500 West Cypress Creek Road, Suite 600 Fort Lauderdale, FL 33309

Office: +1 (954) 730-0707



September 5, 2024

SENT VIA E-MAIL (pfonseca@margatefl.com)

ATTN: Paula Fonseca, P.E. City of Margate 901 NW 66th Avenue, Suite A Margate, FL 33063

Subject: City of Margate Watermain Improvements

Phase 2B Royal Palm Boulevard & US-441 Intersection

Ms. Fonseca:

The City of Margate received the bidding results for the 2024-014 Water Main Improvements Phase 2B – Royal Palm Blvd & US-441 Intersection on August 29, 2024. The lowest bidder was identified as Pabon Engineering, Inc. (Pabon). Chen Moore and Associates (CMA) has contacted all the client references that Pabon provided in the original bid submittal. References included utility projects throughout South Florida for various clients:

- Reference #1 Miami Dade Public Works
 - o Contact A: George Gregory, Construction Manager
 - Contact B: Felipe Monteagudo, Construction Manager
- Reference #2 Miami Dade Water and Sewer Department
 - Contact A: Alexis Valdes, Project Manager
 - Contact B: Yamiris Battle, Construction Manager
- Reference #3 City of Coral Springs
 - o Contact: Najla Zerrouki, Assistant Director of Public Works

References contacted responded with the following information:

	Contract Amount	Pipe Installation	Change Orders	Communication Rating	Project on Time	Overall Rating (1 to 5)	
Reference	\$888,585	Drainage	Unforeseen	Good	Yes	5	
#1A	جەدرەەەد 	Improvements	Conditions	Good	162	5	
Reference	\$574,856	Drainage	Unforeseen	Good	Yes	5	
#1B	\$374,630	Improvements	Conditions	Good	162	5	
Reference	\$695,000 &	Drainage, Gravity	Unforeseen	Good	Yes	4	
#2A	\$4,582,710	& Force Main	Conditions	Good	162	4	
Reference	¢1 442 E62	12" Watermain	Unforeseen	Good	Yes	_	
#2B	\$1,443,562	Improvements	Conditions	G000	168	5	
Reference	\$675,000	Force Main	Owner	Good	Yes	5	
#3	\$675,000	Replacement	requested	Good	162	J	

Pabon appears to have worked successfully with various municipalities across South Florida based on the references provided. All references expressed a positive experience working with Pabon and indicated their projects ended both on time and within budget. Change orders encountered were due to unforeseen conditions or owner requested changes. Reference #3 stated Pabon was very accommodating with owner requested changes to the project and was very responsive. All references confirmed they experienced

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overall good communication with Pabon. However, Reference #2A mentioned field crews could improve public coordination and notice distribution to minimize resident concerns. Reference #1B highlighted how their project finished ahead of schedule and closeout documentation, including as-builts, were submitted timely. Reference #2B informed their project was highly complicated due to the location within Downtown Miami, yet similarly described how as-builts were submitted on time accordingly.

CMA compared the unit prices listed in all bids submitted by each contractor for this project. Significant differences or outliers in the unit prices were not observed in the submittal from Pabon.

Upon reviewing all reference information received, CMA recommends Pabon Engineering, Inc. to perform the construction of the improvements defined in the scope of the 2024-014 Water Main Improvements Phase 2B – Royal Palm Blvd & US-441 Intersection for the total base bid amount of \$650,000.00.

Should you have any questions, please do not hesitate to contact me at +1 (954) 691-2460, or send me an electronic message at jdiaz@chenmoore.com.

Respectfully submitted,

Jessica Diaz, P.E. Project Engineer

Attached: Bid Results Summary

City of Margate Watermain Improvements Phase 2B Royal Palm Boulevard & US-441 Intersection

				Engineer's Estimate		Pabon Engineering		Marcdan, Inc.		Southern Undergro		erground			
	Item	Section 102	5 Qty.	Unit Price	Units	Total Price	Unit Price	Units	Total Price	Unit Price	Units	Total Price	Unit Price	Units	Total Price
	CONSTRUCTION - GENERAL	_													
1	BONDS AND INSURANCE	1.2	1	\$ 20,000.0	LS \$	20,000.00	\$ 30,000.00	LS	\$ 30,000.00	\$ 26,450.00	LS	\$ 26,450.00	\$ 60,000.00	LS	\$ 60,000.00
2	MOBILIZATION	1.3	1	\$ 35,000.0	LS \$	35,000.00	\$ 60,000.00	LS	\$ 60,000.00	\$ 66,125.00	LS	\$ 66,125.00	\$ 92,100.00	LS	\$ 92,100.00
3	MAINTENANCE OF TRAFFIC	1.4	1	\$ 20,000.0	LS \$		\$ 30,000.00	LS	\$ 30,000.00	\$ 66,125.00	LS	\$ 66,125.00	\$ 45,500.00	LS	\$ 45,500.00
	GENERAL SUBTOTAL					75,000.00	_		\$ 120,000.00	_		\$ 158,700.00	_		\$ 197,600.00
	CONSTRUCTION - UTILITY ITEMS														
4	FURNISH & INSTALL 6" PVC WATER MAIN PIPE VIA OPEN CUT	1.5	150	\$ 60.00	LF \$	9,000.00	\$ 165.00	LF	\$ 24,750.00	\$ 120.00	LF	\$ 18,000.00	\$ 123.00	LF	\$ 18,450.00
5	FURNISH & INSTALL 8" PVC WATER MAIN PIPE VIA OPEN CUT	1.5	40	\$ 70.00	LF \$	2,800.00	\$ 185.00	LF	\$ 7,400.00	\$ 176.00	LF	\$ 7,040.00	\$ 118.00	LF	\$ 4,720.00
6	FURNISH & INSTALL 10" DIP WATER MAIN PIPE VIA OPEN CUT	1.5	600	\$ 80.00	LF \$	48,000.00	\$ 205.00	LF	\$ 123,000.00	\$ 160.00	LF	\$ 96,000.00	\$ 163.00	LF	\$ 97,800.00
7	FURNISH & INSTALL 8" HDPE WATER MAIN PIPE VIA HDD	1.6	170	\$ 180.00	LF \$	30,600.00	\$ 300.00	LF	\$ 51,000.00	\$ 360.00	LF	\$ 61,200.00	\$ 252.00	LF	\$ 42,840.00
8	FURNISH & INSTALL MJ SLEEVE ADAPTER COUPLING	1.7	7	\$ 770.00	EA \$	5,390.00	\$ 1,000.00	EA	\$ 7,000.00	\$ 1,500.00	EA	\$ 10,500.00	\$ 2,700.00	EA	\$ 18,900.00
9	FURNISH AND INSTALL WATER SERVICE AND CONNECT TO EXISTING METER	1.8	2	\$ 2,500.00	EA \$	5,000.00	\$ 2,800.00	EA	\$ 5,600.00	\$ 4,700.00	EA	\$ 9,400.00	\$ 4,400.00	EA	\$ 8,800.00
10	FURNISH & INSTALL PRESSURE MAIN FITTINGS	1.9	1.5	\$ 17,800.00	TN \$		\$ 10,000.00	TN	\$ 15,000.00	\$ 12,000.00	TN	\$ 18,000.00	\$ 26,000.00	TN	\$ 39,000.00
11	FURNISH & INSTALL 6" GATE VALVE	1.1	5	\$ 1,900.00	EA _\$		\$ 3,500.00	EA	\$ 17,500.00	\$ 3,000.00	EA	\$ 15,000.00	\$ 10,200.00	EA	\$ 51,000.00
12	FURNISH & INSTALL 10" GATE VALVE	1.1	8	\$ 3,500.00	EA _\$		\$ 5,500.00	EA	\$ 44,000.00	\$ 5,300.00	EA	\$ 42,400.00	\$ 10,600.00	EA	\$ 84,800.00
13	FURNISH & INSTALL AIR RELEASE VALVE AND STRUCTURE	1.11	2	\$ 5,500.00	EA _\$		\$ 8,500.00	EA	\$ 17,000.00	\$ 9,700.00	EA	\$ 19,400.00	\$ 31,500.00	EA	\$ 63,000.00
14	FURNISH & INSTALL FIRE HYDRANT	1.12	3	\$ 10,500.00	EA \$		\$ 10,500.00	EA	\$ 31,500.00	\$ 11,500.00	EA	\$ 34,500.00	\$ 17,000.00	EA	\$ 51,000.00
15	CONNECTION TO EXISTING WATER MAIN	1.13	7	\$ 4,000.00	EA _\$		\$ 5,100.00	EA	\$ 35,700.00	\$ 5,700.00	EA	\$ 39,900.00	\$ 4,900.00	EA	\$ 34,300.00
16	REMOVE AND SALVAGE EXISTING FIRE HYDRANT	1.14	3	\$ 950.00	EA _\$		\$ 1,200.00	EA	\$ 3,600.00	\$ 2,000.00	EA	\$ 6,000.00	\$ 4,000.00	EA	\$ 12,000.00
17	FURNISH AND INSTALL SAMPLE POINT	1.15	6	\$ 450.00 \$ 8.00	EA _\$ LF \$,	\$ 250.00	EA LF	\$ 1,500.00 \$ 5,600.00	\$ 1,200.00	EA LF	\$ 7,200.00 \$ 16.100.00	\$ 3,100.00	EA LF	\$ 18,600.00
18 19	ABANDON EXISTING WATER MAIN ASBESTOS CEMENT PIPE REMOVAL AND DISPOSAL	1.16 1.17	700 120	\$ 8.00 \$ 60.00	LF _\$ LF \$,	\$ 8.00	LF	\$ 5,600.00 \$ 12,000.00	\$ 23.00 \$ 100.00	LF	\$ 16,100.00 \$ 12,000.00	\$ 27.00 \$ 500.00	LF	\$ 18,900.00 \$ 60,000.00
15	UTILITY ITEMS SUBTOTAL	- 1.17	120	\$ 00.00	ج ا	,	3 100.00	LF	\$ 402,150.00	3 100.00	LF	\$ 412,640.00	3 300.00	LI	\$ 624,110.00
	ONETT TEMS SOUTOTAL					233,040.00	-		Ç 402,130.00	-		\$ 412,040.00	_		ŷ 024,110.00
	CONSTRUCTION - RESTORATION														
20	FURNISH AND PLACE CONCRETE DRIVEWAY	1.18	30	\$ 90.00	SY \$	2,700.00	\$ 110.00	SY	\$ 3,300.00	\$ 120.00	SY	\$ 3,600.00	\$ 420.00	SY	\$ 12,600.00
21	RESTORE CONCRETE SIDEWALK	1.19	100	\$ 75.00	SY \$		\$ 110.00	SY	\$ 11,000.00	\$ 72.00	SY	\$ 7,200.00	\$ 256.00	SY	\$ 25,600.00
22	RESTORE CURB AND GUTTER	1.20	150	\$ 30.00	LF \$	4,500.00	\$ 65.00	LF	\$ 9,750.00	\$ 40.00	LF	\$ 6,000.00	\$ 220.00	LF	\$ 33,000.00
23	REMOVE EXISTING LIMEROCK BASE MATERIAL	1.21	480	\$ 28.00	SY \$	13,440.00	\$ 10.00	SY	\$ 4,800.00	\$ 13.00	SY	\$ 6,240.00	\$ 17.00	SY	\$ 8,160.00
24	REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT	1.22	480	\$ 4.00	SY \$	1,920.00	\$ 8.00	SY	\$ 3,840.00	\$ 11.00	SY	\$ 5,280.00	\$ 20.00	SY	\$ 9,600.00
25	STABILIZATION OF SUBGRADE	1.23	480	\$ 6.00	SY \$	2,880.00	\$ 12.00	SY	\$ 5,760.00	\$ 45.00	SY	\$ 21,600.00	\$ 67.00	SY	\$ 32,160.00
26	FURNISH AND COMPACT LIMEROCK BASE MATERIAL	1.24	480	\$ 28.00	SY \$		\$ 30.00	SY	\$ 14,400.00	\$ 41.00	SY	\$ 19,680.00	\$ 67.00	SY	\$ 32,160.00
27	FURNISH AND PLACE ASPHALT CONCRETE PAVEMENT - FIRST LIFT (1")	1.25	480	\$ 15.00	SY \$,	\$ 15.00	SY	\$ 7,200.00	\$ 20.00	SY	\$ 9,600.00	\$ 18.00	SY	\$ 8,640.00
28	FURNISH AND PLACE ASPHALT CONCRETE PAVEMENT - SECOND LIFT (1")	1.25	540	\$ 15.00	SY \$,	\$ 15.00	SY	\$ 8,100.00	\$ 28.00	SY	\$ 15,120.00	\$ 21.00	SY	\$ 11,340.00
29	MILL EXISTING ASPHALT PAVEMENT	1.26	60	\$ 10.00	SY \$		\$ 12.00	SY	\$ 720.00	\$ 33.00	SY	\$ 1,980.00	\$ 30.00	SY	\$ 1,800.00
30	REMOVE AND RELOCATE EXISTING MAILBOX	1.27	1	\$ 50.00 \$ 300.00	EA _\$		\$ 400.00	EA	\$ 400.00	\$ 900.00	EA	\$ 900.00 \$ 900.00	\$ 4,800.00	EA EA	\$ 4,800.00 \$ 4,800.00
31 32	REMOVE AND REINSTALL EXISTING SIGN EXISTING IRRIGATION SYSTEM RESTORATION	1.28 1.29	1 1	\$ 300.00 \$ 500.00	EA _\$ LS \$		\$ 300.00	EA LS	\$ 300.00	\$ 900.00	EA LS	\$ 900.00	\$ 4,800.00 \$ 21,600.00	LS	\$ 4,800.00 \$ 21,600.00
33	REMOVE AND REPLACE ST AUGUSTINE SOD	1.30	140	\$ 16.00	SY \$		\$ 2,300.00	SY	\$ 1,400.00	\$ 24.00	SY	\$ 3,360.00	\$ 22.00	SY	\$ 3,080.00
34	REMOVE EXISTING TREE	1.31	1	\$ 2,700.00	EA \$		\$ 500.00	EA	\$ 500.00	\$ 4,700.00	EA	\$ 4,700.00	\$ 5,100.00	EA	\$ 5,100.00
35	FURNISH AND INSTALL NEW TREE	1.31	1	\$ 1,700.00	EA \$,	\$ 1,000.00	EA	\$ 1,000.00	\$ 3,400.00	EA	\$ 3,400.00	\$ 10,000.00	EA	\$ 10,000.00
36	FURNISH AND PLACE 6" SOLID WHITE	1.32	280	\$ 3.00	LF \$		\$ 2.50	LF	\$ 700.00	\$ 6.00	LF	\$ 1,680.00	\$ 3.00	LF	\$ 840.00
37	FURNISH AND PLACE 6" DOUBLE YELLOW	1.32	100	\$ 3.00	LF \$		\$ 5.00	LF	\$ 500.00	\$ 7.00	LF	\$ 700.00	\$ 4.00	LF	\$ 400.00
38	FURNISH AND PLACE 12" SOLID WHITE	1.32	300	\$ 3.00	LF \$	900.00	\$ 5.00	LF	\$ 1,500.00	\$ 11.00	LF	\$ 3,300.00	\$ 4.00	LF	\$ 1,200.00
39	FURNISH AND PLACE 18" SOLID WHITE	1.32	20	\$ 5.00	LF \$	100.00	\$ 7.50	LF	\$ 150.00	\$ 16.00	LF	\$ 320.00	\$ 6.00	LF	\$ 120.00
40	FURNISH AND PLACE 24" SOLID WHITE	1.32	80	\$ 7.00	LF \$	560.00	\$ 10.00	LF	\$ 800.00	\$ 20.00	LF	\$ 1,600.00	\$ 8.00	LF	\$ 640.00
41	FURNISH AND PLACE 6'-10' WHITE SKIP	1.32	100	\$ 3.00	LF \$	300.00	\$ 3.00	LF	\$ 300.00	\$ 7.00	LF	\$ 700.00	\$ 3.00	LF	\$ 300.00
42	FURNISH AND PLACE 10'-30' WHITE SKIP	1.32	160	\$ 3.00	LF \$		\$ 3.50	LF	\$ 560.00	\$ 8.00	LF	\$ 1,280.00	\$ 3.00	LF	\$ 480.00
43	FURNISH AND PLACE PAVEMENT MARKING SYMBOLS	1.33	3	\$ 310.00	EA _\$		\$ 290.00	EA	\$ 870.00	\$ 600.00	EA	\$ 1,800.00	\$ 225.00	EA	\$ 675.00
44	FURNISH AND INSTALL ADA RAMP WITH DETECTABLE WARNING MAT	1.34	2	\$ 60.00	EA \$		\$ 250.00	EA	\$ 500.00	\$ 400.00	EA	\$ 800.00	\$ 5,000.00	EA	\$ 10,000.00
45	FURNISH AND PLACE REFLECTIVE PAVEMENT MARKERS RESTORATION SUBTOTAL	_ 1.35	25	\$ 10.00	EA _\$	250.00 74,550.00	\$ 12.00	EA	\$ 300.00 \$ 81,150.00	\$ 11.00	EA	\$ 275.00 \$ 132,015.00	\$ 13.00	EA	\$ 325.00 \$ 239,420.00
	KESTOKATION SUBTOTAL					74,550.00	-		\$ 81,150.00	-		\$ 132,015.00	_		\$ 239,420.00
	MISCELLANEOUS														
46	ADDITIONAL COMPENSATION FOR EXCAVATION IN HARD ROCK CONDITIONS	1.36	10	\$ 17.0	LF \$	170.00	\$ 100.00	LF	\$ 1,000.00	\$ 20.00	LF	\$ 200.00	\$ 1,189.00	LF	\$ 11,890.00
	MISCELLANEOUS SUBTOTAL	-			<u>-</u>	170.00			\$ 1,000.00			\$ 200.00	. ,		\$ 11,890.00
							-			-			_		\$ 11,894.10
	PERMIT FF		EE (NPDES - NOI)	\$	600.00			\$ 600.00			\$ 600.00			\$ 600.00	
				CONTINGENCY	LS \$	45,000.00			\$ 45,000.00			\$ 45,000.00			\$ 45,000.00
	COST OF INDEMNIFICATION			LS \$	100.00			\$ 100.00			\$ 100.00			\$ 100.00	
			ESTIMATED (COST SUBTOTAL	\$,			\$ 45,700.00			\$ 45,700.00			\$ 45,700.00
	CONSTRUCTION AND GENERAL TOTAL				\$	449,260.00			\$ 650,000.00			\$ 749,255.00			\$ 1,118,720.00
															\$ 1,118,724.10