDENT CONSTRUCTION PERSONNEL ORDINANCE

The contractor agrees that his/her attention has been called to the provisions of the Resident construction Personnel Ordinance of the City of Lowell, which is now incorporated in the "Code of Ordinance of the City of Lowell, Massachusetts," passed by the City Council on July 24, 1990, and amendments thereto. This ordinance mandates the employment of the City of Lowell residents on projects involving construction of public buildings or public works projects. A copy of the Ordinance is included in the appendix.

**DIVISION III
CONSTRUCTION DETAILS**

The Standard Specifications referred to herein is the book entitled "Standard Specifications for Highways and Bridges" published by the Commonwealth of Massachusetts Department of Transportation, dated 1988, including the "Supplement Specifications".

For the purpose of governing the work to be done under this contract, the owner has adopted as its Standard Specifications format the "Standard Specifications for Highways and Bridges" published by the Commonwealth of Massachusetts, Department of Transportation, dated 1988.

This Standard Specifications shall apply as if reprinted herein, except as modified by the following Technical Specifications.

In case of conflict between these documents, the Technical Specifications shall prevail.

A Trench Detail for this contract has been included in Appendix A. The detail shows the City of Lowell requirements for any trench excavation within City streets.

SECTION 140

EXCAVATION

Compensation for all excavation, sewer and water pipes, and structures shall be included in the amount bid for the various pipe and structure items. No additional compensation shall be paid for excavation to the limits shown on the drawings, except that class B rock shall be paid for under Item 140.25. Any excavation required beyond the limits shown on the drawings shall be paid for under Class B Trench Excavation, except that Class B Trench Excavation shall not be governed by the five foot maximum depth specified in Subsection 140.60 and will only be paid when overdepth excavation is ordered by the engineer.

ITEM 140.25

CLASS B ROCK EXCAVATION

CUBIC YARD

Work under this item shall conform to Section 140.25 of the Standard Specifications, excavation of cobble stone and cement base shall be included for payment under this item.

ITEM 142

CLASS B TRENCH EXCAVATION

CUBIC YARD

Payment for work under this item shall include only excavation ordered by the engineer beyond the limits shown on the drawings and shall not be governed by the five foot maximum depth specified in Subsection 140.60.

ITEM 150

ORDINARY BORROW

CUBIC YARD

Work under this item shall consist of placing and compacting ordinary borrow in place of unsuitable material found in trench excavation. Ordinary borrow shall conform to the requirements of materials section M1.01.0 of the Standard Specifications.

ITEM 151.2 PROCESS GRAVEL FOR BACKFILLING STRUCTURES AND PIPES CUBIC YARD

Work under this item shall consist of placing and compacting process gravel conforming to materials section M1.03.1 of the Standard Specifications in the roadway or other areas designated by the Owner. All trench compaction must be done to the Engineer's satisfaction and in accordance with City of Lowell requirements.

ITEM 156 CRUSHED STONE FOR DRAINAGE TON

Work under this item shall consist of placing crushed stone as directed by the owner for trench stabilization and drainage. Payment for crushed stone required for pipe bedding shall not be paid for under this item as it is to be included in the various pipe items.

ITEM 201 CITY STANDARD CATCH BASIN EACH

Work under this item shall consist of furnishing and installing City Standard Catch Basins as shown on the drawings. Payment under this item shall include compensation for excavation and backfill. **New frame and cover will be used on new catch basins.**

ITEM 202 MANHOLES EACH

Work under this item shall consist of furnishing and installing City of Lowell Standard Precast Manholes, as show on the drawings including frames and covers, at the locations shown on the drawings or as directed by the Engineer. Payment for work under this item shall include excavation and the furnishing and installation of the manhole complete in place. Frames and covers will be provided by the utility. Cost of steps shall be included in the price of the manhole and shall conform to the detail shown in the appendix. Included in this item is payment for forming clay brick inverts. **ALL EXTERIOR SURFACES TO BE ASPHALT COATED.**

ITEM 220 DRAINAGE STRUCTURE ADJUSTED EACH
ITEM 220.5 DRAINAGE STRUCTURE REMODELED EACH

Work under these Items shall all be in accordance with Section 220 of the Standard Specifications.

<u>ITEM 234.6</u>	<u>6" PIPE</u>	<u>FOOT</u>
<u>ITEM 234.8</u>	<u>8" PIPE</u>	<u>FOOT</u>
<u>ITEM 234.10</u>	<u>10" PIPE</u>	<u>FOOT</u>
<u>ITEM 234.12</u>	<u>12" PIPE</u>	<u>FOOT</u>
<u>ITEM 234.15</u>	<u>15" PIPE</u>	<u>FOOT</u>
<u>ITEM 234.18</u>	<u>18" PIPE</u>	<u>FOOT</u>

ITEM 234.24
ITEM 234.36

24" PIPE
36" PIPE

FOOT
FOOT

Description, Construction Methods and Method of Measurement and Basis of Payment shall all be in accordance with all the applicable provisions of Section 230 of the Standard Specifications with the exception of 230.62: Pipe Joints.

Water tight joints will be required and the applicable paragraphs of 230.62, pipe joints shall be followed. The contractor will have the alternative of using SDR-35 PVC sewer pipe or equivalent. All excavation, dewatering, backfilling and compaction shall be included in the contract unit price per foot of pipe (refer to the Trench Detail Specification). Process gravel shall conform to M1.03.01 and paid for separately under item 151.2 Basis of Payment shall be per foot of pipe installed complete and in place.

ITEM 460
ITEM 472

PERMANENT HOT MIX ASPHALT
HOT MIX ASPHALT FOR MISCELLANEOUS WORK

TON
TON

Work under this item shall be done in conformance with the relevant provisions of Section 460 of the Standard Specifications. Temporary hot mix asphalt shall consist of a twelve inch (12") minimum gravel base on thoroughly compacted subgrade, surfaced with a two inch (2") course of hot mix asphalt. A two inch (2") course of an approved cold bituminous mix shall be used when hot mix is not available.

Permanent pavement shall not be placed until a sufficient time interval has elapsed, in the opinion of the Engineer, to allow complete settlement of the fill.

Permanent road pavement shall consist of a twelve inch (12") minimum gravel base on the roughly compacted subgrade, surfaced with two courses of hot mix asphalt (2-1/2" base course, 1-1/2 top course). When paving over cobblestone roads permanent pavement shall consist of three courses of hot mix asphalt (Two 2½" binder courses, 2" top course).

Temporary pavement shall be removed as necessary to provide depth required for permanent pavement. Payment for removal of temporary pavement shall be included in the price bid for Item 472.

Where gravel base has been previously placed for temporary pavement, no additional base is needed for the permanent pavement, except that required to bring uneven areas up to required grade.

Temporary Bituminous Concrete Pavement and Permanent Bituminous Concrete Pavement shall be paid at the unit contract price per ton.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY SETTLEMENTS IN THE PAVEMENT AT HIS OWN EXPENSE.

PAYMENT LIMITS FOR PAVING ARE SHOWN ON THE DRAWINGS. ANY PAVEMENT BEYOND THESE LIMITS DISTURBED BY THE CONTRACTOR SHALL BE REPLACED AT HIS OWN EXPENSE.

<u>ITEM 476</u>	<u>CEMENT CONCRETE PAVEMENT</u>	<u>CUBIC YARD</u>
<u>ITEM WW.1</u>	<u>CLASS A CEMENT CONCRETE</u>	<u>CUBIC YARD</u>

Work under this item shall be done in conformance with the relevant provisions of Section 476 of the Standard Specifications. Class A Cement Concrete shall conform to the specified requirements of the materials Section M4.05.5 of the Standard Specifications.

A Cement Concrete shall be used as ordered by the Engineer and shall be paid for at the unit contract price per cubic yard.

<u>ITEM WW.2</u>	<u>REPAIR 6" CATCH BASIN CONNECTIONS</u>	<u>FOOT</u>
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This work shall consist of the repair of existing sanitary and storm drain lines where and when necessary in various locations in the City.

When the need arises, the Contractor shall provide and/or perform the necessary sheeting, shoring, dewatering, bypass pumping, excavation, material, backfill, washed gravel, etc., to complete the necessary repairs to the pipe lines in question. Location of the section of pipe, pipe size, depth etc., shall be supplied by the Engineer. The repair work, backfilling, compaction and repaving shall all be done in a workmanlike manner under the direction of the Engineer.

The work under this item shall be paid at the contract price per foot. The price per foot shall include full compensation for all labor, material, equipment, pipe, stone, excavation, backfill, couplings, etc.

<u>ITEM WW.3</u>	<u>SLOTTED DRAINS</u>	<u>FOOT</u>
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Work under this item shall include furnishing and installation of 12" slotted drains with 6" deep slots including concrete backfill. Slotted drains shall be as manufactured by Armco or approved equal. Pipe shall be 12" - 16 gauge corrugated galvanized steel with 1-3/4 inch wide slot opening. The work under this item shall be paid per foot. The price per foot shall include all excavation, dewatering, backfilling and compaction.

<u>ITEM WW.5</u>	<u>EMERGENCY 6" PRIVATE SEWER REPAIR</u>	<u>FOOT</u>
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This work shall consist of the repair of existing private sewer connections to buildings where and when necessary in various locations in the City.

When the need arises, the Contractor shall provide and/or perform the necessary sheeting, shoring, dewatering, bypass pumping, excavation, material, backfill, washed gravel, etc., to

complete the necessary repairs to the pipe line in question. The repair work, backfilling, compaction and repaving shall all be done in a workmanlike manner under the direction of the Engineer.

The work under this item shall be paid at the contract price per foot. The price per foot shall include full compensation for all labor, material, equipment, pipe, stone, excavation, backfill, couplings, etc.

ITEM WW.6

CONTROL DENSITY FILL (CDF)

CUBIC YARD

The CDF shall flow under and around the pipe, conduit, facility, or bedding material providing uniform support without leaving voids. CDF shall be discharged from the mixer by a reasonable means into the trench area to be filled. Filling operations shall proceed simultaneously on both sides of the pipe, conduit or facility so that the two fills are kept at approximately the same elevation at all times. An external load shall be applied to the pipe or conduit, sufficient to hold it in place before filling.

The trench in all cases shall be filled to the bottom of the existing pavement to provide space for the pavement restoration. CDF will be used under the City's digression and shall conform to the requirements of materials section M4.08.0 Type 2E of the Standard Specifications.

ITEM 999.001

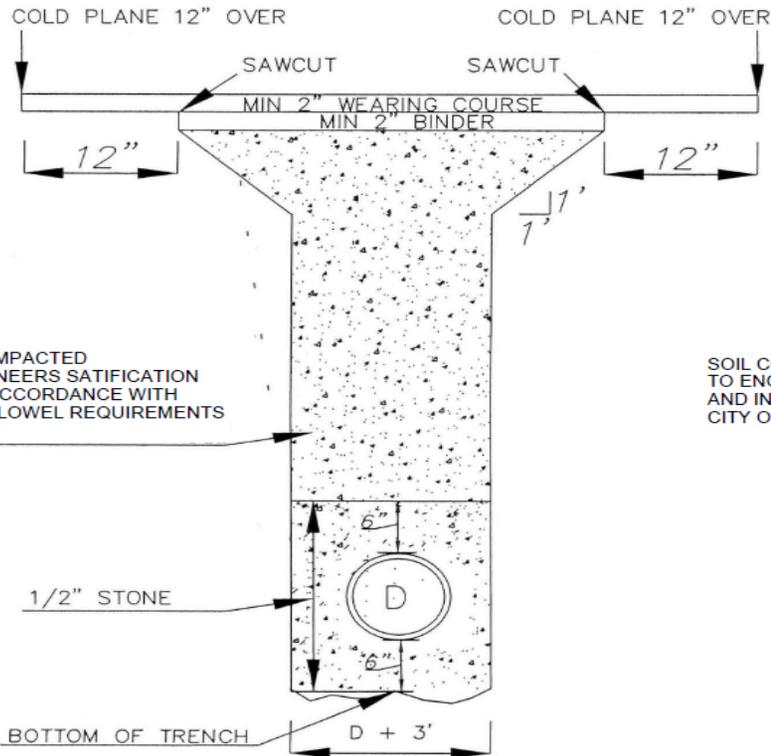
TRAFFIC POLICE

The contractor is responsible for police detail up to \$25,000.

APPENDIX A

TRENCH DETAIL

20' LONG OR GREATER



LESS THAN 20'

