

## SBD - CM Review Form

<b>To:</b>	Project Review & Analysis - Construction		
<b>From:</b>	SBD Engineer - Eric Perez		
<b>Department:</b>	Miami Dade Water & Sewer Department	<b>Contact:</b>	Paul Adams
<b>Date:</b>	9/19/2022	<b>Resubmittal:</b>	

<b>PROJECT NUMBER:</b>	S-971
<b>PROJECT TITLE:</b>	Furnish and Install 16-inch Sanitary Force Main along W, N & E Country Club DR from William Lehman Causeway to Yacht Club Way
<b>PROJECT LOCATION:</b>	Aventura, FL 33180

<b>SCOPE OF WORK/DESCRIPTION:</b>	This work consists of furnishing and installing approximately 11,090 PVC C900 linear feet of sanitary sewer force main along W, N & E Country Club DR from William Lehman Causeway to Yacht Club Way. The pipe installation method will be via open-cut; however, the project will also contain connections to existing sewage force mains; making cut in and cap to an existing sewage force main; The work shall also include the furnishing and installation of all fittings, restraints, valves, connections at both ends of the pipe's route, clearing and grubbing of existing vegetation, milling, re-surfacing, pavement restoration and maintenance of traffic.
<b>LICENSES:</b>	1. At the time of Bid and pursuant to the requirements of Section 10-3 of the Code of Miami-Dade County, Florida and these Solicitation and Contract Documents, the Bidder must hold a valid, current, and active: a. Certificate of Competency from the County's Construction Trades Qualifying Board as a General Engineering Contractor or as a Pipeline Engineering Contractor. The Pipeline Engineering Contractor shall subcontract with a qualified contractor any work which is incidental to the pipeline specialty but is specified in the aforementioned Code as being the work of other than that of the Engineering Specialty for which certified; or b. Certification, as a General Contractor or as an Underground Utility and Excavation Contractor, provided by the State of Florida Construction Industry Licensing Board, pursuant to the provisions of Florida Statutes Chapter 489.115.

**SPECIAL REQUIREMENTS:** 1. In addition to the license requirements in Section 1.01, A above, the Bidder must have a minimum of three (3) years of experience, under its current business name (which can include the experience of key supervisory employees that would man the project), in the construction of roadway / horizontal projects of similar scope and scale involving public right-of-way construction / installation / repair / replacement of main water distribution systems and/or main sanitary sewer collection systems, and maintenance of vehicular traffic, supported by references for three (3) projects completed within the past five (5) years. Submitted reference Projects must demonstrate that the Bidder served as the Prime Contractor for the referenced Projects provided.

a. Experience installing C900 PVC water main or sanitary force main.

2. The Bidder must demonstrate that it has full-time personnel with the necessary experience to perform the Project's Scope of Work. This experience shall include work in successfully completed projects performed by the identified personnel whose bulk of work performed in the public right-of- way is similar in detail to the Project's Scope of Work described in these Solicitation Documents. 3. In the event a firm is established by executives, supervisors, and other senior field staff (key employees) that would have met these minimum experience requirements with a prior firm, OWNER reserves the right to qualify the firm based on OWNER's sole determination and evaluation of the knowledge and prior experience of these key employees employed by the new firm. The experience of key senior personnel with other firms may be counted towards the experience requirement, if acceptable to the ENGINEER. Should such evidence not be satisfactory to the ENGINEER, whose decision shall be final, the bid will be considered non-responsive, and the second lowest bidder will be considered for award. The qualifying proof shall be submitted in a separate sealed envelope with the bid.

4. The County reserves the right to request additional information and/or contact listed persons pertaining to bidder's experience.

TRADES/SUBTRADES	AMOUNT	COMMENTS
General Contractor/ General Engineering Contractor/Pipelines		
For performing preparatory work and operations in mobilizing for beginning the work of the Project	\$257,427.69	
For furnishing and delivering to the Department 20-inch PVC C900 DR18 pipe	\$8,110.00	
For installing 20-inch PVC C900 pipe, fittings and joint restraints for sewage force main	\$900.00	
For furnishing and delivering to the Department 16- inch PVC C900 DR18 pipe	\$2,118,675.00	
For installing 16-inch PVC C900 pipe, fittings and joint restraints for sewage force main	\$869,200.00	
For furnishing and delivering to the Department 12- inch PVC C900 DR14 pipe	\$8,620.00	
For installing 12-inch PVC C900 pipe, fittings and joint restraints for sewage force main	\$1,500.00	

TRADES/SUBTRADES	AMOUNT		COMMENTS
For installing 8-inch PVC C900 pipe, fittings and joint restraints for sewage force main	\$9,720.00		*Possible opportunities for Small Businesses
For furnishing and delivering to the Department 6-inch PVC C900 DR14 pipe for sewage force main	\$2,700.00		*Possible opportunities for Small Businesses
For installing 6-inch PVC C900 pipe, fittings and joint restraints for sewage force main	\$8,499.40		*Possible opportunities for Small Businesses
For furnishing and delivering to the Department 4-inch PVC C900 DR14 pipe for sewage force main	\$7,000.00		*Possible opportunities for Small Businesses
For installing 4-inch PVC C900 pipe, fittings and joint restraints for sewage force main	\$3,320.00		*Possible opportunities for Small Businesses
For installing 4-inch PVC C900 pipe, fittings and joint restraints for sewage force main	\$350.00		*Possible opportunities for Small Businesses
For furnishing and delivering to the Department 16-inch mechanical joint plug valve(s)	\$200,000.00		
For installing 16-inch mechanical joint plug valve(s) for sewage force main	\$120,000.00		
For furnishing and delivering to the Department 12- inch mechanical joint plug valve	\$24,000.00		
For installing 12-inch mechanical joint plug valve(s) for sewage force main	\$9,000.00		
For furnishing and delivering to the Department 8-inch mechanical joint plug	\$35,000.00		
For installing 8-inch mechanical joint plug valve(s) for sewage force main	\$21,000.00		
For constructing Automatic Air Release Valve Assemblies (AARVs)	\$84,000.00		
For furnishing and installing V-Bio polyethylene encasement for any size ductile iron fitting	\$10,080.00		
Trench work and sheeting and shoring	\$17,500.00		
For furnishing and installing flowable fill for trench backfill for areas under asphalt pavement	\$623,530.00		

TRADES/SUBTRADES	AMOUNT		COMMENTS
For removal, transport and legal of excess backfill material	\$43,376.00		
For constructing concrete curb and gutter restoration to match existing For constructing concrete curb and gutter restoration to match existing	\$28,382.00		
Pipelines Tapping Specialist			
For removing existing plug and connecting to an existing 20-inch sewage force main	\$70,000.00		
For making a tapping connection to an existing 16- inch sewage force main	\$35,000.00		
For making solid sleeve connections for tapping of sewage force main	\$120,000.00		
For making a cut-in and cap existing sewage force main	\$29,500.00		
General Mechanical (Temporary By-pass pumping)			
For all costs for furnishing, installing, operating (manned 24 hour per day), maintaining and removing a sewer by-pass pumping system during the connection to Sewage Pump Station	\$63,000.00		
Paving/Site Prep			
For furnishing and installing flowable fill for filling existing 8-inch main that is to be	\$82,340.00		*Possible opportunities for Small Businesses
For furnishing and installing flowable fill for filling existing 6-inch main	\$13,200.00		*Possible opportunities for Small Businesses
For furnishing and installing flowable fill for filling existing 4-inch	\$15,900.00		*Possible opportunities for Small Businesses

TRADES/SUBTRADES	AMOUNT		COMMENTS
For constructing limerock base for Type "I" permanent pavement repairs	\$50,616.00		*Possible opportunities for Small Businesses
For constructing Type "I" asphaltic concrete surface course	\$75,924.00		*Possible opportunities for Small Businesses
For cold milling roadway surface course for permanent pavement repairs	\$65,488.00		*Possible opportunities for Small Businesses
For constructing Type "V" permanent pavement repairs for roadway	\$247,080.00		*Possible opportunities for Small Businesses
For replacing pavement markings damaged, removed or obliterated by the Contractor's operation	\$32,000.00		
For restoring sodded area	\$1,590.00		
traffic control and detection loop	\$128,713.85		
<b>BASE TOTAL</b>	\$5,542,241.94	86.46%	
Contingency Allowance (10% of Base Estimate)	\$554,224.19	8.65%	
Dedicated Allowance (MOT, Permit)	\$313,701.86	4.89%	
<b>TOTAL AMOUNT</b>	\$6,410,167.99	100.00%	

Small Business Development Signature: Eric Perez Date: 9/30/22

**\*Trades/Sub-Trades identified for possible subcontracting opportunities by SBD CM**

WASD is recommending **9.20%**