

SBD - CM Review Form

To:	Project Review & Analysis - Construction		
From:	SBD Engineer - Eric Perez		
Department:	Miami Dade Water & Sewer Department	Contact:	Basdeo Budhram
Date:	6/1/2021	Resubmittal:	formerly R-213998

PROJECT NUMBER:	R-229115 (RTQ -01055)
PROJECT TITLE:	SALTFRONT WELLS FOR USGS TO ENSURE MOVEMENT OF SALT FRONT
PROJECT LOCATION:	Various Location

SCOPE OF WORK/DESCRIPTION: Task Title: 1. Installation (drilling) of five Salt-Front Monitoring Wells, the monitoring wells IDs are: SF20-2, SF20-3, SF20-4, SF20-5 and SF20-6. Three monitoring wells (SF20-4, SF20-5 and SF20-6) will not require coring and only two of these wells (SF20-2 and SF20-3) will require coring. Please note that there is NO monitoring well SF20-1, therefore there are only 5 saltfront monitoring wells in this Task 1 of this scope of work.

Task Title: 2. Replace damaged shallow monitoring well G-354R as a 2-inch PVC well, 91ft deep, with no coring.

Task Title: 3. Plugging and abandoning shallow Pad monitoring wells at the Aquifer Storage Recovery (ASR) Wells sites.

Seawater encroachment continues to represent a major threat to the freshwater resources of coastal Miami-Dade County. The installation of these five wells will help to further delineate the extent of saltwater intrusion in areas where the saltwater front is currently estimated, to better define the saltwater front in areas where existing monitoring wells are already on the saltwater side of the front, and to better understand the hydrology of the Biscayne aquifer along the salt front.

LICENSES: The types of licenses required are: Florida Water Well Contractor, General Engineering, and/or other categories as applicable by Chapter 489 of the Florida Statutes or Chapter 10 of Miami-Dade County Code.

SPECIAL CONDITIONS: THE PROJECT WILL BE BID OUT UNDER A PRE-QUALIFIED POOL (RTQ -01055). Equipment and Personnel: WASD requires that a Water Well CONTRACTOR, licensed in the State of Florida or the appropriate Water Management District, be responsible for work performed under this Contract. A copy of the current Florida Water Well Contractor license must be submitted with the proposal. Project Schedule and Time Constraints: The scope of work mentioned above shall be constructed in a timely manner; drilling should begin within one week after contract execution. The entire project shall be completed within 365 days. The work week is Monday through Friday. The site geologist is required to travel from Davie, Florida each day so actual drilling time will be less than 8 hours per day.

TRADES/SUBTRADES	AMOUNT		COMMENTS
General Building Contractor/ General Engineering			
20-2 Drilling, coring, logging and casing of Salt Front Wells with 2" PVC to a depth of 350'	\$100,000.00		
20-3 Drilling, coring, logging and casing of Salt Front Wells with 2" PVC to a depth of 150'	\$30,000.00		
20-4 Drilling, coring, logging and casing of Salt Front Wells with 2" PVC to a depth of 120'	\$25,000.00		
20-5 Drilling, coring, logging and casing of Salt Front Wells with 2" PVC to a depth of 120'	\$25,000.00		
20-5 Drilling, coring, logging and casing of Salt Front Wells with 2" PVC to a depth of 150'	\$30,000.00		
G-345R Drilling and casing of Salt Front Wells with 2" PVC to a depth of 91'	\$20,000.00		
ASR-1 Plug and abandonment of 4 Pad monitoring wells	\$25,000.00		
ASR-2 Plug and abandonment of 4 Pad monitoring wells	\$25,000.00		
ASR-3 Plug and abandonment of 4 Pad monitoring wells	\$25,000.00		
ASR-4 Plug and abandonment of 4 Pad monitoring wells	\$25,000.00		
ASR-4 Plug and abandonment of 4 Pad monitoring wells	\$25,000.00		
Additional 6 inch borehole drilling 10 ft sections	\$25,000.00		
Additional 2 inch schedule 40 PVC casing in 10ft sections	\$7,500.00		
Additional 1 inch schedule 40 PVC casing in 10ft sections	\$5,000.00		
Additional airlifting to clear well	\$3,600.00		
MOT if needed for Well Drilling	\$20,000.00		
Stand by time per hr	\$5,000.00		
BASE TOTAL	\$421,100.00	90.91%	
Contingency Allowance (10% of Base Estimate)	\$42,110.00	9.09%	
TOTAL AMOUNT	\$463,210.00	100.00%	

Small Business Development Signature: Eric Perez Date: 6/1/2021

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

WASD is recommending **NO MEASURE DUE TO AVAILABILITY**

Initial: EP

Date: 6/1/2021