CATCH BASIN / DRAIN PIPE
CLEANING AND
INSPECTION PROGRAM
FY21-270-01
July 2020

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INVITATION TO BID

Sealed bids will be received at the Environmental Protection Division, 300 Winston Street, Manchester, New Hampshire, before or at 2:00 PM prevailing time on July 17, 2020 for the following:

**Catch Basin / Drain Pipe Cleaning and Inspection Program FY21-270-01**

Bid Invitations and specifications will be available at the City of Manchester, Environmental Protection Division Offices, 300 Winston Street, Manchester, NH or online at:

http://www.manchesternh.gov/bids

Questions regarding this project should be directed to Mr. Benjamin Lundsted, P.E., Environmental Permits Coordinator, at (603) 624-6527.

The Public Works Director reserves the right to waive any irregularities, reject any or all bids, and to accept the bid that appears to be in the best interest of the Owner. Failure to submit all information called for may be sufficient for disqualification.

Kevin A. Sheppard, P. E.
Public Works Director
GENERAL REQUIREMENTS:

1. Bids will be received by the City of Manchester, New Hampshire at the place and until the
time specified in the Invitation to Bid and then publicly read aloud for the information of
Bidders and others properly interested who may be present either in person or by
representative. **NO BIDS WILL BE ACCEPTED AFTER TIME AND DATE
SPECIFIED.**

2. The following meanings are attached to the defined words when used in this document:
   a. The word "owner" means City of Manchester, New Hampshire.
   b. The word "bidder" means the person, firm, or corporation submitting a bid
      on these specifications or any part thereof.
   c. The word "contractor" means the person, firm, or corporation with whom
      the Contract is being made by carrying out the provisions of this Sealed Bid
      Request and the Contract.
   d. The words "firm price" shall mean a guarantee against price increase
during the life of the Contract.

3. Strict compliance with the requirements of the Invitation to Bid, terms and conditions, and
   the instructions printed is necessary. All blank spaces must be filled in. Any changes
   and/or corrections shall be marked in red and initialed by the person making such
   corrections. Signatures of the responsible owner/representative of the firm must be in ink.
   No reproductions/duplications/copies will be accepted.

4. Each Bid must give the full business address of Bidders and be signed by the person with
   their usual signature. Bids by partnerships must furnish the full names of all partners and
   must be signed with the partnership name by one of the members of the partnership or by
   an authorized representative, followed by the signature and title of the person signing. Bids
   by corporations must be signed with the legal name of the corporation, followed by the
   state of incorporation and by the signature and title of president, secretary, or other person
   authorized to bind it in the matter. The name of each person signing shall also be typed or
   printed below the signature. A Bid by a person who affixes to his signature the word
   "president", "secretary", "agent", or other title without disclosing his principal may be held
to be the Bid of the individual signing. When requested by the Owner, satisfactory evidence
of the authority of the officer signing on behalf of the corporation shall be furnished. All
Bids must be signed by an authorized, responsible officer or employee having the capacity
to enter into contracts.

5. Bids must be securely sealed in a suitable envelope, (facsimile and emailed submissions
   will not be accepted) addressed and marked on the outside as follows:
The entire solicitation document is to be returned when submitting a Bid, unless otherwise directed by the solicitation document. Failure to return all pages may result in a determination that the submittal is non-responsive.

**PLEASE NOTE: THE CITY OF MANCHESTER IS NOT RESPONSIBLE FOR BIDS NOT PROPERLY MARKED.**

6. It will be the responsibility of the Bidder to see that their Bid is received by the Purchasing Division as specified.

7. Each Bid is received with the understanding that the acceptance in writing (via email) by the Owner of the Bidder to furnish any or all of the product/services described therein or as otherwise negotiated, shall constitute a contract between the Bidder and the Owner, which shall bind the Bidder on his part to furnish and deliver the articles offered at the prices agreed upon and in accordance with the terms and conditions of said accepted Bid; and the Owner on its part to order from such contractor, except for causes beyond reasonable control; and pay for, at the agreed prices, all product/services specified and delivered.

8. A contract agreement will be in the form customarily employed by the Owner and will incorporate the original Invitation to Bid and all the terms and conditions of the sealed bid invitation. A copy of the contract agreement is attached hereto.

9. Bids may be withdrawn upon written or electronic request received from Bidders prior to the time affixed for opening. Requests may be sent via email to the attention of Benjamin Lundsted, at blundsted@manchesternh.gov. Negligence on the part of the Bidder in preparing the Bid confers no right for the withdrawal of the Bid after it has been opened.

10. The solicitation document maintained by the Owner, in the Bid file folder, shall be considered the official copy. In the case of any inconsistency between Bid documents submitted to the Owner, but not clearly listed on the exception page of the document or as an exception by the Bidder, the language of the official copy shall prevail. Furthermore, any exception or changes to the specifications made by the Bidder may cause to disqualify your Bid.

11. No oral interpretations will be made to any Bidder as to the meaning of the specifications or terms and conditions of this sealed bid invitation. Every request for such interpretation or request for a change in the specifications or terms and conditions shall be made in writing addressed and forwarded to the Owner Representative:

    **City of Manchester**  
    **Environmental Protection Division**  
    **300 Winston Street**  
    **Manchester, NH 03103**  
    **Attn: Benjamin Lundsted, P.E.**
Questions must be received in writing no later than five (5) business days before the bid opening date and time. Every interpretation made to a Bidder will be in the form of an addendum to the Sealed Bid Invitation which, if issued, will then be posted on the website: www.manchesternh.gov/bids. All such addenda shall become a part of the complete Sealed Bid Invitation. It is the Bidder’s responsibility to check the website prior to the submittal deadline to ensure that the Bidder has a complete, up-to-date bid package.

12. Bids that are incomplete, not properly endorsed or signed, or otherwise contrary to these instructions may be rejected as informal by the Owner. The Bid must be filled out completely and accurately.

13. If issued, addenda to this solicitation will be posted in the Purchasing Department’s Website: www.manchesternh.gov/bids. It is the Bidders responsibility to check the Website prior to the submittal deadline to ensure that the Bidder has a complete, up-to-date package.

14. Bids must be submitted on the Bid Schedule hereinafter provided. Prices shall be clearly and fully stated in units of quantities specified. No additional charges shall be passed to the Owner, including any applicable taxes, delivery or surcharges that have not already been disclosed on the bid schedule. In case of discrepancy in computing the amount of the bid, the unit prices quoted will govern.

15. Quotations should include all charges for delivery, packing, crating, containers, etc. Unless otherwise stated by the Bidder, prices quoted will be considered as being based on delivery to the destination designated, including any and all freight (including mileage) and packing charges.

16. As the Owner is exempt from the payment of federal excise taxes, all prices quoted herein are not to include these taxes.

17. Prices stated shall remain firm for the duration of the contract. It is understood and agreed that should any price reductions occur between the opening of this bid and the delivery of any order, the benefit of any such reductions will be extended to the Owner.

18. It is understood and agreed that in the event of failure on the part of the Bidder to indicate date of delivery and/or completion, delivery and/or completion will be made within five (5) days from date of notification. Should the successful bidder fail to make delivery or complete the contract within time specified, the Owner reserves the right to make the purchase at the open market and hold the Contractor liable for any excess cost.

19. The Owner reserves the right to postpone the delivery date to allow for any change in operating conditions or for any other cause not now foreseen. In the event the Owner elects to exercise this right, all prices quoted pursuant to this Sealed Bid Invitation will remain
firm, and the Owner shall incur no additional obligation to the Contractor on account of any delay of delivery date ordered by the Owner.

20. It is agreed that deliveries and/or completion are subject to strikes, lockouts, accidents, and acts of God.

21. The Owner reserves the right to divert delivery from one location to another, and to allow for any change in operating conditions or for any other cause not now foreseen.

22. The product/services on which Bids are submitted must be of such character, quality and/or performance equivalence that it will serve as that specified. In submitted Bids on products/services other than as specified, Bidder shall furnish complete data and identification with respect to the alternate products/services they propose to furnish.

Consideration will be given to Bids submitted on alternate products/services to the extent that such action is deemed to serve the best interests of the Owner. If the Bidder does not indicate that the product/services he proposes to furnish is other than specified, it will be construed to mean that the Bidder will furnish the exact products/services.

23. Any product delivered must be standard new and unused latest model, except as otherwise specifically stated in the Bid. Where any part or the normal accessories of product is not described, it shall be understood that all product and accessories that are usually provided in the manufacturer’s stock model shall be furnished.

24. Unless qualified by the provision “NO SUBSTITUTE” or “NO EXCEPTION”, the use of the name of the manufacturer, brand make or catalog designation in specifying an item does not restrict bidders to the manufacturer, brand, make or catalog designation identification. This is used simply to indicate the character, quality and/or performance equivalence of the commodity desired. The product/services on which proposals are submitted must be of such character, quality and/or performance equivalence that it will serve as that specified. In submitting bids on product/services other than as specified, bidders shall furnish complete data and identification with respect to alternative product/services they propose to furnish.

25. Unless otherwise stated by the Bidder, the proposal will be considered as being in strict accordance with the specifications outlined in this Sealed Bid Invitation. References to a particular trade name, manufacturer's catalogue, or model number, are made for descriptive purposes to guide the Bidder in interpreting the requirements of the Owner. They should not be construed as excluding proposals on other types of materials, equipment and supplies. However, the Bidder, if awarded a Contract, will be required to furnish the particular item referred to in the specifications or descriptions unless a departure or substitution is clearly noted and described in the proposal.

26. The apparent silence of these specifications and any supplemental specifications as to any detail or the omission from the specifications of a detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail.
and correct type, size and design are to be used. All interpretations of these specifications shall be made on the basis of this statement.

27. The Owner reserves the right to waive any informality in Bids, to reject any and all Bids wholly or in part, and to make awards in a manner deemed in the best interest of the Owner.

28. Awards will be made in the best interest of the Owner. In determining what would be in the best interest of the Owner, the following shall be considered:

   a. The ability, capacity, and skill of the Bidder to perform the Contract or provide the service required;

   b. Whether the Bidder can perform the Contract or provide the service promptly or within the time specified, without delay or interference;

   c. The character, integrity, reputation, judgment, experience, and efficiency of the Bidder;

   d. The quality of performance of previous contracts or services;

   e. The previous and existing compliance by the Bidder with laws and ordinances relating to the Contract or service;

   f. The sufficiency of the financial resources and ability of the Bidder to perform the Contract or provide the service;

   g. The quality, availability, and adaptability of supplies or contractual services to the particular use required;

   h. The ability of the Bidder to provide future maintenance and services for the use of the subject of the Contract;

   i. to the "lowest responsible bidder" quoting the lowest net price in accordance with specifications;

   j. The number or scope of conditions attached to this bid.

29. The Owner reserves the right to make awards on this proposal by item or to accept all or part of the proposal or prices quoted. In addition, the Owner reserves the right to award materials on the basis of the lowest total cost of the bid item to the Owner.

   In cases where two (2) or more Bidders have the same net bid, the Owner may give preference to firms located within the City of Manchester limits.

30. The Bidder must certify that no official or employee of the City or State of New Hampshire has a pecuniary interest in the Bid or in the Contract that the Bidder offers to
execute or in the expected profits to arise there from, and that this Bid is made in good faith without fraud or collusion or connection with any other person submitting a Bid.

31. Bid security, in the form of a bid bond, deposit of cash, or certified check, bank cashier’s or bank official’s check drawn on a solvent bank, payable to the “City Finance Officer, City of Manchester” in the required amount (see specifications) must accompany each bid as a guarantee that if the proposal is accepted a contract will be entered into. Such bid deposits of all Bidders will be held by the Owner until all bids submitted shall have been canvassed and the bids have either been rejected in whole or in part or the award of the contract has been made. The bid deposit of the successful Bidder will be held until a contract is duly executed. Bid deposits will be returned to unsuccessful bidders within two (2) weeks after execution of the contract. If the successful Bidder to whom a contract shall have been awarded refuses to execute the Contract and to furnish the insurance certificate and performance and/or payment bonds herein described within ten (10) business days after award of the Contract, the amount of the bid deposit shall be forfeited to and retained by the Owner as liquidated damages for such neglect or refusal.

32. The successful Bidder will be required to furnish a bond or certified check on a solvent bank payable to the: “City Finance Officer, City of Manchester” in the required amount (see specifications) as a guarantee of the faithful performance thereof. The Bonding Company shall be authorized to conduct business in the State of New Hampshire by the State of New Hampshire’s Insurance Commissioner.

33. The successful Bidder will be required to furnish a labor and materials or payment bond or a certified check on a solvent bank payable to the “City Finance Officer, City of Manchester” in the required amount (see specifications) as security for the payment of all labor performed or furnished, and for all materials used in the fulfillment of said contract. The bonding company shall be authorized to conduct business in the State of New Hampshire by the State of New Hampshire.

34. The Bidder, if awarded an order or contract, agrees to protect, defend and hold the Owner harmless against any demand for the use of any patented material, process, article or device that may enter into the manufacture, construction or form a part of the work covered by either order or contract.

35. The Bidder if awarded a contract, agrees to defend, indemnify, and hold harmless the Owner from all damages to life and property arising out of the performance of this contract due to the Bidder's negligence, that of his employees, subcontractors, etc., or due to the negligence of the Owner, its employees, representatives, agents, etc.

36. The Revised Statutes Annotated of the State of New Hampshire, the Charter of the City, and all City Ordinances insofar as they apply to the laws of competitive bidding, contracts and purchases are made a part hereof.
37. The Bidder to whom a contract is awarded guarantees to the Owner that all items furnished under this contract shall be free of defects in design, materials and workmanship for a minimum period of two (2) years after final inspection and acceptance. The Contractor shall replace promptly any defective equipment, materials and/or workmanship required without additional cost to the Owner.

38. In the event of default by the contractor, the Owner reserves the right to procure the product/services from other sources, and hold the contractor liable for any excess cost occasioned thereby.

39. Assignment of Contract: A contract shall not be assignable by the contractor in whole or in part without the written consent of the Public Works Director or designee.

40. The Bidder, if awarded an order or contract, agrees to provide to the Owner proof of Federal Identification Number (IRS Code Section 6723). Acceptable forms of documentation are a copy of a federal tax depository ticket, copy of IRS label showing name and Federal ID Number, IRS letter of taxpayer Identification Number assigned, other correspondence from the IRS with both individual/business name and Federal Identification or stationery/bills with Federal ID Number (and firm name and address) PREPRINTED on it. Any impertinent information may be blackened out before sending to the Owner. Copies of tax returns must show taxpayer section and signature.

41. Payment Terms:
   a. Delivery and Acceptance: Upon delivery and acceptance of the product/services by the department to which it is assigned, the Contractor shall secure the signature of an authorized representative on an original delivery slip and shall provide two (2) copies of an invoice or bill of sale.

   b. Payments: Payments shall be made within 15-45 days of delivery and acceptance of contracted item(s)/services or upon receipt of a verified claim for payment, whichever is later.

42. The Bidder to whom a contract is awarded guarantees to the Owner that all warrants of merchantability and fitness for a particular purpose as provided for in New Hampshire 382A-2-314 and 2-314 shall remain in force and will not be disclaimed.

43. Any vendor who receives an order or orders resulting from this invitation agrees to submit a Material Safety Data Sheet (MSDS) for each toxic or hazardous substance or mixture containing such substance pursuant to RSA 277-A when deliveries are made. The vendor agrees to deliver all containers properly labeled pursuant to RSA 277-A. Failure to submit an MSDS and/or label on each container will place the vendor in noncompliance with the purchase order. Failure to submit MSDS and/or labels on each container may result in civil or criminal penalties, including bid debarment and action to prevent the vendors furnishing substances or mixtures. Vendors are cautioned to obtain and read the law referenced above.
FAILURE TO COMPLY WITH THESE GENERAL REQUIREMENTS COULD RESULT IN THE CANCELLATION OF AN ORDER OR CONTRACT

SPECIFICATIONS: See Pages 11 – 18.
Agreement made on this day ____________________, between the City of Manchester, a municipal corporation of the State of New Hampshire, herein referred to as “Owner”, and to __________________________, herein referred to as “Contractor”.

For the considerations set forth herein, the parties agree as follows:

1. __________________________, being the lowest responsible Bidder, shall provide to the Owner the following supplies, materials, equipment and services:

   Catch Basin / Drain Pipe Cleaning and Inspection Program FY21-270-01

   Such supplies, materials, equipment, and services shall be provided in accordance with the Bid made by __________________________, pursuant to the Request to Bid and Terms & Conditions contained in Sealed Bid Request, which is hereby incorporated by reference and made a part hereof as if set forth herein in full.

2. The Owner shall pay $______________, the price and amount set out in Contractor’s Bid on delivery to and acceptance by Owner of the supplies, materials, equipment, and services herein described, and on filing by __________________________ and approval by the Owner of a verified claim for the amount due.

3. The agreement shall be inoperative during such period of time as delivery or acceptance may be rendered impossible by reason of fire, strike, act of God, government regulation, or other cause beyond the control of either party.

4. This agreement shall be binding on the assigns and successors of the parties.

IN WITNESS WHEREOF, the parties have executed this agreement at 300 Winston Street, Manchester, New Hampshire on the day and year first above written.

Contractor

____________________________

IN WITNESS WHEREOF, the parties have executed this agreement at 300 Winston Street, Manchester, New Hampshire on the day and year first above written.

CITY OF MANCHESTER

____________________________

Kevin A. Sheppard, P.E.
DPW Director
PURPOSE:

The purpose of this bid invitation is to establish a contract with a company that will clean and inspect all designated catch basins and drain pipes in the City of Manchester.

GENERAL:

The Contractor shall have a minimum of 10 years’ experience, under the same company name, completing projects of similar size, type and scope of drainage system cleaning work that is specified under this Contract. The Contractor’s Foreman who is assigned to this work, shall have a minimum of 5 years’ experience completing projects of similar size, type and scope of drainage system cleaning work that is specified under this Contract.

Bid is for a one year and 11 month period beginning approximately August 1, 2020 through June 30, 2022. Two additional, two year extensions may be granted if the Contractor’s work is deemed satisfactory to the Owner.

The Contractor shall not perform work before the March 1 of that Contract year, and shall not perform work later than the November 15 of that Contract year without approval by the Owner, as deemed necessary by the Owner to maintain safety and productivity.

Unit prices for bid items may increase each contract extension in accordance with the Consumer Price Index (CPI-U) for all items, Boston-Brockton-Nashua, published by the United States Department of Labor, Bureau of Labor Statistics or as negotiated between the Owner and Contractor.

The Owner reserves the right to terminate this contract if goods and/or services are at any time deemed to be unsatisfactory.

These specifications, together with any documents required herein, will be incorporated into the final contract. If Bidder has a Contract form that they will require the Owner to sign, the Bidder must include a copy with their Bid submittal for evaluation.

PERFORMANCE & CONTRACT QUANTITIES:

The total number of catch basins to be cleaned and inspected is approximately 1,800 per year. The Owner reserves the right to increase or decrease the number of catch basins to be cleaned and inspected per year at the unit price per catch basin in this bid. Catch Basin maps delineated by City Wards (Wards 1-12) and the seven (7) Priority Areas are included as hardcopy maps to this contract and these will be provided via an ArcGIS Online database at the beginning of each year. It is anticipated that two (2) City Ward’s catch basins will be cleaned annually. It is anticipated that catch basins in the seven (7) Priority Areas will be cleaned once every two years (once under this 2-year contract). The number of catch basins per Ward, per Priority Area, and the Ward
that Priority Areas are located in are summarized in the attached Citywide Catch Basin Table. It is the responsibility of the Contractor to inspect and clean all catch basins in each City Ward provided by the Owner during the time allotted. The City Ward cleaning schedule for this Contract shall be completed in the following order:

- Year 1 - Wards 9, 10 and Priority Areas (as agreed upon by Owner and Contractor)
- Year 2 – Wards 11, 12

The total duration of drain pipe cleaning is approximately 150 hours for the duration of the Contract and will be used at the Owner’s discretion based on CB inspection information. If the CB accumulated sediment, debris, refuse, etc. is above the inverts of the bottom of hood or invert of the inlet / outlet drain pipes, the Contractor shall record this in a database, notify the Owner and note condition on the Catch Basin and Drain Pipe Electronic Inspection Forms. The Contractor shall clean associated drain piping at the completion of each Ward and following the Owner’s review of the Contractor’s database/inspection notes and following Owner’s approval. The Owner reserves the right to increase or decrease the number of drain pipes to be cleaned and inspected annually at the unit price hour in this bid.

The police details are carried as an allowance and assume approximately 1,000 hours of detail for the duration of the project. The Contractor will be responsible for coordinating, scheduling and payment of police details under this Contract.

The “Emergency Work Allowance for Unspecified Work as Directed by Owner” bid item is carried as an allowance and the specific scope of work used at the Owner’s discretion based on the emergency. The ability of the bidder to accomplish this work and associated costs will not impact contract award.

**CLEANING OPERATIONS & WATER SUPPLY:**

The Contractor must have combination vacuum/jetter truck(s) specifically designed for catch basin and drain pipe cleaning. The minimum requirements for the vacuum/jetter trucks to be used for this work shall be:

A. Twelve (12) cubic yards of capacity and a 2,800 CFM Blower;

B. Equipped with a vacuum boom that can rotate a minimum of 180 degrees;

C. Equipped with a fully enclosed body capable of cleaning a twenty-foot-deep catch basin, OR APPROVED EQUAL.

The Owner will have sole discretion to accept any equipment which deviates from this specification to determine what is APPROVED EQUAL.

Cleaning operations shall be completed in a timely manner in order to meet contract performance requirements and without causing significant disruptions to the public, traffic, and/or City of Manchester Operations. Cleaning Operations shall be completed during normal business hours between 7:00 a.m. and 5:00 p.m. Monday through Friday and work conducted outside this time will not be permitted without approval by the Owner.
The Contractor shall prevent any damage or impacts to adjacent utilities, infrastructure and roadways. During cleaning operations, the Contractor shall maintain a clean and safe work area and properly remove and dispose of any residuals or debris within the adjacent area / roadway that may be produced as a result of cleaning operations.

Following cleaning operations and cleanup, the Contractor shall restore drainage facilities and infrastructure to pre-existing conditions including but not limited to resetting of hoods, grates, covers and other drain appurtenances.

Cleaning of catch basins and drain pipes shall be completed to the satisfaction of the Owner. Acceptance of work shall be based on pre/post photographic documentation and any follow up inspections completed by the Owner.

The Owner will not be charged for travel to and from the City of Manchester, for downtime of the equipment or breaks for the operators.

Water for the equipment required for catch basin and pipe cleaning will be provided by the City of Manchester at designated hydrants only. The designated location for the Contractor to fill will be the hydrant located at the City of Manchester’s Wastewater Treatment Plant at 300 Winston Street.

If a hydrant in the street needs to be used, the Contractor shall contact the Owner Representative, Benjamin Lundsted of the City of Manchester, to request Special Permission. The Owner Representative shall contact the Manchester Water Works (MWW) for Special Permission and no street hydrant usage will be allowed prior to MWW approval. MWW reserves the right to terminate Contractor’s use of hydrants as deemed necessary at any time during the contract. Between November 15th and March 15th of each Contract year, no Special Permission for street hydrant usage will be received by the Owner nor be approved by MWW.

MEASUREMENT AND PAYMENT:

Bid Item 1 – Catch Basin Clean and Inspect – City Wards 9-12 & Seven (7) Priority Areas

A. Payment for Catch Basin Clean and Inspect – City Wards 9-12 & Seven (7) Priority Areas shall be made at the unit price bid per each in the Bid Form for Item 1.

B. Measurement and payment shall be full compensation for providing all necessary material, labor, tools and equipment required to clean and inspect catch basins in each specified Ward and Priority Area as specified herein under this Contract. The work shall include but not be limited to: site mobilization and demobilization of all required labor, material and equipment; cleaning, inspection, reporting, labor, transportation, disposal of waste at the Owner’s designated site(s), insurance, permits, or any other subsidiary costs associated with the work under this contract.
Bid Item 2 – Drain Pipe Clean and Inspect

A. Payment for Drain Pipe Clean and Inspect shall be made at the unit price bid per hour in the Bid Form for Item 2.

B. Measurement and payment shall be full compensation for providing all necessary material, labor, tools and equipment required to clean and inspect drain pipe using a jet/vacuum combo truck plus operator and labor needed for potential manned entry, based on inspection results, as directed by the Owner and as specified herein. The work shall include but not be limited to: site mobilization and demobilization of labor, materials and equipment to clean designated pipe segments; removing and resetting of hood (as needed), jet cleaning, inspection, reporting, labor, transportation, disposal of waste at the Owner’s designated site(s), insurance, permits, or any other subsidiary costs associated with the work under this contract.

Bid Item 3 – Police Detail

A. Payment for Uniformed Police Officer shall be made under the allowance price in the Bid Form for Item 3 and shall be based on the actual number of hours of Policing required and invoiced.

B. Measurement and payment shall be full compensation for providing Uniformed Police detail as required. In the event Contractor schedules police detail and no work is performed, the Contractor shall be held responsible for any minimum police detail charge and no compensation will be made to the Contractor by the Owner.

Bid Item 4 - Emergency Work Allowance for Unspecified Work as Directed by Owner

A. Payment for the emergency work allowance for unspecified work as directed by Owner shall be made under the allowance price in the Bid Form for Item 4 and shall be based on the unit quantities and costs for the work performed as established under the General Conditions and agreed to by Owner. The work shall be paid per hour based on the required crew and based on a time and materials basis for equipment and any construction materials required to complete the work. Any materials required for emergency work shall be paid based on unit costs and in place material quantities. Payment for materials shall be based on invoices provided by the Contractor. Material types, costs and quantities shall be submitted by the Contractor for approval by the Owner prior to any emergency work being completed.

B. Measurement and payment for emergency work allowance for unspecified work as directed by Owner during this contract shall be measured by generally accepted unit quantities for such work as established under the General Conditions and agreed to by the Owner and Contractor. The allowance payment will be revised based on each negotiated agreement. Measurement shall be full compensation for furnishing labor, materials and equipment
required to do any emergency drain pipe or drain structure inspection and repair work in the City of Manchester.

**CATCH BASIN INSPECTION & CLEANING:**

Catch basin cleaning includes, but is not limited to: Removing the accumulated sediment, debris, refuge, etc. from each catch basin sump, grate, and curb inlet until there is no visible debris. This cleaning will be done to the satisfaction of the Owner. Any and all debris collected during the cleaning process must be disposed of at the Owner’s designated site(s). The Owner will direct the Contractor to the appropriate location at the Owner’s designated site(s).

A catch basin inspection will be conducted by the Contractor after cleaning each catch basin and will be recorded using the Catch Basin and Drain Pipe Electronic Inspection Form provided by the Owner. Inspection and reporting of pipe cleaning shall include, but not limited to measurements from CB RIM to top of sediment debris (pre-cleaning), bottom of sump (post cleaning) and depth to pipe inverts or bottom of protective hoods. Reporting will also include providing pre/post-cleaning photos of each completed catch basin. Reporting will be completed using the Catch Basin and Drain Pipe Electronic Inspection Form through the ArcGIS Online Collector/Survey123 platforms. An example hardcopy of the inspection form is provided. These inspection forms will be compatible for integration into the Owner’s GIS system (ArcGIS) and asset management system (Maximo). Inspection forms and GIS/asset management software/ platforms may be periodically updated by the Owner. All Catch Basin and Drain Pipe Electronic Inspection Forms completed during the week must be submitted or uploaded electronically to the Owner by the close of business on Friday of that week.

**DRAIN PIPE INSPECTION & CLEANING:**

Drain pipe cleaning includes, but is not limited to: Removing the accumulated sediment, debris, refuge, etc. from each pipe segment until there is no visible debris. This cleaning will be done to the satisfaction of the Owner. Any and all debris collected during the cleaning process must be disposed of at the Owner’s designated site(s). The Owner will direct the Contractor to the appropriate location at the Owner’s designated site(s).

Drain pipe inspection will be conducted by the Contractor after cleaning each segment and will be recorded using the Catch Basin and Drain Pipe Electronic Inspection Form provided by the Owner. Inspection and reporting of pipe cleaning shall include but not limited to recording of the approximate segment length and providing pre/post-cleaning photos or videos for each pipe segment cleaned. Reporting will be completed using the Catch Basin and Drain Pipe Electronic Inspection Form through the ArcGIS Online Collector/Survey123 platforms. An example hardcopy of the inspection form is provided. These inspection forms will be compatible for integration into the Owner’s GIS system (ArcGIS) and asset management system (Maximo). Inspection forms and GIS/asset management software/ platforms may be periodically updated by Owner. All Catch Basin and Drain Pipe Electronic Inspection Forms completed during the week must be submitted or uploaded electronically to the Owner by the close of business on Friday of that week.
INSPECTIONS & REPORTING:

The Contractor will be required to have computer tablet(s) for each inspection / cleaning crew. The tablet(s) must have cellular connectivity and the latest updated version operating system (Apple-IOS or Android-Pie) from the manufacturer currently available at the time of the bid. Operating system updates may be required during the course of the Contract. The tablet(s) must have at a minimum 32 gigabits of internal storage. The tablet(s) must have a rear facing camera with flash and with the capability of taking 5 megapixel images or greater.

The tablet(s) will be capable of operating the latest version of ArcGIS Online Map, Collector and Survey123 platform software. Tablet(s) will be used to fill out and submit all of the Owner’s Catch Basin and Drain Pipe Electronic Inspection Forms. The Owner requires that every crew working in the City of Manchester to have a tablet for reporting.

Inspections of catch basins and drain piping shall be provided for each structure or pipe segment cleaned. The Contractor shall provide pre and post cleaning color digital photos in JPEG format for each catch basin or drain pipe segment inspected and cleaned.

If a problem is encountered during inspections that poses an imminent threat to public safety or may result in ultimate failure of the drainage infrastructure, the Contractor shall verbally notify the Owner immediately and should note the problem in the comments sections of the inspection form. The completed inspection form listing any noted problems shall also be submitted by the Contractor to the Owner following this verbal notification.

All Catch Basin and Drain Pipe Electronic Inspection Forms completed during the week must be submitted or uploaded electronically to the Owner by the close of business on Friday of that week. In addition to weekly data transfers, the Contractor shall maintain and keep records of completed hardcopy forms that are provided by the Owner and of the completed electronic database for the duration of the Contract period.

EMERGENCY WORK ALLOWANCE FOR UNSPECIFIED WORK AS DIRECTED BY OWNER:

The “Emergency Work Allowance for Unspecified Work as Directed by Owner” bid item is carried as an allowance and will be measured and paid for on a time and materials basis. The on-call work will be completed based on the contractor’s ability to respond in a timely manner to stormwater related emergencies and could include, but not limited to the following emergency response repair or inspection items:

A. 24-hour emergency response with a vacuum / jetter truck and operator with a minimum four (4) hour charge for each response.

B. 24-hour emergency response with a Closed Circuit Television (CCTV) truck (and or pole camera) and operator with a minimum four (4) hour charge for each response.
C. Emergency structure cleaning with vacuum / jetter truck and operator.

D. Emergency drain lateral cleaning with vacuum / jetter truck and operator.

E. Emergency catch basin or drain manhole structure repairs including but not limited to patching concrete; parging brick and mortar; hood repairs / replacements; metal casting repairs / replacements; and completing adjustments to metal castings.

**POLICE DETAILS:**

Police details are required whenever work is conducted within City of Manchester owned Streets. If work under this Contract is conducted outside the limits of City Streets and public safety or convenience requires the services of police, the Owner may direct the Contractor to provide manpower to direct traffic within the location of work under this Contract. The Contractor shall make all arrangements in obtaining the manpower and all invoices for policing will be made to the Contractor and the Contractor shall pay all expenses incurred, including the salaries of the assigned personnel.

The intent is to ensure public safety by police direction of traffic. Police are not to serve as watchmen to protect the Contractor’s equipment and materials, or to warn pedestrians of such hazards as open trenches. Nothing contained herein shall be construed as relieving the Contractor of any of his/her responsibilities for protection of persons and property under the terms of the Contract.

The Contractor shall contact the Police Department at least one (1) week in advance prior to performing any work requiring police detail. In the event Contractor schedules police detail and no work is performed, the Contractor shall be held responsible for the any minimum police detail charges and no compensation will be made to the Contractor by the Owner. Please refer to the City of Manchester Police Department detail scheduling and cancellation policies.

**DISPOSAL:**

Accumulated sediment, debris, refuse, etc. collected from catch basins and/or drain pipes shall be properly handled and disposed of at the Owner’s designated site(s) located within the City of Manchester, which for the purposes of the contract will be the City of Manchester Drop-Off Facility at 500 Dunbarton Rd.

**EXCEPTIONS/DEVIATIONS:**

Exceptions, deviations or clarifications to these specifications shall be noted on Bidders letterhead and submitted with the final bid. Document shall be titled “Exceptions to Specifications”.

Bids that are found to have exceptions without listing them will be rejected.

Silence to exceptions shall indicate that the item will comply with specifications. Should the item not comply and the exception(s) were not indicated it will be the responsibility of the Contractor at their expense to bring the item into compliance.
**BONDS & INSURANCES:**

In addition to the Bidder forfeiting the bid bond (item 31, page 7) the Owner will hold the Bidder liable and the Bidder agrees to pay the Owner on demand the difference between the price bid by them and the price for which the contract shall be subsequently awarded/contracted for.

No plea of mistake in such accepted bid shall be available to the bidder for the recovery of his deposit or as a defense to any action based upon accepted bid.

**Bid Bond:** Each Bid will be accompanied by a bid bond in the amount of $1,000.00.

**Performance Bond:** A performance bond in the amount of 100% of the contract price (bottom line price plus any additional options) must be furnished within 30 days of execution of contract.

**Indemnification and Insurance Requirements:** Contractor hereby agrees to protect, defend, indemnify, and hold the City of Manchester and its employees, agents, officers and servants free and harmless from any and all losses, claims, liens, demands and causes of action of every kind and character including but not limited to, the amounts of judgments, penalties, interests, court costs, legal fees and all other expenses incurred by the Owner arising in favor of any party including claims, liens, debts, personal injuries including injuries sustained by employees of the City of Manchester, death or damages to property (including property of the Owner) and without limitation by enumeration, all other claims or demands of every character occurring or in any way incident to, in connection with or arising directly or indirectly out of this contractor agreement. Contractor agrees to investigate, handle, respond to, provide defense for and defend any such claims, demands, or suits at the sole expense of the Contractor. Contractor also agrees to bare all other cost and expenses related thereto, even if the claim or claims alleged are groundless, false or fraudulent. This provision is not intended to create any cause of action in favor of any third party against Contractor or the Owner or to enlarge in any way the Contractor’s liability but is intended solely to provide for indemnification of the Owner from liability for damages or injuries to third persons or property arising from Contractor’s performance hereunder.

**THE CONTRACTOR AGREES TO MAINTAIN IN FULL FORCE AND EFFECT:**

1. Comprehensive general liability insurance written on occurrence form, including completed operations coverage, personal injury liability coverage, broad form property damage liability coverage and contractual liability coverage insuring the agreements contained herein. The minimum limits of liability carried on such insurance shall be $1,000,000 each occurrence and, where applicable, in the aggregate combined single limit for bodily injury and property damage liability; $1,000,000 annual aggregate personal injury liability.

2. Automobile Liability insurance for owned, non-owned and hired vehicles. The minimum limit of liability carried on such insurance shall be $1,000,000 each
accident, combined single limit for bodily injury and property damage.

3. Workers compensation insurance whether or not required by the New Hampshire revised statutes annotated, 1995, as amended, with statutory coverage and including employer’s liability insurance with limits of liability of at least $100,000 for each accidental injury and, with respect to bodily injury by disease, $100,000 each employee and $500,000 per policy year.

4. Any and all deductibles on the above described insurance policies shall be assumed by and for the account of, and at the sole risk of the Contractor.

5. Insurance companies utilized must be admitted to do business in New Hampshire or be on the insurance commissioner’s list of approved non-admitted companies and shall have a rating of (A) or better in the current edition of best’s key rating guide.

6. Contractor agrees to furnish certificates (s) of the above mentioned insurance to the City of Manchester within fourteen (14) days from the date of this agreement and, with respect to the renewals of the current insurance policies, at least thirty (30) days in advance of each renewal date. Such certificates shall name the City of Manchester as additional insured and shall state that in the event of cancellation or material change, written notice shall be given to the City of Manchester, Department of Highway, Environmental Protection Division, 300 Winston Street, Manchester, New Hampshire 03103 at least thirty (30) days in advance of such cancellation or change.

7. The purchase of the insurance required or the furnishing of the aforesaid certificate shall not be a satisfaction of Contractor’s liability hereunder or in any way modify the Contractor’s indemnification responsibilities to the City of Manchester.
PROPOSAL FOR:  CATCH BASIN / DRAIN PIPE CLEANING AND INSPECTION PROGRAM  
(FY21-270-01)

DATE & TIME:  July 17, 2020 AT 2:00 PM

The undersigned, as Bidder, hereby declares that before preparing this bid, he/she carefully 
read the specifications and hereby agrees that if the proposal is accepted he/she will contract 
with the Owner on accordance with the specifications, terms and conditions as spelled out in 
this Sealed Bid Invitation.

<table>
<thead>
<tr>
<th>Bid Item</th>
<th>Item Description</th>
<th>Quantity</th>
<th>Units</th>
<th>Unit Price ($)</th>
<th>Total Cost ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Catch Basin Clean &amp; Inspect – Wards 9 through 12 &amp; 7 Priority Areas</td>
<td>3,530</td>
<td>Each</td>
<td>$_________</td>
<td>$_________________</td>
</tr>
<tr>
<td>2</td>
<td>Drain Pipe Clean &amp; Inspect</td>
<td>150</td>
<td>Hours</td>
<td>$_________</td>
<td>$_________________</td>
</tr>
<tr>
<td>3</td>
<td>Police Detail Allowance</td>
<td>1</td>
<td>Allowance</td>
<td>$ 65,000</td>
<td>$ 65,000</td>
</tr>
<tr>
<td>4</td>
<td>Emergency Work Allowance for Unspecified Work as Directed by Owner</td>
<td>1</td>
<td>Allowance</td>
<td>$ 50,000</td>
<td>$ 50,000</td>
</tr>
<tr>
<td></td>
<td><strong>Total Cost</strong></td>
<td></td>
<td></td>
<td></td>
<td>$_________________</td>
</tr>
</tbody>
</table>

Total Cost Figures: $ ______________________________

Total Cost Words: ____________________________________________
This form must be signed. All signatures must be original and not photocopies.

Submitted by: Signature & Title of Bidder

Submitted by: Print or type name & title of Bidder

Company Name (Corporation/general partnership organized & existing under the laws of the State of_______)

Address

City, State, Zip

REQUIRED

Date Quotation Made:_________ Email Address: ________________________________

Phone #:________________________ Fax #: ________________________________

Vendors will be notified via email only – if no email is provided it will be the Bidders’ responsibility to check the website for the City of Manchester Purchasing Division for results.
EMERGENCY WORK ALLOWANCE FOR UNSPECIFIED WORK AS DIRECTED BY OWNER
SCHEDULE OF VALUES

The Contractor shall provide an itemized schedule of values for the following bid items. The Schedule of Values will be used for information purposes only. The ability for the bidder to provide emergency work will not impact the selection of the lowest qualified bidder for this Contract and there are no penalties for leaving any of the items blank if that service cannot be provided. Measurement and payment of any materials required for emergency work shall be made based on material unit costs submitted by the Contractor and as approved by the Owner prior to emergency work being completed.

Emergency Work Allowance:

**Equipment**

Vacuum / Jet Trucks

<table>
<thead>
<tr>
<th>Equipment Type</th>
<th>Hourly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vacuum Truck (only)</td>
<td>$/hour</td>
</tr>
<tr>
<td>Jet Truck (only)</td>
<td>$/hour</td>
</tr>
<tr>
<td>Combo Vac./Jet Truck</td>
<td>$/hour</td>
</tr>
<tr>
<td>Recycle Combo Vac./Jet Truck</td>
<td>$/hour</td>
</tr>
</tbody>
</table>

CCTV Cameras

<table>
<thead>
<tr>
<th>Equipment Type</th>
<th>Hourly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small Dia. Pipe Crawler (4”-8”)</td>
<td>$/hour</td>
</tr>
<tr>
<td>Mid-Size Pipe Crawler (8”-24”)</td>
<td>$/hour</td>
</tr>
<tr>
<td>Expandable Pipe Crawler (24” plus)</td>
<td>$/hour</td>
</tr>
<tr>
<td>Pole Mounted Camera</td>
<td>$/hour</td>
</tr>
</tbody>
</table>

Construction Equipment

<table>
<thead>
<tr>
<th>Equipment Type</th>
<th>Hourly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Backhoe</td>
<td>$/hour</td>
</tr>
</tbody>
</table>

Generators (20 KW)

<table>
<thead>
<tr>
<th>Duration</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Work Day</td>
<td>$</td>
</tr>
<tr>
<td>1 Full Day (24-hours)</td>
<td>$</td>
</tr>
<tr>
<td>1 Work Week</td>
<td>$</td>
</tr>
<tr>
<td>1 Full Week (168-hours)</td>
<td>$</td>
</tr>
</tbody>
</table>
Bypass Pumps

Small Pump (≤ 4-inch dia.)  $/hour______________________________
Large Pump (> 4-inch dia.) $/hour_______________________________

**Personnel**

Laborer $/hour______________________________
Equipment Operator $/hour__________________________
Camera Operator $/hour______________________________
Truck Driver $/hour______________________________
Foreman $/hour______________________________
Attachment A

Citywide Catch Basin Table
## City of Manchester - Citywide Catch Basin Table

### Catch Basin / Drain Pipe Cleaning RFP - FY21-270-01

<table>
<thead>
<tr>
<th>Ward</th>
<th>Total CBs</th>
<th>Bi-Ward CB Counts</th>
<th>Priority Area (PA) CBs</th>
<th>Bi-Ward PA CB Counts</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1025</td>
<td></td>
<td>132</td>
<td>132</td>
</tr>
<tr>
<td>2</td>
<td>894</td>
<td>1919</td>
<td>0</td>
<td>132</td>
</tr>
<tr>
<td>3</td>
<td>1365</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>734</td>
<td>2099</td>
<td>17</td>
<td>17</td>
</tr>
<tr>
<td>5</td>
<td>712</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>1053</td>
<td>1765</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>7</td>
<td>678</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>1399</td>
<td>2077</td>
<td>55</td>
<td>55</td>
</tr>
<tr>
<td>9</td>
<td>894</td>
<td></td>
<td>179</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>1036</td>
<td>1930</td>
<td>138</td>
<td>317</td>
</tr>
<tr>
<td>11</td>
<td>864</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>531</td>
<td>1395</td>
<td>39</td>
<td>39</td>
</tr>
<tr>
<td>Total</td>
<td>11185</td>
<td></td>
<td>560</td>
<td></td>
</tr>
</tbody>
</table>

### Priority Areas (PA) Totals

<table>
<thead>
<tr>
<th>Priority Areas (PA)</th>
<th>Ward</th>
<th>Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stevens</td>
<td>4</td>
<td>17</td>
</tr>
<tr>
<td>Black Brook</td>
<td>12</td>
<td>39</td>
</tr>
<tr>
<td>Dorrs Pond</td>
<td>1</td>
<td>132</td>
</tr>
<tr>
<td>McQuesten Brook</td>
<td>10</td>
<td>138</td>
</tr>
<tr>
<td>Nutt Pond</td>
<td>9</td>
<td>179</td>
</tr>
<tr>
<td>Pine Island Pond</td>
<td>8</td>
<td>32</td>
</tr>
<tr>
<td>Crystal Lake</td>
<td>8</td>
<td>23</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>560</td>
</tr>
</tbody>
</table>

*Note: Catch basins included under this contract are highlighted in red font*
Attachment B

Catch Basin / Drain Inspection Form Example
CATCH BASIN AND DRAIN PIPE INSPECTION FORM

GIS CB ID

Inspector Name

Date

Street Address

GPS Location

Time

Weather

Dry

Light Rain

Heavy Rain

Snow

Ground Cover

Asphalt

Gravel

Concrete

Grass/Dirt

Grate Size

W Inches

L Inches

Catch Basin Shape

Cleaned

Yes

No

Check if Present in CB

Sanitary Waste / Smell

Excessive Sediment

Oil Sheen

Floatable / Trash

Pet Waste

Other: ___________

A. Depth from RIM to Top of Sediment: ___________

B. Depth from RIM to Bottom of CB (after vac): ___________

C. Sump Depth: ___________

D. Depth of Sediment (B-A): ___________

E. More than 50% full of sediment? (D/C): ___________

F. Depth from RIM to Bottom of Hood (after vac): ___________

G. Depth from RIM to Invert of Lowest Pipe (after vac): ___________

H. Top of Sediment Depth less than F or H: Yes: _____ or No: _____

I. If H. is Yes, Add to CB to Pipe Cleaning Database

<table>
<thead>
<tr>
<th>Materials</th>
<th>Cast Iron</th>
<th>Brick</th>
<th>Concrete</th>
<th>Aluminum</th>
<th>Fiberglass</th>
<th>Excellent (1)</th>
<th>Good (2)</th>
<th>Fair (3)</th>
<th>Poor (4)</th>
<th>Failing (5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grate</td>
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<td></td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>Frame</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chimney</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Walls</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trap/Hood</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sump</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* If poor or failing condition; explain in comments
DRAIN PIPE FOLLOW UP INSPECTION FORM

GIS CB ID

Inspector Name

Date

Time

GIS Pipe IDs
(list all inspected and size of each pipe)

Drain Pipe 1

Drain Pipe 2

Drain Pipe 3

Drain Pipe 4

Drain Pipe 5

Pipes Require Cleaning?
Yes
No

# of Pipes Cleaned

GIS Pipe IDs
(list all cleaned and total length cleaned)

Drain Pipe 1

Drain Pipe 2

Drain Pipe 3

Drain Pipe 4

Drain Pipe 5

PIFE DIAGRAM & CONDITION TABLE

(DRAW ALL PIPES WITH IDS & SPECIFY OUTLET [LOWEST] PIPE AT 6:00)

Pipe Material & Condition Table

<table>
<thead>
<tr>
<th>Materials</th>
<th>Cast Iron</th>
<th>HPPE</th>
<th>Concrete</th>
<th>Aluminum</th>
<th>PVC</th>
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</thead>
<tbody>
<tr>
<td>Condition</td>
<td>Excellent (1)</td>
<td>Good (2)</td>
<td>Fair (3)</td>
<td>Poor (4)</td>
<td>Failing (5)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pipe</th>
<th>Cast Iron</th>
<th>HPPE</th>
<th>Concrete</th>
<th>Aluminum</th>
<th>PVC</th>
<th>Excellent (1)</th>
<th>Good (2)</th>
<th>Fair (3)</th>
<th>Poor (4)</th>
<th>Failing (5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drain Pipe 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drain Pipe 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Drain Pipe 3</td>
<td></td>
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</tr>
<tr>
<td>Drain Pipe 4</td>
<td></td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Drain Pipe 5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Comments:

* If poor or failing condition; explain in comments
PIPE ID: _______________

Pipe Pre-Cleaning Image

Pipe Post-Cleaning Image
PIPE ID: ________________

Pipe Pre-Cleaning Image

Pipe Post-Cleaning Image
Attachment C
City Ward CB Maps
Attachment D
Priority Area CB Maps
Priority Catch Basins
Draining to Crystal Lake
Manchester, NH

Data Sources: GRANIT, City of Manchester

Comprehensive Environmental
Incorporated