

US EPA ARCHIVE DOCUMENT

ATTACHMENT 2

INDEX		Sunk Costs	Remaining Costs	CSO SSO Identifier	Description / Design (NOTE4)	Technology	Plan CAPP	Plan Remaining CSO (MG/year)
185	10171540	CSO 135 Elimination	\$ 243,716	CSO 135	Regulator Improvements - 2.4 cfs	RI		0.0
186	10171560	CSO 43 Elimination	\$ 244,159	CSO 43	Regulator Improvements - 2.8 cfs	RI		0.7
187	10171600	CSO 170 Elimination	\$ 242,681	CSO 170	EHRT - Regulator Improvement - 3.1 cfs	RI		in 71800
188	10171640	CSO 214 Storage Facility	\$ 14,074,376	CSO 214	Storage - 2.00 MG	STOR		57.4
189	10171680	CSO 500 Improvements	\$ 243,089	CSO 500	Regulator Improvement - 1.5 cfs. See E-500	RI		in 71800
190	10171680	CSO 501 Improvements	\$ 243,373	CSO 501	Regulator Improvement - 0.1cfs. See E-500	RI		0.0
191	10171700	CSO 549 Improvements	\$ 243,312	CSO 549	Regulator Improvement - 5.0 cfs. See E-500	RI		in 71800
192	10171720	CSO 550 Improvements	\$ 243,620	CSO 550	Regulator Improvement - 0.4 cfs. See E-500	RI		in 71800
193	10171760	CSO 552 Improvements	\$ 242,109	CSO 552	Regulator Improvement - 19.4 cfs	RI		18.6
194	10171800	Upper Duck Creek EHRT Facility	\$ 14,541,316	E-500 - EHRT - 40-MGD - Serves CSOs 170, 549, 550, 501 & 500 (NOTE 2)	E-500 - EHRT			106.0
195	10170782	LM Four Mile Pump Station Upgrade	\$ 3,617,502	E-503 - Four Mile Pump Station Rec Proj - PS-1	E-503 - Four Mile Pump Station Rec Proj - PS-1	WWTP	NOTE 1	
196	10170783	LMWWTP Pump Station Reconfiguration	\$ 3,173,158	E-503 - Modify LMR Pump Station Rec Proj - PS-5	E-503 - Modify LMR Pump Station Rec Proj - PS-5	WWTP	NOTE 1	
197	10170784	LMWWTP Grit Station Upgrade	\$ 6,174,858	E-503 - Grit Collection Proj - SG-1	E-503 - Grit Collection Proj - SG-1	WWTP	NOTE 1	
198	10170785	LMWWTP Pump Station Hydraulic Improvements	\$ 1,759,992	E-503 - Four Mile Pump Station to Screen Building Rec Proj - H-1	E-503 - Four Mile Pump Station to Screen Building Rec Proj - H-1	WWTP	NOTE 1	
199	10170786	LMWWTP Primary to Secondary Hydras. Improvements	\$ 1,325,132	E-503 - Primary to Secondary Conveyance Rec Proj - H-2	E-503 - Primary to Secondary Conveyance Rec Proj - H-2	WWTP	NOTE 1	
200	10170787	LMWWTP Chemically Enhanced Primary	\$ 5,860,701	E-503 - Chemical Enhance Primary Rec Proj - PT-2	E-503 - Chemical Enhance Primary Rec Proj - PT-2	WWTP	NOTE 1	
201	10170788	LMWWTP Secondary Treatment Modifications	\$ 9,235,525	E-503 - Modification to Secondary Treatment Rec Proj - ST-2	E-503 - Modification to Secondary Treatment Rec Proj - ST-2	WWTP	NOTE 1	
202	10170789	LMWWTP Chemical Feed Upgrades	\$ 3,615,935	E-503 - Upgrade Chemical Feed Sys Storage - D-2	E-503 - Upgrade Chemical Feed Sys Storage - D-2	WWTP	NOTE 1	
203	10170793	LMWWTP Sludge Receiving Improvements	\$ 455,361	E-503 - Improvement to Sludge Receiving Facility Rec Proj - DR-6	E-503 - Improvement to Sludge Receiving Facility Rec Proj - DR-6	WWTP	NOTE 1	
204	10170794	LMWWTP Standby Power	\$ 7,141,778	E-503 - Dual Feed / Standby Power Rec Proj - E-1	E-503 - Dual Feed / Standby Power Rec Proj - E-1	WWTP	NOTE 1	
205	10172020	LMWWTP Wet Weather Pump Station	\$ 36,556,845	E-506 - Wet Weather Pump Station with Screening 150 MGD to Auxiliary Outfall	E-506 - Wet Weather Pump Station with Screening 150 MGD to Auxiliary Outfall	WWTP	NOTE 1	
206	10172260	LMWWTP Dry Weather Pump Station	\$ 375,000	Four Mile PS - Dry Weather Pumps - B&N Rec. Proj. PS-1	Four Mile PS - Dry Weather Pumps - B&N Rec. Proj. PS-1	WWTP	NOTE 1	
207	10140400	Lockland Sewer Separation	\$ 2,424,977	Replace collector following original alignment - 7968 ft of 12-24"	Replace collector following original alignment - 7968 ft of 12-24"	CONV	2 yr	
208	10142280	Osley Grating	\$ 241,149	Regulator Improvement-6s. Combine with implementation of green infrastructure as redevelopment, renovation, and routine maintenance occurs to achieve CSO control to achieve 85%.	Regulator Improvement-6s. Combine with implementation of green infrastructure as redevelopment, renovation, and routine maintenance occurs to achieve CSO control to achieve 85%.	RI		4.6
209	10142300	914 Oak St. Grating	\$ 241,284	Regulator Improvements-14.0 cfs. Green potential greater than storage need.	Regulator Improvements-14.0 cfs. Green potential greater than storage need.	RI		7.0
210	10142320	200' West of Bacon St. Grating	\$ 243,670	Regulator Improvements-0.7 cfs	Regulator Improvements-0.7 cfs	RI		0.0
211	10142340	Bacon St. Grating	\$ 243,670	Regulator Improvements-0.11 cfs	Regulator Improvements-0.11 cfs	RI		0.1
212	10142360	No. 96 North Park Grating	\$ 241,284	Regulator Improvements-0.31 cfs	Regulator Improvements-0.31 cfs	RI		0.1
213	10142380	117 E. Charlotte Grating	\$ 241,356	Regulator Improvements-5.0 cfs	Regulator Improvements-5.0 cfs	RI		1.3
214	10142400	428 South Cooper Grating	\$ 241,356	Regulator Improvements-3.08 cfs	Regulator Improvements-3.08 cfs	RI		0.0
215	10130000	Muddy Creek Basin Storage & Conveyance Sewer	\$ 120,122,277	Storage & Conveyance Tunnel unloads Muddy Creek PS, Eliminating SSOs 682 & 697, provides CSO control for 518, 404, 405 and 406 - 25 ft diameter, 6500 ft long, 35 MGD pumps at WWTP	Storage & Conveyance Tunnel unloads Muddy Creek PS, Eliminating SSOs 682 & 697, provides CSO control for 518, 404, 405 and 406 - 25 ft diameter, 6500 ft long, 35 MGD pumps at WWTP	TUNNEL	2 yr	
216	10130160	Muddy Creek Pump Station Upgrade and Forcemain	\$ 8,643,782	Elim. PSO - Increase capacity & convey to Hillside Relief Tunnel - 25 MGD pumps, 12" FM for DMF, 36" FM for WWF (associated with 30000)	Elim. PSO - Increase capacity & convey to Hillside Relief Tunnel - 25 MGD pumps, 12" FM for DMF, 36" FM for WWF (associated with 30000)	PS/IFM	2 yr	
217	10130400	River Rd. Near Muddy Creek WWTP Conveyance Sewer	\$ 396,774	Rapid Run/Bender Rd. Interceptor directly into New Tunnel - 800 ft of 36"	Rapid Run/Bender Rd. Interceptor directly into New Tunnel - 800 ft of 36"	CONV	2 yr	
218	10131020	CSO 402 To Linabee Dr. Reg. Improvements	\$ 242,680	Regulator Improvement - 13.3 cfs (dependent on 30000, 30180, 31120)	Regulator Improvement - 13.3 cfs (dependent on 30000, 30180, 31120)	RI		7.2
219	10131040	CSO 403 Ecco St. Div. Dam Reg. Improvements	\$ 246,336	Regulator Improvement - 7.10 cfs (dependent on 30000, 30180, 31120)	Regulator Improvement - 7.10 cfs (dependent on 30000, 30180, 31120)	RI		3.6
220	10131060	CSO 404 Verhove St. Reg. Improvements	\$ 241,085	Regulator Improvement - 26.9 cfs (dependent on 30000, 30180, 31120)	Regulator Improvement - 26.9 cfs (dependent on 30000, 30180, 31120)	RI		16.2
221	10131080	CSO 405 Reverse St. Reg. Improvements	\$ 242,108	Regulator Improvement - 6.20 cfs (dependent on 30000, 30180, 31120)	Regulator Improvement - 6.20 cfs (dependent on 30000, 30180, 31120)	RI		3.7
222	10131100	CSO 406 Kennabeck St. Reg. Improvements	\$ 242,079	Regulator Improvement - 15.4 cfs (dependent on 30000, 30180, 31120)	Regulator Improvement - 15.4 cfs (dependent on 30000, 30180, 31120)	RI		9.0
223	10131120	West Branch Ohio River Interceptor Sewer	\$ 3,477,204	Convey Flow from CSO 404 to WWTP - 4000' - 60" sized for 85% control for CSOs 404, 405 and 406 (dependent on 30000, 30180)	Convey Flow from CSO 404 to WWTP - 4000' - 60" sized for 85% control for CSOs 404, 405 and 406 (dependent on 30000, 30180)	CONV		-
224	10140000	SSO 1048 Conveyance Sewer Phase 1	\$ 1,710,579	Replace collector following original alignment - 4115 ft of 18-27"; Tunnel 375 ft of 18-24"	Replace collector following original alignment - 4115 ft of 18-27"; Tunnel 375 ft of 18-24"	CONV	2 yr	
225	10140020	SSO 1048 Conveyance Sewer Phase 2	\$ 2,487,502	Replace collector following original alignment - 4256' of 30-36"	Replace collector following original alignment - 4256' of 30-36"	CONV	2 yr	
226	10140080	SSO 587 Conveyance Sewer	\$ 1,178,958	Replace collector following original alignment - 4235 ft of 15-24"	Replace collector following original alignment - 4235 ft of 15-24"	CONV	2 yr	
227	10140120	Sharonville/Evendale Trunk to SSO 700	\$ 34,000,590	24,929 LF of 30-66"; Tunnel 6250 LF of 30-76"	24,929 LF of 30-66"; Tunnel 6250 LF of 30-76"	CONV	2 yr	
228	10140480	Pleasant Run Interceptor Replacement	\$ 1,203,840	WBs - Replace collector following original alignment - 4246 ft of 21-24"	WBs - Replace collector following original alignment - 4246 ft of 21-24"	CONV		
229	10141180	I-75 & Shepard Ave. SSO 700	\$ 60,020,365	Increase Storage at existing site - Additional 24 MG (NOTE 3)	Increase Storage at existing site - Additional 24 MG (NOTE 3)	STOR	2 yr	
230	10141200	Mill & Vine St. Grating	\$ 241,286	Regulator Improvements-3.25 cfs	Regulator Improvements-3.25 cfs	RI		0.2
231	10142200	Bernard & Reisenberg Grating	\$ 2,242,366	Partial Separation	Partial Separation	PS		1.7
232	10142220	Smalley Grating	\$ 1,226,004	Partial Separation	Partial Separation	PS		0.2

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INDEX		Sunk Costs 2008 Dollars	Remaining Costs 2008 Dollars	CSO SSO Identifier	Description / Design (NOTE4)	Technology	Plan CAPP	Plan Remaining CSO (MG/year)
233	10130020			SSO 1061 CSO 518 MH 18006007	Clean Interceptor - 5000 ft of 36"	CLEAN		
234	10130040			SSO 1061 CSO 518 MH 18006007	Replace section of Muddy Creek Int. - 9000 ft of 36"	CONV	2 yr	
235	10130260			PSO 730, 10920003	Elim. Adkyston P.S. w/gravity along Rte. 50 - 2650' of 36" and two 100' of 24"	CONV		
236	10130700			CSO 186	EHRT - 126 MGD Community Priority (NOTE 2)	EHRT	2 yr	61.2
237	10130720			CSO 518	Regulator Improvement - 27.4 cfs Premised on CAPP Activity ID - 30040, 30000 Community Priority	RI		8.4
238	10130780			223, 408, CSO 410, 541, 654	CD Exhibit 1 Partial Separation	PS		0.3
239	10130840			CSO 411, 412, 413, 414, 415, 416	CD Exhibit 1 Regulator Improvement-3.21 cfs and Relocation Complete Partial Separation - Activity ID 31140	PS		12.8
240	10131000				W-103 - CD Exhibit 1 Interceptor Replacement Phase 1	CONV		
241	10131002				W-103 - CD Exhibit 1 Interceptor Replacement Phase 2	CONV		
242	10131003				W-103 - CD Exhibit 1 Interceptor Replacement Phase 3	CONV		
243	10131004				East Branch Muddy Ph3-B Pump Station - Combined in 31006	CONV		
244	10131006				East Branch Muddy Interceptor	CONV		
245	10131140			408, 411, CSO 412, 414, 415, 416	W-104 - Complete the Partial Separation in CSOs areas 408, 411, 412, 414, 415, 416	PS		In 30840 and 30780
246	REMAINING PHASE 2 PROJECTS/BUNDLES							
247	WWTP					WWTP	NOTE 1	
248	10144882	\$ 182,720	\$ 1,547,526,371		C-402 - Enhanced Primary Treatment			
249	LDU							
250	10170920			CSO 68	Storage - 2.53 MG	STOR		36.9
251	10170960			CSO 68	Regulator Improvements - 2.7 cfs	RI		0.0
252	10171260			CSO 61	Regulator Improvements - 8.2 cfs	RI		2.1
253	10171280			CSO 64	Regulator Improvements - 9.7 cfs	RI		0.1
254	10171300			CSO 80	Regulator Improvements - 7.0 cfs	RI		0.0
255	10171320			CSO 83	Regulator Improvements -11 cfs	RI		2.7
256	10171340			CSO 188	Regulator Improvements - 5.1 cfs	RI		4.4
257	10171360			CSO 189	Regulator Improvements - 27 cfs	RI		0.5
258	10171440			CSO 205	Partial Separation	PS		0.0
259	10171460			CSO 84	Consolidate to STO @ CSO 503 1,500' of 72" sewer	STOR		In 71520
260	10171480			CSO 136	Storage - 4.00 MG	STOR		31.0
261	10171520				Pipe Rehab Replacement and Stream Restoration	SEPT/GREEN		15.1
262	PLWWTP							
263	10145540				Pleasant Run Flow Diversion from Mill Creek - Joint MSD/Butler Co. Facility	WWTP	NOTE 1	
264	RL							
265	10140340			SSO 1001, 1020	Replacement collector following original alignment - 4336 ft of 12-21"	CONV	2 yr	0.4
266	10142060			CSO 507	Regulator Improvements-0.9 cfs	RI		0.1
267	10142080			CSO 509	Regulator Improvements-3.0 cfs	RI		0.0
268	10142100			CSO 611	Regulator Improvements-4.49 cfs	RI		2.2
269	10142140			CSO 670	Partial Separation	PS		0.1
270	10142160			CSO 510A	Regulator Improvements- 0.8 cfs	RI		1.3
271	10142180			CSO 508	Partial Separation	PS		0.0
272	LDL							
273	10171040			CSO 89	Regulator Improvements - 8.4 cfs Relocated Completed CIP 98-12	RI		0.3
274	10171080			CSO 71	Regulator Improvements - 2.0 cfs Relocated Completed CIP 98-12	RI		0.1
275	10171100			CSO 72	Regulator Improvements -1.7 cfs	RI		0.7
276	10171120			CSO 74	Regulator Improvements -3.2 cfs	RI		1.3
277	10171140			CSO 75	Regulator Improvements -7.9 cfs	RI		0.3
278	10171160			CSO 76	Regulator Improvements - 5.5 cfs	RI		1.5
279	10171180			CSO 78	Regulator Improvements - 7.0 cfs	RI		
280	10171200			CSO 79	Regulator Improvements - 7.0 cfs	RI		

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INDEX		Sunk Costs 2006 Dollars	Remaining Costs 2008 Dollars	CSO SSO Identifier	Description / Design (NOTE 4)	Technology	Plan CAPP	Plan Remaining CSO (MG/year)
281	10171220		\$ 277,343	CSO 556	Regulator Improvements Remove downstream flow restriction @ Beechmont Sluice Gate	RI		In 71920
282	LCR							
283	10171380		\$ 2,180,499	CSO 85	Full Separation	FS		0.0
284	10171400		\$ 2,327,200	CSO 86	Partial Separation CIP 93-02 HW/DW Relocate	PS		1.9
285	10171500		\$ 277,349	CSO 472	Regulator Improvements	RI		26.5
286	ICWWTP							
287	10110000		\$ 298,238	PSO 877	Opt. Existing Facility, 8.2 - 10.8 MGD	Optimization	NOTE 1	
288	10110020		\$ 11,042,000		1.5 MG Storage w/inlet 3.8 MGD pumps and FM for wet weather flow	STOR	2 yr	
289	AC							
290	10141160		\$ 824,988	SSO 1032	Replace collector following original alignment - 1793 ft of 12-18"	CONV	2 yr	
291	10142460		\$ 277,350	CSO 505	Regulator Improvements - 6.3 cfs	RI		0.0
292	10142480		\$ 277,332	CSO 505	Regulator Improvements - 3.75 cfs	RI		0.3
293	10142500		\$ 1,853,100	CSO 506	Partial Separation	PS		1.3
294	CRU							
295	10142520		\$ 277,350	CSO 535	Regulator Improvements - 3.25 cfs	RI		0.0
296	10142540		\$ 277,350	CSO 560	Regulator Improvements - 3.25 cfs	RI		0.0
297	10142580		\$ 928,701	CSO 537	Partial Separation	PS		0.2
298	10141140		\$ 784,079	SSO 1029	Replace collector following original alignment - 3005 ft of 15-21"	CONV	2 yr	
299	10145600		\$ 65,128,882	Anthony Wayne Flooded MHs	Future Wet Weather Facility to provide system capacity in the Mill Creek Interceptor system			
300	10140880		\$ 3,181,999	SSO 588, 589	CIP 2008-25 (in planning)	CONV	2 yr	
301	10141100		\$ 7,397,254	SSO 1029	Replace collector following original alignment - 15,583 ft of 21-48"; Tunnel 200 ft of 42"	CONV	2 yr	
302	TWILL							
303	10141020	\$ 2,356	\$ 17,353,671	SSO 540	Below ground Storage, protects trunk sewer - 5.9 MG	STOR	2 yr	
304	10140820	\$ 2,408	\$ 5,993,498		Replace collector following original alignment - 12,550 ft of 15-60"; Tunnel 220 ft of 18-42"	CONV		
305	MA							
306	10170160		\$ 2,150,280	SSO 1008	Replace existing pipe - Approx. 2800 LF of 18-27"	CONV	2 yr	
307	10170180		\$ 3,023,001	SSO 1008	Replace existing pipe - Approx. 7900 LF of 15-21"	CONV	2 yr	
308	10170320		\$ 1,359,844		Replace existing pipe - Approx. 1700 LF of 18"	CONV		
309	10170340		\$ 1,795,303		Replace existing pipe - Approx. 3800 LF of 15-18"	CONV		
310	CCA							
311	10170120		\$ 3,524,420	SSO 588	Replace existing pipe - Approx. 4000 LF of 27-30"	CONV	2 yr	
312	10170140		\$ 1,929,768	SSO 588	Regional Storage - 4.6 MG	CONV	2 yr	
313	10170220		\$ 17,284,000		Replace existing pipe - Approx. 9600 LF of 15-48"	STOR		
314	10170240		\$ 18,560,565		Replace existing pipe - Approx. 3000 LF of 48"	CONV		
315	10170260		\$ 2,298,465		WIBs - Replace existing pipe - Approx. 4100 LF of 27-54"	CONV		
316	10170280		\$ 2,892,335		EHRT - 44.3 MGD Community Priority	CONV		
317	10170890		\$ 17,781,369	CSO 182	(NOTE 2)	EHRT		18.3
318	10170900		\$ 277,729	CSO 476	Regulator Improvements - 49.2 cfs Premised on operational changes at WWTP Four Mile P.S.	RI		2.4
319	10170860		\$ 819,293	PSO 561	Prospect Woods PS Upgrade	PSU	2 yr	
320	W							
321	10140620		\$ 24,900,000		Partially buried Storage - Protects Interceptors; 9.4 MG, gravity in & out	STOR		
322	10141040		\$ 5,799,999		New parallel sewer to follow original alignment - 11,238 ft of 18-42"	CONV		
323	10141320		\$ 609,699	PSO 794	Sensitive Receiving Stream	CONV	2 yr	
324	10140800		\$ 5,199,070	SSO 612, 1003	PS Elim. PSO 794, w/sewer	CONV	2 yr	
325	DAL				Replace collector following original alignment - 12,356 ft of 12-48"; Tunnel 80 ft of 36"			
326	10172000		\$ 277,730	CSO 669	Regulator Improvement	RI		0.0
327	D							
328	10170980		\$ 277,349	CSO 584	Regulator Improvements - 4.1 cfs	RI		0.0
329	10171000		\$ 5,200,543	CSO 585	Sewer Separation	PS		8.9
330	10171020		\$ 11,779,328	CSO 586	Storage - 2.90 MG	STOR		17.5
331	RR							
332	10130440		\$ 3,293,342		Replace Interceptor in Wulff Run - 4800 ft of 24"	CONV		

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INDEX		Sunk Costs	Remaining Costs	CSO SSO Identifier	Description / Design (NOTE4)	Technology	Plan CAPP	Plan Remaining CSO (MG/year)
333	10130460 Delhi Rd & Oakwood Park Dr.		\$ 8,389,474	SSO 623	Storage Tank capturing SSO 623 - 1.25 MG w/3 MGD pump	STOR	2 yr	
334	10130500 Delhi Rd. East to Schroer Ave.		\$ 1,524,556		Replace Interceptor along original alignment through Delhi - 5500 ft of 18-24"	CONV		
335	10130760 Rapid Run & Devils Backbone		\$ 26,634,390	CSO 523	EHRT - 106 MGD Community Priority (NOTE 2)	EHRT		56.3
336	10142260 Daily Rd. Vortex Separator		\$ 63,483,931	CSO 532	EHRT - 204.7 MGD Community Priority (NOTE 2)	EHRT		33.8
337	10170200 Lower Duck Conveyance		\$ 1,844,367		WIBs - Replace existing pipe - Approx. 2800 LF of 12-27"	CONV		
338	10170680 Plainview Rd.		\$ 1,850,886		WIBs - Replace existing pipe - Approx. 2800 LF of 12-27"	CONV		
339	10170680 Plainview Rd.		\$ 192,639		Replace pipe - 500 ft of 18"	CONV		
340	10170680 Plainview Rd.		\$ 4,718,433		Replace existing pipe - Approx. 8600 LF of 21-27"	CONV		
341	10170680 Plainview Rd.		\$ 5,015,056		Replace existing pipe - Approx. 8600 LF of 15-18"	CONV		
342	10170680 Plainview Rd.		\$ 765,808		Replace existing pipe - Approx. 2100 LF of 15"	CONV		
343	10170680 Plainview Rd.		\$ 4,283,535		Replace existing pipe - Approx. 8100 LF of 21-27"	CONV		
344	10170680 Plainview Rd.		\$ 2,185,711		Replace existing pipe - Approx. 5300 LF of 18-21"	CONV		
345	10170680 Plainview Rd.		\$ 16,936,648		Storage - 6 MG (NOTE 1)	STOR		
346	10170680 Plainview Rd.		\$ 6,156,003		Polk Run WWTP Optimization Ph4	Optimization	NOTE 1	
347	10170680 Plainview Rd.		\$ 5,852,872		Replacement pipe - 800 ft of 30-11 MG tank	CONV/STOR		
348	10170680 Plainview Rd.		\$ 1,141,145		Replacement pipe - 2700 ft of 15-18"	CONV		
349	10170680 Plainview Rd.		\$ 5,424,227		Replacement pipe (200 ft of 18") New PS & Storage tank	CONV/STOR		
350	10170680 Plainview Rd.		\$ 12,937,008		Replace pipe - 7000 ft of 36 - 48"	CONV		
351	10170400 5 Mile Rd. & Old Kallag		\$ 7,276,701		Replace existing pipe - Approx. 5000 LF of 36-54"	CONV		
352	10170400 5 Mile Rd. & Blinney Ln.		\$ 6,037,842		Replace existing pipe - Approx. 2000 LF of 42"	CONV		
353	10170440 4 Mile Rd. @ I-275		\$ 5,950,845		Replace existing pipe - Approx. 7400 LF of 21-30"	CONV		
354	10170460 Indian Creek Rd.		\$ 3,739		Seal Manhole Lids	Seal Manhole		
355	10170540 Kallag Ave. @ Coney Island		\$ 7,195,286		Replace existing pipe - Approx. 6200 LF of 64-66"	CONV		
356	10144680 Delhi Ave. Div. Dam		\$ 583,389	CSO 420	Partial Separation	PS		0.1
357	10144680 River Rd. @ Delhi Div. Dam		\$ 857,500	CSO 421	Partial Separation	PS		0.2
358	10144760 Bold Face St. Div. Dam		\$ 96,810,229	CSO 419	EHRT - 275 MGD (NOTE 2)	EHRT		137.2
359	10144780 Mt. Echo Rd. Regulator		\$ 277,350	CSO 422	Regulator Improvements - 22.2 cfs	RI		13.4
360	10144800 Mt. Hope Ave. Regulator		\$ 13,986,537	CSO 423	Storage-3.5 MG	STOR		24.9
361	10142940 Ross Run Regulator		\$ 277,300	CSO 465	Regulator Improvements - 70.4 cfs	RI		28.1
362	10143180 Wooden Shoe Regulator		\$ 25,596,976	CSO 217A	EHRT - 75 MGD (NOTE 2)	EHRT		23.3
363	10143000 Kings Run and Spring Cove		\$ 2,245,402	CSO 486	Partial Separation	PS		0.4
364	10143040 Ross Run Grating		\$ 186,895,962	CSO 487	EHRT - 584 MGD (NOTE 2)	EHRT		286.2
365	10143140 Kings Run Regulator		\$ 5,487,501	CSO 483	Partial Separation to new interceptor connection	PS		15.3
366	10142760 Hopple Street		\$ 277,301	CSO 8	Regulator Improvements - 1.54 cfs	RI		0.9
367	10143680 Powers No. 1 Grating		\$ 277,349	CSO 527A	Regulator Improvements - 4.6 cfs	RI		0.4
368	10143700 Beckman North Grating		\$ 277,350	CSO 528A	Regulator Improvements - 3.0 cfs	RI		0.2
369	10143720 Beckman South Grating		\$ 277,350	CSO 529B	Regulator Improvements - 8.5 cfs	RI		0.9
370	10143740 Llewellyn Grating		\$ 277,350	CSO 529B	Regulator Improvements - 3.9 cfs	RI		0.1
371	10143760 Hoffman Grating		\$ 389,200	CSO 123	Partial Separation	PS		0.0
372	10143780 Hays Grating		\$ 895,800	CSO 127	Partial Separation	PS		0.2
373	10143800 Todd No. 2 Grating		\$ 1,337,900	CSO 128	Partial Separation	PS		0.3
374	10143860 Butte/Todd 1/1win Grating		\$ 85,000,001	CSO 130	Conveyance to Tunnel at Mill Creek, 12,600' of 84" sewer	CONV		56.3
375	10143820 Badgley Run Grating - Incl. with 10143820			CSO 125	Conveyance to Tunnel at Mill Creek, 12,600' of 84" sewer, Cost in CSO	CONV		68.9

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INDEX		Sunk Costs 2006 Dollars	Remaining Costs 2006 Dollars	CSO SSO Identifier	Description / Design (NOTE4)	Technology	Plan CAPP	Plan Remaining CSO (MG/year)
388	10143940			CSO 126	Conveyance to Tunnel at Mill Creek, 12,600' of 84" sewer, Cost in CSO 130	CONV		33.2
387	10143980			CSO 203	Conveyance to Tunnel at Mill Creek, 12,600' of 84" sewer, Cost in CSO 130	CONV		5.4
388	10143900			CSO 117A	Conveyance to Tunnel at Mill Creek, 12,600' of 84" sewer, Cost in CSO 130	CONV		9.4
389	EL			CSO 544	Partial Separation	PS		0.1
390	10142640		\$ 1,019,100	CSO 653	Partial Separation	PS		0.4
391	10142660		\$ 510,101	CSO 181	EHRT - 230 MGD (NOTE 2)	EHRT		215.1
392	10142700		\$ 75,958,176	CSO 430	In-line Storage in existing piping (also 431 & 432)	STOR		27.6
393	EO1U			CSO 432	In-line Storage in existing piping (also 430 & 431A)	STOR		5.2
394	10141160			CSO 431A	In-line Storage in existing piping (also 430 & 432) Dewater pump station for 2.0 MGD	STOR		102.5
395	10141180			CSO 449	Regulator Improvement - 1.0 cfs	RI		0.1
396	10144200			CSO 453A	Regulator Improvement - 2.6 cfs	RI		0.3
397	EO2			CSO 447	Partial Separation	PS		0.1
398	10144220		\$ 277,350	CSO 452	Regulator Improvement - 8.5 cfs	RI		4.1
399	10144240		\$ 277,350	CSO 461	EHRT - 120 MGD (NOTE 2)	EHRT		119.2
400	10144260		\$ 277,350	CSO 464	Regulator Improvement - 6.4 cfs	RI		3.8
401	10144320		\$ 277,350	CSO 465	Regulator Improvement - 2.0 cfs	RI		1.0
402	10144340		\$ 277,350	CSO 465E	Regulator Improvements - 5.8 cfs	RI		2.8
403	10144360		\$ 277,350	CSO 465E	Regulator Improvement - 2.8 cfs	RI		1.6
404	10144380		\$ 277,350	CSO 668	Partial Separation	PS		0.5
405	10144400		\$ 277,350	CSO 126A	Full Separation	PS		0.3
406	10144420		\$ 277,350	CSO 426B	Partial Separation	PS		0.5
407	WOU			CSO 424	Partial Separation	PS		5.2
408	10144700		\$ 381,500	CSO 425B	Regulator Improvement - 1.7 cfs	RI		8.5
409	10144720		\$ 97,801	CSO 435	Regulator Improvements - 11.2 cfs	RI		6.6
410	10144740		\$ 1,682,099	CSO 433	Partial Separation	PS		1.0
411	10144820		\$ 4,237,761	CSO 434	Partial Separation	PS		0.2
412	10144860		\$ 277,351	CSO 489	Partial Separation	PS		0.1
413	EO1LW			CSO 436	Partial Separation	PS		8.4
414	10144020		\$ 277,333	CSO 490	Partial Separation	PS		0.9
415	10144040		\$ 2,535,600	CSO 171	Storage - 2.00 MG	STOR		23.0
416	10144060		\$ 824,698	CSO 026A	Regulator Improvements - 7.1 cfs	RI		0.0
417	10144120		\$ 785,300	CSO 480	Partial Separation	PS		1.3
418	10144140		\$ 4,837,403	CSO 455	Partial Separation	PS		3.3
419	CRL			CSO 456	Partial Separation	PS		1.0
420	10142560		\$ 2,876,601	CSO 457	Partial Separation	PS		0.2
421	10142600		\$ 8,274,761	CSO 458	Full Separation	PS		0.0
422	KRL			CSO 454B	Full Separation	PS		0.0
423	10142960		\$ 277,301	CSO 457A	Partial Separation	PS		0.5
424	10142980		\$ 1,159,300	CSO 458	Storage - 8.0 MG Consolidate with CSO 460	STOR		10.1
425	EO3W			CSO 454A	Regulator Improvement - 5.5 cfs	RI		12.7
426	10144440		\$ 6,473,598	CSO 438A	Regulator Improvements - 52.4 cfs	RI		8.8
427	10144460		\$ 1,459,000	CSO 438	Partial Separation	PS		14.3
428	10144480		\$ 1,323,000	CSO 19	Regulator Improvement - 7.6	RI		0.9
429	10144500		\$ 136,000	CSO 37	Regulator Improvements - 6.2 cfs	RI		1.3
430	10144520		\$ 541,698					
431	10144560		\$ 136,000					
432	10144580		\$ 1,272,001					
433	10144600		\$ 19,890,435					
434	10144640		\$ 277,350					
435	EO1LE							
436	10144000		\$ 277,331					
437	NSL		\$ 3,685,098					
438	10143200		\$ 277,300					
439	EU							
440	10142620		\$ 277,301					

ATTACHMENT 2

INDEX		Sunk Costs 2006 Dollars	Remaining Costs 2006 Dollars	CSO SSO Identifier	Description / Design (NOTE4)	Technology	Plan CAPP	Plan Remaining CSO (MG/year)
441	10142720		\$ 2,280,418	CSO 39	Partial Separation			2.2
442	10142740		\$ 277,301	CSO 488	Over Control at 181 to eliminate conveyance element	PS		35.3
443	SGL							
444	10143360		\$ 277,300	CSO 110	Regulator Improvements - 2.80 cfs	RI		0.3
445	10143400		\$ 1,408,906	CSO 111	Partial Separation	PS		4.1
446	10143420		\$ 1,218,799	CSO 112	Partial Separation	PS		0.7
447	EO3E							
448	10144500		\$ 471,800	CSO 459	Partial Separation	PS		0.3
449	10144540		\$ 2,435,600	CSO 667	Partial Separation	PS		2.6
450	10144620		\$ 6,668,048	CSO 460/458	Consolidate with CSO 458	CONV		14.7
451	LMCFR							
452	10145380		\$ 305,655,000		To Be Determined			
453	10143120			CSO 33	TBD	TBD		15.1
454	10142800			CSO 10	TBD	TBD		81.4
455	10142820			CSO 11	TBD	TBD		6.7
456	10142840			CSO 12	TBD	TBD		76.4
457	10142860			CSO 13	TBD	TBD		11.2
458	10142880			CSO 14	TBD	TBD		15.3
459	10142900			CSO 15	TBD	TBD		24.3
460	10143280			CSO 22	TBD	TBD		14.5
461	10143300			CSO 23	TBD	TBD		19.9
462	10143320			CSO 24	TBD	TBD		36.6
463	10143020			CSO 482	TBD	TBD		109.5
464	10143060			CSO 28	TBD	TBD		10.3
465	10143080			CSO 29	TBD	TBD		1.7
466	10143100			CSO 30	TBD	TBD		24.5
467	10143160			CSO 025A	TBD	TBD		8.4
468	10143182			CSO Este	TBD	TBD		-
469	10143240			CSO 18	TBD	TBD		8.6
470	10143260			CSO 21	TBD	TBD		31.9
471	10143340			CSO 017B	TBD	TBD		2.9
472	TOTAL PHASE 2 WITHOUT PHASE 2 ALLOWANCES	\$ 182,720	\$ 2,015,465,833					

NOTES: 1 PROJECT COMPLETE AND IN SERVICE AT SPECIFIED CAPACITY

2 FOR ALL PROJECTS WITH EHRT TECHNOLOGY VOLUME SHOWING IS REMAINING UNTREATED OVERFLOW - SEE ATTACHMENT 5.

3 INFORMATION RELATED TO THIS PROJECT IS PRELIMINARY AND SUBJECT TO CHANGE BASED ON FURTHER STUDY AS SET FORTH IN PARAGRAPH A.3. OF THE WWIP

4 CAPP DESIGN: ALL CAPP SEWER PROJECTS WILL BE DESIGNED TO MEET THE 10 YEAR DESIGN STORM EVENT. ALL CAPP PUMP STATION AND STORAGE FACILITIES WILL BE DESIGNED TO MEET THE 2 YEAR DESIGN STORM EVENT.

THE 2 AND 10 YEAR DESIGN STORMS ARE SCS TYPE II - 24 HOUR EVENTS.

5 FOR THESE RTC PROJECTS, THE STATED REDUCTION IN THE TYPICAL YEAR CSO DISCHARGE VOLUME SHALL ALSO BE THE PERFORMANCE CRITERIA FOR THE FACILITY.

6 PERFORMANCE CRITERIA FOR CSO VOLUMES REMAINING AFTER IMPLEMENTATION OF CSO CONTROLS ARE THE VOLUMES NOT TO BE EXCEEDED AT A PARTICULAR OUTFALL DURING MSDGC'S TYPICAL RAINFALL YEAR (1970). COMPLIANCE WITH THESE CRITERIA WILL BE EVALUATED BY IMPLEMENTATION OF A POST CONSTRUCTION MONITORING PROGRAM WHICH WILL BE SUBMITTED TO THE REGULATORY AGENCIES FOR REVIEW AND APPROVAL IN ACCORDANCE WITH THE GLOBAL CONSENT DECREE THAT WILL UTILIZE MSDGC'S HYDROLOGIC AND HYDRAULIC MODEL TO NORMALIZE THE RESULTS OF THE POST CONSTRUCTION MONITORING TO THE TYPICAL YEAR