

Attachment 4 - Sewer CIP											
Capital Project	Description	Current Year Budget	Current Year Estimate	2022	2023	2024	2025	2026	2027	Total	
SCADA and Facilities Projects											
000744A-Miscellaneous Improvements	Annual program devoted to rehabilitating or upgrading Utility owned buildings or structures as prioritized or needed.	444,100	218,000	487,000	590,000	205,000	-	-	-	1,500,000	
001057A-General Upgrades to Supervisory Control and Data Acquisition (SCADA)	Annual program to upgrade technology and equipment in support of the utility SCADA system.	557,000	236,600	479,000	425,000	404,000	271,500	120,000	160,000	2,096,100	
002149A-Logan Laboratory Improvements	Hurricane-hardened Water & Sewer System Monitoring & Administration Building to replace the aging facility currently sharing the Logan Pump Station building.	47,600	233,000	289,000	995,000	997,000	166,000	-	-	2,680,000	
003763A-Utilities Facilities Security	Security systems including cameras, gates, fences, locking mechanisms, etc.	120,000	63,000	90,000	100,000	100,000	120,000	120,000	120,000	713,000	
003765A-Quantum and Unity Upgrade	Upgrade all quantum primary logic controllers utility wide and have them run off of Unity software.	268,000	600,000	1,280,000	2,000,000	-	-	-	-	3,880,000	
004578A-Building Hardening - General Maintenance Building South	The General Maintenance Building South recently was evaluated as to how much wind resistance the structure can carry. Results of the study is that there is insufficient wind resistance capacity in this building.	175,000	25,000	494,000	-	-	-	-	-	519,000	
New Project Request - Regional Resource Recovery Facility	Design and construction of a resource recovery facility.	-	-	-	1,750,000	1,750,000	-	-	-	3,500,000	
Total SCADA and Facilities Projects		1,611,700	1,375,600	3,119,000	5,860,000	3,456,000	557,500	240,000	280,000	14,888,100	
South Cross Bayou Facility Projects											
000847A-South Cross Bayou Wastewater Treatment Facility Upgrades and Replacement	Annual program devoted to rehabilitating, upgrading, or installing new equipment at the South Cross Bayou Wastewater Treatment Facility.	525,000	736,000	400,000	400,000	400,000	400,000	400,000	400,000	3,136,000	
002166A-South Cross Bayou Dewatering Improvements	Evaluate dewatering system and design and construct new upgraded system to replace the old equipment that has ended its useful lifecycle.	237,000	406,000	-	2,315,000	3,770,000	1,350,000	-	-	7,841,000	
002937A-South Cross Bayou Aeration Improvements	Provide necessary improvements to the air header system. Improvements to include air flow meters, modulation valves and upgrade the micro air diffusers.	-	-	-	560,000	1,005,000	2,250,000	3,850,000	-	7,665,000	
002938A-South Cross Bayou Bio solids Process Train Improvements	Provide necessary improvements to the bio solids process train to increase process productivity and capacity.	156,600	7,000	450,000	-	1,575,000	4,575,000	-	-	6,607,000	
002941A-South Cross Bayou High Service Pump Improvements	New pumps for distribution needs at South Cross Bayou.	-	-	200,000	500,000	1,400,000	-	-	-	2,100,000	
002944A-South Cross Bayou Grit Facility Improvements	Upgrade, improve level of service and efficiency for removal of grit from wastewater.	14,070,000	14,070,000	6,451,000	-	-	-	-	-	20,521,000	
003407A-South Cross Bayou Pavement Rehabilitation	Milling and resurfacing of pavement at South Cross.	-	-	-	30,000	720,000	-	-	-	750,000	
003408A-South Cross Bayou Denitrification Filter Rehab	Rehabilitate South Cross Bayou Denitrification filter to increase treatment.	502,000	308,000	-	-	6,550,000	4,428,000	-	-	11,286,000	
003756A-SCB Plant Lighting Upgrades	Upgrade lighting system at County Wastewater Treatment facility. Upgrading lighting to LED technology realizes a significant energy savings. This project is also tied into safety of the County workforce.	1,230,000	2,474,000	-	-	-	-	-	-	2,474,000	
003758A-South Cross Bayou Influent Pump Station Improvements	Improvements to the influent pump station, inclusive of pump replacement, variable frequency drive replacement, grinder removal, and wet well coatings.	-	-	-	400,000	-	1,300,000	1,300,000	-	3,000,000	
003759A-South Cross Bayou Operations and Control Building Improvements	Expansion of the existing operations building.	150,000	-	300,000	-	1,000,000	-	-	-	1,300,000	
003766A-SCB Force Main Sampling Skids	Design, build and install (2) identical portable skids that contain the necessary equipment to pull a 'real-time' sample from a sanitary sewer force main.	-	-	-	-	-	-	-	-	-	

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004358A-South Cross Bayou Digester Gas Flowmeter Installation	Installation of individual flow meters in the digester gas lines including mechanical, electrical, Supervisory Control And Data Acquisition, and instrumentation work.	370,000	105,000	735,000	-	-	-	-	-	840,000	
004359A-South Cross Bayou North and South Train Primary Clarifier Improvements	Hydrogen Sulfide has degraded the structural concrete and grating for both the North and South Train Primary Clarifiers.	-	-	-	135,000	510,000	1,020,000	-	-	1,665,000	
004368A-South Cross UV Disinfection System Replacement	During the recent event, the Ultraviolet (UV) disinfection area was flooded, resulting in significant damage. This project will replace this system.	300,000	-	250,000	2,500,000	2,500,000	-	-	-	5,250,000	
004489A-SCB Roofing replacements - Multiple Buildings	Replacement of roofs at the Maintenance, EEC, Dechlorination and Generator Buildings at the South Cross Bayou Water Reclamation Facility.	415,000	453,000	-	-	500,000	-	-	-	953,000	
New Project Request - South Cross Bayou Pelletizer Dust Hazard Mitigation	Installing explosion suppression protective equipment devices to reduce the risk of a fire event caused by flammable dust emitted during the palletization process.	-	-	400,000	-	-	-	-	-	400,000	
New Project Request - South Cross Bayou Switchgear Replacement	Four year program to replace approximately 12 electrical switchgear at the South Cross Bayou Advanced Water Reclamation Facility.	-	-	120,000	1,520,000	1,520,000	1,520,000	1,430,000	-	6,110,000	
New Project Request - South Cross Bayou Reclaim Water Storage Tanks	Rehabilitation of 5-Reclaim water storage tanks throughout Pinellas County Utilities system.	-	10,000	20,000	320,000	300,000	-	-	-	650,000	
New Project Request - South Cross Bayou Fiber Optics	Replace fiber optics throughout the South Cross Bayou Water Treatment Plant.	-	10,000	150,000	375,000	-	-	-	-	535,000	
Total South Cross Bayou Facility Projects		17,955,600	18,579,000	9,476,000	9,055,000	21,750,000	16,843,000	6,980,000	400,000	83,083,000	
Dunn Wastewater Treatment Projects											
000852A-W.E. Dunn Wastewater Treatment Facility Upgrades and Repair and Replacement	Annual program devoted to rehabilitating, upgrading, or installing new equipment at the W.E. Dunn Wastewater Treatment Facility.	500,000	500,000	700,000	500,000	500,000	500,000	500,000	500,000	3,700,000	
003122B-Dunn Filtration and Disinfection Improvements	Upgrade W.E. Dunn Water Reclamation Facility plant disinfection and filtration systems.	3,500,000	450,000	11,000,000	210,000	-	-	-	-	11,660,000	
003409A-Dunn Electrical Upgrades	New motor control centers and generators at the Dunn Facility.	-	-	3,350,000	5,150,000	-	-	-	-	8,500,000	
003430A-Dunn Sludge Press Upgrades	Replace the existing sludge press at the Dunn Facility.	-	-	-	400,000	-	2,000,000	-	-	2,400,000	
003431A-Dunn Pond Liner and Reject Tank	Replace liner in both ponds (reclaimed storage and reject storage) and provide a new storage tank for reject water.	-	-	-	-	-	-	300,000	-	300,000	
003432A-Dunn Odor Control System	Evaluate existing odor control system and provide new improved ability to maintain target odor removal.	-	-	-	-	-	-	300,000	-	300,000	
003433A-Dunn Storage Building	Design and construct additional storage building to house and protect equipment.	-	370,000	-	-	-	-	-	-	370,000	
003438A-Dunn Ditch Erosion	Design engineered ditch improvement to prevent ongoing erosion.	100,000	120,000	-	-	-	-	-	-	120,000	
003746A-WED Grit Capture System Improvements	Make improvements to increase the grit collection from the wastewater flow at the WE Dunn Water Treatment facility.	150,000	-	-	200,000	-	1,000,000	4,600,000	-	5,800,000	
003747A-WE Dunn Offsite Reclaim Pump Station Improvements	Full rehabilitation of the offsite reclaim pump station.	300,000	284,000	116,000	2,206,000	2,122,000	-	-	-	4,728,000	
003750A-WE Dunn Internal Recycle Pump Station Rehabilitation	Modify the Internal recycle pump station to create better quality of treated wastewater.	-	-	100,000	300,000	2,040,000	4,900,000	-	-	7,340,000	
004361A-WE Dunn Fall Protection Installation	Provide permanent fall protection systems at the WE Dunn wastewater treatment plant structures to allow plant staff safe access to work areas and tank structures.	-	-	-	101,000	895,000	531,000	-	-	1,527,000	

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004362A-WED Operations Building Modifications	This project will extend the laboratory and SCADA (Supervisory Control And Data Acquisition) rooms into the unused portion of the education portion of the building	-	-	-	50,000	175,000	238,000	-	-	463,000	
004365A-Dunn Exploratory Well	Design and permit an Aquifer Storage Recovery system at the Dunn Plant.	900,000	5,000	900,000	855,000	-	1,550,000	2,895,000	-	6,205,000	
Total Dunn Wastewater Treatment Projects		5,450,000	1,729,000	16,166,000	9,972,000	5,732,000	10,719,000	8,595,000	500,000	53,413,000	
Meters											
003769A-Reclaimed Water Meters	Purchase and installation of reclaimed water meters.	100,000	296,000	2,809,000	2,811,000	2,812,000	-	-	-	8,728,000	
Total Meter Project		100,000	296,000	2,809,000	2,811,000	2,812,000	-	-	-	8,728,000	
Relocation Projects											
000183C-Pinellas Trail & 54th Avenue North Utility Relocation for Drainage Improvements	Relocation of County utility force mains and reclaimed water transmission due to the Public Works Drainage Improvements at Pinellas Trail & 54th Ave.	-	3,000	-	-	-	-	-	-	3,000	
000700B-Westwinds Dr. Bridge Replacement - Utility Relocations	The relocation of a water line and force main in conjunction with the Westwinds Bridge replacement project.	-	20,000	115,000	-	-	-	-	-	135,000	
000702B-Crosswinds Dr. Bridge Replacement - Utility Relocations	The relocation of a water main and gravity sewer in conjunction with the Oakwood Bridge replacement project.	-	33,000	40,000	-	-	-	-	-	73,000	
000791A-FDOT Relocation Projects Miscellaneous	Annual funding devoted to relocating water, sanitary sewer and/or reclaimed water lines due to Florida Department of Transportation (FDOT) related road construction or modifications.	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	700,000	
000831A-Water, Sewer and Reclaimed Water Relocation Projects	Annual funding devoted to relocating water, sanitary sewer and/or reclaimed water lines due to Pinellas County Stormwater & Transportation related construction or modifications. Includes Pinellas County and municipal work.	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	700,000	
001333B-North Highland Avenue Water and Sewer Improvments Phase I	Replace and relocate water and sewer lines, new service connections and fire protection.	-	-	320,000	21,000	-	-	-	-	341,000	
001035B-Oakwood Dr. Bridge Replacement Utility Relocations	The relocation of water and force mains in conjunction with the Oakwood Bridge replacement improvements.	-	-	-	49,000	-	-	-	-	49,000	
001177D-Lakeshore Estates Road and Drainage Improvements Phase II Utilities Relocations	Replace existing cast iron water and sewer force mains within project area limits.	300,000	212,000	70,000	-	-	-	-	-	282,000	
001280B-High Bluff Utility Relocation for Drainage Improvements	The relocation and improvements to the water lines and realigning of gravity sewer in conjunction with the High Bluff Drainage improvements.	50,000	-	-	-	-	-	-	-	-	
001523A-FDOT US19 Northside to CR95	Widening of US19 and the construction of an overpass at US19 and Curlew Rd. The roadway and drainage improvements will impact the county's existing 36in transmission main and the distribution mains.	-	-	50,000	100,000	-	-	-	-	150,000	
001817B-Crystal Beach Water, Sewer and Reclaim Water Relocations Along Grace St., Seafford Ave., Disston St. and Florida Blvd.	Water, sewer, and reclaim water relocations, improvements and adjustments as needed to facilitate the construction of a Public Works roadway and drainage improvements.	-	103,000	103,000	-	-	-	-	-	206,000	
002063B-Starkey Road Utility Relocation from Flame Vine Ave to Bryan Dairy Road	Pinellas County Public Works Department has a roadway and drainage improvement project along Starkey Road from Flame Vine Road to Bryan Dairy Road (Approximately 1.50 miles of proposed improvements).	1,050,000	50,000	1,015,000	1,140,000	-	-	-	-	2,205,000	
002106B-Haines Road - 60th Avenue to US 19 Utility Relocation for Roadway and Drainage Improvements	Relocation of utilities in conflict with the Haines Rd-60th Ave to US 19 Roadway and Drainage Improvement Project	-	28,000	-	-	-	-	-	-	28,000	
002232B-Indian Rocks Road Sidewalk Improvements Phase 2B From Church Creek to 8th Avenue SW - Utilities Relocations	The relocation of water mains and adjustments to sewer in conjunction with the Indian Rocks Road Sidewalk Phase 2B and minor drainage improvements.	-	15,000	60,000	-	-	-	-	-	75,000	

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			Estimate									
002690B-Utility Relocation for 62nd St @ 142nd Ave Intersection Improvements	Relocation and adjustment of PCU water infrastructure in association with PW intersection and drainage improvements	-	34,000	-	-	-	-	-	-	-	34,000	
003320C-Ridge Rd. Water & Sewer Relocations and Adjustments	Relocation & adjustment of water mains/Replacement of VC sewer with PVC in association with PW proposed storm water improvement locations.	-	64,000	-	-	-	-	-	-	-	64,000	
003748A-Gulf Blvd. Relocations @ the Narrows	Utility Work by Contractor Agreement for the relocation of water, sewer and reclaimed water lines in conjunction with the FDOT's additional drainage improvements along the Gulf Blvd. Narrows	1,400,000	1,584,000	-	-	-	-	-	-	-	1,584,000	
004572A-Marlin Drive Utility Relocation for City of Belleair Bluffs Roadway Improvements	The City of Belleair Bluffs has a roadway and drainage improvement project at Marlin Drive from Belmar to . Existing water and sewer lines are in conflict with the City's proposed improvements and must be moved.	251,000	61,000	235,000	-	-	-	-	-	-	296,000	
004574A-FDOT Utility Relocation US 19 From CR 95 to Pine	The relocation of water, sewer and reclaimed water lines to facilitate the FDOT's roadway improvements along US 19 from County Road 95 to Pine Ridge Way S.	2,500	2,500	7,500	7,500	3,800	252,500	250,000	100,000		623,800	
004575A-FDOT Utility Relocation US 19 from Nebraska Av to Timberlane Rd	The relocation of water, sewer and reclaimed water lines to facilitate the FDOT's roadway improvements along US 19 from Nebraska A. to Timberline Rd	2,500	2,500	7,500	7,500	3,800	252,500	250,000	100,000		623,800	
004576A-FDOT Utility Relocation US 19 from Timberlane Rd. to Lake St.	The relocation of water, sewer and reclaimed water lines to facilitate the FDOT's roadway improvements along US 19 from Timberlane Rd. to Lake St.	2,500	2,500	7,500	7,500	3,800	1,300	250,000	250,000		522,600	
004450A-Dolphin Drive Utility Relocation for City of Belleair Bluffs Roadway Improvements	The City of Belleair Bluffs has a roadway and drainage improvement project at Dolphin Drive. Existing water and sewer lines are in conflict with the City's proposed improvements and must be moved.	-	77,500	-	-	-	-	-	-	-	77,500	
004463A-Crystal Island Utility Relocations	Interlocal agreement for the relocation and replacement of water lines, sewer lines, reclaimed water lines, force mains, services, laterals, fire hydrants and AMR water meters as a result of the City of Madeira Beach road improvement projects.	120,000	537,000	-	-	-	-	-	-	-	537,000	
004354A-Pinellas Trail Loop North Segment Utility Relocations	Relocation and adjustments to water, sewer and reclaim water infrastructure in association with construction of Pinellas County Trail Loop N. Segment. Zones A, B & C.	120,000	120,000	-	-	-	-	-	-	-	120,000	
Total Relocation Projects		3,498,500	3,149,000	2,230,500	1,532,500	211,400	706,300	950,000	650,000		9,429,700	
Reclaimed Projects												
002936B-Corey Causeway Bridge 20 Inch Reclaimed Water Main Replacement	Corey Causeway Bridge 20 inch reclaimed water repair.	-	1,400,000	-	-	-	-	-	-	-	1,400,000	
004363A-Chesnut Park Managed Aquifer Recharge Project	The project will utilize and refurbish the existing ASR injection well and the associated network of groundwater monitoring wells	1,100,000	12,000	1,100,000	1,150,000	1,700,000	1,450,000	-	-	-	5,412,000	
004364A-Chesnut Park Aquifer Storage and Recovery System Project	The project will capture excess surface water that is currently being discharged to upper Tampa Bay from the Lake Tarpon outfall and utilize that surface water to recharge the Avon Park formation below the East Lake Well Field.	150,000	4,000	150,000	150,000	900,000	3,000,000	4,950,000	-	-	9,154,000	
Total Reclaimed Projects		1,250,000	1,416,000	1,250,000	1,300,000	2,600,000	4,450,000	4,950,000	-		15,966,000	
Wastewater Pump Station and Sewer Force Main Projects												
000964A-Sanitary Sewer Pump Station Rehabilitation & Improvements	Program devoted to rehabilitating or improving pump stations based on prioritized or emergency needs.	2,374,000	1,840,000	2,400,000	2,400,000	2,350,000	2,300,000	2,300,000	2,300,000	2,300,000	15,890,000	
001814A-Sanitary Sewer Manhole Rehab Project	Rehabilitation of manholes including infiltration grouting, manhole lining, rim and cover replacements.	-	-	-	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000	

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001933A-Sanitary Sewer Cured In Place Pipe Lining	Annual program devoted to relining the sanitary sewer lines based on prioritized or emergency needs.	-	-	50,000	2,050,000	2,050,000	2,050,000	2,050,000	2,050,000	10,300,000		
001933D-Annual Sewer CIPP - Tarpon Springs, Palm Harbor, Curlew City	Rehabilitation of gravity sewer mains using cured-in-place pipelining.	152,000	20,000	900,000	900,000	-	-	-	-	1,820,000		
001933E-Annual Sewer CIPP - Bardmoor, Kenneth City	Rehabilitation of gravity sewer mains using cured-in-place pipelining.	-	-	-	950,000	-	-	-	-	950,000		
001933F-Annual Sewer CIPP - Belleair, Belleair Bluffs	Rehabilitation of gravity sewer mains using cured-in-place pipelining.	-	-	950,000	950,000	-	-	-	-	1,900,000		
001933G-Annual Sewer CIPP - Ridgewood, Oakhurst, Belleair Beach, N. Lake Seminole	Rehabilitation of gravity sewer mains using cured-in-place pipelining.	-	210,000	2,390,000	-	-	-	-	-	2,600,000		
002160A-Pump Station 016/Park Blvd Force Main to South Cross Bayou Replacement	Install a parallel/redundant force main from Pump Station 016 to South Cross Bayou to replace Boca Ciega line or serve as a redundant line.	8,000,000	9,517,000	-	-	-	-	-	-	9,517,000		
002346B-Indian Rocks Sewer CIPP - Phase 1 Total	Rehabilitation of sewer lines using Cured-In-Place Pipelining.	100,000	-	-	800,000	-	-	-	-	800,000		
002346C-Indian Rocks Sewer CIPP - Phase 2 Total	Rehabilitation of sewer lines using Cured-In-Place Pipelining.	100,000	-	-	800,000	-	-	-	-	800,000		
002747C-Sewer Interceptor Rehabilitation 94th Ave to 86th Ave	Rehabilitation of sewer interceptor pipes and associated manholes at 94th Ave to 86th Ave.	-	115,000	200,000	-	-	-	-	-	315,000		
002747E-Sewer Interceptor Rehabilitation North Lake Seminole	Rehabilitation of sewer interceptor pipes and associated manholes at North Lake Seminole.	-	6,000	-	-	-	-	-	-	6,000		
002747F-Sanitary Sewer Interceptor Pipe Rehabilitation - Bee Pond Road	Rehabilitation of gravity sewer interceptor main pipes and manholes Bee Pond Road.	450,000	212,000	425,000	-	-	-	-	-	637,000		
002747G-Sanitary Sewer Interceptor Pipe Rehabilitation - 109th St.	Rehabilitation of gravity sewer interceptor main pipes and manholes at 109th St.	-	18,000	500,000	-	-	-	-	-	518,000		
002747H-Sanitary Sewer Interceptor Pipe Rehabilitation - 74th Ave	Rehabilitation of gravity sewer interceptor main pipes and manholes 74th Ave.	-	10,000	250,000	-	-	-	-	-	260,000		
002747I-Sanitary Sewer Interceptor Pipe Rehabilitation - Lealman	Rehabilitation of gravity sewer interceptor main pipes and manholes Lealman.	-	23,000	1,000,000	-	-	-	-	-	1,023,000		
002747J-Sanitary Sewer Interceptor Pipe Rehabilitation - Hamlin Blvd and 46th Ave	Rehabilitation of gravity sewer interceptor main pipes and manholes Hamlin Blvd and 46th Ave.	-	203,750	605,300	-	-	-	-	-	809,050		
002747K-Sanitary Sewer Interceptor Pipe Rehabilitation - Seminole By-Pass Canal 10"	Rehabilitation of sewer interceptor main transversing under the Seminole By-Pass Canal	625,000	132,000	1,143,000	-	-	-	-	-	1,275,000		
002992B-Pump Station 122 Collection System and Bulkhead Wall Improvement	Pump Station 122 collection system and bulkhead wall improvement at Joe's Creek.	-	37,000	-	-	-	-	-	-	37,000		
003123A-Countywide Sewer Force Main Air Release Valve Replacement	Replacement of sewer force main air release valves.	500,000	-	-	-	-	-	-	-	-		
003123I-Omaha Street Air Release Valves	New air release valves at Omaha Street.	65,000	-	-	-	-	-	-	-	-		
003123J-ARV Hamlin Road and Nearby Design	New air release valves near existing assets' current locations built to new standards.	1,150,000	1,150,000	374,000	-	-	-	-	-	1,524,000		
003123L-ARV Highland Ave	New air release valves near existing assets' current locations built to new standards on Highland Ave.	324,000	715,000	150,000	-	-	-	-	-	865,000		
003123M-ARV Replacement - 54th Ave	Project will install new Air Release Valve assemblies.	749,000	1,006,000	-	-	-	-	-	-	1,006,000		
003124A-Pump Station No. 190 Upgrades and Force Main Improvements	To upgrade Pump Station No. 190 and the associated force main system that serves the whole City of Indian Rocks Beach.	-	83,000	-	-	-	-	-	-	83,000		
003142A-Pump Station No. 357 Upgrades and Force Main Improvements	To upgrade Pump Station No. 357 and its Force main System that serves the whole City of Indian Rocks Beach	-	410,000	-	-	-	-	-	-	410,000		
003147A-Pinellas Park Interceptor Collection System Improvements	Replace the existing 42 inch interceptor at 54 inch interceptor at 62nd Ave.	200,000	50,000	600,000	100,000	4,100,000	3,050,000	-	-	7,900,000		
003204I-Ridgewood Sewer Improvements	Replacement of gravity sewer mains to remove flow capacity restrictions and reduce sanitary sewer overflows at 82nd Ave.	-	30,000	1,150,000	-	-	-	-	-	1,180,000		
003205A-Pump Station 079 Improvements (North Redington Beach)	A new pump station will be designed and constructed to better facilitate flows from Redington Shores and North Redington Beach to the collection system.	769,000	244,000	4,230,000	-	-	-	-	-	4,474,000		

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003210H-Force main and ARV Replacement - Klosterman Road and Disston	Project is the replacement of sections of 30" ductile iron sewer force main pipe that is found to be near failing. Project will also install new air release valve assemblies	-	1,310,000	-	-	-	-	-	-	1,310,000	
003239A-Pump Station and Collection System Odor Control Equipment	Design and install of new sewer system pump stations and collection system odor control equipment.	200,000	200,000	200,000	200,000	300,000	350,000	100,000	100,000	1,450,000	
003605A-Gravity Sewer Ductal Iron Pipe Rehab Program throughout the County	Gravity sewer ductal iron pipe rehab program throughout the County.	500,000	-	-	500,000	500,000	500,000	25,000,000	35,000,000	61,500,000	
003605B-Gravity Sewer Ductile Iron Pipe Rehabilitation Lansbrook	Rehabilitate existing gravity sewer ductile iron pipe (DIP) lines in Lansbrook.	-	-	-	-	800,000	-	-	-	800,000	
003760A-North County Force Main Improvements	Proposed construction of approximately 3.6 miles of new 14" force main pipe along East Lake Road.	300,000	50,000	650,000	-	550,000	3,050,000	1,550,000	1,250,000	7,100,000	
003761A-Force Main Capacity Improvements - Highland Lakes FM	Proposed construction of approximately 4.3 miles of new 24" force main near and through the Highland Lakes community area.	150,000	-	-	-	500,000	3,500,000	2,000,000	1,500,000	7,500,000	
003762A-Pump Stations Generator Improvements	Provide back-up capability of County pump stations to pump sewer water.	1,050,000	1,575,000	1,750,000	1,750,000	1,450,000	-	-	-	6,525,000	
004360A-Pump Station 016 Improvements	Remove and replace electrical gear inclusive of Variable Frequency Drives, Motor Control Center, Generator, Programmable Logic Controllers, Supervisory Control and Data Acquisition as well as pertinent instrumentation and controls.	-	100,000	600,000	2,250,000	-	-	-	-	2,950,000	
004478C-3985 Lake Shore Drive 16" Sewer Gravity Main Replacement	Replace 236 liner feet of 16" sewer gravity main that is failing. Several depressions are occurring over the sewer main and the down stream pump station has heavy I & I.	-	1,000,000	-	-	-	-	-	-	1,000,000	
004495A-72nd Terrace Gravity Sewer and 72nd Avenue Gravity Interceptor Upgrade	To replace the existing undersized 18 inch bottleneck sewer interceptor with a 24 inch or 30 inch sewer interceptor. Replace sewer gravity manholes and upgrade 6 inch gravity sewer to an 8 inch gravity sewer.	1,000,000	110,000	1,050,000	600,000	-	-	-	-	1,760,000	
004532A-CR 95 Force Main Replacement/Relocation	Pinellas County (County) currently has an 8-inch force main along County Road 95 (CR 95) and behind houses along Langstaff Drive in a County easement.	1,430,000	300,000	668,000	-	-	-	-	-	968,000	
004478D-Gravity Sewer Main Lining 66th Ave & 134th St Total	Line the gravity sewer mains from sewer manhole 16EN-SM2015 to 16EN-SM2016 (66th Ave) approximately 275 LF and from sewer manhole 18CS-SM3768 to 18CS-SM3756 (134th St) approximately 1000 LF.	-	4,000	-	-	-	-	-	-	4,000	
004478F-Bryan Dairy at Lake Seminole Bypass Canal 8-Inch F.M. Replacement	Emergency replacement of above ground corroding 8-Inch DIP force Main across the Lake Seminole Bypass small bridge at Bryan Dairy Road.	-	145,000	230,000	-	-	-	-	-	375,000	
New Project Request - Emergency Kingfisher Drive & Belcher Road Sewer Gravity Main Replacement	Replace 320 LF of 8-ich sewer gravity main located at the intersection of Kingfisher Drive and Belcher Road located in Palm Harbor.	-	501,000	-	-	-	-	-	-	501,000	
New Project Request - Emergency Crescent Oaks Blvd Gravity Sewer Main Replacement	Remove and replace 200 LF of 8-inch sewer gravity main and service connections. Sewer Main is highly tuberculated and flow is restricted.	-	651,000	-	-	-	-	-	-	651,000	
New Project Request - Bear Creek 14" Force Main Replacement Project	Replacement of the existing force main aerial crossing and installation of a new subaqueous force main, excavation, maintenance of traffic, pavement restoration, by-pass pumping and other miscellaneous work.	-	40,000	10,000	350,000	-	-	-	-	400,000	
New Project Request - 62nd Street North Force Main Extension and Gravity Main Capacity Improvement Project	The work includes improvement to sanitary sewer system extending the existing 8-inch force main to the 27-inch interceptor, installation of a new 10-inch gravity main along 44th Avenue North and 62nd Street North.	-	60,000	340,000	300,000	-	-	-	-	700,000	

Attachment 4 - Sewer CIP

Capital Project	Description	Current Year Budget	Current Year Estimate	2022	2023	2024	2025	2026	2027	Total
New Project Request - Force Main and ARV Replacements - 30" Force Main Pinellas Trail and Klosterman	The work includes replacement of ARVs, grouting fill the existing 30-inch ductile iron, install a new 30-inch PVC or HDPE force main, excavation, maintenance of traffic, paving restoration and by-pass pumping.	-	-	250,000	3,000,000	3,000,000	1,560,000	-	-	7,810,000
New Project Request - Force Main and ARV Replacements- 20" Force Main Camelot Court	The work includes replacement of ARVs, grouting fill approximately 1,430 linear feet the existing 20-inch ductile iron, install a new force main, excavation, maintenance of traffic, pavement restoration and by-pass pumping.	-	-	200,000	1,000,000	490,000	-	-	-	1,690,000
Wastewater Pump Station and Sewer Force Main Projects		20,188,000	22,077,750	23,265,300	19,400,000	16,590,000	16,860,000	33,500,000	42,700,000	174,393,050
Total Sewer CIP		50,053,800	48,622,350	58,315,800	49,930,500	53,151,400	50,135,800	55,215,000	44,530,000	359,900,850