

**CITY OF CORAL GABLES**  
**FISCAL YEAR 2023-2027 FIVE YEAR CAPITAL IMPROVEMENT PLAN**  
**PROJECT SUMMARY & FUNDING SOURCES: [SANITARY SEWER & STORMWATER](#)**

**UTILITY REPAIRS/IMPROVEMENT PROJECT PARAMETERS**

This section covers Sanitary Sewer and Storm Water system improvements. The Sanitary Sewer system projects address the needs of repairing or renovating of 34 pump stations, 1,400 manholes and 64 lineal miles of sewer mains. The Storm Water system projects address storm water runoff and drainage conditions that impact local roads and other areas.

**UTILITY REPAIRS/IMPROVEMENT PROJECTS BY YEAR**

PAGE #	PROJECT NAME	FIVE-YEAR ESTIMATE								FIVE-YEAR PROJECT TOTAL
		2023				2024	2025	2026	2027	
		PR YR AVAIL	OPEN P.O.	NEW	TOTAL					
223	Sanitary Sewer Major Repairs	\$ 1,009,041	\$ 1,105,208	\$ 1,859,320	\$ 3,973,569	\$ 1,859,320	\$ 1,859,320	\$ 1,859,320	\$ 1,859,320	\$ 11,410,849
225	Sanitary Sewer Volume Ordinance	971	31,697	-	32,668	-	-	-	-	32,668
226	Force Main Replacement Program	11,411,133	3,920,657	-	15,331,790	-	-	-	-	15,331,790
227	Citywide Inflow & Infiltration Abatement	11,952	3,972	955,000	970,924	500,000	500,000	500,000	500,000	2,970,924
229	Station D Rehabilitation	96,195	1,203,805	-	1,300,000	-	-	-	-	1,300,000
231	Station E Rehabilitation	247	1,482	-	1,729	-	-	-	-	1,729
233	Station F Rehabilitation	-	124,506	-	124,506	-	-	-	-	124,506
235	Cocoplum Pump Station 1 Upgrade	78,569	-	-	78,569	-	-	-	-	78,569
236	City 2 Basin Gravity Sewer Improvement Phase II	443,904	9,250	-	453,154	-	-	-	-	453,154
237	Leucadendra 2 Pump Station Rehab.	1,492	431	-	1,923	-	-	-	-	1,923
239	Pump Station Remote Monitoring	658,161	293,660	-	951,821	-	-	-	-	951,821
241	Sanitary Sewer Electronic Atlas Update and Model Calibration	94,516	-	50,000	144,516	50,000	50,000	50,000	50,000	344,516
243	Sewer Pipe Cameras	1,329	2,892	50,000	54,221	5,000	5,000	5,000	5,000	74,221
244	Citywide Septic to Sewer Conversion Assessment	173,530	16,370	562,500	752,400	187,500	-	-	-	939,900
245	Stormwater System Improvement Program	1,053,175	399,177	300,000	1,752,352	300,000	300,000	275,000	250,000	2,877,352
247	Storm Drainage Master Plan	500,000	-	500,000	1,000,000	-	-	-	-	1,000,000
249	Cross-Connection Removal	269,833	188,311	-	458,144	100,000	100,000	100,000	100,000	858,144
251	Cocoplum Drainage Improvements	945,110	21,454	350,000	1,316,564	150,000	-	-	-	1,466,564
253	Canal Bank Stabilization	565,362	28,281	-	593,643	-	-	-	-	593,643
255	Sea Level Rise Mitigation Program	13,063,264	-	3,670,000	16,733,264	4,115,000	4,560,000	5,005,000	5,005,000	35,418,264
257	Stormwater Outfall Baffles	110,000	-	-	110,000	-	-	-	-	110,000
259	Coral Gables Waterways Maintenance	2,113,487	67,046	150,000	2,330,533	150,000	300,000	325,000	350,000	3,455,533
260	Coruna Canal Salinity Berm Rehabilitation	60,000	-	-	60,000	-	-	-	-	60,000
261	Sunrise Harbor Drainage/Repair Assessment	10,975	11,311	-	22,286	100,000	100,000	100,000	100,000	422,286
<b>TOTAL</b>		<b>\$ 32,672,246</b>	<b>\$ 7,429,510</b>	<b>\$ 8,446,820</b>	<b>\$ 48,548,576</b>	<b>\$ 7,516,820</b>	<b>\$ 7,774,320</b>	<b>\$ 8,219,320</b>	<b>\$ 8,219,320</b>	<b>\$ 80,278,356</b>

**CITY OF CORAL GABLES**  
**FISCAL YEAR 2023-2027 FIVE YEAR CAPITAL IMPROVEMENT PLAN**  
**PROJECT SUMMARY & FUNDING SOURCES: [SANITARY SEWER & STORMWATER](#)**

**UTILITY REPAIRS/IMPROVEMENT PROJECT PARAMETERS**

This section covers Sanitary Sewer and Storm Water system improvements. The Sanitary Sewer system projects address the needs of repairing or renovating of 34 pump stations, 1,400 manholes and 64 lineal miles of sewer mains. The Storm Water system projects address storm water runoff and drainage conditions that impact local roads and other areas.

**UTILITY REPAIRS/IMPROVEMENT PROJECTS BY FUNDING SOURCE**

PROJECT NAME	SANITARY SEWER	STORM WATER	SUN STATE FINANCING	GEN CAP IMPR	STATE GRANT	FIVE-YEAR PROJECT TOTAL
Sanitary Sewer Major Repairs	\$ 11,410,849	\$ -	\$ -	\$ -	\$ -	11,410,849
Sanitary Sewer Volume Ordinance	32,668	-	-	-	-	32,668
Force Main Replacement Program	1,540,202	-	13,791,588	-	-	15,331,790
Citywide Inflow & Infiltration Abatement	2,465,499	-	5,425	-	500,000	2,970,924
Station D Rehabilitation	1,300,000	-	-	-	-	1,300,000
Station E Rehabilitation	1,729	-	-	-	-	1,729
Station F Rehabilitation	124,506	-	-	-	-	124,506
Cocoplum Pump Station 1 Upgrade	78,569	-	-	-	-	78,569
City 2 Basin Gravity Sewer Improvement P	453,154	-	-	-	-	453,154
Leucadendra 2 Pump Station Rehab.	1,923	-	-	-	-	1,923
Pump Station Remote Monitoring	951,821	-	-	-	-	951,821
Sanitary Sewer Electronic Atlas Update an	344,516	-	-	-	-	344,516
Sewer Pipe Cameras	74,221	-	-	-	-	74,221
Citywide Septic to Sewer Conversion Assessment	49,900	-	-	515,000	375,000	939,900
Stormwater System Improvement Program	-	2,528,183	-	150,000	199,169	2,877,352
Storm Drainage Master Plan	-	500,000	-	-	500,000	1,000,000
Cross-Connection Removal	-	858,144	-	-	-	858,144
Cocoplum Drainage Improvements	-	1,466,564	-	-	-	1,466,564
Canal Bank Stabilization	-	129,061	-	309,785	154,797	593,643
Sea Level Rise Mitigation Program	-	35,418,264	-	-	-	35,418,264
Stormwater Outfall Baffles	-	110,000	-	-	-	110,000
Coral Gables Waterways Maintenance	-	2,555,533	-	-	900,000	3,455,533
Coruna Canal Salinity Berm Rehabilitation	-	60,000	-	-	-	60,000
Sunrise Harbor Drainage/Repair Assessment	-	419,721	-	-	2,565	422,286
<b>TOTAL</b>	<b>\$ 18,829,557</b>	<b>\$ 44,045,470</b>	<b>\$ 13,797,013</b>	<b>\$ 974,785</b>	<b>\$ 2,631,531</b>	<b>\$ 80,278,356</b>

**RELATED OPERATING COST FOR UTILITY REPAIRS/IMPROVEMENT PROJECTS**

EXPENSE TYPE	FIVE-YEAR ESTIMATE					FIVE-YEAR PROJECT TOTAL
	2023	2024	2025	2026	2027	
Sewer Pipe Cameras						
Personnel Services	-	-	-	-	-	-
Other Than Personnel Services	15,000	15,000	15,000	15,000	15,000	75,000
Stormwater Outfall Baffles						
Personnel Services	-	-	-	-	-	-
Other Than Personnel Services	10,000	10,000	10,000	10,000	10,000	50,000
<b>TOTAL RELATED OPERATING COST</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 125,000</b>

**CITY OF CORAL GABLES  
FISCAL YEAR 2023-2027 FIVE YEAR CAPITAL IMPROVEMENT PLAN  
CAPITAL IMPROVEMENT PROJECT DETAIL**

<b>PROJECT NAME:</b>	Sanitary Sewer Major Repairs		
<b>REQUESTING DEPARTMENT</b>	Public Works		
<b>PROJECT LOCATION:</b>	Citywide		
<b>PROJECT TYPE:</b>	Utility Repairs/Improvements	<b>PROJECT ACCOUNTING</b>	c-sanimtrx
<b>PRIORITY TYPE:</b>	General Repair	<b>NAME:</b>	

<b>DESCRIPTION</b>
The project encompasses the repair and improvements of various sanitary sewer infrastructure components citywide that are critical to the daily operation of the sanitary sewer utility. These repairs include point repairs to various sanitary force mains and gravity mains as needed and replacement of valves and check valves at various points along the system.

<b>JUSTIFICATION</b>
Various pump stations citywide have reached their useful operating life. Many of the components need to be upgraded and modernized to increase reliability.

PHASE/FACILITY	HISTORICAL EXPENSES	
	PRIOR YRS EXPENSES	2022 EXPENSES
General Design	\$ 718,229	\$ 12,596
General Construction	2,253,346	227,222
<b>TOTAL PROJECT</b>	<b>\$ 2,971,575</b>	<b>\$ 239,818</b>

FIVE-YEAR ESTIMATE								FIVE-YEAR PROJECT TOTAL
2023				2024	2025	2026	2027	
PR YR AVAIL	OPEN P.O.	NEW	TOTAL					
\$ 16,050	\$ 37,791	\$ -	\$ 53,841	\$ -	\$ -	\$ -	\$ -	\$ 53,841
992,991	1,067,417	1,859,320	3,919,728	1,859,320	1,859,320	1,859,320	1,859,320	11,357,008
			-					-
			-					-
<b>\$ 1,009,041</b>	<b>\$ 1,105,208</b>	<b>\$ 1,859,320</b>	<b>\$ 3,973,569</b>	<b>\$ 1,859,320</b>	<b>\$ 1,859,320</b>	<b>\$ 1,859,320</b>	<b>\$ 1,859,320</b>	<b>\$11,410,849</b>

FUNDING SOURCE		HISTORICAL EXPENSES	
FUND #	FUNDING TYPE	PRIOR FUNDING	2022 FUNDING
410	Sanitary Sewer	\$ 2,927,355	\$ 239,038
410	Dept of Emergency Managemen	44,220	780
<b>TOTAL FUNDING</b>		<b>\$ 2,971,575</b>	<b>\$ 239,818</b>

FIVE-YEAR ESTIMATE								FIVE-YEAR PROJECT TOTAL
2023				2024	2025	2026	2027	
PR YR AVAIL	OPEN P.O.	NEW	TOTAL					
\$ 1,009,041	\$ 1,105,208	\$ 1,859,320	\$ 3,973,569	\$ 1,859,320	\$ 1,859,320	\$ 1,859,320	\$ 1,859,320	\$11,410,849
-	-	-	-	-	-	-	-	-
			-					-
			-					-
			-					-
<b>\$ 1,009,041</b>	<b>\$ 1,105,208</b>	<b>\$ 1,859,320</b>	<b>\$ 3,973,569</b>	<b>\$ 1,859,320</b>	<b>\$ 1,859,320</b>	<b>\$ 1,859,320</b>	<b>\$ 1,859,320</b>	<b>\$11,410,849</b>

RELATED OPERATING COST		
FUND #	FUNDING TYPE	OPERATING EXPENSE TYPE
<b>PERSONAL SERVICES</b>		
<b>TOTAL PERSONNEL</b>		
<b>OTHER THAN PERSONAL SERVICES</b>		
<b>TOTAL OTHER THAN PERSONNEL</b>		
<b>TOTAL RELATED OPERATING COST</b>		

FIVE-YEAR ESTIMATE					
2023	2024	2025	2026	2027	PROJECT TOTAL
					\$ -
					-
					-
					-
					-
					-
-	-	-	-	-	-
					\$ -
					-
					-
					-
					-
-	-	-	-	-	-
<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**CITY OF CORAL GABLES  
FISCAL YEAR 2023-2027 FIVE YEAR CAPITAL IMPROVEMENT PLAN  
CAPITAL IMPROVEMENT PROJECT DETAIL**

<b>PROJECT NAME:</b>	<b>Sanitary Sewer Repairs - Dade County Ordinance</b>		
<b>REQUESTING DEPARTMENT</b>	Public Works		
<b>PROJECT LOCATION:</b>	Citywide		
<b>PROJECT TYPE:</b>	Utility Repairs/Improvements	<b>PROJECT ACCOUNTING NAME:</b>	c-sani-vol
<b>PRIORITY TYPE:</b>	Regulatory		

<b>DESCRIPTION</b>
The Miami-Dade County has signed a new Consent Decree with the FDEP, USEPA and the US Department of Justice requiring the County to make changes to its sanitary sewer operating practices in order to insure compliance with State and Federal codes for the operation of sanitary sewer collection systems. This request will be use for the implementation of the proposed Volume Sewer Customer Ordinance Amendments under the Miami-Dade County Consent Decree.

<b>JUSTIFICATION</b>
As a result of the new EPA Consent Decree, effective date December 6, 2013, all utility volume sewer customers (VSC) in Miami-Dade County are required to provide a Plan of Compliance documenting how they will comply with the new requirements of the Consent Decree.

<b>PROJECT ESTIMATES</b>		<b>HISTORICAL EXPENSES</b>	
<b>PHASE/FACILITY</b>	<b>PRIOR YRS EXPENSES</b>	<b>2022 EXPENSES</b>	
General Design	\$ 1,135,078	\$ 95,993	
General Construction	513,198	6,000	
<b>TOTAL PROJECT</b>	<b>\$ 1,648,276</b>	<b>\$ 101,993</b>	

<b>FIVE-YEAR ESTIMATE</b>								<b>FIVE-YEAR PROJECT TOTAL</b>
<b>2023</b>				<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	
<b>PR YR AVAIL</b>	<b>OPEN P.O.</b>	<b>NEW</b>	<b>TOTAL</b>					
\$ -	\$ 26,584	\$ -	\$ 26,584	\$ -	\$ -	\$ -	\$ -	\$ 26,584
971	5,113	-	6,084	-	-	-	-	6,084
			-					-
			-					-
<b>\$ 971</b>	<b>\$ 31,697</b>	<b>\$ -</b>	<b>\$ 32,668</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 32,668</b>

<b>FUNDING SOURCE</b>		<b>HISTORICAL EXPENSES</b>	
<b>FUND #</b>	<b>FUNDING TYPE</b>	<b>PRIOR FUNDING</b>	<b>2022 FUNDING</b>
410	Sunshine State Financing	\$ 1,608,176	\$ 20,315
410	Sanitary Capacity Fee	40,100	81,678
<b>TOTAL FUNDING</b>		<b>\$ 1,648,276</b>	<b>\$ 101,993</b>

<b>FIVE-YEAR ESTIMATE</b>								<b>FIVE-YEAR PROJECT TOTAL</b>
<b>2023</b>				<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	
<b>PR YR AVAIL</b>	<b>OPEN P.O.</b>	<b>NEW</b>	<b>TOTAL</b>					
\$ 871	\$ 28,639	\$ -	\$ 29,510	\$ -	\$ -	\$ -	\$ -	\$ 29,510
100	3,058	-	3,158	-	-	-	-	3,158
			-					-
			-					-
<b>\$ 971</b>	<b>\$ 31,697</b>	<b>\$ -</b>	<b>\$ 32,668</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 32,668</b>

<b>RELATED OPERATING COST</b>		
<b>FUND #</b>	<b>FUNDING TYPE</b>	<b>OPERATING EXPENSE TYPE</b>
<b>PERSONAL SERVICES</b>		
<b>TOTAL PERSONNEL</b>		
<b>OTHER THAN PERSONAL SERVICES</b>		
<b>TOTAL OTHER THAN PERSONNEL</b>		
<b>TOTAL RELATED OPERATING COST</b>		

<b>FIVE-YEAR ESTIMATE</b>					
<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>PROJECT TOTAL</b>
					\$ -
					-
					-
					-
					-
					-
					-
					-
					-
					-
					\$ -
					-
					-
					-
					-
					-
					-
					-
					-
					-
					-
					-
<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**CITY OF CORAL GABLES**  
**FISCAL YEAR 2023-2027 FIVE YEAR CAPITAL IMPROVEMENT PLAN**  
**CAPITAL IMPROVEMENT PROJECT DETAIL**

<b>PROJECT NAME:</b>	Force Main Replacement Program		
<b>REQUESTING DEPARTMENT</b>	Public Works		
<b>PROJECT LOCATION:</b>	Citywide		
<b>PROJECT TYPE:</b>	Sanitary Sewer Improvements	<b>PROJECT ACCOUNTING</b>	c-forcepgm
<b>PRIORITY TYPE:</b>	General Repair	<b>NAME:</b>	

<b>DESCRIPTION</b>
The Sanitary Sewer Force Main Replacement Program is a multi-faceted program developed to facilitate the continued operation and maintenance of the City's force main transmission system. The program is in compliance with the Miami-Dade Consent Decree and designed to support the goal of eliminating or reducing sanitary sewer overflows. The first leg of this project involves the replacement of 4,650 LF of 20-inch sanitary sewer force main from Ponce Rd and SW 72nd St, north on Ponce Rd to Alhambra Circle South, then east and north along Alhambra Circle South to Ponce de Leon Blvd.

<b>JUSTIFICATION</b>
This project aligns with the City's "Customer-focused Excellence" goal to "Provide exceptional services that meet or exceed the requirements and expectations of our community." These improvements will enhance the area's sanitary sewer system. The replacement is necessary as the existing force main has reached the end of its useful life. In addition, this is necessary to improve reliability and functionality of the line and to ensure compliance with Miami-Dade County's consent decree. The City of Coral Gables is a Volume Sewer Customer and is therefore bound by the Volume Sewer Customer Ordinance.

PHASE/FACILITY	HISTORICAL EXPENSES		FIVE-YEAR ESTIMATE								
	PRIOR YRS	2022	2023				2024	2025	2026	2027	FIVE-YEAR PROJECT TOTAL
	EXPENSES	EXPENSES	PR YR AVAIL	OPEN P.O.	NEW	TOTAL					
South Alhambra Force Main	\$ 4,294	\$ 1,191,799	\$ 402,569	\$ 665,250	\$ -	\$ 1,067,819	\$ -	\$ -	\$ -	\$ -	\$ 1,067,819
Campana/Rovino Force Main	-	46,817	-	136,768	-	136,768	-	-	-	-	136,768
City 2 Force Main	-	33,055	2,085,857	367,088	-	2,452,945	-	-	-	-	2,452,945
City 3 Force Main	-	139,935	2,821,918	148,147	-	2,970,065	-	-	-	-	2,970,065
City 6 Force Main	-	-	-	85,038	-	85,038	-	-	-	-	85,038
Cocoplum 3 Force Main	40,002	1,432	35,911	758,297	-	794,208	-	-	-	-	794,208
Journey's End Force Main	-	-	118,644	796,810	-	915,454	-	-	-	-	915,454
Ponce De Leon/Granada Force Main	-	24,141	5,192,909	332,950	-	5,525,859	-	-	-	-	5,525,859
Station E Force Main	-	-	51,545	572,455	-	624,000	-	-	-	-	624,000
Station F Force Main	-	-	128,000	-	-	128,000	-	-	-	-	128,000
University Drive/Cadima Force Main	-	17,831	573,780	57,854	-	631,634	-	-	-	-	631,634
<b>TOTAL PROJECT</b>	<b>\$ 44,296</b>	<b>\$ 1,455,010</b>	<b>\$ 11,411,133</b>	<b>\$ 3,920,657</b>	<b>\$ -</b>	<b>\$ 15,331,790</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,331,790</b>

FUND #	FUNDING TYPE	HISTORICAL EXPENSES		FIVE-YEAR ESTIMATE								
		PRIOR FUNDING	2022 FUNDING	2023				2024	2025	2026	2027	FIVE-YEAR PROJECT TOTAL
				PR YR AVAIL	OPEN P.O.	NEW	TOTAL					
410	Sunshine State Financing	\$ 4,294	\$ 1,454,118	\$ 11,292,489	\$ 2,499,099	\$ -	\$ 13,791,588	\$ -	\$ -	\$ -	\$ -	\$ 13,791,588
410	Sanitary Sewer	40,002	892	118,644	1,421,558	-	1,540,202	-	-	-	-	1,540,202
							-					-
							-					-
<b>TOTAL FUNDING</b>		<b>\$ 44,296</b>	<b>\$ 1,455,010</b>	<b>\$ 11,411,133</b>	<b>\$ 3,920,657</b>	<b>\$ -</b>	<b>\$ 15,331,790</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,331,790</b>

FUND #	FUNDING TYPE	OPERATING EXPENSE TYPE	FIVE-YEAR ESTIMATE					PROJECT TOTAL
			2023	2024	2025	2026	2027	
<b>PERSONAL SERVICES</b>								
							\$ -	
							-	
							-	
							-	
							-	
<b>TOTAL PERSONNEL</b>							-	
<b>OTHER THAN PERSONAL SERVICES</b>								
							\$ -	
							-	
							-	
							-	
<b>TOTAL OTHER THAN PERSONNEL</b>							-	
<b>TOTAL RELATED OPERATING COST</b>							\$ -	



CITY OF CORAL GABLES  
FISCAL YEAR 2023-2027 FIVE YEAR CAPITAL IMPROVEMENT PLAN  
CAPITAL IMPROVEMENT PROJECT DETAIL

<b>PROJECT NAME:</b>	Pump Station D Rehabilitation		
<b>REQUESTING DEPARTMENT</b>	Public Works		
<b>PROJECT LOCATION:</b>	7557 Los Pinos Boulevard		
<b>PROJECT TYPE:</b>	Utility Repairs/Improvements	<b>PROJECT ACCOUNTING NAME:</b>	c-stationd
<b>PRIORITY TYPE:</b>	Regulatory		

<b>DESCRIPTION</b>
The improvements proposed include the installation of new pump units and support structures as well as enhancements to the station's instrumentation, control systems and back-up emergency generator.

<b>JUSTIFICATION</b>
Sanitary sewer flows received by the Station D will be re-routed after the Cocoplum 1 pump station and FM project is completed therefore the hydraulics of the station will be reduced. In addition that many pump components need to be upgraded and modernized; a complete rehabilitation of the station is proposed to increase reliability and comply with regulatory standards. The Project aligns with the City's Strategic Plan Objectives to optimize city processes and operation to provide cost-effective services and to provide exceptional services that enhance local and environmental quality.

PROJECT ESTIMATES		HISTORICAL EXPENSES	
PHASE/FACILITY	PRIOR YRS EXPENSES	2022 EXPENSES	
General Design	\$ 43,340	\$ 6,410	
General Construction	663,268	-	
<b>TOTAL PROJECT</b>	<b>\$ 706,608</b>	<b>\$ 6,410</b>	

FIVE-YEAR ESTIMATE								FIVE-YEAR PROJECT TOTAL
2023				2024	2025	2026	2027	
PR YR AVAIL	OPEN P.O.	NEW	TOTAL					
\$ 50,250	\$ -	\$ -	\$ 50,250	\$ -	\$ -	\$ -	\$ -	\$ 50,250
45,945	1,203,805	-	1,249,750	-	-	-	-	1,249,750
			-					-
			-					-
<b>\$ 96,195</b>	<b>\$ 1,203,805</b>	<b>\$ -</b>	<b>\$ 1,300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,300,000</b>

FUNDING SOURCE		HISTORICAL EXPENSES	
FUND #	FUNDING TYPE	PRIOR FUNDING	2022 FUNDING
410	Sanitary Sewer	\$ 706,608	\$ 6,410
<b>TOTAL FUNDING</b>		<b>\$ 706,608</b>	<b>\$ 6,410</b>

FIVE-YEAR ESTIMATE								FIVE-YEAR PROJECT TOTAL
2023				2024	2025	2026	2027	
PR YR AVAIL	OPEN P.O.	NEW	TOTAL					
\$ 96,195	\$ 1,203,805	\$ -	\$ 1,300,000	\$ -	\$ -	\$ -	\$ -	\$ 1,300,000
			-					-
			-					-
<b>\$ 96,195</b>	<b>\$ 1,203,805</b>	<b>\$ -</b>	<b>\$ 1,300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,300,000</b>

RELATED OPERATING COST		
FUND #	FUNDING TYPE	OPERATING EXPENSE TYPE
<b>PERSONAL SERVICES</b>		
<b>TOTAL PERSONNEL</b>		
<b>OTHER THAN PERSONAL SERVICES</b>		
<b>TOTAL OTHER THAN PERSONNEL</b>		
<b>TOTAL RELATED OPERATING COST</b>		

FIVE-YEAR ESTIMATE					
2023	2024	2025	2026	2027	PROJECT TOTAL
					\$ -
					-
					-
					-
					-
					-
					-
					-
					-
					-
					-
					-
					-
<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>









































CITY OF CORAL GABLES  
FISCAL YEAR 2023-2027 FIVE YEAR CAPITAL IMPROVEMENT PLAN  
CAPITAL IMPROVEMENT PROJECT DETAIL

<b>PROJECT NAME:</b>	<b>Coruna Canal Salinity Berm Rehabilitation</b>		
<b>REQUESTING DEPARTMENT</b>	Public Works		
<b>PROJECT LOCATION:</b>	South of Coruna Avenue		
<b>PROJECT TYPE:</b>	Stormwater Improvements	<b>PROJECT ACCOUNTING NAME:</b>	c-corunacan
<b>PRIORITY TYPE:</b>	General Repair		

<b>DESCRIPTION</b>			
<p>The berm crosses the south side of the canal of Coruna Avenue. A breach had eroded away near the center of the berm, and the bottom of the breach area is only a few inches above water level. Heavy vegetation was noted on the west side of the berm, portions of the east slope were grassy, although some erosion was also noted on the east side. The berm breach will be structurally repaired and the area rehabilitated.</p>			

<b>JUSTIFICATION</b>			
<p>This project entails the north and south earthen dams located in the Coral Bay Subdivision Section C, Gables-by-the-Sea. The construction of salinity dams near the coast, specifically in this case, the construction of the Coral Bay earthen dams in 1972, has prevented and reversed salt-water intrusion into the highly permeable Biscayne aquifer by careful management of the water resources. This project aligns with the City's Strategic Plan's "Sustainability-focused Excellence" objective to "Develop contingency plans and resources to address potential environmental changes such as sea level rise."</p>			

PROJECT ESTIMATES		HISTORICAL EXPENSES	
PHASE/FACILITY	PRIOR YRS EXPENSES	2022 EXPENSES	
General Design	\$ -	\$ -	
General Construction	-	-	
<b>TOTAL PROJECT</b>	\$ -	\$ -	

FIVE-YEAR ESTIMATE								FIVE-YEAR PROJECT TOTAL
2023				2024	2025	2026	2027	
PR YR AVAIL	OPEN P.O.	NEW	TOTAL					
\$ 15,000	\$ -	\$ -	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ 15,000
45,000	-	-	45,000	-	-	-	-	45,000
			-					-
			-					-
\$ 60,000	\$ -	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ 60,000

FUNDING SOURCE		HISTORICAL EXPENSES	
FUND #	FUNDING TYPE	PRIOR FUNDING	2022 FUNDING
400	Stormwater	\$ -	\$ -
<b>TOTAL FUNDING</b>		\$ -	\$ -

FIVE-YEAR ESTIMATE								FIVE-YEAR PROJECT TOTAL
2023				2024	2025	2026	2027	
PR YR AVAIL	OPEN P.O.	NEW	TOTAL					
\$ 60,000	\$ -	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ 60,000
			-					-
			-					-
\$ 60,000	\$ -	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ 60,000

RELATED OPERATING COST		
FUND #	FUNDING TYPE	OPERATING EXPENSE TYPE
PERSONAL SERVICES		
<b>TOTAL PERSONNEL</b>		
OTHER THAN PERSONAL SERVICES		
<b>TOTAL OTHER THAN PERSONNEL</b>		
<b>TOTAL RELATED OPERATING COST</b>		

FIVE-YEAR ESTIMATE					
2023	2024	2025	2026	2027	PROJECT TOTAL
					\$ -
					-
					-
					-
					-
					-
					\$ -
					-
					-
					-
					-
					-
					-
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**CITY OF CORAL GABLES  
FISCAL YEAR 2023-2027 FIVE YEAR CAPITAL IMPROVEMENT PLAN  
CAPITAL IMPROVEMENT PROJECT DETAIL**

<b>PROJECT NAME:</b>	Sunrise Harbor Drainage/Repair Assessment		
<b>REQUESTING DEPARTMENT</b>	Public Works		
<b>PROJECT LOCATION:</b>	Sunrise Harbor		
<b>PROJECT TYPE:</b>	Stormwater Improvements	<b>PROJECT ACCOUNTING NAME:</b>	c-sun-harb
<b>PRIORITY TYPE:</b>	General Repair		

<b>DESCRIPTION</b>	<p>The project consists of a drainage assessment of the Sunrise Neighborhood and adjacent contributing areas. The project will include a topographic survey of the entire neighborhood, including the existing outfall pipes, proposed drainage solutions aided by computer models, an opinion of cost, and a summary of permitting requirements. The project will recommend actions to improve not only current flooding issues but also water quality discharge to the waterway. The assessment will indicate the scope of the project as well as providing a more clear picture of the total cost of repair. Phase 1 of drainage improvements will be performed along Edgewater Drive, West Sunrise Ave, Morningside Drive and Prospect Drive. These improvements will be designed and constructed to mitigate the existing water ponding issues and flooding that occurs within the area.</p>		
--------------------	---	--	--

<b>JUSTIFICATION</b>	<p>Stormwater drainage improvements at Sunrise Harbor Community are necessary to reduce flooding during storm and tidal events. The area has experienced rainfall as well as tidal flooding in several locations causing hazardous conditions. This project aligns with the City's strategic plan objectives to provide exceptional services that enhance local and global environmental quality, enrich our local economy, and strengthen the health and well-being of our current and future residents, businesses and visitors.</p>		
----------------------	--	--	--

PROJECT ESTIMATES			
PHASE/FACILITY	HISTORICAL EXPENSES		
	PRIOR YRS EXPENSES	2022 EXPENSES	
General Design	\$ 303,791	\$ 23,923	
Sunrise Harbor Phase 1	-	-	
<b>TOTAL PROJECT</b>	<b>\$ 303,791</b>	<b>\$ 23,923</b>	

FIVE-YEAR ESTIMATE								FIVE-YEAR PROJECT TOTAL
2023				2024	2025	2026	2027	
PR YR AVAIL	OPEN P.O.	NEW	TOTAL					
\$ 10,975	\$ 11,311	\$ -	\$ 22,286	\$ -	\$ -	\$ -	\$ -	\$ 22,286
-	-	-	-	100,000	100,000	100,000	100,000	400,000
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
<b>\$ 10,975</b>	<b>\$ 11,311</b>	<b>\$ -</b>	<b>\$ 22,286</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 422,286</b>

FUNDING SOURCE			
FUND #	FUNDING TYPE	HISTORICAL EXPENSES	
		PRIOR FUNDING	2022 FUNDING
400	Stormwater	\$ 206,356	\$ 23,923
400	Dept of Envir Protection	97,435	-
<b>TOTAL FUNDING</b>		<b>\$ 303,791</b>	<b>\$ 23,923</b>

FIVE-YEAR ESTIMATE								FIVE-YEAR PROJECT TOTAL
2023				2024	2025	2026	2027	
PR YR AVAIL	OPEN P.O.	NEW	TOTAL					
\$ 8,410	\$ 11,311	\$ -	\$ 19,721	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 419,721
2,565	-	-	2,565	-	-	-	-	2,565
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
<b>\$ 10,975</b>	<b>\$ 11,311</b>	<b>\$ -</b>	<b>\$ 22,286</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 422,286</b>

RELATED OPERATING COST		
FUND #	FUNDING TYPE	OPERATING EXPENSE TYPE
<b>PERSONAL SERVICES</b>		
<b>TOTAL PERSONNEL</b>		
<b>OTHER THAN PERSONAL SERVICES</b>		
<b>TOTAL OTHER THAN PERSONNEL</b>		
<b>TOTAL RELATED OPERATING COST</b>		

FIVE-YEAR ESTIMATE					
2023	2024	2025	2026	2027	PROJECT TOTAL
					\$ -
					-
					-
					-
					-
					-
					-
					-
					-
					-
<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>