

TABLE 2
DRAFT 2017 CIP Budget

	B	C	I	N	O	R	S	U	V	W	X	Y	Z
4			Original MSD Proposed		CIP Status								
5	Project ID	Projects by Program	TOTAL PDE	TOTAL CONSTRUCTION	MSD's Aug. 15, 2016 Requested Funding	Current County Monitor Recommended Funding as of Nov. 18, 2016	County Monitor Recommendation Y=Yes C=Conditional N=No R=Removed by MSD	County Monitor Comments November 2016	Total PDE and Allowances if Approved in CIP	(Conditional) Total PDE and Allowances if Approved in CIP	Total Construction if Approved in CIP	(Conditional) Total Construction if Approved in CIP	Total
6		TOTAL ALL PROJECTS	\$ 16,517,500	\$ 175,491,276	\$ 202,008,776	\$ 304,544,508	100.00%		\$ 3,804,500	\$ 24,144,200	\$ 161,863,735	\$ 104,732,073	\$ 294,544,508
7		TOTAL WWIP PROJECTS	\$ 8,654,600	\$ 89,145,971	\$ 97,800,571	\$ 210,047,626	68.97%		\$ 3,804,500	\$ 7,287,100	\$ 148,713,353	\$ 50,242,673	\$ 210,047,626
8		WWIP PROJECTS	\$ 2,037,100	\$ 70,329,159	\$ 72,366,259	\$ 185,828,726	61.02%		\$ -	\$ 4,037,100	\$ 144,848,953	\$ 36,942,673	\$ 185,828,726
9	10131220	Glenview Pump Station Upgrade	\$ -	\$ 578,700	\$ 578,700	\$ 578,700	C	MSD proposed a design pumping rate capacity of 645 gpm and the BoCC authorized legislation for that on Feb. 27, 2013. MSD's current design pumping rate is 570 gpm. 1. MSD shall provide documentation supporting that 570 gpm is able to fully serve potential development of the pump station's existing service area, or supporting documentation indicating the facility is designed to easily accommodate future changes to enable a design pumping rate of 645 gpm (i.e. change out the pumps).	\$ -	\$ -	\$ -	\$ 578,700	\$ 578,700
10	10141080	Ludlow and Lafayette Parallel Sewer	\$ -	\$ 3,373,100	\$ 3,373,100	\$ 2,759,100	C	1. Assure project complies with the Stormwater Separation Rule Section 2407. 2. MSD notes the revised construction estimate is lower, from \$2,892,100 to \$2,278,100. This reduces the project by \$614,000.	\$ -	\$ -	\$ -	\$ 2,759,100	\$ 2,759,100
11	10170080	SSO 1000 Elimination	\$ -	\$ 925,800	\$ 925,800	\$ 925,800	Y		\$ -	\$ -	\$ 925,800	\$ -	\$ 925,800
12	10170100	SSO 228 Elimination	\$ -	\$ 2,113,986	\$ 2,113,986	\$ 2,113,986	Y		\$ -	\$ -	\$ 2,113,986	\$ -	\$ 2,113,986
13	10170176	Stanley Ave Lateral Relocaions	\$ -	\$ 155,400	\$ 155,400	\$ 155,400	Y		\$ -	\$ -	\$ 155,400	\$ -	\$ 155,400

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14	101####	Duck Creek Integrated Watershed Action Plan	\$ -	\$ -	\$ -	\$ 1,000,000	C	<p>Based upon review of the Upper Duck projects, the following issues exist:</p> <ol style="list-style-type: none"> 1. Model is not calibrated and validated in conformance with MSD Rule 2409. 2. Resulting Water Quality benefits and compliance with the Post Construction Monitoring (PCM) Plan and Consent Decree Water Quality requirements haven't been determined. 3. Baseline Water Quality in waterways is not sufficiently documented. 4. Projects selected are roughly \$45M over the WWIP budget. <p>For these reasons, an Integrated Watershed Action Plan (IWAP) of appropriate scope and scale is needed to address these issues. The existing information developed will be utilized, but if the issues above are not addressed, future projects may be required to address them.</p> <p>MSD to provide new project ID, fact sheet and scope of work consistent with the SSO 700 IWAP. Funds to be released following County review and approval of scope.</p>	\$ -	\$ 1,000,000	\$ -	\$ -	\$ 1,000,000	
15	101####	Muddy Creek Integrated Watershed Action Plan	\$ -	\$ -	\$ -	\$ 1,000,000	C	<p>Based upon review of the Muddy Creek projects, the following issues exist:</p> <ol style="list-style-type: none"> 1. MSD agrees the model is not calibrated and validated in conformance with MSD Rule 2409. 2. Resulting Water Quality (WQ) benefits and compliance with the Post Construction Monitoring (PCM) Plan and Consent Decree WQ requirements haven't been determined. 3. Baseline WQ in waterways is not sufficiently documented. 4. Muddy Creek watershed has a significant water-in-basement (WIB) problem which the IWAP will help to address. 5. WIBs do not appear to be sufficiently addressed with the WWIP projects MSD has identified. <p>For these reasons, an Integrated Watershed Action Plan (IWAP) of appropriate scope and scale is needed to address these issues. The existing information developed will be utilized, but if the issues above are not addressed, future projects may be required to address them.</p> <p>MSD to provide new project ID, fact sheet and scope of work consistent with the SSO 700 IWAP. Funds to be released following County review and approval of scope.</p>	\$ -	\$ 1,000,000	\$ -	\$ -	\$ 1,000,000	

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16	10171580	CSO 54 Improvements	\$ -	\$ 232,700	\$ 232,700	\$ 232,700	Y		\$ -	\$ -	\$ 232,700	\$ -	\$ 232,700	
17	10171740	CSO 551 Sewer Separation	\$ 274,600	\$ 1,419,100	\$ 1,693,700	\$ 1,693,700	C	Assure project complies with the Stormwater Separation Rule Section 2407.	\$ -	\$ 274,600	\$ -	\$ 1,419,100	\$ 1,693,700	
18	10240018	CSO 125 Stream Separation	\$ -	\$ 10,569,600	\$ 10,569,600	\$ 10,569,600	Y		\$ -	\$ -	\$ 10,569,600	\$ -	\$ 10,569,600	
19	10240021	CSO 217 483 Source Control Phase C	\$ 64,200	\$ 4,899,140	\$ 4,963,340	\$ 4,963,340	C	These conditions are applicable to all phases of the CSO 217/483 Source Control projects: 1. Calibrate and validate the hydraulic model to Rule Section 2409. 2. Assess downstream impacts to overflows along Mill Creek interceptors. 3. Assess impacts on downstream existing water-in-basement structures and whether any new water-in-basements are created. 4. Provide BCE for storage tank size and type. 5. Assure Regulators have no issue with storage tank size that is being decreased from 1.5MG to 0.5MG. 6. Consider the 2 CSO's as one project and evaluate their interrelationships between CSO 217 and CSO 483.	\$ -	\$ 64,200	\$ -	\$ 4,899,140	\$ 4,963,340	
20	11142745	CSO 488 Strategic Sewer Separation Phase A	\$ 1,615,800	\$ -	\$ 1,615,800	\$ 1,615,800	C	1. Assure project complies with the Stormwater Separation Rule Section 2407. 2. ODOT coordination details need to be better understood. 3. Potential changes with MSD's Section 303 Stormwater Management Rules and how that effects the current project understanding needs to be better understood before any right-of-way is acquired (currently, \$500,000 is being requested for right-of-way with this project). 4. A meeting should be held between the County and MSD to discuss the issues and obtain County approval.	\$ -	\$ 1,615,800	\$ -	\$ -	\$ 1,615,800	
21	11143260	CSO 211 75 Reconstruction Coordination	\$ -	\$ 2,988,600	\$ 2,988,600	\$ 2,988,600	Y		\$ -	\$ -	\$ 2,988,600	\$ -	\$ 2,988,600	
22	11240000	Lick Run Valley Conveyance System	\$ -	\$ -	\$ -	\$ 112,076,467	Y	MSD to add this project to 2017 CIP, since it will not be legislated in 2016.	\$ -	\$ -	\$ 112,076,467	\$ -	\$ 112,076,467	
23	11240020	CSO 181 Real Time Control	\$ 21,400	\$ 3,552,000	\$ 3,573,400	\$ 3,573,400	C	1. Calibrate and validate hydraulic model to Rule Section 2409. 2. Provide sufficient supporting data detail for the projected CSO volume reduction of 104 MG/typ. year.	\$ -	\$ 21,400	\$ -	\$ 3,552,000	\$ 3,573,400	
24	11240110	Quebec Rd Sewer Separation	\$ -	\$ 6,726,900	\$ 6,726,900	\$ 6,726,900	Y		\$ -	\$ -	\$ 6,726,900	\$ -	\$ 6,726,900	
25	11240130	Queen City Ave Sewer Separation Phase 2	\$ -	\$ 9,059,500	\$ 9,059,500	\$ 9,059,500	Y		\$ -	\$ -	\$ 9,059,500	\$ -	\$ 9,059,500	

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26	11243140	CSO 217 483 Source Control Phase A	\$ -	\$ 3,873,333	\$ 3,873,333	\$ 3,873,333	C	These conditions are applicable to all phases of the CSO 217/483 Source Control projects: 1. Calibrate and validate the hydraulic model to Rule Section 2409. 2. Assess downstream impacts to overflows along Mill Creek interceptors. 3. Assess impacts on downstream existing water-in-basement structures and whether any new water-in-basements are created. 4. Provide BCE for storage tank size and type. 5. Assure Regulators have no issue with storage tank size that is being decreased from 1.5MG to 0.5MG. 6. Consider the 2 CSO's as one project and evaluate their interrelationships between CSO 217 and CSO 483.	\$ -	\$ -	\$ -	\$ 3,873,333	\$ 3,873,333	
27	11243141	CSO 217 483 Source Control Phase B	\$ 61,100	\$ 12,578,300	\$ 12,639,400	\$ 12,639,400	C	These conditions are applicable to all phases of the CSO 217/483 Source Control projects: 1. Calibrate and validate the hydraulic model to Rule Section 2409. 2. Assess downstream impacts to overflows along Mill Creek interceptors. 3. Assess impacts on downstream existing water-in-basement structures and whether any new water-in-basements are created. 4. Provide BCE for storage tank size and type. 5. Assure Regulators have no issue with storage tank size that is being decreased from 1.5MG to 0.5MG. 6. Consider the 2 CSO's as one project and evaluate their interrelationships between CSO 217 and CSO 483.	\$ -	\$ 61,100	\$ -	\$ 12,578,300	\$ 12,639,400	
28	11243142	CSO 217 483 Source Control Phase A2	\$ -	\$ 7,283,000	\$ 7,283,000	\$ 7,283,000	C	These conditions are applicable to all phases of the CSO 217/483 Source Control projects: 1. Calibrate and validate the hydraulic model to Rule Section 2409. 2. Assess downstream impacts to overflows along Mill Creek interceptors. 3. Assess impacts on downstream existing water-in-basement structures and whether any new water-in-basements are created. 4. Provide BCE for storage tank size and type. 5. Assure Regulators have no issue with storage tank size that is being decreased from 1.5MG to 0.5MG. 6. Consider the 2 CSO's as one project and evaluate their interrelationships between CSO 217 and CSO 483.	\$ -	\$ -	\$ -	\$ 7,283,000	\$ 7,283,000	
29		WWIP ALLOWANCES	\$ 6,490,000	\$ 13,300,000	\$ 19,790,000	\$ 20,240,000	6.65%		\$ 3,690,000	\$ 3,250,000	\$ -	\$ 13,300,000	\$ 20,240,000	

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30	10180117	Main Sewer Renewal Program 2017	\$ -	\$ 12,000,000	\$ 12,000,000	\$ 12,000,000	C	1. Before funding is released, MSD is to identify the contract proposed funding period and provide that to the County by Dec. 1, 2016. 2. How much of the 2016 budget will be spent in 2016? Billings submitted to MSD for work performed in 2016 should be submitted by Jan. 31, 2017. 3. All allowances are annual unless approved by County Administration in advance. 4. The scope of work for this program does not include addressing building sewers.	\$ -	\$ -	\$ -	\$ 12,000,000	\$ 12,000,000
31	10180217	Manhole Renewal Program 2017	\$ -	\$ 1,300,000	\$ 1,300,000	\$ 1,300,000	C	1. Before funding is released, MSD is to identify the contract proposed funding period and provide that to the County by Dec. 1, 2016. 2. For the 2016 budget, identify whether the contracts are 12, 18 month or higher term periods. 3. How much of the 2016 budget will be spent in 2016? Billings submitted to MSD for work performed in 2016 should be submitted by Jan. 31, 2017. 4. All allowances are annual unless approved by County Administration in advance.	\$ -	\$ -	\$ -	\$ 1,300,000	\$ 1,300,000
32	10190317	Home Sewer Treatment System Eliminations	\$ 290,000	\$ -	\$ 290,000	\$ 290,000	Y		\$ 290,000	\$ -	\$ -	\$ -	\$ 290,000
33	10199017	Wet Weather Program Management and Support Services 2017	\$ 3,500,000	\$ -	\$ 3,500,000	\$ 1,200,000	C	1. Budget breakdown as follows: a) \$200,000 for Miscellaneous, b) \$700,000 for Consent Decree legal, and, c) \$300,000 for contract document control supplemental staff. d) The three tasks outlined above (a, b & c) may be set up a separate projects in the final 2017 CIP. 2. Program Management costs are to be budgeted in individual projects. 3. MSD staff is funded out of personnel account. No MSD staff are to charge time to this allowance. 4. Estimating and Scheduling are to be funded out of Operating Budget and Capital Expenditures transferred to appropriate project.	\$ -	\$ 1,200,000	\$ -	\$ -	\$ 1,200,000

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34	#####	WWIP Affordability Tasks 2017	\$ -	\$ -	\$ -	\$ 300,000	C	1. MSD is to provide new project ID, fact sheet and budget. 2. MSD to provide Scope of work for this new project. 3. No funds will be released prior to County review and approval of scope and tasks.	\$ -	\$ 300,000	\$ -	\$ -	\$ 300,000
35	#####	WWIP Phase 2 Planning 2017	\$ -	\$ -	\$ -	\$ 1,500,000	C	1. MSD is to provide new project ID, fact sheet and budget. 2. MSD to provide Scope of work for this new project. 3. No funds will be released prior to County review and approval of scope and tasks.	\$ -	\$ 1,500,000	\$ -	\$ -	\$ 1,500,000
36	#####	MPMP development and updates 2017	\$ -	\$ -	\$ -	\$ 250,000	C	1. MSD is to provide new project ID, fact sheet and budget. 2. MSD to provide Scope of work for this new project. 3. No funds will be released prior to County review and approval of scope and tasks.	\$ -	\$ 250,000	\$ -	\$ -	\$ 250,000
37	10199117	Hamilton County Utility Oversight and Coordination 2017	\$ 2,700,000	\$ -	\$ 2,700,000	\$ 3,400,000	Y	Increase budget to account additional WWIP Phase 2 negotiations.	\$ 3,400,000	\$ -	\$ -	\$ -	\$ 3,400,000
38	WWIP	LOCAL and LATERAL PROJECTS	\$ 127,500	\$ 5,516,812	\$ 5,644,312	\$ 3,978,900	1.31%		\$ 114,500	\$ -	\$ 3,864,400	\$ -	\$ 3,978,900
39	10320058	Kern Drive & Springdale Road Local Sewer	\$ -	\$ 901,600	\$ 901,600	\$ 901,600	Y		\$ -	\$ -	\$ 901,600	\$ -	\$ 901,600
40	10320065	Reemelin Road Local Sewer (HNs 3489-3860)	\$ -	\$ 1,116,100	\$ 1,116,100	\$ 1,116,100	Y		\$ -	\$ -	\$ 1,116,100	\$ -	\$ 1,116,100
41	10320070	Crestnoll lane Local Sewer (HN 3491-3609)	\$ -	\$ 907,800	\$ 907,800	\$ 907,800	Y		\$ -	\$ -	\$ 907,800	\$ -	\$ 907,800
42	10320075	Old Blue Rock Road Local Sewer (HN 5240-	\$ -	\$ 182,100	\$ 182,100	\$ 182,100	Y		\$ -	\$ -	\$ 182,100	\$ -	\$ 182,100
43	10320080	Russell Heights Drive Local Sewer	\$ -	\$ 1,147,842	\$ 1,147,842	\$ -	R	MSD removed from 2017 CIP, moving the project into the 2018 CIP, due to ROW.	Removed	Removed	Removed	Removed	\$ -
44	10330006	Devils Backbone Road Sewer Local (HN 1234 & 1250)	\$ 58,800	\$ -	\$ 58,800	\$ 58,800	Y		\$ 58,800	\$ -	\$ -	\$ -	\$ 58,800
45	10330037	Upper Road Local Sewer (HNs 6340-6434)	\$ -	\$ 169,900	\$ 169,900	\$ 169,900	Y		\$ -	\$ -	\$ 169,900	\$ -	\$ 169,900
46	10370050	Stewart Road Local Sewer (HNs 5706-5710)	\$ 39,200	\$ -	\$ 39,200	\$ 39,200	Y		\$ 39,200	\$ -	\$ -	\$ -	\$ 39,200
47	10420020	Hanley Road Sewer Lateral Sewer Assessment (HN 4040)	\$ 2,500	\$ 72,000	\$ 74,500	\$ -	R	MSD removed from 2017 CIP, moving the project into the 2018 CIP, due to ROW.	Removed	Removed	Removed	Removed	\$ -
48	10420025	Althaus Road Sewer Lateral Assessment (HN 7146)	\$ 2,000	\$ 77,470	\$ 79,470	\$ -	R	MSD removed from 2017 CIP, moving the project into the 2018 CIP, due to utility coordination.	Removed	Removed	Removed	Removed	\$ -
49	10420030	Blue Rock Road Sewer Lateral Assessment (HN 4300)	\$ 2,500	\$ 124,500	\$ 127,000	\$ -	R	MSD removed from 2017 CIP, moving the project into the 2018 CIP, due to ROW.	Removed	Removed	Removed	Removed	\$ -
50	10420035	Jessup Road Sewer Lateral Assessment (HN 5950)	\$ 2,000	\$ 45,000	\$ 47,000	\$ 47,000	Y		\$ 2,000	\$ -	\$ 45,000	\$ -	\$ 47,000

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51	10420040	W. Galbraith Road Lateral Assessment (HN 4198)	\$ 2,000	\$ 50,000	\$ 52,000	\$ 52,000	Y		\$ 2,000	\$ -	\$ 50,000	\$ -	\$ 52,000
52	10430030	Werk Road Sewer Lateral Assessment (HN 6052)	\$ -	\$ 40,300	\$ 40,300	\$ -	R	MSD removed from 2017 CIP, moving the project into the 2018 CIP, due to ROW.	Removed	Removed	Removed	Removed	\$ -
53	10440036	Springdale Road Sewer Lateral Assessment (HN 4081)	\$ 2,000	\$ 50,000	\$ 52,000	\$ -	R	MSD removed from 2017 CIP, moving the project into the 2018 CIP, due to ROW.	Removed	Removed	Removed	Removed	\$ -
54	10440055	E. Galbraith Road Sewer Lateral Assessment (HN 4454)	\$ -	\$ 45,400	\$ 45,400	\$ 45,400	Y		\$ -	\$ -	\$ 45,400	\$ -	\$ 45,400
55	10440075	Compton Road Sewer Lateral Assessment (HN 2526)	\$ 2,000	\$ 50,000	\$ 52,000	\$ -	R	MSD removed from 2017 CIP, moving the project into the 2018 CIP, due to ROW.	Removed	Removed	Removed	Removed	\$ -
56	10450016	Enyart Road Sewer Lateral Assessment (HN 11328)	\$ -	\$ 40,300	\$ 40,300	\$ -	R	MSD removed from 2017 CIP, moving the project into the 2018 CIP, due to ROW.	Removed	Removed	Removed	Removed	\$ -
57	10450035	Hopewell Road Sewer Lateral Assessment (HN 9283)	\$ 2,000	\$ 50,000	\$ 52,000	\$ 52,000	Y		\$ 2,000	\$ -	\$ 50,000	\$ -	\$ 52,000
58	10470009	Markley Road Sewer Lateral Assessment (HN 1019)	\$ 2,500	\$ 121,500	\$ 124,000	\$ 124,000	Y		\$ 2,500	\$ -	\$ 121,500	\$ -	\$ 124,000
59	10470025	Woodruff Road Sewer Lateral Assessment (HNs 8145,8167,8237)	\$ -	\$ 75,000	\$ 75,000	\$ 75,000	Y		\$ -	\$ -	\$ 75,000	\$ -	\$ 75,000
60	10470030	Woodruff Road Sewer Lateral Assessment (HN 8109)	\$ 2,000	\$ 50,000	\$ 52,000	\$ -	R	MSD removed from 2017 CIP, moving the project into the 2018 CIP, due to ROW.	Removed	Removed	Removed	Removed	\$ -
61	10470031	Woodruff Road Sewer Lateral Assessment (HN 8217)	\$ 2,000	\$ 50,000	\$ 52,000	\$ 52,000	Y	MSD has indicated that the project cost has increased, but no revised costs have been provided.	\$ 2,000	\$ -	\$ 50,000	\$ -	\$ 52,000
62	10470032	Woodruff Road Sewer Lateral Assessment (HN 8263)	\$ 2,000	\$ 50,000	\$ 52,000	\$ 52,000	Y	MSD has indicated that the project cost has increased, but no revised costs have been provided.	\$ 2,000	\$ -	\$ 50,000	\$ -	\$ 52,000
63	10470033	Woodruff Road Sewer Lateral Assessment (HN 8253)	\$ 2,000	\$ 50,000	\$ 52,000	\$ 52,000	Y	MSD has indicated that the project cost has increased, but no revised costs have been provided.	\$ 2,000	\$ -	\$ 50,000	\$ -	\$ 52,000
64	10470034	Woodruff Road Sewer Lateral Assessment (HN 8273)	\$ 2,000	\$ 50,000	\$ 52,000	\$ 52,000	Y	MSD has indicated that the project cost has increased, but no revised costs have been provided.	\$ 2,000	\$ -	\$ 50,000	\$ -	\$ 52,000
65		TOTAL AM PROJECTS	\$ 7,862,900	\$ 86,345,305	\$ 94,208,205	\$ 84,496,882	27.75%		\$ -	\$ 16,857,100	\$ 13,150,382	\$ 54,489,400	\$ 84,496,882
66		AM_PROJECTS	\$ 3,162,900	\$ 64,095,305	\$ 67,258,205	\$ 53,581,882	17.59%		\$ -	\$ 3,442,100	\$ 13,150,382	\$ 36,989,400	\$ 53,581,882
67	10220054	Bruestle Avenue Pump Station Elimination	\$ -	\$ 702,200	\$ 702,200	\$ 702,200	C	MSD to provide a payback period for the project.	\$ -	\$ -	\$ -	\$ 702,200	\$ 702,200
68	10220061	Whitewater Township Regional Sewer District Phase III SR 128 Sewer Extension	\$ -	\$ 6,458,400	\$ 6,458,400	\$ 6,458,400	C	Project name should be changed, since there is not a Phase III portion of the project. The BCE provided does not address the concerns and questions raised by the County in December 2015. Provide appropriate responses to those previously identified issues.	\$ -	\$ -	\$ -	\$ 6,458,400	\$ 6,458,400

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69	10230125	East Branch Muddy Creek Pump station Upgrades	\$ 411,300	\$ -	\$ 411,300	\$ 411,300	C	MSD states a BCE will be provided December 31, 2016. MSD to provide a payback period for the project.	\$ -	\$ 411,300	\$ -	\$ -	\$ 411,300
70	10230155	Darwin Avenue Sewer Backup Remediation (HN 3520)	\$ -	\$ 76,300	\$ 76,300	\$ 76,300	Y		\$ -	\$ -	\$ 76,300	\$ -	\$ 76,300
71	10240029	German Cemetery Sewer Replacement	\$ -	\$ 735,000	\$ 735,000	\$ 735,000	Y	MSD has indicated that the project cost has increased, but no revised costs have been provided.	\$ -	\$ -	\$ 735,000	\$ -	\$ 735,000
72	10240151	Document Control Storage Enhancements	\$ 130,000	\$ 5,178,000	\$ 5,308,000	\$ -	N	No BCE for current project has been provided.	Not Recommended	Not Recommended	Not Recommended	Not Recommended	\$ -
73	10240245	Mill Creek WWTP Service Water (NPW) Reliability and Service Upgrade	\$ 19,300	\$ 3,124,000	\$ 3,143,300	\$ -	N	MSD should only legislate projects which are stand alone.	Not Recommended	Not Recommended	Not Recommended	Not Recommended	\$ -
74	10240291	Mill Creek WWTP Solids Handling Improvements Phase 1	\$ 52,900	\$ 19,415,400	\$ 19,468,300	\$ 12,212,100	C	Coordinate with Legal Counsel	\$ -	\$ 52,900	\$ -	\$ 12,159,200	\$ 12,212,100
75	10240320	Wilder Avenue Sewer Replacement	\$ 210,000	\$ -	\$ 210,000	\$ 210,000	C	MSD to provide a revised BCE by January 31, 2017.	\$ -	\$ 210,000	\$ -	\$ -	\$ 210,000
76	10240350	McKeone Avenue Sewer Replacement	\$ -	\$ 96,700	\$ 96,700	\$ 96,700	Y		\$ -	\$ -	\$ 96,700	\$ -	\$ 96,700
77	10240360	Timbers Pump Station Elimination	\$ -	\$ 606,500	\$ 606,500	\$ 606,500	C	1. Not in top 10 priority rank for pump stations. Steel dry well is listed as poor structural condition. Provide additional information to confirm actual safety concern. 2. MSD to provide a payback period for the project. 3. If information above is provided and considered acceptable by the County, then County will release funds.	\$ -	\$ -	\$ -	\$ 606,500	\$ 606,500
78	10240365	Quebec Road Sewer Replacement	\$ -	\$ 427,400	\$ 427,400	\$ 427,400	C	The project is a stormwater sewer separation project that benefits the LMCPR. Therefore, the costs should be included as part of the LMCPR budget.	\$ -	\$ -	\$ -	\$ 427,400	\$ 427,400
79	10240375	Carpenters Run Pump Station Upgrade	\$ -	\$ 513,100	\$ 513,100	\$ -	N	Not in top 10 priority rank for pump stations. Steel dry well is listed a fair structural condition. No information provided to confirm actual safety concern.	Not Recommended	Not Recommended	Not Recommended	Not Recommended	\$ -
80	10240380	CSO 005 Water Connection	\$ -	\$ 71,000	\$ 71,000	\$ 71,000	Y		\$ -	\$ -	\$ 71,000	\$ -	\$ 71,000
81	10240405	Ponderosa Woods Pump Station Elimination	\$ -	\$ 299,900	\$ 299,900	\$ 299,900	Y	MSD to provide a payback period for the project.	\$ -	\$ -	\$ 299,900	\$ -	\$ 299,900
82	10240420	Freeland Avenue Area Sewer Replacement	\$ 128,100	\$ -	\$ 128,100	\$ 128,100	C	1. The hydraulic model shall conform with MSD Rule Section 2409 for calibration and validation. 2. Assess whether water-in-basements will be worsened by the project. Provide report on this assessment for County review. 3. County approval required to release funds.	\$ -	\$ 128,100	\$ -	\$ -	\$ 128,100
83	10240430	Berkley Avenue Sewer Replacement	\$ -	\$ 728,860	\$ 728,860	\$ 728,860	Y		\$ -	\$ -	\$ 728,860	\$ -	\$ 728,860

TABLE 2
DRAFT 2017 CIP Budget

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4	Original MSD Proposed			CIP Status									
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84	10240455	Spring Grove Avenue Sewer Relacement and Rehabilitation	\$ -	\$ 550,917	\$ 550,917	\$ 550,917	Y		\$ -	\$ -	\$ 550,917	\$ -	\$ 550,917
85	10240465	Hosea Street Sewer Replacement	\$ 429,900	\$ -	\$ 429,900	\$ 429,900	C	Model is not CV to Modeling Rule 2409. Provide report indicating the model is calibrated and validated in conformance with Rule Section 2409.	\$ -	\$ 429,900	\$ -	\$ -	\$ 429,900
86	10240475	Foraker Ave Sewer Replacement Alms PI to E. Terminus	\$ -	\$ 124,368	\$ 124,368	\$ 124,368	Y		\$ -	\$ -	\$ 124,368	\$ -	\$ 124,368
87	10240480	MCWWTP Dewatering Polymer System Replacement	\$ 47,700	\$ 6,594,200	\$ 6,641,900	\$ 1,500,000	C	Coordinate with Legal Counsel	\$ -	\$ -	\$ -	\$ 1,500,000	\$ 1,500,000
88	10240515	Mayhew and Leath Avenues Sewer Replacement	\$ -	\$ 533,700	\$ 533,700	\$ 533,700	Y		\$ -	\$ -	\$ 533,700	\$ -	\$ 533,700
89	10240525	Victory Parkway Sewer Rehabilitation	\$ 106,400	\$ -	\$ 106,400	\$ 106,400	C	Model is not CV to Modeling Rule 2409. Provide report indicating the model is calibrated and validated in conformance with Rule Section 2409.	\$ -	\$ 106,400	\$ -	\$ -	\$ 106,400
90	10240526	Cypress St.-Ashland Ave to 250 feet east Sewer Replacement	\$ -	\$ 147,300	\$ 147,300	\$ 147,300	Y		\$ -	\$ -	\$ 147,300	\$ -	\$ 147,300
91	10240550	Pardee Alley Sewer Replacement-Oswald Al to 200' north	\$ -	\$ 209,900	\$ 209,900	\$ 209,900	Y		\$ -	\$ -	\$ 209,900	\$ -	\$ 209,900
92	10240555	Kemper Mill Village Pump Station Upgrade	\$ -	\$ 687,323	\$ 687,323	\$ -	N	Not in top 10 priority rank for pump stations. Steel dry well is listed a fair structural condition. No information provided to confirm actual safety concern.	Not Recommended	Not Recommended	Not Recommended	Not Recommended	\$ -
93	10240590	Mill Creek WWTP Main Substation Improvements	\$ 22,500	\$ 6,223,800	\$ 6,246,300	\$ 6,246,300	C	1. MSD states the project will be procured as design-build. Provide contract to the County. 2. Bid documents are to be reviewed and approved by the County before advertising the bid.	\$ -	\$ 22,500	\$ -	\$ 6,223,800	\$ 6,246,300
94	10240635	Mill Creek WWTP Plant Influent and Headwords Odor control	\$ -	\$ 1,259,000	\$ 1,259,000	\$ 1,259,000	Y		\$ -	\$ -	\$ 1,259,000	\$ -	\$ 1,259,000
95	10240655	CSO 449 Sewer Separation	\$ 143,600	\$ -	\$ 143,600	\$ -	N	No BCE for current project has been provided.	Not Recommended	Not Recommended	Not Recommended	Not Recommended	\$ -
96	10240665	Mill Creek WWTP Septage Receiving Station Odor Control Improvements	\$ -	\$ 1,014,600	\$ 1,014,600	\$ 1,014,600	C	Coordinate with Legal Counsel	\$ -	\$ -	\$ -	\$ 1,014,600	\$ 1,014,600
97	10240705	Spring Grove at Clifton Sewer Abandonment	\$ 40,500	\$ -	\$ 40,500	\$ -	R	MSD removed this project from the 2017 CIP. MSD stated they will execute this work using operating funds.	Removed	Removed	Removed	Removed	\$ -
98	10241820	SSO 700 Facility Improvements	\$ -	\$ -	\$ -	\$ 8,557,600	C	MSD to add this project to 2017 CIP. This project will be contingent upon Regulator negotiations and County approval.	\$ -	\$ 660,300	\$ -	\$ 7,897,300	\$ 8,557,600
99	10250030	Polk Run UV System Post Aeration Improvements	\$ -	\$ 1,669,000	\$ 1,669,000	\$ 1,669,000	Y		\$ -	\$ -	\$ 1,669,000	\$ -	\$ 1,669,000

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100	10250035	Polk Run Non-Potable Water Upgrades	\$ -	\$ 278,000	\$ 278,000	\$ 278,000	Y		\$ -	\$ -	\$ 278,000	\$ -	\$ 278,000			
101	10260025	South Clippinger Force Main Replacement and Pump Station Upgrade	\$ 444,000	\$ -	\$ 444,000	\$ 444,000	C	1. Not in top 10 priority rank for pump stations. Since project is not in top 10 priority and structural condition is rated good, and pump condition is rated good, then project should be conditional in the 2017 CIP. 2. MSD to provide a payback period for the project. Based upon review of the County, if acceptable, then County to release funds. 3. Operation & Maintenance costs should justify the expenditure.	\$ -	\$ 444,000	\$ -	\$ -	\$ 444,000			
102	10270008	Dry Run Sewers Contract 8M	\$ -	\$ 5,331,500	\$ 5,331,500	\$ 5,331,500	Y	MSD has deferred the project from the 2016 CIP into the 2017 CIP. 1. Please explain why the requested interest is so high for this project.	\$ -	\$ -	\$ 5,331,500	\$ -	\$ 5,331,500			
103	10270150	3981 Watterson Rd Sewer Replacement	\$ -	\$ 184,400	\$ 184,400	\$ 184,400	Y		\$ -	\$ -	\$ 184,400	\$ -	\$ 184,400			
104	10270160	Prospect Woods Pump Station Upgrade	\$ -	\$ 854,537	\$ 854,537	\$ 854,537	Y	MSD to provide a payback period for the project.	\$ -	\$ -	\$ 854,537	\$ -	\$ 854,537			
105	10270165	Delta and Greist Sewer Replacement	\$ 297,700	\$ -	\$ 297,700	\$ 297,700	C	1. Hydraulic model is not calibrated and validated to MSD Rule Section 2409. 2. Water-In-Basement concerns need to be assessed. 3. MSD to provide responses to additional detailed questions submitted separately by County.	\$ -	\$ 297,700	\$ -	\$ -	\$ 297,700			
106	10270170	CSO 83 and 472 Dynamic Underflow Control	\$ 379,000	\$ -	\$ 379,000	\$ 379,000	C	1. Dependent upon Regulator negotiations. 2. The hydraulic model is to be validated in conformance with MSD Model Rule Section 2409. 3. Downstream impact needs to be assessed.	\$ -	\$ 379,000	\$ -	\$ -	\$ 379,000			
107	10270205	Mt. Washington Source Control Pilot	\$ 300,000	\$ -	\$ 300,000	\$ 300,000	C	Proposed Pilot Project for Source Control on Private Property. County to review and approve project scope.	\$ -	\$ 300,000	\$ -	\$ -	\$ 300,000			
108		AM_ALLOWANCES	\$ 4,700,000	\$ 22,250,000	\$ 26,950,000	\$ 30,915,000	10.15%		\$ -	\$ 13,415,000	\$ -	\$ 17,500,000	\$ 30,915,000			
109	10280187	WWT System Asset Renewal 2017	\$ -	\$ 2,000,000	\$ 2,000,000	\$ 500,000	C	1. Projects of \$100,000 or greater are to be brought forward as an individual project into the CIP, under the "Critical Asset Management" allowance, separate from the WWT System Asset Renewal 2017 allowance. 2. This allowance is conditional on providing a list of anticipated items for the budget provided. 3. MSD shall provide a monthly report listing any and all expenditures to date from the allowance.	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000			
110	10280237	Hydraulic Modeling 2017	\$ 715,000	\$ -	\$ 715,000	\$ 715,000	C	MSD to provide detail of individual tasks with scope and project costs for review.	\$ -	\$ 715,000	\$ -	\$ -	\$ 715,000			

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111	10280510	Centralized Grit Handling & Processing Facility	\$ 200,000	\$ -	\$ 200,000	\$ -	N	No BCE for current project has been provided. In addition, this should not be classified as an allowance.	Not Recommended	Not Recommended	Not Recommended	Not Recommended	\$ -			
112	10280607	Building Sewer Renewal Program 2017 Emergency Building Sewer Repair Program 2017	\$ -	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	C	Specific conditions to be determined prior to BoCC approval of CIP budget.	\$ -	\$ -	\$ -	\$ 5,000,000	\$ 5,000,000			
113	10280617	Water Quality Program 2017	\$ 485,000	\$ -	\$ 485,000	\$ -	N	Efforts required for these tasks should be funded under the IWAP projects.	Not Recommended	Not Recommended	Not Recommended	Not Recommended	\$ -			
114	10280717	Facilities Asset Management Projects	\$ -	\$ 2,500,000	\$ 2,500,000	\$ -	N	Projects for these assets to be brought forward as an individual project into the CIP, under the "Critical Asset Management" allowance.	Not Recommended	Not Recommended	Not Recommended	Not Recommended	\$ -			
115	10280917	Wet Weather Facilities Asset Renewal 2017	\$ -	\$ 750,000	\$ 750,000	\$ -	N	Projects for these assets to be brought forward as an individual project into the CIP, under the "Critical Asset Management" allowance.	Not Recommended	Not Recommended	Not Recommended	Not Recommended	\$ -			
116	10281317	Prioritized Wastewater Collection System Improvements 2017 Emergency Sewer Repairs 2017	\$ -	\$ 12,000,000	\$ 12,000,000	\$ 6,000,000	C	1. The scope of work for the program does not include addressing building sewers. 2. Final specific conditions to be determined prior to BoCC approval of CIP budget.	\$ -	\$ -	\$ -	\$ 6,000,000	\$ 6,000,000			
117	102#####	High Risk Asset Renewal for Collections 2017	\$ -	\$ -	\$ -	\$ 6,000,000	C	1. The scope of work for the program does not include addressing building sewers. 2. Final specific conditions to be determined prior to BoCC approval of CIP budget.	\$ -	\$ -	\$ -	\$ 6,000,000	\$ 6,000,000			
118	102#####	Critical Asset Management	\$ -	\$ -	\$ -	\$ 10,000,000	C	This allowance is to address critical asset management projects and equipment for the collection system, treatment plant, pumping station and wet weather facilities. 1. MSD to provide new project ID, fact sheet and budget for this new project. 2. Obtain approval from County Administration for individual project that will be utilizing funds from this allowance.	\$ -	\$ 10,000,000	\$ -	\$ -	\$ 10,000,000			
119	102#####	Planning Allowance	\$ -	\$ -	\$ -	\$ 1,500,000	C	1. Funds to be released for individual significant planning efforts following County review and approval. 2. MSD to provide new project ID, fact sheet and budget for this new project.	\$ -	\$ 1,500,000	\$ -	\$ -	\$ 1,500,000			
120	10282017	CIP Project Planning 2017	\$ 3,300,000	\$ -	\$ 3,300,000	\$ 1,200,000	C	1. MSD's "Draft 2017 CIP Budget Report" dated Aug. 15, 2016, provided a detail listing for the \$3.3M proposed budget. Based upon that list \$700,000 is for projects \$25,000 or less. \$500,000 of the budget, can only be released upon County review and approval. 2. Planning projects above \$25,000 shall not proceed without County review and approval.	\$ -	\$ 1,200,000	\$ -	\$ -	\$ 1,200,000			
121		OTHER	\$ -	\$ -	\$ 10,000,000	\$ 10,000,000	3.28%									
122	13090000	Programmatic Contingency	\$ -	\$ -	\$ 10,000,000	\$ 10,000,000	Y				\$10,000,000		\$ 10,000,000			

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123														
124														
125		Totals:	\$ 16,517,500	\$ 175,491,276	\$ 192,008,776	\$ 294,544,508	(without Programmatic Contingency)		\$ 3,804,500	\$ 24,144,200	\$ 161,863,735	\$ 104,732,073	\$ 304,544,508	
126		Totals:			\$ 202,008,776	\$ 304,544,508	(includes Programmatic Contingency)							
127														
128			\$5,327,500	Total PDE Request (not including Allowances)										
129			\$139,941,276	Total Construction Request (w/o Allowances)										
130			\$46,740,000	Total Allowances Request										
131														
132														
133														
134														
135														
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142														
143														

Total of WWIP in CIP:	\$	210,047,626	Total Funding Recommended by County Monitor (without contingency included):	\$	294,544,508
Total of Asset Management in CIP:	\$	84,496,882	Total PDE (non-allowance):	\$	7,593,700
Program Contingency Calculation (Project ID 13090000):	\$	10,000,000	Allowances (non-construction related):	\$	20,355,000
Grand Total County Monitor Recommended CIP Budget:	\$	304,544,508	Allowances (construction related):	\$	30,800,000
			Construction (non-allowance):	\$	235,795,808
			Total CIP w/o Prog. Contingency:	\$	294,544,508
			Difference Check - should be zero:	\$	-
			Total PDE (projects & allowances):	\$	27,948,700
			Total CIP with Prog. Contingency:	\$	304,544,508
			Difference Check - should be zero:	\$	-
			Total Funds to be Authorized by 2017 CIP Resolution:	\$	68,748,700