City of Dublin

15-007.0-CIP

Proposal
And
Contract Documents
for

2015 SANITARY SEWER MANHOLE REHABILITATION

15-007.0-CIP

City of Dublin

BID SUBMITTAL AND CONTRACT DOCUMENTS FOR THE

CITY OF DUBLIN

2015 SANITARY SEWER MANHOLE REHABILITATION

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I. BIDDING REQUIREMENTS

A. INVITATION FOR BIDS

The CITY OF DUBLIN, Ohio will receive sealed bids for the materials and labor necessary for the construction of the 2015 SANITARY SEWER MANHOLE REHABILITATION. Bids shall be received by CITY OF DUBLIN at 5800 Shier-Rings Road, Dublin, Ohio 43016 until 2:00 P.M. local time on October 14, 2015, at which time all bids will be opened and read aloud.

The CITY OF DUBLIN may choose to not award the bid—and bidders shall hold bids open—until sixty days after the bid opening. The work for which bids are invited consists of: sanitary sewer manhole rehabilitation. The cost estimate for the Project is $500,000.00.

Copies of the Contract Documents are on file at 6555 Shier-Rings Road, Dublin, Ohio 43016, where they are available for inspection by prospective bidders. Paper copies of the Contract Documents are available for a NONREFUNDABLE charge of $75.00 during business hours at the same address. Please make any check payable to the CITY OF DUBLIN.

Each bidder is required to furnish with its proposal a Bid Guaranty in accordance with Section 153.54 of the Ohio Revised Code. Bid security furnished in Bond form shall be issued by a surety company or corporation licensed in the State of Ohio to provide said surety.

Each proposal must contain the full name of the party or parties submitting the proposal and all persons interested therein. Each bidder must submit evidence of its experience on projects of similar size and complexity. The owner intends and requires that this project be completed by June 1, 2016.

All contractors and subcontractors involved with the project will to the extent practicable use Ohio products, materials, services and labor in the implementation of their project. Payment of Prevailing Wages is required for this Project.

The CITY OF DUBLIN reserves the right to accept or reject any or all bids, to waive any informalities or irregularities in the bidding process and to enter into a contract with the bidder whom, in its opinion, offers the lowest and best bid.

Each bidder must ensure that all employees and applicants for employment are not discriminated against based on race, color, religion, sex, or national origin.

By order of the Council of the CITY OF DUBLIN, OHIO. Ordinance number N/A.

Publish dates: September 30, 2015
October 7, 2015

B. INSTRUCTIONS TO BIDDERS

1. PRELIMINARY MATTERS

   a. The Project owner is the CITY OF DUBLIN, OHIO. The Owner's Representative is Paul A. Hammersmith P.E., Director of Engineering / City Engineer. You may direct questions or request for additional information to **Todd Garwick, P.E. at Telephone: 614-410-4665; Email: tgarwick@dublin.oh.us.**

   b. In connection with the Legal Notice, the CITY OF DUBLIN (hereinafter called the "City"), issues this Request for Bids for all labor, material, and services necessary for constructing the 2015 SANITARY SEWER MANHOLE REHABILITATION (the "Project"), as more fully described in the Contract Documents.

   c. Definitions. The word uses here shall have the following meanings:

      i. "City" or "Owner" shall mean the CITY OF DUBLIN, OHIO.

      ii. "Bidder" or "Contractor" shall all mean an entity or person that submits a bid for the Project and ultimately the entity or person awarded the contract as applicable.

      iii. "Contract Documents" shall mean the documents included with this bid solicitation and listed as Contract Documents in the City/Contractor Agreement.

      iv. "O.R.C." shall mean the OHIO REVISED CODE.

   d. The Project consists of the following contract(s) for the work on the Project:

      i. General Contract

   e. Estimate of Cost [O.R.C. 153.12(A)].

      i. The total estimated construction cost for the base bid Work for the Project for which the City is soliciting bids at this time is $500,000.00.

2. CONTRACTOR QUALIFICATIONS, REGISTERED CONTRACTORS, INCOME TAX, PERMITTING

   a. A Bidder may be a person, private entity, or any combination of such entities supported by a letter of intent to enter into an agreement or under an existing agreement in association in the form of a joint venture or other consortium. In the case of a joint venture or other consortium:

      i. All members shall be jointly and severally liable for the execution of the Contract, and

      ii. The association shall nominate a representative who shall have the authority to conduct all business for and on behalf of any and all the members of the joint venture or the consortium during the bidding process and, in the event the joint venture or consortium is awarded the Contract, during Contract execution.

   b. Threshold Qualifications. Every Contractor, before entering a contract with the City, must demonstrate the following:

i. Registered Contractors. Any person or company (including subcontractors) intending to do work under these Contract Documents shall be required to meet the CITY OF DUBLIN laws for Contractor Registration, if any, contained in the Codified Ordinances of the CITY OF DUBLIN as applicable to the particular classification of work to be performed.

ii. Licensed Contractors. Bidders and subcontractors for work requiring licenses under the O.R.C. shall submit evidence of such licensing in accordance with O.R.C. Chapter 4740.

iii. Foreign Corporations. Business entities formed outside of the state of Ohio shall present proof of registry with the Ohio Secretary of State and demonstrate the existence of an Ohio statutory agent.

c. Income Taxes. All persons or entities performing work under these Contract Documents shall comply with the requirements set forth in the Codified Ordinances of the CITY OF DUBLIN.

d. Permits and Regulations - Unless otherwise previously or subsequently specified, the Contractor shall procure and pay for all permits, licenses, inspections and approvals necessary for the execution of his contract. The City will obtain the required building permit for permanent structure.

i. The Contractor shall comply with all laws, ordinances, rules, orders and regulations relating to the performance of the work required to complete the Project.

ii. The Contractor's attention is directed to the "Safety and Health Regulations for Construction" of the Occupational Safety and Health Administration, U.S. Department of Labor and to its responsibilities thereunder.

3. GENERAL INSTRUCTIONS

a. City expects the Bidder to examine all instructions, forms, terms, and specifications in the Request for Bids. Each Bidder is solely responsible for conducting its own due diligence and investigation in support of the preparation of Bids, negotiation of agreements, and the subsequent delivery of all services it will provide. Bidder’s failure to furnish all information or documentation required by the Bidding Documents may result in the City rejecting the Bid.

b. Public Information. The City considers all information, documentation and other materials requested to be submitted in response to this solicitation to be a non-confidential and/or non-proprietary nature and therefore subject to public disclosure under the Ohio Public Records Laws except as specifically exempted by those laws. [O.R.C. Chapter 149].

c. Bidder should carefully read the information contained herein. It is the Bidder’s responsibility to submit a complete response to all requirements and questions. Any information submitted by Bidders shall become the property of the City and submitted at the Bidder’s sole expense. The City shall not pay any stipend for any submissions related

to the bidding process. The City will not provide compensation to Bidders for any expenses incurred for Bid preparation or for any presentations made.

d. The City may disqualify bids that are qualified with conditional clauses, or alterations, or items not called for in the bid documents, or irregularities and deviations from the requirements of the Contract Documents.

e. The City makes no guarantee that an award will be made because of this bid, and reserves the right to accept or reject any or all bids, waive any formalities or minor technical inconsistencies, or delete any item/requirements from this bid or resulting contract when deemed to be in the City's best interest.

4. INTERPRETATION

a. If a Bidder contemplating submitting a Bid for the proposed Project is in doubt as to the true meaning of any part of the Contract Documents, **it may submit a written request for an interpretation thereof to Todd Garwick, P.E., in writing on the form included with the Contract Documents. Inquiries shall be faxed to 614-410-4699 to the attention of Todd Garwick, P.E.** or e-mail to tgarwick@dublin.oh.us. The City will make any interpretation of the proposed documents by Addendum only, duly signed by the City, and a copy of such Addendum will be mailed or delivered to each Bidder receiving a set of Contract Documents and each plan room where the City maintains the Contract Documents. The City will not be responsible for any other explanation or interpretation of the proposed documents.

b. In interpreting the Contract Documents, the Bidder shall interpret words describing materials that have a well-known technical or trade meaning, unless otherwise specifically defined in the Contract Documents, in accordance with the well-known meaning recognized by the trade.

5. DOCUMENTS TO SUBMIT WITH BID

a. The Bidder shall submit the following completed forms with its response to this Request for Bids:

i. Bid Form

ii. Bid Guaranty and Contract Bond

iii. Affidavit of Authority (if applicable)

iv. Personal Property Tax Affidavit

v. Bidder's Qualification Statement

vi. Insurance Certificate

vii. Noncollusion affidavit

viii. State of Ohio Bureau of Workers' Compensation Certificate

ix. Proposed Supervisory Personnel List

x. Proposed Subcontractor List

xi. Bidder's and Subcontractors' Certificate(s) of licensure, if applicable

b. In addition to the foregoing requirements, Bids submitted by a joint venture or other consortium shall include a copy of the joint venture/consortium agreement entered into by all members. Alternatively, a binding letter of intent or similar irrevocable instrument to execute a joint venture/consortium agreement in the event of a successful Bid shall be signed by all members and submitted with the Bid, together with a copy of the proposed joint venture/consortium agreement.

c. Each Bidder shall submit the following number of copies of its Bid to the City: 1 copy printed one sided and one additional copy in electronic PDF form. The PDF form must exactly match the hard copy and must be provided within 24 hours after the Bid opening. The Bid Form shall be signed with the name typed or printed below the signature. A Bid shall not be submitted by facsimile transmission. A Bidder shall sign its Bid in the form required under Ohio law to bind the Bidder's particular type of business entity to a contract.

d. Each Bid shall be enclosed and delivered in a sealed opaque envelope with the Bidder's name and the title of the Project printed in the upper left hand corner and addressed as follows: **ATTN: Paul A. Hammersmith P.E., Director of Engineering / City Engineer, 5800 Shier-Rings Road, Dublin, Ohio 43016.** The Bidder shall be responsible for delivering its Bid to this office and address for the Bid opening before the deadline set forth in the Legal Notice—as extended by any addenda. The City will not open Bids that arrive after the deadline regardless of how the Bidder delivers the Bid.

e. After the City opens the Bids, it may require the Bidders to make available additional financial information, including, but not limited to, financial statements from the previous three years for review of the City. Such financial statements shall be audited financial statements to the extent available or, if not available, at least be reviewed financial statements. At the City's discretion, it may obtain a copy of such financial information. To the extent the City maintains copies of such documents, the City shall keep additional financial information it receives pursuant to a request under this paragraph confidential to the extent possible, except under proper order of a court. The additional financial information should not be a public record under section 149.43 of the Revised Code. (*See* O.R.C. 9.312).

6. CLARIFICATION OF BIDS

a. To assist in the examination, evaluation, and comparison of the Bids and the qualifications of the Bidders, the City may ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder that is not in response to a request by the City shall not be considered. The City's request for clarification and the response shall be in writing. No change in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the City in the evaluation of the Bids.

7. BONDS

   a. Each bidder shall submit one of the statutorily required forms of bid security as set forth in O.R.C. Section 153.54 on the form included with the Contract Documents. There are two ways to meet these requirements:

      i. OPTION #1: Submit the Combined Bid/Performance/Payment Bond on the form included with the Contract Documents along with the Bid; or,

      ii. OPTION #2: Submit a certified check, cashier's check, or letter of credit pursuant to Chapter 1305 of the Revised Code, conditioned to provide that if the bid is accepted, the bidder, after the awarding or the recommendation for the award of the contract, whichever the contracting authority designates, will enter into a proper contract in accordance with the bid, plans, details, specifications, and bills of material. Any letter of credit shall be revocable only at the option of the City. The amount of the certified check, cashier's check, or letter of credit shall be equal to ten per cent of the bid. Any of the foregoing instruments shall be submitted with the CITY OF DUBLIN listed as the payee or beneficiary. If the Bidder chooses option ii and is awarded the Contract, the Bidder shall then submit a Bond using the form included with the Contract Documents.

   b. With any Bond required here, the Bidder shall submit or ensure:

      i. *Ohio Department of Insurance Certificate*. Proof that the bond is issued by a surety company ("Surety") authorized by the Ohio Department of Insurance to transact business in the State of Ohio and acceptable to the City in the form of a certificate.

      ii. *A Financial Statement*. Proof that the bond is issued by a Surety capable of demonstrating a record of competent underwriting, efficient management, adequate reserves, and sound investments. These criteria will be deemed to be met if the Surety currently has an A.M. Best Company Policyholders rating of "A-" better and has or exceeds the Best Financial Size Category of Class VI. Other Sureties may be acceptable to the City, in its sole discretion.

      iii. *Proper signatures, credentials, and Power of Attorney*. The bond shall be signed by an authorized agent of an acceptable Surety and by the Bidder; and, include credentials showing the Power of Attorney of the agent.

      iv. The name, address, and telephone and fax numbers of the Surety and the Surety's Agent should be typed or printed on each bond.

8. EXECUTION OF CONTRACT

   a. Within 10 days after award of the Contract, the successful Bidder shall execute and deliver to the City an original of the City/Contractor Agreement, based upon the City's form. Such contract shall include the terms required by Ohio law and documents required by the Instructions to Bidders and Contract Documents for the Project. The successful Bidder shall have no property interest or rights under the City/Contractor Agreement until the Agreement is properly executed by the City.

9. STATE SALES AND USE TAXES

   a. The City is a political subdivision of the State of Ohio and is exempt from taxation under the Ohio Sales Tax and Use Tax Laws. Building materials that the successful Bidder purchases for incorporation into the Project will be exempt from state sales and use taxes if the successful Bidder provides a properly completed Ohio Department of Taxation Demolition Contract Exemption Certificate to the vendors or suppliers when acquiring the materials. The City will execute properly completed certificates on request.

10. COMPLETION DATE

   a. Completion Date. Each successful Bidder shall have its Work on the Project Complete as follows: June 1, 2016**.** The Contract Time shall run from the date of the Notice to Proceed or if there is no Notice to Proceed from the Effective Date of the City/Contractor Agreement.

11. MODIFICATION/WITHDRAWAL OF BIDS

   a. Modification. A Bidder may modify its Bid by written communication to the City addressed to the City's Representative at any time before the scheduled closing time for receipt of Bids, provided such written communication is received by City's Representative before the Bid deadline. The written communication shall not reveal the Bid price, but should provide the addition or subtraction or other modification so that the final prices or terms will not be known to the City until the sealed Bid is opened. If the Bidder's written instructions with the change in Bid reveal the Bid amount in any way before the Bid opening, the Bid may be rejected as non-responsive.

   b. Withdrawal. Bids may be withdrawn with permission of the City or in strict accordance with O.R.C. Section 9.31 which generally commands that Bidders may withdraw their bids from consideration if the price of the bid was substantially lower than the other bids, providing the bid was submitted in good faith, and the reason for the price bid being substantially lower was a clerical mistake as opposed to a judgment mistake, and was actually due to an unintentional and substantial arithmetic error or an unintentional omission of a substantial quantity of work, labor, or material made directly in the compilation of the bid. Notice of a claim of right to withdraw such bid must be made in writing filed with the City within two business days after the conclusion of the bid opening procedure.

12. PREVAILING WAGES

   a. This Project is horizontal construction with an estimated cost of $**500,000.00**, and the **Bidder is required to comply with all applicable Ohio Prevailing Wage requirements and labor laws for this Project.**

   b. If Prevailing Wage applies to this Project, the determination of the prevailing rates of wages of mechanics and laborers in accordance with section 4115.05 of the Revised Code for the class of work called for by the Project, in the locality where the work is to be performed, shall be attached to and made part of the Contract Documents.

c. If Prevailing Wage applies to this Project, the Contractor must pay at least the wage rates subsequently listed in the Wage determinations. The Contractor must submit properly executed copies of the Contractor's and subcontractor's payrolls to the City's Prevailing Wage Coordinator in accordance with the requirements of Section 4115.071 of the O.R.C.. Payroll records shall be kept current as failure to do so will delay the Owner's approval for payment of any pending estimates.

13. ALTERNATES

a. The City may request bids on alternates. If the City requests bids on alternates, the Bidder should include the cost of the alternates requested on its Bid Form.

b. At the time of awarding the contract, the City will select or reject alternates as it determines is in its best interest. A Bidder's failure to include in its Bid Form the cost of an alternate selected by the City and applicable to the Bidder's work may render the bid non-responsive and be grounds for the rejection of the bid. Otherwise, the failure to include the cost of an alternate will not be deemed material.

c. The Bidder acknowledges that although there is an estimate for the cost of the Project, the market conditions may and frequently do result in the estimate being different from the sum of the bids received, either higher or lower. The Bidder understands that the City may include alternates, which may include deduct alternates as well as add alternates, to give it flexibility to build the Project with the funds available. The Bidder further understands and acknowledges that use of add and deduct alternates is a long held customary practice in the construction industry in the State of Ohio. The Bidder also acknowledges that the City will not make a decision about the alternates on which to base the award of contracts until the bids are received, and the City can compare its available funds with the base bids and the cost or savings from selecting different alternates. The Bidder understands that the award to the Bidder submitting the lowest and best bid will be based on the lowest and best base bid plus selected alternates, and may result in an award to a Bidder other than the Bidder that submitted the lowest base bid. The bidder also acknowledges that its, and other bidders', bids may become responsive or non-responsive based on whether the bidders bid and are qualified for all base work and alternates; and, the City's selection of alternates. The City will evaluate bids to determine the lowest and best bid after it selects the alternates.

d. If, during the progress of the Work, the City desires to reinstate any alternate not included in the Contract, the City reserves the right to reinstate the alternate at the price bid by the Contractor if such action is taken in sufficient time so as not to delay the progress of the work or cause the Contractor additional expense.

14. UNIT PRICES

a. Where unit prices are requested in the Bid Form, the Bidder should quote a unit price. Unless otherwise expressly provided in the Bid Documents, such unit prices shall include all labor, materials, and services necessary for the timely and proper installation of the item for which the unit prices are requested. The unit prices quoted in the bid shall be the basis for any Change Orders entered into under the City/Contractor Agreement,

unless the Design Professional determines that the use of such unit prices will cause substantial inequity to either the Contractor or the City.

b. The estimated quantities shown herein are approximate only and the City assumes no responsibility for the accuracy of the estimates. Bidders are cautioned to make their own investigations and determinations of the conditions under which the work will be performed and to base their bids accordingly.

15. ADDENDA

a. The City reserves the right to issue Addenda changing, altering, or supplementing the Contract Documents before the time set for receiving bids. The City will issue the Addenda to clarify bidders' questions and/or to change, alter, or supplement the Contract Documents.

b. Any explanation, interpretation, correction, or modification of the Contract Documents will be issued in writing in the form of an Addendum, which shall be the only means considered binding. Any explanations, interpretations, or other representations made by any other means shall not be legally binding. All Addenda shall become a part of the Contract Documents.

c. Bidders shall submit written questions to the City in sufficient time in advance of the bid opening to allow sufficient time for the City to respond. All Addenda will be issued, except as hereafter provided, and mailed or otherwise furnished to persons who have obtained Contract Documents for the Project, before the published time for the opening of bids.

d. Copies of each Addendum will be sent only to the Bidders to whom Contract Documents have been issued and to Plan Rooms where copies of the Contract Documents are maintained. Receipt of Addenda shall be indicated by Bidders in the space provided on the Bid Form. Bidders are responsible for acquiring issued Addenda in time to incorporate them into their bid. Bidders should contact the City before the bid opening to verify the number of Addenda issued.

e. Each Bidder shall carefully read and review the Contract Documents and immediately bring to the attention of the City any error, omission, inconsistency, or ambiguity therein.

f. If a Bidder fails to indicate receipt of all Addenda through the last Addendum issued by the Design Professional on its Bid Form, the bid of such Bidder will be deemed to be responsive only if:

    i. The bid received clearly indicates that the Bidder received the Addendum, such as where the Addendum added another item to be bid upon and the Bidder submitted a bid on that item; or

    ii. The Addendum involves only a matter of form or is one that has either no effect or has merely a trivial or negligible effect on price, quantity, quality, or delivery of the item bid upon.

16. PREFERENCE FOR PUBLIC IMPROVEMENT CONTRACTS (As Selected)

a. [X] With respect to the award of this Contract, the City shall give preference to a contractor having its principal place of business in Ohio over a contractor having its

principal place of business in a state that provides a preference in favor of contractors of that state for the same type of work. Where a preference is provided by another state for contractors of that state, a contractor having its principal place of business in Ohio is to be granted by the City the same preference over them in the same manner and on the same basis and to the same extent as the preference is granted in letting contracts for the same type of work by the other state. If one party to a joint venture is a contractor having its principal place of business in Ohio, the joint venture shall be considered as having its principal place of business in Ohio.

b. [ ] With respect to the award of this Contract, the City shall not give preference to a contractor having its principal place of business in Ohio over other contractors.

17. METHOD OF AWARD

a. In evaluating Bids, the City may conduct such investigations as are deemed necessary to establish the qualifications and financial ability of the Bidder and its subcontractors and suppliers. The Bidder authorizes the City and its representatives to contact the owners, design professionals, and others having knowledge (collectively "Contacts") on projects on which the Bidder has worked and authorizes and requests such Contacts to provide the City with a candid evaluation of the Bidder's performance. By submitting its Bid, the Bidder agrees that if it or any person, directly or indirectly, on its behalf or for its benefit brings an action against any of such Contacts or the employees of any of them as a result of or related to such candid evaluation, the Bidder will indemnify and hold such Contacts and the employees of any of them from any claims whether or not proven that are part of or are related to such action and from all legal fees and expenses incurred by any of them arising out of or related to such legal action. This obligation is expressly intended for the benefit of such Contacts and the employees of each of them.

b. All Bids shall remain open for acceptance for 60 days following the day of the Bid opening, but the City may, in its sole discretion, release any Bid and return the Bid Guaranty before that date.

c. The City reserves the right to reject any, part of any, or all Bids and to waive any informalities and irregularities. The Bidder expressly acknowledges this right of the City to reject any or all Bids or to reject any incomplete or irregular Bid. The City will award a single contract for each of the Bid packages listed above, unless it determines to reject one or more Bid packages. Bidders must furnish all information requested. Failure to do so may result in disqualification of the Bid.

d. Determination of the Bidder Submitting the Lowest and Best Bid. Subject to the right of the City to reject any or all Bids, the City will award the Contract for the Work to the Bidder submitting the lowest and best Bid, taking into consideration accepted alternates.

    i. Buy Ohio/American and Ohio Contractor Bid Preference. If selected above, the City shall apply a domestic Ohio bid preference as outlined below.

        1. Bids will first be evaluated to determine that a bidder's offering is for a domestic source end product as defined in48 CFR Pt. 25.003. Information furnished by the Bidder in its Bid shall be relied upon in making this determination. Any Bidder's offering that does not offer a domestic

source end product shall be rejected, except where the City determines that certain articles, materials and supplies are not mined, produced, or manufactured in the United States in sufficient and reasonably available commercial quantities and of a satisfactory quality.

a. Following the determination as to domestic source end products, remaining bids and proposals shall be evaluated as set forth below, so as to give preference to Ohio bids or bidders who are located in a border state, provided that the border state imposes no greater restrictions than contained in this rule.

2. Buy Ohio Act compliance

a. Where the preliminary analysis of bids identifies the apparent low bid as an Ohio bid or a bid from a border state, the City shall proceed with its standard contract award practices and procedures as set forth in the Instructions to Bidders.

b. Where the preliminary analysis identifies the apparent low bid as one other than an Ohio bid or bid from a border state, the City shall consider the following factors:

i. Whether the goods or services can be procured in-state in sufficient and reasonably available quantities and of a satisfactory quality;

ii. Whether an Ohio bid has been submitted;

iii. Whether the lowest Ohio bid, if any, offers a price to the City deemed to be an excessive price (defined as a price that exceeds by more than five per cent the lowest non-Ohio bid submitted);

iv. Whether the lowest Ohio bid, if any, offers a disproportionately inferior product or service.

c. Where the City determines that selection of the lowest Ohio bid, if any, will not result in an excessive price or disproportionately inferior product or service, the City shall include that Bidder in its lowest and best analysis.

d. Where the City otherwise determines it is advantageous to propose the award of a contract to other than an Ohio bidder or bidder from a border state, the City shall include that Bidder in its lowest and best analysis.

ii. In addition to the forgoing, City may consider the following criteria in determining the lowest and best bidder; and, in its discretion, may consider and give such weight to these criteria as it deems appropriate:

1. Past Contract Performance

a. Whether Bidder has failed to perform a contract within the last five years from the date of Bid submission based on all information including fully settled disputes or litigation. A fully settled dispute or litigation is one that has been resolved in accordance with the dispute resolution mechanism under the respective contract, and where all appeal instances available to the Bidder have been exhausted.

b. Whether Bidder has failed to sign a contract after submitting a bid security in the past five years.

c. All pending litigation shall in total not represent more than ten percent (10%) of the Bidder's net worth and shall be treated as resolved against the Bidder.

d. Bidder's history of making claims against others or having claims made against it; and, if the Bidder's management operates or has operated another construction company, the work history of that company in determining whether the Bidder submitted the lowest and best Bid.

2. Financial Ability

a. The Bidder's financial ability to complete the Contract successfully and on time without resort to its Surety.

b. The City may request Bidder provide for its review audited financial statements, to the extent available, and if not available, reviewed financial statements including balance sheets, income statements, and cash flow statements, or other financial statements acceptable to the City, for the last three years to demonstrate the current soundness of the Bidder's financial position and its prospective long term profitability.

i. The Bidder's average coefficient of Current ratio (Current Assets/Current Liabilities) compared to 1. The greater, the better.

ii. The Bidder's average coefficient of Debt ratio (Total Debt/Total Assets) compared to 1. The lesser, the better.

3. Experience

a. Whether the Bidder has experience under contracts in the role required by this Contract for at least the last five years before the Bid submission deadline, and with activity in at least nine months each year.

b. Whether the Bidder has participated as in the role required by this Contract in at least two contracts within the last five years, each with a value of at least 85% of the stated estimate for this Project,

that have been successfully and substantially completed and that are similar to the proposed Works. Similarity shall be based on the physical size, complexity, methods, technology or other characteristics as described in the Contract Documents.

c. For the above or other contracts executed during the period stipulated in above, whether the Bidder has experience in the following key activities: **horizonal work sanitary sewer manhole rehabilitation.**

d. Whether the Bidder has a record of consistent customer satisfaction and of consistent completion of projects, including projects that are comparable to or larger and more complex than the Project, on time and in accordance with the applicable Contract Documents.

e. The Bidder's prior experience on other projects with the CITY OF DUBLIN and with other public owners, including the Bidder's demonstrated ability to complete its work on these projects in accordance with the Contract Documents and on time, and will also consider its ability to work with the City as a willing, cooperative, and successful team member.

4. Whether the Bidder possesses or can obtain sufficient equipment and facilities to complete the Project.

5. The adequacy, in numbers and experience, of the Bidder's work force to complete the Contract successfully and on time.

6. The Bidder's compliance with federal, state, and local laws, rules, and regulations, including but not limited to the Occupational Safety and Health Act, Prevailing Wage laws, and Ethics laws.

7. The Bidder's participation in a drug-free workplace program acceptable to the City, and the Bidder's record for both resolved and unresolved findings of the Auditor of State for recovery as defined in Section 9.24 of the O.R.C..

8. The City's prior experience with the Bidder's surety.

9. The Bidder's interest in the Project as evidenced by its attendance at any pre-Bid meetings or conferences for Bidders.

10. Depending upon the type of the work, other essential factors, as the City may determine and as are included in the Specifications.

11. The foregoing information with respect to each of the Subcontractors and Suppliers that the Bidder intends to use on the Project.

e. With its Bid, the Bidder will complete and submit to the City a completed Contractor's Qualification Statement (using the form included in the Contract Documents), and

thereafter will provide the City with such additional information as the City may request regarding the Bidder's qualifications.

f. The failure to submit requested information on a timely basis may result in the determination that the Bidder is not the lowest and best Bidder.

g. With its Bid, the Bidder shall submit a list of proposed subcontractors using the form included with the Contract Documents. Subcontract work shall not total more than **50%** of the Contractor's Contact with the City.

h. The City reserves the right to reject proposed Subcontractors before the Contract is awarded. The Bidder shall replace rejected subcontractors with subcontractors acceptable to the City with no change in the amount of the Bid submitted by the Bidder to City. After approval by the City of the list of proposed Subcontractors, Suppliers, and manufacturers submitted by the successful Bidder, the list shall not be changed unless written approval of the change is authorized by the City. The City reserves the right to reject Subcontractors after the Contract is awarded. In that instance, the City shall only be liable to the Contractor for the difference in Contract Price between the rejected subcontractor and the replacement subcontractor. The Contractor's markup on the replacement subcontractor shall be equal to or less than the markup on the rejected subcontractor contract.

i. With its Bid, the Bidder shall submit a list of supervisory personnel with which it intends to staff the Project indicating their respective roles on the Project. The City reserves the right to reject proposed personnel both before and after the Contract is awarded with no additional cost to the City. Once the personnel list is approved by the City, it shall not be changed without the written consent of the City.

j. No Bidder may withdraw its Bid within sixty (60) days after the date Bids are opened. The City reserves the right to waive any formalities or irregularities or to reject any or all Bids.

k. The City reserves the right to disqualify Bids, before or after opening, upon evidence of collusion with intent to defraud or other illegal practices on the part of the Bidder.

l. By submitting its Bid, the Bidder agrees that the City's determination of which Bidder is the lowest and best Bidder shall be final and conclusive, and that if the Bidder or any person on its behalf challenges such determination in any legal proceeding, the Bidder will indemnify and hold the City and its employees and agents harmless from any claims included or related to such legal proceeding, whether or not proven, and from legal fees and expenses incurred by the City, its employees, or agents that arise out of or are related to such challenge.

m. Award of Contract. The award and execution of the Contract, when required, will only be made pursuant to the legal process applicable to the City for awarding contracts of this nature.

END OF INSTRUCTIONS TO BIDDERS

C. REQUEST FOR INFORMATION (PRE-BID)

CITY OF DUBLIN
2015 SANITARY SEWER MANHOLE REHABILITATION

The person, firm, or corporation submitting a request for information shall be responsible for its prompt delivery and do so in a manner that will allow a sufficient period of time for the issuance and delivery of an Addendum before receipt of bids. The CITY OF DUBLIN will not be responsible for any other explanations of the Contract Documents made before the receipt of bids.

Please submit all pre-bid questions in writing by facsimile or electronic mail (Email) to: Todd Garwick, P.E., 614-410-4699 or tgarwick@dublin.oh.us

Company:	Contact Name:
Email:	Phone:
Requested Information:	

D. BID COVERSHEET

BIDDERS SHALL ATTACH THIS FORM AS THE COVERSHEET TO THE BID. USE THE BOXES BELOW TO CHECK YOUR WORK. COMPLETING THIS FORM DOES NOT GUARANTEE THAT YOUR BID WILL BE RESPONSIVE OR SELECTED; BUT, SHOULD HELP TO OVERCOME THE MOST COMMON BIDDER MISTAKES. THE CITY OF DUBLIN, OHIO RESERVES THE RIGHT TO REJECT ANY AND ALL PROPOSALS AND TO WAIVE ANY INFORMALITIES OR IRREGULARITIES IN THE PROPOSALS.

1. Bidder's Company Name: _____

2. Total Bid (From Bid Form): $_____

BID PACKAGE

- ☐ Reviewed in detail?

PROPOSAL

- ☐ Acknowledged any addenda?
- ☐ Total bid amount completed in words and figures?
- ☐ Signed by a person with authority to bind your company?
- ☐ No changes made to form or conditions added?

BID SCHEDULE

- ☐ Completely filled in?

COMBINED BID/PERFORMANCE/PAYMENT BOND

- ☐ Your company name in the Principal blank?
- ☐ Surety name in the Surety blank?
- ☐ Dollar amount should be blank
- ☐ Signed as indicated?

COMBINED DELINQUENT PERSONAL PROPERTY TAX & NONCOLLUSION AFFIDAVIT

- ☐ Filled in?
- ☐ Signed?
- ☐ Notarized?

AFFIDAVIT OF AUTHORITY

- ☐ Needs completed if you are anything other than a sole proprietor
- ☐ Filled in?
- ☐ Signed?
- ☐ Notarized?

POWER OF ATTORNEY (OUT OF STATE CORPORATION)

- ☐ Must have if you are an out of state corporation

LIST OF SUBCONTRACTORS

- ☐ Completed?

LIST OF SUPERVISORY PERSONNEL

- ☐ Completed?

CONTRACTOR QUALIFICATION STATEMENT

- ☐ Completed?

INSURANCE CERTIFICATE

- ☐ Submitted?

WORKERS COMPENSATION COVERAGE

- ☐ Submitted?

W-9 FORM

- ☐ Submitted?

E. PREVAILING WAGE RATES DISK

II. BIDDING FORMS

A. PROPOSAL

CITY OF DUBLIN

2015 SANITARY SEWER MANHOLE REHABILITATION

_____ (the "Bidder") submits this Proposal having read and examined the contract documents, including but not limited to the Invitation to Bid.

Addenda Number	Date of Receipt
_____	_____
_____	_____
_____	_____

The Bidder proposes to perform all work for the Agreement for Construction in accordance with the contract documents for the following sum:

Total Bid (in figures): $ _____

Total Bid (in words): _____

_____

In the event of a discrepancy between the amount of the total bid as written in figures and in words, the amount written in words shall govern.

Unless otherwise specified in the Bid Document the amount of the total bid is based on the unit prices or lump sum set forth in the Bid Schedule attached hereto and incorporated herein.

The Bidder understands and agrees that all work to be performed under the Agreement for Construction shall be completed by the date or time required by the Contract Documents unless an extension of time is granted by the CITY OF DUBLIN.

Upon failure to have the work completed within the project time, the CITY OF DUBLIN, OHIO shall be entitled to retain or recover from the Bidder, as liquidated damages, and not as a penalty, the amounts set forth in the Contract Documents for each and every calendar day until completion. The right of the CITY OF DUBLIN, OHIO to recover liquidated damages shall not substitute for any recovery for additional costs in the event the Bidder fails to complete the Agreement for Construction according to the Contract Documents.

REPRESENTATIONS OF THE BIDDER

The Bidder represents the following:

1. The Bidder has read and understands the Contract Documents and understands that it must comply with all requirements of the Contract Documents, regardless of whether the Bidder has actual knowledge of the requirements and regardless of any statement or omission made by the Bidder that might indicate a contrary intention.

2. The Bid is based upon the items specified by the Contract Documents.

3. The Bidder has visited the site, become familiar with local conditions, and has correlated personal observations about the requirements of the Contract Documents. The Bidder has no outstanding questions regarding the interpretation of the Contract Documents.

4. Within ten (10) business days from the date of receipt the Notice of Intent to Award, the Bidder understands that it must enter into and execute an agreement for CITY OF DUBLIN, 2015 SANITARY SEWER MANHOLE REHABILITATION if awarded based on this proposal. If the Bidder does not execute an agreement for the Project for any reason, the Bidder and the Bidder's surety shall be liable to the CITY OF DUBLIN, OHIO as provided in O.R.C. Section 153.54.

5. Within ten (10) business days of the date of receipt of the Notice of Intent to Award, the Bidder understands that it must submit the following:

   a. Performance Bond. (If combined bid/performance/payment not submitted already).

   b. Copy of Additional Insured Endorsement.

6. The Bidder understands that it must furnish any other information requested by the CITY OF DUBLIN.

The Bidder hereby signs this Proposal on the ___ day of _____, 2015.

If Bidder is an individual, complete the following:

Signature: _____

Print Name: _____

Name of Business: _____

(if different from above)

Federal Identification Number: _____

Address: _____

_____

Telephone: ( ) _____

Fax: ( ) _____

If Bidder is a partnership, complete the following:

Name of Partnership: _____

By: _____

(Signature)

Print Name: _____

Federal Identification Number: _____

Address: _____

_____

Telephone: ( ) _____

Fax: ( ) _____

Names and Addresses of all general partners:

_____

_____

_____

If Bidder is a joint venture, complete the following:

Name of Joint Venture: _____

By: _____

(Signature)

Print Name: _____

Address: _____

_____

Telephone: ( ) _____

Fax: ( ) _____

Complete the following for each firm represented by the joint venture:

1. Name:_____

Federal Identification Number: _____

Address: _____

_____

Telephone: ( ) _____

Fax: ( ) _____

2. Name: _____

Federal Identification Number: _____

Address: _____

_____

Telephone: ( ) _____

Fax: ( ) _____

If Bidder is a corporation, complete the following:

Name of Corporation: _____

By: _____

(Signature)

Print Name: _____

Title: _____

Federal Identification Number: _____

Address: _____

_____

Telephone: ( ) _____

Fax: ( ) _____

State of Incorporation: _____

Names and addresses of Corporate Officers:

_____

_____

_____

If Bidder is an entity other than those described above, complete the following:

Name of Bidder:

By: _____

(Signature)

Print Name: _____

Title: _____

Federal Identification Number: _____

Address: _____

_____

Telephone: ( ) _____

Fax: ( ) _____

Type of Business Entity: _____

Names and addresses of all Principals:

_____

_____

_____

_____

_____

BID SCHEDULE

BIDDER agrees to perform all work described in the CONTRACT DOCUMENTS for the following unit prices:

2015 Sanitary Sewer Manhole Rehabilitation
15-007-CIP

CITY OF DUBLIN

REF NO.	(1) ITEM	(2) DESCRIPTION	(3) QUANT.	(4) UNIT	(5) LABOR ($)	(6) MATERIAL ($)	(7) (5)+(6) TOTAL ($)	(8) (3) x (7) TOTAL EXTENDED INFORMAL PRICE ($)
		GENERAL						
1	614	Maintaining Traffic	1	L.S.				
2	SS-10	Cementitious MH Rehabilitation	2,849	VF				
3	SS-10	Internal Chimney Seal	190	Ea.				
							GENERAL SUBTOTAL =	
							BASE BID (REF. #'s 1 - 3) =	

* DENOTES ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS (LATEST EDITION). ALL OTHER ITEMS REFERENCE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS.

SUBMITTED:
(COMPANY) _____

C. COMBINED BID/PERFORMANCE/PAYMENT BOND

CITY OF DUBLIN
2015 SANITARY SEWER MANHOLE REHABILITATION

KNOW ALL PERSONS BY THESE PRESENTS, that we, the undersigned _____ (the "Principal") and

_____ (the "Surety"),are hereby held and firmly bound unto the CITY OF DUBLIN, Ohio as obligee in the penal sum of the dollar amount of the bid submitted by the Principal to the CITY OF DUBLIN on _____, 2015 to undertake the project known as the **CITY OF DUBLIN, 2015 SANITARY SEWER MANHOLE REHABILITATION.**

The penal sum referred to herein shall be the dollar amount of the Principal's bid to CITY OF DUBLIN, incorporating any additive or deductive alternate proposals made by the Principal on the date referred to above to the CITY OF DUBLIN, which are accepted by the CITY OF DUBLIN. In no case shall the penal sum exceed the amount of _ dollars ($_). (If the foregoing blank is not filled in, the penal sum will be the full amount of the Principal's bid, including alternates. Alternatively, if the blank is filled in, the amount stated must not be less than the full amount of the bid including alternates, in dollars and cents. A percentage is not acceptable.)

For the payment of the penal sum well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH, that whereas the above-named Principal has submitted a bid for the CITY OF DUBLIN, 2015 SANITARY SEWER MANHOLE REHABILITATION.

NOW, THEREFORE, if the CITY OF DUBLIN accepts the bid of the Principal and the Principal fails to enter into a proper contract in accordance with the bid, plans, details, specifications, and bills of material; and in the event the Principal pays to the CITY OF DUBLIN the difference not to exceed ten percent of the penalty hereof between the amount specified in the bid and such larger amount for which the CITY OF DUBLIN may in good faith contract with the next lowest bidder to perform the work covered by the bid, or in the event the CITY OF DUBLIN does not award the contract to the next lowest bidder and resubmits the project for bidding, the Principal will pay the CITY OF DUBLIN the difference not to exceed ten percent of the penalty hereof between the amount specified in the bid, or the costs, in connection with the resubmission, of printing new contract documents, required advertising and printing and mailing notices to prospective bidders, whichever is less, then this obligation shall be null and void, otherwise to remain in full force and effect; if the CITY OF DUBLIN accepts the bid of the Principal and the Principal within ten days after the awarding of the contract, enters into a proper contract in accordance with the bid, plans, details specifications, and bills of material, which said contract is made a part of this bond the same as though set forth herein.

NOW ALSO, if the Principal shall well and faithfully do and perform the things agreed by Principal to be done and performed according to the terms of said contract; and shall pay all lawful claims of subcontractors, material men, and laborers, for labor performed and materials furnished in the carrying forward, performing, or completing of said contract; we agreeing and assenting that this undertaking shall be for the benefit of any material man or laborer having a just claim, as well as for the CITY OF DUBLIN herein; then this obligation shall be void; otherwise the same shall remain in full force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall in no event exceed the penal amount of this obligation as herein stated.

The Surety hereby stipulates and agrees that no modifications, omissions, or additions, in or to the terms of said contract or in or to the plans or specifications therefore shall in any wise affect the obligations of the Surety on the Surety's bond, and the Surety does hereby waive notice of any such modifications, omissions or additions to the terms of the contract or to the plans or specifications.

Signed this _____ day of _____, 2015.

PRINCIPAL:

_____

By: _____

(Signature)

Print Name: _____

Title: _____

Address:

_____

_____

Telephone: ( ) _____

SURETY:

_____

By: _____

(Signature)

Print Name: _____

Title: _____

Address:

_____

_____

Telephone: ( ) _____

SURETY AGENT:

_____

By: _____

(Signature)

Print Name: _____

Title: _____

Address:

_____

_____

Telephone: ( ) _____

D. ALTERNATE BID SECURITY FORM

Bidder Name: _____

Project Name: 2015 SANITARY SEWER MANHOLE REHABILITATION

The undersigned Bidder hereby submits with its bid the following bid security equaling 10% of the total amount of the bid as required by Ohio Revised Code Section 153.54:

[ ] A Certified Check

[ ] A Cashier's Check

[ ] A Letter of Credit pursuant to Chapter 1305 of the Ohio Revised Code

A bid guaranty filed under this form shall be conditioned to provide that if the bid is accepted, the bidder, after the awarding or the recommendation for the award of the contract, whichever the CITY OF DUBLIN designates, will enter into a proper contract in accordance with the bid, plans, details, specifications, and bills of material. All bid guaranties filed hereunder shall be payable to the CITY OF DUBLIN, be for the benefit of the CITY OF DUBLIN, and be deposited with, and held by, the CITY OF DUBLIN.

Bidder Signature: _____

Print Name: _____

E. AFFIDAVIT OF AUTHORITY

CITY OF DUBLIN

2015 SANITARY SEWER MANHOLE REHABILITATION

(To be completed and executed if the Contractor is anything other than a sole proprietorship.)

State of _____ (State Where Completing this Form)

County of _____ (County Where Completing this Form) ss:

_____ (Your Name), being duly sworn, deposes and says that he or she is the _____ (Position) of _____ (Business Name), a _____ (Type of Entity) organized and existing under and by virtue of the laws of the State of _____ (State), and having its principal office at:_____(Address), _____ (City), _____ (County),_____ (State).

Affiant further says that he is familiar with the records, minute books and by-laws of_____ (Business Name).

Affiant further says that _____ (Name of Person Signing Contract) _____ (Title of Person Signing Contract) of _____ (Business Name) is duly authorized to sign the Contract for the CITY OF DUBLIN 2015 SANITARY SEWER MANHOLE REHABILITATION Project on behalf of _____ (Business Name) by virtue of _____.

(Describe how the person signing the Contract has Authority to sign for example: "a provision of the by-laws" or "a resolution of the Board of Directors"—if by resolution, give date of adoption.)

_____ , _____ .

(Your Signature) (Your Position)

The foregoing instrument was acknowledged before me this _____ (date) by _____ (name of person acknowledged). Signature and Seal of person taking acknowledgement:

_____

F. COMBINED DELINQUENT PERSONAL PROPERTY TAX & NONCOLLUSION AFFIDAVIT

State of _____ (State Where Completing this Form)

County of _____ (County Where Completing this Form) ss:

_____ (Your Name), Affiant, being first duly sworn, deposes and says:

1. I am the _____ (Your Title) of _____ (Business Name), the Bidder that has submitted the attached Bid;

2. I am fully informed respecting the preparation and contents of the attached Bid and all pertinent circumstances respecting such Bid, and that such Bid is genuine and is not a collusive or sham Bid;

4. Neither the said Bidder nor any of its officers, partners, owners, agents, representatives, employees, or parties in interest, including this affiant, has in any way colluded, conspired, connived, or agreed directly or indirectly with any other Bidder, firm, or person to submit a collusive or sham Bid in connection with the contract for which the attached Bid has been submitted, or to refrain from Bidding in connection with such contract, or has in any manner directly or indirectly sought by agreement, collusion, communication, or conference with any other Bidder, firm, or person to fix the price or prices in the attached Bid or of any other Bidder, or to fix any overhead, profit, or cost element of Bid price or the Bid price of any other Bidder, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against the **CITY OF DUBLIN**, **OHIO**, or any person interested in the proposed contract; and

5. The price or prices quoted in the attached Bid are fair, proper, and not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the Bidder or any of its agent's representatives, owners, employees, or parties in interest, including this affiant.

6. Effective this _____ day of _____, **2015**, the Bidder:

Choose One

(__) is charged with delinquent personal property taxes on the general list of personal property as set forth below:

County	Amount (include total amount, with penalties and interest thereon)
_____County	$_____
_____County	$_____
_____County	$_____
_____County	$_____

(__) is not charged with delinquent personal property taxes on the general list of personal property in any Ohio county.

Signed: _____

Title: _____

The foregoing instrument was acknowledged before me this _____ (date)

by _____ (name of person acknowledged).

Signature and Seal of person taking acknowledgement:

_____ _____

G. W-9 FORM

Form **W-9**
(Rev. December 2011)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

Give Form to the requester. Do not send to the IRS.

Print or type
See Specific Instructions on page 2.

Name (as shown on your income tax return)

Business name/disregarded entity name, if different from above

Check appropriate box for federal tax classification:
☐ Individual/sole proprietor ☐ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶

☐ Other (see instructions) ▶

☐ Exempt payee

Address (number, street, and apt. or suite no.)

Requester's name and address (optional)

City, state, and ZIP code

List account number(s) here (optional)

Part I **Taxpayer Identification Number (TIN)**

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number
☐☐☐ – ☐☐ – ☐☐☐☐

Employer identification number
☐☐ – ☐☐☐☐☐☐☐

Part II **Certification**

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here **Signature of U.S. person ▶** **Date ▶**

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

Cat. No. 10231X Form **W-9** (Rev. 12-2011)

H. LIST OF SUBCONTRACTORS

CITY OF DUBLIN

2015 SANITARY SEWER MANHOLE REHABILITATION

NOTE: The bidder must perform at least 50% of the total contract cost with its own forces.

1. Name of Subcontractor (Include names of any parent company) :_____

Federal Identification Number: _____

Address _____

_____

Type of Work:

Subcontractor to Provide:_____

Approximate Percentage of the Contract Cost to be Performed by Subcontractor: _____

Experience Record: _____

_____

_____

2. Name of Subcontractor (Include names of any parent company) :_____

Federal Identification Number: _____

Address: _____

_____

Type of Work:

Subcontractor to Provide:_____

Approximate Percentage of the Contract Cost to be Performed by Subcontractor: _____

Experience Record: _____

_____

_____

3. Name of Subcontractor (Include names of any parent company) :_____

Federal Identification Number: _____

Address: _____

_____

Type of Work:

Subcontractor to Provide:_____

Approximate Percentage of the Contract Cost to be Performed by Subcontractor: _____

Experience Record: _____

_____

_____

4. Name of Subcontractor (Include names of any parent company) :_____

Federal Identification Number: _____

Address: _____

_____

Type of Work:

Subcontractor to Provide:_____

Approximate Percentage of the Contract Cost to be Performed by Subcontractor: _____

Experience Record: _____

_____

_____

5. Name of Subcontractor (Include names of any parent company) :_____

Federal Identification Number: _____

Address: _____

_____

Type of Work:

Subcontractor to Provide:_____

Approximate Percentage of the Contract Cost to be Performed by Subcontractor: _____

Experience Record: _____

_____

_____

Add additional sheets if necessary.

I. CONTRACTOR QUALIFICATION STATEMENT

Contractor: _____

Date: _____

Project: **2015 SANITARY SEWER MANHOLE REHABILITATION**

The foregoing Contractor submits this Statement of Qualifications to the CITY OF DUBLIN, OHIO as part of its bid for the above named Project and represents that the information contained herein is complete and accurate to the best of the Contractor's knowledge. The CITY OF DUBLIN reserves the right to reject any, part of any, or all bids and to waive any informalities and irregularities. The Contractor expressly acknowledges this right of the CITY OF DUBLIN to reject any or all bids or to reject any incomplete or irregular bid. Contractor must furnish all information requested on this Statement of Qualifications. Failure to do so may result in disqualification of the bid. The CITY OF DUBLIN may consider the information submitted on this form in determining the lowest and best Contractor for the Project giving such weight to each item as the CITY OF DUBLIN deems appropriate. The CITY OF DUBLIN may conduct such investigations and request such documents as are deemed necessary to establish the qualifications and financial ability of the Contractor and its subcontractors and suppliers.

The Contractor authorizes the CITY OF DUBLIN and its representatives to contact the owners, design professionals, and others having knowledge (collectively "Contacts") on projects on which the Contractor has worked—whether listed on this form or not—and authorizes and requests such Contacts to provide the CITY OF DUBLIN with a candid evaluation of the Contractor's performance. By submitting its bid, the Contractor agrees that if it or any person, directly or indirectly, on its behalf or for its benefit brings an action against any of such Contacts or the employees of any of them as a result of or related to such candid evaluation, the Contractor will indemnify and hold harmless such Contacts and the employees of any of them from any claims whether or not proven that are part of or are related to such action and from all legal fees and expenses incurred by any of them arising out of or related to such legal action. This obligation is expressly intended for the benefit of such Contacts and the employees of each of them. By submitting this form, Contractor agrees that the CITY OF DUBLIN's determination of which Contractor is the lowest and best Contractor shall be final and conclusive, and that if the Contractor or any person on its behalf challenges such determination in any legal proceeding, the Contractor will indemnify and hold the CITY OF DUBLIN and its employees and agents harmless from any claims included or related to such legal proceeding, whether or not proven, and from legal fees and expenses incurred by the City, its employees, or agents that arise out of or are related to such challenge.

NAME OF PROJECT: 2015 SANITARY SEWER MANHOLE REHABILITATION

1. ORGANIZATION

1.1 How many years has your organization been in business as a Contractor?

1.2 How many years has your organization been in business under its present business name?

1.2.1 Under what other or former names has your organization operated?

1.3 If your organization is a corporation, answer the following:

1.3.1 Date of incorporation:

1.3.2 State of incorporation:

1.3.3 President's name:

1.3.4 Vice President's name(s):

1.3.5 Secretary's name:

1.3.6 Treasurer's name:

1.4 If your organization is a partnership, answer the following:

1.4.1 Date of organization:

1.4.2 Type of partnership (if applicable):

1.4.3 Name(s) of general partner(s):

1.5 If your organization is individually owned, answer the following:

1.5.1 Date of organization:

1.5.2 Name of owner:

1.6 If the form of your organization is other than those listed above, describe it and name the principals:

2. LICENSING

2.1 List jurisdictions and trade categories in which your organization is legally qualified to do business, and indicate registration or license numbers, if applicable.

2.2 List jurisdictions in which your organization's partnership or trade name is filed.

3. EXPERIENCE

3.1 List the categories of work that your organization normally performs with its own forces.

3.2 Claims and Lawsuits (If the answer to any of the questions below is yes, please attach details.)

3.2.1 Has your organization ever failed to complete any work?

3.2.2 Within the last five (5) years has your organization or any of its officers initiated any Claims, had any Claims initiated against it or them, or been involved in or is currently involved in any mediation or arbitration proceedings or lawsuits suits related to any construction project, or has any judgments or awards outstanding against it or them? If the answer is yes, please attach the details for each Claim, including the names and telephone numbers of the persons who are parties, the amount of the Claim, the type of Claim and basis for the Claim, and the outcome.

Note: As used in this document "Claim" means a Claim initiated under the Contract Documents for a project.

3.3 Within the last five years, has any officer or principal of your organization ever been an officer or principal of another organization when it failed to complete a construction contract? If the answer is yes, please attach details for each instance, including the names and telephone numbers of the persons who are parties to the contract, and the reason(s) the contract was not completed.

3.4 On a separate sheet, list construction projects your organization has in progress with an original Contract Sum of more than $ 425,000.00, giving the name of project, owner and its telephone number, design professional and its telephone number, contract amount, percent complete and scheduled completion date.

3.4.1 State total amount of work in progress and under contract:

3.5 Provide the following information for each contract your organization has had during the last five (5) years, including current contracts, where the Contract Sum is fifty percent (50%) or more of the bid amount for this Project, including add alternates. If there are more than ten (10) of these contracts only provide information on the most recent ten (10) contracts, including current contracts.

Project And Work	Contract Sum	Owner's Representative & Telephone Number	Engineer's Or Architect's Representative Name & Telephone Number

3.5.1 Provide the following information for each project your organization has had during the last five (5) years, which your organization believes is of comparable or greater size and complexity than the Owner's project. If there are more than five (5) of these projects, only provide information on the most recent five (5) projects, including current projects.

Project And Work	Contract Sum	Owner's Representative & Telephone Number	Engineer's Or Architect's Representative Name & Telephone Number

3.5.2 State average annual amount of construction work your organization has performed during the last five years.

3.5.3 If any of the following members of your organization's management--president, chairman of the board, or any director--operates or has operated another construction company during the last five (5) years, identify the member of management and the name of the construction company.

3.5.4 If your organization is operating under a trade name registration with the Secretary of State for the State of Ohio, identify the entity for which the trade name is registered. If none, state "none."

3.5.5. If your organization is a division or wholly-owned subsidiary of another entity or has another relationship with another entity, identify the entity of which it is a division or wholly-owned subsidiary or with which it has another relationship and also identify the nature of the relationship. If none, state "not applicable."

3.6 On a separate sheet, list the construction education, training and construction experience for each person who will fill a management role on the Project, including without limitation the Project Executive, Project Engineer, Project Manager, and Project Superintendent. For each person listed, include with the other information

the last three projects on which the person worked and the name and telephone number of the Design Professional and the Owner.

4. REFERENCES

4.1 Trade References:

4.2 Bank References:

4.3 Surety:

4.3.1 Name of bonding company:

4.3.2 Name and address of agent:

5. FINANCING

5.1 Financial Statement - Upon submission of your bid you agree to make the following financial information available to the City if requested :

5.1.1 An audited financial statement if available and, if not, a reviewed financial statement, including your organization's latest balance sheet and income statement showing the following items:

Current Assets (e.g., cash, joint venture accounts, accounts receivable, notes receivable, accrued income, deposits, materials inventory and prepaid expenses);

Net Fixed Assets;

Other Assets;

Current Liabilities (e.g., accounts payable, notes payable, accrued expenses, provision for income taxes, advances, accrued salaries and accrued payroll taxes); and

Other Liabilities (e.g., capital, capital stock, authorized and outstanding shares par values, earned surplus and retained earnings).

5.1.2 Name and address of firm preparing attached financial statement, and date thereof.

5.1.3 Is the attached financial statement for the identical organization named on page one?

5.1.4 If not, explain the relationship and financial responsibility of the organization whose financial statement is provided (e.g., parent-subsidiary).

5.2 Will the organization whose financial statement is attached act as guarantor of the contract for construction?

Certification. The undersigned certifies for the reliance of the Owner that after diligent investigation, to the best of the undersigned's belief, the information provided with this Contractor's Qualification Statement is true, accurate and not misleading.

SIGNATURE

Dated at this ____ day of _____, 2015.

Name of Organization: _____

By: _____(Print Name)

Signature: _____

Title: _____

_____, being duly sworn, deposes and says that the information provided herein is true and sufficiently complete so as not to be misleading.

Subscribed and sworn before me this _____ day of _____, 2015.

_____
Notary Public

My Commission Expires: _____

SEAL

CONTRACTOR'S ORGANIZATION

General Information

Address:_____

Telephone and Facsimile: _____

E-mail address: _____

Web site: _____

If address given above is a branch office address, provide principal home office address: _____

_____

Type of Organization

The Contractor's Organization is a:

__ Corporation

Date and State of Incorporation: _____

Executive Officers: (Names and Addresses)_____

_____

__ Partnership

Date and State of Organization: _____

Type of Partnership: __ General __ Limited __ Limited Liability __ Other: _____

Current General Partners: (Names and Addresses)_____

_____

__ Joint Venture

Date and State of Organization: _____

Joint Venturers: (For each indicate the name, address and form and state of organization, as well as the managing or controlling Joint Venturer if applicable.)_____

_____

_____

_____

__ Limited Liability Company

Date and State of Organization: _____

Members: (Names and Addresses)_____

_____

_____

_____

__ Sole Proprietorship

Date and State of Organization: _____

City or Citys: (Names and Addresses)_____

_____

__ Other

Type of Organization: _____

State of Organization: _____

Citys and/or Principals: (Names and Addresses)_____

_____

In addition to the above categories of business entities, indicate whether Contractor's organization is certified as a:

__ Disadvantaged Business Enterprise Certified by:

_____

__ Minority Business Enterprise Certified by:

_____

__ Women's Business Enterprise Certified by:

_____

__ Historically Underutilized Business Zone Small Business Concern Certified by:_____

LICENSING AND REGISTRATION

Jurisdictions in which Contractor is legally qualified to practice: (Indicate license or registration numbers for each jurisdiction, if applicable, and type of license or registration. Attach separate sheet as necessary.)

_____

_____

In the past five years, has Contractor had any business or professional license suspended or revoked?
__ Yes __ No

If yes, describe circumstances on separate attachment, including jurisdiction and bases for suspension or revocation.

CONTRACTOR'S PERSONNEL AND APPROACH

Key Construction Personnel. Create and attach Schedule A, listing the Contractor's: 1) Key Construction Personnel who will work on the Project; 2) their construction experience; and, 3) the percentage of time that each is anticipated to devote to the Project.

List types of work generally performed by Contractor's own work force:

_____

_____

_____

Subcontractors

Indicate criteria used in the selection of subcontractors (Indicate if Not Applicable).

__ Price

__ Financial strength

__ Bonding capacity

__ Previous experience with Contractor

__ Previous experience in industry

__ Subcontractor's reputation in industry

__ Availability of sufficient personnel

__ Safety record

__ Other: _____

State Contractor's policy on the bonding of its subcontractors:_____

_____

_____

Describe Contractor's proposed technical and management approach to the Project, including approaches to quality, time and cost control: (Attach additional sheets as necessary.)

CONTRACTOR'S RELEVANT EXPERIENCE

Past Projects List. In the chart below, list at least five construction projects Contractor has worked on in the past five (5) years with project delivery systems similar in size and scope to the one to be employed for this Project. (For Joint Ventures, list each joint venturer's projects separately).

City Name	Project Type	Contract Amount	Completion Date	Contact Name and Number

Current Projects List. In the chart below, list all current projects of the Contractor, including projects not yet underway, approximate dollar value of each and the percentage of completion of each project. (For Joint Ventures, list each joint venturer's projects separately).

City Name	Project Type	Contract Amount	Percentage Complete	Contact Name and Number

Annual Construction Volume. Indicate the annual volume of work completed for the past three years:

Year ____ _____

Year ____ _____

Year ____ _____

In the past five years, has Contractor defaulted, been terminated for cause or failed to complete a construction contract awarded to it? __ Yes __ No

If yes, describe circumstances on separate attachment, including dates and owner, and if applicable, Contractor's surety.

In the past five years, has any officer, partner, joint venturer or proprietor of the Contractor ever failed to complete a construction contract awarded to that person or entity in their name or on behalf of another organization? __ Yes __ No

If yes, describe circumstances on separate attachment, including dates and City, and if applicable, surety.

Describe all litigation arising from Contractor's active projects or projects worked on within the last five years. (Attach additional sheets as necessary.)

CONTRACTOR'S SAFETY PROGRAM

If Contractor has a written safety program, attach a copy.

Does the Contractor's safety program include instructions on the following:

Safety work practices __ Yes __ No

Safety supervision __ Yes __ No

Toolbox safety meetings __ Yes __ No

Emergency procedures __ Yes __ No

First aid procedures __ Yes __ No

Accident investigation __ Yes __ No

Fire protection __ Yes __ No

New workers' orientation __ Yes __ No

Do you have a safety officer/department in your company? __ Yes __ No

If yes,

Name: _____

Title: _____

Phone: _____

Do you conduct project safety inspections? __ Yes __ No

If yes, how often? _____

Who conducts this inspection?

Name: _____

Title: _____

Do you hold project safety meetings for field supervisors? __ Yes __ No

If yes, how often? __ Weekly __ Bi-weekly __ Monthly __ Less often as needed

Do you have in place an instruction program on safety for newly hired or promoted supervisors? __ Yes __ No

If yes, please attach a copy of program format.

If craft "toolbox" safety meetings are held, what is their frequency? __ Weekly __ Bi-weekly __ Monthly __ Less often as needed

Do you have a drug and alcohol testing policy? __ Yes __ No

If Yes, attach a copy of the policy.

Provide Contractor's OSHA No. 300 Log and Summary of Occupational Injuries and Illnesses for the past five years.

List all OSHA Citations and Notifications of Penalty, monetary or other, received within the last five years: (Indicate final disposition as applicable. Attach additional sheets as necessary.)

List all safety citations of violations under state law received within the last five years: (Indicate final disposition as applicable. Attach additional sheets as necessary.)

SURETY AND INSURANCE

Surety Company: (Name and Address)

Agent: (Name, Address and Telephone Number)

Total bonding capacity: $ _____

Limit per project: $ _____

Available bonding capacity as of this date: $ _____

CONTRACTOR FINANCIAL INFORMATION

List principal banks used, the approximate value of outstanding loans and general repayment history, as well as the Name, Address and Telephone Number of a contact person:

If requested by the City, provide audited financial statements for the past three (3) years, if available, and if not, then reviewed financial statements, including the information required in Section 5 – Financing, above.

State whether Contractor, or any of the individuals identified in Article 1, has/have been the subject of any bankruptcy proceeding within the last five (5) years.

__ Yes __ No

If yes, describe circumstances on separate attachment.

STATEMENT OF POTENTIAL CONFLICTS OF INTEREST

Provide information about any business associations, financial interests or other circumstances that may create a conflict of interest with the City or any other Party known to be involved in the Project.

OTHER INFORMATION

Within the past five years, has Contractor, or any of the individuals identified in Article 1 and/or Schedule A been the subject of any criminal indictment or judgment of conviction for any business-related conduct constituting a crime under state or federal law? __ Yes __ No

If yes, describe circumstances on separate attachment.

Within the past five years, has Contractor or any of the individuals identified in Article 1 and/or Schedule A been the subject of any federal or state suspension or disbarment? __ Yes __ No

If yes, describe circumstances on separate attachment.

Within the past five years, has Contractor, or any of the individuals identified in Article 1 and/or Schedule A been the subject of any formal proceeding or consent order with a state or federal environmental agency involving a violation of state or federal environmental laws? __ Yes __ No

If yes, describe circumstances. (Attach additional sheets as necessary.)

REFERENCES

Provide one additional reference for each of the following categories.

1. City

Name: _____

Address: _____

Telephone No.: _____

Contact Person: _____

2. Architect/Engineer

Name: _____

Address: _____

Telephone No.: _____

Contact Person: _____

3. Subcontractor

Name: _____

Address: _____

Telephone No.: _____

Contact Person: _____

The Undersigned, on behalf of the Contractor, certifies under that the information provided here, or attached to this form, is true and sufficiently complete to the best of the Contractor's knowledge.

CONTRACTOR

Signature_____

Printed Name: _____

Title: _____

Date: _____

III. ADDITIONAL CONTRACT DOCUMENTS

A. CITY OF DUBLIN/CONTRACTOR AGREEMENT

STANDARD AGREEMENT

CITY OF DUBLIN, OHIO

INTRODUCTION

This Agreement is entered into on , by and between the CITY OF DUBLIN, OHIO ("Owner"), located at 5200 Emerald Parkway, Dublin, Ohio 43017 , and ("Contractor'), located at for the CITY OF DUBLIN 2015 SANITARY SEWER MANHOLE REHABILITATION ("Project").

THIS DOCUMENT HAS IMPORTANT LEGAL CONSEQUENCES. CONSULTATION WITH AN ATTORNEY IS ENCOURAGED WITH RESPECT TO ITS EXECUTION, COMPLETION AND MODIFICATION.

The Owner, a political subdivision of the State of Ohio, and the Contractor have entered into this Owner-Contractor Agreement ("Agreement") as of the date set forth above. The Owner and the Contractor agree as follows:

1 WORK.

1.1 The Contractor shall furnish all the labor, services, materials, plant, equipment, tools, scaffolds, appliances, transportation, and all other things (collectively called the "Work") necessary for the timely and proper completion of the Work described in the Contract Documents for the Project. The Contractor shall provide the Performance and Payment Bonds on the forms and in the manner described in the Contract Documents.

1.2 CLEANUP. Contractor shall cleanup, repair, restore and otherwise return any site or location provided by Owner to the condition in which it was delivered to Contractor. Contractor shall repair, at its sole expense, any property it damages, whether part of the work or not, to a condition acceptable to Owner.

1.3 COMPLETION. The Project shall be finally completed by: June 1, 2016. The Contractor shall at all times furnish sufficient skilled workers, materials, and equipment to perform the Work in strict conformance with the Contract Documents and to the entire satisfaction of the Owner, so as to complete the Project by the Date for Final Completion. All materials and equipment provided shall be new, free from all defects, fit for the purpose for which intended, and merchantable.

1.4 SUPERVISION. The Contractor shall assign a competent Project Supervisor who shall be present on site. At the Owner's request and without additional charge to Owner, the Contractor shall replace the Project Supervisor. The Owner's Representative shall not be responsible for the acts or omissions of the Project Supervisor or his assistants. At a minimum, the Project Supervisor shall be present on site whenever any Contractor or Subcontractor personnel are present on site.

1.5 TAXES AND FEES. Contractor is subject to and responsible for paying fees to obtain all applicable licenses, permits, and other permissions necessary to perform its obligations under this Contract. Contractor is responsible for paying federal, state, and local taxes. Contractor agrees to withhold all income taxes due or payable under the provisions of Income Tax Ordinances of the

Owner, for qualifying wages, salaries, and commissions paid to its employees and further agrees that any of its sub-contractors shall be required to agree to withhold any such income taxes due for services performed under this Contract.

2 CONTRACT DOCUMENTS.

2.1 The Contract Documents consist exclusively of:

- This Agreement Addenda
- Invitation to Bid
- Instructions to Bidders
- Prevailing Wage Rates (if Applicable)
- Proposal
- Bid Schedule
- Performance and Payment Bonds
- Delinquent Personal Property Tax & Noncollusion Affidavit
- Affidavit of Authority (If applicable)
- List of Subcontractors
- Contractor Qualification Statement
- The current version of the CITY OF DUBLIN General Conditions Division 100
- Supplemental or Special General Conditions
- The current version of the CMS, Specification sections 200 through 1000
- Specifications
- Supplemental Specifications
- Notice of Award to Bidder
- Notice to Proceed
- Final Affidavit of Compliance with Prevailing Wages
- Plans and Drawings

3 OWNER'S REPRESENTATIVE.

3.1 The City Engineer and/or his designee is the Owner's Representative with respect to all matters involving the Owner.

3.2 Except as specifically stated to the contrary elsewhere in this Agreement, the Contractor shall direct all communications to the Owner through the Owner's Representative, although the City Manager and Fiscal Officer of the Owner are also authorized to send written communications to the Contractor.

3.3 The Owner's Representative will monitor the progress of the Contractor's Work and will conduct regular inspections of the progress of the Work as provided in the Contract Documents. Such inspections shall not relieve the Contractor of any of its obligations under the Contract Documents.

3.4 The Contractor shall at all times provide the Owner's Representative access to the Work.

4 TIME FOR COMPLETION AND PROJECT COORDINATION.

4.1 Project Time Schedule. The Owner anticipates that Work on the Project will begin upon its issuance of a Notice to Proceed and be completed by June 1, 2016, unless the Owner and Contractor agree to different commencement and completion dates.

4.2 Contractor is responsible for scheduling its subcontractors and for any delay resulting from their performance.

4.3 TIME IS OF THE ESSENCE. THE DATES IN THE PROJECT TIME SCHEDULE ARE OF THE ESSENCE OF THIS AGREEMENT. THE CONTRACTOR SHALL PROSECUTE ITS WORK IN ACCORDANCE WITH THE PROJECT TIME SCHEDULE, INCLUDING ANY AMENDMENTS THERETO.

5 DELAYS AND ACCELERATIONS.

5.1 NOTICE OF DELAYS. The Contractor shall give the Owner written notice of any delay affecting its Work within 24 hours of the commencement of the delay as required in 104.03.B of the General Conditions. The failure to give the required notice or include the required "NOTICE OF DELAY" language shall constitute an irrevocable waiver of the Contractor's right to seek an extension of time and/or additional compensation/damages for the delay. The Owner, in its sole and reasonable discretion, shall determine whether a delay shall entitle the Contractor to an extension of time, additional payment, or both.

5.2 ACCELERATION OF THE WORK. If the Contractor fails to perform as required by the Contract schedule, the Owner may require the Contractor to accelerate its Work by adding workers or working additional shifts, extended shifts or overtime, so that the Work is in final form before the Date for Final Completion. If the Owner requires the Contractor to accelerate its Work, the Contractor shall take the required action within two days of the Notice. If the acceleration is not due to fault of the Contractor, Owner shall issue a Change Order increasing the Contract Sum to pay the Contractor for the Contractor's additional costs of accelerating its Work so that the Work is in final form before the Date for Final Completion. If there is a dispute as to whether the Contractor is entitled to a Change Order for accelerating its Work, the Contractor shall proceed to accelerate its Work without waiting for a Change Order or payment of any additional compensation, but may reserve its right to make a claim against the Owner for its additional costs incurred in accelerating its Work. The Contractor's additional costs for accelerating its Work shall be determined in accordance with Paragraph 5.2.2.

5.2.1 OWNER'S OBLIGATION TO PAY. The Owner shall pay the Contractor, as provided in this Paragraph, for the Contractor accelerating its Work so that its Work is in final form before the Date for Final Completion so long as the acceleration is not required as a result of the Contractor's failure to stay on schedule. The Owner shall not be required to compensate the Contractor for accelerating its Work based on the Contractor's own decision so that the Work is in final form by the Date for Final Completion.

5.2.2 COMPENSATION FOR ACCELERATION OF THE WORK. To the extent that the Owner requires the Contractor to accelerate its Work and is obligated to pay under Section 5.2.1, the Owner shall pay the Contractor for the Contractor's additional costs of accelerating its Work, as determined in accordance with this Paragraph. The additional costs of accelerating the Work shall be (a) any premium for overtime, additional shift work, or extended shift work, (b) the cost of any additional supervision required by the acceleration, (c) out of pocket cost of any additional equipment required for the acceleration, and (d)

overhead, including home office overhead, and profit equal to ten percent (10%) of the total amount of items (a) and (b) for which additional compensation is permitted under this Paragraph. The foregoing shall be the only additional compensation and/or damages the Contractor shall be entitled to receive for accelerating its Work so that it is complete before the Date for Final Completion. As a condition precedent to its recovery of additional compensation, the Contractor shall provide the Owner with full information about the costs of accelerating its Work in the form and format requested by the Owner.

6 CORRECTIVE ACTION.

6.1 If the Owner determines that the Contractor is not cooperating or coordinating its work properly with its subcontractors, not supplying sufficient skilled workers, not cleaning up the Project, not furnishing the necessary materials, equipment, or any temporary services or facilities to perform the Work in strict conformance with the Contract Documents, or the Contractor is not on schedule, or is not otherwise performing its obligations under the Contract Documents, THE CONTRACTOR SHALL IMMEDIATELY, AND IN NOT LESS THAN FORTY-EIGHT (48) HOURS AFTER NOTICE OF SUCH DETERMINATION, OR SUCH LESSER TIME AS MAY BE PROVIDED IN THE CONTRACT DOCUMENTS, (1) COMMENCE SUCH ACTION AS IS NECESSARY TO CORRECT THE DEFICIENCIES NOTED BY THE OWNER, (2) PROCEED TO USE ITS BEST EFFORTS TO CORRECT SUCH DEFICIENCIES WITHIN THIRTY (30) DAYS OF SUCH NOTICE OR BY THE DEADLINE FOR COMPLETION OF THE PROJECT SET FORTH IN THIS AGREEMENT WHICHEVER IS SOONER AND/OR, (3) IF THE OWNER INSTRUCTS THE CONTRACTOR TO TAKE SPECIFIED CORRECTIVE ACTION, SHALL IMMEDIATELY TAKE SUCH CORRECTIVE ACTION, including but not limited to increasing the number of skilled workers, providing temporary services or facilities, and cleaning up the Project. Such corrective action shall be taken and continued uninterruptedly without waiting to initiate any dispute under Paragraph 11 of this Agreement or the resolution of any dispute initiated under such paragraph.

7 CONTRACT SUM. The lump sum Contract Sum to be paid by the Owner to the Contractor, as provided herein, for the satisfactory performance and completion of the Project and all of the duties, obligations and responsibilities of the Contractor under this Agreement and the other Contract Documents will be $. The Contract Sum includes all federal, state, county, municipal, and other taxes imposed by law, including but not limited to any sales, use, and personal property taxes payable by or levied against the Contractor because of the Work or the materials incorporated into the Work. The Contractor shall pay any such taxes.

8 LIQUIDATED DAMAGES.

8.1 The Contractor shall have its Work completed by the Completion Date stated in Paragraph 1.3; the timeline may be varied following award of the contract based upon the Contractor’s ability to perform the work on a different timeline acceptable to the Owner. By entering into this Agreement, the Contractor agrees that the period for performing the Work is reasonable and that the Contractor's Work can be substantially complete by the date stated in this Agreement.

8.2 If the Contractor does not have its Work on the Project complete by the Completion Date or as otherwise agreed by the parties, the Contractor will pay the Owner (and the Owner may set off from sums coming due the Contractor) liquidated damages as set forth in 108.07 of the General Conditions.

8.3 The Contractor acknowledges by signing this Agreement with the Owner that the amount of liquidated damages represents a reasonable estimate of the actual damages the Owner

would incur if the work is not substantially complete by the foregoing date and that the damages that may result from the failure to substantially complete the work by the foregoing date are uncertain and difficult to ascertain. These liquidated damages are damages for loss of use of the Project, and the Contractor in addition to the liquidated damages will be obligated to indemnify and hold the Owner harmless from any claims, and if the Work on the Project is accelerated because of delay, for all costs related to the acceleration of the Work, as provided in the Contract Documents. In addition to such Liquidated Damages, the Contractor shall indemnify, defend and hold the Owner and its employees and agents harmless from any and all claims, whether or not such claims are proven, and from all costs and expenses incurred, as a result of or related to such claims, including but not limited to attorneys' and consultants' fees and expenses, provided that such claims arise out of or are related to the Contractor's failure to Substantially Complete its Work by its Date for Substantial Completion. These Liquidated Damages are in addition to any other remedies available to the Owner under the Contract Documents.

9 LIMITATION AND LIABILITY.

9.1 The Owner's total liability under this Agreement shall be limited to the amount set forth in the Finance Director's certificate accompanying this Agreement. Under no circumstances shall the elected officials, officers, employees, council members, or agents of the Owner be personally liable for any obligations or claims arising out of or related to this Agreement.

10 PAYMENT

10.1 APPLICATIONS FOR PAYMENT. Payment applications shall be submitted on a monthly basis and shall reflect the amount of work completed as of the date the application for payment is submitted. On or before Completion, the Contractor shall submit to the Owner, an itemized payment application for such period in the following format and with one copy of the following documentation: 1) Invoice for work performed and materials and equipment provided for the previous pay period; 2) Current list of the Contractor's Subcontractors and suppliers showing their respective contract sums, amount paid, and amount due; 3) Contractor's Affidavit of Release of Liens with and lien releases in the format provided by the Owner for all the Contractor's Subcontractors and suppliers current through the date of the Contractor's previous Application for Payment; 4) Such other supplemental information as the Owner may require. Such other information may include a schedule of all materials and equipment stored on site.

10.2 The Owner may withhold payment in whole or in part, and may demand that the Contractor refund amounts previously paid, to protect the Owner from loss because of: 1) The Contractor's default or failure to perform any of its obligations under the Contract Documents, including but not limited to: failure to provide sufficient skilled workers; Work, including equipment or materials, which is defective or otherwise does not conform to the Contract Documents; failure to conform to the Project Time Schedule; and failure to follow the directions of or instructions from the Owner; 2) The Contractor's default or failure to perform any of its obligations under another contract that it has with the Owner; 3) The filing of third party claims, or reasonable evidence that third party claims have been or will be filed; 4) The Work has not proceeded to the extent set forth in the application for payment; 5) Any representations made by the Contractor are untrue; 6) The failure of the Contractor to make payments to its Subcontractors; 7) Damage to the Owner's property or the property of another person or laborer; 8) The determination that there is a substantial possibility that the Work cannot be completed for the unpaid balance of the Contract Sum; and/or 9) Liens filed or reasonable evidence indicating the probable filing of such liens.

10.3 The Owner will pay the Contractor within 30 days after receipt of the Contractor's payment application, provided that the payment application has been properly submitted on a timely basis and is accompanied by all of the required documentation. The Owner may establish a cut-off date for the submission of the payment application.

11 RETAINAGE.

11.1 AMOUNT OF PAYMENTS. Subject to Paragraph 8.1, the amount of the payments to the Contractor shall be determined in accordance with the following paragraphs:

11.2 PAYMENTS. Payments under the contract shall be made at the rate of 95% of the amount set forth in the Contractor's payment application and approved by the Owner until the Work is 50% complete. When more than fifty percent (50%) of the Work has been completed, the amount retained may be reduced at the City's sole discretion. The Engineer may also, at any time, increase retainage by any amount needed to protect the City's interests with respect to any incomplete, defective or unsatisfactory Work; costs or damages incurred by the City that are subject to the Contractor's indemnification obligations; or back charges that the City may assess against the Contractor.

11.3 DOCUMENTATION. Upon request, the Contractor immediately shall supply the Owner with such information as may be requested so as to verify the amounts due to the Contractor, including but not limited to original invoices for materials and equipment and documents showing that the Contractor has paid for such materials and equipment, and so as to verify that amounts due laborers, subcontractors, and materialmen have been paid to them.

11.4 FINAL PAYMENT.

11.4.1 The final application for payment shall be itemized, and the Contractor shall ensure that the final application for payment shall contain one (1) copy of each of the following documents, if not previously delivered to the Owner: 1) All items from Paragraph 10.1; 2) Consent of the Contractor's Surety to Payment; 3) An assignment to the Owner of all warranties obtained or obtainable by the Contractor from manufacturers and suppliers of equipment and materials incorporated into the Work by written instrument of assignment in a form acceptable to the Owner; and 4) Such other documentation as required by the Contract Documents, the Owner, or applicable law.

11.4.2 The making of Final Payment by the Owner shall not constitute a waiver of Claims by the Owner for the following: 1) Liens, Claims, security interests, or encumbrances arising out of the Contract Documents that are unsettled; 2) Failure of the Work to comply with the requirements of the Contract Documents; 3) Terms of special warranties required by the Contract Documents; 4) Claims for Indemnification; 5) Claims about which the Owner has given the Contractor written notice; or 6) Claims arising after Final Payment.

11.5 ESCROW ACCOUNT. The Owner and the Contractor agree that no escrow account shall be required in connection with this Agreement and that retained funds will not earn interest.

12 CHANGE ORDERS.

12.1 A Change Order is a written instrument signed by the Owner and the Contractor stating their agreement upon a change in the Work, the amount of the adjustment or the method for computing the amount of the adjustment of the Contract Sum, if any, and the extent of the adjustment in the Project Time Schedule, if any.

13 GENERAL.

13.1 MODIFICATION. No modification or waiver of any of the terms of this Agreement or of any other Contract Documents shall be effective against a party unless set forth in writing and signed by or on behalf of a party, which in the case of the Owner shall require the signature of the Owner's Representative acting under the authority of a specific resolution of the Owner. Under no circumstances shall forbearance, including the failure or repeated failure to insist upon compliance with the terms of the Contract Documents, constitute the waiver or modification of any such terms. The parties acknowledge that no person has authority to modify this Agreement or the other Contract Documents or to waive any of its or their terms, except as expressly provided in this Paragraph.

13.2 ASSIGNMENT. The Contractor may not assign this Agreement without the written consent of the Owner, which the Owner may withhold in its sole discretion.

13.3 THIRD PARTIES. Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either the Owner or the Contractor.

13.4 LAW AND JURISDICTION. All questions regarding the validity, intention, or meaning of this Agreement or any modifications of it relating to the rights and obligations of the parties shall be construed and resolved under the laws of the State of Ohio. Any suit, which may be brought to enforce any provision of this Agreement or any remedy with respect hereto, shall be brought in the Common Pleas Court of Franklin and Delaware County, Ohio, and each party hereby expressly consents to the jurisdiction of such court.

13.5 STATUTE OF LIMITATIONS. Regardless of any provision to the contrary, the statute of limitations with respect to any defective or non-conforming Work that is not discovered by the Owner shall not commence until the discovery of such defective or non-conforming Work by the Owner.

13.6 NOTICES. Notices, requests, or demands by either party shall be in writing, unless otherwise expressly authorized, and shall be personally served, forwarded by expedited messenger service, sent by facsimile transmission, or be given by registered or certified mail, return receipt requested, postage prepaid, and, in the case of the Owner, addressed to the address/FAX number set forth at the beginning of this Agreement marked "Urgent, deliver to Owner's Representative/Designee," and, in the case of the Contractor, addressed to its address/FAX number set forth at the beginning of this Agreement. Any party may change its address/FAX number by giving notice hereunder. All notices, requests, and demands shall be deemed received upon receipt in the case of personal delivery or delivery by expedited messenger service, including leaving the notice at the address provided herein during normal business hours; upon the expiration of forty-eight (48) hours from the time of deposit in the United States mail; or, in the case of a notice given by facsimile transmission, upon the expiration of twenty-four (24) hours after the transmission is sent.

13.7 CONSTRUCTION. The parties acknowledge that each party has reviewed this Agreement and the other Contract Documents and has voluntarily entered into this Agreement. Accordingly, the normal rule of construction to the effect that any ambiguities are to be resolved against the drafting party shall not be employed in the interpretation of this Agreement, the other Contract Documents, or any amendments or exhibits to it or them.

13.8 APPROVALS. Except as expressly provided herein, the approvals and determinations of the Owner shall be subject to the sole discretion of the Owner and will be valid and binding on the Contractor, provided only that they be made in good faith, i.e., honestly. If the Contractor challenges

any such approval or determination, the Contractor shall have the burden of proving by clear and convincing evidence that it was not made in good faith.

13.9 PARTIAL INVALIDITY. If any term or provision of this Agreement is found to be illegal, unenforceable, or in violation of any laws, statutes, ordinances, or regulations of any public authority having jurisdiction, then, notwithstanding such term or provision, this Agreement shall remain in full force and effect, and such term shall be deemed stricken; provided this Agreement shall be interpreted, when possible, so as to reflect the intentions of the parties as indicated by any such stricken term or provision.

13.10 COMPLIANCE WITH LAWS AND REGULATIONS. The Contractor, at its expense, shall comply with all applicable federal, state, and local laws, rules, and regulations applicable to the Work. Including, but not limited to Ohio's Prevailing Wage law if applicable.

13.11 PROJECT SAFETY. The Contractor shall follow all applicable safety and health regulations during the progress of the Project and shall monitor all of its employees and its subcontractors for compliance with such safety and health regulations. In undertaking the responsibilities set forth in this Paragraph, the Contractor does not assume any duty or responsibility to the employees of any Subcontractor or supplier, regardless of tier. The Owner assumes no responsibility for the development, review, or implementation of any project safety plan or for Project safety and has no authority to direct the means and methods of the Contractor.

13.12 EQUAL OPPORTUNITY. Contractor agrees that, in the hiring of employees for the performance of work under the Contract or any subcontract, no contractor, subcontractor, or any person acting on a contractor's or subcontractor's behalf, by reason of race, creed, sex, disability or military status as defined in section 4112.01 of the Revised Code, or color, shall discriminate against any citizen of the state in the employment of labor or workers who is qualified and available to perform the work to which the employment relates. Contractor further agrees that neither it, its subcontractors, or any person on the Contractor's or subcontractor's behalf, in any manner, shall discriminate against or intimidate any employee hired for the performance of work under the contract on account of race, creed, sex, disability or military status as defined in section 4112.01 of the Revised Code, or color. That there shall be deducted from the amount payable to the Contractor by the Owner under this Agreement a forfeiture of twenty-five dollars ($25.00) as required by O.R.C. Section 153.60 for each person who is discriminated against or intimidated in violation of this Agreement. That this Agreement may be canceled or terminated by the Owner and all money to become due hereunder may be forfeited for a second or subsequent violation of the terms of this section of this Agreement.

13.13 USE OF OWNER'S FACILITIES. The Contractor shall ensure that neither its employees, nor its Subcontractor's or material supplier's employees, regardless of tier, do any of the following without the express prior written consent of the Owner: use the Owner's cafeteria, rest rooms, or phones; use or bring any alcoholic beverages, controlled substances, or firearms on any property owned by the Owner. The Owner will not tolerate any such actions and any such action observed or made known to the Owner shall be dealt with severely.

13.14 ETHICS. By signing and entering into this agreement with the Owner, the Contractor represents that it is familiar with all applicable ethics law requirements, including without limitation Sections 102.04 and 3517.13 of the O.R.C., and certifies that it is in compliance with such requirements. The Contractor understands that failure to comply with the ethics laws is, in itself, grounds for termination of this contract and may result in the loss of other contracts with the Owner.

13.15 PROPERTY TAX AFFIDAVIT. The Contractor's affidavit given under ORC Section 5719.024 is incorporated herein.

13.16 ENTIRE AGREEMENT. This Agreement and the other Contract Documents constitute the entire agreement among the parties with respect to their subject matter and will supersede all prior and contemporaneous, oral or written, agreements, negotiations, communications, representations, and understandings with respect to such subject matter, and no person is justified in relying on such agreements, negotiations, communications, representations, or understandings.

CITY OF DUBLIN, OHIO

By: _____ By: _____

Its: _____ Its: _____

Date: _____ Date: _____

APPROVED AS TO FORM:

_____ Date: _____

CITY OF DUBLIN, CITY ATTORNEY

CERTIFICATE OF AVAILABILITY OF FUNDS

I Angel Mumma, hereby certify that I am the fiscal officer for the CITY OF DUBLIN, OHIO and that the amount of money to wit $ required to meet the cost of the attached Contract between the City and has been or will be, before the ordering of any materials, lawfully appropriated for the purpose of said Contract and the money so appropriated is on deposit or in process of collection to the credit of the appropriate fund free from any previous encumbrances. Moneys due in excess of the Contract Sum and any Contingency amount assigned thereto shall require an additional and separate Fiscal Officer's Statement of Availability which shall not be given unless the Contract adjustment is directly attributable to one of the express methods for increasing the Contract Sum under the Contract Documents; and, such process is completed in the manner required by the Contract Documents.

_____ _____

Date Angel L. Mumma, Finance Director

B. CITY OF DUBLIN GENERAL CONDITIONS DIVISION 100

City of Dublin Division of Engineering General Condition Division 100 can always be found at:

http://dublinohiousa.gov/dev/dev/wp-content/uploads/2013/02/City-of-Dublin-General-Conditions-Section-100.pdf

If you purchase a hard copy of the project documents the General Condition Division 100 will be on the CD included in the Bid Document. The General Condition Division 100 will also be posted with the project on the City of Dublin's website where the project documents are available for download.

C. SUPPLEMENTAL GENERAL CONDITIONS

THERE ARE NO SUPPLEMENTAL GENERAL CONDITIONS FOR THE CITY OF DUBLIN, 2015 SANITARY SEWER MANHOLE REHABILITATION

D. SUPPLEMENTAL SPECIFICATIONS

SUPPLEMENTAL SPECIFICATIONS

GENERAL

CONTRACT SPECIFICATIONS

All contract specifications in this section are to be considered a part thereof.

CITY OF COLUMBUS

City of Columbus and Ohio Department of Transportation Construction and Material Specifications, current edition, and any supplements thereto, shall govern all construction items unless otherwise noted.

RESPONSIBLE PARTIES

The term OWNER in this specification shall mean the City of Dublin, Ohio, 5200 Emerald Parkway, Dublin, Ohio, 43016.

The term PROJECT ENGINEER in this specification shall mean Mr. Todd Garwick, PE, City of Dublin, 5800 Shier Rings Road, Dublin, Ohio 43016, Ph: 614 410-4665, Fax: 614 410-4699, E-mail: tgarwick@dublin.oh.us.

The term CITY ENGINEER in this specification shall mean Mr. Paul Hammersmith, PE, Director of Engineering/ City Engineer, City of Dublin, 5800 Shier Rings Road, Dublin, Ohio 43016, Ph: 614 410-4617, Fax: 614 410-4699, E-mail: phammersmith@dublin.oh.us.

The term INSPECTOR in this specification shall mean City of Dublin Representative (TBD) Engineering Project Inspector, City of Dublin, 5800 Shier Rings Road, Dublin, Ohio 43016, Ph: 614 410-4600, Fax: 614 410-4699, E-mail: blank@dublin.oh.us.

The term INDEPENDENT REPRESENTATIVE in this specification shall mean DLZ, Inc., 6121 Huntley Road, Columbus, Ohio 43229 or another designated representative by the OWNER.

NOTICE TO PROCEED

Dublin City Council will give formal approval for Paul Hammersmith, P.E., Director of Engineering/City Engineer to enter into a contract on **October 26, 2015.** The Succesfull Bidder will be given a Notice To Proceed on or after **October 27, 2015** from The City of Dublin. These dates are subject to change.

PRE-CONSTRUCTION MEETING

The General Contractor and appropriate Sub-Contractors shall attend the pre-construction meeting on **November 5, 2015 @ 2 p.m.** at City of Dublin Engineering, 5800 Shier Rings Road, Dublin, OH, 43016, 2nd Floor General Meeting Room. **All submittals will be presented at this time.**

PROGRESS MEETINGS

The General Contractor and appropriate Sub-Contractors along with OWNER, PROJECT ENGINEER, INSPECTOR shall attend a monthly progress meeting as established at the Pre-Construction Meeting.

SUBMITTALS

A Separate Cover Sheet such as the form bound in these Specifications, including the Item Number, the Specification Section of reference for each submittal, and a brief description of each submittal included, shall be provided by the CONTRACTOR for each separate item submitted. Review of these submittals shall not relieve the CONTRACTOR from responsibility for compliance with the specifications. The CONTRACTOR shall incorporate the submittal review process time and make the necessary scheduling adjustments so that completion of the work within the Contract Time is not affected. See the following Supplemental Specifications for all requirements for submittals:

Section SS-7, Cementitious Grouting
Section SS-10, Cementitious Manhole Rehabilitation

BUILDING PERMIT

The Contractor is not required to obtain a "Building Permit" for the rehabilitation of the sanitary sewer manholes related to this project. However, the Contractor and all Sub-Contractors shall be registered contractors with the City of Dublin. The Contractor and all Sub-Contractors can register at City of Dublin, Building Department, 5800 Shier Rings Road, Dublin, Ohio, 43016.

WORKING HOURS

The Contractor is permitted to work between 7:00 A.M. and 7:00 P.M., Monday through Saturday. Permission to work on Sunday and holidays must be requested in writing and approved by the City Engineer.

SPECIAL EVENTS

The Contractor shall pay special attention to The Memorial Golf Tournament scheduled for May 27, 2016 thru June 2, 2016 at The Muirfield Village Golf Club. **The General Contractor and all sub-contractors will not perform any work from May 27, 2016 (Friday) thru June 5, 2016 (Sunday).** Link is provided for reference: http://thememorialtournament.com/. The Contractor shall properly secure the construction sites during this event.

MAINTENANCE OF TRAFFIC

Traffic control shall be furnished, erected, maintained and removed by the Contractor according to the Ohio Manual of Uniform Traffic Control Devices (OMUTCD), current edition.

All traffic lanes of public roadways shall be fully open to traffic from 7:00 a.m. to 9:00 a.m. and from 4:00 p.m. to 6:00 p.m. unless authorized differently by the CITY ENGINEER. At all other hours the Contractor shall maintain minimum one-lane, two-way traffic. Uniformed, off-duty police officers shall replace flagmen designated by the OMUTCD, and shall be present whenever one-lane, two-way traffic control is in effect. Police cruisers may be required as directed by the CITY ENGINEER.

If the CITY ENGINEER determines that the Contractor is not providing proper provisions for traffic control the CITY ENGINEER shall assign uniformed, off-duty police officers to the project at no cost to the City.

Steady-burning, Type "C" lights shall be required on all barricades, drums, and similar traffic control devices in use at night.

Access from public roadways to all adjoining properties for existing residents or businesses shall be maintained throughout the duration of the project for mail, public water and sanitary sewer service, and emergency vehicles. The Contractor shall provide a traffic control plan detailing the proposed maintenance of traffic procedures. The traffic control plan proposed by the Contractor must be approved by the CITY ENGINEER prior to construction.

STAGING AREA

The Contractor shall coordinate the location of the staging area with The City of Dublin at the pre-construction meeting. All areas disturbed shall be fully restored to their original conditions or better to the satisfaction of the City of Dublin. The contractor at his expense shall perform all restoration.

GEOTECHNICAL INFORMATION

No subsurface exploration report was performed as a part of this Contract.

INSPECTION

The term INSPECTOR in this specification shall mean City of Dublin Representative (TBD) Engineering Project Inspector, City of Dublin, 5800 Shier Rings Road, Dublin, Ohio 43016, Ph: 614 410-4600, Fax: 614 410-4699, E-mail: blank@dublin.oh.us.

The City will hire and pay for an INDEPENDENT REPRESENTATIVE to perform testing on the samples provided with this project. The Independent Representative in this specification shall mean DLZ, Inc., 6121 Huntley Road, Columbus, Ohio 43229 or another designated representative by the OWNER.

ACCESSIBILITY FOR OBSERVATION

All work shall be made accessible to the INDEPENDENT REPRESENTATIVE and/or INSPECTOR using the CONTRACTOR'S rigging and equipment. If assistance is required for the INDEPENDENT REPRESENTATIVE and/or INSPECTOR to safely access the work, the CONTRACTOR shall furnish labor to assist the INDEPENDENT REPRESENTATIVE and/or INSPECTOR. The cost of this labor shall be included in the Total Base Bid.

COORDINATION

Contractor shall coordinate his work to facilitate work by others in the project area and outside of the construction work limits. Contractor shall review and familiarize his staff with the plans in coordination with this project. Contractor shall coordinate work to facilitate work by AEP, AT&T, Time Warner Cable, Wide Open West, City of Columbus – Division of Sewerage and Drainage, Village of Shawnee Hills, Ohio Edison, Columbia Gas of Ohio, Delaware County Regional Sewer District and others not listed.

PROPOSAL

No extra compensation will be paid to the Contractor by reason of compliance with any of the requirements indicated in the Specifications, but payment shall be deemed to be included among the several items, as bid upon, unless otherwise specifically provided.

SCHEDULE

The Contractor shall submit a bar chart or progress schedule to the City Engineer at the time of the pre-construction meeting. This schedule will detail the timing of the work activities for the various sections of the project. The project completion date is set for **June 1, 2016**.

COORDINATING WITH UTILITIES

It is the Contractor's responsibility to coordinate their work with the private utilities as required. The utility owner may be required to brace, temporarily support, or relocate their respective utilities so that the manholes can be rehabilitated.

SITE SECURITY

When not working on the manholes or site (such as during evening, weekends, special events, holidays, or rain days), the CONTRACTOR shall secure all openings around the manholes. The CONTRACTOR shall be solely responsible for the security of the site, equipment, and supplies during both working and non-working hours.

WATER SUPPLY

Water for the purpose of this contract must be obtained by the CONTRACTOR through the direct local arrangements with the PROJECT ENGINEER and/or INSPECTOR. The CONTRACTOR shall furnish and supply all necessary temporary piping and valves in connection with such water supply. Water shall be furnished from the OWNER at no cost to the CONTRACTOR as

long as the amount of water used remains within reason. All connections to the public water supply system shall contain a back-flow prevention device approved by the INSPECTOR.

ITEM 203 EXCAVATION
ITEM 203 EMBANKMENT

All excavation shall be considered as unclassified, including rock.

STORAGE OF EQUIPMENT AND MATERIALS

No materials, including pipe, shall be stored within twenty (20) feet of any intersecting street, parking lot or driveway. During non-working hours, storage of equipment shall comply with these same requirements and shall not in any way relieve the Contractor of their legal responsibilities or liabilities for the safety of the public.

CONSTRUCTION NOISE

Any devise shall not be operated at any time in such a manner that the noise created substantially exceeds the noise customarily and necessarily attendant to the reasonable and efficient performance of such equipment.

SANITARY FACILITIES

The CONTRACTOR shall, at the beginning of the work, provide on the premises suitable temporary sanitary toilet, wash-up, decontamination facilities, and changing facilities for the use of workers and shall maintain same in a sanitary condition and remove same when directed by the OWNER. The cost of these sanitary facilities shall be included in the **Total Base Bid**. The CONTRACTOR is advised that the OWNER is in the business of providing potable water and the CONTRACTOR'S sanitary arrangements shall not endanger the OWNER'S facilities.

SECTION SS-7

CEMENTITIOUS GROUTING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

Plans, videotapes and logs and general provisions of the Contract, including Section 100, General Provisions of the City of Dublin Construction and Material Specifications (CMS) apply to this work.

1.2 DESCRIPTION OF WORK

The Contractor shall provide all labor, materials, and equipment necessary to perform repairs as specified within or as designated by the Engineer. Use of this material is contingent upon approval of the Engineer.

1.3 QUALITY ASSURANCE

A. Codes.
Perform all work in compliance with the most recent federal, state, and local codes.

B. Standards.
All work shall be in compliance with the National Association of Sewer Service Companies (NASSCO).

C. Contractor's Qualifications.
The pressure grouting Contractor shall be a firm having a minimum of 5 years continuous successful experience in pressure grouting similar to that required for this Project.

1.4 SUBMITTALS

Furnish the grout manufacturer's product data, test reports, point repair installation instructions, materials certifications, preparatory work and a list of at least three references for point repairs similar in scope to that required for this project.

1.5 DELIVERY, STORAGE, AND HANDLING

Cement shall be stored in weather tight enclosures to protect against moisture and contamination.

PART 2 - EXECUTION

2.1 GENERAL

Not Used.

2.2 MATERIALS

A. Portland cement shall conform to CMS 701.01.

B. Sand shall conform to CMS 703.03.

C. Water shall be potable.

2.3 EQUIPMENT

If pumping, the grout pump shall be of the positive displacement type and shall be capable of producing adequate pressure to penetrate the area and depth required. The Contractor shall furnish gauges to monitor working pressure.

2.4 COORDINATION

Cementitious grouting shall be performed only as needed and approved by the Engineer.

PART 3 – EXECUTION

3.1 GENERAL

Grouting operations shall be performed under low-pressure conditions and the ground surface above the grouting operations monitored to verify grout is not heaving or surfacing through the cracks or joints in the street.

3.2 BATCHING AND MIXING

The grout mixture shall be proportioned generally in the ratio of one 94 lb. bag of Portland cement to 7.5 gallons (1 cubic foot) of water. This mix can be adjusted by varying the water-cement ratio as grouting proceeds to ensure adequate penetration behind the structure wall, but at no time shall the water-cement ratio of the grout mixture exceed 0.80. All changes in grout mix design must be approved by the Project Engineer prior to use. Grout yield shall be 1.48 cf/bag unless noted.

3.3 PLACEMENT

A. Preparatory Work
The Contractor shall take necessary steps to ensure that the areas designated for repair are suitable and prepared for cementitious grouting prior to commencement of work.

B. Quantity

In order to control the quantity of material placed, pressured grouting shall be accomplished in multiple stages. Grout placed in each stage must not exceed 10 bags of cement per void detected. A 12-hour minimum time interval shall elapse between successive stages. Voids shall be resounded and probed after each stage. Only those areas still indicating void spaces behind the manhole wall will be regrouted.

C. Adjacent Facilities

The Contractor shall take precautions to prevent grout from entering lateral sewers, ductbanks, conduits, or other adjacent structures, and shall monitor working pressures to avoid damage or displacement of the sewer, adjacent structures, or the ground surface. The Contractor shall be responsible for the cost of replacement, repair, or cleanup of utilities or structures adversely affected by grouting procedures.

D. Grouting Pressure

The machine used for grouting shall be capable of providing a pressure up to 75 pounds per square inch (psi) in excess of any external water pressure. The Contractor shall provide gauges to monitor the working pressures during grouting operations, with a gauge recommended at the injection site on the structure. The pressure shall not exceed that which would distort the structure wall, damage or fill adjacent utilities, lift or displace the overburden.

E. Pavement Upheaval

The Contractor shall replace any pavement in like and kind that is upheaved by pressure grout injection at no additional cost to the City.

3.5 CLEAN UP

The Contractor is responsible for containing and removing all excess grout from the sewer and project area. In no case will the Contractor be allowed to flush excess grout from his/her equipment into the sewer or downstream to adjacent facilities.

3.6 MEASUREMENT AND PAYMENT

A. General

This item of work shall include all grout, preparatory work, clean up, and appurtenant work necessary to complete Cementitious Grouting as required.

B. Payment

The payment for this work shall be made at the agreed price per each cementitious manhole rehabilitation, following completion and acceptance.

END OF SECTION

SECTION SS-10

MANHOLE REHABILITATION

PART 1 – GENERAL

1.01 SUMMARY

A. The Contractor shall provide all labor, materials, operation, and equipment necessary to rehabilitate manholes in accordance with the plans, as specified within, or as designated by the Engineer. This item shall include all structural restoration; elimination of inflow and/or infiltration; manhole step replacement; base and channel repair; excavation; removal and disposal of all excess materials; restoration; backfill; permanent and temporary pavement replacement; clearing and grubbing; resetting, replacing, and/or raising casting to grade; and dewatering required for manhole rehabilitation.

Refer to standard drawings MR-1 for specific information on manhole rehabilitation and reconstruction as listed herein. All existing frames and covers shall be removed and replaced as needed or directed by Engineer.

B. Related Sections:

1. SS-7, Cementitious Grouting

1.02 REFERENCES

A. Reference Standards: Comply with applicable provisions and recommendations of the following, except as otherwise shown or specified:

1. ASTM C109/C109M, Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)

2. ASTM C293, Standard Test Method for Flexural Strength of Concrete (Using Simple Beam with Center-Point Loading)

3. ASTM C321, Standard Test Method for Bond Strength of Chemical-Resistant Mortars

4. ASTM D412, Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers—Tension

5. ASTM C478, Standard Specification for Precast Reinforced Concrete Manhole Sections

6. ASTM C494/C494M, Standard Specification for Chemical Admixtures for Concrete

7. ASTM C496/C496M, Standard Test Method for Splitting Tensile Strength of Cylindrical Concrete Specimens

8. ASTM C596, Standard Test Method for Drying Shrinkage of Mortar Containing Hydraulic Cement

9. ASTM D624, Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers

10. ASTM D638, Standard Test Methods for Tensile Properties of Plastic

11. ASTM D695, Standard Test Method for Compressive Properties of Rigid Plastic

12. ASTM C780, Standard Test Method for Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry

13. ASTM D790, Standard Test Method for Flexural Properties of Unreinforced/Reinforced Plastics

14. ASTM C882/C882M, Standard Test Method for Bond Strength of Epoxy-Resin Systems Used With Concrete by Slant Shear

15. ASTM C1244/C1244M, Standard Test Method for Concrete Sewer Manholes by the Negative Air Pressure (Vacuum) Test Prior to Backfill

16. ASTM D2240, Standard Test Method for Rubber and Durometer Hardness

17. ASTM F2414, Standard Practice for Sealing Sewer Manholes Using Chemical Grouting

18. ASTM F2551-09, Standard Practice for Installing a Protective Cementitious Liner System in Sanitary Sewer Manholes

19. ASTM D2240, Standard Test Method for Rubber Property – Durometer Hardness

20. ASTM 4541, Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers

21. City of Dublin Standard Drawing MR-1.

B. Manufacturer's Recommendations

1.03 DEFINITIONS (Not Used)
1.04 SYSTEM DESCRIPTION (Not Used)

1.05 SUBMITTALS

The following submittals (A-D) shall be made at the pre-construction meeting:

A. **Contractor Qualifications.** The Contractor shall submit a copy of the manufacturer's licensee certificate. If the Contractor is not licensed by the manufacturer, then a manufacturer's representative will be on-site. Contractor shall also submit a list of ten (10) similar regional projects completed within the last three (3) years including information such as number of manholes on project, manhole construction type, date completed, and project cost.

B. **Material Certifications.** The Contractor shall furnish the manufacturer's product data, installation instructions, applicable referenced work standards (American Society for Testing and Materials [ASTM], American Concrete Institute [ACI], etc.), approved laboratory test reports that verify strength requirements of this specification, and materials certification for each product used prior to material installation.

C. **Material Safety Data Sheets.** The Contractor shall submit Material Safety Data Sheets (MSDS) for all materials used for manhole rehabilitation.

D. **Application Methods and Equipment.** The Contractor shall submit a written description of the material application methods including the equipment that will be used.

N/A E. **Polymer Manhole Liner Thickness Calculations.** The Contractor shall submit their design calculations for the required thickness of the polymer coating based on the manhole depth and water table level.

1.06 QUALITY ASSURANCE

A. **Contractor's Qualifications.**

1. The manhole rehabilitation Contractor shall be a firm having a minimum of 3 years continuous successful experience in the rehabilitation of manholes similar to that required for this Project.

2. The manhole lining Contractor shall be certified/trained by the lining material manufacturer to install their manhole liner if the material requires a certified applicator. The City reserves the right to require an on-site manufacturer's representative, knowledgeable in the use and application of the material, for a minimum of two (2) working hours for each supplied material. The material representative shall direct and instruct the Contractor and inspector on the proper application procedure.

3. The flexible chimney seal installer shall be certified/trained by the material manufacturer to install their product if the material requires a certified applicator. The City reserves the right to require an on-site manufacturer's representative, knowledgeable in the use and installation/application of the material, for a minimum of two (2) working hours for each supplied material. The material representative shall direct and instruct the Contractor and inspector on the proper installation/application procedure.

4. All contractors conducting work on public utilities within the City of Dublin must be certified/licensed with the City. To obtain a license/certification contact:

   City of Dublin
   Department of Development
   5800 Shier Rings Road
   Dublin, Ohio 43016
   http://dublinohiousa.gov/building-standards/contractor-registration/

1.07 DELIVERY, STORAGE AND HANDLING

A. Cementitious materials shall be stored in weather tight, original packaging to protect against moisture and contamination.

B. Polymer manhole lining materials shall be stored in unmixed containers in a sheltered area between 50 degrees and 95 degrees.

1.08 PROJECT/SITE CONDITIONS

A. Do not work in the presence of excessive amounts of water. Bypass pumping is not anticipated with this project.

B. Contractor shall use caution when working in sewers. During rain events, sewers may reach capacity quickly and/or head up.

C. All work to be completed in conformance with all applicable safety standards, in particular OSHA Standard 29CFR1910.146, Permit Required Confined Space Entry.

1.09 SEQUENCING (Not Used)
1.10 SCHEDULING (Not Used)

1.11 WARRANTY

A. Provide manufacturer's standard written guarantees and warranties dated from time of Substantial Completion.

1.12 SYSTEM STARTUP (Not Used)
1.13 INSTRUCTION OF OWNER'S PERSONNEL (Not Used)
1.14 COMMISSIONING (Not Used)
1.15 MAINTENANCE (Not Used)

PART 2 – PRODUCTS

2.01 MANUFACTURERS

A. Cementitious Manhole Liner w/ Corrosion Resistance:

1. Standard Cements – Maximum CA
2. Standard Cements – Reliner MSP
3. BASF – EMACO S88-CI
4. Milliken – GeoSpray

B. Polymer Manhole Liner:

1. SprayRoq Protective Lining Systems – SprayWall

C. Flexible Chimney Seal:

1. Cretex Specialty Products – Internal Chimney Seal
2. NPC – FlexRib Frame Chimney Seals
3. Sealing Systems Inc. – Flex-Seal Utility Sealant.

D. Manhole Casting Riser Ring:

1. American Highway Products – Stainless Steel Manhole Riser

2.02 EXISTING EQUIPMENT

A. The Contractor shall notify Todd Garwick at (614) 410-4665, 48 hours in advance to coordinate the removal or relocation of any existing flow monitor. The Contractor shall provide the location and manhole structure number.

2.03 MATERIALS

Materials shall meet the following standards, CMSC specifications, or minimum strength requirements:

A. **Grout.** Portland cement shall conform to CMSC 701.02; Sand shall conform to CMSC 703.03.

B. **Manhole Steps**. Steps shall be reinforced polypropylene in accordance with CMSC 711.31.

C. **Brick.** Brick used in sanitary structures shall be clay or shale brick and conform to CMSC 704.01.

D. **Cast in Place Concrete.** Cast in place concrete shall be class “C” with a 28-day compressive strength of 4000 psi and conform to CMSC 499.

E. **Reinforcing Steel.** Reinforcing steel shall be Grade 60 and in accordance with CMSC 509.

F. **Mortar.** Cement shall conform to CMSC 701.01 through 701.07; Lime shall conform to CMSC 712.04; Sand shall conform to CMSC 703.03.

G. **Water.** Water shall be potable.

2.04 MANUFACTURED UNITS

A. **Manhole Frames and Covers.** Standard manhole frames and covers shall meet the requirements of Standard Drawing AA-S111 and SA-01 . 36”castings shall be in accordance with Standard Drawing AA-S114 and

shall contain a self-sealing gasket and concealed lift hole. Vent holes in any sanitary sewer cover will not be permitted.

B. **Manhole Grade Rings.** Manhole grade rings shall conform to ASTM C-478 and Standard Drawing AA-S107.

C. **Precast Manhole Sections.** Precast manhole sections shall be in accordance with ASTM C-478.

2.05 EQUIPMENT

A. Equipment shall be as recommended by the manufacturer to ensure proper mixing and pumping and shall be clean and in good working order according to the recommendations for safe operation.

2.06	COMPONENTS	(Not Used)
2.07	ACCESSORIES	(Not Used)
2.08	MIXES	(Not Used)
2.09	FABRICATION	(Not Used)
2.10	FINISHES	(Not Used)

2.11 SOURCE QUALITY CONTROL

A. All prepackaged manhole lining materials shall have the date of manufacture clearly marked on the package and be unmixed. All material manufacture dates must be within the manufacturer's recommended limits for installation.

B. All manhole frame and covers shall be dated within 1 year of the installation date.

PART 3 – EXECUTION

3.01 ACCEPTABLE INSTALLERS (Not Used)

3.02 EXAMINATION

A. The Contractor is to conduct QA on all materials delivered to the site to ensure that all items meet the required standards stated herein. All materials that do not meet the required standards shall be removed from the jobsite.

3.03 PREPARATION

A. **City of Dublin Notification.** When private property, wherein an easement exists, must be crossed to access a manhole, the City of Dublin shall distribute to the property owner a flier notifying them of the upcoming sanitary sewer manhole rehabilitation work. The flier shall briefly describe

the extent of work, contractor performing the work, and generally that the work will occur within the next couple of weeks. Necessary tree removal shall be included in the unit bid price for under bid item SS-10, Cementitious Manhole Rehabilitation.

B. **Notification.** The Contractor shall notify, in writing, all adjacent landowners a minimum of one week in advance of work near their property.

C. **Debris Dam.** The Contractor shall place a device in the manhole to catch any debris that may be displaced into the manhole during the performance of the work. Work shall not proceed until this device is in place.

D. **Steps.** All steps shall remain in place from those manholes receiving lining.

E. **Cleaning.** Prior to any repair work inside the manhole, all interior wall and invert surfaces shall be cleaned and free of any loose material utilizing the following methods.

1. Power washing. Equipment shall be capable of producing a minimum of 5,000 pounds per square inch (psi) water blast to remove all foreign matter, loose mortar, grease, oil residues, rust, scale and to etch the surfaces.

   a. All surfaces **must be** dry before the application of the polymer lining material.

2. Chipping. If large deposits exist or power washing cannot remove all deposits, then the contractor shall remove the deposits by chipping. The contractor shall also remove all loose, broken or softened concrete/bricks to sound material. Any voids left by chipping procedures in manhole walls or invert surfaces shall be repaired in accordance with section 3.06.A.3.

3. Muriatic Acid. If the power washing and/or chipping cannot be utilized due to structural conditions in the manhole or they do not remove all deposits, then a solution of muriatic acid (hydrochloric acid) shall be applied at a ratio of one part acid to ten parts water by spraying from above the manhole. **The use of acid for cleaning purposes, no matter how diluted, is not permitted for polymer lining.** After the acid solution is applied, it shall be

washed off completely. The mixing, application, and removal of the acid solution shall be done in strict accordance with the manufacturer's specifications and safety procedures.

N/A 4. Steel Surfaces. Solvent cleaning will be necessary for steel surfaces to be coated with the polymer lining material. When applicable the steel surfaces may also be cleaned utilizing high (> 5,000 psi) or ultra high (> 10,000 psi) water pressure cleaning or water with sand injection and approved rust inhibitors. The surface profile must be a minimum of 2 mils.

N/A 5. Fiberglass Surfaces. Only the polymer lining material is intended for use on fiberglass surfaces. Prepare fiberglass by rinsing, neutralizing, scarifying and cleaning with water or a mixture of water and solvent. Be sure all dust and loose particles are removed. The surface should be thoroughly dry before the application of the polymer material.

F. **Waste Removal.** All waste materials resulting from the cleaning operation shall be removed from the manhole or site and be properly disposed of by the Contractor.

3.04 ERECTION (Not Used)
3.05 INSTALLATION (Not Used)

3.06 APPLICATION

A. **Manhole Lining**

1. **Inspection.** The manhole walls shall be visually examined, sounded and/or probed to identify any infiltration points and any internal or external void areas prior to any material being applied to the walls.

2. **Stopping Infiltration.** Light infiltration into the manhole shall be stopped using a water plug material approved per the manhole liner manufacturer. If heavy infiltration is encountered, the Contractor may drill up to four 5/8-inch diameter holes around the base of the manhole to act as relief ports, allowing the water to seep into the manhole flow channel which will allow for the water plug material to be applied. Once the leaking walls have been sealed, the drilled relief holes shall be plugged with the specified water plug material. The cost of drilling these relief holes shall be included in the cost of the manhole rehabilitation items.

3. **Patching**. Internal voids (i.e., bricks missing in manhole walls, step removal damage, frames, pipes, and mortar joints) shall be patched

with a patching mortar approved per the manhole liner manufacturer. All loose or defective material shall be removed from the area to be patched, exposing a sound substrate. The patching mortar shall be applied to a SSD surface. All repairs shall be made smooth and flush with the face of the manhole wall. External void areas shall be repaired in accordance with specification SS-7 cementitious grouting.

4. **Cementitious Manhole Lining.** *Where there is evidence of a sulfide condition in the manhole, the cementitious lining material shall offer a level of sulfide resistance compatible to what is deemed necessary by the Engineer. Varying levels of protection are offered by materials such as silica-fume enhanced Portland cement, calcium aluminate cement, and calcium aluminate aggregate in conjunction with calcium aluminate cement.* The manhole wall surface shall be in a saturated, surface-dry condition immediately preceding application of the cementitious material, or in accordance with manufacturer's requirements.

   The cementitious lining may be applied with low pressure spray equipment or hand troweling methods (requires approval of Owner). If hand troweling is to be utilized, consult manufacturer for special requirements (e.g. scrubbing a bondcoat slurry onto the surface.) If the cementitious lining is to be spray applied, the contractor shall take care to prevent overspray from entering the sewer lines by means of a debris dam or other methods. The cementitious material thickness application shall be a minimum of 0.375-inches and not more than 2.0-inches per pass. The minimum acceptable finished thickness shall be 1-inch from the inside face of the manhole wall. The Contractor shall cure in accordance with the manufacturer's instructions following the application of the final cementitious layer. The cementitious lining shall be applied in not more than two passes from bottom to top. No more than 24-hours shall elapse between successive passes on each manhole. The second pass cannot be made until the first pass has achieved initial set. If more than 24 hours elapse between passes, then initial coat must be removed and the process restarted.

N/A 5. **Polymer Manhole Lining.** Application of the polymer manhole liner shall not be made unless the ambient temperature inside the structure is 50 degrees or higher and all surfaces that are to be coated are dry.

   The polymer material shall be manually sprayed on to all surfaces by a trained technician who is experienced in the application of a spray applied resin and has been certified by the manufacturer. The minimum thickness to be applied is to be no less than 250 mils

in order to support structural integrity and no more than 500 mils are to be applied in a single application. No more than 1,000 mils shall be applied in any one day of application. The water table level may require a thicker coating below its level for structural support. The contractor shall submit their design calculations for each manhole that is to be lined. If several coats are required, no more than 15 minutes shall be allowed between liner applications. All precautions should be taken to protect the surfaces between coats so that additional cleaning will not be required. If portions of the manhole, such as the bench, invert, or below the water table, require a thicker coating than the areas above the water table, those areas shall be coated first so that the final coat is a monolithic liner from top to bottom for structural enhancement. No other products such as cement or grouts may be used as part of the structural reinstatement, however, said products may be used as part of the repair process prior to the sprayed application of the structure as specified in section 3.06.A.2-3. Application of the polymer material must be completed in one mobilization, unless a thickness of more than 1,000 mils is specified. The finished manhole shall be returned to full service immediately after the 60 minute initial curing period has lapsed.

3.07 CONSTRUCTION (Not Used)

3.08 REPAIR/RESTORATION

A. **General.** The frame and cover shall be removed and replaced on all manholes being rehabilitated as needed or as directed by the Engineer. The contractor shall leave in place all manhole steps. A flexible chimney seal shall be installed on all manholes being rehabilitated.

N/A B. **Raise Manhole Frame and Cover to Grade.** Removal of the manhole frame and cover shall be in accordance with section 3.08.D but after the surface has been cleaned the contractor shall raise the existing support walls. A bonding agent shall be applied to the top of the existing wall surface and allowed to reach the recommended cure period. Then the supporting walls shall be raised to the specified elevation shown in the plans using brick, precast grade rings or mortar masonry construction.The manhole frame and cover shall be installed as described in section 3.08.D and the surface shall be restored as described in section 3.08.H.

N/A C. **Reconstruct Manhole to Grade.** The existing frame, chimney section, corbelling and manhole walls shall be removed to the elevation required to properly rebuild the manhole to the specified elevation or to an elevation where sound concrete/brick and mortar construction is encountered. The excavation around the periphery of the walls shall be extended below the wall demolition level to provide for encasement of the transition joint. The manhole shall then be reconstructed to the elevation shown on the plans or to existing grade utilizing precast units as shown on standard drawing AA-S102 for Type "C" manholes. The transition joint shall be encased with 6-inch thick Class "C" concrete extending 6-inches above and below the horizontal joint. The manhole frame and cover shall be installed as described in section 3.08D and the surface restored as described in section 3.08.H. The resulting chimney section for the manhole reconstructed to grade shall not exceed 18-inches. The brick and mortar walls shall be rehabilitated as set forth in section 3.06. See standard construction drawings AA-S171 and AA-S173.

N/A D. **Replace Manhole Frame and Cover.** The soil around the casting shall be removed to a depth which will prevent displacement of material into the manhole after the frame and cover and loose brick work is removed. The existing castings and covers shall be carefully removed and salvaged as directed. The top of the walls shall have all loose mortar, deteriorated masonry and brick removed to sound material. The resulting surface shall be cleaned with a water blast to remove any remaining scale, dust and deleterious materials. The frame shall be set in a bed of mortar and cast into a reinforced concrete collar per 3.08.E if specified in the plans. The surface shall be restored as described in section 3.08.H.

N/A E. **Reinforced Concrete Collar.** When specified the casting, vertical chimney section, and the top 6-inches of the corbelling shall be encased with Class "C" concrete to a minimum thickness of 5-inches over the casting flange and 6-inches around the perimeter of the brick and mortar masonry chimney per the MR standard drawings. The collar shall be reinforced with two circumferential number four bars spaced equally along the vertical axis, bar ends lapped 10-inches and embedded with a minimum concrete cover of 2-inches and a maximum of 3-inches.

N/A F. **Rehabilitate Bench and Channel.** The entire bench and channel area shall be reconstructed using the rapid strength patching mortar required by the manhole liner manufacturer. The preparation work shall include all demolition of deteriorated concrete and removal of all deleterious material from the surfaces to be reconstructed and the removal of sound concrete such that the repair mortar shall not be less than 1-inch in thickness at any point as shown in the attached manhole rehabilitation drawings.

If active infiltration is present in the bench and channel area of the manhole, dewatering exterior to the manhole with a well point may be required in order to facilitate the reconstruction. The dewatering shall continue for a minimum of 8 hours following completion of the bench and channel repair work. Dewatering well point, if anticipated, will be listed as a pay item in the bid schedule.

Wastewater flow shall be maintained by methods which prevent contact with any of the repair work for a minimum of 8 hours following completion of the repair work.

The work on the bench and channel shall also include the work necessary to obtain a watertight seal at all pipe connections, drop inlet connections and between the base and manhole walls. The flow line through the manhole shall be shaped to match the invert of the sewer liner to prevent any flow obstructions in the manhole.

N/A G. **Replace Steps.** The manhole steps shall be replaced in accordance with the attached manhole drawings and per CMSC 711.31. The steps shall be selectively placed to position the steps a minimum of 2-inches above or below their previous location. The recommended starting location for step placement is 24-inches +/- 2-inches below the top of the casting. Holes must be carefully drilled so as to minimize damage to manhole linings or seal coats. Steps shall be set at the proper embedment depth per the manufacturer along with an approved water stopping sealant. The rehabilitated wall shall be closely inspected following placement of the new steps for indications of damage to the lining or seal coat. Repairs shall be as directed by the Engineer. Step replacement shall be non-performed at the direction of the City if the rehabilitated manhole diameter with the steps would be insufficient for future access.

H. **Site Restoration.** The Contractor shall be aware of the conditions at each manhole site. This shall include but not be limited to trees, shrubbery, landscaping, structures, fences, mail boxes, driveways, curbs, sidewalks, pavements, etc. The Contractor shall photograph all manhole areas prior to use. All pre-construction conditions shall be fully restored as close to its original condition as practicable.

J. **Flexible Chimney Seals.** The Contractor shall field measure each manhole to ensure proper sizing of the chimney seal. The interior wall surfaces shall be circular and reasonably smooth to promote a positive seal. If the surface is rough, sloped, or irregular apply non-shrink patching mortar to prepare a uniform vertical surface for the sleeve to seal against. Any flaws in the manhole frame such as cracks, pits, or protrusions shall be repaired by either filling with mortar or grinding smooth. Installation of the chimney seal and expansion bands shall be in accordance with the manufacturer's recommendations.

3.09 RE-INSTALLATION (Not Used)

3.10 FIELD QUALITY CONTROL

A. **Visual Inspection.**

1. **Pre-Inspection.** Manhole walls and invert surfaces will be visually inspected for infiltration, voids, all foreign matter, loose mortar, grease, oil residues, and deposits by the City Representative prior to the Contractor beginning any rehabilitation. Any visible leaks shall be stopped per SS-7 and all loose material or deposits shall be removed before work begins.

2. **Post-Inspection**. Manhole lining will be visually inspected for water tightness upon completion and at any time during warranty period. Any visible leaks or defects that appear shall be repaired to the Owner's satisfaction by the Contractor at no additional cost.

B. **Testing Requirements.**

1. Manhole liner shall be tested with a wet gauge as directed by the City's representative to verify prescribed thickness. Any area found with less than the prescribed thickness shall receive the additional material needed.

2. Cementitious Liner. The Contractor shall cast three (3) 2" x 2" cubes for strength verification from each days liner mix. After fabrication, the top of the cube mold is to be covered to protect the

cubes from direct contact with moisture and then they are to be stored inside the structure where fabricated for 24 hours. After 24 hours the samples are to be removed from the structure and submitted to CMT. CMT will then transport the cubes to an approved laboratory for testing. The cube samples will be tested per ASTM C109/C109M and shall meet the following compressive strength requirements:

a. 2,000 psi at 24 hours

b. 8,000 psi at 28 days

The City reserves the right to require the Contractor to take core samples and to patch the cored location at no additional cost.

N/A 3. Polymer Liner. The Contractor shall spray two (2) 7" x 7" stainless steel plates to a thickness of ½". The plates shall be prepared by applying wax or another approved release agent to them so that the panels can be easily pulled away without damage. The samples are to be submitted to CMT each day that polymer lining is completed. CMT will then transport the plate samples to an approved laboratory for testing. The plate samples will be tested per ASTM D790 and ASTM D695 and shall meet the following flexural and compressive requirements:

a. Flexural Modulus of Elasticity ≥ 730,000 psi at 24 hours

b. Compressive Strength ≥ 15,000 psi at 24 hours

4. Each manhole shall be sounded by the Contractor at seven (7) days. Inspector must witness these soundings performed by the Contractor. Defects will be corrected by the Contractor per the manufacturer's recommendation to the satisfaction of the Owner.

N/A 5. Each manhole that is lined with the polymer material shall be vacuum tested in accordance with ASTM C1244.

3.11 ADJUSTING (Not Used)

3.12 CLEANING

A. The Contractor shall be responsible for containing and removal of all the rehabilitation material, rebound, and loose material caused by manhole rehabilitation.

3.13 DEMONSTRATION (Not Used)
3.14 PROTECTION (Not Used)

3.15 SCHEDULES

A. The cost of surface preparation, flow maintenance, step removal and replacement, water plug, and patching mortar, shall be included in the unit prices bid for the cementitious manhole rehabilitation.

B. The accepted quantities of manhole rehabilitation items performed will be paid at the unit price for each respective item of the Contract.

C. The vertical footage of the manhole lining material shall be measured from the spring line of the pipe to a distance 3” above the bottom of the manhole casting.

ITEM	UNIT	DESCRIPTION
SS-10	VF	Reconstruct manhole to grade
SS-10	VF	Manhole lining

END OF SECTION

Submittal Cover Sheet

_____
(Name of Contractor)

2015 Sanitary Sewer Manhole Rehabilitation

_____
(Address)

_____
(City, State, Zip)

City of Dublin
Division of Engineering
5800 Shier Rings Road
Dublin, Ohio 43016

4 Sets of Each Submittal Included

Dublin Project No.: 15-007-CIP

1 set of reviewed submittals returned to CONTRACTOR
1 sets of reviewed submittals forwarded to INDEPENDENT REPRESENTATIVE
1 set of reviewed submittals forwarded to INSPECTOR
1 set of reviewed submittals kept by PROJECT ENGINEER

Submittal No._____Date_____

SUBMITTAL

Item No.	Specification Section	Description

Review is for General Compliance with Contract Documents and Specifications. No Responsibility is Assumed for Correctness of Dimensions or Details.

_____ **No Exceptions Noted**
_____ **No Action Required by Engineer or Owner**
_____ **Make Corrections Noted**
_____ **Revise & Resubmit**
_____ **Rejected – See Comments**

City of Dublin, Ohio

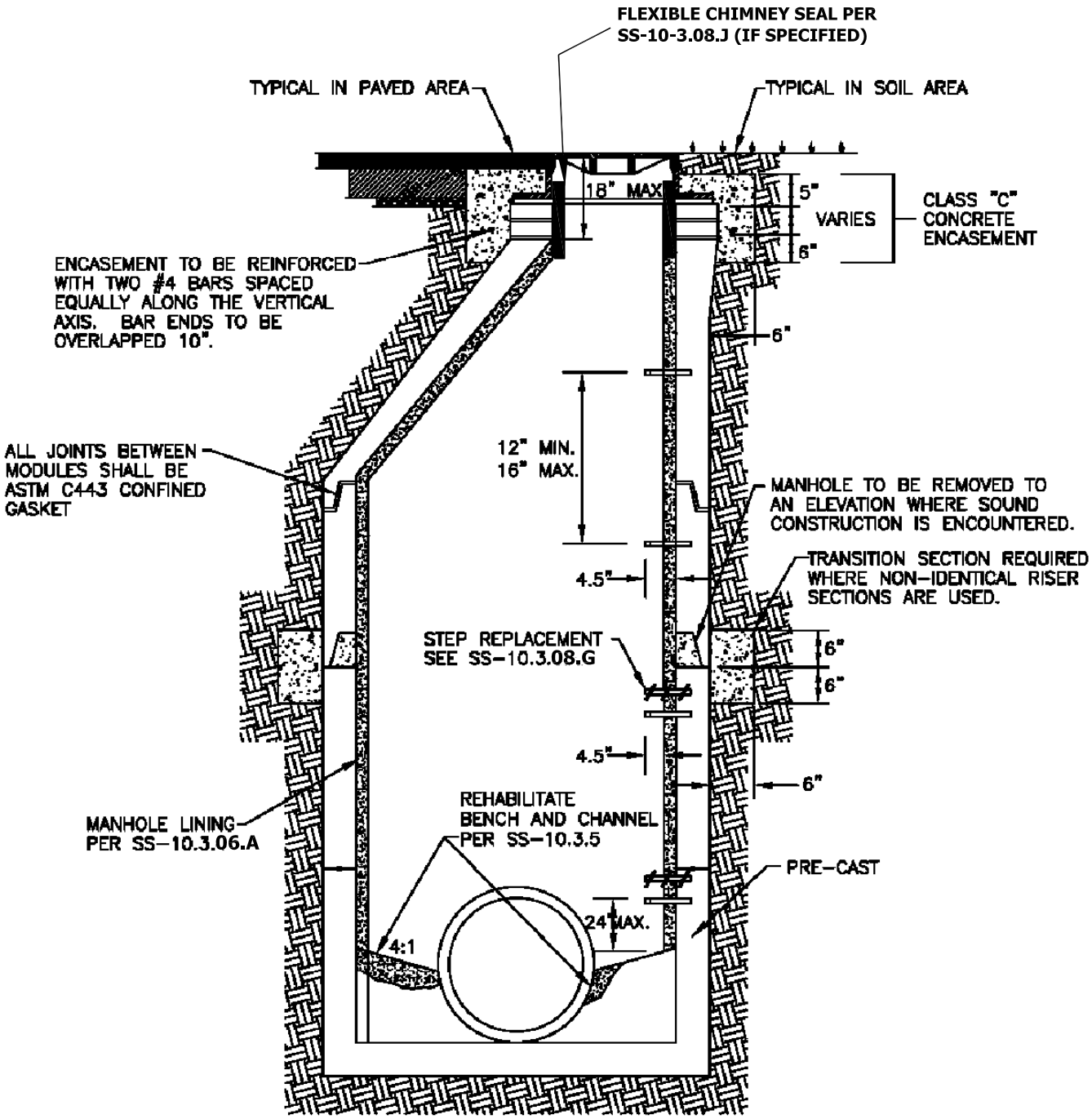
Project # 15-007-CIP
Doc. Type: Constr. Dwg. Review

By:_____Date:_____

E. GEOTECHNICAL SPECIFICATIONS

THERE ARE NO GEOTECHNICAL SPECIFICATIONS FOR THE CITY OF DUBLIN, 2015 SANITARY SEWER MANHOLE REHABILITATION

F. STANDARD DRAWINGS



1. MANHOLE WALLS SHALL BE SOUNDED WITH A HAMMER, AND ALL VOIDS SHALL BE FILLED WITH GROUT AS PER SS-7.
2. MANHOLE WALLS TO BE CLEANED (3.03.E) AND LINED (3.06.A) PER SS-10
3. THE CONTRACTOR SHALL PLACE A DEVICE IN THE MANHOLE TO CATCH ANY DEBRIS WHICH MAY FALL INTO THE MANHOLE DURING PERFORMANCE OF WORK. ALL MATERIALS RESULTING FROM THE CLEANING AND/OR REPAIR OF THE MANHOLE SHALL BE REMOVED AND PROPERLY DISPOSED.

Date: 9/30/2015

City of Dublin
ENGINEERING

STANDARD DRAWING

MANHOLE REHABILITATION

SHEET 1 OF 1

DRAWING NO. ***MR-1***

G. SCOPE OF WORK

Sanitary Sewer Manhole Rehabilitation

The cost estimate for the Project is $500,000.00

IV. OWNER COMPLETED FORMS

A. OWNER EXECUTION CHECKLIST

The following list highlights and serves as a reminder of actions required to execute the Contract with the selected bidder.

Notice of Award

- ☐ Complete the form once bidder selected
- ☐ Mail form to bidder
- ☐ Collect acceptance from bidder

Notice of Award to Surety and Surety's Agent

- ☐ Complete the form once bidder selected
- ☐ Send the bond to legal counsel for double-check of validity
- ☐ Send notice form to Surety and Agent at the addresses listed on the Bond form

Bid Tabulation Sheet

- ☐ If Prevailing Wage applies, ensure that the Bid Tabulation Sheet is completed and in your Project file

Prevailing Wage

- ☐ Check the date of the Determination Letter included with the Contract Documents. If it has expired, issue new prevailing wage rates to the Contractor.

Owner/Contractor Agreement

- ☐ Have the Contractor sign the Agreement
- ☐ Have the Law Director review and sign the Agreement
- ☐ Have the Fiscal officer sign the Agreement
- ☐ Have the CITY OF DUBLIN representative sign the Agreement

Notice of Commencement

- ☐ Complete the Notice of Commencement form and put it in the Project file
- ☐ Must produce it if requested but no filing requirement

Notice to Proceed

- ☐ Issue the Notice to Proceed

Bidder's and Subcontractors' Certificate(s) of Licensure

- ☐ If applicable, Collect from Bidder if not submitted with Bid

B. NOTICE OF AWARD TO BIDDER

Date: _____

PROJECT: 2015 SANITARY SEWER MANHOLE REHABILITATION

The CITY OF DUBLIN (Owner) has considered the Bid submitted by you for the above-described work in response to the Legal Notice dated September 30, 2015.

You are hereby notified that your Bid has been accepted for items in the amount of $.

You are required by the Instructions to Bidders to execute the Contract and furnish the required documents within ten (10) calendar days from the date of this notice to you.

If you fail to execute said Contract within ten (10) days from the date of this notice, Owner may—at its discretion—exercise its rights with respect to your Bid guaranty and be entitled to such other rights as may be granted by Law.

You are required to return an acknowledged copy of this Notice of Award to the Owner.

Dated this _____ day of _____, 2015.

Sincerely,

_____
Paul A. Hammersmith P.E.
Director of Engineering / City Engineer

ACCEPTANCE OF NOTICE

Receipt of the above Notice of Award is hereby acknowledged.

Bidder_____

This _____ day of _____, 2015

By: _____

Title: _____

C. NOTICE OF AWARD TO SURETY AND SURETY'S AGENT

_____ (Surety)

_____ (Address)

_____ (City/State/Zip)

_____ (Surety's Agent)

_____ (Address)

_____ (City/State/Zip)

Date: _____

SENT BY REGULAR U.S. MAIL

RE: NOTICE OF AWARD OF CONTRACT

To Whom It May Concern:

You are notified that your principal, , has been awarded a contract for the CITY OF DUBLIN, 2015 SANITARY SEWER MANHOLE REHABILITATION project, in the amount of $_____ by the CITY OF DUBLIN, OHIO .

Sincerely,

_____
Paul A. Hammersmith P.E.
Director of Engineering / City Engineer

D. NOTICE TO PROCEED

To:

Date: _____

Project: 2015 SANITARY SEWER MANHOLE REHABILITATION

Owner: CITY OF DUBLIN, OHIO
5200 Emerald Parkway, Dublin, Ohio 43017

You are hereby notified to commence Work in accordance with the City/Contractor Agreement dated , and you are to complete the Work in the time required by the Contract Documents. Within ten (10) days from this Notice to Proceed date, you will begin physical, on-site improvements. You are required to return an acknowledged copy of this Notice to Proceed, to the Owner, indicating Acceptance of this Notice to Proceed.

_____
Paul A. Hammersmith P.E.
Director of Engineering / City Engineer

ACCEPTANCE OF NOTICE TO PROCEED

Receipt of the above NOTICE TO PROCEED is hereby acknowledged by _____, this the day of _____, 2015.

By: _____

Title: _____

E. NOTICE OF COMMENCEMENT OF PUBLIC IMPROVEMENT (O.R.C. §1311.252)

NOTICE IS HEREBY GIVEN OF THE COMMENCEMENT OF A PUBLIC IMPROVEMENT AS FOLLOWS:

1. The public improvement is identified as the CITY OF DUBLIN, 2015 SANITARY SEWER MANHOLE REHABILITATION project located at various locations within the City of Dublin.

2. The public authority and Owner responsible for the public improvement is the CITY OF DUBLIN, OHIO, 5200 Emerald Parkway, Dublin, Ohio 43017 .

3. The principal contractor(s) for the public improvement are as follows:

, .

4. The date the CITY OF DUBLIN first executed a contract with a principal contractor for this public improvement is .

5. The name and address of the representative for the CITY OF DUBLIN upon whom service may be made for the purposes of serving an affidavit pursuant to Section 1311.26 of the Ohio Revised Code is Paul A. Hammersmith P.E., Director of Engineering / City Engineer for the CITY OF DUBLIN, OHIO, 5800 Shier-Rings Road, Dublin, Ohio 43016.

_____ _____

Paul A. Hammersmith P.E. Date
Director of Engineering / City Engineer

The foregoing instrument was acknowledged before me this _____, day of _____, 20____ by Paul A. Hammersmith P.E., Director of Engineering / City Engineer for the CITY OF DUBLIN, OHIO.

Signature and Seal of person taking acknowledgement:

_____

F. PREVAILING WAGE BID TABULATION SHEET

Please print and complete this form. Keep it with your records until the contract has been awarded. Once the contract has been officially awarded, check mark which company was awarded the contract for the project and send or fax a copy to the Wage and Hour Division at 614-728-8639.

Contracting Public Authority: the CITY OF DUBLIN, OHIO		
Project Name:2015 SANITARY SEWER MANHOLE REHABILITATION		
Project No.: 15-007-0-CIP	Bid Date: October 14, 2015	Estimate: $500,000.00

Contract Description: ☐General ☐HVAC ☐Electrical ☐Plumbing ☐Asbestos ☐Other_____

Awarded to (check)	List of Bidding Contractors	Total Bid Amount

Submitted By

Print Name: Paul A. Hammersmith P.E.	Title: Director of Engineering / City Engineer
Telephone Number: 614-410-4665 Todd Garwick, P.E.	Fax: 614-410-4699 / Todd Garwick, P.E.
Signature:_____ Paul A. Hammersmith, P.E.	Date:

V. ADDITIONAL PROJECT FORMS

A. PAYROLL INFORMATION

PROJECT: 2015 SANITARY SEWER MANHOLE REHABILITATION

I, _____ (Name),

_____ (Title) of _____ (Company Name), state the following:

1. That I pay or supervise the payment of the persons employed by _____ (Company Name) on the above-referenced project.

2. That during the payroll period commencing on the _____ day of _____, 2015, and ending on the _____ day of _____, 2015, all persons employed on said project have been paid the full weekly wages earned; that no rebates have been or will be made either directly or indirectly to or on behalf of said _____ (Contractor/Subcontractor) from the full weekly wages earned by such persons; and that no deductions have been made either directly or indirectly from the full wages earned by such persons, other than permissible deductions as defined in Regulations, Part 3 (29 CFR Subtitle A), issued by the Secretary of Labor under the Copeland Act, as amended (48 Stat. 948, 63 Stat. 108, 72 Stat. 967; 76 Stat. 357; 40 U.S.C. 276c), and described below:

_____

_____

_____

3. That any payrolls otherwise under this Agreement for Construction (the "Agreement") required to be submitted for the above period are correct and complete; that the wage rates for laborers or mechanics contained therein are not less than the applicable wage rates contained in the specifications as supplied by the Department of Industrial Relations or any wage determination incorporated into the Agreement; and that the classifications set forth therein for each laborer or mechanic conform with the work he performed.

4. That any apprentices employed in the above period are duly registered in a bona fide apprenticeship program registered with the Ohio Apprenticeship Council.

5. That (check applicable box):

□ a. WHERE FRINGE BENEFITS ARE PAID TO APPROVED PLANS, FUNDS, OR PROGRAMS:

In addition to the basic hourly wage rates paid to each laborer or mechanic listed in the above-referenced payroll, payments of fringe benefits listed in the Agreement have been or will be made to appropriate programs for the benefit of such employees, except as noted in Section 4 below.

□ b. WHERE FRINGE BENEFITS ARE PAID IN CASH:

Each laborer or mechanic listed in the above-referenced payroll has been paid as indicated on the payroll, and amount not less than the sum of the applicable basic hourly wage rate plus the amount of the required fringe benefits as listed in the Agreement, except as noted in Section 4 below.

c. Exceptions:

Exception (Craft):	Explanation:
_____	_____
_____	_____
_____	_____
_____	_____

Remarks:

_____

_____

_____

(Signature)

_____

(Print Name and Title)

The willful falsification of any of the above statements may subject the Contractor or Subcontractor to fines as described in Section 4115.99 of the O.R.C.

B. FINAL AFFIDAVIT OF COMPLIANCE WITH PREVAILING WAGES

PROJECT: 2015 SANITARY SEWER MANHOLE REHABILITATION

STATE OF _____

COUNTY OF _____, SS:

I,_____,(Name of person signing the affidavit) _____ (Title) do hereby certify that the wages paid to all employees of _____ (Company Name) for all hours worked on project the CITY OF DUBLIN 2015 SANITARY SEWER MANHOLE REHABILITATION Project located at various locations within the City of Dublin during the period from _____to_____ are in compliance with the Prevailing Wage requirements of Chapter 4115 of the Ohio Revised Code. I further certify that no rebates or deductions have been or will be made, directly or indirectly, from any wages paid in connection with this project, other than those provided by law.

_____

(Signature of Affiant)

_____

(Print Name)

Sworn to and subscribed in my presence this _____ day of _____, 2015.

_____

Notary Public

The above affidavit must be executed and sworn to by the officer or agent or the Contractor/Subcontractor who supervised the payment of employees, before the CITY OF DUBLIN, OHIO will release the surety and/or make final payment due under the terms of the Agreement.

C. CONTRACTOR'S LIEN WAIVER AND RELEASE AGREEMENT

Project: 2015 SANITARY SEWER MANHOLE REHABILITATION

The undersigned hereby acknowledges receipt of payment from the City for all Work on the Project through the date of its prior Application for Payment. The undersigned acknowledges and agrees that the terms in this Agreement shall have the same meaning as in the Contract Documents for the Project.

In return for said payment, and/or pursuant to certain contractual obligations of the undersigned, the undersigned hereby waives and releases any rights it has or may have through the date of its last Application for Payment to any and all Claims and liens related to the Project, including without limitation: Claims of payment, mechanic's liens, liens against funds, surety bond Claims, and Claims for breach of contract or unjust enrichment. The sole exception to this waiver and release is for any Claims the undersigned has made by properly and timely submitting a Claim as required by the Contract Documents. The undersigned acknowledges and agrees that this wavier and release is intended to be a comprehensive release of all Claims and liens related to the Project, including without limitation all Claims against the City, and the employees, board members, agents and representatives of any of the foregoing persons. The undersigned further certifies that this Agreement covers Claims and liens by all persons with which it did business related to the Project, including without limitation subcontractors and suppliers, through the date of its last Application for Payment. The undersigned represents that all such persons have signed an agreement in the form of this Agreement releasing any and all Claims and liens related to the Project, except for any Claims made by properly and timely submitting a Claim as required by the Contract Documents, a copy of which has been delivered to the City. The undersigned hereby represents and warrants that it has paid any and all welfare, pension, vacation, or other contributions required to be paid on account of the employment by the undersigned of any laborers on the Project.

This Agreement is for the benefit of, and may be relied upon by the City. The undersigned hereby agrees to indemnify, defend and hold harmless each of the foregoing, the Project, work or improvement, and real property from any and all Claims, or liens that are or should have been released in accordance with this Agreement.

Contractor Name:_____

Authorized Signature: _____

Title: _____

The foregoing instrument was acknowledged before me this _____, day of _____, 20____ by _____.

Signature and Seal of person taking acknowledgement:

_____

VI. PLANS/DRAWINGS

Plans and Drawing are available at http://dublinohiousa.gov/bids-and-requests-for-proposals/ when downloading the project documents on line. If you purchase a hard copy of the project documents the plans and drawings will be on the CD included in the Bid Document and 11 X 17 printed copy as well.