

Stormwater



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The Stormwater Department's Capital Improvements Program provides for the installation and improvements of stormwater drainage infrastructure and systems. The Department plans and programs improvements to stormwater infrastructure, including the installation of green infrastructure.

2023 CIP Accomplishments

The Department and its in-house Pipe Repair Crew, in coordination with the Engineering & Capital Projects Department, completed construction of the following stormwater projects in Fiscal Year 2023, which will improve storm drain infrastructure and meet pollution prevention mandates:

- 1218 Aqua Park St Storm Drain Replacement (B22120)
- 10210 Campus Point Drive Storm Drain Emergency (B23052)
- 3002 Barnett Ave Storm Drain Improvement (B22121)
- 3405 Kite Street SD Emergency (B21153)
- 3984 Pacific Hwy Pump Station L Emergency (B22013)
- 4051 Loma Alta Dr Storm Drain Replacement (B22125)
- 4182 60th St & 5973 Alta Mesa Wy Emergency (B22052)
- 5505 Morehouse Dr Storm Drain Emergency (B23116)
- 5604 Campanile Way SD Repair Emergency (B21126)
- 5861 College Ave Storm Drain Replacement (B22122)
- 6002 Camino Rico Storm Drain Improvement (B23022)
- 6306 Wenrich Dr Storm Drain Replacement (B22123)
- 7277 Viar Ave Storm Drain Replacement (B23025)
- 7717 Eagle Ridge Dr Storm Drain Improvement (B23026)
- Alamo, Salvation, 68th Street Basins LID (B14120)
- CMP Storm Drain Lining III (B20087)
- F St and 32nd Storm Drain Improvement (B23054)
- Jerabek Park Storm Drain Emergency (B23138)
- Lobrico Ct (615) Storm Drain (B13116)
- Storm Drain Group 968 (B15028)
- Torrey Pines Gf-Repair Storm Drain Outfall (B17152)
- Tuxedo Rd and Melotte St SD Emergency (B22078)

2024 CIP Goals

The Stormwater Department is committed to improving storm drain infrastructure as a function of flood risk management and installing green infrastructure to improve water quality. To improve storm drain infrastructure and meet pollution removal mandates the Department and its in-house Pipe Repair Crew, in coordination with the Engineering & Capital Projects Department, is scheduled to begin design or construction in Fiscal Year 2024 for the following projects:

- 1st Ave at Brookes Ave Storm Drain (NEW)
- 38th St at Franklin Ave Storm Drain (NEW)
- 20100 San Pasqual Rd Storm Drain Replacement (B23099)
- 4101 Pacific Hwy Pump Station C Emergency (B22129)

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- 6100 Block Rancho Mission Rd Storm Drain (NEW)
- 6576 Parkside Ave Storm Drain Replacement (B22126)
- 728 Pacific Beach Dr Pump Station G Emergency (B23095)
- Adams Ave (1620) Storm Drain Replacement (B13102)
- Auburn Creek Trash Capture Devices (B23098)
- Bannock Ave Streetscape Enhancements (B10027)
- Beta St Channel and Storm Drain Improvement (NEW)
- Carmel Country Road Low Flow Channel (S00969)
- Carroll Cayon Dry Weather Flow Diversion B22124)
- Chollas Creek Restoration 54th St & Euclid Ave (S22009)
- CMP Storm Drain Lining II (B20086)
- Del Sur Blvd and Del Sol Blvd Storm Drain (B23141)
- El Cerrito & Rolando Park Green Infrastructure (B15171)
- El Cerrito & Rolando Park Storm Drain (B15167)
- Elm Ave and Harris Ave Storm Drain Replacement (B23097)
- Famosa Slough Alley Storm Drain Replacement (B22130)
- Green Infrastructure Group 1012 (B16111)
- Green Infrastructure Group 1014 (B15104)
- Green Infrastructure Group 1027 (B15103)
- Guy St and Pringle St Storm Drain Improvement (B22127)
- Hawthorn St and 3rd Ave Storm Drain (NEW)
- Health Center Dr Storm Drain (NEW)
- Jamacha Drainage Channel Upgrade (B14078)
- Jamacha Lomita Green Infrastructure (B16089)
- Jamacha Lomita Storm Drain (B16094)
- La Jolla Farms Outfall Repair (B16006)
- Logan Heights LID (South) (B15051)
- Maple Canyon Restoration - Phases 1 & 2 (B12040)
- Oak Park Green Infrastructure (B16114)
- Oak Park Storm Drain Replacement (B16115)
- Peninsula 1 Storm Drain Improvement (NEW)
- Pump Station G Emergency (B23095)
- Red Pine Dr at Shady Elm Pl Storm Drain (NEW)
- San Jacinto Dr Storm Drain (NEW)
- Serra Mesa 1 Storm Drain Improvement (NEW)
- Skyline-Paradise Hills East 1 Storm Drain Improvement (NEW)
- Skyline-Paradise Hills East 2 Storm Drain Improvement (NEW)
- Skyline-Paradise Hills East 3 Storm Drain Improvement (NEW)
- South Mission Beach Green Infrastructure (B18118)
- South Mission Beach Storm Drain Replacement (B18117)

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- Southcrest Green Infrastructure (B16112)
- Storm Drain East of Rachael Ave (NEW)
- Streamview Drive Green Infrastructure (B19095)
- Sunshine Bernardini Restoration (S24005)
- Tonawanda Dr and Marmil Wy Storm Drain Improvement (B23068)
- Upper Auburn Creek Revitalization (S22008)
- Uptown 1 Storm Drain Improvement (NEW)
- Uptown Storm Drain Replacement (B14108)
- Willow St at Zola St Storm Drain (NEW)



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Stormwater: Capital Improvement Projects

Project	Prior Fiscal Years	FY 2024 Adopted	Future Fiscal Years	Project Total
Carmel Country Road Low Flow Channel / S00969	\$ 2,712,000	\$ 5,015,499	\$ 7,272,501	\$ 15,000,000
Chollas Creek Restoration 54th St & Euclid Ave / S22009	3,827,842	-	56,072,158	59,900,000
Flood Resilience Infrastructure / ACA00001	247,492,485	24,055,164	524,469,489	796,017,138
Maple Canyon Storm Drain Upgrade / S20003	6,329,468	-	31,935,532	38,265,000
Pump Station D Upgrade / S22015	4,022,608	-	38,867,392	42,890,000
Pump Station G & 17 Full Improvement / S24006	-	6,000,000	58,600,900	64,600,900
SD River Dredging Qualcomm Way to SR163 / S00606	839,000	-	-	839,000
Stormwater Green Infrastructure / ACC00001	85,790,617	1,970,990	1,471,516,392	1,559,277,999
Sunshine Bernardini Restoration / S24005	-	4,080,094	62,619,122	66,699,216
Upper Auburn Creek Revitalization Project / S22008	4,059,856	-	86,323,117	90,382,973
Total	\$ 355,073,875	\$ 41,121,747	\$ 2,337,676,603	\$ 2,733,872,225



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Carmel Country Road Low Flow Channel / S00969

Drainage - Channels

Council District:	1	Priority Score:	41
Community Planning:	Carmel Valley	Priority Category:	Low
Project Status:	Continuing	Contact Information:	Dastgheibi, Sara
Duration:	2012 - 2025		858-541-4369
Improvement Type:	New		sdastgheibi@sandiego.gov

Description: The Carmel Valley Creek Bike Path is located along the banks of Carmel Valley Creek and is heavily used daily by cyclists, runners, and pedestrians. The portion of the path which crosses the creek just upstream of the Carmel Country Road Bridge has experienced flooding during rain events preventing use by the public during and for days following rain events. This project provides drainage improvements to Carmel Creek downstream of the bike path to alleviate flooding. The project proposes channel enhancement and vegetation removal to improve drainage capacity of Carmel Creek in the vicinity of the bike path.

Justification: This project will provide for relief of water pooling the bike path crossing over the creek located just upstream of the Carmel Country Road Bridge and to the east of the bridge on the Palacio Del Mar property. This flooding condition has created a health and safety issue for area residents.

Operating Budget Impact: The operating and maintenance funding for this project will be included in the Stormwater budget.

Relationship to General and Community Plans: This project is consistent with the 2018 Carmel Valley Public Facilities Financing Plan (Project M-47) and is in conformance with the City's General Plan.

Schedule: Preliminary studies began in Fiscal Year 2012 and were completed in Fiscal Year 2014. The studies determined that the project needs to be re-scoped to meet project objectives. The project re-scoping is anticipated to be completed in Fiscal Year 2024.

Summary of Project Changes: Total project cost increased by \$12.3 million due to preliminary re-scoping engineering estimates. The project schedule has been updated for Fiscal Year 2024.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Carmel Valley Consolidated FBA	400088	\$ 2,485,339	\$ 226,660	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,712,000
Carmel Valley Development Impact Fee	400855	-	-	5,015,499	-	-	-	-	-	-	-	5,015,499
General Fund WIFIA Loan-Construction	400884	-	-	-	2,142,603	-	-	-	-	-	-	2,142,603
Unidentified Funding	9999	-	-	-	-	-	-	-	-	-	5,129,898	5,129,898
Total		\$ 2,485,339	\$ 226,660	\$ 5,015,499	\$ 2,142,603	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,129,898	\$ 15,000,000

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Chollas Creek Restoration 54th St & Euclid Ave / S22009

Drainage - Best Mgt Practices (BMPs)

Council District:	4 9	Priority Score:	91
Community Planning:	Mid-City: City Heights	Priority Category:	High
Project Status:	Continuing	Contact Information:	Dastgheibi, Sara
Duration:	2022 - 2029		858-541-4369
Improvement Type:	New		sdastgheibi@sandiego.gov

Description: This project will restore and enhance segments of Chollas Creek channel from 54th St to Euclid Ave and stabilize the stream bank to reduce erosive flows and increase the channel's conveyance capacity. The project also includes a biofiltration basin north of the channel to improve water quality and help meeting Chollas Creek Total Maximum Daily Load (TMDL) goals by reducing pollutants load. The stream restoration will also increase jurisdictional habitat areas and yield additional storage volume to help decrease peak flow. In addition, the project incorporates public access, a pedestrian bridge, a hiking trail, and interpretive signage.

Justification: The project included the stream restoration of Las Chollas Creek from the culvert outlet at 54th street, at the northern upstream limit, down to the culvert outlet at Euclid Avenue, at the southern and downstream limit. The project study area which is located along the outer extents of a highly urbanized area in City Heights, shows signs of high-velocity, erosive flows. At several locations throughout the study area the creek has very steep, nearly vertical, side slopes, which may be unstable or tend to degrade if the creek is unchecked. In addition, the watershed to the project area does not have regional storm water quality measures in place, and significant amounts of trash and debris have been observed within the project area. This stream restoration project proposes stream restoration, water quality, and hydraulic conveyance improvements within the existing channel.

Operating Budget Impact: Operation and maintenance budget anticipated to be reduced due to channel enhancement and stream restoration. As the project develops and progresses, operating impacts will be identified.

Relationship to General and Community Plans: This project is consistent with the Mid-City: City Heights Community Plan and is in conformance with the City's General Plan.

Schedule: Planning began in Fiscal Year 2022 and was completed in Fiscal Year 2023. Design is anticipated to begin in Fiscal Year 2024 and be completed in Fiscal Year 2027. Construction will be scheduled contingent upon the identification of funding.

Summary of Project Changes: Total project cost has increased by \$58.7 million due to project updates based on the final design, escalated current economic conditions, and increased costs in real property. \$3.3 million in General Fund WIFIA Loan funding was allocated to this project in Fiscal Year 2023 via City Council resolution. \$660,000 in Debt Funded CIP funding was removed from this project in Fiscal Year 2023 via City Council resolution. The project schedule has been updated for Fiscal Year 2024.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Debt Funded General Fund CIP Projects	400881	\$ 60,997	\$ 324,099	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 385,096
General Fund WIFIA Loan-Construction	400884	900,000	2,542,745	-	-	-	-	-	-	-	-	3,442,745
Unidentified Funding	9999	-	-	-	-	-	-	-	-	-	56,072,158	56,072,158
Total		\$ 960,997	\$ 2,866,844	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 56,072,158	\$ 59,900,000

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Flood Resilience Infrastructure / ACA00001

Drainage - Storm Drain Pipes

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Dastgheibi, Sara
Duration:	2010 - 2040		858-541-4369
Improvement Type:	New		sdastgheibi@sandiego.gov

Description: This annual allocation provides for reconstructing or replacing failed or undersized drainage facilities citywide.

Justification: There are currently 1,148 miles of storm drains in the City of San Diego. These storm drains can fail because of a variety of reasons (system material, age, earth movement, etc.). The Operations and Maintenance Section of the Stormwater Department regularly cleans these systems and performs minor repairs; however, storm drain systems that require redesign and reconstruction are often encountered. There are also 15 pump stations in the City of San Diego that were installed in the early 1940's. Mechanical, structural, and electrical improvements and upgrades are needed to respond to the higher hydraulic demand due to the populations growth, and changes in the watershed land uses.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with applicable community plans and is in conformance with the City's General Plan.

Schedule: Projects are scheduled on a priority basis as funding is identified.

Summary of Project Changes: Total project cost has increased due to updates to the cost and schedule of subprojects and relation to the CIP Five Year Planning document.

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Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024					Unidentified Funding	Project Total	
				FY 2024	Anticipated	FY 2025	FY 2026	FY 2027			FY 2028
Capital Outlay Fund	400002	\$ 3,166,131	\$ 672,728	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,838,860	
Capital Outlay-Sales Tax	400000	32,247	-	-	-	-	-	-	-	32,247	
CIP Contributions from General Fund	400265	8,062,668	279,065	-	-	-	-	-	-	8,341,733	
College Area	400127	666,466	133,534	-	-	-	-	-	-	800,000	
Debt Funded General Fund CIP Projects	400881	43,806,850	33,516,994	20,000,000	-	17,794,245	17,457,137	9,490,679	-	142,065,906	
Deferred Maint Revenue 2009A-Project	400624	103,548	-	-	-	-	-	-	-	103,548	
Deferred Maintenance Revenue 2012A-Project	400848	1,407,635	-	-	-	-	-	-	-	1,407,635	
Financing	9300	-	-	-	18,900,000	-	-	-	-	18,900,000	
General Fund Commercial Paper Notes	400869	28,661,954	163,164	-	-	-	-	-	-	28,825,118	
General Fund WIFIA Loan-Construction	400884	11,862,682	81,931,183	-	-	39,775,263	60,356,134	37,680,193	-	231,605,455	
Infrastructure Fund	100012	5,138,695	154,598	3,928,963	-	-	-	-	-	9,222,255	
La Jolla Urban Comm	400123	-	1,043,958	124,400	-	-	-	-	-	1,168,358	
Linda Vista Urban Comm	400113	96,486	603,514	-	-	-	-	-	-	700,000	
Mid City Urban Comm	400114	616,099	510	-	-	-	-	-	-	616,609	
Mission Beach - Urban Comm	400130	86,959	20,451	-	-	-	-	-	-	107,410	
Navajo Urban Comm	400116	1,101,475	741,666	-	-	-	-	-	-	1,843,141	
North Park Urban Comm	400112	571,592	269,492	-	-	-	-	-	-	841,084	
Pacific Beach Urban Comm	400117	88,567	136,421	1,801	-	-	-	-	-	226,789	
PFFA Lease Revenue Bonds 2015A-Projects	400859	2,840,650	-	-	-	-	-	-	-	2,840,650	
PFFA Lease Revenue Bonds 2015B-Project	400860	3,531,851	140,633	-	-	-	-	-	-	3,672,484	
PFFA Lease Revenue Refunding Bonds 2013A - Project	400853	119,657	-	-	-	-	-	-	-	119,657	
Private & Others Contrib-CIP	400264	149,768	232	-	-	-	-	-	-	150,000	
SDTFC Series 2018C Tax Exempt	400868	3,805,342	-	-	-	-	-	-	-	3,805,342	
Skyline/Paradise Urb Comm	400119	104,764	2,430	-	-	-	-	-	-	107,194	
Torrey Pines - Urban Community	400133	5,840	30,033	-	-	-	-	-	-	35,873	
TransNet ARRA Exchange Fund	400677	240,504	-	-	-	-	-	-	-	240,504	
TransNet Extension Congestion Relief Fund	400169	7,625,798	54,675	-	-	-	-	-	-	7,680,473	
Unidentified Funding	9999	-	-	-	-	-	-	-	323,015,838	323,015,838	
Uptown Urban Comm	400121	2,364,280	1,338,695	-	-	-	-	-	-	3,702,975	
Total		\$ 126,258,508	\$ 121,233,976	\$ 24,055,164	\$ 18,900,000	\$ 57,569,508	\$ 77,813,271	\$ 47,170,872	\$ -	\$ 323,015,838	\$ 796,017,137

Stormwater

Maple Canyon Storm Drain Upgrade / S20003

Drainage - Channels

Council District:	2 3	Priority Score:	86
Community Planning:	Centre City; Uptown; Midway - Pacific Highway	Priority Category:	High
Project Status:	Continuing	Contact Information:	Lotfi, Elham
Duration:	2021 - 2030		619-533-5212
Improvement Type:	Replacement		elotfi@sandiego.gov

Description: Project aims to replace, realign, and upgrade approximately 3,000 feet of existing drainage system between the San Diego Airport, a private industrial Facility, and Pacific Highway.

Justification: The existing alignment of the pipes prevents maintenance and repairs from occurring because a large portion of the system flows underneath a private property. The system is significantly undersized to convey the flow and sediment coming from the large connected tributary Maple Canyon watershed located upstream of the project which historically caused severe flooding in the project area resulting in significant property damage.

Operating Budget Impact: No additional maintenance costs are anticipated. The pipes will be relocated to the public Right of Way and enhanced; therefore, maintenance costs should be reduced for this system.

Relationship to General and Community Plans: This project is consistent with the Centre City Plan, Uptown Community Plan, Midway - Pacific Highway Plan, and is in conformance with the City's General Plan.

Schedule: A feasibility study began in Fiscal Year 2021 and was completed in Fiscal Year 2023. The project design and construction schedule are dependent on the outcome of the feasibility study and will be determined in the future.

Summary of Project Changes: \$5.3 million in General Fund WIFIA Loan-Construction funding was allocated to this project in Fiscal Year 2023 via City Council resolution. Total project cost has increased by \$2.3 million due to revised engineer's estimates.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
CIP Contributions from General Fund	400265	\$ 40,305	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,305
Debt Funded General Fund CIP Projects	400881	881,152	153,543	-	-	180,000	-	-	-	-	-	1,214,695
General Fund WIFIA Loan-Construction	400884	-	5,254,468	-	-	-	-	-	-	-	-	5,254,468
Unidentified Funding	9999	-	-	-	-	-	-	-	-	-	31,755,532	31,755,532
Total		\$ 921,457	\$ 5,408,010	\$ -	\$ -	\$ 180,000	\$ -	\$ -	\$ -	\$ -	\$ 31,755,532	\$ 38,265,000

Stormwater

Pump Station D Upgrade / S22015

Drainage - Pump Stations

Council District:	2	Priority Score:	43
Community Planning:	Midway - Pacific Highway	Priority Category:	Low
Project Status:	Continuing	Contact Information:	Van Martin, Debbie
Duration:	2022 - 2031		619-533-6651
Improvement Type:	Replacement - Retrofit		dvanmartin@sandiego.gov

Description: Complete rehabilitation of structural, mechanical and electrical components to increase the Pump Station capacity and upgrade all components to current standards to protect the surrounding community from flooding. B17119 (ACA00001) was converted to a standalone project in Fiscal Year 2022.

Justification: Pump Station D (PS-D) is located at 3992 Rosecrans St. in San Diego, California, PS-D is one of the City's larger storm water facilities and serves an area of approximately 500 acres. PS-D is operating beyond its service life (originally built in 1941) and requires a complete rehabilitation to meet current design standards and service needs for the Midway and Old Town areas. The scope has significantly increased from an upgrade to full improvements to increase the station's capacity to twice that of the existing (from 130,000 gpm to 270,000 gpm).

Operating Budget Impact: Operation and maintenance budget anticipated to be reduced due to reduced flooding frequency.

Relationship to General and Community Plans: This project is consistent with the Midway-Pacific Highway Community Plan and is in conformance with the City's General Plan.

Schedule: The feasibility study began in Fiscal Year 2018 and was completed in Fiscal Year 2021. This feasibility study determined additional scope was needed and resulted in project conversion. Design began in Fiscal Year 2022 and is anticipated to be completed in Fiscal Year 2026. Construction is anticipated to begin in Fiscal Year 2026 and be completed in Fiscal Year 2028.

Summary of Project Changes: Total project cost has increased by \$38.9 million due to a more refined scope and increase in construction cost. The project description, justification, and schedule have been updated for Fiscal Year 2024.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024						Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY		
Debt Funded General Fund CIP Projects	400881	\$ -	\$ 2,500,000	\$ -	\$ -	\$ -	\$ 2,515,500	\$ 2,515,500	\$ -	\$ -	\$ -	\$ 7,531,000
General Fund WIFIA Loan-Construction	400884	-	-	-	2,570,897	-	15,575,703	15,575,703	-	-	-	33,722,303
Midway/Pacific Hwy Urban Comm	400115	549,858	972,750	-	-	-	-	-	-	-	-	1,522,608
Unidentified Funding	9999	-	-	-	-	-	-	-	-	-	114,089	114,089
Total		\$ 549,857	\$ 3,472,750	\$ -	\$ 2,570,897	\$ -	\$ 18,091,203	\$ 18,091,203	\$ -	\$ -	\$ 114,089	\$ 42,889,999

Stormwater

Pump Station G & 17 Full Improvement / S24006

Drainage - Pump Stations

Council District:	2	Priority Score:	67
Community Planning:	Mission Beach; Pacific Beach	Priority Category:	Medium
Project Status:	New	Contact Information:	Bose, Sheila
Duration:	2023 - 2030		619-533-4698
Improvement Type:	Replacement		sbose@sandiego.gov

Description: This project is a joint effort between Public Utilities and Stormwater departments that will share the same design and construction contract. Currently, Pump Station G and Pump Station 17 are housed in the same structure with separate wet wells. In this project, the existing pumping facilities will be replaced with two independent pumping facilities. The larger stormwater pumping facility (Pump Station G) will house a single stand-by at-grade power generator. Pump Station G will install four new submersible pumps configured for dry pit mounting, each with a capacity of 15,000 gpm. Pump Station 17 will install three dry pit submersible pumps, each with a capacity of 1,400 gpm. The existing comfort station will be removed and a new one will be constructed to meet current standards. The downstream conveyance pipe will be upsized due to the increase of flow and a new outfall is proposed into Mission Bay. The project design will be managed by HDR Engineering.

Justification: The existing pump station has structural and mechanical deficiencies and is currently running via temporary pumps. The pump station collects runoff from Mission Boulevard and Pacific Beach Drive with a drainage basin of approximately 15.9 acres and is only designed to meet the 1-year storm. Flooding occurs along Pacific Beach Drive, Mission Boulevard and in the adjacent alleyways during storm events which may cause damage to local businesses and homes. The New Pump Station will separate the Stormwater Pump Station and the Sewer Pump Station, and the latest equipment will be installed to meet the 100-year storm event to prevent flooding and limit maintenance in the future. A backup generator will be installed to ensure the pump station remains working during even the most extreme sever weather events and the comfort station will be brought up to existing City Standards and ADA Compliance.

Operating Budget Impact: As the project develops and progresses, operating impacts will be identified.

Relationship to General and Community Plans: This project is consistent with the Pacific Beach Community Plan and is in conformance with the City's General Plan.

Schedule: Planning began and was completed in Fiscal Year 2023. Design is anticipated to begin in Fiscal Year 2024 and construction is anticipated to be completed by Fiscal Year 2030.

Summary of Project Changes: This is a newly published project for Fiscal Year 2024.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024							Unidentified Funding	Project Total	
				FY 2024	Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY			
Debt Funded General Fund CIP Projects	400881	\$ -	\$ -	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 800,000
General Fund WIFIA Loan-Construction	400884	-	-	3,200,000	-	-	-	35,785,298	-	-	-	-	38,985,298
Muni Sewer Utility - CIP Funding Source	700008	-	-	2,000,000	-	1,516,731	3,791,827	4,550,192	3,308,557	-	-	-	15,167,307
Unidentified Funding	9999	-	-	-	-	-	-	-	-	-	9,648,295	-	9,648,295
Total		\$ -	\$ -	\$ 6,000,000	\$ -	\$ 1,516,731	\$ 3,791,827	\$ 40,335,490	\$ 3,308,557	\$ -	\$ -	\$ 9,648,295	\$ 64,600,900

Stormwater

SD River Dredging Qualcomm Way to SR163 / S00606

Drainage - Channels

Council District:	7	Priority Score:	69
Community Planning:	Mission Valley	Priority Category:	Medium
Project Status:	Continuing	Contact Information:	Dastgheibi, Sara
Duration:	2007 - 2024		858-541-4369
Improvement Type:	Betterment		sdastgheibi@sandiego.gov

Description: The project objective is the removal of sediment deposited in the San Diego River from four (4), 84-inch CMP storm drains. The project area is located within the San Diego River channel on the east side of state route 163 to Mission Center Road. The project scope is being re-evaluated as part of a watershed level engineering study to develop a comprehensive, sustainable solution for sediment removal and sediment source control.

Justification: The project will provide a sustainable solution to return this segment of the San Diego River to its original design to minimize the potential of flooding of adjacent properties.

Operating Budget Impact: The maintenance funding for this section of the river will be included in future Stormwater budget.

Relationship to General and Community Plans: This project is consistent with the Mission Valley Community Plan and the First San Diego River Improvement Project Natural Resource Management Plan and is in conformance with the City's General Plan.

Schedule: The project schedule is to be determined, per findings from the watershed level study.

Summary of Project Changes: The project will be converted into a P-project in Fiscal Year 2024 and re-scoped based on the outcome of the watershed level comprehensive study.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Capital Outlay Fund	400002	\$ 9,555	\$ 15,444	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	25,000
CIP Contributions from General Fund	400265	98,913	-	-	-	-	-	-	-	-	-	98,913
Deferred Maintenance Revenue 2012A-Project	400848	15,087	-	-	-	-	-	-	-	-	-	15,087
First SD River Imp. Project CIP Fund	200054	271,191	-	-	-	-	-	-	-	-	-	271,191
First SD River Imp. Project MAD Fund	200053	138,841	14,967	-	-	-	-	-	-	-	-	153,809
Infrastructure Fund	100012	177,313	97,687	-	-	-	-	-	-	-	-	275,000
Total		\$ 710,901	\$ 128,098	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	839,000

Stormwater

Stormwater Green Infrastructure / ACC00001

Drainage - Best Mgt Practices (BMPs)

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Dastgheibi, Sara
Duration:	2010 - 2040		858-541-4369
Improvement Type:	Betterment		sdastgheibi@sandiego.gov

Description: This annual allocation provides for the design and construction of green infrastructure, restoration, and revitalization capital projects. These projects, in conjunction with non-structural water quality projects, address storm drain discharge water quality standards.

Justification: The purpose of these projects is to remove pollutants from stormwater before it enters the City's public waterways or to reuse the stormwater and keep it from entering public waterways. This results in reduced pollutants entering the ocean and various San Diego rivers and bays. These projects satisfy watershed-based water quality activity requirements in the Regional Water Quality Control Board's Municipal Stormwater National Pollutant Discharge Elimination System (NPDES) permit.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the applicable community plans and is in conformance with the City's General Plan.

Schedule: Projects will be scheduled to address pollutants of concern within high priority watersheds and are planned based on regulatory requirements and as funding is allocated.

Summary of Project Changes: Total project cost has increased due to updates to the cost and schedule of subprojects and relation to the CIP Five Year Planning document.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Capital Outlay Fund	400002	\$ 1,028,960	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,028,960
CIP Contributions from General Fund	400265	7,516,393	18,880	-	-	-	-	-	-	-	-	7,535,274
Debt Funded General Fund CIP Projects	400881	15,122,052	11,718,233	-	-	6,817,409	5,454,238	4,556,864	-	-	-	43,668,796
Deferred Maintenance Revenue 2012A-Project	400848	616,183	-	-	-	-	-	-	-	-	-	616,183
Financing	9300	-	-	-	8,100,000	58,000,000	-	-	-	-	-	66,100,000
Fleet Services CIP Fund	400676	-	-	1,918,631	-	-	-	-	-	-	-	1,918,631
General Fund Commercial Paper Notes	400869	11,481,877	23,932	-	-	-	-	-	-	-	-	11,505,809
General Fund WIFIA Loan-Construction	400884	4,612,556	19,547,444	-	-	6,859,549	5,474,601	-	-	-	-	36,494,150
Grant Fund - Federal	600000	4,496,171	1,479,411	-	-	-	-	-	-	-	-	5,975,582
Grant Fund - State	600001	630,500	-	-	3,100,000	-	-	-	-	-	-	3,730,500
Infrastructure Fund	100012	612,356	4,779	-	-	-	-	-	-	-	-	617,135
PFFA Lease Revenue Bonds 2015A-Projects	400859	1,832,260	-	-	-	-	-	-	-	-	-	1,832,260
PFFA Lease Revenue Bonds 2015B-Project	400860	1,476,896	-	-	-	-	-	-	-	-	-	1,476,896
PFFA Lease Revenue Refunding Bonds 2013A - Project	400853	536,422	-	-	-	-	-	-	-	-	-	536,422
Private & Others Contrib-CIP	400264	1,173,779	-	-	1,980,514	1,980,514	1,974,928	6,605	-	-	-	7,116,340
Refuse Disposal CIP Fund	700040	25,835	389,430	-	-	-	-	-	-	-	-	415,265
Rose & Tecolote Creek Water Quality	400631	394,183	7,788	-	-	-	-	-	-	-	-	401,972
SC-RDA Contribution to CIP Fund	200353	98,174	-	52,359	-	-	-	-	-	-	-	150,533
Unidentified Funding	9999	-	-	-	-	-	-	-	-	-	1,365,797,888	1,365,797,888
Water Utility - CIP Funding Source	700010	146,892	799,228	-	1,413,282	-	-	-	-	-	-	2,359,402
Total		\$ 51,801,490	\$ 33,989,126	\$ 1,970,990	\$ 14,593,796	\$ 73,657,472	\$ 12,903,767	\$ 4,563,469	\$ -	\$ -	\$ 1,365,797,888	\$ 1,559,277,998

Stormwater

Sunshine Bernardini Restoration / S24005

Drainage - Channels

Council District:	4 9	Priority Score:	80
Community Planning:	Mid-City: City Heights	Priority Category:	High
Project Status:	New	Contact Information:	Dastgheibi, Sara
Duration:	2023 - 2029		858-541-4369
Improvement Type:	Widening		sdastgheibi@sandiego.gov

Description: The project aims to restore and enhance the environmental health and stormwater conveyance capacity of the Chollas Parkway and Sunshine Bernardini segment of Las Chollas Creek. This segment, stretching from the culvert outlet at Euclid Avenue to the Fairmount Avenue bridge outlet, is facing severe erosion and instability caused by high-velocity flows. The project will employ streambed restoration techniques to address these issues, reducing erosion, mitigating flooding, enhancing biodiversity, creating habitat, and improving water quality. Additionally, the project will create recreational opportunities by establishing a pedestrian trail, constructing a bridge crossing, and developing two wetland areas and a water quality basin.

Justification: The Chollas Parkway and Sunshine Bernardini segments of Las Chollas Creek show signs of high velocity flows which have caused severe erosion along the two segments. At multiple segments along the study area, the side slopes are very steep (slopes larger than 1H:1V) which could be unstable specifically in high flow events. Rapid growth of urban development in the watershed has resulted in larger areas with impervious cover which leads to higher flow rates and peak flows within the channel. The higher runoff peak flows and subsequent velocities within the channel will result in degradation of soils on channel side slopes and bottom and further increasing the side slopes exacerbating their instability. In addition to the geomorphic issues noted, the watershed to the project area does not have regional stormwater quality measures in place, and significant amounts of trash and debris have been observed within the project area. This stream restoration project proposes stream restoration, water quality, and hydraulic conveyance improvements within the existing channel.

Operating Budget Impact: Operation and maintenance budget anticipated to be reduced due to channel enhancement, revitalized wetland, and stream restoration. As the project develops and progresses, operating impacts will be identified.

Relationship to General and Community Plans: This project is consistent with the Mid-City: City Heights Community Plan and is in conformance with the City's General Plan.

Schedule: Planning phase began in Fiscal Year 2023. Design is anticipated to begin in Fiscal Year 2024 and be completed in Fiscal Year 2025. Construction is anticipated to be completed in Fiscal Year 2027.

Summary of Project Changes: This is a newly published project for Fiscal Year 2024.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024						Unidentified Funding	Project Total	
				FY 2024	Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			Future FY
Debt Funded General Fund CIP Projects	400881	\$ -	\$ -	\$ 450,000	\$ (79,975)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 370,025
General Fund WIFIA Loan-Construction	400884	-	-	3,630,094	79,975	-	-	-	-	-	-	3,710,069
Unidentified Funding	9999	-	-	-	-	-	-	-	-	-	62,619,122	62,619,122
Total		\$ -	\$ -	\$ 4,080,094	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 62,619,122	\$ 66,699,216

Stormwater

Upper Auburn Creek Revitalization Project / S22008

Drainage - Best Mgt Practices (BMPs)

Council District:	9	Priority Score:	64
Community Planning:	Mid-City: City Heights	Priority Category:	Medium
Project Status:	Continuing	Contact Information:	Dastgheibi, Sara
Duration:	2022 - 2028		858-541-4369
Improvement Type:	New		sdastgheibi@sandiego.gov

Description: This project proposes flood resilience improvements, green infrastructure features and stream restoration. The project will alleviate flooding and reduce erosion through the replacement and upgrade of existing severely undersized culverts and channel widening. It also includes a biofiltration basin north of the channel to improve water quality and help meeting Chollas Creek Total Maximum Daily Load (TMDL) goals by reducing pollutants load. The stream restoration will also increase jurisdictional habitat areas and yield additional storage volume to help decrease peak flow. In addition, the project incorporates public access, a pedestrian bridge, a hiking trail, and interpretive signage.

Justification: The Auburn Creek channel between University Avenue and Auburn Drive frequently experiences storm events that cause flooding of adjacent areas, including residential structures, roads, and public parks. Auburn Creek also shows signs of severe erosion caused by high-velocity flows and restricted creek capacity along much of the creek corridor. There is also significant illegal dumping occurs along this stretch, resulting in large amounts of trash and debris that are conveyed into the existing creek. The project proposes creek widening, pedestrian trail, water quality basin, and culvert improvements.

Operating Budget Impact: Operation and maintenance budget anticipated to be reduced due to channel enhancement and stream restoration. As the project develops and progresses, operating impacts will be identified.

Relationship to General and Community Plans: This project is consistent with the Mid-City: City Heights Community Plan and is in conformance with the City's General Plan.

Schedule: Planning began in Fiscal Year 2022 and was completed in Fiscal Year 2023. Design is anticipated to begin in Fiscal Year 2024 and be completed in Fiscal Year 2027. Construction will be scheduled contingent upon the identification of funding.

Summary of Project Changes: Total project cost has increased by \$89.2 million due to revised project updates based on the final design, escalated current economic conditions, and increased costs in real property. \$2.8 million in General Fund WIFIA Loan funding was allocated to this project in Fiscal Year 2023 via City Council resolution. The project schedule has been updated for Fiscal Year 2024.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Debt Funded General Fund CIP Projects	400881	\$ 76,809	\$ 140,137	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 216,947
General Fund WIFIA Loan-Construction	400884	3,842,909	-	-	-	-	-	-	-	-	-	3,842,909
Grant Fund - State	600001	-	-	-	1,472,000	-	-	-	-	-	-	1,472,000
Unidentified Funding	9999	-	-	-	-	-	-	-	-	-	84,851,117	84,851,117
Total		\$ 3,919,718	\$ 140,137	\$ -	\$ 1,472,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 84,851,117	\$ 90,382,973

Unfunded Needs List

Stormwater

Project	Project Total	Unidentified Funding	Percent Unfunded	Description
Pump Station D Upgrade / S22015	\$ 42,890,000	\$ 114,089	0.27 %	Comprehensive improvements of structural, mechanical and electrical components to increase the Pump Station capacity and upgrade all components to current standards to protect the surrounding community from flooding. A portion of construction is unfunded.
Pump Station G & 17 Full Improvement / S24006	\$ 64,600,900	\$ 9,648,295	14.94 %	This project is a joint effort between Public Utilities and Stormwater departments that will share the same design and construction contract. Currently, Pump Station G and Pump Station 17 are housed in the same structure with separate wet wells. In this project, the existing pumping facilities will be replaced with two independent pumping facilities. The larger stormwater pumping facility (Pump Station G) will house a single stand-by at-grade power generator. Pump Station G will install four new submersible pumps configured for dry pit mounting, each with a capacity of 15,000 gpm. Pump Station 17 will install three dry pit submersible pumps, each with a capacity of 1,400 gpm. The existing comfort station will be removed and a new one will be constructed to meet current standards. The downstream conveyance pipe will be upsized due to the increase of flow and a new outfall is proposed into Mission Bay. The project design will be managed by HDR Engineering. A portion of construction is currently unfunded.
Carmel Country Road Low Flow Channel / S00969	\$ 15,000,000	\$ 5,129,898	34.20 %	The Carmel Valley Creek Bike Path is located along the banks of Carmel Valley Creek and is heavily used daily by cyclists, runners, and pedestrians. The portion of the path which crosses the creek just upstream of the Carmel Country Road Bridge has experienced flooding during rain events preventing use by the public during and for days following rain events. This project provides drainage improvements to Carmel Creek downstream of the bike path to alleviate flooding. The project proposes channel enhancement and vegetation removal to improve drainage capacity of Carmel Creek in the vicinity of the bike path. Construction is currently unfunded.
Flood Resilience Infrastructure / ACA00001	\$ 796,017,138	\$ 323,015,838	40.58 %	This annual allocation provides for restructuring or replacing failed flood resilience infrastructure citywide. The unidentified funding amount reflects the estimated funding to address the deferred capital needs of the City's General Fund supported flood resilience infrastructure projects based on condition assessments.
Maple Canyon Storm Drain Upgrade / S20003	\$ 38,265,000	\$ 31,755,532	82.99 %	This project provides for realignment and abandonment of approximately 3,000 feet of existing 54-inch and 36-inch reinforced concrete pipe (RCP) with approximately 3,500 feet of new storm drains ranging from 4.5 feet to 8 feet (two barrels) in sizes. The project has identified sufficient funding to conduct a feasibility study. The planning, design, and construction phases are currently unfunded.
Stormwater Green Infrastructure / ACC00001	\$ 1,559,277,999	\$ 1,365,797,888	87.59 %	This annual allocation provides for the design and construction of green infrastructure capital projects. These projects, in conjunction with non-structural water

Unfunded Needs List

Project	Project Total	Unidentified Funding	Percent Unfunded	Description
				quality projects, address storm drain discharge water quality standards. The unidentified funding amount reflects the estimated funding to address the deferred capital needs of the City's General Fund supported green infrastructure projects.
Chollas Creek Restoration 54th St & Euclid Ave / S22009	\$ 59,900,000	\$ 56,072,158	93.61 %	This project will restore and enhance segments of Chollas Creek channel from 54th St to Euclid Ave and stabilize the stream bank to reduce erosive flows and increase the channel's conveyance capacity. The project also includes a biofiltration basin north of the channel to improve water quality and help meeting Chollas Creek Total Maximum Daily Load (TMDL) goals by reducing pollutants load. The stream restoration will also increase jurisdictional habitat areas and yield additional storage volume to help decrease peak flow. In addition, the project incorporates public access, a pedestrian bridge, a hiking trail, and interpretive signage. Construction is currently unfunded.
Upper Auburn Creek Revitalization Project / S22008	\$ 90,382,973	\$ 84,851,117	93.88 %	This project proposes flood resilience improvements, green infrastructure features and stream restoration. The project will alleviate flooding and reduce erosion through the replacement and upgrade of existing severely undersized culverts and channel widening. It also includes a biofiltration basin north of the channel to improve water quality and help meeting Chollas Creek Total Maximum Daily Load (TMDL) goals by reducing pollutants load. The stream restoration will also increase jurisdictional habitat areas and yield additional storage volume to help decrease peak flow. In addition, the project incorporates public access, a pedestrian bridge, a hiking trail, and interpretive signage. Construction is currently unfunded.
Sunshine Bernardini Restoration / S24005	\$ 66,699,216	\$ 62,619,122	93.88 %	The project aims to restore and enhance the environmental health and stormwater conveyance capacity of the Chollas Parkway and Sunshine Bernardini segment of Las Chollas Creek. This segment, stretching from the culvert outlet at Euclid Avenue to the Fairmount Avenue bridge outlet, is facing severe erosion and instability caused by high-velocity flows. The project will employ streambed restoration techniques to address these issues, reducing erosion, mitigating flooding, enhancing biodiversity, creating habitat, and improving water quality. Additionally, the project will create recreational opportunities by establishing a pedestrian trail, constructing a bridge crossing, and developing two wetland areas and a water quality basin. Construction is currently unfunded.
Total		\$ 1,939,003,937		