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Rehabilitation of the 102-Inch Anacostia Trunk Sewer (Phase II)

Pipeline Design Division

Lawrence Cumberbatch, Project Manager

Owner Advisor Team

April 16, 2026

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Agenda

1. Team Introductions
2. Project Objectives
3. Project Overview
4. Keys to Success
5. Project Compliance
6. Questions

Strategic Plan for

Our Smart One Water Future

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Vision

In every home, in every business, we make everything possible by ensuring access to dependable and safe water for everyday life.

Promise

Continue the legacy of treasuring our water, customers and employees through dedicated service for current and future generations.

Smart One Water Mission

WSSC Water ensures all communities thrive by ethically delivering safe, reliable and sustainable water and wastewater services.

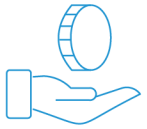
Values

Just. Accountable. Caring. Community Focused. Excellent. Trustworthy.

Strategic Priorities

Workforce Development

Culture Shift



Affordability & Financial Viability

Sustainability & Resiliency

Asset Management & Infrastructure Reliability

Optimizing Operations

Customer Engagement & Partnerships

Digital Transformation

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Team Introductions

Team Introductions

Pipeline Design Division

Lawrence Cumberbatch, Project Manager
Derrick Clark, Administrative Contract Manager

The Owner's Advisory (OA) Team:

The Wilson T. Ballard Company
GFT Infrastructure, Inc.
Phoenix Engineering, Inc.
Coastal Resource, Inc.
AB Consultants, Inc.

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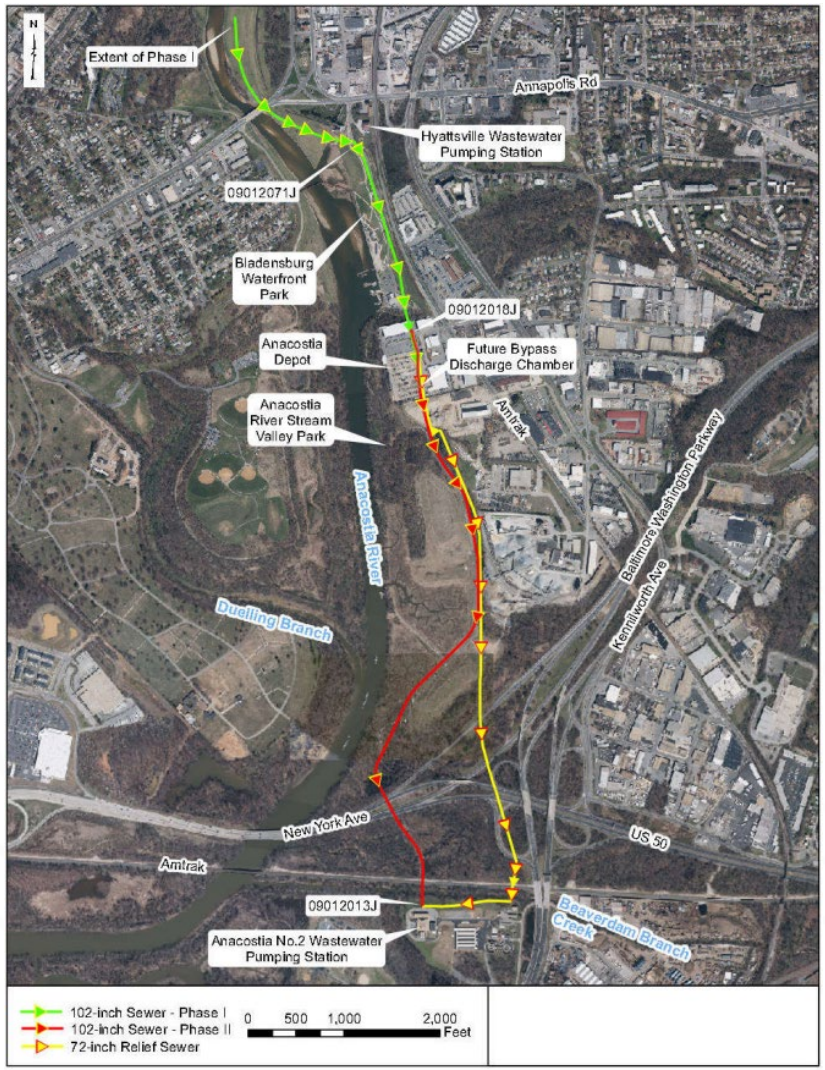
Project Overview

Condition Assessment History

- Previous condition assessments of the 102-inch ATS:
  - Revealed corrosion of pipe walls – surface spalling and exposure of interior reinforcement
  - Reported high risk of failure between manholes 09012071J and 09012018J

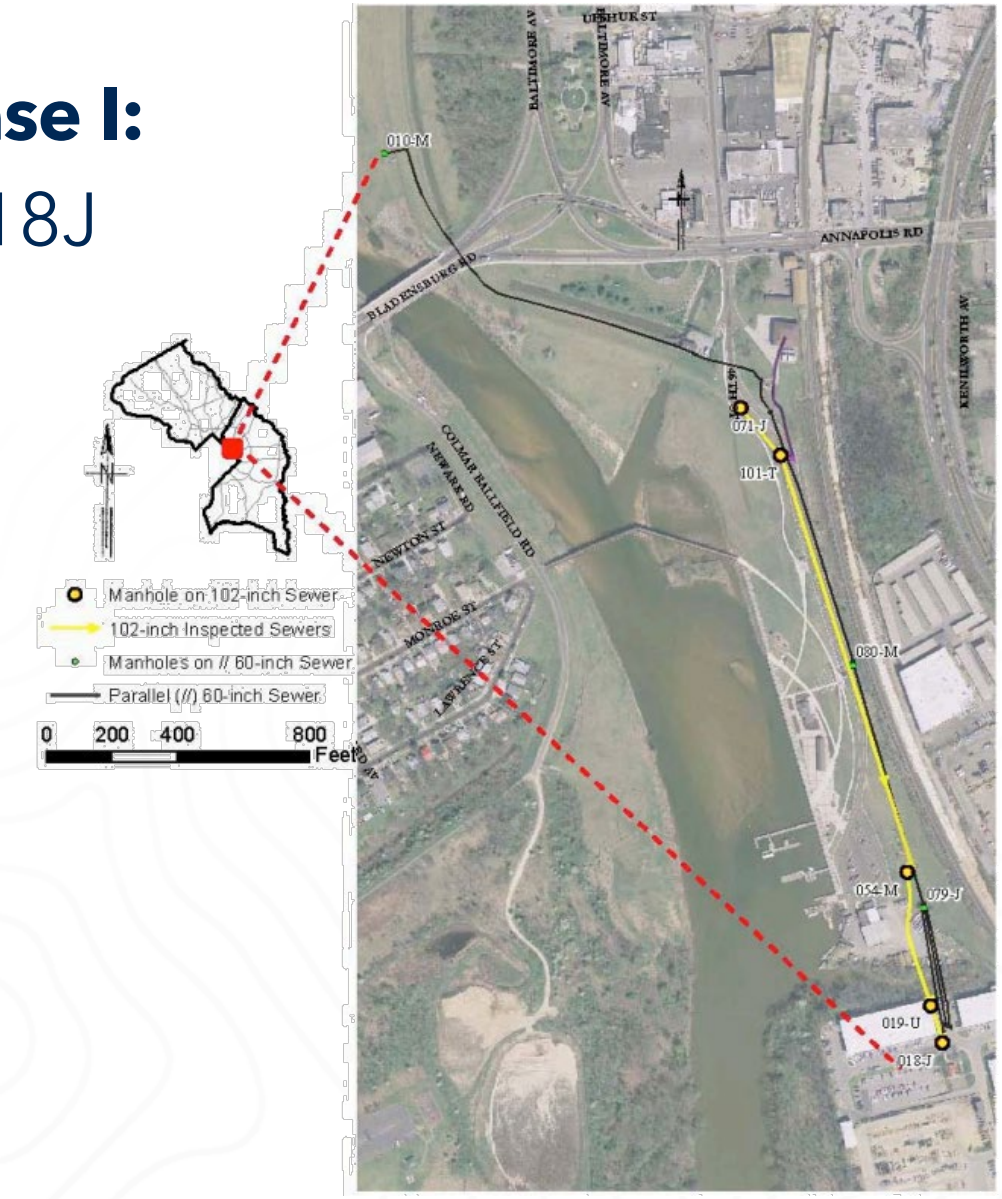
- Assessment results drove need for phased approach to ATS rehabilitation:
  - Phase I – northern section with highest risk - COMPLETED
  - Phase II – southern section to be completed



Phase I Overview

Rehabilitation of the 102-inch ATS Phase I:

- From manhole 09012071J to 09012018J ~2,064 LF
- Included portion of 96-inch sewer upstream 09012071J – 126 LF
- Completed November 2022



Phase II Overview

Rehabilitation of the 102-inch ATS Phase II:

- From manhole 09012018J to 09012013J
- Comprised of ~6,620 LF of RCP sewer
- Connection to 30-inch RCP Dueling Creek trunk sewer with 36-inch branch
- Cleaning and evaluation of parallel 60- and 72-inch Relief Sewer, if required

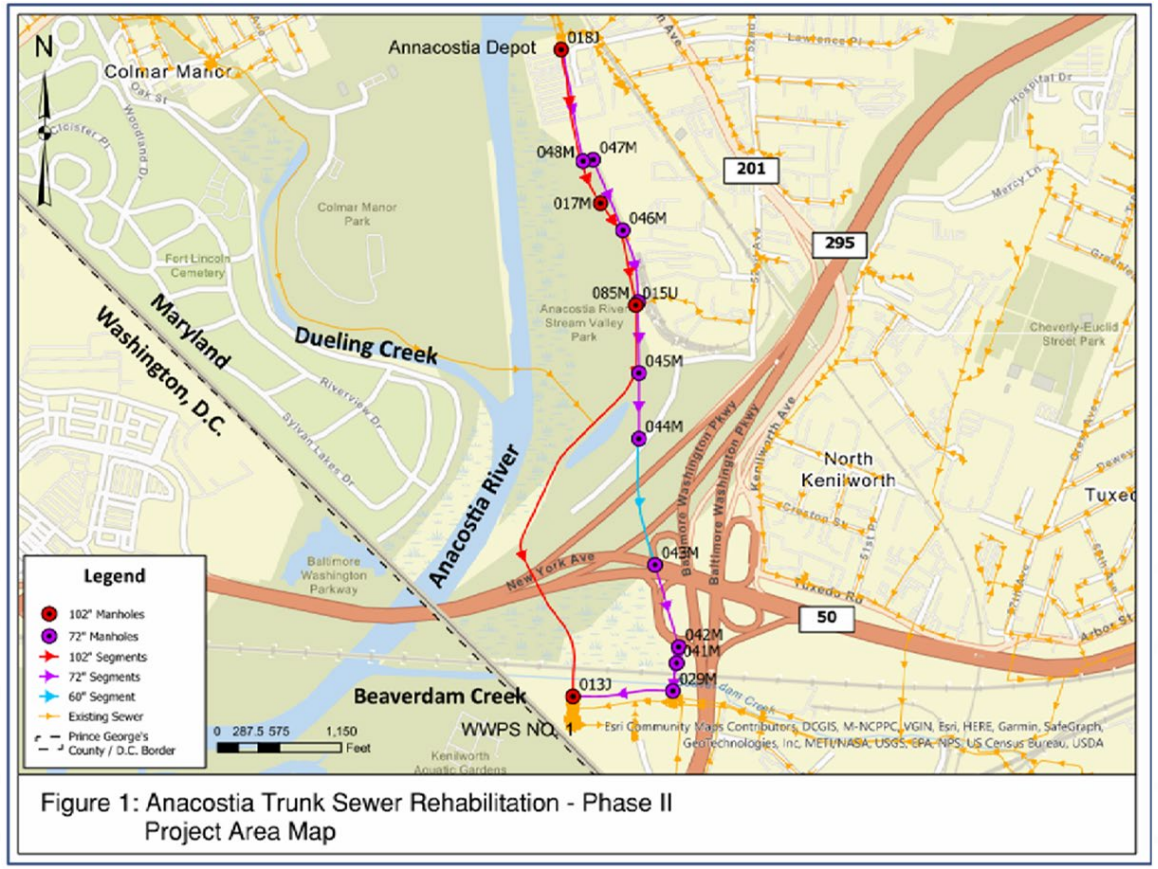


Figure 1: Anacostia Trunk Sewer Rehabilitation - Phase II Project Area Map

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Project Objectives

The Wilson T. Ballard Company & GFT Infrastructure, Inc.

Project Objectives

- Collaborative partnership through Progressive Design-Build (PDB)
- Rehabilitation of the existing 102-inch Anacostia Trunk Sewer (ATS) between manholes 09012018J and 09012013J, approximately 6,620 LF
- Cleaning and evaluation of the 60/72-inch Relief Sewer from 09012045U to 09012013J, approximately 3,940 LF, if required
- Risk identification and monitoring
- Address/manage elements that may impact construction cost or schedule
- Rehabilitation methodology meets ATS capacity, operation, maintenance, and reliability requirements
- Obtain guaranteed maximum price (GMP) for complete rehabilitation of the ATS
- Implement a safety program addressing safety issues throughout construction

Progressive Design Build - Procurement

- Request for Proposals soliciting proposals from prospective PDB Teams
  - Technical and Cost proposals to be separate
- Proposals will be evaluated on Team and Key Staff experience, references, and Technical Understanding and Approach
- Cost Proposals will be evaluated after review and scoring of the technical proposals; only the top ranked submittals will be reviewed
- Award will be to the Team submitting the proposal WSSC Water determines to be the most advantageous to the Commission, based on evaluation factors in the RFP
- Following Award, the PDB Team will negotiate the scope and stipulated (lump sum) cost for the for the first phase of the work – Study and Report Phase

Progressive Design Build

- The Project will be executed in two stages:
  - Preliminary Stage
    - Study and Report Phase
    - Preliminary Technical Documents and Construction Planning Phase
  - Completion Stage
    - Final Design and Construction
- Scope and fee for each stage will be negotiated with the selected PDB Team as the project progresses

Preliminary Stage - Study and Report Phase

- Data collection and review
- Field investigations
- Environmental evaluations
- Right of Way evaluation
- Identification of permit requirements
- Identification of easement and right of entry requirements
- Evaluation of ATS rehabilitation technologies
- Evaluation of Relief Sewer capacity
- Preparation of Design Report with cost evaluations and recommendation
- Develop scope of work and cost proposal for Preliminary Documents Phase

Study Phase - Deliverables

- Quality Assurance / Quality Control (QA/QC) Plan
- Risk Register
- Safety Plan
- Design Report including:
  - Field investigation reports
  - Summary of sewer condition and deficiencies
  - Alternatives evaluation, including cost comparisons,
  - Required permit list
  - Preliminary property impacts
  - Right of Way/Right of Entry requirements
  - Evaluation of flow control options and capacity of Relief Sewer
  - Recommendation of preferred rehabilitation approach
  - Cost estimate of recommended rehabilitation approach

Preliminary Stage Preliminary Documents Phase

- Performing early field investigations or construction tasks prior to Completion Stage
- Preparing Preliminary Design documents to 30% level
- Preparing Preliminary Design documents to 70% level
- Developing scope of work and GMP for Completion Stage
- Support WSSC Water with two (2) community outreach meetings
- Support OA Team with permit applications

Preliminary Documents – Deliverables

- Supporting documents for permit applications
- Easement and Right of Entry documents
- 30% Design plans, outline specifications, and cost estimate
- 70% Design plans, specifications, schedule, risk register, and cost estimate
- Proposed scope of work and cost proposal for Completion Stage work

Completion Stage – Scope

- Following 70% Design review, PDB Team will develop detailed scope of work, schedule, and GMP proposal for Completion Stage design and construction
- If WSSC Water and PDB Team can arrive at a mutually agreeable scope and GMP, WSSC Water will prepare a Work Order to authorize Completion Stage work
- PDB Team will proceed with Completion Stage
  - Prepare final construction plans and specifications
  - Support permit and easement acquisition
  - Perform field investigations as required
  - Prepare shop drawings, submittals, and product data
  - Perform all construction activities in accordance with approved plans and specifications for the rehabilitation of the ATS II
  - Complete site restoration, project closeout, and prepare record drawings

Permitting and Coordination

The **PDB Team** will be responsible for:

- Preparing permittable design and construction approach
- Supporting OA Team to prepare permit applications
- Preparing all plans, drawings, reports, and reference documents
- Alerting OA Team of required permit modifications/revisions or approvals

The **OA Team** will be responsible for:

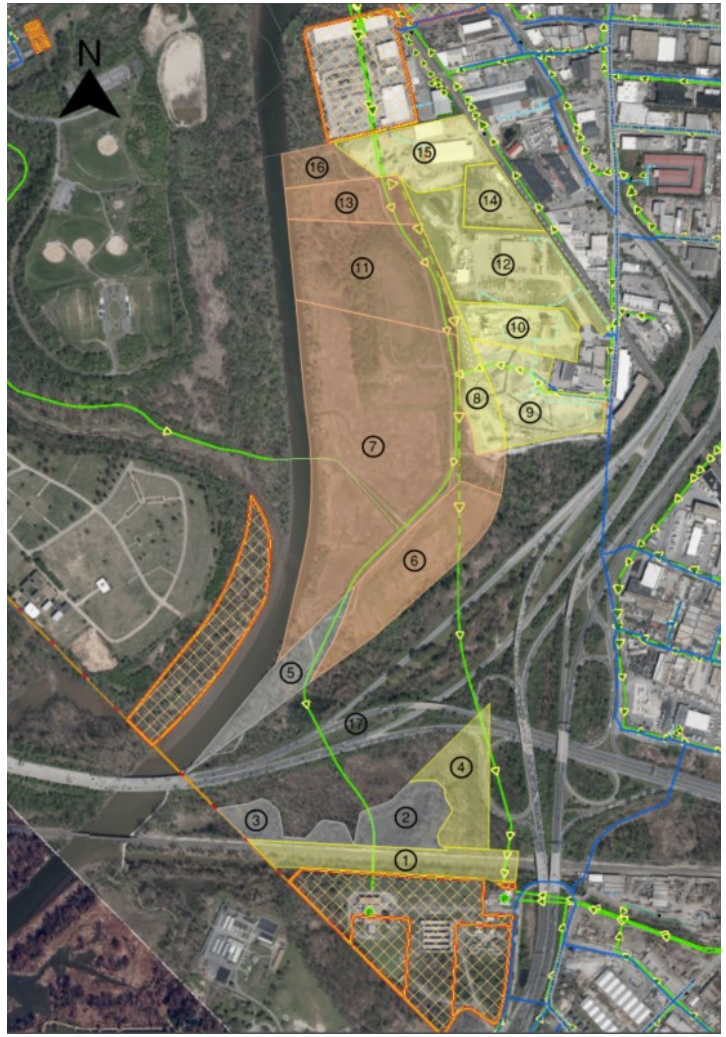
- Reviewing PDB Team's impact evaluations and supporting documents
- Compiling supporting documentation
- Completing and submitting permit applications
- Serving as liaison between PDB Team and permitting agencies
- Initiating discussion with agencies regarding expected impacts and permit requirements
- Other negotiated tasks

Preliminary List of Permit Agencies

- **USACE** – Section 404 of the Clean Water Act
- **NPS** – National Park Service Right of Entry
- **USFWS** – RTE Species Section 7 Consultation
- **USFWS** – Migratory Bird Treaty Act & Bald Eagle and Golden Eagle Protection Act Compliance
- **MDE** – Water and Sewerage Construction Permit
- **MDE** – State Wetlands and Waterways Permit
- **MDE** – Section 401 Water Quality Certification
- **MDE** – General Permit for Stormwater Associated with Construction Activity (NPDES Permit)
- **Critical Area Commission** – Critical Area Approval
- **MDNR Wildlife and Heritage Service** – Threatened & Endangered Species Consultation
- **Maryland Historical Trust** – Cultural Resources Clearance
- **MDE Water Supply Program** – Water Use Permit
- **DNR** – Forest Conservation Approval.
- **DNR** – Roadside Tree Permit
- **MNCPPC** – Right of Entry
- **City of Hyattsville** – Street Access Permit
- **Aggregate Industries** – Right of Entry
- **Prince George's County Planning Department** – Prince George's County Woodland Conservation
- **Prince George's County DPIE** – Stormwater Management Permit
- **WSSC Water** – Erosion and Sediment Control Plan Approval

Adjacent Properties

Adjacent Properties List				
Num	**Owner's Name**	**Account Num**	**Parcel Num**	**Premise Address**
1	National Railroad Passenger Corp	0159558	26	Kenilworth Ave
2	UNKNOWN	9999999	Null	ACCOUNT UNKNOWN
3	UNKNOWN	9999999	Null	ACCOUNT UNKNOWN
4	Clarke Mae H	0154831	120	Kenilworth Ave
5	UNKNOWN	9999999	Null	ACCOUNT UNKNOWN
6	MNCPPC	0137745	86	2750 52nd Ave
7	MNCPPC	0146043	84	2700 52nd Ave
8	Bardon Inc.	3003001	180	3340 Kenilworth Ave
9	Bardon Inc.	0137604	30	2800 52nd Ave
10	Bardon Inc.	3126596	Null	2820 52nd Ave
11	MNCPPC	0145870	173	52nd Ave
12	Airgas USA LLC.	3126604	Null	2900 52nd Ave
13	MNCPPC	0145847	176	52nd Ave
14	WB LLC.	0160994	Null	3310 Kenilworth Ave
15	3334 Kenilworth Ave Associates	0141416	76	3334 Kenilworth Ave
16	MNCPPC	0144865	81	52nd Ave
17	National Park Service	-	-	Baltimore Washington Pkwy



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Keys to Success

The Wilson T. Ballard Company

Keys to Success

- Strong experience with developing and delivering complex construction and rehabilitation projects
- Ability to dedicate a team to enhance WSSC Water's delivery process and procedures
- Ability to incorporate the WSSC Water Strategic Plan in all aspects of the project delivery process
- Attend pre-bid meeting
- Understanding of project scope and planning
- Assemble and/or join an experienced project team
- Budget /cost / schedule controls
- Proactive stakeholder communication
- Regulatory compliance

Minimum PDB Team Requirements

General Requirements (both Contractor and Lead Design Firm):

- Able to conduct business in Maryland; JV's must be legally formed and registered with WSSC Water
- Provide 5 owner references for DB or PDB projects, including project details

Minimum Pipeline Rehabilitation Experience (both Contractor and Lead Design Firm):

- Minimum 5 rehabilitation projects for 60-inch or larger sewers within last 10 years
- 10 years of experience in collaborative delivery projects
- Completed 2 PDB projects, one of which shall be 60-inch or larger pipeline project

Engineer of Record:

- EOR must be Professional Engineer registered in Maryland

Safety:

- Must have OSHA Recordable Incident Rate of less than 2.8 within last 3 years

Minimum Key Personnel Qualifications

Project Executive:

- 10 years experience managing utility contracts $50 million value or greater
- At least two DB or PDB contracts, each $50 million value or greater

Project Manager:

- 5 years experience in sewer rehabilitation (60-inch or larger)
- PM for one DB or PDB project with a construction value $20 million or greater

Construction Manager:

- 5 years experience with sewer rehabilitation of pipelines 60-inch or larger

Design Manager:

- 5 years experience as Project Manager in design of sewer rehabilitation of pipelines 60-inch or larger

Project Superintendent:

- 5 years experience as Project Superintendent for sewer rehabilitation of pipelines 60-inch or larger

Minimum Key Personnel Qualifications

Lead Estimator:

- 5 years experience in responsible charge for estimates for sewer rehabilitation and construction projects 60-inch or larger

Safety Officer:

- 5 years experience in responsible charge for safety monitoring, training, compliance, and enforcement for projects of at least $25 million value

Quality Control/Quality Assurance Officer:

- 5 years experience performing quality management for projects of at least $25 million value

Permit Coordinator:

- 5 years experience permitting projects in Maryland, including environmental impact permitting and projects impacting MNCPPC lands

Evaluation Factors

- Design Build Team Experience: 25%
- Key Project Team Members Experience: 20%
- Project management: 15%
- Project Approach: 35%
- Cost: 5%

Cost Evaluation

- Evaluation will be based on:
  - PDB Team's Fee
  - Salary Rates for the Design Firm and subconsultants
- Fee and Salary Rates will be held as binding throughout the project and must be used in the derivation of the Stipulated Price as the scope and cost for each phase is negotiated

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Project Compliance

Project Compliance

- Submit monthly invoices on time
- Address contract items in a reasonable time as stated in contract
- The work must conform to the contract documents and specifications approved by WSSC Water
- Assure the project is completed within the established schedule
- Assure approved materials are installed on the project
- Assure quality standards are met on all activities
- The Contractor shall provide a dedicated Project Manager and Superintendent, who shall be at the jobsite daily

Supplier Portal and OpenGov Platforms

Supplier Portal and OpenGov Platforms

Scan to register with the Supplier Portal

or **Visit:**

https://www.wsscwater.com/supplier

Scan to register with OpenGov

or **Visit:**

https://procurement.opengov.com/portal/wsscwater

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Questions?

Early Engagement Vendor Session Inquiry Form

https://forms.office.com/g/c3xHCEqjgG

For past event's presentations and sign in sheets, visit

www.wsscwater.com/work-us/procurement/outreach-events

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Early Engagement Vendor Session Post-Event Survey

https://forms.office.com/g/57Ws7Ur0Xf


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