



# STORM DRAINAGE SYSTEM

# Storm Drainage System

The Storm Drainage System Program designs and constructs drainage improvement projects in areas of the City with a demonstrated need of flood protection for Houston and its residents. The Storm Water Drainage System includes collection of rainfall runoff via roadside ditches and/or streets with underground pipe (storm sewer) and the conveyance of storm water via off-road channels and underground structures to a receiving system and detention structures designed manage the rate of flow into a receiving system. The receiving system can be a bayou, tributary channel, or another storm sewer. The program includes investments in channel and detention capacity made in partnership with the Harris County Flood Control District.

The Capital Improvement Plan (CIP) provides an estimate of delivery by fiscal year for the next five years. The FY2026-2030 CIP includes \$1.156 billion for Storm Drainage System improvements funded primarily through drainage fees assessed on non-exempted benefitted property and a dedication of ad valorem revenue to the Dedicated Drainage and Street Renewal Fund (DDSRF). An additional \$63 million of Water and Wastewater improvements are planned to accompany Storm Drainage System projects.

The Storm Drainage System Program consists of the following major components:

## **Capital Improvement Projects:**

- The City uses objective criteria to develop a ranked list of the highest priority need areas across the City and prioritize candidate storm drainage projects based on their benefits and costs. Projects are developed in accordance with the City's design criteria to convey 2-year rainfall events within the collection system (roadside ditch and/or storm sewer) and reduce the risk of structural flooding during 100-year storm events. Properties within special flood hazard areas or the 100-year flood zone will be protected from localized event flooding but may not be protected from flooding related to inadequate level of service of the receiving system.

## **Local Drainage Program (LDP) & Storm Water Action Team (SWAT) Projects:**

- These programs address localized storm water drainage system problems including inadequate level of service due to underground storm sewer capacity, roadside ditch grade deterioration and encroachments, inlet capacity, and/or structural failure of the storm sewer or outfall. Engineering and construction are accomplished by work order contracts in order to address these problems quickly and cost effectively. The FY 2026-2030 CIP commits approximately \$170 million to these programs.

## **Storm Drainage System Projects deferred to future CIPs:**

The following projects were previously listed in Adopted CIPs and will be prioritized for construction as additional funding is identified in future CIPs.

M-410019-0001	Sharpstown Area 2
M-410021-0001	Pinewood Village 2
M-410022-0001	Garden Oaks and Shepherd Park (East)
M-410027-0002	Richmond Plaza 1 (North)
M-410036-0002	Spring Shadows Area
M-410038-0001	Central Park Area

Project Allocation	Fiscal Year Planned Appropriations					2026-2030
	2026	2027	2028	2029	2030	
Planning						
Acquisition-Land						
Design	<b>17,161</b>	8,950	10,950	8,950	8,950	54,961
Construction	<b>336,166</b>	276,517	168,123	102,255	58,055	941,115
Equipment Acquisition						
Salary Recovery						
Other	<b>13,665</b>	155,796	18,000	18,000	3,000	208,460
<b>Total Allocation</b>	<b>366,992</b>	<b>441,262</b>	<b>197,073</b>	<b>129,205</b>	<b>70,005</b>	<b>1,204,537</b>
<b>Source of Funds</b>						
2302 - Stormwater Fund	<b>45,000</b>	25,000	25,000	25,000	25,000	145,000
4042 - DDSRF CAPITAL FUND-DRAINAGE CHARGE	<b>179,288</b>	94,845	145,400	94,205	45,005	558,743
4046 - DDSRF CAPITAL FUND-AD VALOREM TAX	<b>83,070</b>	12,291	6,685			102,045
4510 - Contribution for Capital Projects	<b>24,091</b>	83,125		10,000		117,216
4515 - Contributed Capital Project Fund	<b>3,000</b>					3,000
5000 - Federal Government - Grant Funded	<b>18,428</b>	15,793	19,988			54,209
5400 - Federal Government-PWE Grant Funded-DDSR	<b>850</b>	4,343				5,193
5410 - State - PWE State Grant Funded - DDSR		85,000				85,000
5430 - Federal State Local - HPW Pass thru DDSR	<b>13,264</b>	120,865				134,129
8500 - HPW-W&S Syst Consolidated Constr Fd						
<b>Total Funds</b>	<b>366,992</b>	<b>441,262</b>	<b>197,073</b>	<b>129,205</b>	<b>70,005</b>	<b>1,204,537</b>

**STORM DRAINAGE SYSTEM - Summary of Funds**  
**2026-2030 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project		Fiscal Year Planned Appropriations					2026-2030
			2026	2027	2028	2029	2030	
<b>M-000247</b>	<b>Nottingham &amp; Yorkshire Area</b>							
	4046 - DDSRF CAPITAL FUND-AD VALOREM TAX		13,374				13,374	
	8500 - HPW-W&S Syst Consolidated Constr Fd		5,374				5,374	
	<b>Project Total</b>		<b>18,748</b>				<b>18,748</b>	
<b>M-410002</b>	<b>Potomac and Nantucket Area</b>							
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR			13,201			13,201	
	8500 - HPW-W&S Syst Consolidated Constr Fd			3,001			3,001	
	<b>Project Total</b>		<b>16,202</b>				<b>16,202</b>	
<b>M-410005</b>	<b>Spring Shadows</b>							
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR			14,785			14,785	
	<b>Project Total</b>		<b>14,785</b>				<b>14,785</b>	
<b>M-410006</b>	<b>Arlington Heights Area</b>							
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		10,297				10,297	
	8500 - HPW-W&S Syst Consolidated Constr Fd		4,918				4,918	
	<b>Project Total</b>		<b>15,215</b>				<b>15,215</b>	
<b>M-410013</b>	<b>Melrose Park Area</b>							
	5000 - Federal Government - Grant Funded			19,988			19,988	
	<b>Project Total</b>		<b>19,988</b>				<b>19,988</b>	
<b>M-410015</b>	<b>Magnolia Park Area</b>							
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		8,199				8,199	
	4510 - Contribution for Capital Projects		15,000				15,000	
	8500 - HPW-W&S Syst Consolidated Constr Fd		5,187				5,187	
	<b>Project Total</b>		<b>28,386</b>				<b>28,386</b>	

**STORM DRAINAGE SYSTEM - Summary of Funds**  
**2026-2030 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project							2026-2030	
			2026	2027	2028	2029	2030		
<b>M-410016</b>	<b>Westridge and Braes Terrace Area</b>								
	4046 - DDSRF CAPITAL FUND-AD VALOREM TAX		7,108		6,685			13,793	
	8500 - HPW-W&S Syst Consolidated Constr Fd		2,069		2,275			4,344	
	<b>Project Total</b>		9,177		8,959			18,137	
<b>M-410019</b>	<b>Sharpstown Area 2</b>								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		2,122					2,122	
	<b>Project Total</b>		2,122					2,122	
<b>M-410024</b>	<b>Southland Area</b>								
	4046 - DDSRF CAPITAL FUND-AD VALOREM TAX		12,291					12,291	
	8500 - HPW-W&S Syst Consolidated Constr Fd		1,362					1,362	
	<b>Project Total</b>		13,653					13,653	
<b>M-410025</b>	<b>Inwood Forest Area</b>								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		25,629					25,629	
	8500 - HPW-W&S Syst Consolidated Constr Fd		10,913					10,913	
	<b>Project Total</b>		36,542					36,542	
<b>M-410028</b>	<b>Westbury Area</b>								
	4046 - DDSRF CAPITAL FUND-AD VALOREM TAX		16,455					16,455	
	4510 - Contribution for Capital Projects		5,000					5,000	
	8500 - HPW-W&S Syst Consolidated Constr Fd		5,582					5,582	
	<b>Project Total</b>		27,037					27,037	
<b>M-410029</b>	<b>Chateau Forest Area</b>								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		13,753					13,753	
	8500 - HPW-W&S Syst Consolidated Constr Fd		2,002					2,002	
	<b>Project Total</b>		15,755					15,755	

**STORM DRAINAGE SYSTEM - Summary of Funds**  
**2026-2030 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project							2026-2030	
			2026	2027	2028	2029	2030		
<b>M-410033</b>	<b>Avalon Place</b>								
	4046 - DDSRF CAPITAL FUND-AD VALOREM TAX		2,804					2,804	
	<b>Project Total</b>		2,804					2,804	
<b>M-410035</b>	<b>Northside High School Area</b>								
	4046 - DDSRF CAPITAL FUND-AD VALOREM TAX		33,576					33,576	
	8500 - HPW-W&S Syst Consolidated Constr Fd		13,407					13,407	
	<b>Project Total</b>		46,983					46,983	
<b>M-410038</b>	<b>Central Park Area</b>								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		3,711					3,711	
	<b>Project Total</b>		3,711					3,711	
<b>M-410039</b>	<b>Cottage Grove East Area</b>								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		12,981					12,981	
	4046 - DDSRF CAPITAL FUND-AD VALOREM TAX		9,752					9,752	
	8500 - HPW-W&S Syst Consolidated Constr Fd		5,701					5,701	
	<b>Project Total</b>		28,434					28,434	
<b>M-410040</b>	<b>Braeburn Glen Area Flood Mitigation</b>								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		24,373					24,373	
	4510 - Contribution for Capital Projects		3,100					3,100	
	5430 - Federal State Local - HPW Pass thru DDSR		5,597					5,597	
	<b>Project Total</b>		33,070					33,070	
<b>M-410041</b>	<b>Kuhlman Gully Mitigation</b>								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR						36,750		36,750
	<b>Project Total</b>						36,750		36,750

**STORM DRAINAGE SYSTEM - Summary of Funds**  
**2026-2030 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project							2026-2030	
			2026	2027	2028	2029	2030		
M-410042	<b>OST/Griggs Area Drainage and Paving Impr</b>								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR				20,414			20,414	
	<b>Project Total</b>				20,414			20,414	
M-410043	<b>Freeway Manor/Gulfway Terrace Detention</b>								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR					35,955		35,955	
	4510 - Contribution for Capital Projects					10,000		10,000	
	<b>Project Total</b>					45,955		45,955	
M-410291	<b>Turkey Gully Diversion</b>								
	5000 - Federal Government - Grant Funded			15,793				15,793	
	8500 - HPW-W&S Syst Consolidated Constr Fd			1,198				1,198	
	<b>Project Total</b>			16,991				16,991	
M-420126	<b>Local Drainage Program (LDP)</b>								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		41,889	12,950	12,950	12,950	12,950	93,689	
	4510 - Contribution for Capital Projects		991					991	
	<b>Project Total</b>		42,880	12,950	12,950	12,950	12,950	94,680	
M-420HUD	<b>CDBG Disaster Recovery Program</b>								
	5000 - Federal Government - Grant Funded		3,315					3,315	
	5400 - Federal Government-PWE Grant Funded-DD		850	4,343				5,193	
	<b>Project Total</b>		4,165	4,343				8,508	
M-42LHUD	<b>CDBG Mitigation: Local Action Plan</b>								
	5000 - Federal Government - Grant Funded		9,913					9,913	
	<b>Project Total</b>		9,913					9,913	

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**2026-2030 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project							2026-2030	
			2026	2027	2028	2029	2030		
<b>M-430006</b>	<b>Storm Water Action Team (SWAT)</b>								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		20,000	20,000	20,000	20,000	20,000	100,000	
	4515 - Contributed Capital Project Fund		3,000					3,000	
	<b>Project Total</b>		23,000	20,000	20,000	20,000	20,000	103,000	
<b>M-430100</b>	<b>Pre-Engineering for Storm Water Drainage</b>								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		2,000		2,000			4,000	
	<b>Project Total</b>		2,000		2,000			4,000	
<b>M-430220</b>	<b>Project Mgmt. Incl. Testing &amp; Inspection</b>								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		1,700	1,700	1,700	1,700	1,700	8,500	
	<b>Project Total</b>		1,700	1,700	1,700	1,700	1,700	8,500	
<b>M-430241</b>	<b>Stormwater Pump Station &amp; Flood Warning</b>								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		1,000	1,000	1,000	1,000	1,000	5,000	
	<b>Project Total</b>		1,000	1,000	1,000	1,000	1,000	5,000	
<b>M-430296</b>	<b>Regional Stormwater Detention</b>								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		14,931	17,355	15,600	15,600	2,355	65,841	
	4510 - Contribution for Capital Projects			27,748				27,748	
	5000 - Federal Government - Grant Funded		5,200					5,200	
	5430 - Federal State Local - HPW Pass thru DDSR		7,667	24,276				31,943	
	<b>Project Total</b>		27,798	69,380	15,600	15,600	2,355	130,733	
<b>M-430800</b>	<b>Developer Participation</b>								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		3,000	3,000	3,000	3,000	3,000	15,000	
	<b>Project Total</b>		3,000	3,000	3,000	3,000	3,000	15,000	

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**2026-2030 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project							2026-2030	
			2026	2027	2028	2029	2030		
<b>M-43E101</b>	<b>HMGP North Canal Project</b>								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		13,844					13,844	
	4510 - Contribution for Capital Projects		55,377					55,377	
	5430 - Federal State Local - HPW Pass thru DDSR		54,492					54,492	
	<b>Project Total</b>		123,713					123,713	
<b>M-43HCFC</b>	<b>Harris County Flood Control Dist Agrmnt</b>								
	5430 - Federal State Local - HPW Pass thru DDSR		10,000					10,000	
	<b>Project Total</b>		10,000					10,000	
<b>M-43M009</b>	<b>Ditch Reestablishment Program</b>								
	2302 - Stormwater Fund		45,000	25,000	25,000	25,000	25,000	145,000	
	<b>Project Total</b>		45,000	25,000	25,000	25,000	25,000	145,000	
<b>M-450500</b>	<b>Storm Water Improvements Under R/S</b>								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		10,699					10,699	
	5410 - State - PWE State Grant Funded - DDSR		85,000					85,000	
	5430 - Federal State Local - HPW Pass thru DDSR		32,097					32,097	
	<b>Project Total</b>		127,796					127,796	
<b>M-500001</b>	<b>Future Design</b>								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		4,000	4,000	4,000	4,000	4,000	20,000	
	<b>Project Total</b>		4,000	4,000	4,000	4,000	4,000	20,000	
<b>M-NA0000</b>	<b>Funding Offset</b>								
	8500 - HPW-W&S Syst Consolidated Constr Fd		-50,235	-7,478	-5,276			-62,989	
	<b>Project Total</b>		-50,235	-7,478	-5,276			-62,989	
	<b>Total Appropriations:</b>		366,992	441,262	197,073	129,205	70,005	1,204,537	



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