

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.

2024 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 2024, which will improve storm drain infrastructure and meet pollution prevention mandates:

- Highland and Monroe Aves Storm Drain Rep (B12096)
- Adams Ave 1620 Storm Drain Replacement (B13102)
- Mira Mesa South Storm Drain Replacement (B16175)
- 6118 Caminita Sacate SD Emergency (B23004)
- 728 PB Dr Pump Station G Emergency (B23095)
- Pump Station H Catwalk Emergency (B23125)
- 7671 Macaw Lane SD Emergency (B23135)
- 12200 Escala Drive SD Emergency (B23161)
- Bannock Ave Streetscape Enhancements (B10027)
- Logan Heights LID (South) (B15051)
- CMP Storm Drain Lining II (B20086)
- Pump Station N SD Emerg 914 Santa Clara (B22067)
- Guy St and Pringle St SD Improv SWD (B22127)
- 4101 Pacific Hwy Pump StationC Emergency (B22129)
- 6933 Neptune Place SD Emergency (B23107)
- 4356 Altamirano Way SD Emergency (B23115)
- Aldine Dr Storm Drain Emergency (B23134)
- 8803 Gilman Dr SD Emergency (B23153)
- 10428 Clairemont Mesa Blvd SD Emergency (B23154)
- 8519 Sugarman Dr SD Emergency (B24006)
- Health Center Dr SD SWD (B24016)
- 4502 Rhode Island Street SD Emergency (B24066)
- 4451 Hermosa Way SD Emergency (B24067)
- 3575 Nile Street SD Emergency (B24081)
- Tonawanda Dr. and Marmil Way SD (B23068)

2025 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, and to address stormwater emergencies and high risk location, as they arise. 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 2025 for the following projects:

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- Jamacha Lomita Storm Drain (B16094)
- Southcrest Green Infrastructure GI (B16112)
- South Mission Beach SD Replacement (B18117)
- South Mission Beach GI (B18118)
- 5th and Brookes SD Upgrade (B19073)
- 6576 Parkside Ave SD Repl SWD (B22126)
- Hawthorn St and 3rd Ave SD SWD (B24021)
- Storm Drain Group 1023 (B15101)
- Storm Drain Group 763 (B17143)
- Elm Ave & Harris Ave SD Replacement SWD (B23097)
- Auburn Creek Trash Capture Devices (B23098)
- 6100 Block Rancho Mission Rd SD SWD (B24022)

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Stormwater: Capital Improvement Projects

Project	Prior Fiscal Years	FY 2025 Proposed	Future Fiscal Years	Project Total
Carmel Country Road Low Flow Channel / S00969	\$ 7,727,499	\$ -	\$ 2,128,441	\$ 9,855,940
Chollas Creek Restoration 54th St & Euclid Ave / S22009	3,827,842	-	61,603,956	65,431,798
Flood Resilience Infrastructure / ACA00001	285,286,151	80,431,409	875,956,558	1,241,674,118
Maple Canyon Storm Drain Upgrade / S20003	6,329,468	-	31,935,532	38,265,000
Pump Station C Assessment / P25001	-	500,000	-	500,000
Pump Station D Upgrade / S22015	5,578,701	-	37,311,300	42,890,001
Pump Station G & 17 Full Improvement / S24006	6,000,000	-	61,135,700	67,135,700
SD East of Rachael Ave SWD / S24008	27,470,119	-	-	27,470,119
SD River Dredging Qualcomm Way to SR163 / S00606	839,000	-	-	839,000
Stormwater CIP Program Management / P24010	8,500,000	-	-	8,500,000
Stormwater Green Infrastructure / ACC00001	92,274,888	7,423,428	683,868,491	783,566,807
Sunshine Bernardini Restoration / S24005	4,080,094	-	78,904,799	82,984,893
Upper Auburn Creek Revitalization Project / S22008	4,059,856	-	57,287,496	61,347,352
Total	\$ 451,973,618	\$ 88,354,837	\$ 1,890,132,273	\$ 2,430,460,728



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Stormwater – Preliminary Engineering Projects

Pump Station C Assessment / P25001

Priority Category: Low Priority Score: 45

Expenditure by Funding Source					
Fund Name	Fund No	Exp/Enc	Con Appn	FY 2025	Project
Midway/Pacific Hwy Urban Comm	400115	\$ -	\$ -	\$ 500,000	\$ 500,000
Total		\$ -	\$ -	\$ 500,000	\$ 500,000

Stormwater CIP Program / P24010

Management
Priority Category: Low Priority Score: 53

Expenditure by Funding Source					
Fund Name	Fund No	Exp/Enc	Con Appn	FY 2025	Project
General Fund WIFIA Loan-Construction	400884	\$ -	\$ 8,500,000	\$ -	\$ 8,500,000
Total		\$ -	\$ 8,500,000	\$ -	\$ 8,500,000



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Stormwater

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:	Eckert, Kristopher
Duration:	2012 - 2028		858-541-4387
Improvement Type:	New		keckert@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 of 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 Department's 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 were completed in Fiscal Year 2014. Design began in Fiscal Year 2024 and is anticipated to be completed in Fiscal Year 2025. Construction is anticipated to begin in Fiscal Year 2026. Construction will be scheduled contingent upon the identification of funding.

Summary of Project Changes: Total project cost has decreased by \$5.1 million due to refinements in engineering scoping and cost estimates. The project schedule has been updated for Fiscal Year 2025.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2025	FY 2025					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2026	FY 2027	FY 2028	FY 2029			
Carmel Valley Consolidated FBA	400088	\$ 2,521,302	\$ 190,697	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,712,000
Carmel Valley Development Impact Fee	400855	-	5,015,499	-	-	-	-	-	-	-	-	5,015,499
Unidentified Funding	9999	-	-	-	-	-	-	-	-	-	2,128,441	2,128,441
Total		\$ 2,521,302	\$ 5,206,196	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,128,441	\$ 9,855,940

Stormwater

Chollas Creek Restoration 54th St & Euclid Ave / S22009

Drainage - Best Mgt Practices (BMPs)

Council District:	4 9	Priority Score:	82
Community Planning:	Mid-City: City Heights	Priority Category:	High
Project Status:	Underfunded	Contact Information:	Eckert, Kristopher
Duration:	2022 - 2029		858-541-4387
Improvement Type:	New		keckert@sanidiego.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 includes 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 left 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, Chollas Creek Watershed Regional Park Master 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 and construction will be scheduled contingent upon the identification of funding.

Summary of Project Changes: Total project cost has increased to \$5.5 million due to an updated cost estimate reflecting current economic conditions. The project schedule has been updated for Fiscal Year 2025.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2025	FY 2025					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2026	FY 2027	FY 2028	FY 2029			
Debt Funded General Fund CIP Projects	400881	\$ 85,647	\$ 299,449	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 385,096
General Fund WIFIA Loan-Construction	400884	900,000	2,542,745	-	(1,129,987)	-	-	-	-	-	-	2,312,758
Unidentified Funding	9999	-	-	-	-	-	-	-	-	-	62,733,943	62,733,943
Total		\$ 985,647	\$ 2,842,194	\$ -	\$ (1,129,987)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 62,733,943	\$ 65,431,798

Stormwater

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 population 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 2025					Unidentified Funding	Project Total	
				FY 2025	Anticipated	FY 2026	FY 2027	FY 2028			FY 2029
Capital Outlay Fund	400002	\$ 3,227,025	\$ 611,834	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,838,860
Capital Outlay-Sales Tax	400000	32,247	-	-	-	-	-	-	-	-	32,247
CIP Contributions from General Fund	400265	8,096,905	173,386	-	-	-	-	-	-	-	8,270,291
Clairemont Mesa - Urban Comm	400129	-	-	1,500,000	-	-	-	-	-	-	1,500,000
College Area	400127	666,766	133,234	48,001	-	-	-	-	-	-	848,001
Debt Funded General Fund CIP Projects	400881	75,122,964	39,365,022	75,185,380	153,727,112	57,457,262	16,352,832	-	-	-	417,210,572
Deferred Maint Revenue 2009A-Project	400624	103,548	-	-	-	-	-	-	-	-	103,548
Deferred Maintenance Revenue 2012A-Project	400848	1,407,635	-	-	-	-	-	-	-	-	1,407,635
General Fund Commercial Paper Notes	400869	28,736,291	97,689	-	-	-	-	-	-	-	28,833,979
General Fund WIFIA Loan-Construction	400884	16,425,438	73,812,334	-	64,647,330	45,917,851	15,711,545	-	-	-	216,514,498
Infrastructure Fund	100012	6,258,698	2,944,888	-	-	-	-	-	-	-	9,203,586
La Jolla Urban Comm	400123	1,094,666	73,692	128,000	-	-	-	-	-	-	1,296,358
Linda Vista Urban Comm	400113	149,169	550,831	-	-	-	-	-	-	-	700,000
Mid City Urban Comm	400114	616,099	510	-	-	-	-	-	-	-	616,609
Mission Beach - Urban Comm	400130	107,410	-	-	-	-	-	-	-	-	107,410
Navajo Urban Comm	400116	1,130,435	712,706	3,500,000	-	-	-	-	-	-	5,343,141
North Park Urban Comm	400112	596,067	245,017	-	-	-	-	-	-	-	841,084
Pacific Beach Urban Comm	400117	90,057	197,029	-	-	-	-	-	-	-	287,087
PFFA Lease Revenue Bonds 2015A-Projects	400859	2,840,650	-	-	-	-	-	-	-	-	2,840,650
PFFA Lease Revenue Bonds 2015B-Project	400860	3,531,851	292,040	-	-	-	-	-	-	-	3,823,891
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	107,194	-	-	-	-	-	-	-	-	107,194
Torrey Pines - Urban Community	400133	22,333	13,540	25,030	-	-	-	-	-	-	60,903
TransNet ARRA Exchange Fund	400677	240,504	-	-	-	-	-	-	-	-	240,504
TransNet Extension Congestion Relief Fund	400169	7,651,609	28,864	-	-	-	-	-	-	-	7,680,473
Unidentified Funding	9999	-	-	-	-	-	-	-	-	522,142,626	522,142,626
Uptown Urban Comm	400121	2,494,055	1,208,920	44,998	-	-	-	-	-	-	3,747,973
Total		\$ 164,824,382	\$ 120,461,768	\$ 80,431,409	\$ 218,374,442	\$ 103,375,113	\$ 32,064,377	\$ -	\$ -	\$ 522,142,626	\$ 1,241,674,118

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:	Underfunded	Contact Information:	Lotfi, Elham
Duration:	2021 - 2030		619-533-5212
Improvement Type:	Replacement		elotfi@sandiego.gov

Description: This 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 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. Design and construction schedules are contingent upon the identification of funding.

Summary of Project Changes: The project schedule has been updated for Fiscal Year 2025.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2025	FY 2025 Anticipated	FY 2026	FY 2027	FY 2028	FY 2029	Future FY	Unidentified Funding	Project Total
CIP Contributions from General Fund	400265	\$ 40,305	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,305
Debt Funded General Fund CIP Projects	400881	913,803	120,892	-	(120,159)	-	-	-	-	-	-	914,536
General Fund WIFIA Loan-Construction	400884	-	5,254,468	-	(5,254,468)	-	-	-	-	-	-	-
Unidentified Funding	9999	-	-	-	-	-	-	-	-	-	37,310,159	37,310,159
Total		\$ 954,107	\$ 5,375,360	\$ -	\$ (5,374,627)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,310,159	\$ 38,265,000

Stormwater

Pump Station D Upgrade / S22015

Drainage - Pump Stations

Council District:	2	Priority Score:	65
Community Planning:	Old Town San Diego	Priority Category:	Medium
Project Status:	Continuing	Contact Information:	Rubalcava, Eric
Duration:	2022 - 2031		619-533-3647
Improvement Type:	Replacement - Retrofit		rubalcavae@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 capacity (from 130,000 gpm to 270,000 gpm).

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

Relationship to General and Community Plans: This project is consistent with the Old Town San Diego 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 2027. Construction is anticipated to begin in Fiscal Year 2027 and be completed in Fiscal Year 2030.

Summary of Project Changes: \$1.5 million in General Fund WIFIA Loan funding was allocated to this project in Fiscal Year 2024 via City Council resolution. The project schedule has been updated for Fiscal Year 2025.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2025	FY 2025 Anticipated	FY 2026	FY 2027	FY 2028	FY 2029	Future FY	Unidentified Funding	Project Total
Debt Funded General Fund CIP Projects	400881	\$ -	\$ 500,000	\$ -	\$ 664,000	\$ 2,515,500	\$ 9,284,699	\$ -	\$ -	\$ -	\$ -	\$ 12,964,199
General Fund WIFIA Loan-Construction	400884	3,556,093	-	-	-	15,575,703	8,920,593	-	-	-	-	28,052,389
Midway/Pacific Hwy Urban Comm	400115	1,006,530	516,078	-	-	-	-	-	-	-	-	1,522,608
Unidentified Funding	9999	-	-	-	-	-	-	-	-	-	350,805	350,805
Total		\$ 4,562,623	\$ 1,016,077	\$ -	\$ 664,000	\$ 18,091,203	\$ 18,205,292	\$ -	\$ -	\$ -	\$ 350,805	\$ 42,890,000

Stormwater

Pump Station G & 17 Full Improvement / S24006

Drainage - Pump Stations

Council District:	1 2	Priority Score:	67
Community Planning:	Mission Beach; Pacific Beach	Priority Category:	Medium
Project Status:	Continuing	Contact Information:	Diab, Joseph 619-533-4615 jdiab@sandiego.gov
Duration:	2023 - 2035		
Improvement Type:	Replacement		

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 be completed in Fiscal Year 2028. Construction is anticipated to begin in Fiscal Year 2028 and be completed in Fiscal Year 2030. A five-year maintenance, mitigation, and monitoring period is anticipated to be completed in Fiscal Year 2035.

Summary of Project Changes: Total project cost has increased by \$2.5 million due to refined scope and increased construction costs. The project schedule has been updated for Fiscal Year 2025.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2025	FY 2025					Unidentified Funding	Project Total
					Anticipated	FY 2026	FY 2027	FY 2028	FY 2029		
Debt Funded General Fund CIP Projects	400881	\$ 46,646	\$ 753,353	\$ -	\$ 396,496	\$ -	\$ 23,171,132	\$ 278,416	\$ -	\$ -	\$ 24,646,044
General Fund WIFIA Loan-Construction	400884	-	3,200,000	-	1,585,984	-	22,262,461	-	-	-	27,048,445
Muni Sewer Utility - CIP Funding Source	700008	23,320	1,976,680	-	-	-	12,864,763	576,448	-	-	15,441,211
Total		\$ 69,966	\$ 5,930,033	\$ -	\$ 1,982,480	\$ -	\$ 58,298,356	\$ 854,864	\$ -	\$ -	\$ 67,135,700

Stormwater

SD East of Rachael Ave SWD / S24008

Drainage - Storm Drain Pipes

Council District:	4	Priority Score:	74
Community Planning:	Skyline - Paradise Hills	Priority Category:	Medium
Project Status:	New	Contact Information:	Valencia, Jake
Duration:	2024 - 2026		619-964-9166
Improvement Type:	Replacement		jvalencia@sandiego.gov

Description: This project provides the replacement, abandonment, upgrade, and realignment to the right of way of existing CMP storm drain pipes ranging in diameter from 18 inches to 36 inches.

Justification: The project will alleviate flooding problems and pipe failures that can cause sinkholes by replacing an inadequate and failing CMP pipe system that has reached its useful life. The new pipe system will improve the storm drain conveyance level of service and provide life and safety in the area.

Operating Budget Impact: None.

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

Schedule: Planning Phase began and was completed in Fiscal Year 2022. Design was completed in Fiscal Year 2024. Construction began in Fiscal Year 2024 and is anticipated to be completed in Fiscal Year 2026.

Summary of Project Changes: This is a newly published project for Fiscal Year 2025.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2025	FY 2025					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2026	FY 2027	FY 2028	FY 2029			
Debt Funded General Fund CIP Projects	400881	\$ 241,429	\$ 20,167,385	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,408,815
General Fund WIFIA Loan-Construction	400884	3,686,452	3,374,852	-	-	-	-	-	-	-	-	7,061,304
Total		\$ 3,927,881	\$ 23,542,237	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,470,119

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 - 2025		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 Department’s 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: This project will be cancelled and is anticipated to be closed by the end of the fiscal year.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2025	FY 2025 Anticipated	FY 2026	FY 2027	FY 2028	FY 2029	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 2025	FY 2025					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2026	FY 2027	FY 2028	FY 2029			
Capital Outlay Fund	400002	\$ 1,028,960	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,028,960
CIP Contributions from General Fund	400265	7,363,277	171,997	-	-	-	-	-	-	-	-	7,535,274
Climate Equity Fund	100015	-	-	1,500,000	-	-	-	-	-	-	-	1,500,000
Debt Funded General Fund CIP Projects	400881	16,630,981	10,068,671	562,210	18,018,825	23,961,695	6,819,705	-	-	-	-	76,062,087
Deferred Maintenance Revenue 2012A-Project	400848	616,183	-	-	-	-	-	-	-	-	-	616,183
Fleet Services CIP Fund	400676	86,294	1,832,336	2,191,678	-	-	-	-	-	-	-	4,110,309
General Fund Commercial Paper Notes	400869	11,492,622	4,326	-	-	-	-	-	-	-	-	11,496,948
General Fund WIFIA Loan-Construction	400884	5,171,575	18,988,425	-	5,345,031	19,149,356	6,552,266	-	-	-	-	55,206,653
Grant Fund - Federal	600000	4,583,006	1,392,576	-	-	-	-	-	-	-	-	5,975,582
Grant Fund - State	600001	630,500	3,100,000	-	-	-	-	-	-	-	-	3,730,500
Infrastructure Fund	100012	913,258	4,779	-	-	-	-	-	-	-	-	918,036
PFFA Lease Revenue Bonds 2015A-Projects	400859	1,832,260	-	-	-	-	-	-	-	-	-	1,832,260
PFFA Lease Revenue Bonds 2015B-Project	400860	1,325,489	-	-	-	-	-	-	-	-	-	1,325,489
PFFA Lease Revenue Refunding Bonds 2013A - Project	400853	536,422	-	-	-	-	-	-	-	-	-	536,422
Private & Others Contrib-CIP	400264	1,141,256	32,523	-	-	-	-	-	-	-	-	1,173,779
Refuse Disposal CIP Fund	700040	28,357	386,908	474,362	-	-	-	-	-	-	-	889,627
Rose & Tecolote Creek Water Quality	400631	401,972	-	-	-	-	-	-	-	-	-	401,972
SC-RDA Contribution to CIP Fund	200353	151,878	(1,345)	-	-	-	-	-	-	-	-	150,533
Unidentified Funding	9999	-	-	-	-	-	-	-	-	-	604,021,613	604,021,613
Water Utility - CIP Funding Source	700010	161,163	2,198,237	2,695,178	-	-	-	-	-	-	-	5,054,579
Total		\$ 54,095,454	\$ 38,179,432	\$ 7,423,428	\$ 23,363,856	\$ 43,111,051	\$ 13,371,971	\$ -	\$ -	\$ -	\$ 604,021,613	\$ 783,566,806

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:	Underfunded	Contact Information:	Eckert, Kristopher
Duration:	2024 - 2031		858-541-4387
Improvement Type:	Widening		keckert@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, Chollas Creek Watershed Regional Park Master Plan and is in conformance with the City's General Plan.

Schedule: Planning phase began in Fiscal Year 2023. Design and construction will be scheduled contingent upon the identification of funding.

Summary of Project Changes: Total project cost has increased by \$16.3 million due to an updated cost estimate reflecting current economic conditions. The project schedule has been updated for Fiscal Year 2025.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2025							Unidentified Funding	Project Total	
				FY 2025	Anticipated	FY 2026	FY 2027	FY 2028	FY 2029	Future FY			
Debt Funded General Fund CIP Projects	400881	\$ -	\$ 450,000	\$ -	\$ (450,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund WIFIA Loan-Construction	400884	-	3,630,094	-	(3,630,094)	-	-	-	-	-	-	-	-
Unidentified Funding	9999	-	-	-	-	-	-	-	-	-	82,984,893	-	82,984,893
Total		\$ -	\$ 4,080,094	\$ -	\$ (4,080,094)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 82,984,893	\$ 82,984,893	\$ 82,984,893

Stormwater

Upper Auburn Creek Revitalization Project / S22008

Drainage - Best Mgt Practices (BMPs)

Council District:	9	Priority Score:	88
Community Planning:	Mid-City: City Heights	Priority Category:	High
Project Status:	Underfunded	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 meet Chollas Creek Total Maximum Daily Load (TMDL) goals by reducing pollutant 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. 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 and construction will be scheduled contingent upon the identification of funding.

Summary of Project Changes: Total project cost has decreased by \$29.0 million due to revised project updates based on the final design. The project schedule has been updated for Fiscal Year 2025.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2025	FY 2025 Anticipated	FY 2026	FY 2027	FY 2028	FY 2029	Future FY	Unidentified Funding	Project Total
Debt Funded General Fund CIP Projects	400881	\$ 149,468	\$ 67,478	\$ -	\$ 853,968	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,070,915
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	-	-	-	-	-	-	-	-	-	58,804,437	58,804,437
Total		\$ 3,992,377	\$ 67,478	\$ -	\$ (1,516,941)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 58,804,437	\$ 61,347,352

Unfunded Needs List

Stormwater

Project	Project Total	Unidentified Funding	Percent Unfunded	Description
Pump Station D Upgrade / S22015	\$ 42,890,001	\$ 350,805	0.82%	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.
Carmel Country Road Low Flow Channel / S00969	\$ 9,855,940	\$ 2,128,441	21.60%	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	\$ 1,241,674,118	\$ 522,142,626	42.05%	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.
Stormwater Green Infrastructure / ACC00001	\$ 783,566,807	\$ 604,021,613	77.09%	This annual allocation provides for the design and construction of green infrastructure capital projects. These projects, in conjunction with non-structural water 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.
Upper Auburn Creek Revitalization Project / S22008	\$ 61,347,352	\$ 58,804,437	95.85%	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.
Chollas Creek Restoration 54th St & Euclid Ave / S22009	\$ 65,431,798	\$ 62,733,943	95.88%	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

Unfunded Needs List

Project	Project Total	Unidentified Funding	Percent Unfunded	Description
				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.
Maple Canyon Storm Drain Upgrade / S20003	\$ 38,265,000	\$ 37,310,159	97.50%	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.
Sunshine Bernardini Restoration / S24005	\$ 82,984,893	\$ 82,984,893	100.00%	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		\$ 1,370,476,917		