

SBD - CM Review Form

To:	Project Review & Analysis - Construction		
From:	SBD Engineer - Eric Perez		
Department:	Miami Dade Water & Sewer Department	Contact:	Issac Smith
Date:	5/5/2021	Resubmittal:	

PROJECT NUMBER:	P0223R
PROJECT TITLE:	Upgrade Sewage Pump Station No. 0014
PROJECT LOCATION:	8340 NW 54TH Street City of Doral, Florida 33174

SCOPE OF WORK/DESCRIPTION: This project was previously bid as RPQ# P0223, but was Terminated for Convenience. This project supports the Downtown Doral area and is being constructed pursuant to R-819-18. The work consists of furnishing all materials, labor, and equipment necessary for the Upgrade of existing wastewater raw sewage pump station referred to as Miami Dade Water and Sewer Department Pump Station No. 0014. The facility is located at 8340 NW 54TH Street, in Section 22, Township 53, Range 40 East, City of Doral, Florida 33174. The Upgrade Sewage Pump Station No. 0014, consisting of convert the existing wet pit/dry pit configuration to a Submersible Pump Station with Stand By Generator including, but not limited to, excavation, demolition and modification work including: Abandon existing dry well; removal of existing dry well chimney; remove of existing pumps, motors, valves, piping (suction and discharge) and fittings; Removal of all internal items from existing Wet Well; Removal of existing generator building, concrete slab, and non-structural element including a licensed Asbestos Abatement Contractor as an OSHA Work providing a Class II activity requiring adherence to the OSHA controls documentation, work practices, etc.; furnish and install three (3) new 60HP submersible pumps and related equipment; motor at 1775 RPM drive by a VFD and related equipment; furnish and install electromagnetic flowmeter system and related equipment in the 10-inch and 8-inch discharge pipe; furnish and install air release valve with drain to wet well; furnish and install new meter and main disconnect; furnish and install the proposed power/control system inclusive of the necessary electrical panel, enclosure, telemetry system and related equipment; install electrical conduits and junction boxes; install R.T.U. panel and S.C.A.D.A. equipment furnished by the Department; furnish and install a generator enclosure and sub-base tank system (1800 gallons of diesel fuel) and provide all equipment necessary in order to provide proper operation including all required synchronizing and transfer functions of the system.electrical work; mechanical work; furnish all materials, equipment and supplies necessary for pump station startup and testing; furnish and install sewage force main pipe and fittings; connection to existing 16-inch sewage force main; replacement any existing irrigation system, new sod, new sidewalk and driveway, pavement damaged during construction; construction of new sidewalk and driveway as shown on plans; site restoration; new landscaping as shown on plans and other appurtenant and miscellaneous items for a complete, satisfactory and functional installation.

LICENSES: The types of licenses required are: State General Contractor (Prime), General Engineering Contractor (Prime), General Mechanical(sub), Demolition(Sub), Air Conditioning(Sub), Paving (Sub, Plumbing – Master (Sub), Underground Utility Excavation (Sub), Electrical (High Voltage) (Sub), Asbestos Abatement Contractor (Sub) and/or other categories as applicable by Chapter 489 of the Florida Statutes or Chapter 10 of Miami-Dade County Code.

SPECIAL CONDITIONS: A. The Contractor should be aware of the presence of Asbestos Containing Material (ACMs). The contractor must provide the FDEP with written notification of planned removal activities at least 10 working days prior to the commencement of asbestos abatement activities. Removal of ACM and/or RACM must be conducted by a State of Florida licensed asbestos abatement contractor. B. Contractor shall coordinate the removal and inspection of all existing (ACM) and

provide the services of a qualified and licensed Asbestos Abatement Contractor to safely and legally remove all the existing asbestos-containing material. C. Contractor is advised of the proximity of the existing building to the proposed dry well/ wet well structures. The shoring system shall be designed by a professional Engineer and constructed by a specialty contractor. Contractor shall submit shop drawing and calculations signed and sealed by a state of Florida Licensed Professional Engineer.

MINIMUM REQUIREMENTS: In addition to submittal requirements stated elsewhere, to qualify for work on this Contract the Bidder shall be experienced in raw sewage pump station construction, including the installation of submersible pumps, medium voltage electrical power systems, and standby diesel generators. The Bidder shall also be experienced in the cutting of concrete structures in selective demolition settings and construction methods to minimize noise, dust, and other impacts to surrounding residential neighborhoods. The Bidder must have successfully completed the refurbishment of a minimum of two (2) hydraulic structures within the last five (5) years meeting the following requirements: Refurbishment of a tank and/or wet well that included the cutting of concrete structures that existed within the internal portions of the tank and/or wet well without damaging the overall integrity of the tank and/or wet well. The Bidder or Bidder's By-passing Pumping Vendor or Subcontractor shall have established, operated and maintained at least three (3) successful by-pass pumping operations. A Prime Contractor may bid the project with a qualified subcontractor that will be responsible for the bypass pumping operation. The qualifications of the subcontractor shall be submitted with the bid. The Bidder or Bidder's Electrical Subcontractor shall have successfully completed a minimum of one (1) project demonstrating experience with medium voltage power supply and standby diesel generators within the last five(5) years meeting the following requirements: (A) Minimum generator size 250 kW. (B) Medium voltage switchgear

TRADES/SUBTRADES	AMOUNT		COMMENTS
General Building Contractor/ General Engineering			
Mobilization	\$75,000.00		
Demolition, removal, disposal & asbestos removal	\$83,000.00		*Possible opportunities for Small Businesses
Selling and Delivering all necessary materials, equipment and supplies	\$651,300.00		
Installation of all materials, equipment and supplies furnished under Item 3	\$377,700.00		
Cleaning, repairing and coating existing manhole and wetwell	\$35,800.00		
For furnishing traffic control	\$30,000.00		
Site Restoration: Sidewalk, driveway, shrubbery and other landscaping	\$83,500.00		*Possible opportunities for Small Businesses
For making connection to existing 16-inch force main	\$10,000.00		*Possible opportunities for Small Businesses
For providing site backfill and grading of well compacted limerock base	\$19,598.00		*Possible opportunities for Small Businesses
For removal and disposal of contaminated material	\$2,000.00		
Furnishing and installing suitable backfill at contaminated area	\$1,500.00		
Constructing new 6-foot PVC Fence with 34-foot slide gate	\$27,132.00		*Possible opportunities for Small Businesses
For milling of asphaltic surface course	\$1,424.00		
For constructing permanent paving repairs	\$4,628.00		*Possible opportunities for Small Businesses
For replacing pavement markings	\$1,000.00		
Mechanical			
For furnishing, installing, operating and maintaining a bypass pump system	\$108,000.00		
Electrical			
For installing generator set, fuel tank and appurtenances furnished in Item 7	\$18,000.00		
For selling and delivering generator set, fuel tank and appurtenances	\$146,000.00		
BASE TOTAL	\$1,675,582.00	90.91%	
Contingency Allowance (10% of Base Estimate)	\$167,558.20	9.09%	
TOTAL AMOUNT	\$1,843,140.20	100.00%	

Small Business Development Signature: Eric Perez Date: 5/5/2021

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

WASD is recommending **9.00%**

Initial: EP

Date: 5/5/2021