

**CITY OF LOWELL  
LOWELL REGIONAL WASTEWATER UTILITY  
CATCH BASIN CLEANING**

**TECHNICAL SPECIFICATIONS**

**CATCH BASIN VACUUM TRUCK CLEANING**

**Part.1 – Overview and Scope**

- The vendor shall clean catch basins and dispose of the removed material in accordance with this specification for a three (3) year period from July 1, 2015 through June 30, 2018.
- The Work under this item consists of the cleaning of existing catch basins and drainage pipes. Work under this item shall be performed under the direction and to the satisfaction of the Executive Director of the Lowell Regional Wastewater Utility (LRWWU), or his designated agent.
- Catch basin cleaning will be paid for at the Contract unit price for each catch basin. The Contract unit price shall include all labor, equipment, transportation within the community and incidental costs required to complete the Work. The Contract Unit Price also includes the cost for the proper disposal of any removed catch basin debris.

**Part.2 – General Bid Information**

**Catch Basin and Drain Manhole Cleaning**

- The work to be done under this contract shall consist of removing the accumulated dirt, refuse and other debris from each catch basin, the gutter mouth of curb inlets, and properly disposing of the materials removed. Drain manholes are considered catch basins in this contract.
- The LRWWU will predetermine, at a minimum, at least 30 catch basins for performance evaluation, which will be inspected by the LRWWU after they have been cleaned. The successful bidder (CONTRACTOR) shall in each case, remove the grate, and clean the catch basin, including scraping the sides of the basin, to the satisfaction of the Executive Director of the Lowell Regional Wastewater Utility (LRWWU), or his designated agent, and carefully replace the grate. The catch basin shall be considered clean when remaining material in the catch basin is not more than four inches in depth, if leveled, and there is no visual evidence that would impede free flow of storm water.

**Sequence of Cleaning**

- The LRWWU will make available to the CONTRACTOR, Work Route Maps showing the sequence in which the CONTRACTOR will proceed in cleaning the catch basin. The Contractor shall provide to the Public Works Department on a weekly basis a report containing the location and number of catch basins cleaned during the week, estimated quantity of material removed and the total number of catch basins cleaned year to date.

**Start/Completion Time**

- The period for cleaning of catch basins will be from April to November.

**Basin/Drain Cleaning Methods**

- Each catch basin is to be thoroughly cleaned of sand, silt, and debris from the lower portion of the basin (i.e., basin sump) by mechanical means or hand labor. Jetting or rodding may be required to loosen debris materials to assure complete removal. The CONTRACTOR is to remove the basin grate, thoroughly clean the catch basin and reset the grate prior to leaving the basin. **Clam trucks will not be allowed to be utilized for this contract award.** The CONTRACTOR shall notify the Utilities Superintendent of any broken grates or frames, undermined basins, plugged or broken pipe connections, or any suspicious pipe inlets observed during the cleaning operations. Any deficiencies shall be noted in a weekly written report. If a basin does not have a sump, it shall be noted in the report. During the operation, care shall be taken by the CONTRACTOR not to damage grate, frame, catch basin, pipe, or curbing. If damage is caused by the negligence of the CONTRACTOR the damaged parts shall be

satisfactory repaired or replaced at the CONTRACTOR's expense. The material removed from the catch basins shall be transported immediately to the approved disposal area in trucks that will not spill or leak the material along the roadway. Any material falling on the roadway shall be noted in the report.

#### **Traffic Control**

- The CONTRACTOR is solely responsible for all traffic control, signage and personnel as is necessary to provide for the safety of workers, equipment, and the traveling public. The CONTRACTOR shall not block or stop the normal flow of traffic.

#### **Method of Measurement**

- Each basin satisfactorily cleaned will be measured as a complete unit. Basins not satisfactorily cleaned will be brought to the CONTRACTOR's attention and re-cleaned at no additional cost. A basin, which cannot be cleaned due to a structural defect or absence of a sump, will not be measured for payment. The CONTRACTOR shall mark the top of the catch basin grate with paint after it has been cleaned.

#### **Basis of Payment**

- All cleaned and approved catch basins will be paid for at the contract unit price. This price shall include all equipment, fuel, tools, transportation, traffic control, and labor incidental to the completion of the removal and disposal of the material in accordance with the provisions of these specifications.

### **Part.2 - Execution**

#### **Work Schedule**

- The successful bidder shall commence SITE Work within ten (10) working days of receiving a Notice to Proceed from The City of Lowell (CITY).
- Work is restricted to a normal five-day week, with the CONTRACTOR and all subcontractors working on the same shift. Work is not to start until after 8AM. No work shall be done on this Contract on Saturdays, Sundays or holidays without prior approval.

#### **Progress of Work**

- The CONTRACTOR shall promptly start and continue actual construction work under this Contract with the necessary equipment to properly execute and complete this Contract in the specified time.
- No cessation of Contractor's operations will be allowed without the approval from the Lowell Regional Wastewater Utility, LRWWU. The rate of progress shall be satisfactory to the CITY. The successful bidder shall furnish to the LRWWU a schedule for the Work prior to the start of construction.

#### **Road Safety and Police Services**

- The CITY shall provide all Police Detail services at no cost to the CONTRACTOR to direct traffic when such protection is deemed necessary by the CITY.
- The successful bidder shall be solely responsible for contacting, ordering and scheduling police traffic details with the local Police Department and DPW. If the CONTRACTOR must cancel police services, he must be aware of and do so within the time limits set by the respective Police Department.

#### **Public Safety, Convenience, and Traffic Control**

- The CONTRACTOR shall be required without additional compensation to provide safe and convenient access to all abutters.
- Where traffic cones are the standard operating procedure for tasks specified herein, the CONTRACTOR shall have sufficient cones, personnel and trucks to conform to this procedure. It is the CONTRACTOR's responsibility to maintain public safety within the work zone.
- The CONTRACTOR's equipment shall have high intensity flashing lights or rotary beacon(s) installed to provide adequate warning to motorists approaching the work area or work equipment from the front and rear.

#### **Cleanup**

- Cleanup shall be done on a daily basis. At the end of each working period, the CONTRACTOR shall remove all equipment from the traveled way. The successful bidder shall ensure that all safety marking and warning devices are satisfactorily in place prior to leaving any job.

- During the course of the Work, the CONTRACTOR shall keep the site of his operations in as clean and neat condition as is possible. He shall dispose of any and all residue resulting from the construction work and, at the conclusion of the work; he shall remove and haul away any surplus excavation and any other refuse remaining from the construction operations, and shall leave the entire site of the work in a neat and orderly condition.
- Sweeping and cleaning of surfaces beyond the limits of the Project to clean up material caused by spillage or vehicular tracking during the various phases of the work shall be considered as incidental to the Work being performed under the Contract and there will be no additional compensation.

**Emergency Contacts**

- A list of emergency contacts and their telephone numbers shall be submitted to the LRWWU, Public Works Director, and to the local Police Departments.

**Provisions for Travel and Prosecution for the Work**

- For services that require traffic control, the CONTRACTOR shall supply and use traffic control devices, positioning and methodology, conforming with the Manual on Uniform Traffic Control Devices (MUTCD) and MHD Work Zone Safety Guidelines at no additional cost to the CITY. Traffic control devices required only during working hour operations shall be removed at the end of each working day. Signs having messages that are irrelevant to normal traffic conditions shall be removed or properly covered at the end of each work period. Signs shall be kept clean at all times and legends shall be distinctive and unmarred.
- Particular care should be taken to establish and maintain methods and procedures that will not create unnecessary or unusual hazards to public safety.

**Disposal of Surplus or Contaminated Material**

- All materials not required or needed for use on the Project, and not required to be removed and stacked, shall become the property of the CONTRACTOR and shall be removed from the site and legally disposed of.
- The CITY will supply a staging area for the material to be disposed.
- It is noted that any Catch Basins or Drain Lines that may contain hazardous or contaminated materials will become the property of the CONTRACTOR and disposed of in accordance with DEP Rules and Regulations. Such disposal shall be documented and a copy of the disposal Bill of Lading or Receipt of disposed contaminated material shall be provided to the Municipality by the CONTRACTOR.

**Weather Limitations**

- The WEATHER can and will affect the CONTRACTOR's work performance. The CITY reserves the right and sole discretion to prohibit work of days when weather is of sufficient intensity that would impede effective prosecution of work tasks due to conditions of street surface conditions.
- Where it has been determined that a Local Police Detail service is necessary for public safety in any work locations specified in contract documents linked to these bid documents, it is incumbent on the CONTRACTOR to notify the local Police Department that contract will not be performed on the day of the scheduled Police Detail service. If such notice is not given by the Contractor, or his representative, the contractor will be responsible for said detail.