

Surface Water Management Utility



Capital Improvement Program



City of Kirkland
2015-2020 Capital Improvement Program

SURFACE WATER MANAGEMENT UTILITY PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 Total	Funding Source				
										Current Revenue	Reserve	Debt	External Source	
<i>SD 0047</i>	<i>Annual Replacement of Aging/Failing Infrastructure</i>		200,000		200,000	200,000	200,000	200,000	1,000,000	1,000,000				
<i>SD 0048</i>	<i>Cochran Springs / Lake Washington Blvd Crossing Enh.</i>	520,000	971,500	478,500					1,450,000	1,450,000				
<i>SD 0049+</i>	<i>Forbes Creek/108th Ave NE Fish Passage Imp</i>						230,400	179,600	410,000	410,000				
<i>SD 0063+</i>	<i>Everest Creek - Slater Ave at Alexander St</i>							360,000	360,000	360,000				
<i>SD 0067</i>	<i>NE 129th Place/Juanita Creek Rockery Repair</i>	115,500	370,000						370,000	132,100			237,900	
<i>SD 0076</i>	<i>NE 141st Street/111th Avenue NE Culvert Repair</i>	181,500		76,100	683,900				760,000	760,000				
<i>SD 0077</i>	<i>Goat Hill Storm Drainage Repair</i>	153,700	168,000	672,000					840,000	840,000				
<i>SD 0078</i>	<i>Billy Creek Ravine Stabilization Phase II</i>	87,600	43,000	187,000					230,000	230,000				
<i>SD 0081</i>	<i>Neighborhood Drainage Assistance Program (NDA)</i>		50,000		50,000		50,000		150,000		150,000			
<i>SD 0084+</i>	<i>Market St, Central to 12th Ave</i>						224,000	696,000	920,000	920,000				
SD 0086	99th Place NE Stormwater Pipe Replacement		390,000						390,000	2,000	388,000			
SD 0087	Silver Spurs Flood Reduction				70,000				70,000	70,000				
SD 0088	Comfort Inn Pond Modifications			407,000	240,000				647,000	310,000			337,000	
SD 0089	NE 142nd Street Surface Water Drainage Improvements				160,000				160,000	160,000				
SD 0090	Goat Hill Drainage Ditch and Channel Stabilization					320,000			320,000	320,000				
SD 0091	Holmes Point Drive Pipe Replacement		40,000	260,400	199,600				500,000	500,000				
SD 0092	Juanita Creek Culvert				140,600	519,400			660,000	660,000				
SD 0093	Pleasant Bay Apartments Line Replacement				106,900	203,100			310,000	310,000				
SD 0094	NE 114th Place Stormline Replacement							260,000	260,000	260,000				
SD 0095	NE 141st Street Stormwater Pipe Installation					170,000			170,000	170,000				
SD 0096	CKC Emergent Projects Surface Water Opportunity Fund			100,000					100,000		100,000			
SD 0097	Champagne Creek Stabilization					339,500	440,500		780,000	780,000				
SD 0098	Champagne Creek Stormwater Retrofit					120,000			120,000	120,000				
SD 0099	Goat Hill Drainage Conveyance Capacity							259,200	370,800	630,000	630,000			
SD 0100	Brookhaven Pond Modifications							301,900	313,600	615,500	615,500			
SD 0105	Property Acquisition Opportunity Fund			50,000	50,000	50,000	50,000	50,000	250,000	250,000		250,000		
SD 0106	CKC Surface Water Drainage at Crestwoods Park Permitting Study		40,000						40,000	40,000				
SD 0106 001	CKC Surface Water Drainage at Crestwoods Park Design/Construction			300,000	700,000				1,000,000		500,000		500,000	
<i>SD 8888</i>	<i>Annual Streambank Stabilization Program</i>		44,200						44,200	44,200				
<i>SD 9999</i>	<i>Annual Surface Water Infrastructure Replacement Program</i>		44,200						44,200	44,200				
Total Funded Surface Water Management Utility Projects			1,058,300	2,360,900	2,531,000	2,601,000	1,922,000	2,016,000	2,170,000	13,600,900	11,138,000	1,388,000	0	1,074,900

Notes

Italics = Modification in timing and/or cost (see Project Modification/Deletion Schedule for more detail)

Bold = New projects

+ = Moved from unfunded status to funded status

" = Moved from funded status to unfunded status

SURFACE WATER MANAGEMENT UTILITY PROJECTS

Unfunded Projects:

Project Number	Project Title	Total
SD 0045	Carillon Woods Erosion Control Measures	549,600
<i>SD 0046</i>	<i>Regional Detention in Forbes and Juanita Creek Basins</i>	<i>10,000,000</i>
SD 0050	NE 95th Street/126th Avenue NE Flood Control Measures	55,900
<i>SD 0051"</i>	<i>NE 95th Street/126th Avenue NE Flood Control Measures</i>	<i>1,290,900</i>
SD 0052	Forbes Creek/Slater Avenue Embankment Stabilization	139,700
<i>SD 0053"</i>	<i>Forbes Creek/Coors Pond Channel Grade Controls</i>	<i>424,200</i>
SD 0054	Forbes Creek/Cross Kirkland Corridor Fish Passage Improvements	424,200
SD 0055	Forbes Creek / 98th Avenue NE Riparian Plantings	75,500
SD 0056	Forbes Creek Ponds Fish Passage/Riparian Plantings	213,000
<i>SD 0058"</i>	<i>Surface Water Sediment Pond Reclamation (Phase II)</i>	<i>851,000</i>
SD 0061	Everest Park Stream Channel/Riparian Enhancements	1,095,500
SD 0062	Stream Flood Control Measures at Kirkland Post Office	345,400
SD 0068	128th Ave NE/NE 60th Street To NE 64th St Drainage Imp.	270,300
SD 0070	Juanita Creek Watershed Enhancement Study	50,000
SD 0074	Streambank Stabilization Program – NE 86th Street	640,200
SD 0085 001	Cross Kirkland Water Quality	920,000
SD 0107	132nd Square Park Stormwater Retrofit Project	4,510,000
Subtotal Unfunded Surface Water Management Utility Projects		21,855,400
Funding Available from Annual Programs for Candidate Projects		88,400
Net Unfunded Surface Water Management Utility Projects		21,767,000

Notes

Italics = Modification in timing and/or cost (see Project Modification/Deletion Schedule for more detail)

Bold = New projects

+ = Moved from unfunded status to funded status

" = Moved from funded status to unfunded status

Funded
Surface Water Management
Utility Projects



**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0047 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	ANNUAL REPLACEMENT OF AGING /FAILING INFRASTRUCTURE		
PROJECT LOCATION	Various locations	PROJECT START	PROJECT STATUS
		Ongoing	Modified Project

DESCRIPTION/JUSTIFICATION			
<p>The regular replacement of aging and/or failing Surface Water Utility infrastructure. The City will prioritize system improvements through the use of a video system that will investigate surface water piping. Following the prioritization, improvements will be identified for either reconstruction using City forces or through the normal contractor bidding process.</p>			

REASON FOR MODIFICATION (WHERE APPLICABLE)			
<p>Total project cost changed from \$1,200,000 to \$1,000,000 to reflect available remaining funds after re-prioritized funded infrastructure replacement projects have been identified in specific years.</p>			

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 100 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %

CAPITAL COSTS	Prior Year(s)								2015-2020 TOTAL	Future Year(s)	Total Project
		2015	2016	2017	2018	2019	2020				
Planning/Design/Engineering	0	0	0	0	0	0	0	0	0	0	
In-House Professional Svcs.	0	0	0	0	0	0	0	0	0	0	
Land Acquisition	0	0	0	0	0	0	0	0	0	0	
Construction	0	200,000	0	200,000	200,000	200,000	200,000	1,000,000	0	1,000,000	
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0	
Equipment	0	0	0	0	0	0	0	0	0	0	
Other Services	0	0	0	0	0	0	0	0	0	0	
Total	0	200,000	0	200,000	200,000	200,000	200,000	1,000,000	0	1,000,000	
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0	
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0047 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	ANNUAL REPLACEMENT OF AGING /FAILING INFRASTRUCTURE
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction, traffic detours, delays and disruption should be anticipated. These system improvements could also entail the use of "trenchless" technology which could reduce impacts to the public. Design considerations will strive to minimize public disruption.</i>
Community economic impacts	<i>The degradation of surface water infrastructure without appropriate scheduled and proactive repair/reconstruction will increase overall community costs due to repeated maintenance requirements.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Failing surface water infrastructure could lead to roadway, stream bank or other property damage. This damage in turn could lead to a decreased community support level for City services and/or claims, accidents, or high cost failures.</i>
Responds to an urgent need or opportunity	<i>This project is an important recommendation in the Surface Water Master Plan and will limit unanticipated expenses from the Surface Water operating fund.</i>
Feasibility, including public support and project readiness	<i>Projects have yet to be identified, however the community has historically supported proactive system maintenance.</i>
Conforms to legal or contractual obligations	<i>Will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>The timely replacement of failing infrastructure is consistent with Governmental Accounting Standards Board (GASB) Statement 34 and the Growth Management Act.</i>
Benefits to other capital projects	<i>Unknown specifics at this point, however, the project will reduce potential failure of streets or other above ground facilities if pipes fail while also reducing materials and downstream sedimentation that currently enter the drainage system from broken, separated, or failing pipes.</i>
Implications of deferring the project	<i>Increased maintenance commitment, potential system collapse, sedimentation downstream of failed pipe.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>City-wide</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0048 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	COCHRAN SPRINGS / LAKE WASHINGTON BLVD CROSSING ENHANCEMENT		
PROJECT LOCATION	3700 Block of Lake Washington Boulevard at Cochran Springs Creek	PROJECT START	PROJECT STATUS
		2012	Modified Project

DESCRIPTION/JUSTIFICATION

Sedimentation deposits in the channel downstream of this culvert results in backwater conditions and sedimentation presenting an ongoing maintenance task for City crews. The backwater condition impedes the culvert's capacity to convey large peak events. Additionally, sediment deposition downstream of Lake Washington Boulevard increases the risk of overbank flooding water in the Yarrow Bay business park. Improving fish passage at the culvert will allow access to approximately 375 feet of breeding and rearing habitat. Increasing the culvert's flow capacity will reduce the risk of flooding on Lake Washington Boulevard.

REASON FOR MODIFICATION (WHERE APPLICABLE)

Total project cost changed from \$1,637,000 to \$1,970,000 due to updated cost estimate.

POLICY BASIS	PRIOR YEAR(S) BUDGET TO ACTUALS	METHOD OF FINANCING (%)	
Surface Water Master Plan			Current Revenue
		Reserve	0 %
	Budget \$520,000	Grants	0 %
	Actual \$286,389	Other Sources	0 %
	Balance \$233,611	Debt	0 %
		Unfunded	0 %

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	77,000	144,000	71,000	0	0	0	0	215,000	0	292,000
In-House Professional Svcs.	36,000	67,000	33,000	0	0	0	0	100,000	0	136,000
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	407,000	760,500	374,500	0	0	0	0	1,135,000	0	1,542,000
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	520,000	971,500	478,500	0	0	0	0	1,450,000	0	1,970,000
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0048 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	COCHRAN SPRINGS / LAKE WASHINGTON BLVD CROSSING ENHANCEMENT
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>The preferred alternative for this project would require closure and detours on Lake Washington Boulevard which handles approximately 25,000 vehicles per day including transit, residential, commuting traffic, and business services. It is anticipated that the installation of the bottomless culvert would require closure of approximately two weeks and require a dedicated detour.</i>
Community economic impacts	<i>The closure during construction will have a temporary economic impact to drivers and possibly surrounding businesses. The long-term impact of continued sedimentation would contribute to seasonal flooding of the Boulevard which would have disruptive impacts to drivers.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Localized flooding and environmental degradation will continue if the sedimentation along this stretch of Cochran Creek is not addressed. Available fish habitat would be enhanced with the projects.</i>
Responds to an urgent need or opportunity	<i>This project is identified as a high priority in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>The preferred alternative will require significant permitting, community information, and a significant detour/traffic control plan in order to be successful.</i>
Conforms to legal or contractual obligations	<i>Will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>Environmental and habitat enhancement for fish including native cutthroat and other species is consistent with the Endangered Species Act.</i>
Benefits to other capital projects	<i>None identified.</i>
Implications of deferring the project	<i>Continued sedimentation, loss of habitat, and potential flooding of Lake Washington Boulevard and surrounding commercial properties.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>Lakeview</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: approximately 30-40% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0049 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	FORBES CREEK / 108TH AVENUE NE FISH PASSAGE IMPROVEMENTS		
PROJECT LOCATION	108th Ave NE, between Forbes Creek Drive and NE 108th Street at Forbes Creek	PROJECT START	PROJECT STATUS
		2019	Modified Project

DESCRIPTION/JUSTIFICATION	
<p>108th Avenue NE is elevated above Forbes Creek and the adjacent wetlands. Curbs on both sides of the road appear to prevent street runoff from draining to the stream resulting in standing water on the road during storm events. The existing dual 36-inch corrugated metal pipe culverts also have created a barrier to fish passage. The culverts are located in a depositional area of Forbes Creek resulting in one of the two culverts filling with sediment, restricting fish passage.</p>	

REASON FOR MODIFICATION (WHERE APPLICABLE)
Moved from Unfunded consistent with updated prioritization per the 2014 Surface Water Master Plan; project costs changed from \$332,900 to \$410,000 due to updated cost estimate with start date in 2019.

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 100 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %

CAPITAL COSTS	Prior Year(s)							2015-2020 TOTAL	Future Year(s)	Total Project
		2015	2016	2017	2018	2019	2020			
Planning/Design/Engineering	0	0	0	0	0	35,000	27,000	62,000	0	62,000
In-House Professional Svcs.	0	0	0	0	0	16,000	13,000	29,000	0	29,000
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	179,400	139,600	319,000	0	319,000
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	230,400	179,600	410,000	0	410,000
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0049 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	FORBES CREEK / 108TH AVENUE NE FISH PASSAGE IMPROVEMENTS
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction, anticipated to last 2-3 weeks, alternate routes for the residents living north of Forbes Creek along 108th Ave NE will be required.</i>
Community economic impacts	<i>Overall maintenance costs will be reduced.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Localized flooding and environmental degradation will continue if the sedimentation along this stretch of Forbes Creek is not addressed. Available fish habitat would be enhanced with the projects.</i>
Responds to an urgent need or opportunity	<i>This project is identified as a high priority in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development and community involvement process, the access and delivery needs of the neighbors will be addressed. This project does not present significant engineering issues. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>Environmental and habitat enhancement for fish including native cutthroat and other species is consistent with the Endangered Species Act.</i>
Benefits to other capital projects	<i>Project timing will be coordinated with other utility projects (WA 0101 and SS 0062).</i>
Implications of deferring the project	<i>Continued flooding events.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>South Juanita</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: approximately 30-40% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0063 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	EVEREST CREEK - SLATER AVENUE AT ALEXANDER STREET		
PROJECT LOCATION	Slater Avenue and Alexander Street	PROJECT START	PROJECT STATUS
		2020	Modified Project

DESCRIPTION/JUSTIFICATION			
Flow enters this small ravine from an approximately 135 acre upstream basin via a pipe. Erosion around the pipe outlet has destabilized a road near the ravine, and sends large quantities of sand to downstream reaches of the creek, which results in increased maintenance needs in Everest Park. Installation of a highflow bypass and/or other stabilization features will prevent further damage to the road, and will reduce delivery of sediment to downstream areas thus reducing maintenance needs.			

REASON FOR MODIFICATION (WHERE APPLICABLE)			
Moved from Unfunded consistent with updated prioritization per the 2014 Surface Water Master Plan; project costs changed from \$830,300 to \$883,800 due to updated cost estimate with start date in 2020.			

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 100 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %

CAPITAL COSTS	Prior Year(s)								2015-2020 TOTAL	Future Year(s)	Total Project
		2015	2016	2017	2018	2019	2020				
Planning/Design/Engineering	0	0	0	0	0	0	54,000	54,000	78,000	132,000	
In-House Professional Svcs.	0	0	0	0	0	0	25,000	25,000	37,000	62,000	
Land Acquisition	0	0	0	0	0	0	0	0	0	0	
Construction	0	0	0	0	0	0	281,000	281,000	408,800	689,800	
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0	
Equipment	0	0	0	0	0	0	0	0	0	0	
Other Services	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	360,000	360,000	523,800	883,800	
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0	
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0063 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	EVEREST CREEK - SLATER AVENUE AT ALEXANDER STREET
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction of this project, adjacent property owners and motorists will be impacted by construction equipment and possible traffic detours.</i>
Community economic impacts	<i>Would reduce the potential for property damage and road closures due to localized flooding, channel incision, and sedimentation of stormwater infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Would reduce flooding, sedimentation, channel migration/incision associated health, safety and the above community impacts.</i>
Responds to an urgent need or opportunity	<i>Ravine is subject to possible seismic collapse.</i>
Feasibility, including public support and project readiness	<i>Access to the project area is relatively easy, and public support would likely be high. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>Project improves water quality. Several species listed under the Federal Endangered Species Act live in Lake Washington. The City is obligated to protect these species by improving the quality of water that flows to Lake Washington.</i>
Benefits to other capital projects	<i>May reduce the required scope of SD-0061 as sediment delivery will be reduced.</i>
Implications of deferring the project	<i>Ravine exhibits some instability and deferring the project may increase the likelihood of ravine collapse.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>Everest, Moss Bay</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0067 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	NE 129TH PLACE/JUANITA CREEK ROCKERY REPAIR		
PROJECT LOCATION	NE 129th Place east of 100th Avenue NE	PROJECT START	PROJECT STATUS
		2012	Modified Project

DESCRIPTION/JUSTIFICATION			
Project will evaluate the replacement of streambank rockery damaged during the December 2007 Storm, with an MSE supported concrete block wall.			

REASON FOR MODIFICATION (WHERE APPLICABLE)			
Total project cost changed from \$338,800 to \$485,500 based on new construction cost estimates; project receives King County Flood Control grant funding with percentage change in method of financing.			

POLICY BASIS	PRIOR YEAR(S) BUDGET TO ACTUALS		METHOD OF FINANCING (%)	
Surface Water Master Plan	Budget	\$115,500	Current Revenue	51 %
	Actual	\$90,073	Reserve	0 %
	Balance	\$25,427	Grants	KC Flood (\$237,900) 49 %
			Other Sources	0 %
			Debt	0 %
			Unfunded	0 %

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	86,700	55,000	0	0	0	0	0	55,000	0	141,700
In-House Professional Svcs.	28,800	26,000	0	0	0	0	0	26,000	0	54,800
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	289,000	0	0	0	0	0	289,000	0	289,000
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	115,500	370,000	0	0	0	0	0	370,000	0	485,500
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0067 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	NE 129TH PLACE/JUANITA CREEK ROCKERY REPAIR
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>Minor. Work can be accomplished by closing one lane of a residential collector street.</i>
Community economic impacts	<i>Project will maintain stability of the street and associated access.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Project will stabilize streambank, thus preventing erosion.</i>
Responds to an urgent need or opportunity	<i>Rockery was damaged by a large rainstorm and now is vulnerable to further damage.</i>
Feasibility, including public support and project readiness	<i>Project will require extensive local State and Federal permitting.</i>
Conforms to legal or contractual obligations	<i>Protects City infrastructure.</i>
Responds to state and/or federal mandate	<i>Project may include minor habitat improvements for salmon and trout and is consistent with the Endangered Species Act.</i>
Benefits to other capital projects	<i>None identified</i>
Implications of deferring the project	<i>Continued erosion may threaten stability of the street and will deliver fine sediment to the stream.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>North Juanita</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? <i>Not applicable</i> Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0076 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	NE 141ST STREET/111TH AVENUE NE CULVERT HEADWALL REPAIR		
PROJECT LOCATION	NE 141st Street and 111th Avenue NE	PROJECT START	PROJECT STATUS
		2013	Modified Project

DESCRIPTION/JUSTIFICATION

An existing 48-inch storm pipe has partially filled with sediment and the reduced flow capacity has created backwater conditions at the inlet resulting in channel aggradation, erosion and undermining of adjacent trees, with partial structural failure of the inlet headwall. Fish were observed in the downstream reach and Washington Department of Fish & Wildlife (WDFW) permitting will likely be required.

REASON FOR MODIFICATION (WHERE APPLICABLE)

Total project cost changed from \$181,500 to \$941,500 based on new construction cost estimate due to significant scope change and permitting requirements resulting from preliminary design efforts begun in 2013/2014; timing changed to be consistent with updated prioritization per the 2014 Surface Water Master Plan.

POLICY BASIS	PRIOR YEAR(S) BUDGET TO ACTUALS	METHOD OF FINANCING (%)	
Surface Water Master Plan		Current Revenue	100 %
		Reserve	0 %
	Budget \$181,500	Grants	0 %
	Actual \$37,887	Other Sources	0 %
	Balance \$143,613	Debt	0 %
		Unfunded	0 %

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	38,100	0	55,100	102,000	0	0	0	157,100	0	195,200
In-House Professional Svcs.	17,800	0	21,000	48,000	0	0	0	69,000	0	86,800
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	125,600	0	0	533,900	0	0	0	533,900	0	659,500
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	181,500	0	76,100	683,900	0	0	0	760,000	0	941,500
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0076 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	NE 141ST STREET/111TH AVENUE NE CULVERT HEADWALL REPAIR
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>Little to none.</i>
Community economic impacts	<i>Would reduce the potential for property damage, loss of business and road closures due to localized flooding, channel migration/incision, and sedimentation of stormwater infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Would reduce flooding, sedimentation, channel migration/incision associated health, safety and the above community impacts.</i>
Responds to an urgent need or opportunity	<i>Helps to prevent flooding.</i>
Feasibility, including public support and project readiness	<i>Project is feasible and will require minimal permitting.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>None identified.</i>
Implications of deferring the project	<i>Possible flooding and drainage issues.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>Finn Hill</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0077 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	GOAT HILL STORM DRAINAGE REPAIR		
PROJECT LOCATION	Between NE 117th Place and 91st Place NE (hillside drainage channel)	PROJECT START	PROJECT STATUS
		2014	Modified Project

DESCRIPTION/JUSTIFICATION

Stream channel delivers sediment to the bottom of the slope where it impacts existing drainage structures and periodically overflows onto private property during high flow events. Project will evaluate and implement the best drainage alternatives including, but not limited to a tight-line stream channel and installation of a drainage structure for ease of maintenance.

REASON FOR MODIFICATION (WHERE APPLICABLE)

Total project cost changed from \$153,700 to \$993,700 based on new construction cost estimate due to significant scope change and permitting requirements resulting from preliminary design efforts begun in 2014; timing changed to be consistent with updated prioritization per the 2014 Surface Water Master Plan.

POLICY BASIS	PRIOR YEAR(S) BUDGET TO ACTUALS	METHOD OF FINANCING (%)	
Surface Water Master Plan		Current Revenue	100 %
		Reserve	0 %
		Grants	0 %
		Other Sources	0 %
		Debt	0 %
		Unfunded	0 %
COUNCIL GOALS			
Environment	Budget \$153,700		
Dependable Infrastructure	Actual \$66,084		
	Balance \$87,616		

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	115,700	25,000	100,000	0	0	0	0	125,000	0	240,700
In-House Professional Svcs.	38,000	12,000	47,000	0	0	0	0	59,000	0	97,000
Land Acquisition	0	131,000	0	0	0	0	0	131,000	0	131,000
Construction	0	0	525,000	0	0	0	0	525,000	0	525,000
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	153,700	168,000	672,000	0	0	0	0	840,000	0	993,700
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0077 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	GOAT HILL STORM DRAINAGE REPAIR
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>Little to none.</i>
Community economic impacts	<i>Would reduce the potential for property damage, loss of business and road closures due to localized flooding, channel migration/incision, and sedimentation of stormwater infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Would reduce flooding, sedimentation, channel migration/incision associated health, safety and the above community impacts.</i>
Responds to an urgent need or opportunity	<i>Helps to prevent flooding.</i>
Feasibility, including public support and project readiness	<i>Project is feasible and will require minimal permitting.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible flooding and drainage issues.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>Finn Hill, North Juanita</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0078 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	BILLY CREEK RAVINE STABILIZATION PHASE 2		
PROJECT LOCATION	87th Court NE	PROJECT START	PROJECT STATUS
		2014	Modified Project

DESCRIPTION/JUSTIFICATION			
Construct additional erosion control measures in an upper reach of Billy Creek that has experienced severe erosion from a failed drainage pipe. Phase I was constructed in winter of 2011/12 and completed to adjacent property where easement is required. Phase 2 will complete the original design as negotiations with property owner are completed.			

REASON FOR MODIFICATION (WHERE APPLICABLE)	
Total project cost changed from \$87,600 to \$317,600 based on new construction cost estimate due to significant scope change and permitting requirements resulting from preliminary design efforts begun in 2014; timing changed to be consistent with updated prioritization per the 2014 Surface Water Master Plan.	

POLICY BASIS	PRIOR YEAR(S) BUDGET TO ACTUALS	METHOD OF FINANCING (%)	
Surface Water Master Plan		Current Revenue	100 %
		Reserve	0 %
	Budget \$87,600	Grants	0 %
	Actual \$16,121	Other Sources	0 %
	Balance \$71,479	Debt	0 %
		Unfunded	0 %

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	18,300	31,000	28,000	0	0	0	0	59,000	0	77,300
In-House Professional Svcs.	9,600	12,000	13,000	0	0	0	0	25,000	0	34,600
Land Acquisition	5,000	0	8,900	0	0	0	0	8,900	0	13,900
Construction	54,700	0	137,100	0	0	0	0	137,100	0	191,800
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	87,600	43,000	187,000	0	0	0	0	230,000	0	317,600
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0078 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	BILLY CREEK RAVINE STABILIZATION PHASE 2
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>Little to none.</i>
Community economic impacts	<i>Would reduce the potential for property damage, loss of business and road closures due to localized flooding, channel migration/incision, and sedimentation of stormwater infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Would reduce flooding, sedimentation, channel migration/incision associated health, safety and the above community impacts.</i>
Responds to an urgent need or opportunity	<i>Helps to prevent flooding.</i>
Feasibility, including public support and project readiness	<i>Project is feasible and will require minimal permitting.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible flooding and drainage issues.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>Finn Hill, North Juanita</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0081 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	NEIGHBORHOOD DRAINAGE ASSISTANCE PROGRAM (NDA)		
PROJECT LOCATION	City-wide	PROJECT START	PROJECT STATUS
		Ongoing	Existing Project

DESCRIPTION/JUSTIFICATION			
Design and construct small-scale flooding solutions occurring outside the public right of way. Projects qualifying for assistance include those situations that are too small to rank highly in the regular Surface Water CIP, will benefit several homes or businesses while serving a general public benefit, and are primarily caused by the cumulative impacts of upstream development. Individual projects will be evaluated and those that qualify will be prioritized. Staff will produce a report each year summarizing the number, type and priority of problems that qualify for NDA fixes, and a list of NDA projects completed in the previous year.			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS	METHOD OF FINANCING (%)	
Surface Water Master Plan	Current Revenue	0 %
	Reserve (\$150,000)	100 %
	Grants	0 %
	Other Sources	0 %
	Debt	0 %
	Unfunded	0 %

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	0	8,000	0	8,000	0	8,000	0	24,000	0	24,000
In-House Professional Svcs.	0	4,000	0	4,000	0	4,000	0	12,000	0	12,000
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	38,000	0	38,000	0	38,000	0	114,000	0	114,000
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	0	50,000	0	50,000	0	50,000	0	150,000	0	150,000
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0081 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	NEIGHBORHOOD DRAINAGE ASSISTANCE PROGRAM (NDA)
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>Minimal</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>This project provides the opportunity to show the public what environmental improvements we are doing with our own projects.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. This project does not present significant engineering issues. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Continued degradation of surface water.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>City-wide</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input checked="" type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0084 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	MARKET STREET STORM MAIN REHABILITATION		
PROJECT LOCATION	Market Street from Central Way to 12th Avenue	PROJECT START	PROJECT STATUS
		2019	Modified Project

DESCRIPTION/JUSTIFICATION

Rehabilitate approximately 3,050 linear feet of failing 36-inch and 24-inch diameter concrete storm pipe (joint separated) within Market Street from Central Way to 12th Avenue. Rehabilitation will be accomplished via slipping the 1,200 feet of 36-inch diameter concrete pipe from Central Way to 6th Ave with 24-inch diameter pipe and the 1,850 feet of 24-inch diameter concrete pipe from 6th Ave to 12th Ave with 20-inch diameter pipe. The annular space between the pipe diameters will be grouted. The length of 36-inch diameter pipe includes six manholes that will be rehabilitated and nine laterals to be reconnected. The 24-inch diameter pipe also includes six manholes to be rehabilitated and nine laterals to be reconnected. The cost estimate was based on linear foot costs prepared by Buno Construction in 2009 and have been adjusted for 2013 costs. The project engineering/design and inspection cost estimate is lower as a percentage of construction costs than typical capital projects due to the performance specification aspect of sliplining projects.

REASON FOR MODIFICATION (WHERE APPLICABLE)

Moved from Unfunded consistent with updated prioritization per the 2014 Surface Water Master Plan; project costs changed from \$700,000 to \$920,000 due to updated cost estimate with start date in 2019.

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 100 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %
COUNCIL GOALS	
Environment	
Dependable Infrastructure	

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	0	0	0	0	0	34,000	103,000	137,000	0	137,000
In-House Professional Svcs.	0	0	0	0	0	16,000	48,000	64,000	0	64,000
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	174,000	545,000	719,000	0	719,000
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	224,000	696,000	920,000	0	920,000
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0084 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	MARKET STREET STORM MAIN REHABILITATION
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>Minimal</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>This project provides the opportunity to show the public what environmental improvements we are doing with our own projects.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. This project does not present significant engineering issues. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollutant Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Continued degradation of surface water.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>Market</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0086 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	99TH PLACE NE STORMWATER PIPE REPLACEMENT		
PROJECT LOCATION	99th Place NE, near NE 114th Street	PROJECT START	PROJECT STATUS
		2015	New Project

DESCRIPTION/JUSTIFICATION	
Replacement of the entire drainage system, including 150 feet of storm water pipe, attached curb inlets, and catch basin, manholes and other surface water infrastructure after a flooding incident displaced three families.	

REASON FOR MODIFICATION (WHERE APPLICABLE)	

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 1 %
	Reserve (\$388,000) 99 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %

CAPITAL COSTS	Prior Year(s)								2015-2020 TOTAL	Future Year(s)	Total Project
		2015	2016	2017	2018	2019	2020				
Planning/Design/Engineering	0	34,000	0	0	0	0	0	34,000	0	34,000	
In-House Professional Svcs.	0	6,000	0	0	0	0	0	6,000	0	6,000	
Land Acquisition	0	0	0	0	0	0	0	0	0	0	
Construction	0	350,000	0	0	0	0	0	350,000	0	350,000	
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0	
Equipment	0	0	0	0	0	0	0	0	0	0	
Other Services	0	0	0	0	0	0	0	0	0	0	
Total	0	390,000	0	0	0	0	0	390,000	0	390,000	
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0	
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0086 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	99TH PLACE NE STORMWATER PIPE REPLACEMENT
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction of this project, adjacent property owners and motorists will be impacted by construction equipment and possible traffic detours.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>Project was constructed under emergency purchase authority.</i>
Feasibility, including public support and project readiness	<i>Project was constructed under emergency purchase authority.</i>
Conforms to legal or contractual obligations	<i>Projects designed and constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollutant Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Project was constructed under emergency purchase authority.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>South Juanita</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0087 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	SILVER SPURS FLOOD REDUCTION		
PROJECT LOCATION	6139 130th Avenue NE	PROJECT START	PROJECT STATUS
		2017	New Project

DESCRIPTION/JUSTIFICATION

A phased approach to evaluate alternatives and design and construct the preferred alternative to reduce future flooding. The first phase of this project involves an alternatives analysis to determine the best solution to prevent future flooding. One potential alternative was already eliminated because of downstream capacity concerns. Other options include the following: A) Add more infiltration in right-of-way (ROW) or increase the size of the existing facility to maximum extent. Infiltration added in ROW shall be bioinfiltration swales, or equivalent. B) Utilize deep infiltration, such as a underground injection control (UIC) well, for high flow bypass. Deep infiltration shall be located in ROW, with a high flow bypass pipe leading from the dry well to the UIC well.

REASON FOR MODIFICATION (WHERE APPLICABLE)

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POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 100 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %
COUNCIL GOALS	
Environment	
Dependable Infrastructure	

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	0	0	0	11,000	0	0	0	11,000	0	11,000
In-House Professional Svcs.	0	0	0	5,000	0	0	0	5,000	0	5,000
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	54,000	0	0	0	54,000	0	54,000
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	70,000	0	0	0	70,000	0	70,000
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0087 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	SILVER SPURS FLOOD REDUCTION
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction of this project, adjacent property owners and motorists will be impacted by construction equipment and possible traffic detours.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>This project is identified as a high priority in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. This project does not present significant engineering issues. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollutant Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Continued degradation of surface water.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>South Rose Hill</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0088 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	COMFORT INN POND MODIFICATIONS		
PROJECT LOCATION	12204 NE 124th Street	PROJECT START	PROJECT STATUS
		2016	New Project

DESCRIPTION/JUSTIFICATION

This project was identified by the City in the 2014 Surface Water Master Plan list. Solutions for this CIP include rerouting runoff from the Cross Kirkland Corridor directly to Totem Lake. Pipe size will be 12-inch to match existing pipe sizes in the area. Other options listed below could provide addition benefits to reduce flooding. Project benefits include reducing flow to the wetland and flooding on Totem Lake Blvd. Reroute stormdrain at railroad to bypass pond/wetland, possibly connect with the stormwater feature at NE 124th St and totem Lake Blvd, then pipe to Totem Lake. Reduce contributing area to Comfort Inn pond/wetland from 24.75 acres to 16.45 acres.

REASON FOR MODIFICATION (WHERE APPLICABLE)

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 48 % Reserve 0 % Grants King County (\$337,000) 52 % Other Sources 0 % Debt 0 % Unfunded 0 %
COUNCIL GOALS	
Environment Dependable Infrastructure	

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	0	0	114,000	68,000	0	0	0	182,000	0	182,000
In-House Professional Svcs.	0	0	57,000	34,000	0	0	0	91,000	0	91,000
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	236,000	138,000	0	0	0	374,000	0	374,000
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	0	0	407,000	240,000	0	0	0	647,000	0	647,000
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0088 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	COMFORT INN POND MODIFICATIONS
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction of this project, adjacent property owners and motorists will be impacted by construction equipment and possible traffic detours.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>This project is identified as a high priority in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollutant Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>To be determined.</i>
Implications of deferring the project	<i>Continued degradation of surface water.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>Totem Lake</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0089 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	NE 142ND STREET SURFACE WATER DRAINAGE IMPROVEMENTS		
PROJECT LOCATION	NE 142nd Street and 77th Avenue NE	PROJECT START	PROJECT STATUS
		2017	New Project

DESCRIPTION/JUSTIFICATION	
<p>Local road and property flooding has occurred at the intersection of NE 142nd Street and 77th Ave NE in the vicinity of Inglewood Presbyterian Church. The cause of the flooding is not conclusive, and additional analyses and investigation is needed to develop a solution. Potential options include adding an inlet structure near the intersection, channel maintenance through the wetland, adding upstream detention or infiltration, and/or installing a high flow bypass. Additional options analysis and hydrologic and hydraulic modeling is necessary to develop a viable alternative.</p>	

REASON FOR MODIFICATION (WHERE APPLICABLE)	

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 100 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %

CAPITAL COSTS	Prior Year(s)								2015-2020 TOTAL	Future Year(s)	Total Project
		2015	2016	2017	2018	2019	2020				
Planning/Design/Engineering	0	0	0	24,000	0	0	0	24,000	0	24,000	
In-House Professional Svcs.	0	0	0	12,000	0	0	0	12,000	0	12,000	
Land Acquisition	0	0	0	0	0	0	0	0	0	0	
Construction	0	0	0	124,000	0	0	0	124,000	0	124,000	
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0	
Equipment	0	0	0	0	0	0	0	0	0	0	
Other Services	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	160,000	0	0	0	160,000	0	160,000	
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0	
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0089 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	NE 142ND STREET SURFACE WATER DRAINAGE IMPROVEMENTS
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction of this project, adjacent property owners and motorists will be impacted by construction equipment and possible traffic detours.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>This project is identified as a high priority in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. This project does not present significant engineering issues. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollutant Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>To be determined.</i>
Implications of deferring the project	<i>Continued degradation of surface water.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>Finn Hill</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0090 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	GOAT HILL DRAINAGE DITCH AND CHANNEL STABILIZATION		
PROJECT LOCATION	90th Avenue NE and NE 117th Place	PROJECT START	PROJECT STATUS
		2018	New Project

DESCRIPTION/JUSTIFICATION			
<p>Reconstruct ditch line along the west side of 90th Avenue NE and abandon a culvert crossing along 90th Avenue NE. Abandon a storm drainage channel and replace a catch basin and culvert crossing along NE 117th Place. Stabilize a drainage swale with rip-rap below the culvert crossing along NE 117th Place. Install catch basins and 12-inch storm drainage pipe along 90th Avenue NE and edge grind and overlay 500 feet of roadway with a thickened edge. Upsize a 12-inch culvert crossing to a 24-inch culvert along NE 117th Place.</p>			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 100 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %

CAPITAL COSTS	Prior Year(s)								2015-2020 TOTAL	Future Year(s)	Total Project
		2015	2016	2017	2018	2019	2020				
Planning/Design/Engineering	0	0	0	0	47,000	0	0	47,000	0	47,000	
In-House Professional Svcs.	0	0	0	0	22,000	0	0	22,000	0	22,000	
Land Acquisition	0	0	0	0	8,800	0	0	8,800	0	8,800	
Construction	0	0	0	0	242,200	0	0	242,200	0	242,200	
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0	
Equipment	0	0	0	0	0	0	0	0	0	0	
Other Services	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	320,000	0	0	320,000	0	320,000	
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0	
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0090 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	GOAT HILL DRAINAGE DITCH AND CHANNEL STABILIZATION
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction of this project, adjacent property owners and motorists will be impacted by construction equipment and possible traffic detours.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>This project is identified as a high priority in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollutant Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>To be determined.</i>
Implications of deferring the project	<i>Continued degradation of surface water.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>Finn Hill</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0091 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	HOLMES POINT DRIVE PIPE REPLACEMENT		
PROJECT LOCATION	11645 Holmes Point Drive NE north to lot between 11811 and 11833 Holmes Point Dr NE from GIS asset No. 27005 to asset No. 27010.	PROJECT START	PROJECT STATUS
		2015	New Project

DESCRIPTION/JUSTIFICATION			
Currently drainage from Holmes Point Drive NE and above runs through an undersized system at 11645 Holmes Point Drive. There are no easements for maintenance of this system. Additionally, upstream of Holmes Point Dr. NE, groundwater seepage and icing in cold weather occurs along Holmes Point Dr NE. Reroute drainage along Holmes Point Drive in a new pipe to connect to an existing outfall to Lake Washington.			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 100 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	0	24,000	39,000	30,000	0	0	0	93,000	0	93,000
In-House Professional Svcs.	0	16,000	18,000	14,000	0	0	0	48,000	0	48,000
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	203,400	155,600	0	0	0	359,000	0	359,000
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	0	40,000	260,400	199,600	0	0	0	500,000	0	500,000
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0091 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	HOLMES POINT DRIVE PIPE REPLACEMENT
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction of this project, adjacent property owners and motorists will be impacted by construction equipment and possible traffic detours.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>This project is occurring in coordination with a redevelopment action in the area.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollutant Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>To be determined.</i>
Implications of deferring the project	<i>Continued degradation of surface water.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>Finn Hill</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 20% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0092 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	JUANITA CREEK CULVERT		
PROJECT LOCATION	NE 137th Place near Juanita Woodinville Way NE	PROJECT START	PROJECT STATUS
		2017	New Project

DESCRIPTION/JUSTIFICATION			
Install 16 foot by 5.25 foot arch fish passable culvert. Culvert width based on Washington State Department of Fish & Wildlife (WDFW) stream simulation design of 1.25 foot by 11 foot bank full width rounded to the nearest foot. Create 50 feet of restored channel at the culvert inlet and outlet and restore staging areas and channel floodplain with planting and bio-engineered surface restoration.			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 100 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	0	0	0	21,000	77,000	0	0	98,000	0	98,000
In-House Professional Svcs.	0	0	0	10,000	36,000	0	0	46,000	0	46,000
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	109,600	406,400	0	0	516,000	0	516,000
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	140,600	519,400	0	0	660,000	0	660,000
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0092 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	JUANITA CREEK CULVERT
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction of this project, adjacent property owners and motorists will be impacted by construction equipment and possible traffic detours.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>This project is identified as a high priority in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollutant Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>To be determined.</i>
Implications of deferring the project	<i>Continued degradation of surface water.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>North Juanita</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0093 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	PLEASANT BAY APARTMENTS LINE REPLACEMENT		
PROJECT LOCATION	6750 Lake Washington Blvd NE	PROJECT START	PROJECT STATUS
		2017	New Project

DESCRIPTION/JUSTIFICATION			
Replace, pipe burst or chemical grout, pipe section on north side of property that is rootbound. Add 12-inch polyvinyl chloride (PVC) pipe from GIS asset No. 304416 and 303609 to Lake Washington Blvd NE.			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 100 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	0	0	0	16,000	31,000	0	0	47,000	0	47,000
In-House Professional Svcs.	0	0	0	8,000	14,000	0	0	22,000	0	22,000
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	82,900	158,100	0	0	241,000	0	241,000
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	106,900	203,100	0	0	310,000	0	310,000
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0093 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	PLEASANT BAY APARTMENTS LINE REPLACEMENT
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction of this project, adjacent property owners and motorists will be impacted by construction equipment and possible traffic detours.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>This project is identified as a high priority in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollutant Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>To be determined.</i>
Implications of deferring the project	<i>Continued degradation of surface water.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>Moss Bay, Lakeview</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0094 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	NE 114TH PLACE STORMLINE REPLACEMENT		
PROJECT LOCATION	NE 114th Place from 125th Ave NE to 126th Ave NE	PROJECT START	PROJECT STATUS
		2019	New Project

DESCRIPTION/JUSTIFICATION			
Replace existing stormline with 12-inch polyvinyl chloride (PVC) storm pipe along 125th Ave NE to 126th Ave NE.			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 100 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	0	0	0	0	0	39,000	0	39,000	0	39,000
In-House Professional Svcs.	0	0	0	0	0	18,000	0	18,000	0	18,000
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	203,000	0	203,000	0	203,000
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	260,000	0	260,000	0	260,000
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0094 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	NE 114TH PLACE STORMLINE REPLACEMENT
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction of this project, adjacent property owners and motorists will be impacted by construction equipment and possible traffic detours.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>This project is identified as a high priority in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollutant Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>To be determined.</i>
Implications of deferring the project	<i>Continued degradation of surface water.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>North Rose Hill</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0095 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	NE 141ST STREET STORMWATER PIPE INSTALLATION		
PROJECT LOCATION	NE 141st Street between 8631 and 8635 NE 141st Street, and continue east to approximately 8715 NE 141st Street	PROJECT START	PROJECT STATUS
		2018	New Project

DESCRIPTION/JUSTIFICATION	
Install approximately 550 feet of new 12-inch polyvinyl chloride (PVC) storm pipe.	

REASON FOR MODIFICATION (WHERE APPLICABLE)

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 100 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %

COUNCIL GOALS
Environment
Dependable Infrastructure

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	0	0	0	0	26,000	0	0	26,000	0	26,000
In-House Professional Svcs.	0	0	0	0	12,000	0	0	12,000	0	12,000
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	132,000	0	0	132,000	0	132,000
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	170,000	0	0	170,000	0	170,000
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0095 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	NE 141ST STREET STORMWATER PIPE INSTALLATION
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction of this project, adjacent property owners and motorists will be impacted by construction equipment and possible traffic detours.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>This project is identified as a high priority in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollutant Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>To be determined.</i>
Implications of deferring the project	<i>Continued degradation of surface water.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>Finn Hill</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0096 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	CKC EMERGENT PROJECTS SURFACE WATER OPPORTUNITY FUND		
PROJECT LOCATION	Cross Kirkland Corridor (CKC) at various locations	PROJECT START	PROJECT STATUS
		2016	New Project

DESCRIPTION/JUSTIFICATION			
A project in anticipation of surface water improvement needs and opportunities along the Cross Kirkland Corridor (CKC).			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 0 %
	Reserve (\$100,000) 100 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %

CAPITAL COSTS	Prior Year(s)								2015-2020 TOTAL	Future Year(s)	Total Project
		2015	2016	2017	2018	2019	2020				
Planning/Design/Engineering	0	0	20,000	0	0	0	0	20,000	0	20,000	
In-House Professional Svcs.	0	0	10,000	0	0	0	0	10,000	0	10,000	
Land Acquisition	0	0	0	0	0	0	0	0	0	0	
Construction	0	0	70,000	0	0	0	0	70,000	0	70,000	
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0	
Equipment	0	0	0	0	0	0	0	0	0	0	
Other Services	0	0	0	0	0	0	0	0	0	0	
Total	0	0	100,000	0	0	0	0	100,000	0	100,000	
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0	
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0096 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	CKC EMERGENT PROJECTS SURFACE WATER OPPORTUNITY FUND
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction of this project, adjacent property owners and motorists will be impacted by construction equipment and possible traffic detours.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>This project is identified as a high priority in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollutant Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>To be determined.</i>
Implications of deferring the project	<i>Continued degradation of surface water.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>City-wide</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0097 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	CHAMPAGNE CREEK STABILIZATION		
PROJECT LOCATION	Juanita Woodlands Open Space	PROJECT START	PROJECT STATUS
		2018	New Project

DESCRIPTION/JUSTIFICATION			
500 feet of roughened channel using a mixture of large boulders, cobbles, gravels, sand, and large wood.			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 100 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	0	0	0	0	51,000	66,000	0	117,000	0	117,000
In-House Professional Svcs.	0	0	0	0	24,000	31,000	0	55,000	0	55,000
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	264,500	343,500	0	608,000	0	608,000
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	339,500	440,500	0	780,000	0	780,000
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0097 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	CHAMPAGNE CREEK STABILIZATION
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction of this project, adjacent property owners and motorists will be impacted by construction equipment and possible traffic detours.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>This project is identified as a high priority in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollutant Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>To be determined.</i>
Implications of deferring the project	<i>Continued degradation of surface water.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>North Juanita, Finn Hill</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0098 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	CHAMPAGNE CREEK STORMWATER RETROFIT		
PROJECT LOCATION	80th Ave NE and NE 122nd Place	PROJECT START	PROJECT STATUS
		2018	New Project

DESCRIPTION/JUSTIFICATION			
Construct a 2,500 square feet rain garden at the intersection. Install a flow splitter structure at end of existing driveway culvert. High flows bypass the rain garden via the existing asphalt ditch.			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 100 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	0	0	0	0	18,000	0	0	18,000	0	18,000
In-House Professional Svcs.	0	0	0	0	9,000	0	0	9,000	0	9,000
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	93,000	0	0	93,000	0	93,000
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	120,000	0	0	120,000	0	120,000
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0098 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	CHAMPAGNE CREEK STORMWATER RETROFIT
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction of this project, adjacent property owners and motorists will be impacted by construction equipment and possible traffic detours.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>This project is identified as a high priority in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollutant Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>To be determined.</i>
Implications of deferring the project	<i>Continued degradation of surface water.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>Finn Hill</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0099 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	GOAT HILL DRAINAGE CONVEYANCE CAPACITY		
PROJECT LOCATION	Juanita Drive and NE 116th Place and NE 118th Place.	PROJECT START	PROJECT STATUS
		2019	New Project

DESCRIPTION/JUSTIFICATION			
Project includes the following improvements: replacement of 12-inch culvert along NE 118th Place; replacement of 8-inch storm drainage pipe with a 12-inch storm drainage pipe; Replacement of a 8-inch culvert with a 12-inch culvert along NE 166th Place; Replacement of Type 1 Catch basin along NE 116th Place; Replacement of 12-inch storm drainage pipe with 24-inch storm drainage pipe; and replacement of catch basins with storm drainage manholes.			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 100 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	0	0	0	0	0	39,000	55,000	94,000	0	94,000
In-House Professional Svcs.	0	0	0	0	0	18,000	26,000	44,000	0	44,000
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	202,200	289,800	492,000	0	492,000
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	259,200	370,800	630,000	0	630,000
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0099 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	GOAT HILL DRAINAGE CONVEYANCE CAPACITY
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction of this project, adjacent property owners and motorists will be impacted by construction equipment and possible traffic detours.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>This project is identified as a high priority in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollutant Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>To be determined.</i>
Implications of deferring the project	<i>Continued degradation of surface water.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>South Juanita, Finn Hill</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0100 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	BROOKHAVEN POND MODIFICATIONS		
PROJECT LOCATION	100th Ave NE and NE 128th Street	PROJECT START	PROJECT STATUS
		2019	New Project

DESCRIPTION/JUSTIFICATION			
<p>Converts pond to floodplain; Grade existing pond to provide storage. Establish plantings for habitat and to disperse flow as it enters the floodplain. Install bio-engineered floodplain structures (anchored as needed). Install Filterra systems along 100th Ave NE for water quality and to separate runoff from 100th Ave NE and NE 127th Place. NE 127th PI Drainage will discharge directly to Juanita Creek with no new Filterra units.</p>			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 100 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	0	0	0	0	0	45,000	47,000	92,000	0	92,000
In-House Professional Svcs.	0	0	0	0	0	21,000	22,000	43,000	0	43,000
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	235,900	244,600	480,500	0	480,500
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	301,900	313,600	615,500	0	615,500
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0100 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	BROOKHAVEN POND MODIFICATIONS
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction of this project, adjacent property owners and motorists will be impacted by construction equipment and possible traffic detours.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>This project is identified as a high priority in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollutant Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>To be determined.</i>
Implications of deferring the project	<i>Continued degradation of surface water.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>North Juanita</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 20% - 50% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0105 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	PROPERTY ACQUISITION OPPORTUNITY FUND		
PROJECT LOCATION	City-wide	PROJECT START	PROJECT STATUS
		Ongoing	New Project

DESCRIPTION/JUSTIFICATION			
An opportunity fund to acquire riparian and wetland properties in the City for improving surface water quality and run-off.			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 0 %
	Reserve (\$250,000) 100 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	0	0	0	0	0	0	0	0	0	0
In-House Professional Svcs.	0	0	0	0	0	0	0	0	0	0
Land Acquisition	0	0	50,000	50,000	50,000	50,000	50,000	250,000	0	250,000
Construction	0	0	0	0	0	0	0	0	0	0
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	0	0	50,000	50,000	50,000	50,000	50,000	250,000	0	250,000
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0105 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	PROPERTY ACQUISITION OPPORTUNITY FUND
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>N/A</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>An opportunity fund for purchasing property intended to benefit surface water pre-treatment and other water quality benefits.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Property acquisitions will follow all City, State and Federal requirements.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollutant Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>To be determined.</i>
Implications of deferring the project	<i>Possible flooding and drainage issues.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>City-wide</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0106 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	CKC SURFACE WATER DRAINAGE AT CRESTWOODS PARK PERMITTING STUDY		
PROJECT LOCATION	Cross Kirkland Corridor (CKC) near Crestwoods Park	PROJECT START	PROJECT STATUS
		2015	New Project

DESCRIPTION/JUSTIFICATION			
Perform site investigation, biological investigation, and permitting study in preparation for design of repair for a 24-inch reinforced concrete pipe culvert crossing the Cross Kirkland Corridor (CKC) and carrying an identified stream. Stream is an unnamed tributary to Forbes Creek.			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 100 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %

CAPITAL COSTS	Prior Year(s)								2015-2020 TOTAL	Future Year(s)	Total Project
		2015	2016	2017	2018	2019	2020				
Planning/Design/Engineering	0	25,000	0	0	0	0	0	25,000	0	25,000	
In-House Professional Svcs.	0	15,000	0	0	0	0	0	15,000	0	15,000	
Land Acquisition	0	0	0	0	0	0	0	0	0	0	
Construction	0	0	0	0	0	0	0	0	0	0	
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0	
Equipment	0	0	0	0	0	0	0	0	0	0	
Other Services	0	0	0	0	0	0	0	0	0	0	
Total	0	40,000	0	0	0	0	0	40,000	0	40,000	
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0	
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0106 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	CKC SURFACE WATER DRAINAGE AT CRESTWOODS PARK PERMITTING STUDY
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>None - a Study only</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>An end product for construction would serve to reduce flooding, sedimentation, channel migration/incision associated health, safety and the above community impacts.</i>
Responds to an urgent need or opportunity	<i>This project has been identified as a potential high priority based on recent field observations.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollutant Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>To be determined.</i>
Implications of deferring the project	<i>To be determined through the Study.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>Highlands</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0106 001
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	CKC SURFACE WATER DRAINAGE AT CRESTWOODS PARK DESIGN/CONSTRUCTION		
PROJECT LOCATION	Cross Kirkland Corridor (CKC) near Crestwoods Park	PROJECT START	PROJECT STATUS
		2016	New Project

DESCRIPTION/JUSTIFICATION			
Design and construct repair for 24-inch Reinforced Concrete Pipe culvert, crossing the Cross Kirkland Corridor (CKC) between NE 104th St and 111th Ave NE, and carrying an unnamed tributary to Forbes Creek. The existing pipe is too short and has caused undermining of the adjacent slopes and trail at the outfall. A fall of approximately 5 vertical feet currently exists from the outlet invert to the adjacent stream bed, leading to backsplash and slope failure observed.			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS	METHOD OF FINANCING (%)	
Surface Water Master Plan	Current Revenue	0 %
	Reserve (\$500,000)	50 %
	Grants TBD (\$500,000)	50 %
	Other Sources	0 %
	Debt	0 %
	Unfunded	0 %

COUNCIL GOALS
Environment
Dependable Infrastructure

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	0	0	45,000	104,000	0	0	0	149,000	0	149,000
In-House Professional Svcs.	0	0	21,000	49,000	0	0	0	70,000	0	70,000
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	234,000	547,000	0	0	0	781,000	0	781,000
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	0	0	300,000	700,000	0	0	0	1,000,000	0	1,000,000
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0106 001
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	CKC SURFACE WATER DRAINAGE AT CRESTWOODS PARK DESIGN/CONSTRUCTION
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction of this project, adjacent property owners and motorists will be impacted by construction equipment and possible traffic detours.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>This project has been identified as a potential high priority based on recent field observations.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollutant Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>May be coordinated with the 132nd Square Park.</i>
Implications of deferring the project	<i>Continued degradation of surface water.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>Totem Lake, Kingsgate</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input checked="" type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 8888 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	ANNUAL STREAMBANK STABILIZATION PROGRAM		
PROJECT LOCATION	City-wide	PROJECT START	PROJECT STATUS
		Ongoing	Modified Project

DESCRIPTION/JUSTIFICATION

Goals of the streambank stabilization program are to provide the public benefits of improved water quality and decreased flooding by stabilizing and restoring stream channels which may in many cases be located on private property. Most common stabilization methods will be upstream detention and in-stream stabilization/restoration using bioengineering techniques. Candidate projects under this Annual Program include: SD 0061 - Everest Park Stream Channel/Riparian Enhancements, SD 0045 - Carillon Woods Erosion Control Measures, SD 0062 - Street Flood Control Measures at Kirkland Post Office, SD 0056 - Forbes Creek Ponds Fish Passage/Riparian Plantings and SD 0052 - Forbes Creek/ Slater Ave Embankment Stabilization.

REASON FOR MODIFICATION (WHERE APPLICABLE)

Total project cost changed from \$1,342,900 to \$44,200, which reflects available remaining funds after funded projects have been identified.

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 100 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %
COUNCIL GOALS	
Environment	
Dependable Infrastructure	

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	0	7,000	0	0	0	0	0	7,000	0	7,000
In-House Professional Svcs.	0	4,000	0	0	0	0	0	4,000	0	4,000
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	33,200	0	0	0	0	0	33,200	0	33,200
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	0	44,200	0	0	0	0	0	44,200	0	44,200
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 8888 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	ANNUAL STREAMBANK STABILIZATION PROGRAM
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>Variable - most of the project will be located off City streets.</i>
Community economic impacts	<i>Would protect adjacent and downstream properties from erosion and/or flood damage.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Would improve water quality and reduce potential for flooding.</i>
Responds to an urgent need or opportunity	<i>Project on private property may in many cases provide more cost effective solutions to City-wide problems than solutions constructed entirely within City right of way.</i>
Feasibility, including public support and project readiness	<i>Most projects will require easements from private property owners, and will require Washington State Department of Fish & Wildlife and Corps of Engineers permits in addition to State Environmental Policy Act (SEPA) review.</i>
Conforms to legal or contractual obligations	<i>Will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>Consistent with the intent of the Puget Sound Water Quality Management Plan.</i>
Benefits to other capital projects	<i>Would protect and improve the effectiveness of publicly owned surface water infrastructure by reducing sedimentation and flooding.</i>
Implications of deferring the project	<i>Continued erosion that may cause sedimentation and flood damage.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>City-wide</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 9999 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	ANNUAL SURFACE WATER INFRASTRUCTURE REPLACEMENT PROGRAM		
PROJECT LOCATION	City-wide	PROJECT START	PROJECT STATUS
		Ongoing	Modified Project

DESCRIPTION/JUSTIFICATION			
Goals of the storm drain replacement program are to provide the public benefits of improved storm water conveyance. Individual projects will come from the prioritized list within the Surface Water Master Plan and through urgent maintenance needs as they may arise. Candidate projects under this Annual Program include: SD 0046 - Regional Detention in Forbes and Juanita Basins, SD 0050 - NE 95th St/126th Ave NE Flood Control Measures, SD 0054 - Forbes Creek/Cross Kirkland Corridor Fish Passage Improvements			

REASON FOR MODIFICATION (WHERE APPLICABLE)			
Total project cost changed from \$1,345,600 to \$44,200, which reflects available remaining funds after funded projects have been identified.			

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 100 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/Engineering	0	7,000	0	0	0	0	0	7,000	0	7,000
In-House Professional Svcs.	0	4,000	0	0	0	0	0	4,000	0	4,000
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	33,200	0	0	0	0	0	33,200	0	33,200
Comp. Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	0	44,200	0	0	0	0	0	44,200	0	44,200
NEW MAINT. AND OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 9999 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	ANNUAL SURFACE WATER INFRASTRUCTURE REPLACEMENT PROGRAM
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>Will be specific to each individual candidate project.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Failing surface water infrastructure could lead to roadway, stream bank or other property damage. This damage in turn could lead to a decreased community support level for City services and/or claims, accidents, or high cost failures.</i>
Responds to an urgent need or opportunity	<i>The projects arising out of this program will be identified through the priority list within the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>Projects are feasible and will require minimal permitting.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>To be determined.</i>
Implications of deferring the project	<i>Increased maintenance commitment, potential system collapse, sedimentation downstream of failed pipe.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>City-wide</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? <i>No</i> Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 20 - 50% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

Unfunded
Surface Water Management
Utility Projects



**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0045 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	CARILLON WOODS EROSION CONTROL MEASURES		
PROJECT LOCATION	Carillon Woods, NE 55th Street at 105th Avenue NE	PROJECT START	PROJECT STATUS
		Undetermined	Existing Project

DESCRIPTION/JUSTIFICATION

The new Carillon Woods (formerly the King County Water District #1 property) requires further evaluation and the possible establishment of erosion control measures to handle the re-direction of ground water into an established drainage basin situated on the west side of the property. This is a candidate project included as a component of the Annual Streambank Stabilization Program Project, SD 8888.

REASON FOR MODIFICATION (WHERE APPLICABLE)

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

COUNCIL GOALS
Environment
Dependable Infrastructure

CAPITAL COSTS	COSTS TO BE FUNDED
Planning/Design/Engineering	142,800
In-House Professional Svcs.	69,100
Land Acquisition	0
Construction	337,700
Comp. Hardware/Software	0
Equipment	0
Other Services	0
Total	549,600
NEW MAINT. AND OPER.	0
NEW FTE	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0045 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	CARILLON WOODS EROSION CONTROL MEASURES
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CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>None; project entirely within Park area that is currently off limits to the public.</i>
Community economic impacts	<i>Depending on solution will reduce maintenance costs.</i>
Health and safety, environmental, aesthetic, or social effects	<i>If allowed to go unchecked, existing spring water could lead to erosion and/or other environmental issues.</i>
Responds to an urgent need or opportunity	<i>N/A</i>
Feasibility, including public support and project readiness	<i>Design/solution is pending.</i>
Conforms to legal or contractual obligations	<i>Will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>None at this time.</i>
Implications of deferring the project	<i>Continued degradation of drainage system and potential loss of opportunities for retrofit of outdated systems.</i>
CONFORMANCE WITH ADOPTED COMPRE-HENSIVE PLAN	Name of Neighborhood(s) in which located: <i>Central Houghton</i> Is there a specific reference to this project or land use in the immediate <i>No</i> How does the project conform to such references? Attachments <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0046 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	REGIONAL DETENTION IN FORBES AND JUANITA CREEK BASINS		
PROJECT LOCATION	Various locations along Forbes and Juanita Creeks	PROJECT START	PROJECT STATUS
		Undetermined	Modified Project

DESCRIPTION/JUSTIFICATION			
<p>The establishment of in-line ponds within both Forbes and Juanita Creeks to provide for detention, sediment control and flood prevention in connection with both public construction and private development activities. Siting of these facilities will be dependent on development patterns and will require that staff monitor private and public development. This is a candidate project included as a component of the Annual Storm Drain Replacement Program Project, SD 9999.</p>			

REASON FOR MODIFICATION (WHERE APPLICABLE)	
Total project cost increased from \$2,810,200 to \$10,000,000 based on information provided within the 2014 Surface Water Master Plan.	

POLICY BASIS	METHOD OF FINANCING (%)	
Surface Water Master Plan	Current Revenue	0 %
	Reserve	0 %
	Grants	0 %
	Other Sources	0 %
	Debt	0 %
	Unfunded	100 %

CAPITAL COSTS	COSTS TO BE FUNDED
Planning/Design/Engineering	2,703,000
In-House Professional Svcs.	762,000
Land Acquisition	0
Construction	6,535,000
Comp. Hardware/Software	0
Equipment	0
Other Services	0
Total	10,000,000
NEW MAINT. AND OPER.	0
NEW FTE	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0046 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	REGIONAL DETENTION IN FORBES AND JUANITA CREEK BASINS
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CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>Depending on actual siting of facilities.</i>
Community economic impacts	<i>Detention will improve overall drainage system by reducing flooding, erosion and overall degradation of the system. Partnership opportunities will be available that could allow private development and public resources to coordinate and reduce overall cost to system improvements.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Depending on actual siting of facilities.</i>
Responds to an urgent need or opportunity	<i>Continued development and the reduction of open space limits and or eliminates the opportunity to reduce surface water flows. Current standards can only be incorporated during redevelopment and or new construction -- this project will allow implementation of community goals as outlined in the Surface Water Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>Depending on actual siting of facilities.</i>
Conforms to legal or contractual obligations	<i>Will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>Detention standards are mandated and enforced by the Department of Ecology along with other regulatory agencies; drainages into Lake Washington are critical in the overall efforts to enhance fish and environmental habitat.</i>
Benefits to other capital projects	<i>Depending on actual siting of facilities.</i>
Implications of deferring the project	<i>Continued degradation of drainage system and potential loss of opportunities for retrofit of outdated systems.</i>
CONFORMANCE WITH ADOPTED COMPRE-HENSIVE PLAN	Name of Neighborhood(s) in which located: <i>City-wide</i> Is there a specific reference to this project or land use in the immediate <i>No</i> How does the project conform to such references? Attachments <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: will be site dependent <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0050 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	NE 95TH STREET / 126TH AVENUE NE FLOOD CONTROL MEASURES		
PROJECT LOCATION	9400 block of 126th Ave NE	PROJECT START	PROJECT STATUS
		Undetermined	Existing Project

DESCRIPTION/JUSTIFICATION

Water in a tributary to Forbes Creek backs up under NE 95th Street during storm events causing minor flooding within the crawl space of a home located at 9432 126th Ave NE. The most cost-effective solution to alleviate the flooding is to construct a berm that extends along the low lying area adjacent to the affected property. The length of the berm must be long enough to ensure that water will not flow around it. This is a candidate project included as a component of the Annual Storm Drain Replacement Program Project, SD 9999.

REASON FOR MODIFICATION (WHERE APPLICABLE)

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POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

COUNCIL GOALS
Environment
Dependable Infrastructure

CAPITAL COSTS	COSTS TO BE FUNDED
Planning/Design/Engineering	21,300
In-House Professional Svcs.	6,000
Land Acquisition	0
Construction	28,600
Comp. Hardware/Software	0
Equipment	0
Other Services	0
Total	55,900
NEW MAINT. AND OPER.	0
NEW FTE	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0050 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	NE 95TH STREET / 126TH AVENUE NE FLOOD CONTROL MEASURES
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CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>This project will possibly require traffic detours and or delays during construction periods anticipated to last two to three weeks.</i>
Community economic impacts	<i>The improvements will allow City crews to reduce the required maintenance efforts.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Localized flooding and environmental degradation will continue if the sedimentation along this tributary to Forbes Creek is not addressed. Available fish habitat would be enhanced with the projects.</i>
Responds to an urgent need or opportunity	<i>This project is identified as a high priority in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development and community involvement process, the access and delivery needs of the neighbors will be addressed. This project does not present significant engineering issues. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>Environmental and habitat enhancement for fish including native cutthroat and other species is consistent with the Endangered Species Act.</i>
Benefits to other capital projects	<i>A number of projects have been identified in the Forbes Creek basin, this is one element of those improvements.</i>
Implications of deferring the project	<i>Continued localized flood events are possible.</i>
CONFORMANCE WITH ADOPTED COMPRE-HENSIVE PLAN	Name of Neighborhood(s) in which located: <i>North Rose Hill</i> Is there a specific reference to this project or land use in the immediate <i>No</i> How does the project conform to such references? Attachments <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: approximately 20-30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0051 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	FORBES CREEK / KING COUNTY METRO ACCESS ROAD CULVERT ENHANCEMENT		
PROJECT LOCATION	Adjacent to the 11100 block of Forbes Creek Drive at Forbes Creek	PROJECT START	PROJECT STATUS
		Undetermined	Modified Project

DESCRIPTION/JUSTIFICATION

An existing 12-foot-wide bottomless arch culvert conveys Forbes Creek under a King County sewer easement access road, approximately 145 yards upstream of Forbes Creek Drive and is in need of repair. The stream has eroding under the culvert footings, a hanging outfall at the downstream end of the culvert has created a fish blockage and the gabion walls on the upstream end of the culvert are collapsing. Corrective measures include the installation of log-boulder grade controls to promote channel aggradations up to and inside the culvert, placement of aggraded gravel to protect the eroding footings, repair to the gabion wall and stabilization of the adjacent streambanks.

REASON FOR MODIFICATION (WHERE APPLICABLE)

Moved from Funded consistent with updated prioritization per the 2014 Surface Water Master Plan.

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

CAPITAL COSTS	COSTS TO BE FUNDED
Planning/Design/Engineering	191,000
In-House Professional Svcs.	89,000
Land Acquisition	0
Construction	1,010,900
Comp. Hardware/Software	0
Equipment	0
Other Services	0
Total	1,290,900
NEW MAINT. AND OPER.	0
NEW FTE	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0051 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	FORBES CREEK / KING COUNTY METRO ACCESS ROAD CULVERT ENHANCEMENT
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CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>None. This project is located outside of the public right of way and is not adjacent to any private residents or commercial activity.</i>
Community economic impacts	<i>N/A</i>
Health and safety, environmental, aesthetic, or social effects	<i>Project will stabilize the existing footings that support an existing 12 foot culvert, improve fish passage, and stabilize the bank on the upstream end of the culvert that if unchecked could fail at a future date.</i>
Responds to an urgent need or opportunity	<i>This project is identified in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development and community involvement process, the access and delivery needs of the neighbors will be addressed. This project does not present significant engineering issues. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>Environmental and habitat enhancement for fish including native cutthroat and other species is consistent with the Endangered Species Act.</i>
Benefits to other capital projects	<i>A number of projects are identified in the Forbes Creek basin; this is one element of those improvements.</i>
Implications of deferring the project	<i>Possible erosion leading to failure of existing facilities; failure of King County Sewermain.</i>
CONFORMANCE WITH ADOPTED COMPRE-HENSIVE PLAN	Name of Neighborhood(s) in which located: <i>South Juanita</i> Is there a specific reference to this project or land use in the immediate <i>No</i> How does the project conform to such references? Attachments <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0052 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	FORBES CREEK / SLATER AVENUE EMBANKMENT STABILIZATION		
PROJECT LOCATION	Driveway crossing at 10041 Slater Ave NE	PROJECT START	PROJECT STATUS
		Undetermined	Existing Project

DESCRIPTION/JUSTIFICATION			
<p>Private stream crossing is deteriorating. Additional deterioration of culvert may result in fish passage impediment. Replacement crossing shall consist of a bottomless arch culvert. This project will reduce the risk of fish passage impediment and/or flooding caused by the current deteriorated crossing. This is a candidate project included as a component of the Annual Streambank Stabilization Program Project, SD 8888.</p>			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS		METHOD OF FINANCING (%)	
Surface Water Master Plan		Current Revenue	0 %
		Reserve	0 %
		Grants	0 %
		Other Sources	0 %
		Debt	0 %
		Unfunded	100 %

CAPITAL COSTS	COSTS TO BE FUNDED
Planning/Design/Engineering	36,300
In-House Professional Svcs.	17,600
Land Acquisition	0
Construction	85,800
Comp. Hardware/Software	0
Equipment	0
Other Services	0
Total	139,700
NEW MAINT. AND OPER.	0
NEW FTE	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0052 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	FORBES CREEK / SLATER AVENUE EMBANKMENT STABILIZATION
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CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>Driveway access to one private resident.</i>
Community economic impacts	<i>None anticipated</i>
Health and safety, environmental, aesthetic, or social effects	<i>Project will reduce the fish impediment along this stretch of Forbes Creek.</i>
Responds to an urgent need or opportunity	<i>This project is identified in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development and community involvement process, the access and delivery needs of the resident will be addressed. This project does not present significant engineering issues. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>Environmental and habitat enhancement for fish including native cutthroat and other species is consistent with the Endangered Species Act.</i>
Benefits to other capital projects	<i>A number of projects are identified in the Forbes Creek basin; this is one element of those improvements.</i>
Implications of deferring the project	<i>Erosion and flooding continue.</i>
CONFORMANCE WITH ADOPTED COMPRE-HENSIVE PLAN	Name of Neighborhood(s) in which located: <i>North Rose Hill</i> Is there a specific reference to this project or land use in the immediate <i>No</i> How does the project conform to such references? Attachments <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: approximately 30-50% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0053 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	FORBES CREEK / COORS POND CHANNEL GRADE CONTROLS		
PROJECT LOCATION	South side of Forbes Creek Drive between 115th Ct NE and 113th Ct NE	PROJECT START	PROJECT STATUS
		Undetermined	Modified Project

DESCRIPTION/JUSTIFICATION			
Existing structures in the stream have created barriers to fish passage while channel downcutting continues. Install grade control structures, cut down height of structures and install habitat structures. These improvements will raise the channel, improve the fish passage and improve the instream habitat.			

REASON FOR MODIFICATION (WHERE APPLICABLE)			
Moved from Funded consistent with updated prioritization per the 2014 Surface Water Master Plan.			

POLICY BASIS		METHOD OF FINANCING (%)	
Surface Water Master Plan		Current Revenue	0 %
		Reserve	0 %
		Grants	0 %
		Other Sources	0 %
		Debt	0 %
		Unfunded	100 %

CAPITAL COSTS	COSTS TO BE FUNDED
Planning/Design/Engineering	63,000
In-House Professional Svcs.	30,000
Land Acquisition	0
Construction	331,200
Comp. Hardware/Software	0
Equipment	0
Other Services	0
Total	424,200
NEW MAINT. AND OPER.	0
NEW FTE	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0053 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	FORBES CREEK / COORS POND CHANNEL GRADE CONTROLS
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CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>None; project is not on public right of way, nor near any existing buildings.</i>
Community economic impacts	<i>Reduces downstream sediment load and thus reduces need for City forces to conduct routine maintenance.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Would reduce flooding, sedimentation, channel migration/incision associated health, safety and the above community impacts.</i>
Responds to an urgent need or opportunity	<i>This project is identified in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development and community involvement process, the access and delivery needs of the neighbors will be addressed. This project does not present significant engineering issues. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>Environmental and habitat enhancement for fish including native cutthroat and other species is consistent with the Endangered Species Act.</i>
Benefits to other capital projects	<i>A number of projects are identified in the Forbes Creek basin; this is one element of those improvements.</i>
Implications of deferring the project	<i>Continued flooding, sedimentation, channel migration/incision, habitat degradation, reduction of downstream conveyance capacity, damage to downstream capital projects and possible violations of state and/or federal stormwater regulations.</i>
CONFORMANCE WITH ADOPTED COMPRE-HENSIVE PLAN	Name of Neighborhood(s) in which located: <i>South Juanita</i> Is there a specific reference to this project or land use in the immediate <i>No</i> How does the project conform to such references? Attachments <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0054 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	FORBES CREEK / CROSS KIRKLAND CORRIDOR FISH PASSAGE IMPROVEMENTS		
PROJECT LOCATION	Forbes Creek crossing under the Cross Kirkland Corridor behind the business located at 10830 117th Ave NE	PROJECT START	PROJECT STATUS
		Undetermined	Existing Project

DESCRIPTION/JUSTIFICATION			
<p>The grade of the existing culverts passing under a former railroad spur and under the Cross Kirkland Corridor tracks is too great creating an impediment to fish passage. Restore open channel under the former railroad spur and replace the culvert under Cross Kirkland Corridor track. This improvement will improve fish passage to upstream habitat and is a candidate project included as a component of the Annual Storm Drain Replacement Project, SD 9999.</p>			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS		METHOD OF FINANCING (%)	
Surface Water Master Plan		Current Revenue	0 %
		Reserve	0 %
COUNCIL GOALS		Grants	0 %
Environment		Other Sources	0 %
Dependable Infrastructure		Debt	0 %
		Unfunded	100 %

CAPITAL COSTS	COSTS TO BE FUNDED
Planning/Design/Engineering	110,200
In-House Professional Svcs.	53,300
Land Acquisition	0
Construction	260,700
Comp. Hardware/Software	0
Equipment	0
Other Services	0
Total	424,200
NEW MAINT. AND OPER.	0
NEW FTE	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0054 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	FORBES CREEK / CROSS KIRKLAND CORRIDOR FISH PASSAGE IMPROVEMENTS
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CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>Permitting and coordination will be required with the Cross Kirkland Corridor. No anticipated public impacts.</i>
Community economic impacts	<i>Would reduce the potential for property damage, localized flooding, channel migration/incision, and sedimentation of stormwater infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to Forbes Creek fish habitat are enhanced with these improvements.</i>
Responds to an urgent need or opportunity	<i>This project is identified in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development and community involvement process, the access and delivery needs of the neighbors will be addressed. This project does not present significant engineering issues. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>Environmental and habitat enhancement for fish including native cutthroat and other species is consistent with the Endangered Species Act.</i>
Benefits to other capital projects	<i>A number of projects are identified in the Forbes Creek basin; this is one element of those improvements.</i>
Implications of deferring the project	<i>Continued flooding, sedimentation, channel migration/incision, habitat degradation, reduction of downstream conveyance capacity, damage to downstream capital projects and possible violations of state and/or federal stormwater regulations.</i>
CONFORMANCE WITH ADOPTED COMPRE-HENSIVE PLAN	Name of Neighborhood(s) in which located: <i>South Juanita</i> Is there a specific reference to this project or land use in the immediate <i>No</i> How does the project conform to such references? Attachments <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: approximately 30-50% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0055 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	FORBES CREEK / 98TH AVENUE NE RIPARIAN PLANTINGS		
PROJECT LOCATION	Along Forbes Creek, upstream from the 98th Ave NE bridge	PROJECT START	PROJECT STATUS
		Undetermined	Existing Project

DESCRIPTION/JUSTIFICATION			
Riparian vegetation is lacking along Forbes Creek, upstream from the 98th Ave NE bridge. Plant trees and understory shrubs between the bridge and 550 feet upstream of the bridge. Planting will provide shading for the stream, which will reduce water temperature impacts.			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS		METHOD OF FINANCING (%)	
Surface Water Master Plan		Current Revenue	0 %
		Reserve	0 %
COUNCIL GOALS		Grants	0 %
Environment		Other Sources	0 %
Dependable Infrastructure		Debt	0 %
		Unfunded	100 %

CAPITAL COSTS	COSTS TO BE FUNDED
Planning/Design/Engineering	0
In-House Professional Svcs.	12,800
Land Acquisition	0
Construction	62,700
Comp. Hardware/Software	0
Equipment	0
Other Services	0
Total	75,500
NEW MAINT. AND OPER.	0
NEW FTE	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0055 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	FORBES CREEK / 98TH AVENUE NE RIPARIAN PLANTINGS
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CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>None.</i>
Community economic impacts	<i>Would reduce the potential for property damage, loss of business and road closures due to localized flooding, channel migration/incision, and sedimentation of stormwater infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Proposed riparian and channel enhancements would provide aquatic, terrestrial and avian habitat benefits as well as aesthetically pleasing community green/open space. The location of this project would provide the opportunity for public education relating to natural resources stewardship and stormwater quality.</i>
Responds to an urgent need or opportunity	<i>This project is identified in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development and community involvement process, the access and delivery needs of the neighbors will be addressed. This project does not present significant engineering issues. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>Environmental and habitat enhancement for fish including native cutthroat and other species is consistent with the Endangered Species Act.</i>
Benefits to other capital projects	<i>A number of projects are identified in the Forbes Creek basin; this is one element of those improvements.</i>
Implications of deferring the project	<i>Continued flooding, sedimentation, channel migration/incision, habitat degradation, reduction of downstream conveyance capacity, damage to downstream capital projects and possible violations of state and/or federal stormwater regulations.</i>
CONFORMANCE WITH ADOPTED COMPRE-HENSIVE PLAN	Name of Neighborhood(s) in which located: <i>South Juanita</i> Is there a specific reference to this project or land use in the immediate <i>No</i> How does the project conform to such references? Attachments <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0056 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	FORBES CREEK PONDS FISH PASSAGE / RIPARIAN PLANTINGS		
PROJECT LOCATION	Backyard of the private residence located at 12055 NE 100th St	PROJECT START	PROJECT STATUS
		Undetermined	Existing Project

DESCRIPTION/JUSTIFICATION			
<p>Area surrounding two in-line ponds is poorly vegetated, resulting in heating of standing water. Trash rack grate at pond outlet prevents fish passage. Remove or replace trash rack grate. Plant riparian vegetation in and around ponds. These improvements will reduce temperatures and improve fish passage in Forbes Creek. This is a candidate project included as a component of the Annual Streambank Stabilization Program Project, SD 8888.</p>			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS		METHOD OF FINANCING (%)	
Surface Water Master Plan		Current Revenue	0 %
		Reserve	0 %
COUNCIL GOALS		Grants	0 %
Environment		Other Sources	0 %
Dependable Infrastructure		Debt	0 %
		Unfunded	100 %

CAPITAL COSTS	COSTS TO BE FUNDED
Planning/Design/Engineering	55,300
In-House Professional Svcs.	26,800
Land Acquisition	0
Construction	130,900
Comp. Hardware/Software	0
Equipment	0
Other Services	0
Total	213,000
NEW MAINT. AND OPER.	0
NEW FTE	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0056 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	FORBES CREEK PONDS FISH PASSAGE / RIPARIAN PLANTINGS
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CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>None.</i>
Community economic impacts	<i>Would reduce the potential for property damage, loss of business and road closures due to localized flooding, channel migration/incision, and sedimentation of stormwater infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Would reduce flooding, sedimentation, channel migration/incision associated health, safety and the above community impacts. Proposed riparian and channel enhancements would provide aquatic, terrestrial and avian habitat benefits as well as aesthetically pleasing community green/open space. The location of this project would provide the opportunity for public education relating to natural resources stewardship and stormwater</i>
Responds to an urgent need or opportunity	<i>This project is identified in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development and community involvement process, the access and delivery needs of the neighbors will be addressed. This project does not present significant engineering issues. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>Environmental and habitat enhancement for fish including native cutthroat and other species is consistent with the Endangered Species Act.</i>
Benefits to other capital projects	<i>A number of projects are identified in the Forbes Creek basin; this is one element of those improvements.</i>
Implications of deferring the project	<i>Continued flooding, sedimentation, channel migration/incision, habitat degradation, reduction of downstream conveyance capacity, damage to downstream capital projects and possible violations of state and/or federal stormwater regulations.</i>
CONFORMANCE WITH ADOPTED COMPRE-HENSIVE PLAN	Name of Neighborhood(s) in which located: <i>South Juanita</i> Is there a specific reference to this project or land use in the immediate <i>No</i> How does the project conform to such references? Attachments <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0058 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	SURFACE WATER SEDIMENT POND RECLAMATION (PHASE II)		
PROJECT LOCATION	Southwest corner of the intersection of NE 128th St and 100th Ave NE	PROJECT START	PROJECT STATUS
		Undetermined	Modified Project

DESCRIPTION/JUSTIFICATION			
<p>Phase I of the Sediment Pond reclamation project took place in 2004/2005. Phase II will consider flood plain development as an alternative. Project may include additional planting along Juanita Creek. Review potential for converting pond into a flood plain, improve riparian understory vegetation. Plant trees and understory shrubs on City-owned parcel downstream of NE 128th Street. Planting will provide shading for the stream, which will reduce water temperature.</p>			

REASON FOR MODIFICATION (WHERE APPLICABLE)	
<p>Moved from Funded consistent with updated prioritization per the 2014 Surface Water Master Plan.</p>	

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

CAPITAL COSTS	COSTS TO BE FUNDED
Planning/Design/Engineering	126,000
In-House Professional Svcs.	59,000
Land Acquisition	0
Construction	666,000
Comp. Hardware/Software	0
Equipment	0
Other Services	0
Total	851,000
NEW MAINT. AND OPER.	0
NEW FTE	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0058 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	SURFACE WATER SEDIMENT POND RECLAMATION (PHASE II)
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CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>None; project is located within public easements off of the right of way.</i>
Community economic impacts	<i>Would reduce the potential for property damage, loss of business and road closures due to localized flooding, channel migration/incision, and sedimentation of stormwater infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Would reduce flooding, sedimentation, channel migration/incision associated health, safety and the above community impacts. Proposed riparian and channel enhancements would provide aquatic, terrestrial and avian habitat benefits as well as aesthetically pleasing community green/open space. The location of this project would provide the opportunity for public education relating to natural resources stewardship and stormwater</i>
Responds to an urgent need or opportunity	<i>This project is identified in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development and community involvement process, the access and delivery needs of the neighbors will be addressed. This project does not present significant engineering issues. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>Environmental and habitat enhancement for fish including native cutthroat and other species is consistent with the Endangered Species Act.</i>
Benefits to other capital projects	<i>A number of projects are identified in the Juanita Creek basin; this is one element of those improvements.</i>
Implications of deferring the project	<i>Continued flooding, sedimentation, channel migration/incision, habitat degradation, reduction of downstream conveyance capacity, damage to downstream capital projects and possible violations of state and/or federal stormwater regulations.</i>
CONFORMANCE WITH ADOPTED COMPRE-HENSIVE PLAN	Name of Neighborhood(s) in which located: <i>South Juanita</i> Is there a specific reference to this project or land use in the immediate <i>No</i> How does the project conform to such references? Attachments <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0061 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	EVEREST PARK STREAM CHANNEL / RIPARIAN ENHANCEMENTS		
PROJECT LOCATION	Everest Park, adjacent to 10th Street South	PROJECT START	PROJECT STATUS
		Undetermined	Existing Project

DESCRIPTION/JUSTIFICATION			
<p>Channel downcutting, unstable banks, poor quality riparian vegetation, and invasive vegetation will be minimized through the installation of 12 grade control log-boulder channel structures together with bioengineering methods employed to stabilize the streambanks. The blackberries are to be removed with trees and understory shrubs being planted along a 50-foot riparian planting zone for 1,000 feet of channel. This is a candidate project included as a component of the Annual Streambank Stabilization Program Project, SD 8888.</p>			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS		METHOD OF FINANCING (%)	
Surface Water Master Plan		Current Revenue	0 %
		Reserve	0 %
		Grants	0 %
		Other Sources	0 %
		Debt	0 %
		Unfunded	100 %

CAPITAL COSTS	COSTS TO BE FUNDED
Planning/Design/Engineering	284,600
In-House Professional Svcs.	137,700
Land Acquisition	0
Construction	673,200
Comp. Hardware/Software	0
Equipment	0
Other Services	0
Total	1,095,500
NEW MAINT. AND OPER.	0
NEW FTE	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0061 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	EVEREST PARK STREAM CHANNEL / RIPARIAN ENHANCEMENTS
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CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>Stretches of this stream are located within Everest Park and as such will require design/construction to avoid peak activity periods. Coordination with the Parks and Community Services schedule of events will be developed during the design process. A public pedestrian easement will be utilized for construction access and alternatives will need to be developed for pedestrians impacted by the construction activities.</i>
Community economic impacts	<i>Would reduce the potential for property damage, loss of business and road closures due to localized flooding, channel migration/incision, and sedimentation of stormwater infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Reduce flooding, sedimentation, channel migration/incision associated health, safety and the above community impacts. Proposed riparian/channel enhancements would provide aquatic/terrestrial/avian habitat benefits as well as aesthetically pleasing community green/open space. The location of this project would provide the opportunity for public education relating to natural resources stewardship and stormwater quality.</i>
Responds to an urgent need or opportunity	<i>This project is identified in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development and community involvement process, the access and delivery needs of the neighbors will be addressed. This project does not present significant engineering issues. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>Environmental and habitat enhancement for fish including native cutthroat and other species is consistent with the Endangered Species Act.</i>
Benefits to other capital projects	<i>None at this time.</i>
Implications of deferring the project	<i>Continued flooding, sedimentation, channel migration/incision, habitat degradation, reduction of downstream conveyance capacity, damage to downstream capital projects and possible violations of state and/or federal stormwater regulations.</i>
CONFORMANCE WITH ADOPTED COMPRE-HENSIVE PLAN	Name of Neighborhood(s) in which located: <i>Everest</i> Is there a specific reference to this project or land use in the immediate <i>No</i> How does the project conform to such references? Attachments <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0062 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	STREAM FLOOD CONTROL MEASURES AT KIRKLAND POST OFFICE		
PROJECT LOCATION	Post Office Creek, adjacent to the Post Office parking lot near 10th Street at 5th Avenue	PROJECT START	PROJECT STATUS
		Undetermined	Existing Project

DESCRIPTION/JUSTIFICATION			
<p>Flooding of business park property along Post Office Creek, above the Kirkland Post Office property, has occurred due to heavy weed/grass growth in the channel, a 90-degree channel turn and an undersized culvert. The channel also has poorly vegetated banks and requires ongoing dredging. This project will improve or remove the culvert under the Post Office property fence, improve riparian vegetation along the reach upstream of the culvert, remove blackberries and weeds, and replant native vegetation in an effort to reduce the frequency and magnitude of flooding, and eliminate the need for future dredging. This is a candidate project included as a component of the Annual Streambank Stabilization Program Project, SD 8888.</p>			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS		METHOD OF FINANCING (%)	
Surface Water Master Plan		Current Revenue	0 %
		Reserve	0 %
		Grants	0 %
		Other Sources	0 %
		Debt	0 %
		Unfunded	100 %

CAPITAL COSTS	COSTS TO BE FUNDED
Planning/Design/Engineering	89,700
In-House Professional Svcs.	43,400
Land Acquisition	0
Construction	212,300
Comp. Hardware/Software	0
Equipment	0
Other Services	0
Total	345,400
NEW MAINT. AND OPER.	0
NEW FTE	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0062 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	STREAM FLOOD CONTROL MEASURES AT KIRKLAND POST OFFICE
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CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>This creek runs adjacent to a public pedestrian pathway that would necessitate closure during construction that is anticipated to last approximately three to four weeks; alternate routes are located nearby.</i>
Community economic impacts	<i>Would reduce the potential for property damage, loss of business and road closures due to localized flooding, channel migration/incision, and sedimentation of stormwater infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Localized flooding/environmental degradation will continue if the sedimentation along this stretch of unnamed creek is not addressed. Proposed riparian/channel enhancements would provide aquatic/terrestrial/avian habitat benefits and aesthetically pleasing community green/open space. The location of this project would provide the opportunity for public education relating to natural resources stewardship and stormwater quality.</i>
Responds to an urgent need or opportunity	<i>This project is identified in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development and community involvement process, the access and delivery needs of the neighbors will be addressed. This project does not present significant engineering issues. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>Environmental and habitat enhancement for fish including native cutthroat and other species is consistent with the Endangered Species Act.</i>
Benefits to other capital projects	<i>None identified.</i>
Implications of deferring the project	<i>Continued flooding, sedimentation, channel migration/incision, habitat degradation, reduction of downstream conveyance capacity, damage to downstream capital projects and possible violations of state and/or federal stormwater regulations.</i>
CONFORMANCE WITH ADOPTED COMPRE-HENSIVE PLAN	Name of Neighborhood(s) in which located: <i>Moss Bay</i> Is there a specific reference to this project or land use in the immediate <i>No</i> How does the project conform to such references? Attachments <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0068 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	128TH AVE NE/NE 60TH STREET TO NE 64TH STREET DRAINAGE IMPROVEMENTS		
PROJECT LOCATION	128th Avenue NE between NE 60th and NE 64th Streets	PROJECT START	PROJECT STATUS
		Undetermined	Existing Project

DESCRIPTION/JUSTIFICATION			
<p>Flooding of several homes occurs during large storm events due to a nearby drainage system that has deadends. This project will modify the system to either drain to the north, or to store and infiltrate water to reduce flooding.</p>			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS		METHOD OF FINANCING (%)	
Surface Water Master Plan		Current Revenue	0 %
		Reserve	0 %
		Grants	0 %
		Other Sources	0 %
		Debt	0 %
		Unfunded	100 %

CAPITAL COSTS	COSTS TO BE FUNDED
Planning/Design/Engineering	70,200
In-House Professional Svcs.	34,000
Land Acquisition	0
Construction	166,100
Comp. Hardware/Software	0
Equipment	0
Other Services	0
Total	270,300
NEW MAINT. AND OPER.	0
NEW FTE	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0068 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	128TH AVE NE/NE 60TH STREET TO NE 64TH STREET DRAINAGE IMPROVEMENTS
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CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>Little to none. Project is adjacent to City right of way on a low-traffic street</i>
Community economic impacts	<i>Little to none.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Project will prevent flooding of homes. Project may use low impact development features, which are aesthetically pleasing and which encourage infiltration of stormwater.</i>
Responds to an urgent need or opportunity	<i>Flooding occurs during large storm events, so urgency of project deepens on weather patterns.</i>
Feasibility, including public support and project readiness	<i>Project is feasible. City will need to work with neighbors to develop a project that meets aesthetic as well as flood-reduction needs.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>Not applicable</i>
Benefits to other capital projects	<i>None identified.</i>
Implications of deferring the project	<i>Flooding will continue to occur at the same frequency and magnitude.</i>
CONFORMANCE WITH ADOPTED COMPRE-HENSIVE PLAN	Name of Neighborhood(s) in which located: <i>Bridle Trails</i> Is there a specific reference to this project or land use in the immediate <i>No</i> How does the project conform to such references? <i>Not applicable</i> Attachments <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input checked="" type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0070 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	JUANITA CREEK WATERSHED ENHANCEMENT STUDY		
PROJECT LOCATION	Juanita Creek Watershed	PROJECT START	PROJECT STATUS
		Undetermined	Existing Project

DESCRIPTION/JUSTIFICATION

This project is to identify opportunities for habitat restoration, especially in partnership with private parties that have an interest in constructed bank stabilization projects, and to review projects that are in proximity to each other to facilitate State and Federal permitting.

REASON FOR MODIFICATION (WHERE APPLICABLE)

POLICY BASIS	METHOD OF FINANCING (%)
Surface Water Master Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

COUNCIL GOALS
Environment
Dependable Infrastructure

CAPITAL COSTS	COSTS TO BE FUNDED
Planning/Design/Engineering	35,000
In-House Professional Svcs.	15,000
Land Acquisition	0
Construction	0
Comp. Hardware/Software	0
Equipment	0
Other Services	0
Total	50,000
NEW MAINT. AND OPER.	0
NEW FTE	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0070 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	JUANITA CREEK WATERSHED ENHANCEMENT STUDY
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CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>None.</i>
Community economic impacts	<i>May identify projects where public habitat restoration funds can be leveraged through partnerships with private land owners</i>
Health and safety, environmental, aesthetic, or social effects	<i>Would identify projects to improve fish habitat and water quality.</i>
Responds to an urgent need or opportunity	<i>Many land owners along Juanita Creek experienced bank erosion during the December 2007 storm, and are interested in pursuing stabilization projects.</i>
Feasibility, including public support and project readiness	<i>Project is a study. Public support would be one criteria used in prioritizing projects identified through the study.</i>
Conforms to legal or contractual obligations	<i>Addresses fish habitat restoration, which is a City obligation under the Water Resource Inventory Area (WRIA) 8 Chinook Salmon Conservation Plan as adopted by the City Council.</i>
Responds to state and/or federal mandate	<i>Project is consistent with State and Federal mandates to protect and restore fish habitat.</i>
Benefits to other capital projects	<i>Project will unify an approach and goals for projects, leveraging City funds through grants. Project will coordinate with Juanita Basin Retrofitting Ecology grant project being conducted in partnership with King County and Washington State Department of Transportation (WSDOT).</i>
Implications of deferring the project	<i>Project list will be more fractured, and opportunities for partnering with private land owners may be lost.</i>
CONFORMANCE WITH ADOPTED COMPRE-HENSIVE PLAN	Name of Neighborhood(s) in which located: <i>South Juanita, North Juanita</i> Is there a specific reference to this project or land use in the immediate <i>No</i> How does the project conform to such references? <i>No</i> Attachments <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input checked="" type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0074 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	NE 86TH STEET STREAMBANK STABILIZATION		
PROJECT LOCATION	NE 86th Street east of 128th Avenue NE, and NE 86th and NE 87th Street, west of 128th Avenue NE	PROJECT START	PROJECT STATUS
		Undetermined	Existing Project

DESCRIPTION/JUSTIFICATION			
<p>Two small unnamed tributaries to Forbes Creek flow north from NE 86th Street at approximately 126th and 128th Avenues NE. In their current condition, these unstable channels are eroding and the material is clogging downstream drainage systems, leading to flooding. Stabilization using bioengineering techniques will reduce the frequency and severity of flooding and will improve water quality. Project will occur over approximately 500 feet of stream on private property.</p>			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS		METHOD OF FINANCING (%)	
Surface Water Master Plan		Current Revenue	0 %
		Reserve	0 %
		Grants	0 %
		Other Sources	0 %
		Debt	0 %
		Unfunded	100 %

CAPITAL COSTS	COSTS TO BE FUNDED
Planning/Design/Engineering	149,400
In-House Professional Svcs.	64,000
Land Acquisition	0
Construction	426,800
Comp. Hardware/Software	0
Equipment	0
Other Services	0
Total	640,200
NEW MAINT. AND OPER.	0
NEW FTE	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0074 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	NE 86TH STEET STREAMBANK STABILIZATION
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CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction of this project, adjacent property owners and motorists will be impacted by construction equipment and possible traffic detours.</i>
Community economic impacts	<i>Would reduce the potential for property damage, loss of business and road closures due to localized flooding, channel migration/incision, and sedimentation of stormwater infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Would reduce flooding, sedimentation, channel migration/incision associated health, safety and the above community impacts.</i>
Responds to an urgent need or opportunity	<i>This project is identified in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development and community involvement process, the access and delivery needs of the neighbors will be addressed. This project does not present significant engineering issues. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Will be designed and constructed per professional and legal standards and guidelines.</i>
Responds to state and/or federal mandate	<i>Environmental and habitat enhancement for fish including native cutthroat and other species is consistent with the Endangered Species Act.</i>
Benefits to other capital projects	<i>None at this time.</i>
Implications of deferring the project	<i>Continued flooding, sedimentation, channel migration/incision, habitat degradation, reduction of downstream conveyance capacity, damage to downstream capital projects and possible violations of state and/or federal stormwater regulations.</i>
CONFORMANCE WITH ADOPTED COMPRE-HENSIVE PLAN	Name of Neighborhood(s) in which located: <i>North Rose Hill</i> Is there a specific reference to this project or land use in the immediate <i>No</i> How does the project conform to such references? Attachments <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0085 001
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	CROSS KIRKLAND CORRIDOR WATER QUALITY RETROFIT		
PROJECT LOCATION	9 Intersections along the Cross Kirkland Corridor (CKC) alignment	PROJECT START	PROJECT STATUS
		Undetermined	New Project

DESCRIPTION/JUSTIFICATION			
Construction of runoff treatment facilities for existing pollution generating surfaces at nine intersections of the Cross Kirkland Corridor trail.			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS		METHOD OF FINANCING (%)	
Surface Water Master Plan		Current Revenue	0 %
		Reserve	0 %
COUNCIL GOALS		Grants	0 %
Environment		Other Sources	0 %
Dependable Infrastructure		Debt	0 %
		Unfunded	100 %

CAPITAL COSTS	COSTS TO BE FUNDED
Planning/Design/Engineering	136,000
In-House Professional Svcs.	64,000
Land Acquisition	0
Construction	720,000
Comp. Hardware/Software	0
Equipment	0
Other Services	0
Total	920,000
NEW MAINT. AND OPER.	0
NEW FTE	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0085 001
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	CROSS KIRKLAND CORRIDOR WATER QUALITY RETROFIT
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CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>Renovation of the facility will impact the surrounding neighborhood. Construction will take less than one year and will potentially cause traffic impacts.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>This project provides the opportunity to show the public what environmental improvements we are doing with City projects.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. This project does not present significant engineering issues. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Projects will be constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollution Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>To be determined.</i>
Implications of deferring the project	<i>Continued degradation of surface water.</i>
CONFORMANCE WITH ADOPTED COMPRE-HENSIVE PLAN	Name of Neighborhood(s) in which located: <i>City-wide</i> Is there a specific reference to this project or land use in the immediate <i>No</i> How does the project conform to such references? Attachments <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0107 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	132ND SQUARE PARK SURFACE WATER RETROFIT FACILITY		
PROJECT LOCATION	132nd Square Park Retrofit Facility	PROJECT START	PROJECT STATUS
		Undetermined	New Project

DESCRIPTION/JUSTIFICATION			
<p>The 132nd Square Park Retrofit Facility will provide water quality treatment, flow control and infiltration for approximately 48.5 acres of single-family residential and right-of-way area in the northeast corner of the Totem Lake Basin. This project will implement one of the two projects identified in the Totem Lake/Juanita Creek Basin Stormwater Retrofit Conceptual Design (Ecology Grant G1400024) which conducted planning and design work for capital and non-capital stormwater retrofit projects.</p>			

REASON FOR MODIFICATION (WHERE APPLICABLE)			

POLICY BASIS		METHOD OF FINANCING (%)	
Surface Water Master Plan		Current Revenue	0 %
		Reserve	0 %
		Grants	0 %
		Other Sources	0 %
		Debt	0 %
		Unfunded	100 %

CAPITAL COSTS	COSTS TO BE FUNDED
Planning/Design/Engineering	440,000
In-House Professional Svcs.	281,000
Land Acquisition	0
Construction	3,789,000
Comp. Hardware/Software	0
Equipment	0
Other Services	0
Total	4,510,000
NEW MAINT. AND OPER.	0
NEW FTE	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2015 TO 2020**

PROJECT #	SD 0107 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	132ND SQUARE PARK SURFACE WATER RETROFIT FACILITY
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CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction of this project, adjacent property owners and motorists will be impacted by construction equipment and possible traffic detours.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>This project has been identified as a high priority one based the size of the upgradient drainage basin and the anticipated environmental benefit gained.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollutant Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>Project may be implemented in in conjunction with the 132nd Square Park Renovation Project.</i>
Implications of deferring the project	<i>Continued degradation of surface water quality within the basin.</i>
CONFORMANCE WITH ADOPTED COMPRE-HENSIVE PLAN	Name of Neighborhood(s) in which located: Is there a specific reference to this project or land use in the immediate How does the project conform to such references? Attachments <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.