

CAPITAL IMROVEMENT PROJECT (CIP) REQUEST - FY23 FORM A - DESIGN & CONSTRUCTION

Project Title:	Poplar Street Pump Station Project - Pump House & Facilities - TOTAL IGMPs 1 & 2						
Project Address:		10 Poplar Street					
Department:	IAM - Engineering						
Project Mgr.:	Jonathan Smith	Email:	jsmith@somervillema.gov				
ew Project or Modification:	Modification to Existing Project						
on outro out Dui ouites	Eirct						
epartment Priority:	Necessary First						
	priority from your point of view. If you propose for	ur projects, rank them 1, 2, 3, 4, with	1 being the highest, and so forth.				
roject Description/Scope			ce (IGMP) work packages under the CM@R				
procurement method; IGMI main, site borings, and site includes Consultant and Ov	P 1 consists of support of excavation, storr preparation. IGMP 2 consists of the remai	mwater storage tank, soil excav nder of pump house constructi nistration services and CM@Ris	ration and disposal, pump house equipment, force on and influent screening equipment. Project sk services for construction including managemen				
ustification: The Pump Station will serv	e as a restoration of a century-old drainag	re nathway for the greater Unio	n Square area, taking advantage of excess capacity				
in the GLX drainage system		WRA system to a stormwater st	torage tank and 50MGD pump array designed to				
Lelationship to Other Proje	ects:						
		aration project and future syste	em improvements, allowing for diversion of				
_			rts the longer term Brickbottom Vision Planning,				
serving as a community hu	b and transit-oriented public space.						
Category: Please check al	rchitectural/Engineering Feasibility Study rchitectural/Engineering Construction Docum ailding Alteration/Repair/Renovation/Additional ailding Improvements (non-construction) archase of Equipment (incl. vehicles, office equipment of Technology Systems/Platforms (e.g. reet/Sidewalk/Monument Improvements ater Improvements	on/New Construction uipment, hardware, etc.)					
Operational Impact:							
<u>^</u>	_	_	ment of catch basin grit, as well as serve as a nerve				
center for stormwater man	agement through system monitoring equi	pment and infrastructure conti	ols.				
T T T	What impact will this project have on operate Reduce Cost (greater than 5%) leduce Cost (less than 5%) ost Unchanged acrease Cost (less than 5%) acrease Cost (greater than 5%)	tional costs?					

	Total Estimated Cost	Prior Years Funding	FY 23	FY 24	FY 25	FY26	FY 27
Capital Costs:							
Feasibility Study		\$	- \$	- \$	-	\$	- \$
Land Acquisition/Appraisal	\$ -	- \$	- \$	- \$	-	\$	- \$
Environmental Remediation/LSP	\$ -	\$	- \$	- \$	-	\$	- \$
Demolition & Site Clearance	\$ -	- \$	- \$	- \$	-	\$	- \$
Owner's Proj. Mgr./Clerk of the Works	\$ -	\$	- \$	- \$	-	\$	- \$
Designer Services (Design Phase)	\$ 5,499,250	\$	906,250 \$	3,242,188 \$	1,350,812	\$	- \$
Designer Services (ESDC)	\$ -	\$	- \$	- \$	-	\$	- \$
Construction	\$ 86,486,141	- \$	27,467,483 \$	47,345,593 \$	11,673,065	\$	- \$
Insurance (builder's risk, addtl. Polices)	\$ -	- \$	- \$	- \$	-	\$	- \$
Furniture & Equipment (FFE)	\$ -	\$	- \$	- \$	-	\$	- \$
Police Details	\$ 1,113,942	- \$	186,540 \$	564,597 \$	362,805	\$	- \$
Contingency	\$ 8,733,486	\$	2,746,748 \$	4,744,768 \$	1,241,970	\$	- \$
Other (Specify) Soft Cost Contingency	\$ -	- \$	- \$	- \$	-	\$	- \$
Other (Specify)	\$ -	- \$	- \$	- \$	-	\$	- \$
Total:	\$ 101,832,819	\$ - \$	31,307,021 \$	55,897,146 \$	14,628,652	\$	- \$

Prior funding phases have been authorized through fund numbers 6411 (\$2,100,000, design) and 6420 (\$3,300,000, preconstruction services). \$2,500,000 federal omnibus grant awarded through the EPA \$10,000,000 ARPA funding allocated for FY24

$\overline{}$				-

Please provide suggested so	urces. Thi	s secti	on will be finaliz	ed jointly by Fir	nan	ce and the Depa	rtm	ent.				
Funding Sources:				Prior Years Funding		FY 23		FY 24	FY 25	FY26		FY 27
Stabilization Fund		\$	-		\$	-	\$	-	\$ -	\$ -	9	δ -
GO Bonds - GF		\$	-	-							9	β -
GO Bonds - Sewer		\$	89,332,819	-	\$	31,307,021	\$	43,397,146	\$ 14,628,652	\$ -	9	β -
GO Bonds - Water					\$	-	\$	-	\$ -	\$ -	9	β -
Retained Earnings		\$	-		\$	-	\$	-	\$ -	\$ -	9	β -
General Fund		\$	-		\$	-	\$	-	\$ -	\$ -	9	β -
Special Assmnt.		\$	-	-	\$	-	\$	-	\$ -	\$ -	9	β -
Ch. 90		\$	-		\$	-	\$	-	\$ -	\$ -	9	β -
Grants (Federal EPA Award)		\$	2,500,000	-	\$	-	\$	2,500,000	\$ -	\$ -	9	β -
ARPA		\$	10,000,000		\$	-	\$	10,000,000	\$ -	\$ -	9	β -
Other - existing GF Bonds		\$	-		\$	-	\$	-	\$ -	\$ -	9	5 -
Other - existing Sewer Bonds		\$	-		\$	-	\$	-	\$ -	\$ -	9	5 -
Other - existing Water Bonds		\$	-		\$	-	\$	-	\$ -	\$ -	5	<u>}</u> -
	Total:	\$	101,832,819	\$ -	\$	31,307,021	\$	55,897,146	\$ 14,628,652	\$ -	5	5

valuation Committee Use Only:									
Reviewed and Approved By:	_	Version							
Requesting Department	Date	Draft							
Auditing	Date	Revised							
Purchasing	Date	Accepted							
	Final Approval								



CAPITAL IMROVEMENT PROJECT (CIP) REQUEST - FY23 FORM A - DESIGN & CONSTRUCTION

roject Title:	Poplar Stree	et Pump Station Project - Pump Ho	ouse & Facilities - IGMP 1
roject Address:		10 Poplar Street	
epartment:	IAM - Engineering		
roject Mgr.:	Jonathan Smith	Email:	jsmith@somervillema.gov
ew Project or Modification:	Modification to Existing Project		
epartment Priority:	Necessary		
Rank your project(s) in order of	priority from your point of view. If you propose	four projects, rank them 1, 2, 3, 4, with 1	being the highest, and so forth.
roject Description/Scope	of Work:		
,	* *		GMP) work packages under the CM@R ation and disposal, pump house equipment, force
stification:			
			n Square area, taking advantage of excess capacit
		-	orage tank and 50MGD pump array designed to
optimize the flood-reduction	on and I/I offset benefits of the GLX conr	nection.	
elationship to Other Proje			
_			m improvements, allowing for diversion of
A	*	opment at 10 Poplar Street suppor	ts the longer term Brickbottom Vision Planning,
serving as a community hu	b and transit-oriented public space.		
	ilding Alteration/Repair/Renovation/Add ilding Improvements (non-construction) rchase of Equipment (incl. vehicles, office formation Technology Systems/Platforms	lition/New Construction equipment, hardware, etc.)	
Operational Impact:			
•	ciated facilities will improve the Water agement through system monitoring eq	,	ment of catch basin grit, as well as serve as a nervols.
	What impact will this project have on ope	erational costs?	
	educe Cost (greater than 5%) cduce Cost (less than 5%) st Unchanged crease Cost (less than 5%) crease Cost (greater than 5%) crease Cost (greater than 5%)		

	Total Esti	imated Cost	Prior Years Funding	FY 23	FY 24	FY 25	FY26	FY 27
apital Costs:								
Feasibility Study	.							
Land Acquisition/Appraisal	\$	-	-	-	-		-	-
Environmental Remediation/LSP Demolition & Site Clearance	\$	-						
Owner's Proj. Mgr./Clerk of the Works	\$	_	-	-	-		-	-
Designer Services (Design Phase)	\$	2,535,938		906,250	1,629,688			
Designer Services (ESDC)	\$	-		700,230	1,027,000			
Construction	\$	61,661,238	_	27,467,483	34,193,755			
Insurance (builder's risk, addtl. Polices)	\$	-	_	, ,				
Furniture & Equipment (FFE)	\$	-						
Police Details	\$	388,182	-	186,540	201,642			
Contingency	\$	6,166,123		2,746,748	3,419,375			
Other (Specify) Soft Cost Contingency	\$	-	-					-
Other (Specify)	\$	-	-	-	-		-	-
Total: rior funding phases have been authori		0,751,481 Fund numbers		31,307,021 \$, design) and 6420 (\$3	39,444,460 \$ 3,300,000, preconstr	uction service	- \$	- \$
Total: rior funding phases have been authorively lease provide suggested sources. T	zed through f	fund numbers	6411 (\$2,100,000 ed jointly by Fina	, design) and 6420 (\$3	3,300,000, preconstr	uction service		- \$
rior funding phases have been authori	zed through f	fund numbers	6411 (\$2,100,000 ed jointly by Finar Prior Years	, design) and 6420 (\$3	3,300,000, preconstr	uction service		- \$ FY 27
rior funding phases have been authori lease provide suggested sources. T unding Sources:	zed through f	fund numbers	6411 (\$2,100,000 ed jointly by Fina	, design) and 6420 (\$3	3,300,000, preconstr		rs).	
rior funding phases have been authorical lease provide suggested sources. Tunding Sources: tabilization Fund O Bonds - GF	zed through f	fund numbers vill be finalize -	6411 (\$2,100,000 ed jointly by Finar Prior Years	, design) and 6420 (\$3 nce and the Departm FY 23	3,300,000, preconstr nent. FY 24		rs).	
rior funding phases have been authorical release provide suggested sources. The unding Sources: tabilization Fund O Bonds - GF O Bonds - Sewer	zed through f	fund numbers	6411 (\$2,100,000 ed jointly by Finan Prior Years	, design) and 6420 (\$3	3,300,000, preconstr		rs).	
rior funding phases have been authorical lease provide suggested sources. Tunding Sources: tabilization Fund O Bonds - GF O Bonds - Sewer O Bonds - Water	zed through f	fund numbers vill be finalize -	6411 (\$2,100,000 ed jointly by Finan Prior Years	, design) and 6420 (\$3 nce and the Departm FY 23	3,300,000, preconstr nent. FY 24		rs).	
rior funding phases have been authorical lease provide suggested sources. Tunding Sources: tabilization Fund O Bonds - GF O Bonds - Sewer O Bonds - Water etained Earnings	zed through f	fund numbers vill be finalize -	6411 (\$2,100,000 ed jointly by Finan Prior Years	, design) and 6420 (\$3 nce and the Departm FY 23	3,300,000, preconstr nent. FY 24		rs).	
rior funding phases have been authorical lease provide suggested sources. Tunding Sources: tabilization Fund O Bonds - GF O Bonds - Sewer O Bonds - Water etained Earnings eneral Fund	zed through f	fund numbers vill be finalize -	6411 (\$2,100,000 ed jointly by Finan Prior Years	, design) and 6420 (\$3 nce and the Departm FY 23	3,300,000, preconstr nent. FY 24		rs).	
rior funding phases have been authorical lease provide suggested sources. Tunding Sources: tabilization Fund O Bonds - GF O Bonds - Sewer O Bonds - Water etained Earnings eneral Fund pecial Assmnt.	zed through f	fund numbers vill be finalize -	6411 (\$2,100,000 ed jointly by Finan Prior Years	, design) and 6420 (\$3 nce and the Departm FY 23	3,300,000, preconstr nent. FY 24		rs).	
lease provide suggested sources. Tunding Sources: tabilization Fund O Bonds - GF O Bonds - Sewer O Bonds - Water etained Earnings eneral Fund pecial Assmnt. h. 90	zed through f	rill be finalize	6411 (\$2,100,000 ed jointly by Finan Prior Years	, design) and 6420 (\$3 nce and the Departm FY 23	3,300,000, preconstrated. FY 24 36,944,460		rs).	
rior funding phases have been authorical lease provide suggested sources. Tunding Sources: tabilization Fund O Bonds - GF O Bonds - Sewer O Bonds - Water etained Earnings eneral Fund pecial Assmnt. h. 90 rants	zed through f	fund numbers vill be finalize -	6411 (\$2,100,000 ed jointly by Finan Prior Years	, design) and 6420 (\$3 nce and the Departm FY 23	3,300,000, preconstr nent. FY 24		rs).	
lease provide suggested sources. Tunding Sources: Tabilization Fund O Bonds - GF O Bonds - Sewer O Bonds - Water etained Earnings eneral Fund pecial Assmnt. h. 90 rants RPA	zed through f	rill be finalize	6411 (\$2,100,000 ed jointly by Finan Prior Years	, design) and 6420 (\$3 nce and the Departm FY 23	3,300,000, preconstrated. FY 24 36,944,460		rs).	
rior funding phases have been authorical lease provide suggested sources. Tunding Sources: tabilization Fund O Bonds - GF O Bonds - Sewer O Bonds - Water etained Earnings eneral Fund	zed through f	rill be finalize	6411 (\$2,100,000 ed jointly by Finan Prior Years	, design) and 6420 (\$3 nce and the Departm FY 23	3,300,000, preconstrated. FY 24 36,944,460		rs).	
lease provide suggested sources. Tunding Sources: tabilization Fund O Bonds - GF O Bonds - Sewer O Bonds - Water etained Earnings eneral Fund pecial Assmnt. h. 90 rants RPA ther - existing GF Bonds	zed through f	rill be finalize	6411 (\$2,100,000 ed jointly by Finan Prior Years	, design) and 6420 (\$3 nce and the Departm FY 23	3,300,000, preconstrated. FY 24 36,944,460		rs).	

Evaluation Committee Use Onl	y:				
Reviewed and Approved By:				Version	
Requesting Department		Date		Draft	
Auditing		Date		Revised	
Purchasing		Date		Accepted	
		Final Approval			



CAPITAL IMROVEMENT PROJECT (CIP) REQUEST - FY23 FORM A - DESIGN & CONSTRUCTION

roject Title:	Poplar Stree	t Pump Station Project - Pump H	ouse & Facilities - IGMP 2						
roject Address:	10 Poplar Street								
epartment:	IAM - Engineering								
roject Mgr.:	Jonathan Smith	Email:	jsmith@somervillema.gov						
ew Project or Modification:	Modification to Existing Project								
epartment Priority:	Necessary								
Rank your project(s) in order of	priority from your point of view. If you propose j	four projects, rank them 1, 2, 3, 4, with	1 being the highest, and so forth.						
roject Description/Scope	of Work:								
procurement method. IGMI and Owners Project Manag	P 2 consists of the remainder of pump ho	ouse construction and influent so and CM@Risk services for const	2 (IGMP) work packages under the CM@R reening equipment. Project includes Consultant ruction including management of subcontractors,						
ıstification:									
The Pump Station will serv in the GLX drainage system	_	MWRA system to a stormwater s	n Square area, taking advantage of excess capacit torage tank and 50MGD pump array designed to						
elationship to Other Proje	ects:								
stormwater flows to the pr	l appropriate boxes rchitectural/Engineering Feasibility Study rchitectural/Engineering Construction Docu ailding Alteration/Repair/Renovation/Addi ailding Improvements (non-construction) archase of Equipment (incl. vehicles, office eformation Technology Systems/Platforms (reet/Sidewalk/Monument Improvements atter Improvements	ment at 10 Poplar Street suppo ment Services & Construction Admin tion/New Construction equipment, hardware, etc.)	em improvements, allowing for diversion of rts the longer term Brickbottom Vision Planning,						
	ewer Improvements and Development and Acquisition and Disposition arks and Open Space ther								
Operational Impact:									
^	•	2	ment of catch basin grit, as well as serve as a nerv						
center for stormwater man	agement through system monitoring eq	uipinent and infrastructure cont	UIS.						
	What impact will this project have on oper Reduce Cost (greater than 5%) leduce Cost (less than 5%) ost Unchanged ncrease Cost (less than 5%) ncrease Cost (greater than 5%)	rational costs?							

Feasibility Study Land Acquisition/Appraisal Environmental Remediation/LSP Demolition & Site Clearance Owner's Proj. Mgr./Clerk of the Works	\$ -	Funding		FY 24	FY 25	FY26	FY 27
Land Acquisition/Appraisal Environmental Remediation/LSP Demolition & Site Clearance	\$ -						
Environmental Remediation/LSP Demolition & Site Clearance	\$ -						
Demolition & Site Clearance		-		-	-		-
<u> </u>	\$ -						
Owner's Proj. Mgr./Clerk of the Works	\$ -	-		-	-		-
	\$ -			4 640 500	4.050.040		
Designer Services (Design Phase)	\$ 2,963,312			1,612,500	1,350,812		
Designer Services (ESDC)	\$ - \$ 24.034.003			12.151.020	11 (72 0(5		
Construction	\$ 24,824,903	-		13,151,838	11,673,065		
Insurance (builder's risk, addtl. Polices)	\$ - \$ -	-					
Furniture & Equipment (FFE) Police Details	\$ 725,760			362,955	362,805		
Contingency	\$ 2,567,363	-		1,325,393	1,241,970		
Other (Specify) Soft Cost Contingency	\$ 2,307,303			1,323,393	1,241,970		_
Other (Specify)	\$ -	_		_	_		_
other (specify)	Ψ						
Total:	\$ 31,081,338	\$ - \$		- \$ 16,452,686 \$	14,628,652	\$	- \$
lease provide suggested sources. This		ad jaintly by Fina					
-	s section will be finalize	Prior Years	_		FY 25	FY26	– FY 27
unding Sources:	s section will be finalize		nce and the Dep	FY 24	FY 25	FY26	FY 27
Funding Sources: Etabilization Fund	\$ -	Prior Years	_		FY 25	FY26	– FY 27
Funding Sources: Stabilization Fund GO Bonds - GF	\$ - \$ -	Prior Years	_	FY 24		FY26	– FY 27
Funding Sources: Stabilization Fund GO Bonds - GF GO Bonds - Sewer	\$ -	Prior Years	_		FY 25 14,628,652	FY26	– FY 27
Funding Sources: Stabilization Fund GO Bonds - GF GO Bonds - Sewer GO Bonds - Water	\$ - \$ -	Prior Years	_	FY 24		FY26	FY 27
Funding Sources: Stabilization Fund GO Bonds - GF GO Bonds - Sewer GO Bonds - Water Retained Earnings	\$ - \$ -	Prior Years	_	FY 24		FY26	FY 27
Funding Sources: Stabilization Fund GO Bonds - GF GO Bonds - Sewer GO Bonds - Water Retained Earnings General Fund	\$ - \$ -	Prior Years	_	FY 24		FY26	FY 27
Funding Sources: Stabilization Fund GO Bonds - GF GO Bonds - Sewer GO Bonds - Water Retained Earnings General Fund Special Assmnt.	\$ - \$ -	Prior Years	_	FY 24		FY26	FY 27
Funding Sources: Stabilization Fund GO Bonds - GF GO Bonds - Sewer GO Bonds - Water Retained Earnings General Fund Special Assmnt. Ch. 90	\$ - \$ -	Prior Years	_	FY 24		FY26	- FY 27
Funding Sources: Stabilization Fund GO Bonds - GF GO Bonds - Sewer GO Bonds - Water Retained Earnings General Fund Special Assmnt. Ch. 90 Grants	\$ - \$ -	Prior Years	_	FY 24		FY26	FY 27
Funding Sources: Stabilization Fund GO Bonds - GF GO Bonds - Sewer GO Bonds - Water Retained Earnings General Fund Special Assmnt. Ch. 90 Grants ARPA	\$ - \$ 21,081,338 \$ - \$ - \$ - \$ -	Prior Years	_	FY 24 - 6,452,686		FY26	- FY 27
Funding Sources: Stabilization Fund GO Bonds - GF GO Bonds - Sewer GO Bonds - Water	\$ - \$ 21,081,338 \$ - \$ - \$ - \$ -	Prior Years	_	FY 24 - 6,452,686		FY26	FY 27
Funding Sources: Stabilization Fund GO Bonds - GF GO Bonds - Sewer GO Bonds - Water Retained Earnings General Fund Special Assmnt. Ch. 90 Grants ARPA Other - existing GF Bonds	\$ - \$ 21,081,338 \$ - \$ - \$ - \$ -	Prior Years	_	FY 24 - 6,452,686		FY26	FY 27

Evaluation Committee Use Only:									
Reviewed and Approved By:		Version							
Requesting Department	Date	Draft							
Auditing	Date	Revised							
Purchasing	Date	Accepted							
Final Approval									