

**COBB COUNTY WATER SYSTEM
APPLICATION FOR PREQUALIFICATION
FOR MANHOLE REHABILITATION**

Instructions

A. General

Contractors who desire to be considered for inclusion on the Cobb County Water System (CCWS) List of Prequalified Contractors for Manhole Rehabilitation must complete and submit an Application for Prequalification. This application process must be followed even if the firm has been previously prequalified by the CCWS for similar work.

All information submitted for the prequalification process shall become the property of the Cobb County Water System. To the extent allowed by law, financial information will be considered confidential by the Cobb County Water System. The CCWS reserves the right, but does not have the obligation, to request the submittal of additional information.

The Applicant is advised that applications are reviewed by the CCWS upon receipt; however, additions to the List of Prequalified Contractors are made by the Cobb County Board of Commissioners only on a quarterly basis. In addition, contractors must be prequalified before the first bid advertisement of a particular rehabilitation project to be eligible to submit a bid on that project.

The prequalification status of all contractors will be re-evaluated on a biennial basis. All contractors will be required to submit a new application at that time; however, prequalified firms must submit revised information to the CCWS at any time any of the following changes occur.

1. Acquisition of contractor or name change;
2. Change in financial status that could adversely affect the ability of the contractor to perform the work;
3. Changes that adversely affect the Contractor's ability to obtain Bonds and/or insurance required to perform work;
4. Material changes in staffing, experience, or equipment;
5. Any other changes that could alter the Contractor's prequalification standing with the CCWS.

B. Completeness

Prequalification Application packages which have not been completed properly or do not include the necessary attachments will be returned to the Applicant without a complete review. The enclosed Applicant's Checklist is intended to serve as a reminder of the required information to be included in the submittal. This checklist form must be included with the application.

The Prequalification Application packages must be organized in five sections, each section delimited by tabbed dividers. The information to be included in each section is identified in the Applicant's Checklist.

C. Submittal

The information requested must be submitted on the forms provided within the attached Contractor's Qualification Statement and must be organized as indicated on the Applicant's Checklist. Any additional pages attached to the form must include the Applicant's name and cross references to item numbers on the application form. The submittal of Letters of Reference from owners and engineers regarding the Applicant's performance on previous projects is encouraged; however, the project experience forms (Form for Similar Projects and References – Manhole Rehabilitation) must be completed and included with the application.

The Contractor's Qualification Statement shall be filled out in full by typing or legible hand lettering in ink. All pages may be copied as needed.

An original and one copy of the Prequalification Application package must be submitted to:

Mr. Ü&@áÁ á á, P.E.
Engineering & Records Division
Cobb County Water System
Customer Services Building
660 South Cobb Drive
Marietta, GA 30060-3105

D. Criteria for Qualification

All contractors applying for prequalification must have experience in the application of manhole rehabilitation systems as described in the CCWS standard specification, Section 13343 – Subsurface Manhole Rehabilitation (see Attachment No. 2). The Applicant has the option to apply for qualification for the following categories of manhole rehabilitation projects:

- Cementitious Liners
- Calcium Aluminates
- Epoxy Resin-Based Liners

Applicants are to indicate which category that they are intending to be evaluated for prequalification. If the CCWS adjudges the Applicant does not qualify for one of the categories, the prequalification may be restricted accordingly. Final determination of the Applicant's pre-qualification status lies solely with the Owner.

In determining the Applicant's qualifications, the following factors will be considered: company experience, individual staff experience and qualifications, references on completed projects, financial stability (including bonding capacity and insurance coverage), and safety record. Contractors must be licensed as a Utility Contractor by the State of Georgia to perform work for the Cobb County Water System.

Company Experience

The Applicant must meet the minimum requirements listed below to be considered for prequalification:

- a. Cementitious Lining - Successful installation of specified cementitious lining product(s) in a minimum of 500 manholes or structures.
- b. Calcium Aluminates - Successful installation of specified calcium aluminate product(s) in a minimum of 300 manholes or structures
- c. Epoxy Lining - Successful installation of specified epoxy resin-based lining system(s) in a minimum of 300 manholes or structures.
- d. The Applicant must provide certification from the designated Manufacturer that the Company is qualified and trained to apply the specified product(s).
- e. For each specified product, the Applicant shall have completed at least three projects applying the specified product to a minimum of 25 manholes or structures. These projects must have been completed within the past five years. Projects currently under construction will not be considered.

Staff Experience

The Applicant must meet the minimum requirements listed below to be considered for prequalification:

- a. Applicant shall provide the Owner certification from the lining material manufacturer that the Contractor's personnel have been trained in the application of the specified product.
- b. The Field Supervisor shall have successfully installed the specified lining product in a minimum of 100 manholes/structures, and shall be a certified applicator of the Manufacturer's product. The Supervisor shall have successfully completed three projects utilizing the specified product and have demonstrated experience in supervising vacuum testing procedures.
- c. The Applicator shall be certified and trained in the application of the Manufacturer's product. The Applicator shall have a minimum of two years experience or of three projects applying the manufacturer's product.

E. Financial Information

Applicants are required to submit financial information to enable the CCWS to adjudge the firm's financial stability. The financial information required for the prequalification review process may be submitted in one of the following two formats:

1. Copies of financial statements included as an attachment to the Application for Prequalification; or
2. Submittal of the attached Financial Information Form, completed by an independent certified public accountant, using data extracted from the Applicant's financial statements.

All financial statements will be returned to the Applicant or will be destroyed upon completion of the review of the submitted information. If the Applicant desires for the statements to be returned, a self-addressed, stamped envelope or a delivery service account number for return shipment must be included with the application.

Note that whether submitting copies of financial statements or information extracted from these statements, the statements must be audited or reviewed. Compiled or self-prepared financial statements are not acceptable for the CCWS prequalification review process.

F. Bonds and Insurance

The CCWS requires performance and payment bonds in the full amount of the bid on each project, in addition to appropriate insurance coverage for the Contractor. A copy of the Insurance Requirements for Contractors for Cobb County is attached. The CCWS will require current certificates of insurance indicating full coverage prior to executing contracts.

G. Policy

A copy of the Cobb County's Policy on Pre-Qualification of Contractors is attached. Additional information regarding the prequalification process is contained therein.

H. Georgia Security & Immigration Compliance Act

Applicants are advised that all Contractors performing work for Cobb County must comply with the requirements of O.C.G.A. Sec. 13-10-91 (the "Georgia Security & Immigration Compliance Act") and Rule 300-10-1-.02 of the Rules of the Georgia Department of Labor. The procedures and requirements of the Cobb County Government related to the Georgia Security & Immigration Compliance Act, along with the affidavits and a compliance certification form are included in the bid documents of all Cobb County Water System projects. Completed affidavits and forms are to be submitted with the bid on a project or at the time of contract execution for an awarded project, as indicated in the specific bid documents. Bids submitted without the required affidavits will be considered non-responsive and will be disqualified from further consideration.

I. Disadvantaged Business Enterprises (DBE) Participation

Cobb County Government encourages the participation of all businesses in offering their services and/or products. The Cobb County Government has the goal to fairly and competitively procure the best product at the most reasonable cost.

While the Cobb County Government does not administer a Disadvantaged Business Enterprise (DBE) certification program, the County does desire to identify DBE participation in our contracts and to quantify that participation. The Contract Documents of Cobb County Water System projects will include information regarding the identification of the DBE status of contractors and/or subcontractors, along with forms to be used for periodic reporting of the level of participation during construction of the project.

J. Other

The prequalification of a Contractor will not deprive the Cobb County Water System of the right to reject any bid, where other circumstances and developments have, in the opinion of the County, changed the qualification or responsibility of the Contractor.

The prequalification of a Contractor through this process shall not be construed as approval for that Contractor to bid on any Cobb County Water System project; rather, only on those projects so indicated in the project's Advertisement for Bids. Depending on the nature and/or complexity of a particular project, a separate prequalification process may be necessary.

This form, its completion by the Applicant, and its use by the CCWS, shall not give rise to any liability on the part of Cobb County to the Applicant or any third party or person. This is not a solicitation for bid. No guarantees are made or implied that a project will be constructed, either in part or whole. The Applicant accepts all risks and cost associated with the completion of the prequalification package without financial guarantee.

K. Attachments

1. Contractor's Qualification Statement Forms.
2. Sample Specification Section 13343, Subsurface Manhole Rehabilitation.
3. Insurance Requirements for Contractors.
4. Cobb County Policy on Pre-Qualification of Contractors.

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ATTACHMENT NO. 1

**COBB COUNTY WATER SYSTEM
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Contractor's Qualification Statement

1. Name of Contractor: _____
(AS REGISTERED WITH THE SECRETARY OF STATE)
2. Contact Information:
 - a. Mailing Address: _____

 - b. Business Address: _____

 - c. Telephone number: (____) _____
 - d. Fax number: (____) _____
 - e. Primary Contact Person:
Name: _____
Email Address: _____
3. Licensing Information:
 - a. State of Georgia Utility Contractor License Number: _____
 - b. Business License Number: _____ County of Issue: _____
4. Type of Organization (check appropriate block):
 Corporation Partnership Sole Proprietorship
 - a. If corporation, indicate:
State of incorporation: _____ Date: _____
 - b. If partnership, indicate date of organization: _____
 - c. If sole proprietorship, indicate number of years in continuous business: _____
 - d. List names of officers or partners and their length of time with the firm.

_____ years

_____ years

_____ years

5. How many persons does your company permanently employ? _____
6. How many years of experience in the proposed type and size of construction work has your organization had as a general contractor? _____

7. List all names previously used by your firm:

8. List all companies, firms, or organizations that own any part of your organization:

9. Is your firm currently prequalified for similar work with other municipalities or public utilities?

Yes: _____ No: _____

If yes, list names of municipalities or public utilities:

10. Provide a summary of the background and experience of the members of your organization who perform key functions on Manhole Rehabilitation projects. The summary must include the individual's name, position and number of years with the firm, details regarding work experience with project names and dates, information about education, specialized training and/or certifications, and other pertinent information. At a minimum, the following positions on your project team shall be identified in this submittal.

Office Management

Project Manager
 Safety Manager
 Certified Utility Manager

Jobsite Management

Field Supervisor
 Applicator
 Safety Representative

➔ *Attach personnel summaries to demonstrate that personnel have the minimum experience and expertise described in the Instructions section of this application package.*

11. Submit an audited or reviewed financial statement for each of the past three years, including the most recent fiscal year activity. The statements must be prepared by an independent, licensed certified public accountant. Financial statements must include balance sheets, income statements, and a statement of retained earnings, supporting schedules, and notes. All copies of financial statements will be returned to the Applicant following completion of the prequalification review process or will be destroyed, as indicated below.

Indicate desired disposition of copies of financial statements:

- Return to Applicant Destroy

As an alternate to the submittal of Financial Forms, submit a completed Financial Information Form prepared by an independent, licensed certified public accountant. The Form must include information for each of the past three years, including the most recent fiscal year activity.

- ➔ *Submit Financial Statements for the last three years, including the most recent fiscal year.*
- ➔ *As an alternate, submit a completed and certified Financial Information Form.*
- ➔ *Include SASE or delivery service account number for return shipment of financial statements, if return is desired.*

12. What is your approximate bonding capacity?

a. Single Project Capacity: \$ _____

b. Total Aggregate Capacity: \$ _____

c. Remaining Capacity: \$ _____

- ➔ *Provide a current dated letter from your surety company agent that certifies the bonding limits stated above.*

13. What is the name and AM Best rating of your bonding company? List the name and telephone number of your bonding company agent.

Bonding Company: _____ AM Best Rating: _____

Agent Name: _____ Telephone No.: _____

14. Liability Insurance: Provide the following information regarding your insurance coverage.

a. Name of Primary Agent or Broker: _____

b. Telephone No.: _____ Fax No.: _____

- ➔ *Provide a copy of a current Certificate of Liability Insurance. Note that insurance certificates confirming that your firm carries the minimum coverage outlined in "Section 00750 – Insurance Requirements for Contractors" (included in the Instructions section of this Application package) must be provided when a contract is executed for a particular project.*

15. Have you ever been refused surety, bond, or liability insurance?

Yes: _____ No: _____

- ➔ *If yes, attach an explanation.*

16. Safety Information:

a. Does your firm have a written Safety, Health, and Environmental Program?

Yes: _____ No: _____

b. Obtain from your insurance agent/broker/carrier your Experience Modification Rate (EMR) for the past three years and list these Rates in the spaces provided below.

Year	Experience Modification Rate
20__	
20__	
20__	

→ Provide a copy of your workers compensation insurance carrier's documentation (e.g., NCCI Workers Compensation Experience Rating form) showing calculation of your EMR for the most current year.

c. Has your firm received any OSHA violations (citations) in the past three years?

Yes: _____ No: _____

→ If yes, attach a separate page describing the citations, including information about the dates of the citations, the nature of the violation, the project on which the citation was issued, the amount of penalty paid, if any. This question must be answered "Yes" and information provided if citations have been appealed or contested, but have not yet been resolved. If the citation was appealed and a decision has been issued, state the case number and the date of the decision.

17. Do Applicant's business policies conform with government regulations regarding nondiscrimination of employment and employment practices on the basis of sex, race, color, national origin, ancestry, age, religious conviction, veteran status, handicap status, political beliefs or non-job related criteria?

Yes: _____ No: _____

18. Is your firm classified as a Disadvantaged Business Enterprise (DBE)?

Yes: _____ No: _____

If yes, indicate:

DBE Certification Number: _____

Name of Certifying Organization: _____

19. Has your firm ever failed to complete any work awarded to you?

Yes: _____ No: _____

→ If yes, attach a detailed explanation.

20. Has your firm been assessed liquidated damages on any project in the past five years?

Yes: _____ No: _____

→ If yes, attach a detailed explanation.

21. Has your firm been involved in claims, arbitration, mediation, and lawsuits on public works projects, either a plaintiff or defendant, in the last five years?

Yes: _____ No: _____

→ If yes, attach a separate sheet listing: the style of the case, when filed, name of the claim, the nature of the claim, parties to the litigation, court in which litigation was filed and civil action number, whether the case is pending or resolved, and, if resolved, the date of and manner in which it was resolved (e.g., relief granted by court, settlement by or among parties, dispositive motion, trial verdict) and the name and location of the project involved.

22. Does your firm (including any member, officer, partner, subsidiary or affiliate thereof) have a pending citation for violating any provision of The Official Code of Cobb County, Georgia at the current time?

Yes: _____ No: _____

➔ *If yes, attach a separate sheet with a detailed explanation of the Code violation and the status of the resolution of the citation.*

23. Provide a list of the major items of equipment that are available for manhole rehabilitation construction. Indicate any equipment items that are leased.

➔ *Attach a detailed equipment list with specific notation whether items are owned or leased.*

24. The Applicant must indicate below the category of rehabilitation and specific products for which it is requesting qualification. The Applicant may apply for any or all categories, as stated in the Instructions section.

Cementitious Lining

Calcium Aluminates

Epoxy Resin Liners

Products:

Products:

Products:

25. Submit information regarding your "Company Experience" on the attached Form for Similar Projects and References to demonstrate that your firm meets the criteria described in the Instructions section. Include detailed information on a minimum of three manhole rehabilitation construction projects completed by your firm over the past five years. The names, addresses, location of the jobs performed, contract amounts, dates, and reference contact names with telephone numbers must be indicated on the form. Please be complete and ensure that all reference contact information is accurate and current. The submittal of Letters of Reference is desired and encouraged; but only in addition to the current reference contact information.

Submit one Form for Similar Projects and References for each project, using the blank form attached. Supplemental information in other formats may also be attached to the Form if desired; however, a completed Form must be submitted for each project.

➔ *Provide a Form for Similar Projects and References for at least three completed manhole rehabilitation construction projects completed within the past five years.*

➔ *Provide Letters of Reference or additional project data to supplement information presented on Form.*

26. Forms: The forms to be completed and submitted with the Application follow.

➔ Affidavit for Contractor – Certification of Prequalification Application Content

➔ Financial Statements or Financial Information Form (alternate to submittal of financial statements)

➔ Form for Similar Projects and References – Manhole Rehabilitation (copy as needed)

➔ Applicant's Checklist

Note: This symbol (➔) indicates required attachments.

**COBB COUNTY WATER SYSTEM
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**Affidavit for Contractor
Certification of Prequalification Application Content**

I, the undersigned, _____ (typed name) as the authorized representative for _____ (typed company name), a contractor interested in becoming prequalified for bidding on Cobb County Water System projects, do hereby attest that all statements and representations made herein are true and correct to the best of my knowledge. These statements are made openly and freely without intent to influence or embellish actual conditions or circumstances that occurred.

I understand that the Cobb County Water System will investigate any and all statements and representations in this application made by my firm and me and we freely give our permission for them to do so. Should releases be required by any of our professional, financial, or bonding institutions to release verification of the enclosed data, I have provided them in the application package. I agree to waive any claims against the Cobb County Water System for the release of the information necessary to evaluate this application.

I am hereto sworn _____ (signature)

_____ (title)

_____ (firm name)

This date _____, _____

County of _____ State of _____

The foregoing instrument was acknowledged before me this _____ day of _____

_____ (Notary signature)

_____ (typed Notary name)

My commission expires _____

(Notary Seal)

**COBB COUNTY WATER SYSTEM
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Financial Information Form

All Applicants must provide an audited or reviewed Financial Statement or must submit this *Financial Information Form*, completed by an independent certified public accountant. The ratios and other information listed hereon must be calculated from data included in audited or reviewed Financial Statements prepared for the Applicant by an independent certified public accountant. The use of compiled or self-prepared financial statements in the preparation of this *Form* is not acceptable.

Name of Applicant _____

Item	Value by Year		
	20__	20__	20__
Current Ratio ¹			
Quick Ratio ²			
Solvency Ratio ³			
Total Debt Ratio ⁴			
Debt to Equity Ratio ⁵			
Profitability ⁶			
Stockholder's Equity ⁷			

- ¹Current Ratio = Current Assets / Current Liabilities
- ²Quick Ratio = Cash + Cash Equivalents + Accounts Receivable / Current Liabilities
- ³Solvency Ratio = Shareholder's Equity / Total Assets
- ⁴Total Debt Ratio = Current Liabilities + Long-term Liabilities / Total Assets
- ⁵Debt to Equity Ratio = Current Liabilities + Long-term Liabilities / Shareholder's Equity
- ⁶Profitability = Profit before Taxes x 100 / Total Assets
- ⁷Stockholder's Equity – indicate range of value based on the following categories:
 - Less than \$500K = 1; \$500K to \$1M = 2; \$1M to \$2M = 3; \$2M to \$4M = 4; Greater than \$4M = 5

Accountant's Certification

I (we) have examined this *Financial Information Form* and the Applicant's original audited or reviewed financial statements, and find that the all information presented hereon is based on data extracted from those financial statements. I understand that this form is intended solely for use by the Cobb County Water System during review of the Application for Prequalification submitted by the Contractor. In addition, I have no personal financial interest or affiliation with this organization or individual.

Firm Signature: _____ Date: _____

Independent Certified Public Accountant:

Firm Name: _____

Address: _____

Telephone Number: _____

Email Address: _____

FORM FOR SIMILAR PROJECTS AND REFERENCES – MANHOLE REHABILITATION

Name of Contractor: _____		
Project Name: _____		
Location: _____		
Project Owner: _____		
Contact Person: _____		
Telephone Number: _____		
Email Address: _____		
Project Engineer: _____		
Contact Person: _____		
Telephone Number: _____		
Email Address: _____		
Contract Dates:	Date of Notice to Proceed:	Date of Final Completion:
Contract Amount:	Original: \$	Final: \$
Brief Description of Project (check appropriate category, include manufacturer's product information, number of manholes lined with each product, name of Field Supervisor, and other pertinent information):		
<input type="checkbox"/> Cementitious Lining <input type="checkbox"/> Calcium Aluminates <input type="checkbox"/> Epoxy Resin Liners		
Name of Field Supervisor: _____		
Type of Project (check appropriate box): <input type="checkbox"/> Public Works <input type="checkbox"/> Private Owner		
Contractual Status on Project (check appropriate box): <input type="checkbox"/> Prime Contractor <input type="checkbox"/> Subcontractor		
If subcontractor, provide name of Prime Contractor: _____		
Did you provide performance and/or payment bonds on this project? Yes ____ No ____		
Was this project completed within the original contract period? Yes ____ No ____		
Did this project require traffic control and/or traffic diversion? Yes ____ No ____		
Was this project located in an established neighborhood? Yes ____ No ____		
Did this project include the restoration of landscaped yards? Yes ____ No ____		
Did this project include sewage bypassing or other flow diversion? Yes ____ No ____		
Is a letter of reference from the project owner included with this application? Yes ____ No ____		

Copy this form for additional Similar Projects – Manhole Rehabilitation

**COBB COUNTY WATER SYSTEM
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Applicant's Checklist

Applicant Name: _____ Date Submitted: _____

Instructions: Organize application package as outlined on this form with each section separated under a numbered tab. Submit this form with your application package. Note that incomplete submittals will be returned to the Applicant without review.

GENERAL

An original and one copy of forms and attachments submitted?

SECTION 1

Contractor's Qualification Statement form filled out in its entirety?

Signed and notarized Affidavit for Contractor attached?

Applicant's Checklist included with submittal?

SECTION 2

Background and experience summaries for key personnel attached?

Equipment list attached?

SECTION 3

Form for Similar Projects and References completed in entirety and attached?

Letters of Reference attached?

SECTION 4

Financial statements or Financial Information Form attached?

SASE or delivery service account number included for return shipment of financial statements, if return option is selected?

Letter from bonding company agent attached?

Certificate of Liability Insurance form attached?

Information regarding inability to obtain surety, bond, or liability insurance attached (if applicable)?

Workers Compensation Experience Modification Rate form for most current year attached?

SECTION 5

OSHA citation information attached (if applicable)?

Information regarding failure to complete work attached (if applicable)?

Liquidated damages assessment information attached (if applicable)?

Information regarding claims, arbitration, mediation, and lawsuits attached (if applicable)?

Information regarding pending County Code violation citations attached (if applicable)?

ATTACHMENT NO. 2

COBB COUNTY WATER SYSTEM APPLICATION FOR PREQUALIFICATION FOR MANHOLE REHABILITATION

SAMPLE SECTION 13343 - SUBSURFACE MANHOLE REHABILITATION

PART 1 - GENERAL

1.01 SCOPE

- A. Furnish all labor, material and equipment to provide for the reconstruction of existing manholes, using an approved method of non-disruptive rehabilitation within an existing structure, which has generally maintained its original shape.
- B. Supply all products and perform all work in accordance with applicable American Society for Testing and Material (ASTM), American Water Works Association (AWWA), American National Standards Institute (ANSI), or other recognized standards. The latest revision of all standards in effect on the project's advertisement date shall apply. Where discrepancies exist between this Specification and referenced product/process standards, this Specification shall govern.

1.02 CONTRACTOR QUALIFICATIONS

- A. The Contractor performing this work shall be fully qualified, experienced, and equipped to complete this work expeditiously and in a satisfactory manner. The Contractor shall be an approved installer as certified and licensed by the manufacturer. The Contractor must certify that the proposed product/process to be used is the exact system for which any and all submittals and certifications were made. No substitutions will be allowed, and misrepresentations or omissions may be grounds for Contract termination with the Contractor waiving any and all claims against the Owner for work performed or costs incurred. The Contractor must meet the minimum requirements listed below for the specified product.
 - 1. Cementitious Lining - Successful installation of specified cementitious lining product(s) in a minimum of 500 manholes or structures.
 - 2. Calcium Aluminates - Successful installation of specified calcium aluminate product(s) in a minimum of 300 manholes or structures.
 - 3. Epoxy Lining - Successful installation of specified epoxy resin-based lining system(s) in a minimum of 300 manholes or structures.
- B. For each specified product, the Contractor shall have completed at least three projects applying the specified product to a minimum of 25 manholes or structures. These projects must have been completed within the past three years. Projects currently under construction will not be considered.

- C. Staff Experience: The Contractor must meet the minimum experience requirements stated below and be certified in the specified product.
1. The Contractor shall provide the Owner certification from the lining material manufacturer that the Contractor's personnel have been trained in the application of the specified product.
 2. The Field Supervisor shall have successfully installed the specified lining product in a minimum of 100 manholes/structures, and shall be a certified applicator of the Manufacturer's product. The Supervisor shall have successfully completed three projects utilizing the specified product and have demonstrated experience in supervising vacuum testing procedures. The approved Field Supervisor shall be on-site during the execution of all phases of the work including prep work and vacuum testing.
 3. The Applicator shall be certified and trained in the application of the Manufacturer's product. The Applicator shall have a minimum of two year's experience or three projects applying the manufacturer's product.

1.03 STORAGE, HANDLING AND PROTECTION

Care shall be taken in shipping, handling and storage to avoid damaging the lining materials. Any lining product damaged in shipment, showing deterioration, or which has been exposed to any other adverse storage condition that may have caused damage, even though no such damage is evident, shall be marked as rejected and removed at once from the job site. While stored, the lining products shall be adequately packaged, protected and stored in accordance with the manufacturer's recommendations.

1.04 SUBMITTALS

- A. The Contractor shall submit product data for all products to be installed under this section of the Specifications.
- B. The Contractor shall submit evidence of meeting the requirements of Article 1.02 above.
- C. The Contractor shall provide bond strength data on the cured cementitious lining based on ASTM test methods referenced in this Specification
- D. The Contractor shall provide test data on shrinkage of the cured cementitious lining based on ASTM test methods referenced in this Specification.
- E. The Contractor shall submit complete shop drawings of the manhole lining and sealing system(s) to demonstrate compliance with these Specifications, materials and detailed installation procedures. Testing procedures and quality control procedures shall also be submitted. Certifications that the lining system was manufactured in accordance with these Specifications and the applicable ASTM standards shall be submitted with each material shipment.

1.05 WARRANTY

The Contractor shall warrant all work and materials, excluding surface restoration, installed under this Section of the Specifications for five (5) years from the date of final acceptance.

PART 2 - PRODUCTS

2.01 CEMENTITIOUS LINING

- A. The cementitious lining system shall be pumpable Portland-based cement or fused calcium aluminate cement. The lining shall be applied via low-pressure spray or trowel application only. The materials shall be suitable for all specified design conditions. The final product shall not deteriorate, corrode, or lose structural strength in any manner.
- B. The cementitious lining shall be installed on manhole benches, inverts and walls unless otherwise directed by the Owner.
- C. The cementitious manhole lining system shall be a monolithic system suitable for use as a trowel or sprayed-on resurfacing in sewer manholes.
- D. The materials used in the cementitious lining systems shall be mixed on-site according to the manufacturer's recommendations. Water shall be added to the materials only during the mixing process and prior to material pumping or spray application. No water shall be added at the nozzle.
- E. The cementitious liner, when cured, shall have the following minimum characteristics at 28 days as measured by the applicable ASTM standards referenced in this Specification:
 - 1. Minimum compressive strength of 6,000 psi.
 - 2. Minimum bond strength of 130 psi.
 - 3. Shrinkage of less than 0.05%
- F. The cured cementitious lining shall be continuously bonded to all brick, mortar, concrete, chemical sealant, grout, pipe and other substrates inside the manhole.
- G. Chemical sealants or grouts used to seal active manhole leaks, patch holes or cracks, fill voids and to otherwise prepare the manhole surface for lining shall be suitable for wastewater system service and chemically resistant to any chemicals or vapors normally associated with domestic wastewater installations.
- H. Cementitious linings shall be compatible with existing thermal conditions in the manhole. Manhole surface temperatures will range from 15 to 100 degrees Fahrenheit.

2.02 EPOXY RESIN-BASED LININGS

- A. Epoxy resin-based liners shall be 100% solids by volume, be volatile organic compound (VOC) free and shall conform to the minimum physical properties listed in the following table:

Compressive Strength	ASTM D695	10,500 psi
Tensile Strength	ASTM D638	7,000 psi
Flexural Strength	ASTM D790	12,000 psi
Flexural Modulus (Initial)	ASTM D790	730,000 psi
Density		87 ± pcf
Bond		Exceed tensile strength of substrate

- B. The structures lined with epoxy resin-based liners shall be resistant to corrosion caused by:
1. Hydrogen Sulfide
 2. 20% Sulfuric Acid
 3. 17% Nitric Acid
 4. 5% Sodium Hydroxide
 5. All common constituents normally associated with sanitary sewer environments
- C. The finished liner shall have long-term (50-year) flexural modulus of elasticity value of 500,000 psi and shall be certified by independent third-party testing.
- D. Epoxy resin-based linings shall be compatible with existing thermal conditions in the manhole.
- E. The final product shall not deteriorate, corrode, or lose structural strength in any manner.
- F. The system shall be designed to operate at ambient temperatures up to 140 degrees Fahrenheit with excellent abrasion resistance.

2.03 LEVEL A LINING SYSTEM

- A. The Level A Lining System shall be a cementitious lining system applied to achieve a one-inch finished thickness and shall be one of the following products:
1. MS-2A by Strong Seal Systems
 2. QM-1s Restore by Quadex
 3. Permacast MS-10,000 or CR-5000 by APM, Inc.
 4. PerpetuCrete MSC™ by Protective Liner Systems

5. Mainstay ML-72 Restoration Mortar by Madewell Products Corp.
6. Substrate Surfacers No. F-121FBR by Sauereisen
7. MSM™ by AW Cook

2.04 LEVEL B LINING SYSTEM

- A. The Level B Lining System shall be used where hydrogen sulfide risk has been identified by the Owner.
- B. The Level B Lining System shall be a cementitious lining system applied to achieve a minimum one inch finished thickness and shall be one of the following products:
 1. MS-2C or High Performance Mix by Strong Seal Systems
 2. Alumaliner by Quadex
 3. Permacast MS-10,000 or CR-5000 with Conshield by APM, Inc.
 4. Sewpercoat® by LaFarge Calcium Aluminates
 5. Mainstay ML-CA as manufactured by Madewell Products Corp.
 6. SewerSeal No. F-170 by Sauereisen
 7. CSM™ by AW Cook
 8. Reliner MSP® by Standard Cement Materials, Inc.
 9. GeoSpray™ by GeoTree as installed by IWPC, Atlanta, GA
 10. PerpetuCrete MSC™ by Protective Liner Systems

2.05 LEVEL C LINING SYSTEM

- A. The Level C lining system shall be an epoxy resin-based lining system applied with a minimum 250 mil (1/4-inch) finished thickness and shall be one of the following products:
 1. Spraywall or Sprayshield by Sprayroq, Inc.
 2. S-301 Epoxy Spray System by Warren Environmental, Inc.
 3. Dinjer SG Mastic by Pilgrim Permocoat Inc.
 4. SpectraShield Liner Systems by Spectra Tech

5. Raven 405 by Raven Lining Systems
 6. ShureFlex® by Sherwin-Williams
 7. DS-5 Mainstay Lining System by Madewell Products Corp.
 8. PerpetuCoat M™ or SLS™ by Protective Liner Systems
 9. Structure-Guard® by Quadex
- B. Level C-2 Lining System shall be a Level A Lining System product applied with a minimum 3/4-inch finished thickness followed by a minimum 100 mil topcoat of epoxy. Acceptable epoxy topcoats shall be one of the approved Level C Lining System products listed above.

2.06 MANHOLE STEPS

- A. The manhole steps shall conform to ASTM Specification C478. Steps shall be Plastic Steps by M.A. Industries, Inc., or equal.

PART 3 - EXECUTION

3.01 GENERAL

- A. The Contractor will be responsible for locating and accessing all manholes.
- B. The Contractor shall notify all property owners who discharge sewage directly into the manhole being rehabilitated at least 48 hours in advance, giving the date, starting and estimated completion time for the work being conducted and any anticipated impact to the property owner. Notification shall consist of a door hanger and/or letter. A sample of the proposed door hanger or letter shall be submitted to the Owner for review and approval.
- C. The Contractor shall divert sewage flows around the manhole being rehabilitated while the work is being performed. Refer to Section 02750 of these Specifications for bypass pumping requirements. A detailed flow diversion plan shall be submitted to the Owner 48 hours in advance for approval before any work shall take place.
- D. Covers or plugs shall be placed over all pipe openings to prevent any material from entering the wastewater collection system.
- E. Traffic Control: The Contractor shall be responsible for traffic control during the course of each phase of the work. A Cobb County Department of Transportation (CDOT) Utility Permit shall be required for all partial and full lane closures. Road closures and / or detours shall require a CDOT Road Closure Permit. Contractor shall submit a traffic control plan to the Owner a minimum of two weeks prior to partial or full lane closures and a minimum of four weeks prior to a road closure along with other pertinent information needed for the associated permit application. The Owner will submit the permit application to CDOT. The traffic control plan shall

conform to CDOT requirements and be in conformance with the Manual on Uniform Traffic Control Devices for Streets and Highways. The Contractor shall install and maintain traffic control compliant with the approved permit, including but not limited to, trained and properly equipped flagmen to safely control all traffic through the work zone(s). It is the Owner's intent that this work be accomplished with as little disturbance to traffic, private property, and the public as is reasonably possible, consistent with timely completion thereof.

3.02 SURFACE PREPARATION (ALL LEVELS)

- A. The Contractor shall clean each sewer manhole to be restored and shall remove and properly dispose of any debris or resulting material. Cleaning shall be performed using a high-pressure jet wash at a minimum of 3,500 psi water pressure to remove all dust, biological growths, grease, oils or any other surface contaminants or coatings.
- B. The Contractor shall immediately notify the Owner of any coatings that cannot be removed or substrates which cannot be cleaned and, upon the approval of the Owner, may use a blast abrasive in these area(s) to rough up the surface sufficient to obtain and ensure adequate bonding of the liner. Roots shall be removed by manually cutting them from inside the manhole.
- C. The Contractor shall conduct a visual inspection of each manhole after it is cleaned. All active hydrostatic leaks shall be plugged or sealed with an appropriate grout compatible with the cementitious lining. Injection grouting may be required to seal active leaks including existing leaks in invert channels and benches. Any loose grout at pipe penetrations shall be removed and replaced. All loose mortar and rubble of existing benches, walls, inverts and manhole steps shall be removed.
- D. The Contractor shall bring to the attention of the Owner those manhole steps which are in poor condition. The Contractor shall remove and replace manhole steps as directed by the Owner.
- E. The Contractor shall prepare the manhole to receive lining as necessary by reshaping and repairing benches, inverts and walls where required including smoothing out irregular shaped corbel and chimney sections prior to any spray application. All interior surfaces shall be prepared as recommended by the lining system manufacturer. Minimum requirements of the Specification are as follows:
 - 1. All cracks and voids must be repaired and filled with suitable non-shrinking cements, sealants or grouts, including all voids between existing sewer pipes and manhole walls. All patch repairs shall be smooth and even with the manhole wall.
 - 2. All voids around existing manhole rungs, steps and anchors shall be filled.
 - 3. All surfaces shall be suitably prepared for the required bonding of the liner as recommended by the manufacturer and acceptable to the Owner.

- F. Prior to lining, the Owner shall inspect and approve the surface preparation work. The Contractor shall notify the Owner when the manholes are ready for inspection. The manhole lining shall be performed immediately after the Owner's inspection or the manhole may need to be re-cleaned prior to lining application to remove accumulated debris on walls and benches.

3.03 LINING INSTALLATION REQUIREMENTS (LEVEL A, B AND C)

- A. The Contractor shall install the lining system designated on the Drawings for each manhole or as otherwise directed by the Owner. The installation shall be done in accordance with the manufacturer's recommendation, applicable ASTM standards, and this specification.
- B. The Drawings indicate whether the entire manhole height or a portion of the manhole height is to be lined with a note of "Complete" or "Partial" designation, respectively. If the "Partial" designation is provided, the liner shall be installed from the invert of the outgoing sewer to the partial height indicated on the Drawings.
- C. Manhole lining shall not be installed until all the required sewer line rehabilitation and/or other manhole repair work is completed.
- D. Manhole walls and benches shall be monolithically coated to the required thickness by spray-on methods in a single pass or application. Sprayed cementitious linings shall be troweled smooth after application.
- E. All invert channels shall be coated with grout or cementitious mortar to build up the invert to the invert elevations of new liner pipes (if applicable and as directed by the Owner); to fill all cracks, voids, holes, etc.; and to form a smooth flow channel. The entire channel shall be coated with the channel coating being a minimum ¼-inch thick.
- F. A complete watertight seal shall be provided at the pipe and manhole wall connections. The Contractor shall submit details of how watertight connections shall be made to the Owner for approval prior to performing any work.
- H. Application of the spray applied material must be completed in one mobilization in order to minimize the disruption and cost of bypass pumping, pipeline plugging, traffic control and other ancillary services.
- I. The finished manhole may be returned to service immediately upon completion of the spray application.
- J. Appropriate personal protection equipment shall be used with supplied air being utilized to the spray technician and other personnel in direct contact with the spray environment.
- K. The spray shall be applied so that the entire structure receives a structurally sound, monolithic liner. The finished invert surfaces shall be smooth, free of ridges and bumps and will be sloped in the direction of flow. Special care shall

be taken to ensure a smooth transition between the new manhole invert and intersecting pipeline inverts so that flow will not be impaired.

- L. The cured surfacing thickness shall be smooth, even (without ridges or bumps) and continuous with proper sealing connections to any non-rehabilitated areas.
- M. The monolithic lining shall completely cover the interior of the existing manhole including the benches and invert unless otherwise directed by the Owner. The lining shall effectively seal the interior surfaces of the manhole and prevent any penetration or leakage of ground water infiltration.

3.04 ADDITIONAL REQUIREMENTS FOR EPOXY RESIN-BASED LINING (LEVEL C)

- A. Application of the liner shall not be made unless the ambient temperature inside the structure is 50 degrees F or higher and expected to be the same or rise during the next 72 hours.
- B. The liner shall be manually sprayed to all surfaces by a factory-certified, trained technician experienced in the application of a spray applied resin.
- C. No other products such as grouts, cements or sealants may be considered as part of the structural restoration; however, said products may be used as part of the repair and surface preparation process as specified in Section 3.02 of these Specifications.
- C. The wall of the Level C liner shall be structurally designed to withstand the hydraulic load generated by the groundwater table and to restore structural integrity.

3.05 PRECAUTIONS

- A. The Contractor shall take all necessary precautions to ensure that water used does not flood property or buildings served by the manhole being cleaned.
- B. No fire hydrant shall be obstructed by the Contractor's equipment or vehicles.
- C. The Contractor shall take all necessary precautions to protect the manholes from damage that might be caused by use of cleaning equipment and shall repair, at no cost to the Owner, any damage caused by the Contractor's negligence in the cleaning operation.
- D. The Contractor shall provide, operate, maintain and subsequently remove on completion, adequate ventilation apparatus in the form of blowers and/or fans. The ventilation apparatus shall introduce a fresh air supply to support a safe environment for work in sewers, manholes and all other confined spaces. Work areas shall be kept free from dangerous, toxic and/or explosive gases, whether generated from sewage, soil strata or other sources.
- E. The Contractor shall employ the "best practicable means" to minimize and mitigate noise as well as vibration resulting from operations. Mitigation measures shall

include the utilization of sound suppression devices on all equipment and machinery particularly in residential areas and in the near vicinity of hospitals and schools, especially at night. Local noise ordinances shall be met.

- F. The Contractor shall inform the Owner before the commencement of any portion of the work of any significant change in the methods of noise attenuation from those previously utilized.
- G. All pumps, generators, combination cleaners or other noise emitting equipment be shall be suitably screened to minimize nuisance and noise pollution. This requirement shall not be taken as preventing or prohibiting the execution of work necessary for the saving of life, protection of property, or safety of the personnel and/or facilities. The Contractor shall notify the Owner of such use of equipment in an emergency situation as soon as practicable.
- H. Contractor shall take all necessary precautions for safe installation and removal of flow attenuation devices such as plugs.

3.06 ACCEPTANCE TESTING

A. Field Acceptance

- 1. Field acceptance of manhole lining shall be based on the Owner's field inspection and evaluation of the appropriate installation and curing test data. The lining shall provide a continuous monolithic surfacing with uniform thickness throughout the manhole interior. If the thickness is not uniform or is less than specified, it shall be repaired or replaced at no additional cost to the Owner.
- 2. If the Owner has to enter the manhole to inspect the work, the Contractor shall provide forced air ventilation, gas monitors, harnesses, lights, confined space entry, etc. for the Owner to enter the manhole and perform the inspection in strict and complete accordance with OSHA requirements at no additional cost to the Owner.

B. Cementitious Test Samples

- 1. Samples shall be taken of the installed liner each day that the cementitious lining is installed in the following manner:

Quantity of Manholes Lined in One Day	Quantity of Samples Required
1 – 5	1
6 – 10	2
11 – 15	3
16 or more	4

- 2. Samples shall be taken at equally spaced intervals throughout the workday. The frequency of tests may be increased by the Owner and performed by

the Contractor at no additional cost to the Owner when the required tests indicate that the installed lining does not meet the Specification.

- C. Cementitious Lining Strength and Bonding Testing Procedures: Samples shall be cube samples. A minimum of six cubes shall be taken for each sample testing. The samples shall be tested in accordance with the applicable ASTM standards, including ASTM C109, to verify that the installed liner meets the compressive strength requirements specified herein and the lining manufacturer's published product data. Tests shall include 7-day and 28-day strength tests (3 cubes for each time period per sample). Shrinkage and bond strength tests shall be performed on each batch or lot of material shipped to the Contractor. Testing shall be performed by an independent laboratory with all associated costs paid by the Contractor. The test results shall be submitted to the Owner immediately when available and no later than 30 days after lining installation.
- D. Vacuum Testing
1. All manholes shall be vacuum tested when all manhole rehabilitation is completed. Manholes shall not be tested until at least 7 days after installation of lining.
 2. Vacuum testing shall be performed in accordance with ASTM C1244 with all associated costs paid for by the Contractor and included in the bid price for manhole lining.
 3. The Owner shall be present for all testing. The Contractor shall notify the Owner 48 hours prior to testing.
 4. The Contractor shall submit test reports of the testing which include: the project name, manhole tested, testing data (vacuum pressure, duration of test, etc.) and whether the manhole passed or failed the test. Test reports must be submitted citing the reason for failure noted on the report.
 5. Any manhole failing the test shall be repaired and retested immediately by the Contractor at no additional cost to the Owner.
- E. Spark Arrestor (Holiday) Testing – Epoxy Resin-Based Manholes Only
1. All epoxy resin-based manhole linings shall be spark tested by the Contractor prior to being placed in service. Spark testing shall be required of the entire surface area of the manhole (field and joint) and shall be conducted in accordance with the liner system manufacturer's recommendations.
 2. Results of the spark tests will be logged in duplicate and a copy of this log submitted to the Owner.

3. Equipment systems used to perform spark testing shall be compatible with the materials to be tested. Spark testing equipment shall provide a visual as well as audible indicator to identify pinholes or splits in the liner system.

F. Finished Lining Systems

1. There shall be no groundwater infiltration or other leakage (active or previously active) through the manhole walls, benches, inverts or pipe connections at the manhole after it has been lined.
2. If leakage is detected, it shall be eliminated with an appropriate, grout or sealant as recommended by the manufacturer, coated with epoxy or approved level C lining material and approved by the Owner at no additional cost to the Owner. Injection grouting may be required to stop leaks around or in invert channels, pipe connections and benches.
3. The Owner's decision regarding acceptable repair methods for defective linings shall be final. If any lining is found to be defective after it has been installed or during the warranty period, it shall be repaired or replaced in a manner satisfactory to the Owner and at no additional cost to the Owner.

END OF SECTION

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ATTACHMENT NO. 3

**COBB COUNTY WATER SYSTEM
APPLICATION FOR PREQUALIFICATION
FOR MANHOLE REHABILITATION**

The following requirements are included in each construction contract issued by the Cobb County Water System as Section 00750 of the Contract Documents. The Applicant must provide evidence of coverage and applicable endorsements at the time the contract is executed. Note that the need for Builder's Risk coverage will be assessed by the Owner on a project-by-project basis. Section 00750 reads as follows:

**SECTION 00750
INSURANCE REQUIREMENTS FOR CONTRACTORS**

The Contractor shall procure and maintain for the duration of the Contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with performance of the work hereunder by the Contractor, his agents, representatives, employees, or subcontractors.

Attention: The Contractor is advised that certain provisions contained herein require specific endorsements of your insurance policy. Do not assume that your standard policy will be suitable to meet the requirements of Cobb County. The submittal of incomplete or non-conforming documents will delay the execution of the Contract/Agreement and the issuance of the Notice-to-Proceed for the Project.

1. MINIMUM LIMITS OF INSURANCE

- A. Statutory Workers' Compensation Insurance. The statutory limits as established by the General Assembly of the State of Georgia shall be met by Contractor and/or subcontractor. The workers' compensation policy must include Coverage B - Employer's Liability with minimum limits of:

Bodily Injury by Accident - \$1,000,000 each accident

Excess liability coverage may be used in combination with the base policy to obtain these limits. The Contractor shall require all subcontractors, of any tier, performing work under the contract to obtain an insurance certificate showing proof of Workers' Compensation and Employers Liability Coverage or shall certify that the subcontractors are covered by the Contractor's insurance.

- B. Commercial General Liability Insurance. The Contractor shall procure and maintain a Commercial General Liability Insurance Policy covering bodily injury, property damage liability and personal injury. The policy or policies must be on an "occurrence" basis ("Claims Made" coverage is not acceptable) insuring personal injury and property damage against the hazards of premises and operations, products and completed operations, blasting and explosion, collapse, underground damage, independent contractor's and contractual liability (specifically covering the indemnity) and have the minimum limits of liability listed below. The Commercial General Liability policy shall also include contractual

liability coverage. The Commercial General Liability policy must include separate aggregate limits per project. Excess liability coverage may be used in combination with the base policy to obtain the following limits.

Premises and Operations	\$1,000,000 per Occurrence
Products and Completed Operations	\$1,000,000 per Occurrence
Personal Injury	\$1,000,000 per Occurrence
Contractual	\$1,000,000 per Occurrence

- C. Auto Liability Insurance. The Contractor shall procure and maintain a Business Automobile Liability Policy with liability limits of not less than \$1,000,000 per person and \$1,000,000 per occurrence or a policy with a Combined Single Limit of not less than \$1,000,000 covering any owned, non-owned or hired autos. Excess liability coverage may be used in combination with the base policy to obtain these limits. The form of coverage must be as follows and/or cover the following areas:

Comprehensive form covering all owned, non-owned, leased, hired, and borrowed vehicles
Additional Insured Endorsement
Contractual Liability

- D. Commercial Umbrella Liability Insurance. The Contractor shall provide Commercial Umbrella Liability Insurance to provide excess coverage above the Commercial General Liability, Commercial Business Automobile Liability, and the Workers' Compensation and Employers' Liability to satisfy the minimum limits set forth herein. The Umbrella coverage shall follow form with the Umbrella limits required as follows:

\$2,000,000 Combined Single Limits per Occurrence

- E. Builder's Risk Insurance. The Contractor shall secure "All-Risk" type of Builder's Risk insurance covering work performed under the Contract, and materials equipment or other items to be incorporated therein, while the same are located at the construction site, stored off-site, or at the place of manufacture. The policy limit shall be for 100% of the value of the Contract. The policy shall cover not less than losses due to fire, flood, explosion, hail, lightning, weather, vandalism, malicious mischief, wind, collapse, riot, aircraft, smoke or other cataclysmic events, until the date of final acceptance of the work.

The making of progress payments to the Contractor shall not be construed as relieving the Contractor or his subcontractors or the insurance company or companies providing the coverage described herein of responsibility for loss or direct physical loss, damage or destruction occurring prior to final acceptance.

2. OTHER INSURANCE PROVISIONS

The policies are to contain, or be endorsed to contain, the following provisions:

- A. Additional Insured Endorsement – General Liability, Automobile Liability, and Umbrella Liability
1. The “Owner, Construction Manager, Engineer and their respective officers, officials, employees, and volunteers” are to be covered as Additional Named Insureds as respects all liabilities to be insured against by the policies described in Subsections 1.B, 1.C, and 1.D above.
 2. The coverage shall contain no special limitation on the scope of protection afforded to the Owner, Construction Manager, Engineer and their respective officers, officials, employees, or volunteers. Nothing in this paragraph shall be construed to require the Contractor to provide liability insurance coverage to the Owner, Construction Manager, or Engineer for claims asserted against the Owner, Construction Manager, or Engineer for their sole negligence.
 3. The Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
 4. Provide a separate endorsement for each policy, signed by the authorized agent and citing individual policy numbers.
 5. The coverage shall be primary and shall contain no special limitations on the scope of protection afforded to the Certificate Holder/Additional Insured.
 6. Coverage shall be provided on a “pay on behalf” basis, with defense costs payable in addition to policy limits. There shall be no cross-liability exclusion.
 7. In lieu of a separate endorsement, a copy of the declaration page for the Umbrella Liability Policy may be provided, listing the policy numbers for each type of insurance covered by the Umbrella.
- B. Waiver of Subrogation Endorsement – Workers' Compensation and Employers' Liability Coverage
1. The insurer shall agree to waive all rights of subrogation against the Owner, Construction Manager, Engineer and their respective officers, officials, employees, and volunteers for losses arising from work performed by the Contractor for the Owner under the Contract.
 2. Provide a separate endorsement for the policy, signed by the authorized agent and citing individual policy number.
- C. Notice of Cancellation Endorsements – General Liability, Automobile Liability, Umbrella Liability, and Workers' Compensation
1. Each insurance policy shall be endorsed to state that should any coverage be suspended, voided, cancelled or reduced in coverage or in limits, thirty days prior written notice will be given to the Certificate Holder. Notice of cancellation for non-payment of premium shall be not less than ten days.
 2. Provide a separate endorsement for each policy, signed by the authorized agent and citing individual policy numbers.

3. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the Owner, Construction Manager, Engineer and their respective officers, officials, employees, or volunteers.

D. Deductibles and Self-insured Retentions

Any deductibles or self-insured retentions must be declared to and approved by the Owner. At the option of the Owner, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the Owner, Construction Manager, Engineer and their respective officers, officials, and employees; or the Contractor shall procure a bond guaranteeing payment of losses and related investigations, claims administration, and defense expenses.

All deductibles shall be paid by the Contractor.

E. Failure of Insurers

The Contractor is responsible for any delay resulting from the failure of its insurance carriers to furnish proof of coverage in the prescribed form. The summary table shown below in paragraph 4.C can serve as a checklist to confirm the submittal of all required endorsements.

F. Contractor's Property and Equipment

The Contractor is responsible for insuring its own property and equipment.

3. ACCEPTABILITY

- A. The insurance purchased by the Contractor must be issued by a company licensed by the Insurance Commissioner to transact business in the State of Georgia or by a company acceptable to the State if the company is an alien insurer.
- B. Insurance is to be placed with insurers with a Best Policyholders Rating of "A" or better and with a financial size rating of Class VII or greater, or be otherwise acceptable to the Owner.

4. VERIFICATION OF COVERAGE

- A. The Contractor shall furnish the Owner with four original Certificates of Insurance, each with endorsements effecting coverage required by this Section of the Contract Documents. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf.
- B. The insurance certificate must provide the following:
 1. Name and address of authorized agent.
 2. Name and address of insured. Name of insured must appear exactly as shown on Contractor's seal on Contract with Owner.

3. Name of insurance company(ies).
4. Description of policies.
5. Policy number(s).
6. Policy period(s).
7. Name and address of Owner as Certificate Holder (see Subsection D below).
8. Cobb County Water System Program Name and Number.
9. Signature of authorized agent.
10. Telephone number of authorized agent.

C. The required endorsements to be submitted are summarized in the following table:

ENDORSEMENT SUMMARY TABLE

Type of Insurance	Endorsement
General Liability	Owner, etc. as Additional Insured
General Liability	Notice of Cancellation
Automobile Liability	Owner, etc. as Additional Insured
Automobile Liability	Notice of Cancellation
Umbrella Liability	Owner, etc. as Additional Insured ¹
Umbrella Liability	Notice of Cancellation ¹
Workers' Compensation	Waiver of Subrogation
Workers' Compensation	Notice of Cancellation

¹Declarations pages may be submitted for Umbrella policies.

D. The Certificate Holder must be shown as:

Cobb County, Georgia
 Attention: Cobb County Water System
 Engineering & Records Division
 660 South Cobb Drive
 Marietta, GA 30060-3105

E. The certificates and endorsements naming additional insureds and indicating required waivers are to be submitted with the executed Agreement/Contract and Performance and Payment Bonds, for approval by the Owner before work commences. The Owner reserves the right to require the submittal of complete, certified copies of all required insurance policies at any time.

5. SUBCONTRACTORS

Contractor shall include all subcontractors as additional insureds under its policies or shall furnish separate certificates and endorsements for each subcontractor. Coverage for subcontractors shall be subject to all of the requirements stated herein. Owner may request evidence of subcontractor's insurance. Contractor shall ensure that all subcontractors comply with the insurance requirements and provisions of this Section.

END OF SECTION

ATTACHMENT NO. 4

**COBB COUNTY WATER SYSTEM
APPLICATION FOR PREQUALIFICATION
FOR MANHOLE REHABILITATION**

COBB COUNTY POLICY ON PRE-QUALIFICATION OF CONTRACTORS

The following four pages entitled “Final Adopted Version – July 12, 2005, Policy on Pre-qualification of Contractors” is Cobb County’s current contractor prequalification policy, as adopted by the Board of Commissioners on July 12, 2005.

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FINAL ADOPTED VERSION -JULY 12, 2005
POLICY FOR PRE-QUALIFICATION OF CONTRACTORS

PURPOSE AND SCOPE

To provide direction and policy for the prequalification of general contractors (involving multiple subcontractors) for Cobb County facility and building construction or renovation projects, Cobb County Water System water and sewer line contractors, and for Department of Transportation projects to allow the selection of the most qualified and most responsible construction contractors at the best price for County projects. When utilized, this policy will eliminate repeating the process of determining qualifications of contractors each time a project is needed. Prequalification is most practical for those services which are sought on a regular and frequent basis and where the nature of the scope of work for which future services will be sought is sufficiently standardized to allow the necessary qualifications to be determined and evaluated separately from a specific scope of work. This policy is not intended to preempt the County from choosing to pre-qualify contractors on a project by project basis, particularly where related experience on a large and/or highly specific project may be more important than price. Any provision in this policy that is or may become in conflict with controlling state law, shall be deemed null and void.

A. GENERAL POLICY

- 1) Under a prequalification process, firms will be asked to respond to a Request for Qualifications ("RFQ") which has been developed for a particular type of construction services. The qualifications submitted by each firm in response to the RFQ will be evaluated by a Review Committee(s) (the "Committee") appointed by the County Manager. The Committee will make a recommendation to the Board of Commissioners as to whether a firm should be included on a list of approved firms to perform the particular type of construction services. No RFQ will be accepted or considered from a firm having a pending citation for violating any provision of The Official Code of Cobb County, Georgia as of the deadline for submitting the RFQ. This policy shall extend to any member, officer, partner, subsidiary or affiliate thereof. This exclusion shall extend to a firm which incurs a pending citation after submitting an RFQ but before recommendation is made to the Board of Commissioners, if the citation remains pending at such time.
- 2) Multiple lists of qualified firms may be created by the Board of Commissioners when there is a sufficient degree of variance in size, type, and/or difficulty of scope of work or services to be rendered. This allows qualified firms of all sizes to have the opportunity to provide services to Cobb County. Multiple lists of qualified firms may also be created by the Board of Commissioners for each individual County department that is responsible for implementing construction projects covered by this policy.
- 3) A firm may be removed from any approved list by the Board of Commissioners pursuant to paragraph B, section 8 of this Policy if it performs unsatisfactorily, becomes financially unstable, regularly fails to submit bids on County projects, or for any other

FINAL ADOPTED VERSION -JULY 12, 2005
POLICY ON PRE-QUALIFICATION OF CONTRACTORS

reason deemed to be in the best interest of the County. Additionally, upon the recommendation of the Agency Director of Cobb County Community Development, a firm may be removed from any approved list by the Board of Commissioners which has a pending citation for violating any provision of the Official Code of Cobb County, Georgia (including any member, officer, partner, subsidiary, or affiliate thereof). Removal pursuant to this authority shall not be subject to the provisions of Section 8 hereof.

- 4) Unless extended pursuant to the terms of this Policy, every two (1) years the existing lists will be abandoned and the pre-qualifying process will begin anew.

B. PRE-QUALIFICATION PROCESS:

- 1) Prequalification shall be used as the first step of the competitive selection process for selection of contractors to identify eligible contractors for covered projects.
- 2) The lists of pre-qualified contractors will be developed every two (2) years through a competitive, advertised proposal response process. Advertisement for RFQ's will be for four (4) consecutive weeks, or as provided by law, and will be published in the legal organ of the County.
- 3) The RFQ's will be prepared by the Committee(s). The RFQ will request information concerning the contractor's experience, staff experience, staff qualifications, previous work experience, financial stability (including bonding capacity and insurance), references, conflicts of interest, location of established office in the metro Atlanta area, and other pertinent information. These criteria will be used by the Committee(s) to evaluate the capability of the contractor to perform.
- 4) Contractors who are not on a pre-qualified list and who wish to be pre-qualified during the two (2) year period may submit a response in compliance with the original Request for Qualifications at any time during the two (2) year prequalification period. If necessary, at the end of each calendar quarter, the Committee(s) will review all interim applications received during such quarter. The applicable quarters end on January 1, April 1, July 1 and October 1 of the first year and January 1, April 1 and July 1, of the second year of the prequalification period, unless extended in which event the same schedule of quarters for the first year shall apply. In order for an interim application to be considered in a particular quarter it must be received by the Purchasing Department before 5:00 p.m. on these dates. Should any date referenced within this paragraph fall on a Saturday, Sunday or County Holiday, the deadline for submission of responses shall be 5:00 p.m. on the first County workday following said dates. Approved prequalification of all contractors shall expire at the end of the two (2) year period, whether approved at the beginning or during the prequalification period. Any pre-qualified list may be extended beyond the two year period upon approval by the Board of Commissioners.
- 5) On all construction or renovation projects anticipated to exceed \$100,000 or any other amount which may be specified by State law or Cobb County ordinance, there shall be an advertisement for bids in the local organ and/or the internet for four (4) consecutive weeks requesting bids only from contractors on the appropriate pre-qualified list(s). Bids received for construction projects covered under this policy from contractors not on a

FINAL ADOPTED VERSION -JULY 12, 2005
POLICY ON PRE-QUALIFICATION OF CONTRACTORS

pre-qualified list will be rejected and returned unopened. Bids will be awarded to the lowest responsive bidder.

- 6) On all construction or renovation projects anticipated to exceed \$25,000, acceptable performance and payments bonds, as defined in the Invitation to Bid for each respective project, shall be required to be submitted to the County after the contractor has been provided notice of award but prior to the County execution of the contract and issuance of notice to proceed. If any applicable law requires bonds for lesser valued projects, that law will control.
- 7) The department responsible for the construction project will evaluate the contractor's performance at the end of each project to determine their eligibility to remain on the pre-qualified list. Evaluation criteria will include but not be limited to the contractor's ability to meet the construction schedule and work within the construction budget; the quality of work; analysis of change orders; administration of the construction project (pay requests, etc.); and the manner with which the contractor works with the architect and county staff.
- 8) A contractor may be removed from the prequalification list at any time based on failure to perform satisfactorily, misrepresentation of qualifications, failure to respond to three consecutive Invitations to Bid, financial instability, or for other reasons deemed to be in the best interest of the County. Notice to the contractor in writing stating reasons for recommended removal will be given by the County.

The contractor recommended to be removed from the list must be notified in writing thirty (30) calendar days prior to the effective date of removal. The notice must outline the reasons for the recommendation and offer the opportunity for the contractor or the contractor's representative to meet with the Committee and provide evidence that the reasons for removal are not valid. The Committee will hear the evidence and decide whether the proposed removal is justified. If the Committee does not reverse its recommendation for removal, the recommendation will be forwarded to the Board of Commissioners.

The contractor will have the right to appeal the decision of the committee to the Board of Commissioners within thirty (30) calendar days of the date of the Committee's decision. The appeal must be filed with the County Clerk. If an appeal is not timely filed, the committee may request the Board remove the contractor.

Notwithstanding the above, the County may abandon its pre-qualification policy at anytime and the pre-qualified lists shall become null and void. Additionally, nothing contained in this Policy shall serve to create any vested right or property interest with regard to any person or entity being on a pre-qualified list, and no due process shall apply.

- 9) Board of Commissioners' authorization is required to add or delete any contractor from any pre-qualified list. Recommended additions to the list of pre-qualified firms will be presented to the Board of Commissioners on an as needed basis.

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C. PRE-QUALIFIED LISTS

Pre-qualified lists of general contractors will be developed and maintained by the Purchasing Department for the following categories:

1. **PROPERTY MANAGEMENT** - General Building Construction and Renovation Projects administered by the Property Management Department
 - a. Covered projects valued at greater than \$250,000 but less than \$1,000,000
 - b. Covered projects valued between \$1,000,000 and \$10,000,000
 - c. Covered projects valued \$10,000,000 and greater

2. **PARKS, RECREATION AND CULTURAL AFFAIRS** Non-Building, Sports or Recreational Facility Construction and Renovation Projects administered by the Parks, Recreation and Cultural Affairs Department
 - a. Covered projects valued at greater than \$250,000 but less than \$1,000,000
 - b. Covered projects valued between \$1,000,000 and \$10,000,000
 - c. Covered projects valued \$10,000,000 and greater

3. **WATER SYSTEM** -Water and sewer line contractors shall be developed and maintained by the Water System for the following categories:

Water and Sewer line projects -All projects regardless of size or value

4. **DEPARTMENT OF TRANSPORTATION** - All Department of Transportation projects.

While DOT does not pre-qualify its contractors for County-funded projects, Department of Transportation may utilize the Georgia Department of Transportation pre-qualified contractors list for projects utilizing state and/or federal funds.

5. **OTHER PROJECTS** - The County reserves the right to pre-qualify any project of a more complex or special nature on an individual project basis.