

Project Number	Former Project IDs			Project Name	Description / Summary	Status	Problem Description	Project Description	Priority	City Needs and Next Steps (Narrative)	Notes	Budget Estimate
	1997 SWMP	2009 CIP	2017 CIP									
1		31	SW-6	Comprehensive Surface Water Management Plan Update	City-wide planning, targeted development standard evaluation, floodplain management, and annual updates	IN PROGRESS	The City's comprehensive SWMP has not been formally updated since its initial adoption in 1997, and is in need of review to ensure compliance with current regulations and permit requirements.	Compile all issues identified in 1997 SWMP, the draft 2009 update, and issues brought to staff attention since then. 2017: Completing comprehensive update 2017-18: Wet season water monitoring	High	Preparing for wet season monitoring, awaiting scope of work for bids, preparing for property use agreements	2017: \$150,000 remaining as of 9/7/2017	2018: \$100,000 +/- 2019+: \$25,000 +/-
2			SW-1	City Drainage Infrastructure Program / Spot Improvements	Annual Small Project Improvements	ONGOING	See separate list		High	Annual small project review and prioritization		\$100,000 Annually
3		32		Closed Depression Basin Plan	Study long-range surface water needs for closed depressions	PENDING	A basin-level determination of issues is needed, including exploring the need for basin-specific standards to address said issues (i.e., flooding).	Conduct a series of basin studies to determine long range surface water needs.	High	<i>Problem and project definition updated based on SWMP Update work.</i>		\$1,070,000
4	LC-1 - LC-3			Lake Chalet Flooding	Flooding of 29th St E and adjacent properties	PENDING	Street closure due to flooding, property flooding.	TBD by further pothole evaluation. Water quality concerns and proximity to wells present challenges for infiltration.	High	Prepare cost estimates for pump, siphon, and gravity designs	Estimate for pump station w/ conveyance to Simon's Creek via the Simon's Mill Apartments; only 4' to 6' above current lake flood stage.	\$500,000
5	EB-1 - EB-6			Edgewood Bowl Flooding	Flooding of 110th and 114th Ave E, and 16th St E	PENDING	Edgewood Bowl flooding: Street closed with up to 3 feet of water overtop, House crawlspace and garage flooded (10704 16th St. E).	TBD by further pothole evaluation.	High	UIC Evaluation and Pilot Project	Awaiting wet season monitoring results and grant funding to proceed	\$1,500,000
6	122-1 - 122-3			122nd Ave Pothole Flooding		NEEDS RE-EVALUATION	Meadow Vista tracts flooded, homes on 122nd flooded, driveway flooding (1997) There is no imminent threat to private property other than one driveway and EVA.	TBD by further pothole evaluation.	High	Flooded driveway recently elevated another foot, water levels seem to be rising, several new homes in the basin.	Coordinating with elevated driveway property owner, possible exploration and injection site	TBD
7	114-1 - 114-5			Pinedale Pond Pothole (114th Ave) Flooding	Flooding of 32nd St E and adjacent properties	PENDING	Street closed due to flooding, excessive flooding over driveway (2614 115th Ave E.) so only house access is via rowboat.	TBD by further pothole evaluation.	High	Driveway nearly submerged last two winters, waiting on UIC Evaluation and Pilot Project	Site is currently under consideration for Conservation Futures grant funding to acquire property, \$100K match req'd.	TBD
8	108-1 - 108-3	5	SW-5	108th Ave. E. / 36th St. E. Road Flooding	Pothole / Wetland Seasonal Flooding	PENDING	During heavy rains, this area is prone to flooding where the entire roadway ends up being underwater. Roadway intersection and adjoining streets routinely flood during wet winters resulting in the closure of the roadways.	This project is located within 500 feet of the subject intersection. A study is needed to assess alternatives, including raising the intersection to prevent roadway flooding.	High	Partially submerged last two winters, waiting on UIC Evaluation and Pilot Project	May be opportunity to perform spot improvement(s) along 36th St E, route water to pothole to the northeast	\$1,000,000
9				Surprise Lake Pothole Flooding		NEEDS RE-EVALUATION	1 house flooded, 1 septic system flooded (1997). Potential flooding risk for two houses	TBD by further pothole evaluation. Commercial property is amenable to investigative work.	High	Waiting on UIC Evaluation and Pilot Project before determining next step(s)	Recent development to the north (View Pointe / Domus Townhomes) is now routing extreme flows away from pothole	TBD
10	SE-2	23		Edgewood Drive Drainage Improvements	Tightline drainage between 48th and 53rd - work has been done along part of this corridor, paving shoulders and ditches for stabilization	NEEDS RE-EVALUATION	Inadequate roadway drainage.	Install tight-lined drainage system along roadway.	Medium	Review 2009 Draft CIP Appendix sketch and review scope of work needed, need to evaluate capacity of receiving system and adequacy of energy dissipation	Revisit assumptions and improvement extents, refine cost before public discussion	\$860,000
11	JC-1, JC-2	7	SW-11	Jovita Boulevard Rehabilitation	Evaluate slope drainage and seeps, road alignment, add'l walls?	PENDING	Annual problems with seeps, slope stability, and culvert drainage	Focusing between 114th Ave E and West Valley Highway, this project may include the following: * Reconstruction of roadway, redefining alignment and super-elevation * Slope protection (guardrails & walls) * Stream protection, storm drainage conveyance installation	Medium	No imminent threats or issues, ongoing box culvert maintenance concerns being evaluated, need to coordinate with Roads Funding / TIP before going much further		TBD
12				Meridian Ave E.	Meridian Ave E (SR-161) Corridor	NEW	WSDOT widening project had the effect of isolating some properties on the east side of Meridian from adequate surface water drainage	Review existing infrastructure and identify properties with inadequate service, then develop plans for providing adequate service	Medium	Currently relying on new development project(s) to identify needs and establish conveyance	Collecting / conveying surface water from adjacent properties along the corridor, re-establishing natural drainage patterns, and sizing conveyance to accommodate growth	TBD
13	JC-3, JC-4	6, 27, 28	SW-3	Jovita Creek Regional Improvement Feasibility Study	TMDL / WQ Improvements, Regional Detention Evaluation, Slope Stability and Sediment Transport Prevention	PENDING	Uncontrolled stormwater runoff.	Prepare an Engineering Feasibility Study for design and construction of regional facilities to reduce peak flow rates and address TMDL in Jovita Creek, addressing basin-wide issues and identifying possible locations and impacts of development of a regional pond system.	Low	Need to identify a scope for evaluating this area and addressing TMDL requirements	Unlikely to proceed without neighboring agency participation	\$500,000
14			SW-2	Mortenson Farm Regional Stormwater Improvements	WQ Improvements, Stream Channel Restoration, Regional Detention Evaluation, Wetland Enhancement, Passive Recreation	PENDING	Uncontrolled stormwater runoff can damage sensitive salmon bearing streams and wetlands.	Purchased in 2003 with Surface Water Funds, the site was identified for future stormwater quality enhancements and possible park use. WQ enhancement could improve the health of the Hylebos Creek watershed. Restoration of the stream channel will create salmon rearing and spawning habitat. Efforts could be made to increase base flows through wetland area enhancement, and restoration could include a passive trail or boardwalk.	Low	Waiting on coordination with other jurisdictions and potential partnership(s) with adjacent developing properties		\$1,250,000
15	SL-1, SL-2	4	SW-7	25th St. E. Drainage Improvements	Slope stability and drainage - Road is currently abandoned / closed	PENDING	Downhill erosion and sliding of roadway embankments cause road closures.	Work to be done to include catch basin and pipe installation, controlling and conveying road runoff safely to the bottom of the hill. This work is necessary in order to stabilize and repair historical slide damage, and prevent future slides along the route.	Low	Slope stability analysis underway by Grey & Osborne, performing routine maintenance activity in the interim, considering use of abandoned roadway for passive use trail.	This site is not an imminent threat to property or public.	\$200,000

16	WE-1, WE-3		Wapato Creek / Simon's Creek Ravine Drainage	Sediment transport and channel erosion (private property)	NO ACTION - MAYBE MONITOR?	Erosion in steep channel is depositing large sediment load at base of ravine.	Possible solutions include armoring the open channel, adding a buried pipe down the steep slope, or adding a detention vault or dry well in the basin above the slope to reduce runoff.	Low	No concerns identified during last two wet winters, keeping this on the list for future evaluation as needs arise.	Floodplain management. Future development feasibility and evaluation?	TBD
17	SC-4		Creek Bed Slippage (9608 29th St Ct E?)	Ravine wall erosion due to stream flows	NO ACTION TAKEN	Creek eroding ravine walls, threatening home?	Evaluate flow rates and energy dissipation feasibility	Low	Need to contact the adjacent land owners and evaluate needs, then prioritize a solution	Floodplain management. Future development feasibility and evaluation?	TBD
18		30	SW Maint. Utility Storage Yard	Review needs and determine site for possible yard establishment	PENDING	Lack of a maintenance yard results in inefficiencies in conducting maintenance operations.	Conduct a study to determine required facility improvements and identify possible locations and costs.	Low	Work currently performed under contract by Pierce County, will look into establishing local yard as resources become available.		TBD
19		33	FEMA Flood Study	Establish flood plain limits for closed depression areas in the city	PENDING	Floodplain Limits have not been established within the Closed depression regions of the City to allow for FEMA funding of improvements.	Conduct a flood study to determine FEMA Floodplain Limits.	Low	Recently adopted 2017 FEMA FIRMs, updated relevant sections of EMC to maintain eligibility - Closed Depression Basin Plan may lead into BFE determination		TBD

Note: Projects in green are studies or projects not related to a single location.