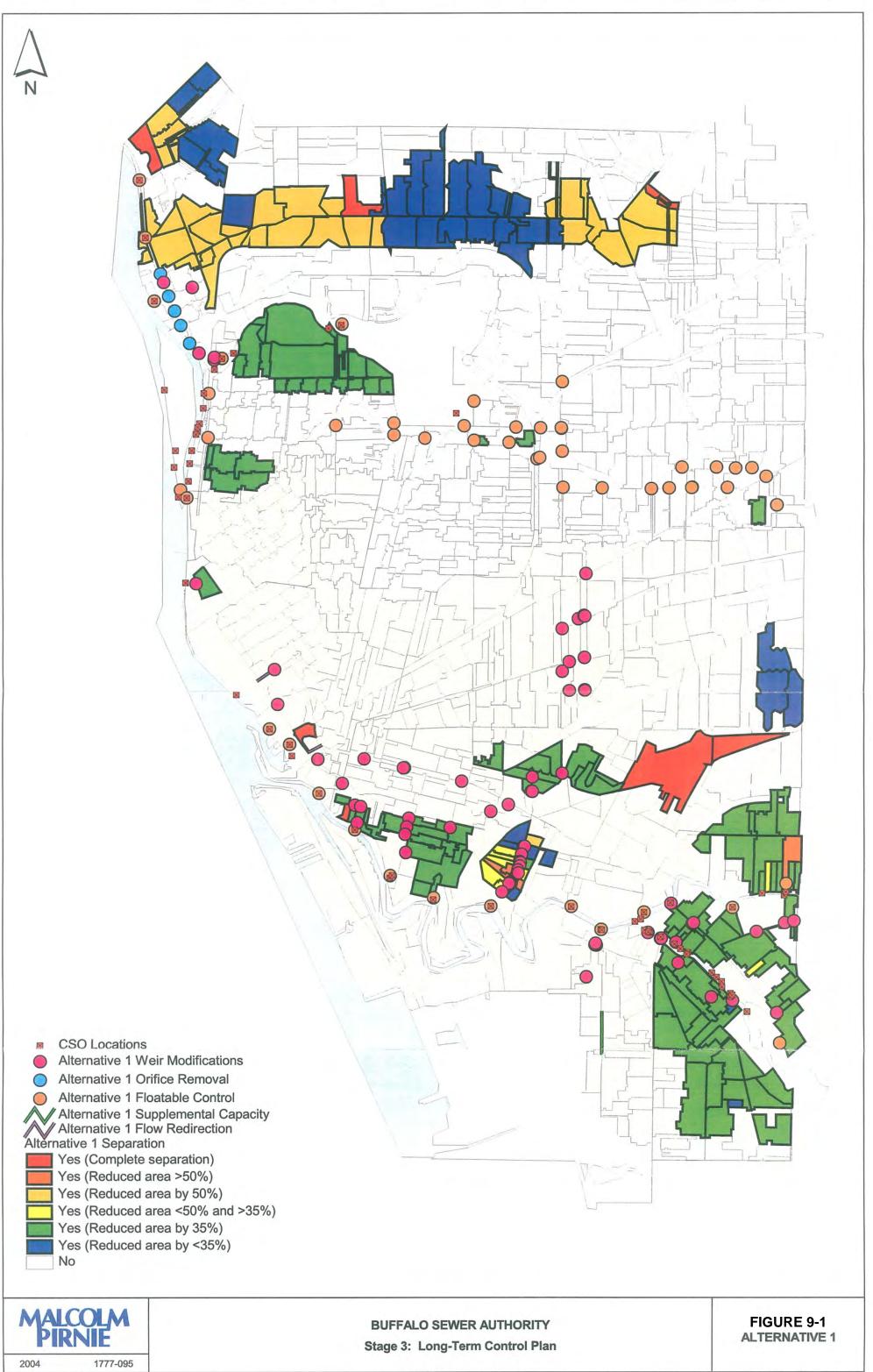
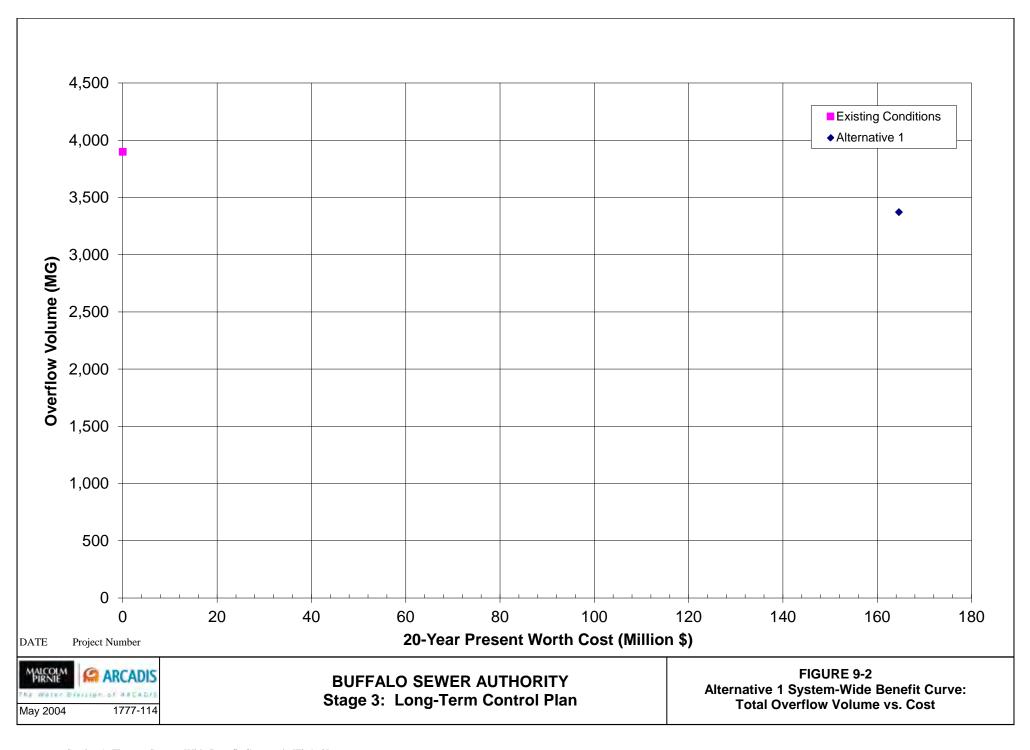
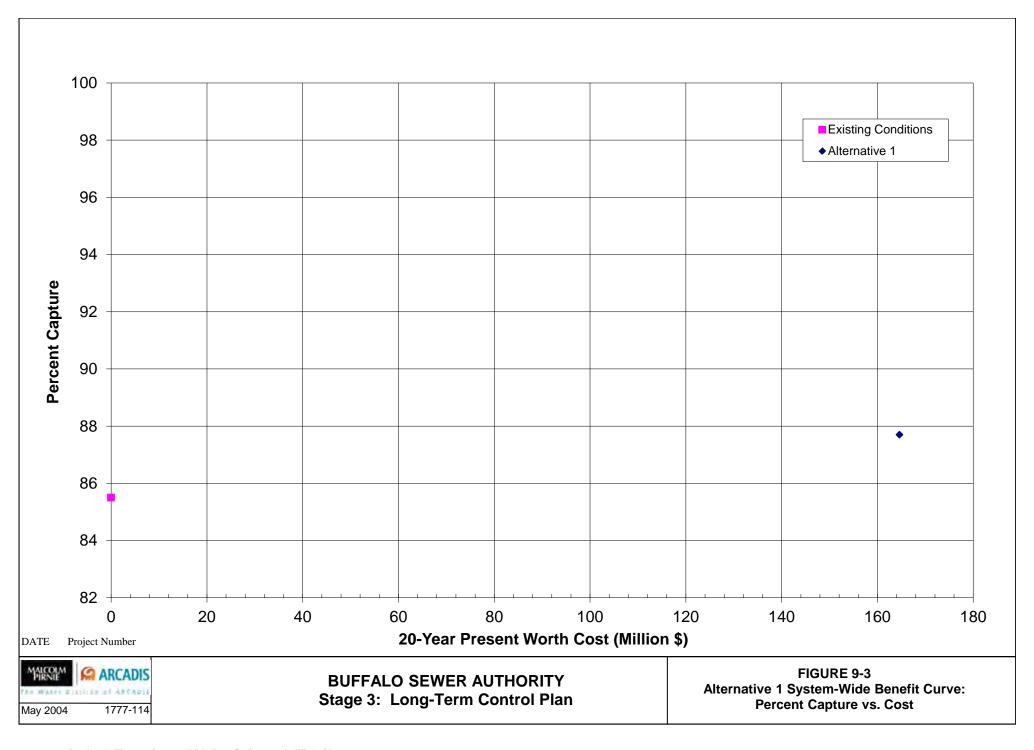
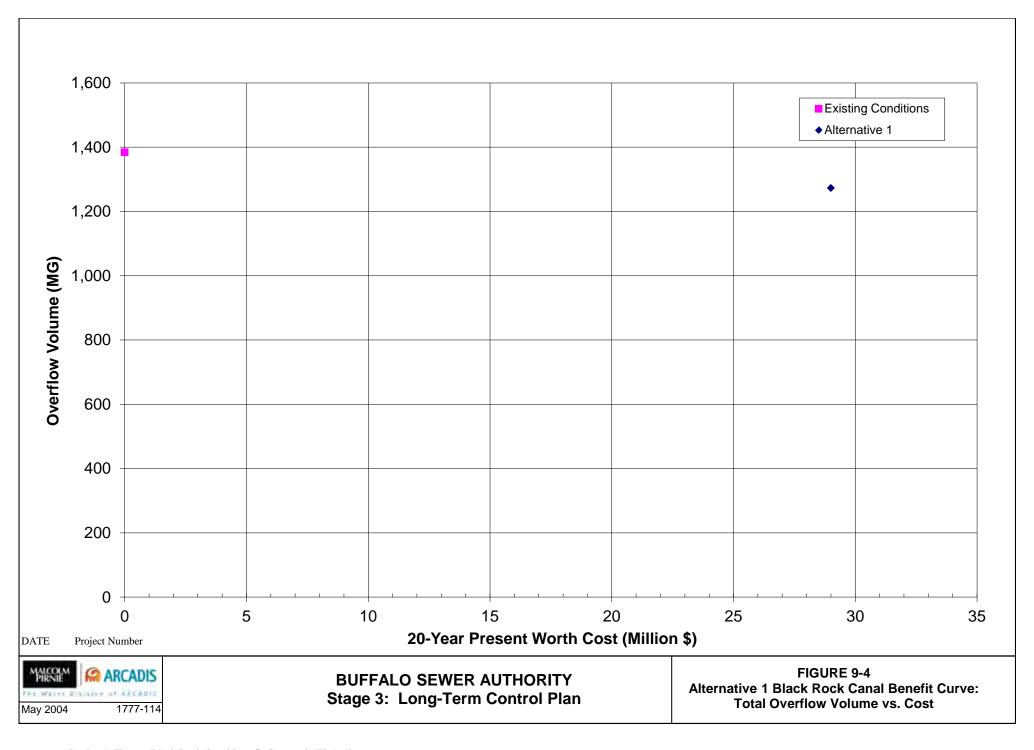


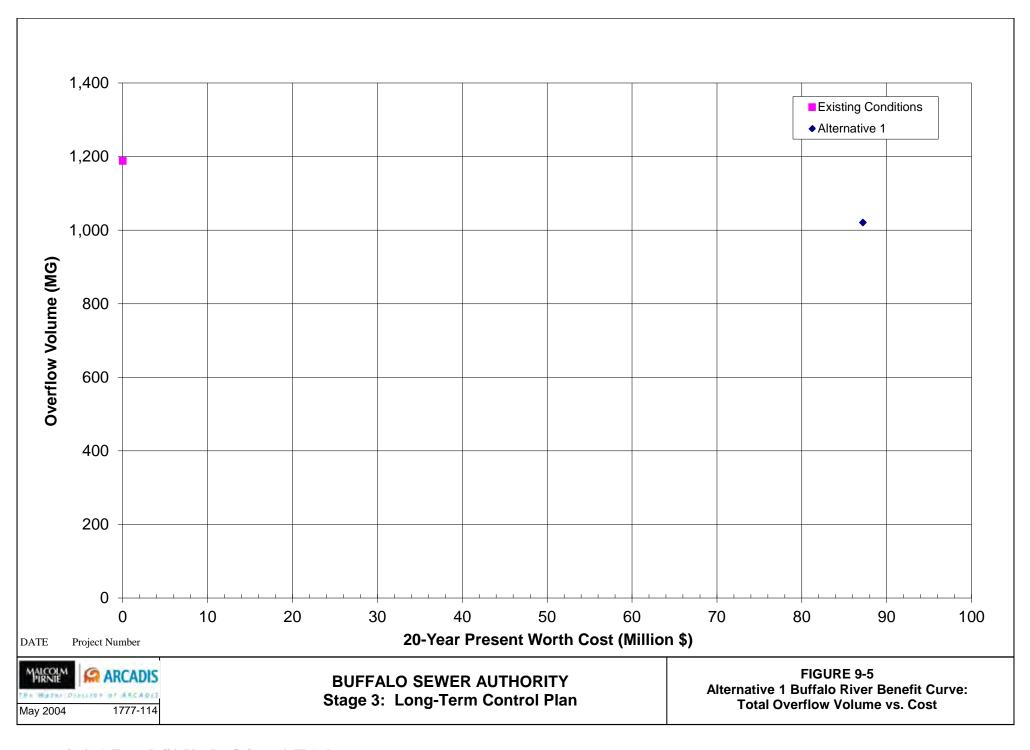
Appendix 9-1: Section 9 Tables and Figures (from 2004 LTCP)

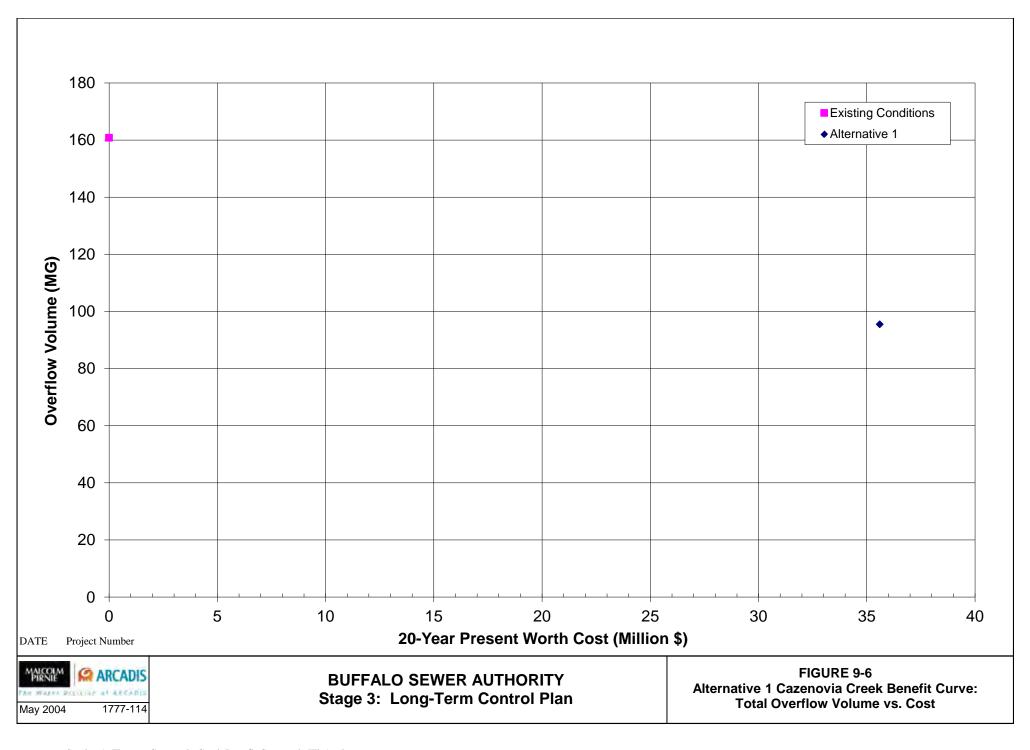


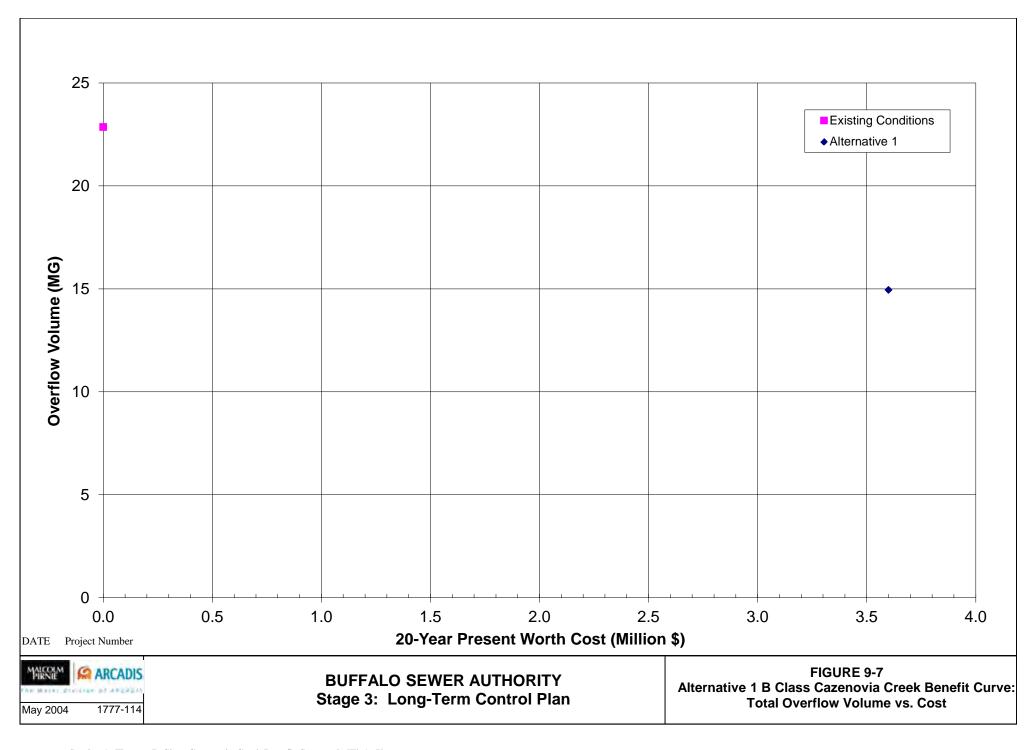


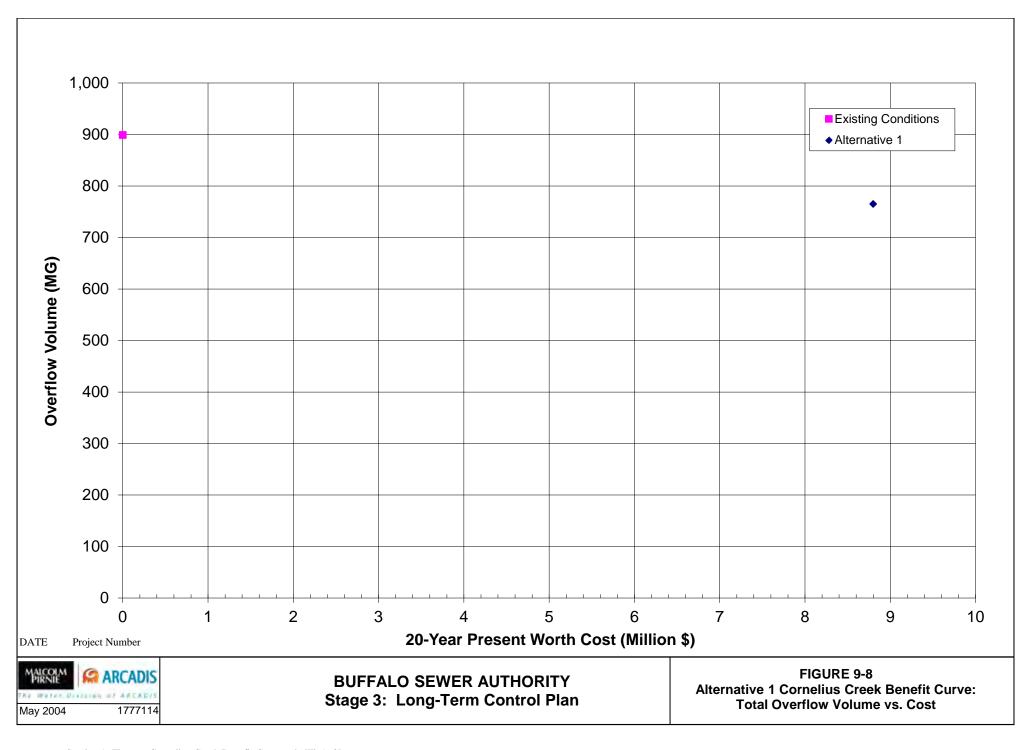


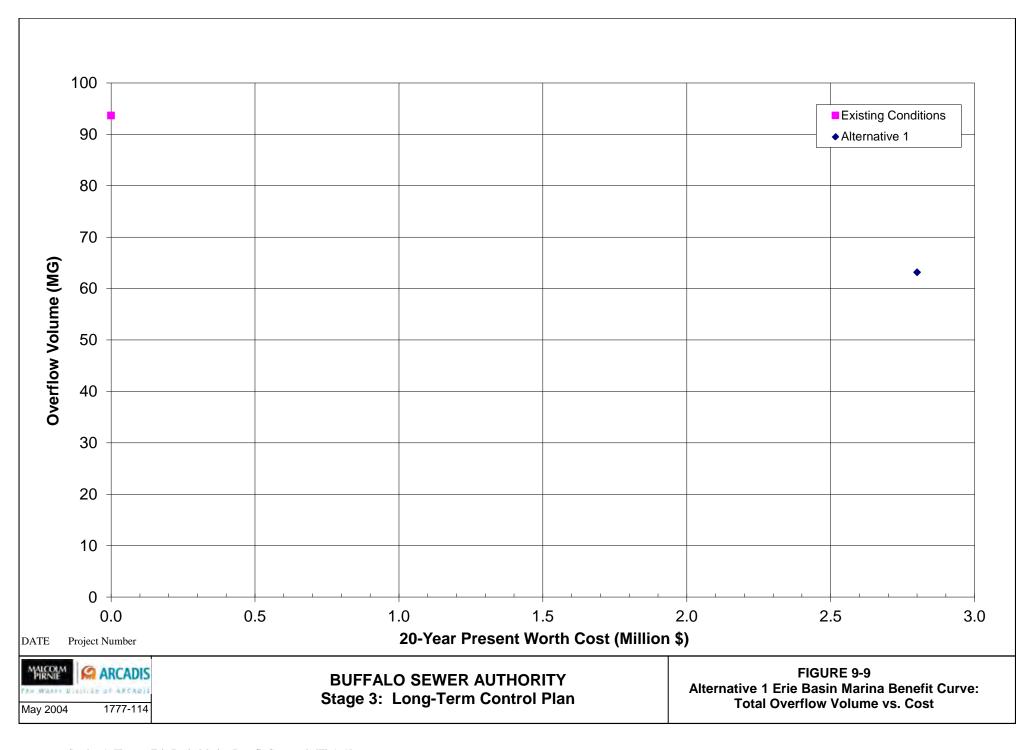


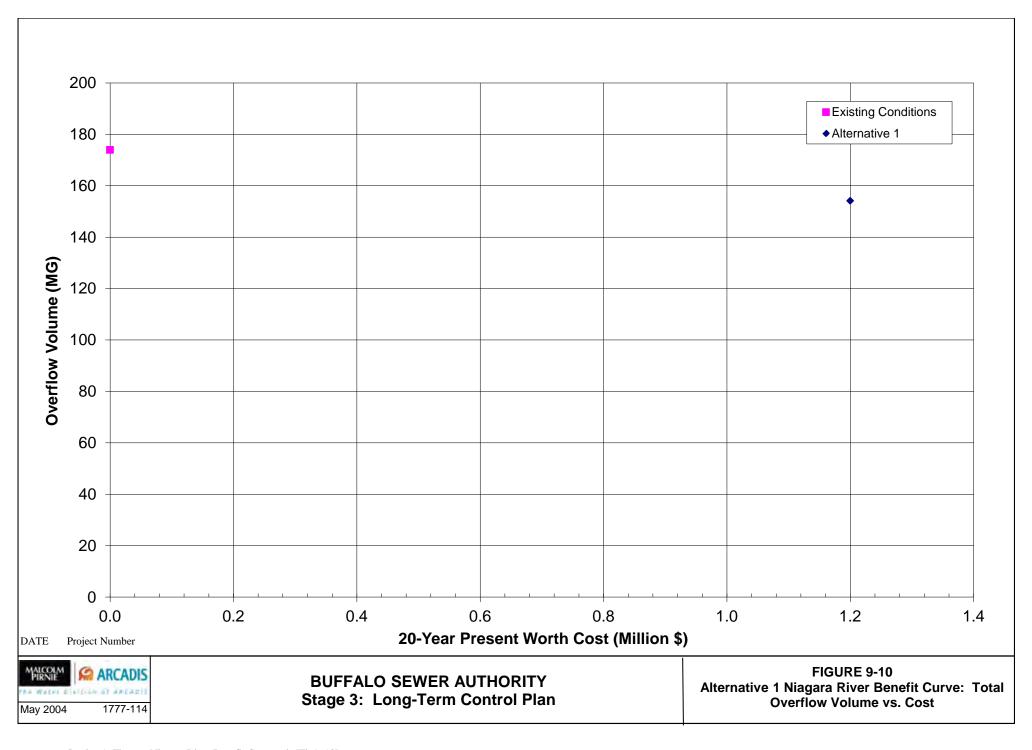


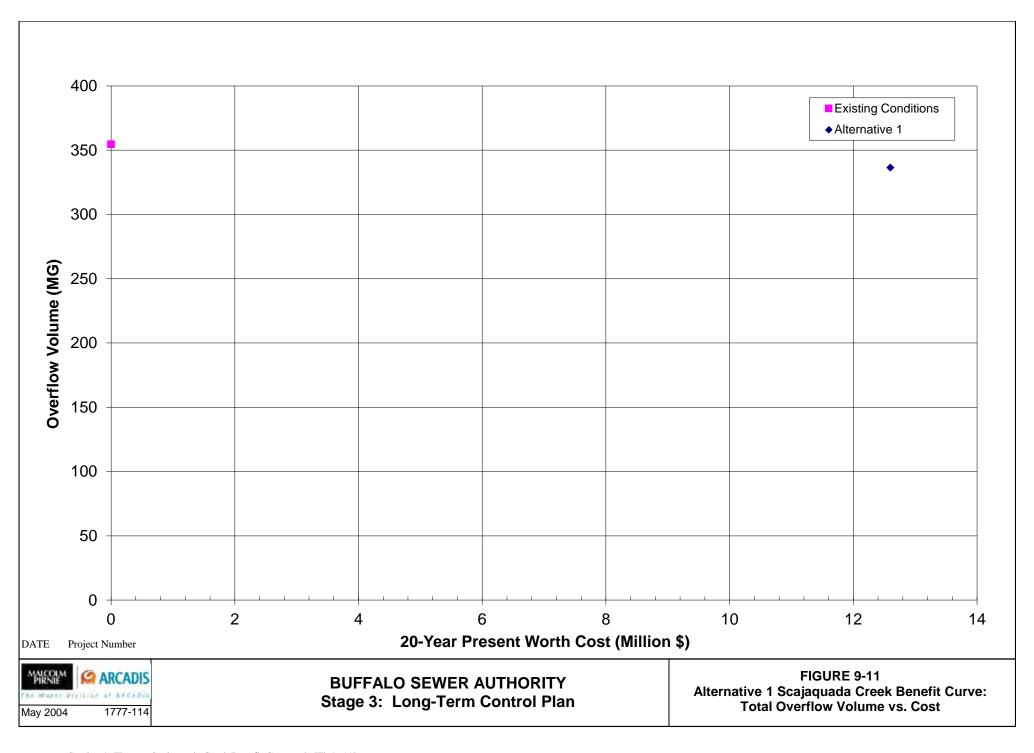


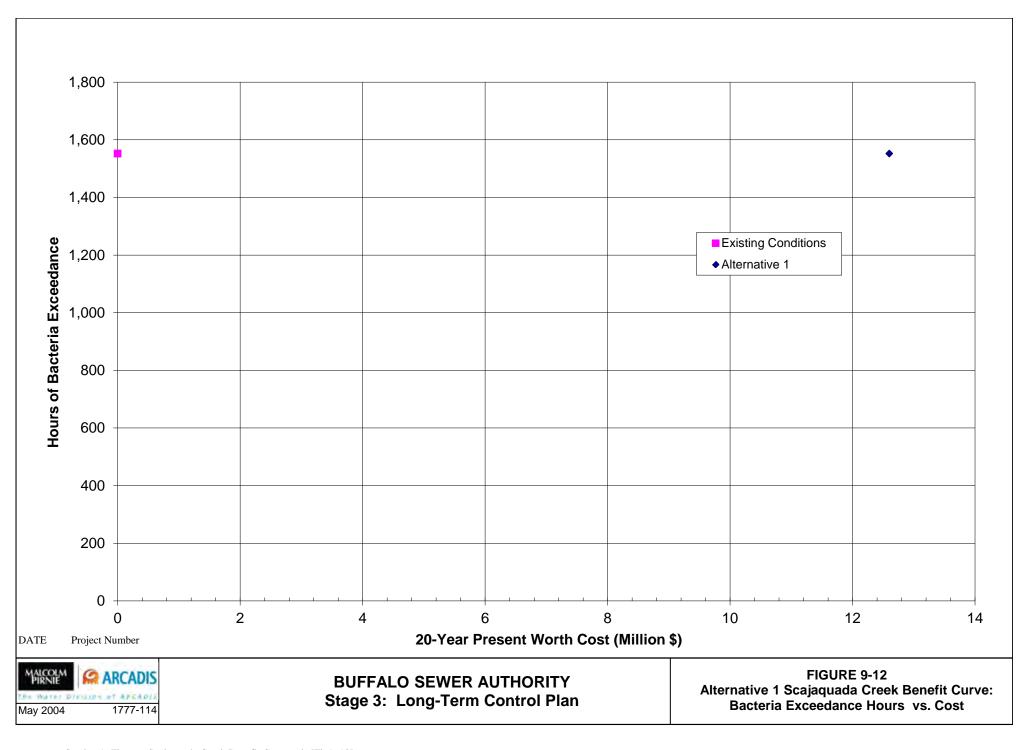


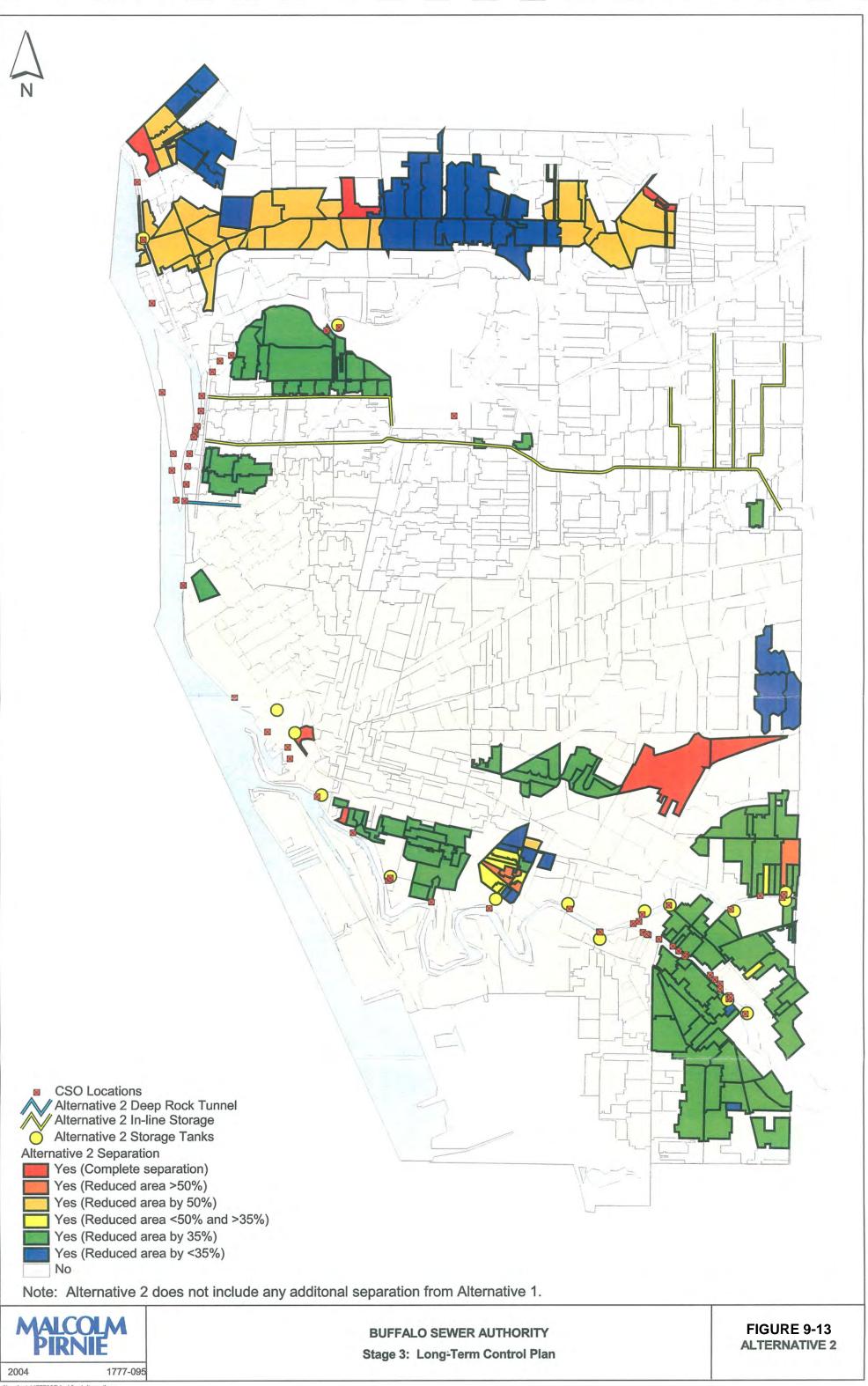


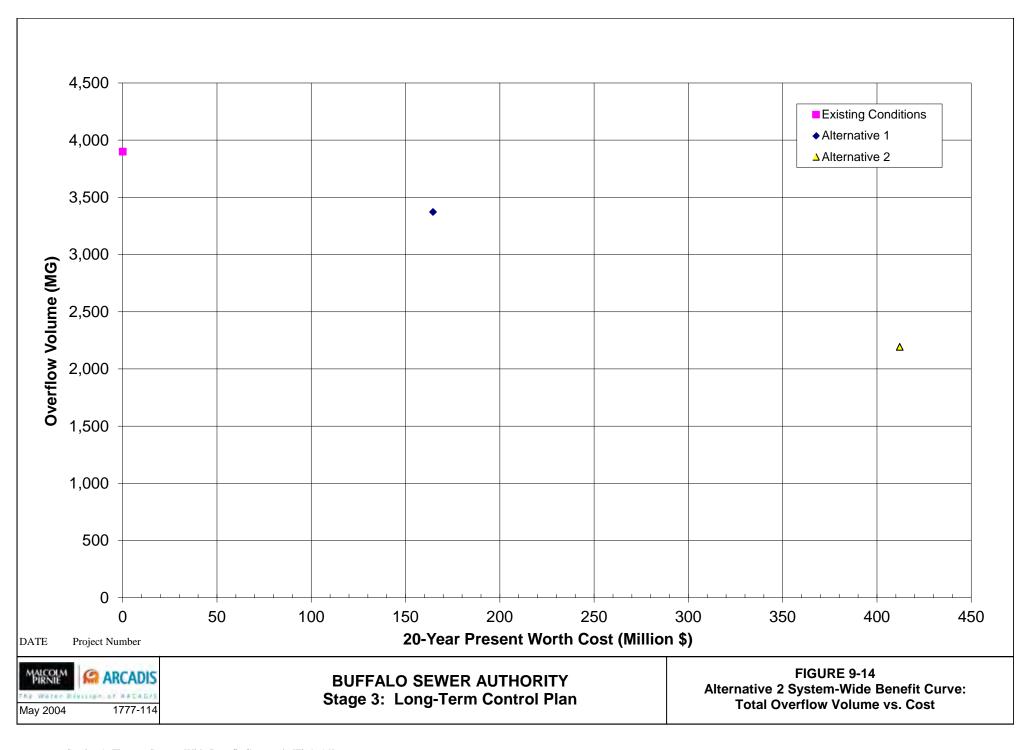


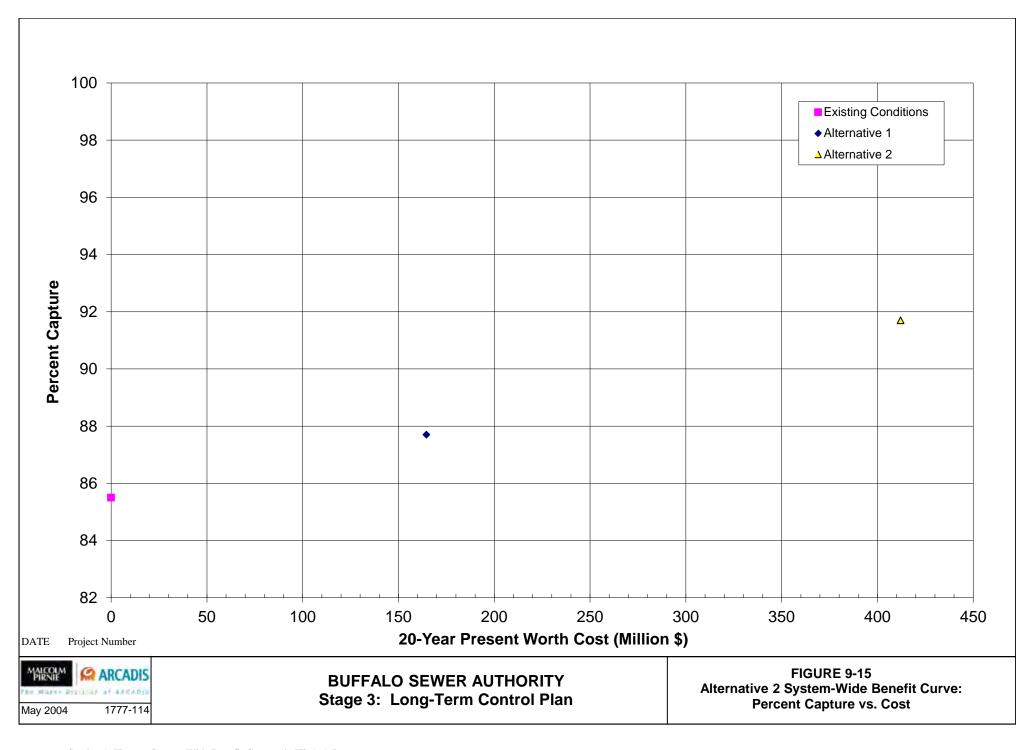


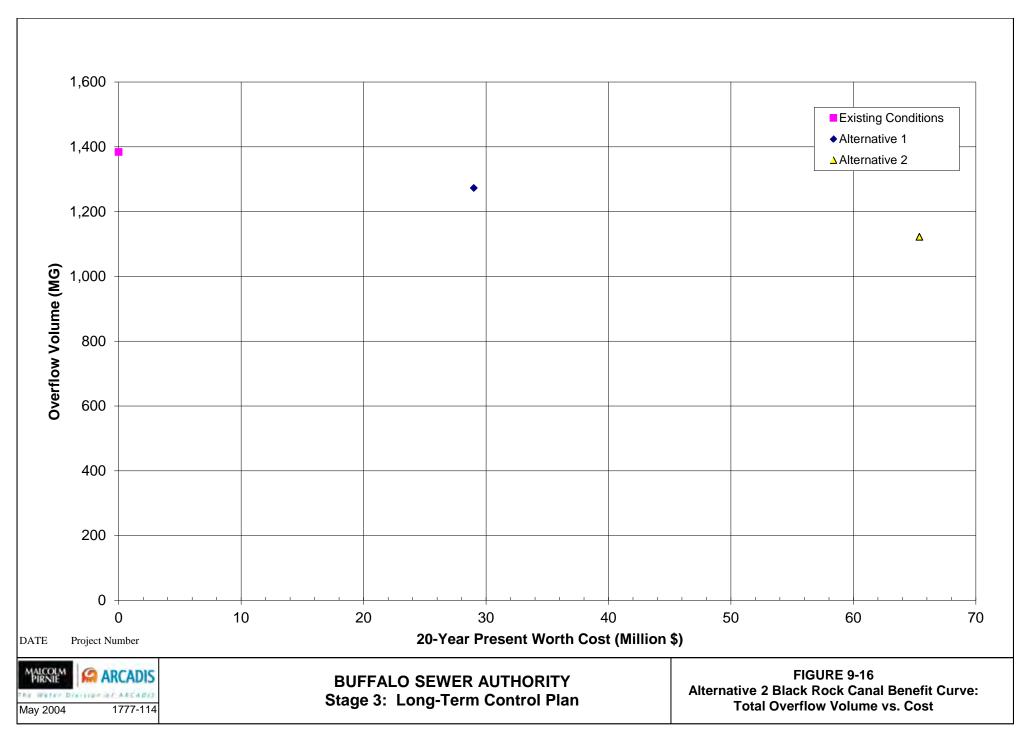


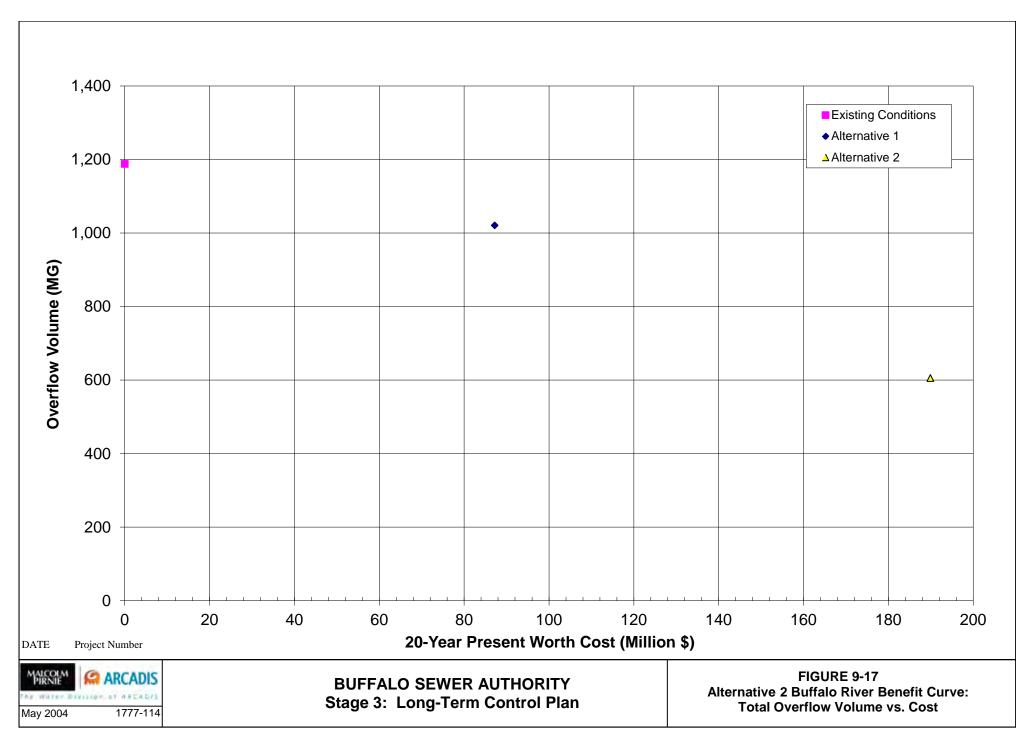


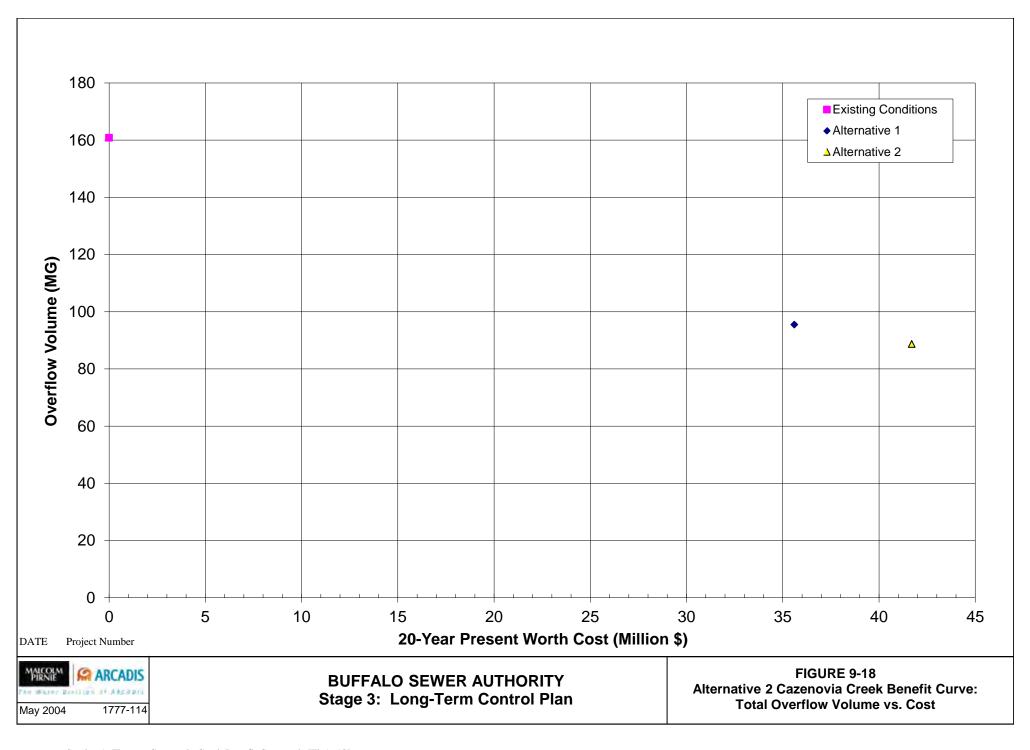


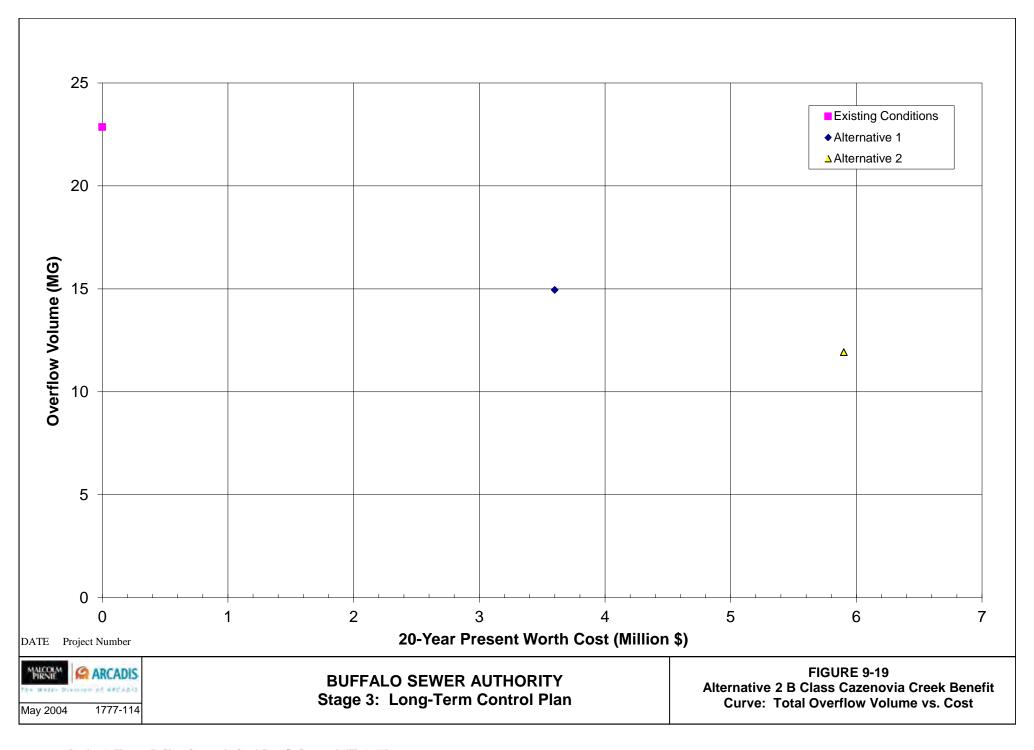


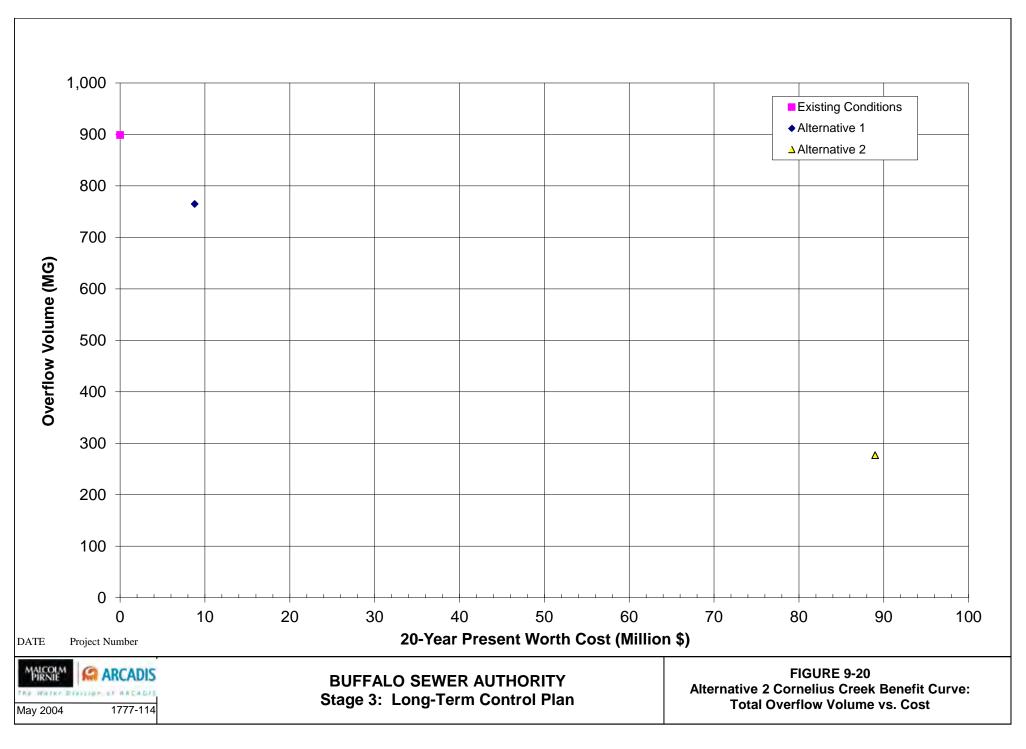


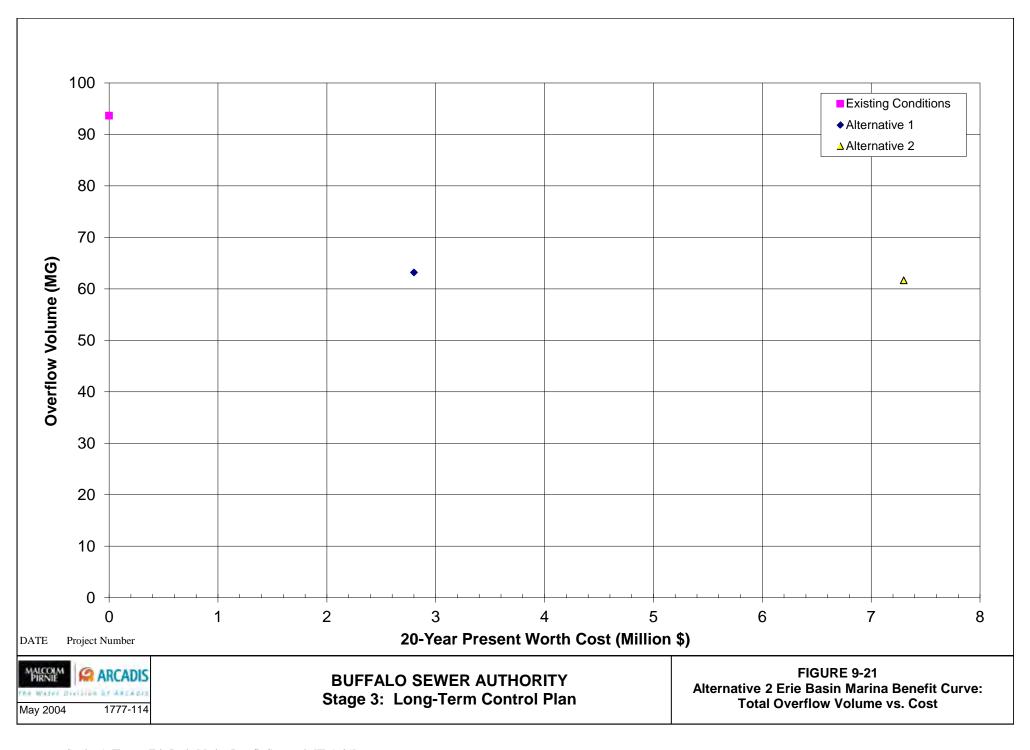


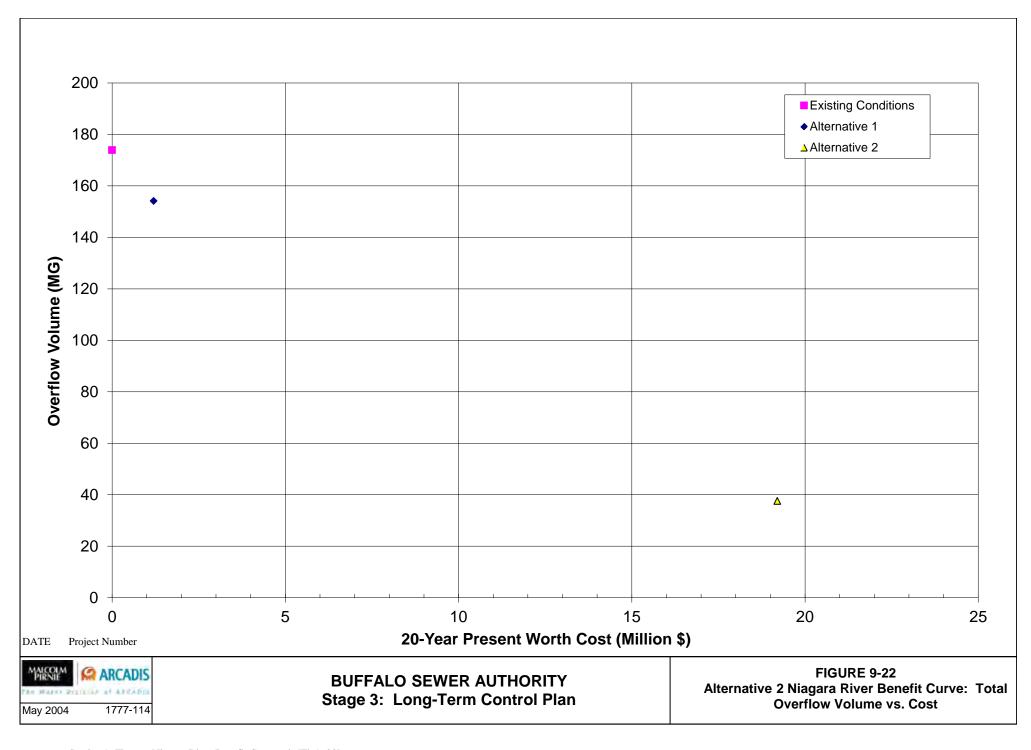


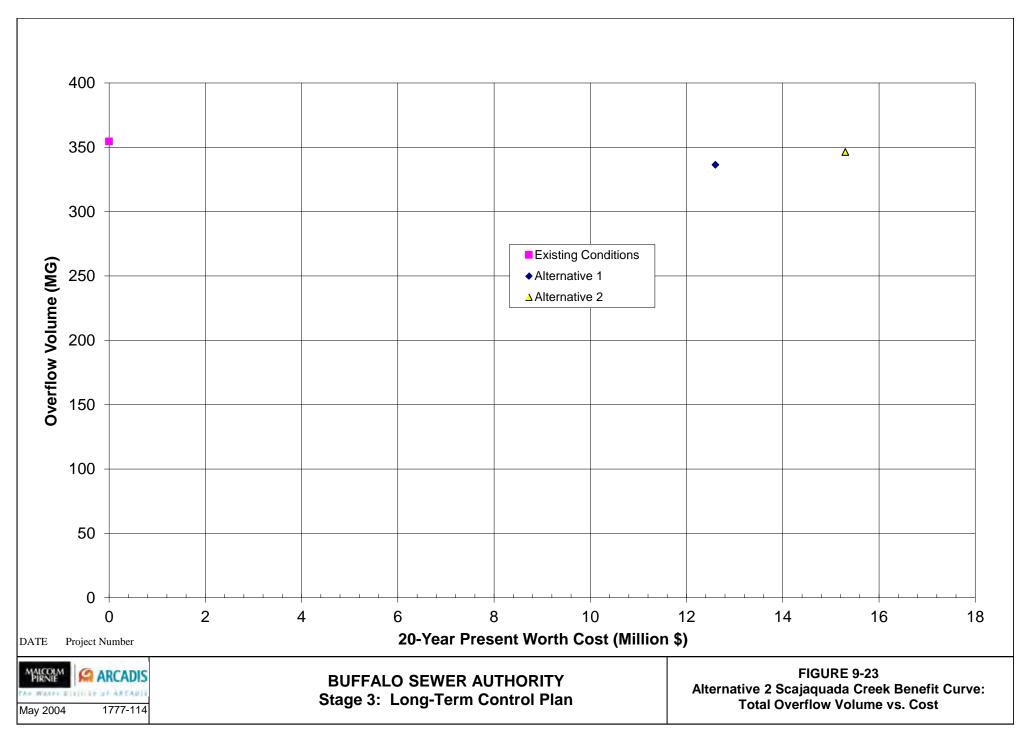


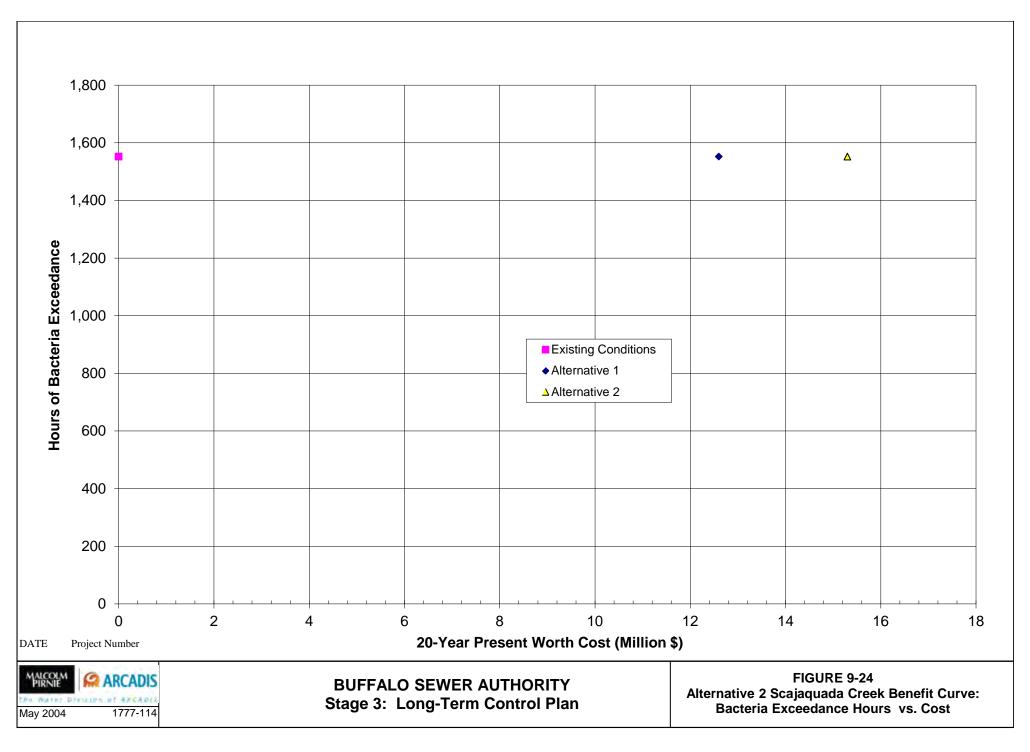


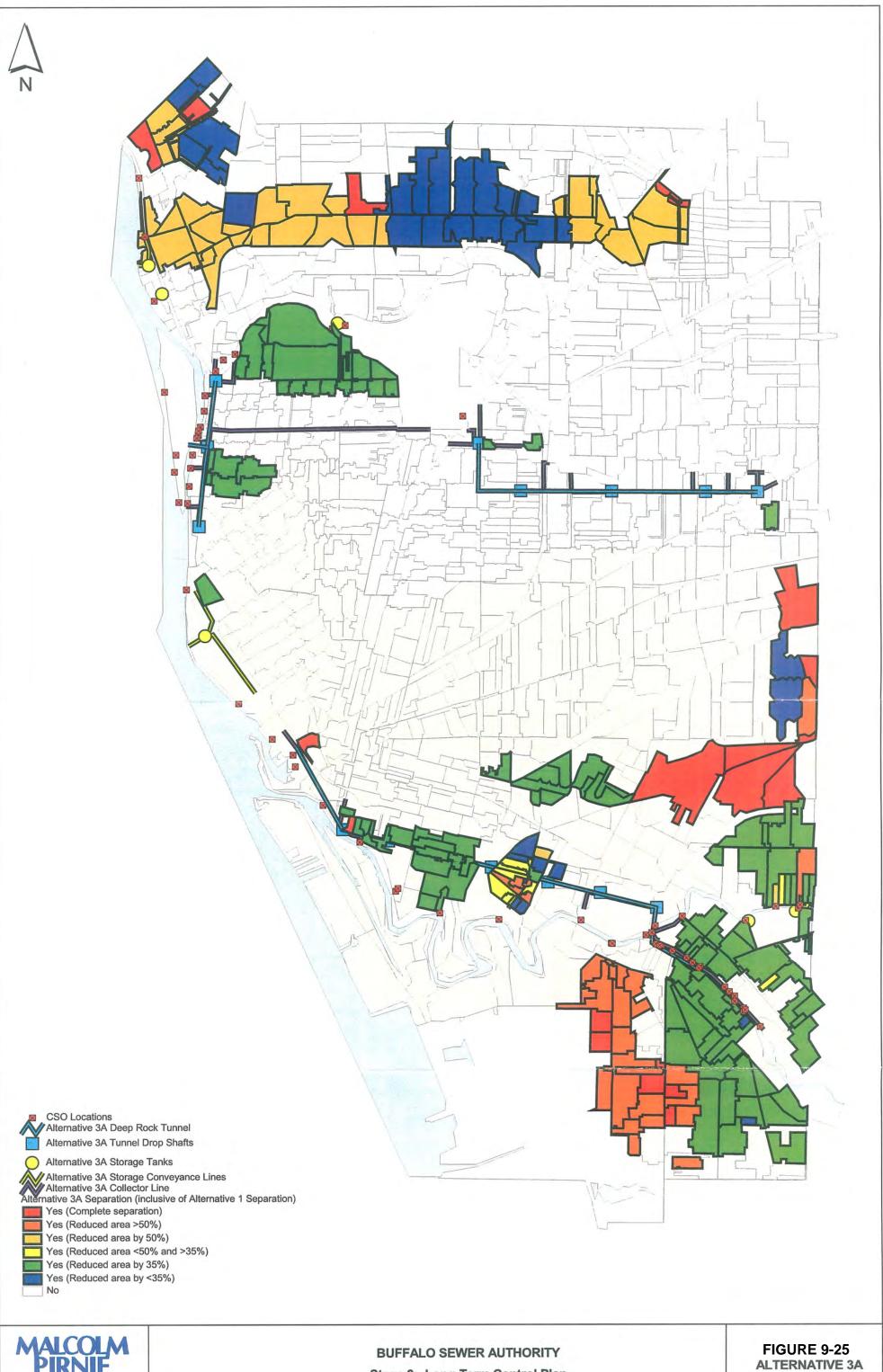






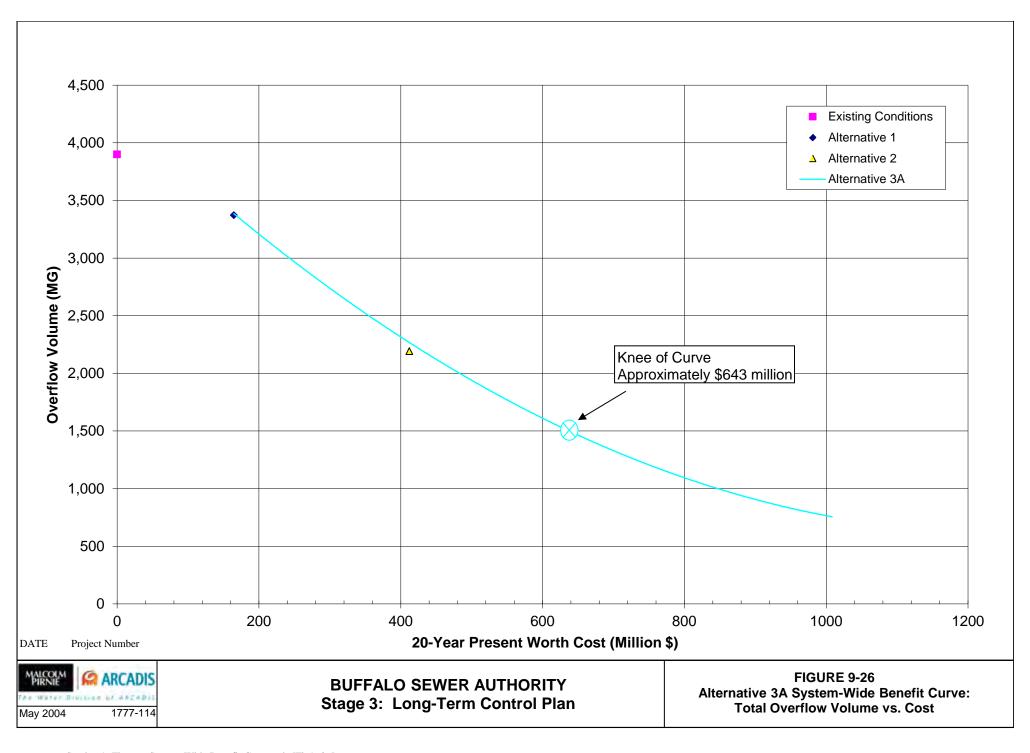


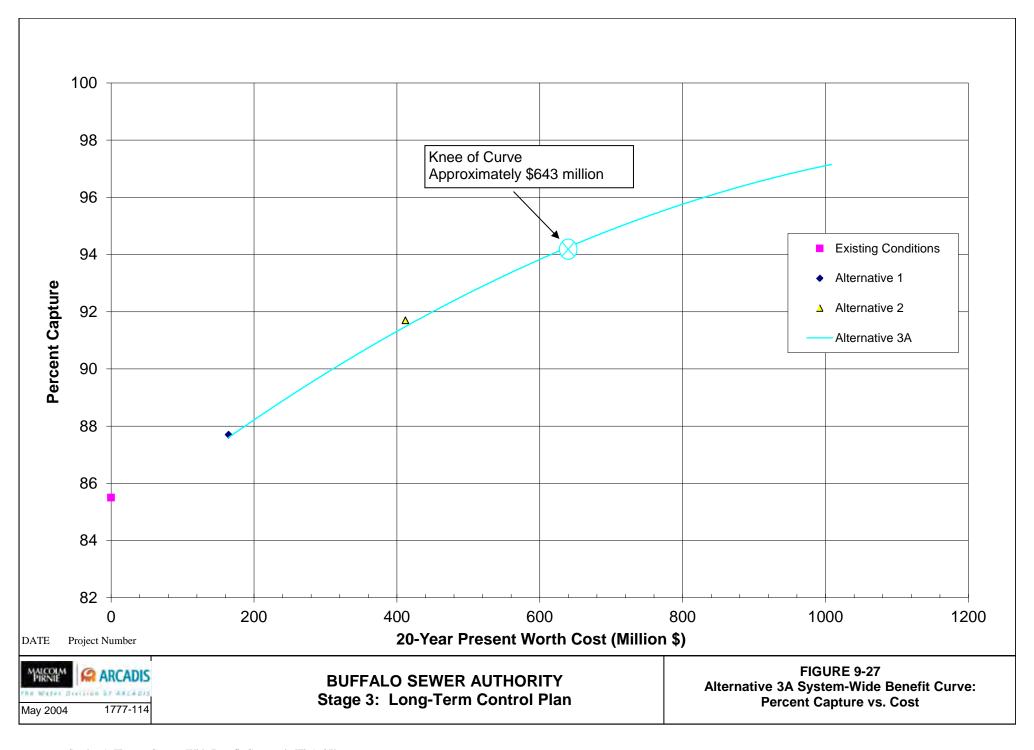


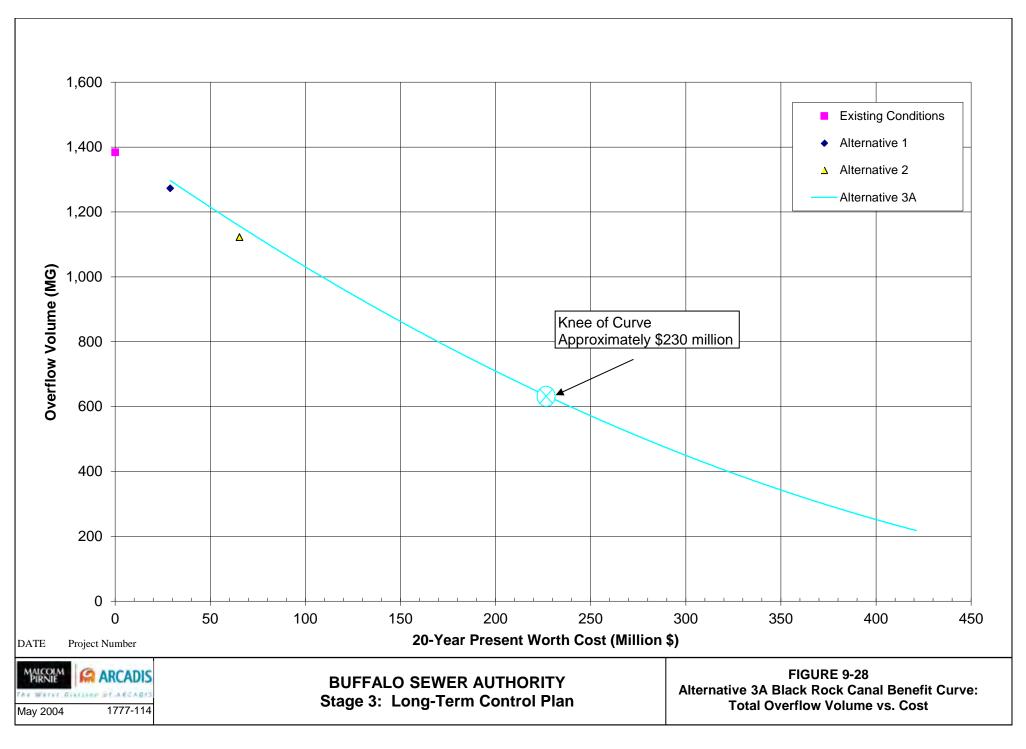


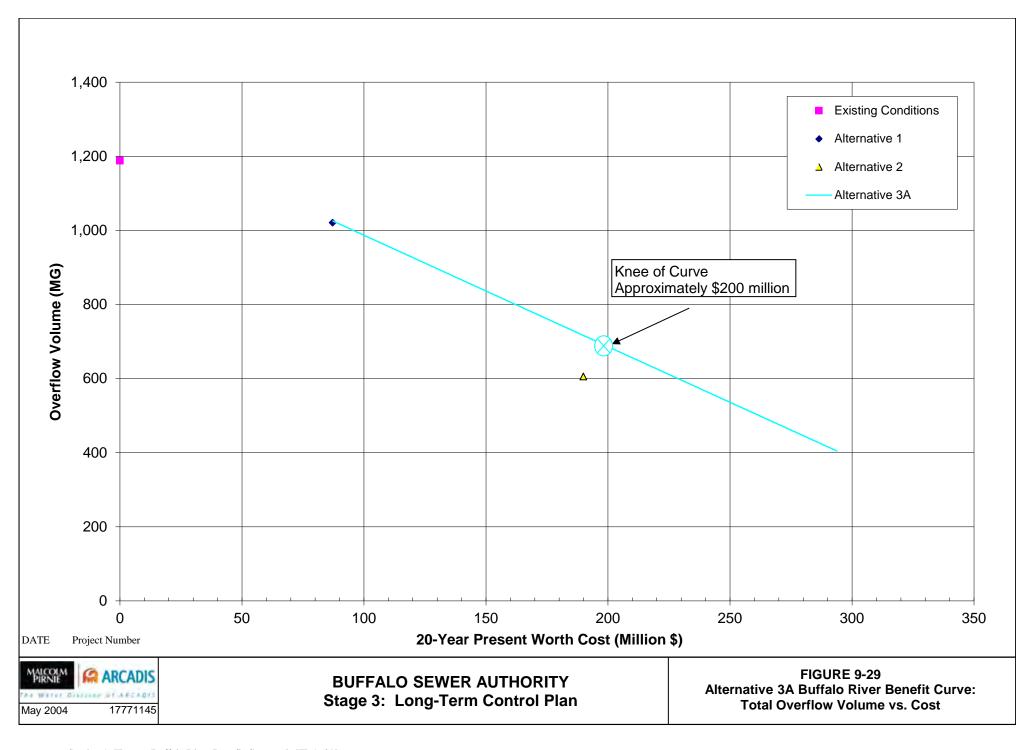


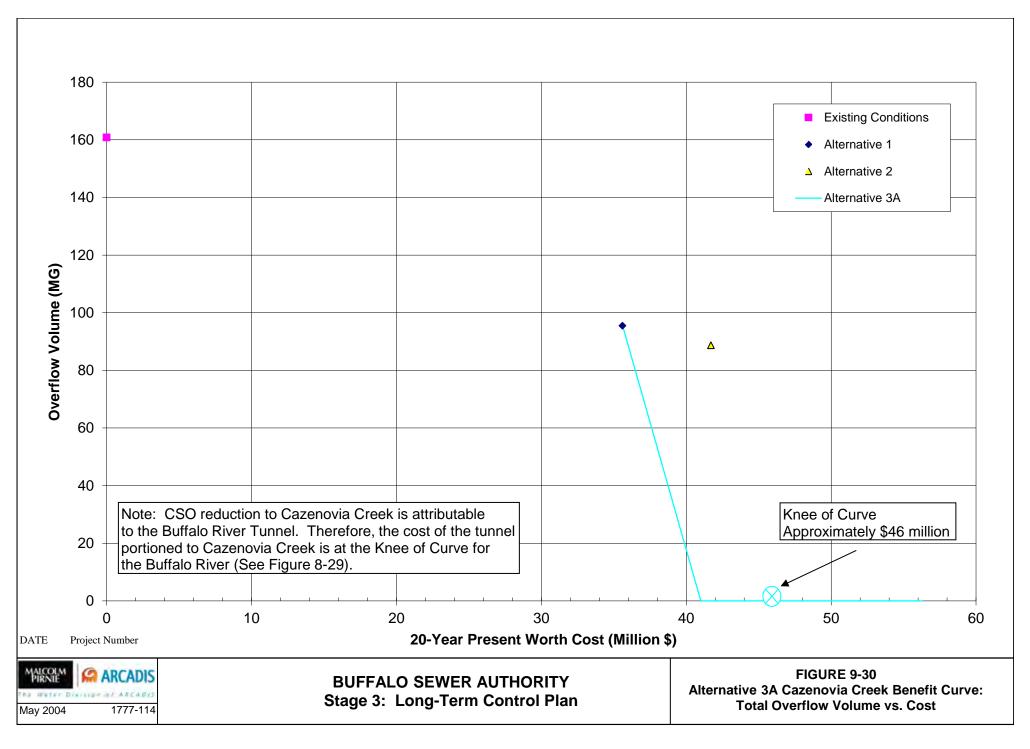
Stage 3: Long-Term Control Plan

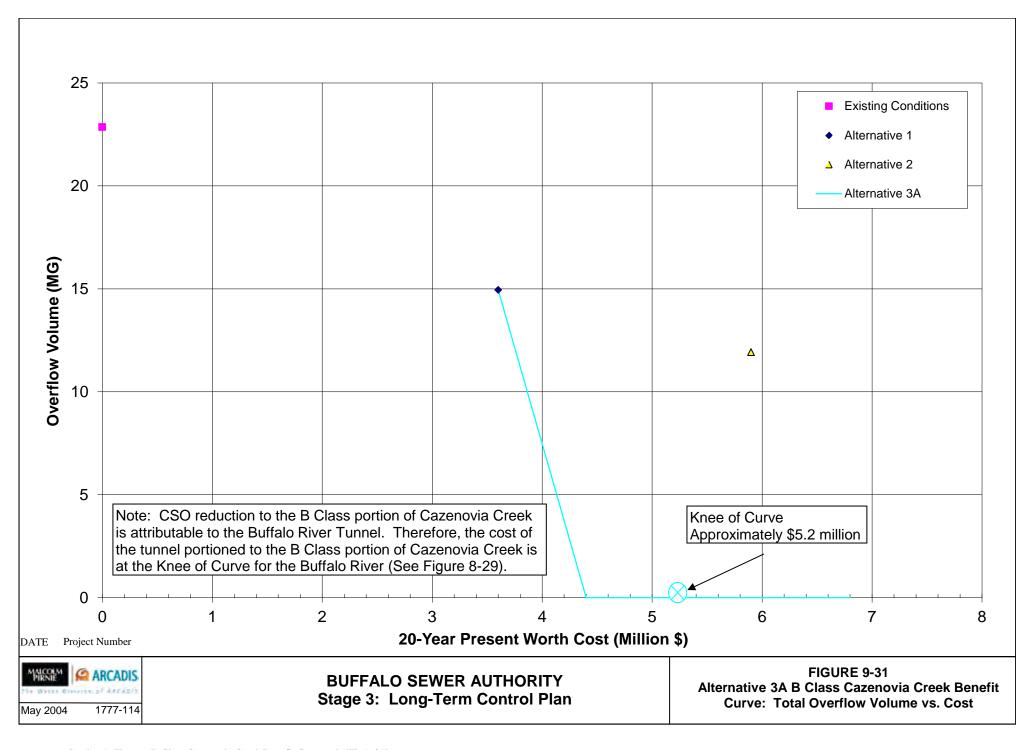


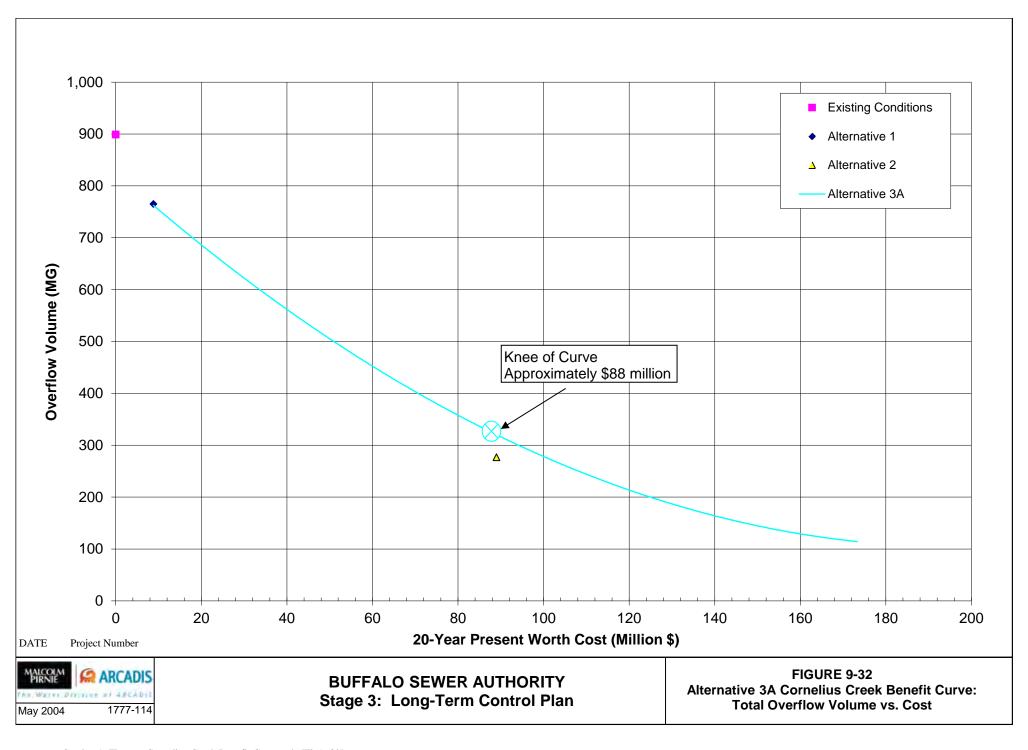


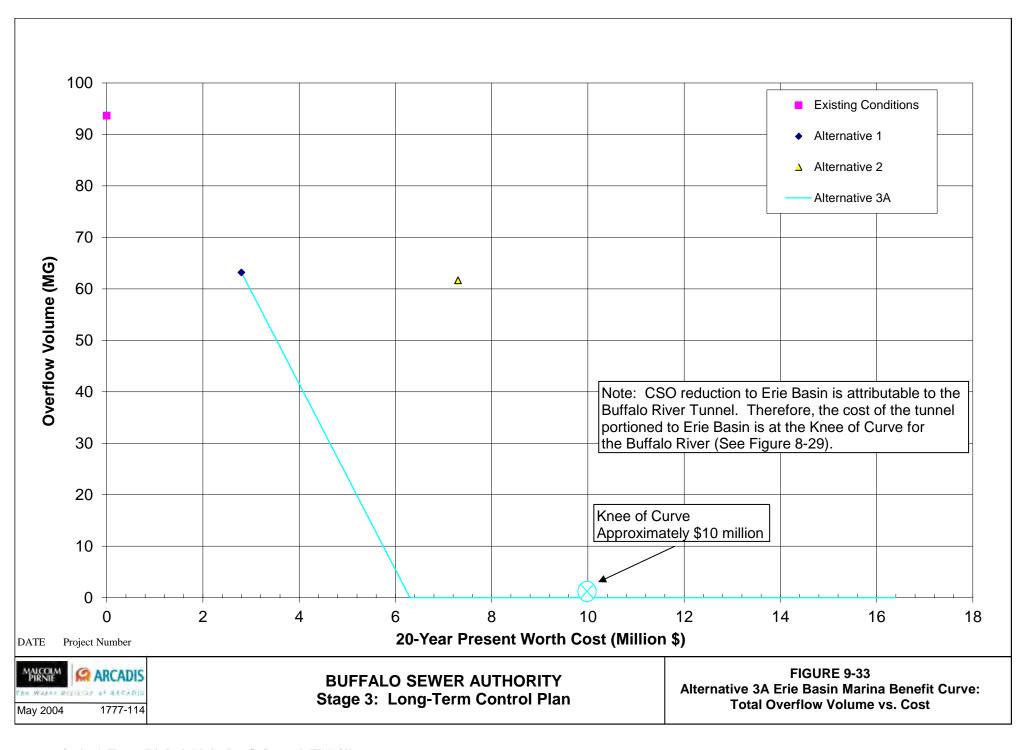


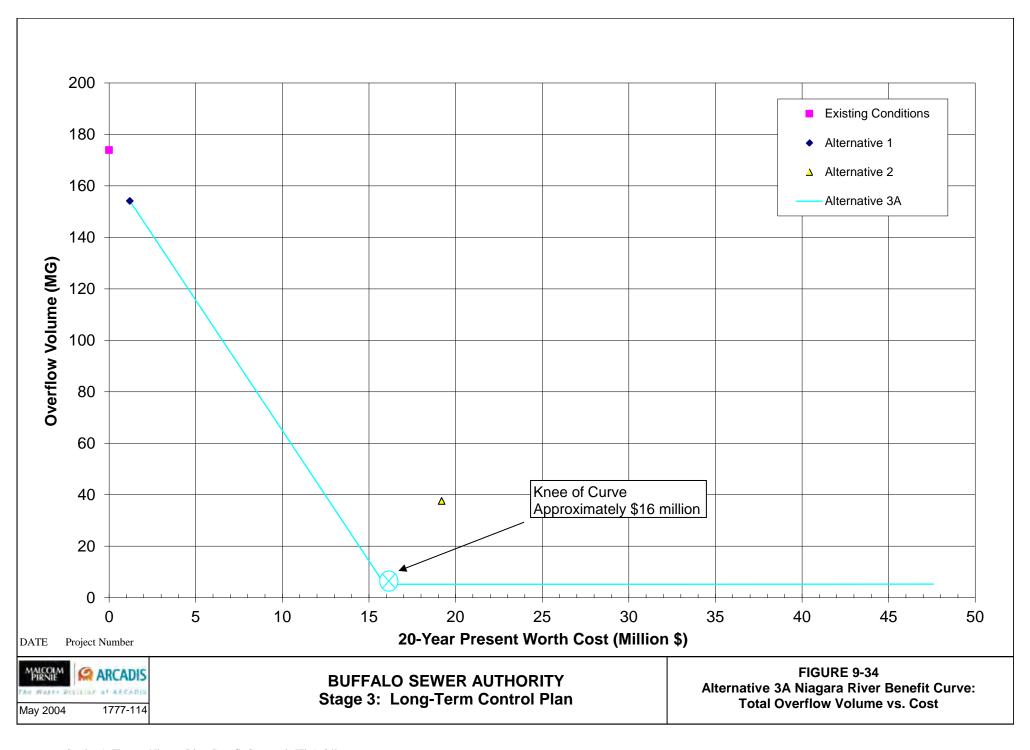


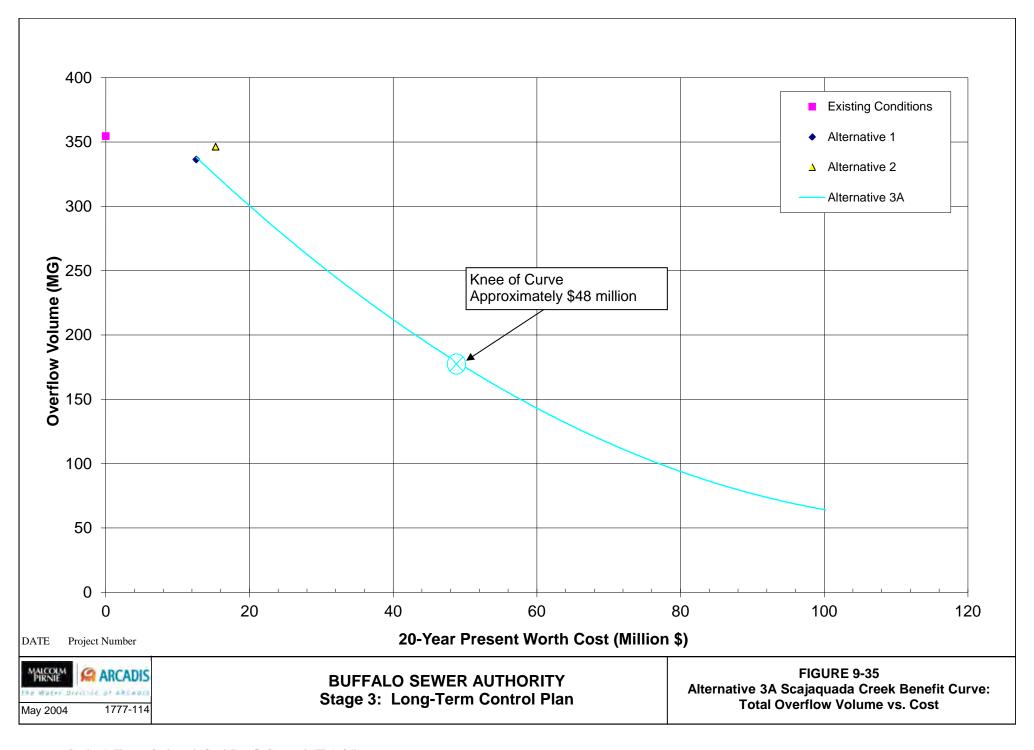


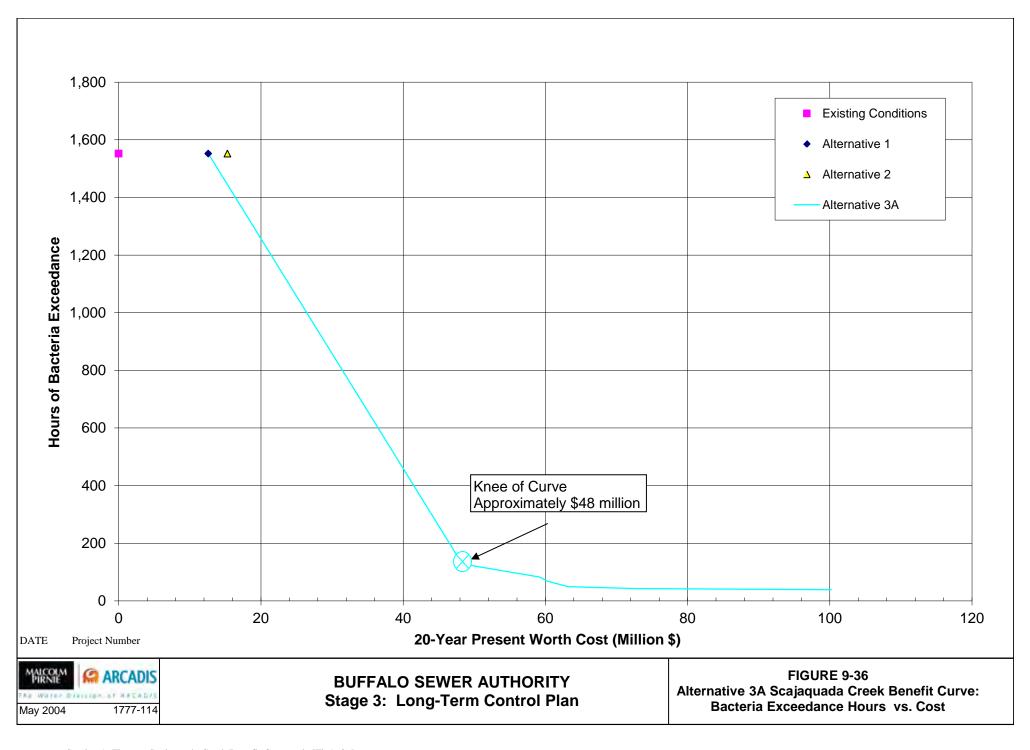


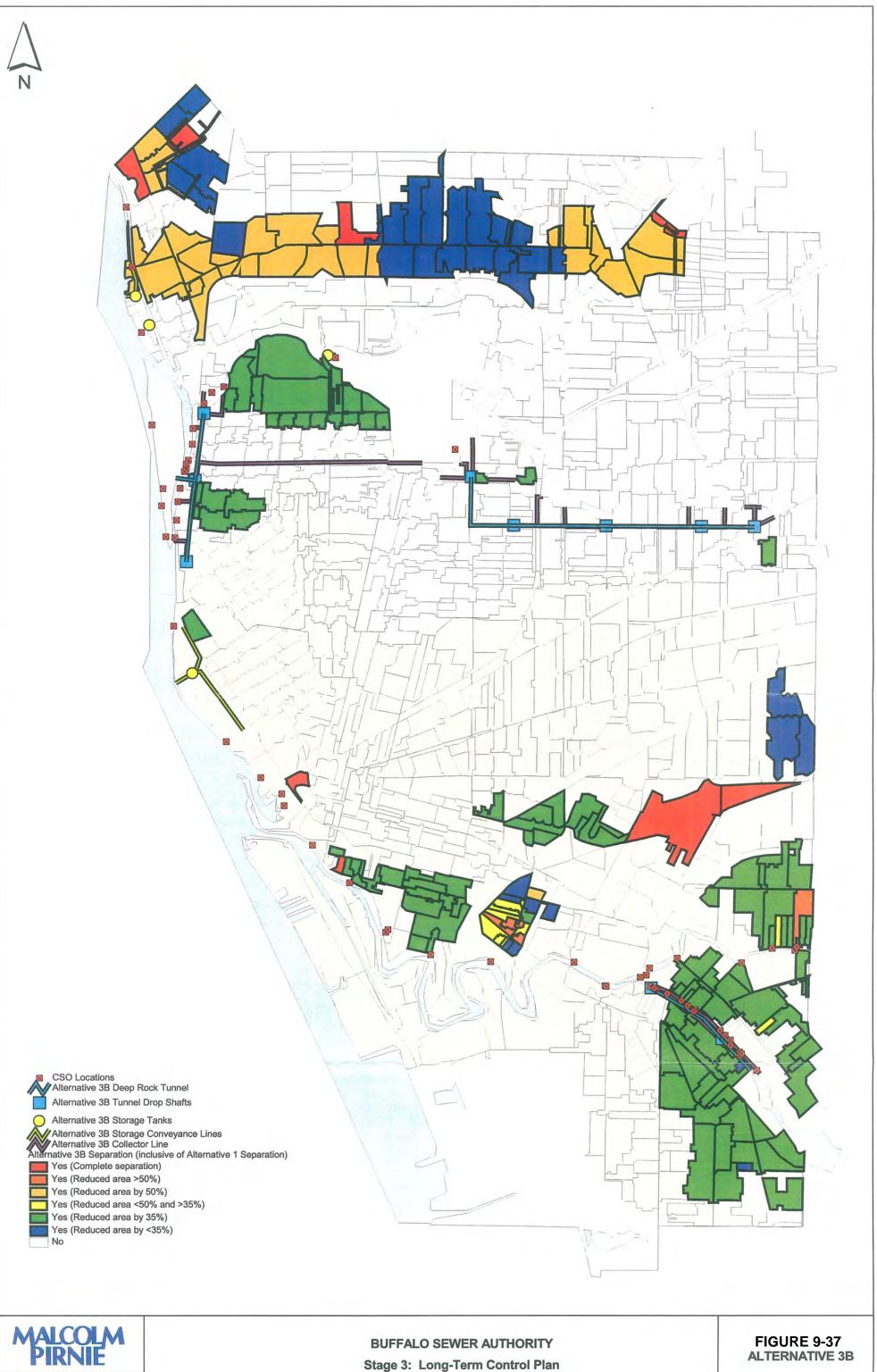




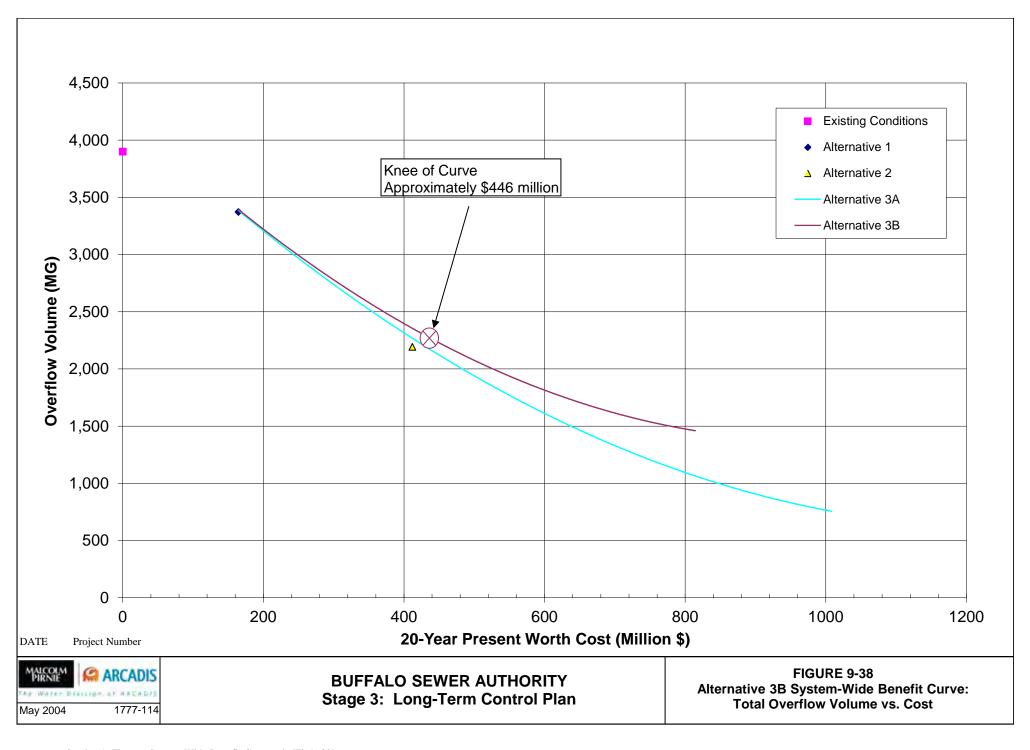


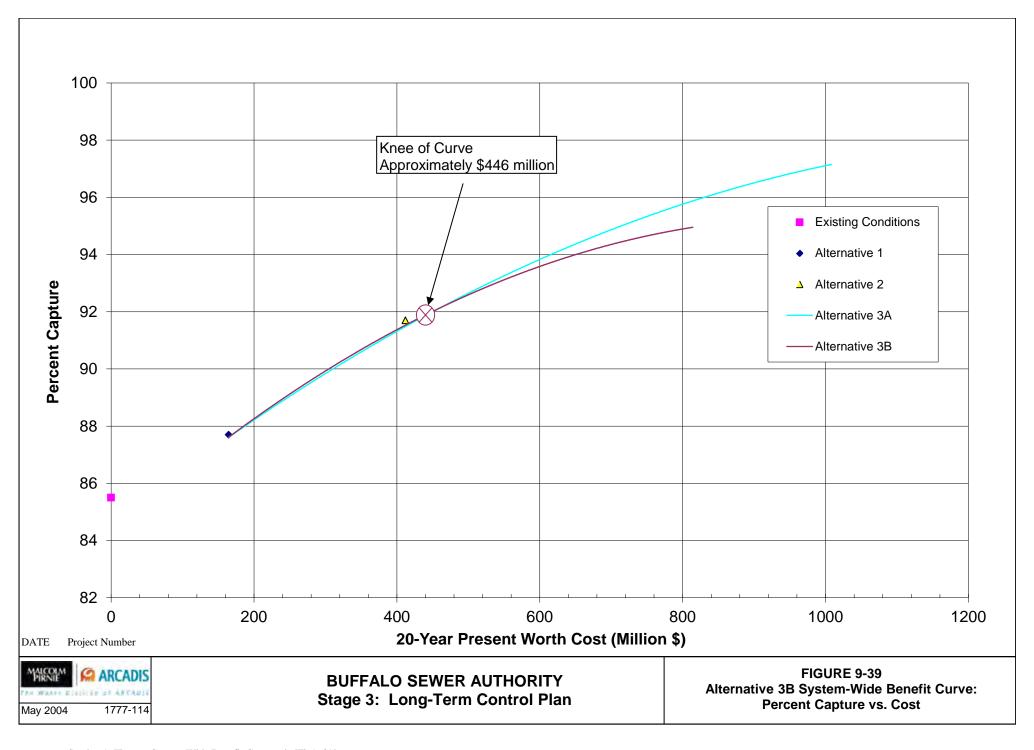


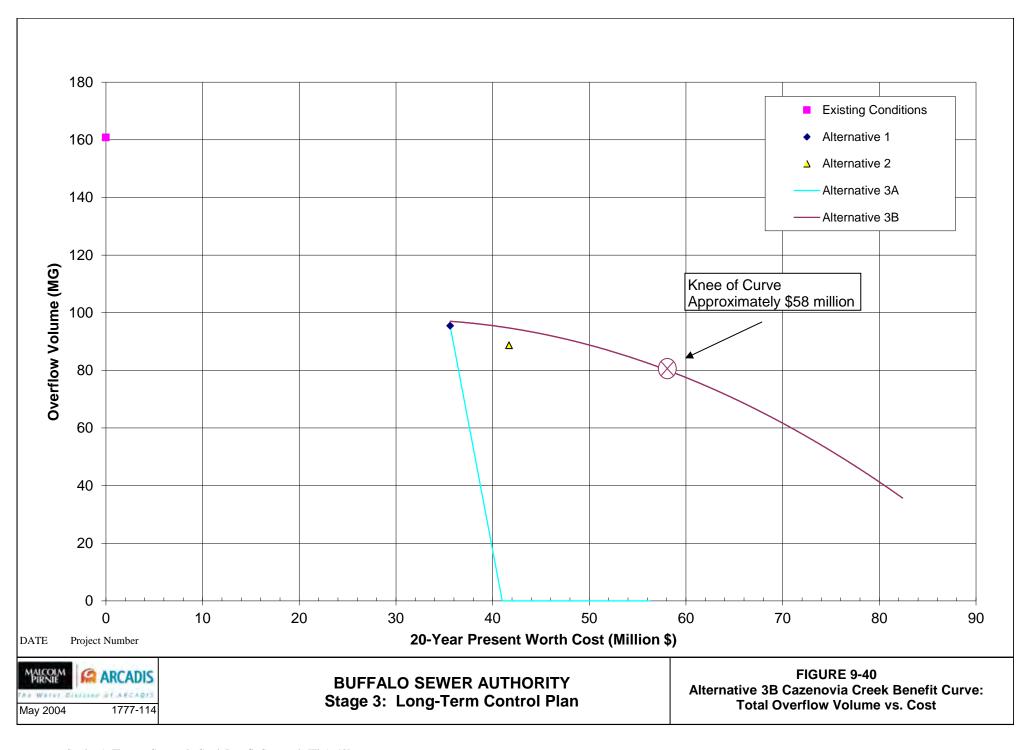


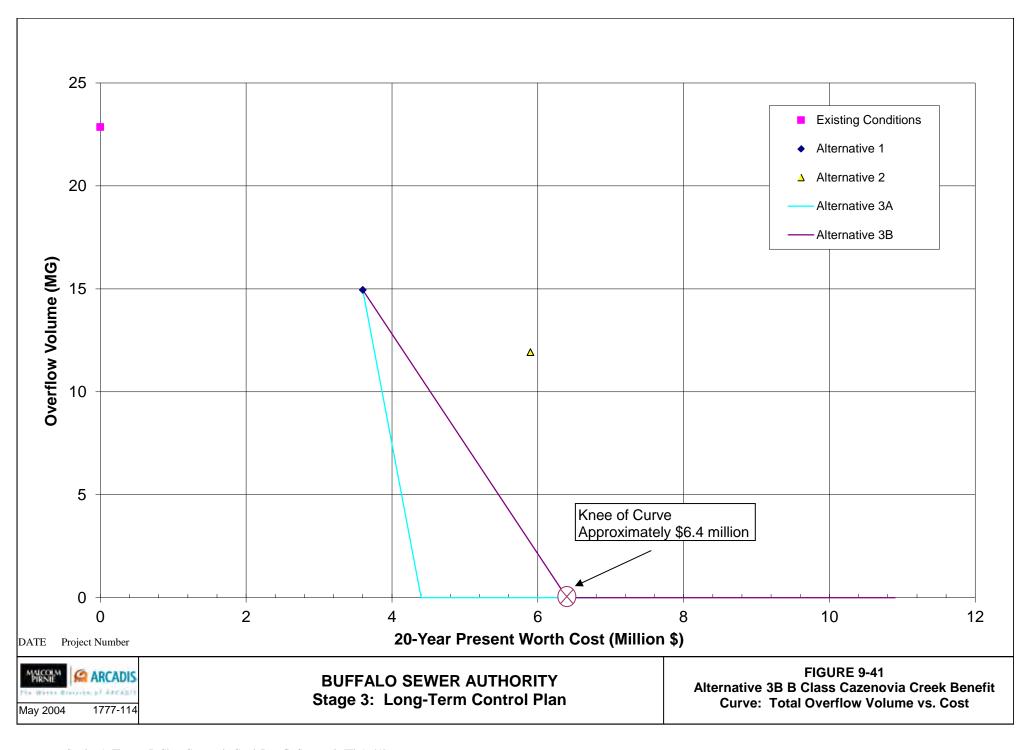


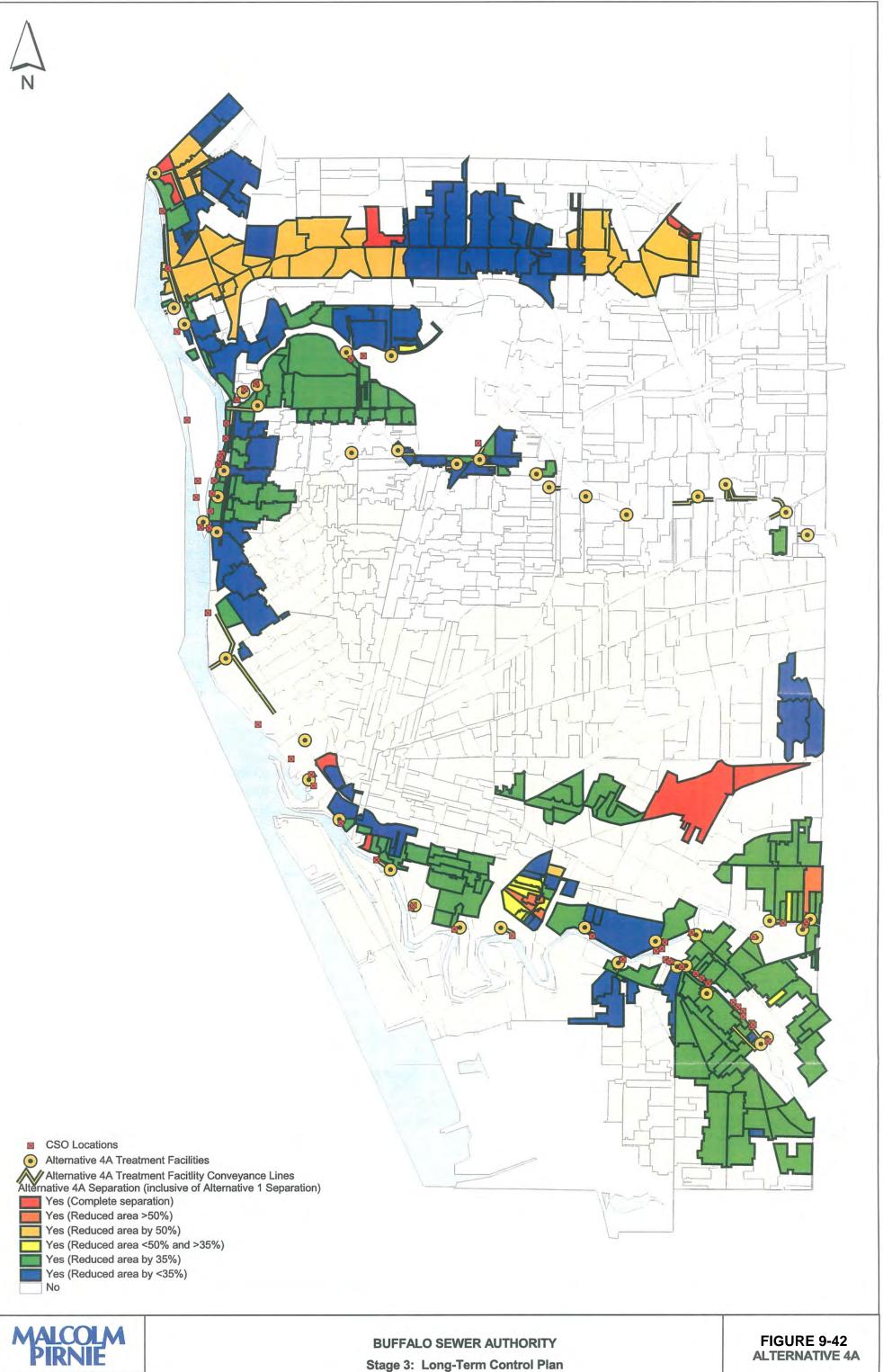
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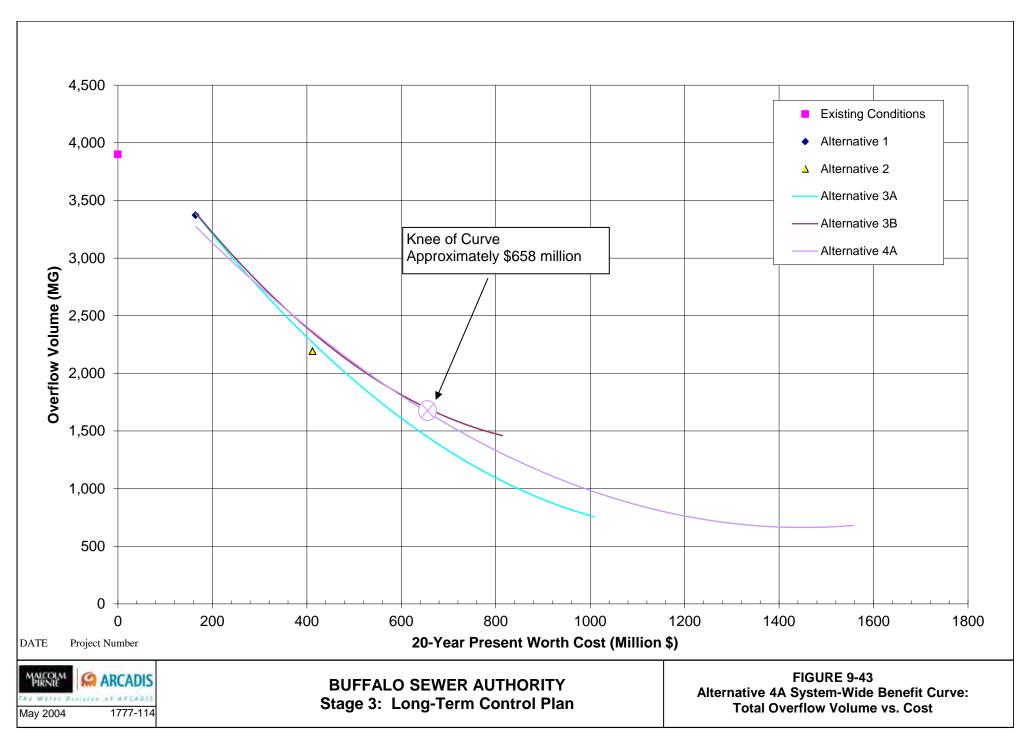


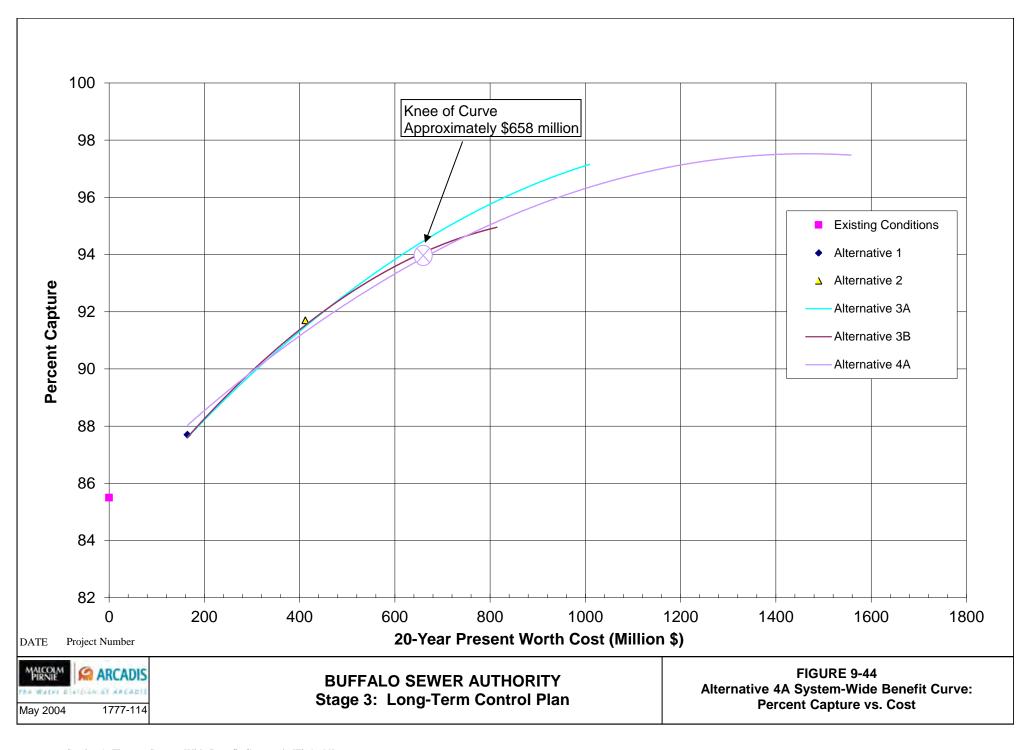


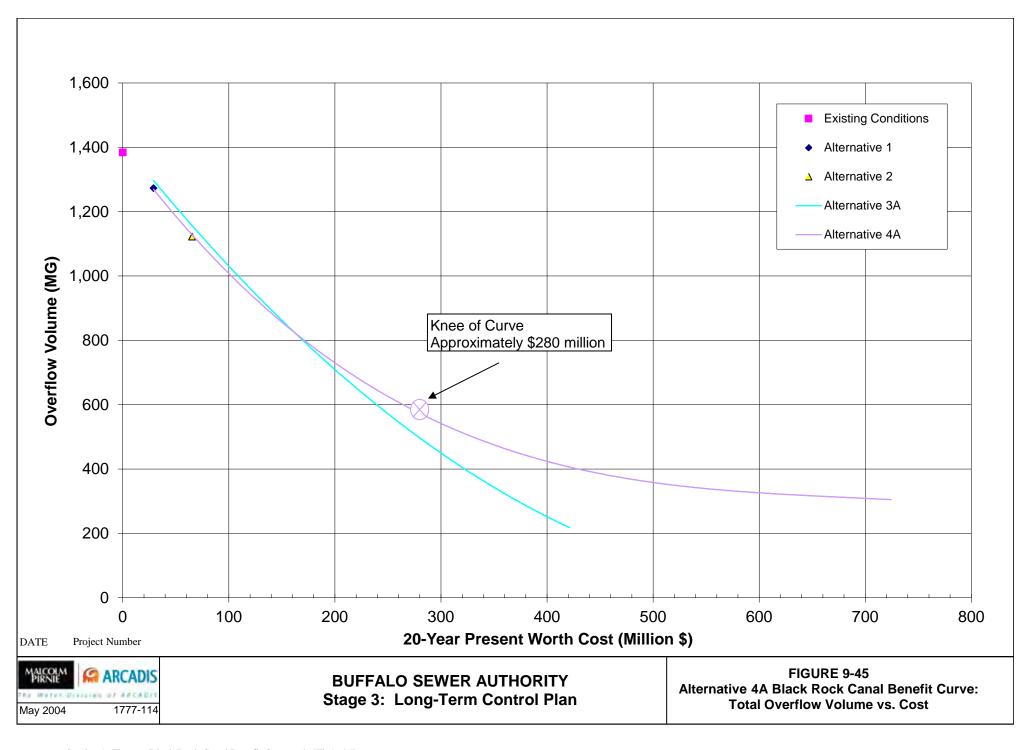


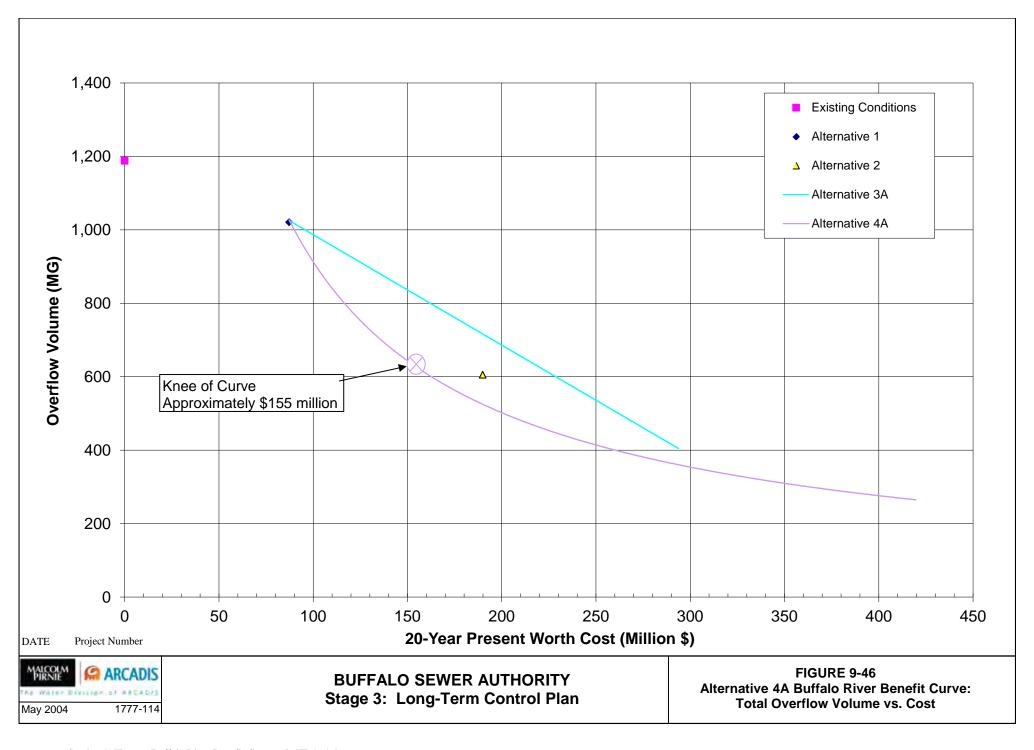


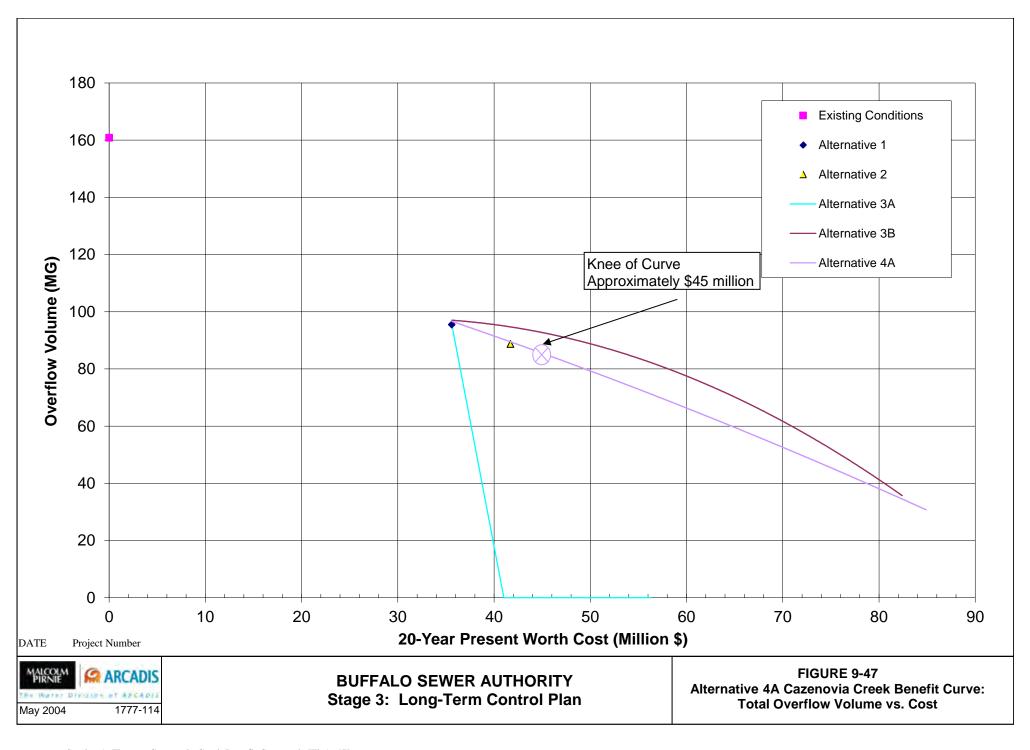


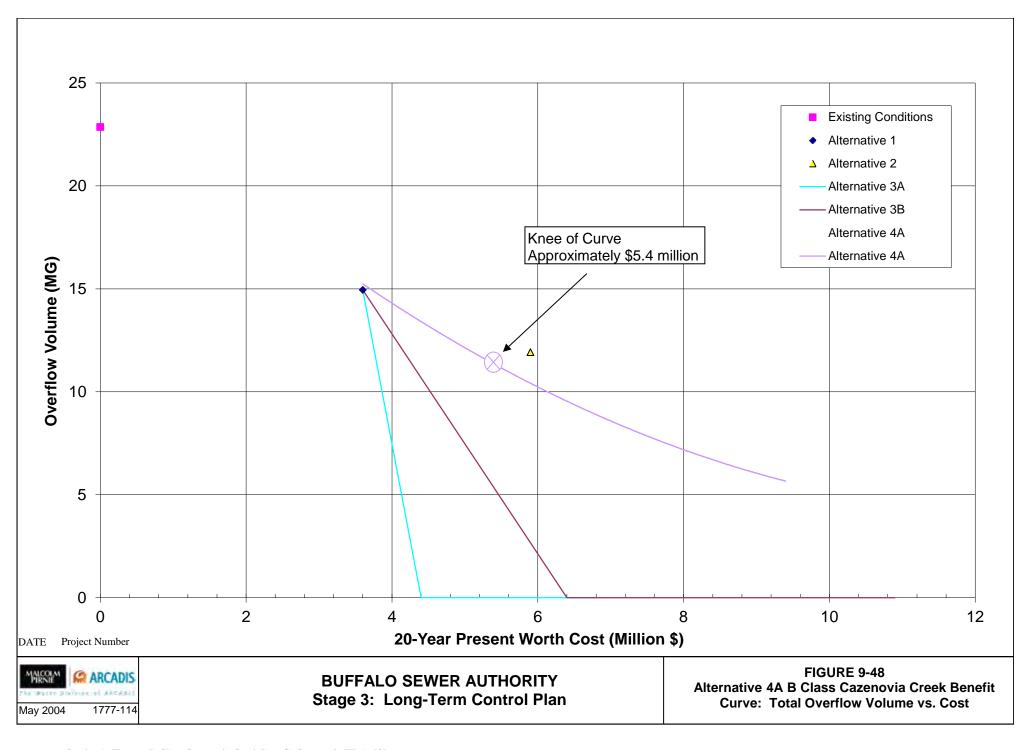


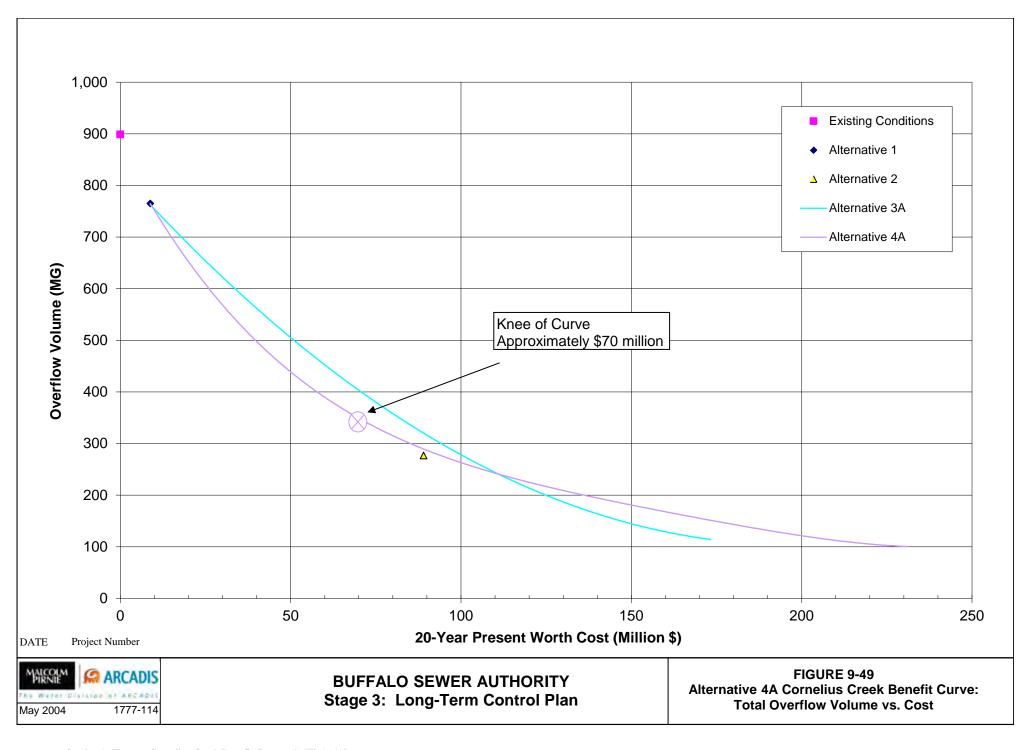


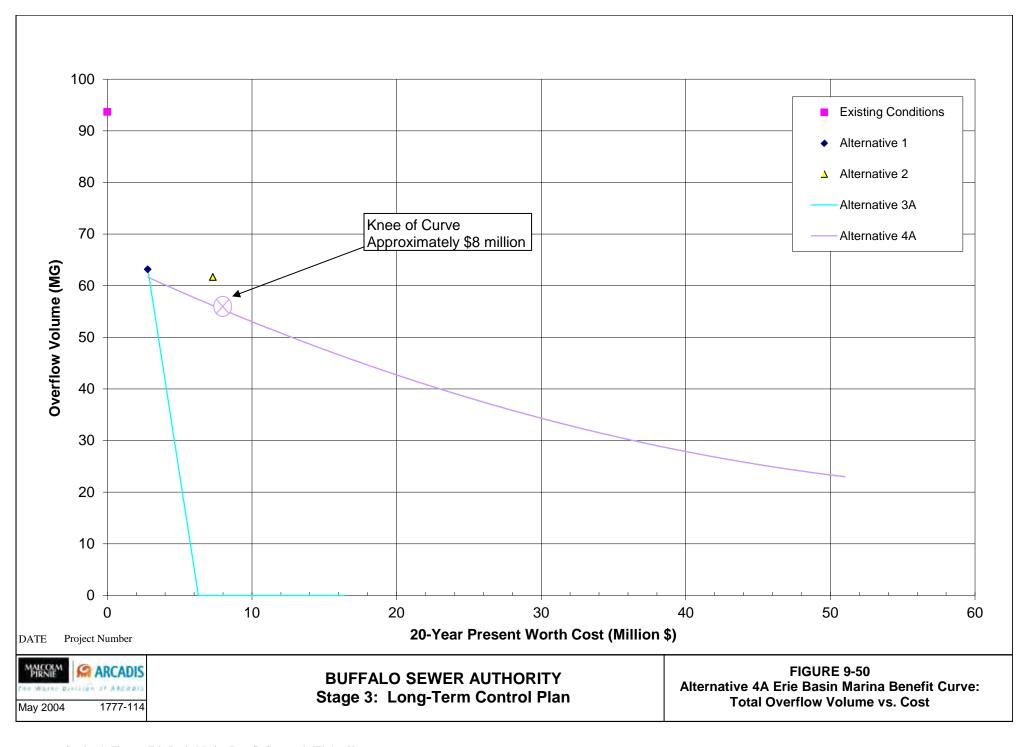


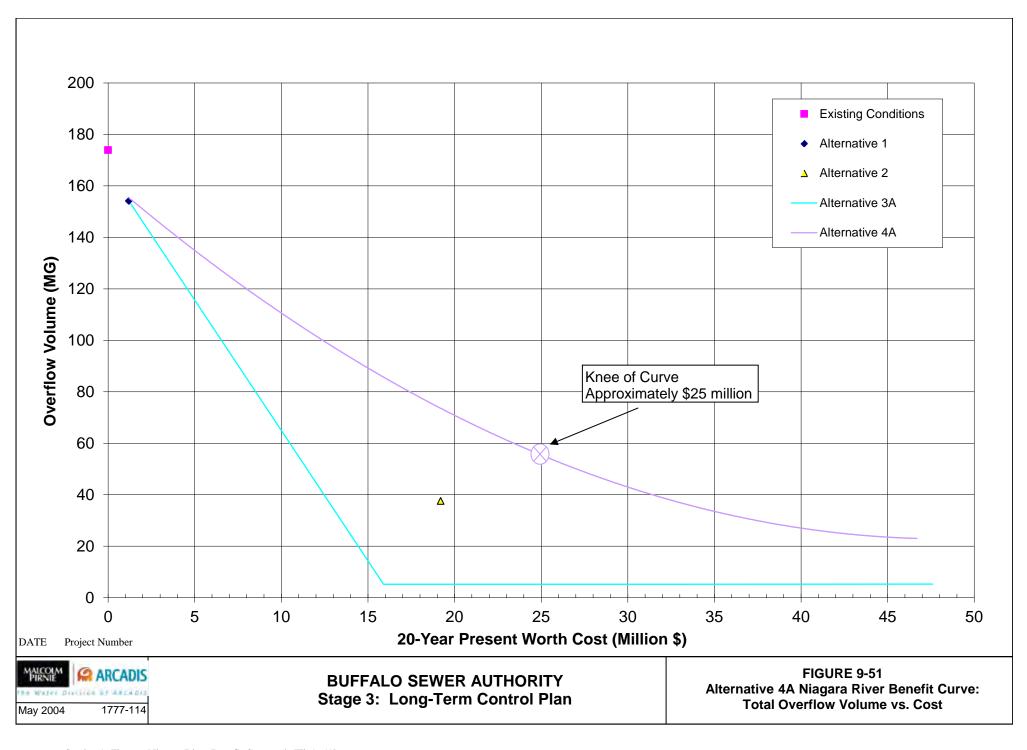


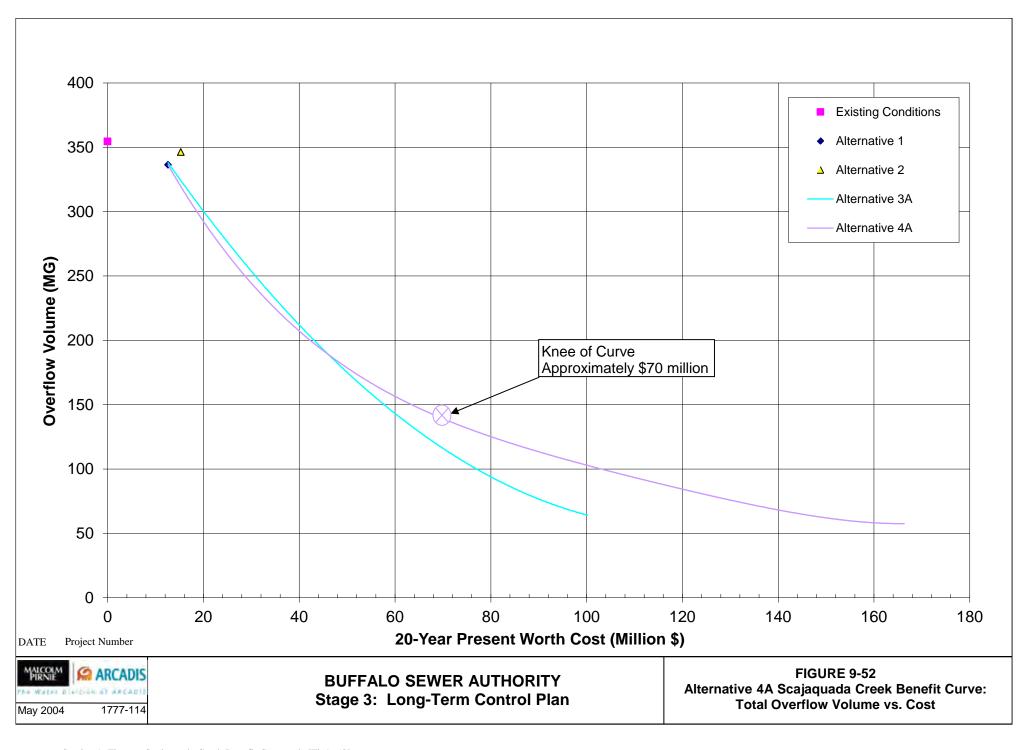


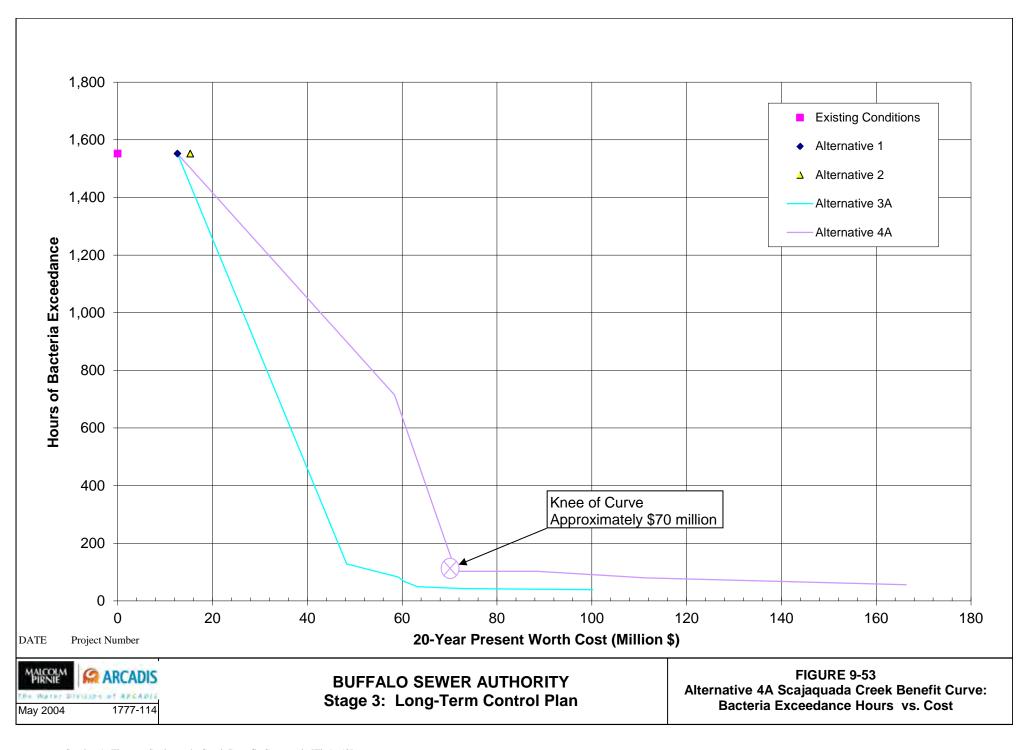


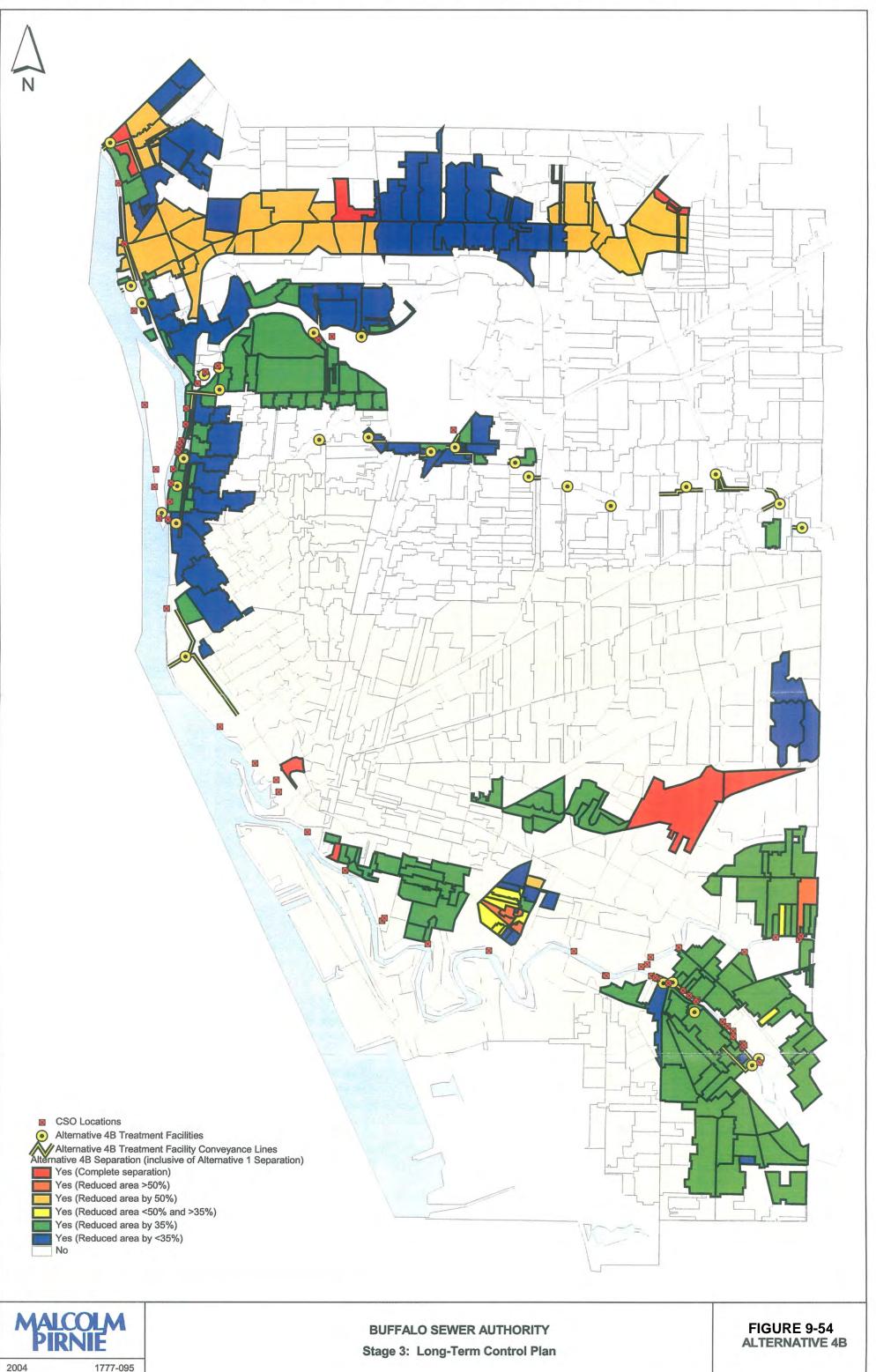




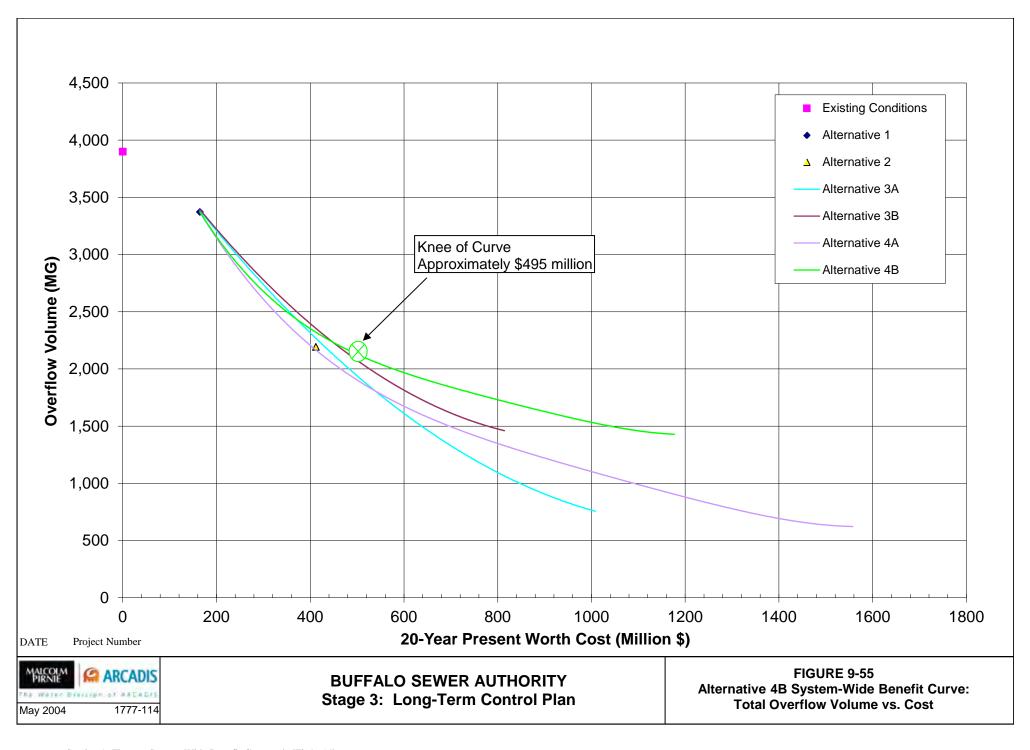


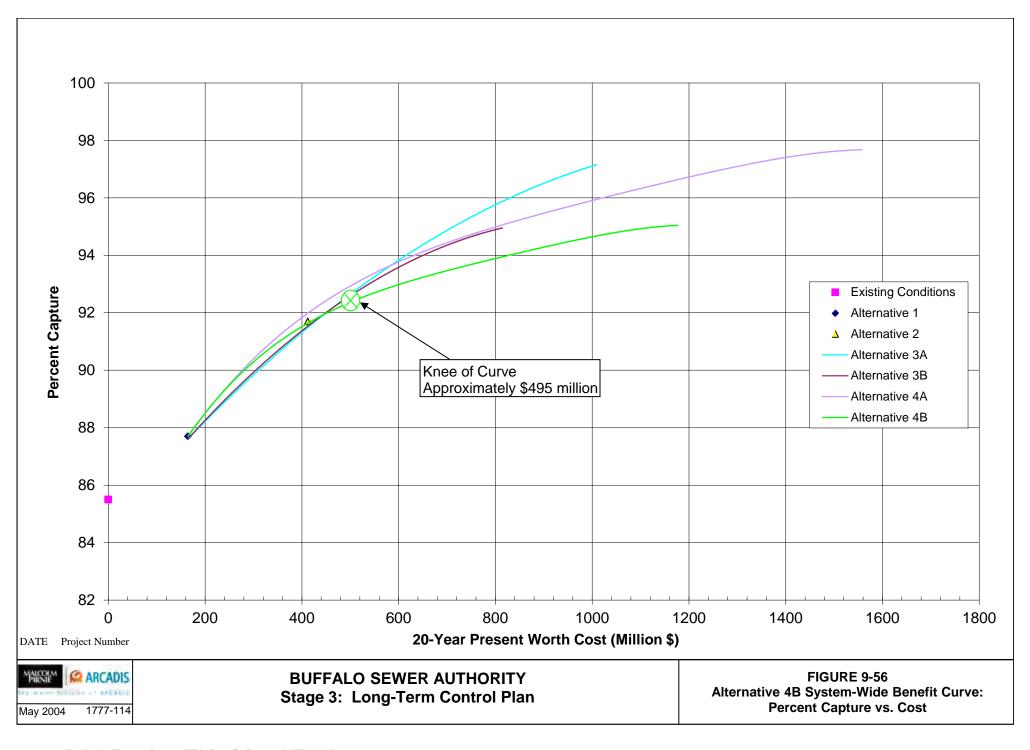


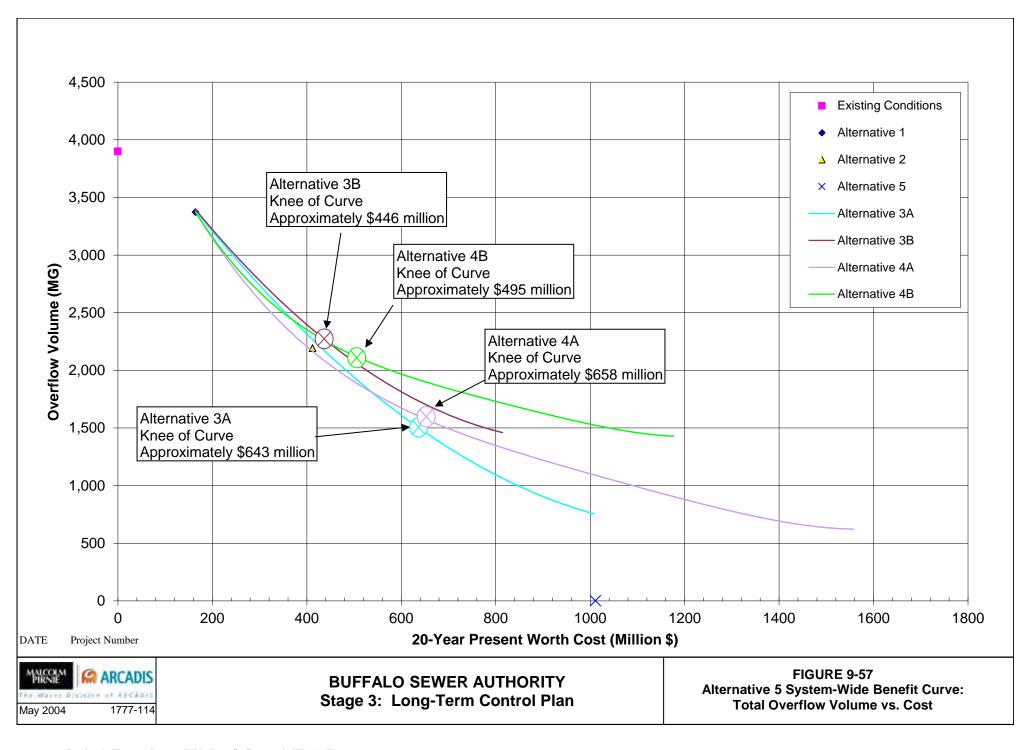


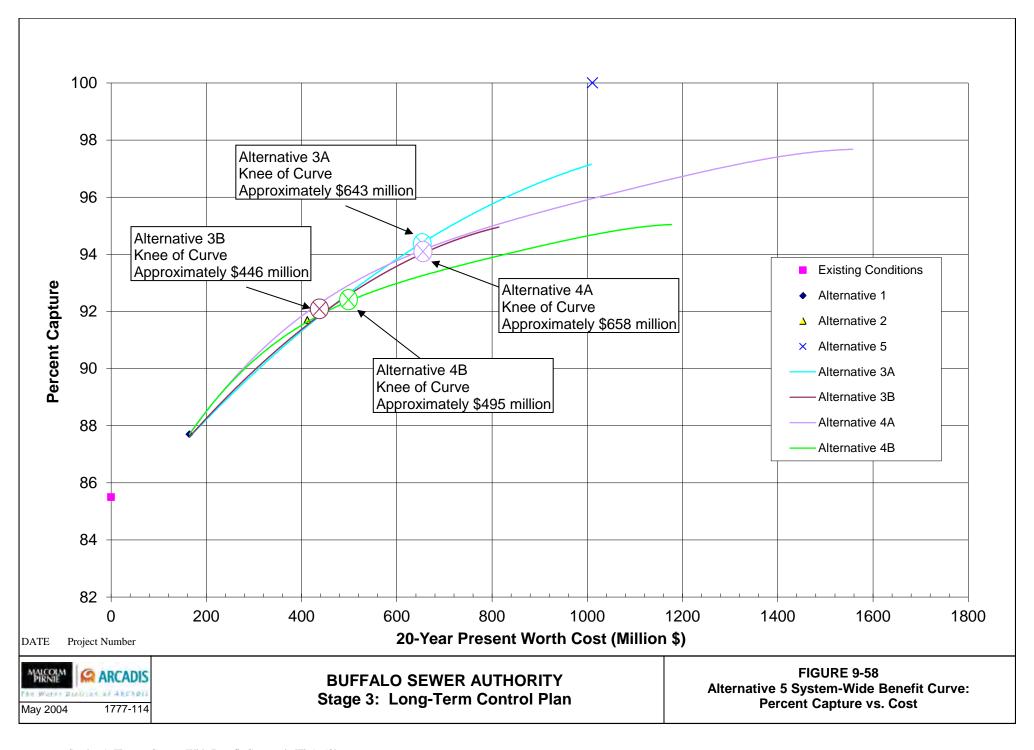


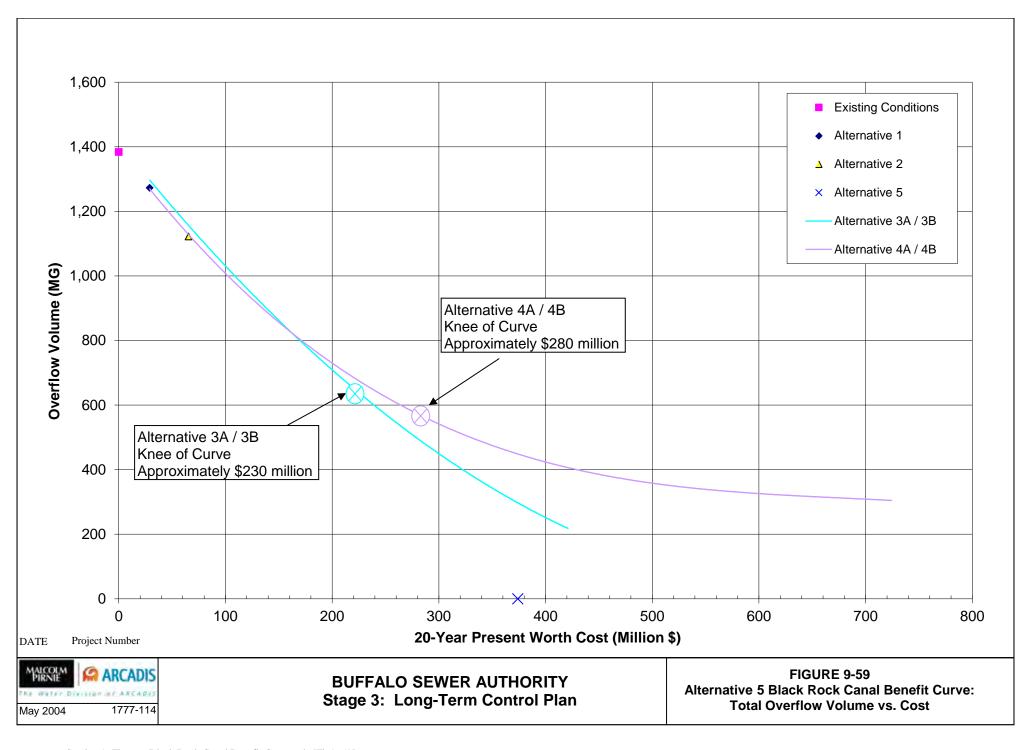
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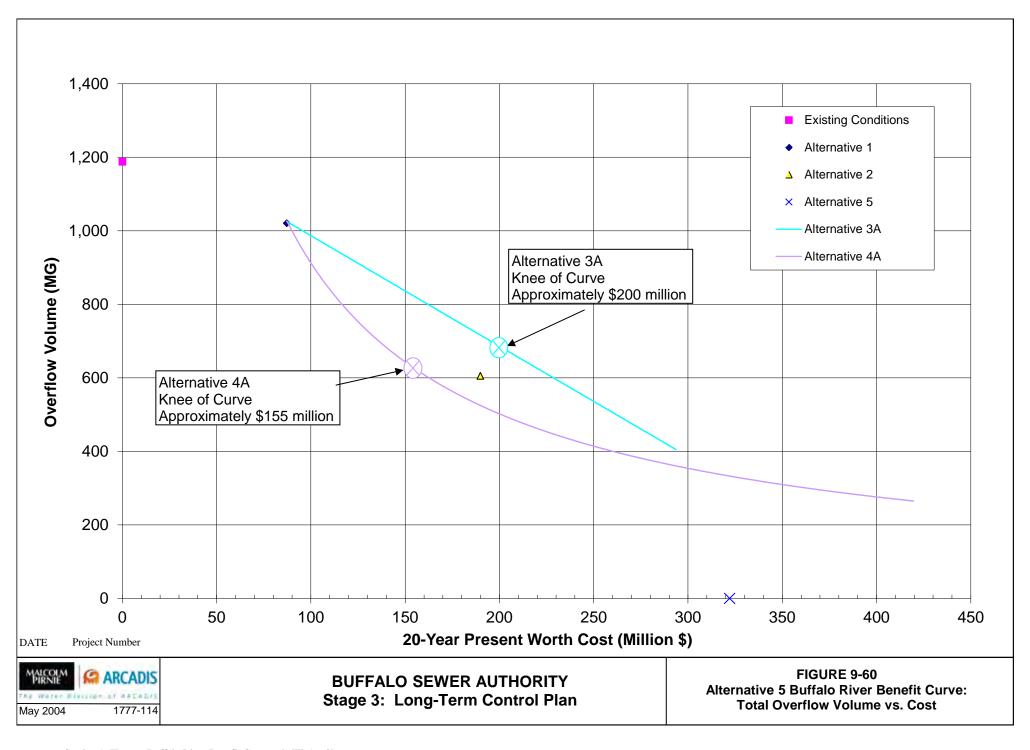


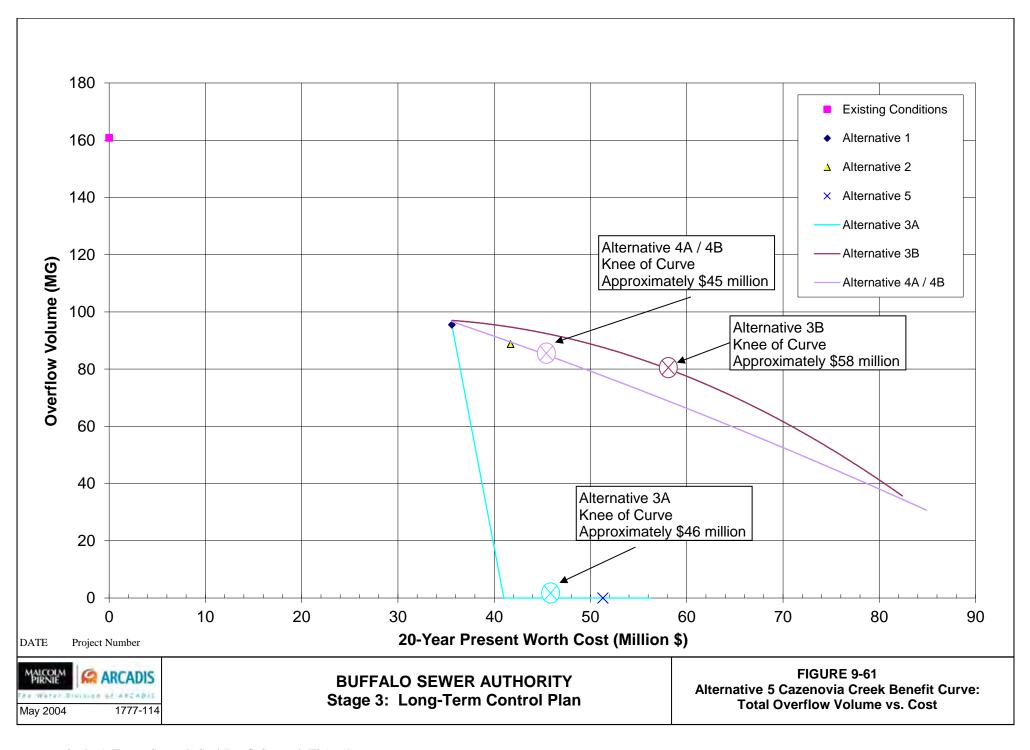


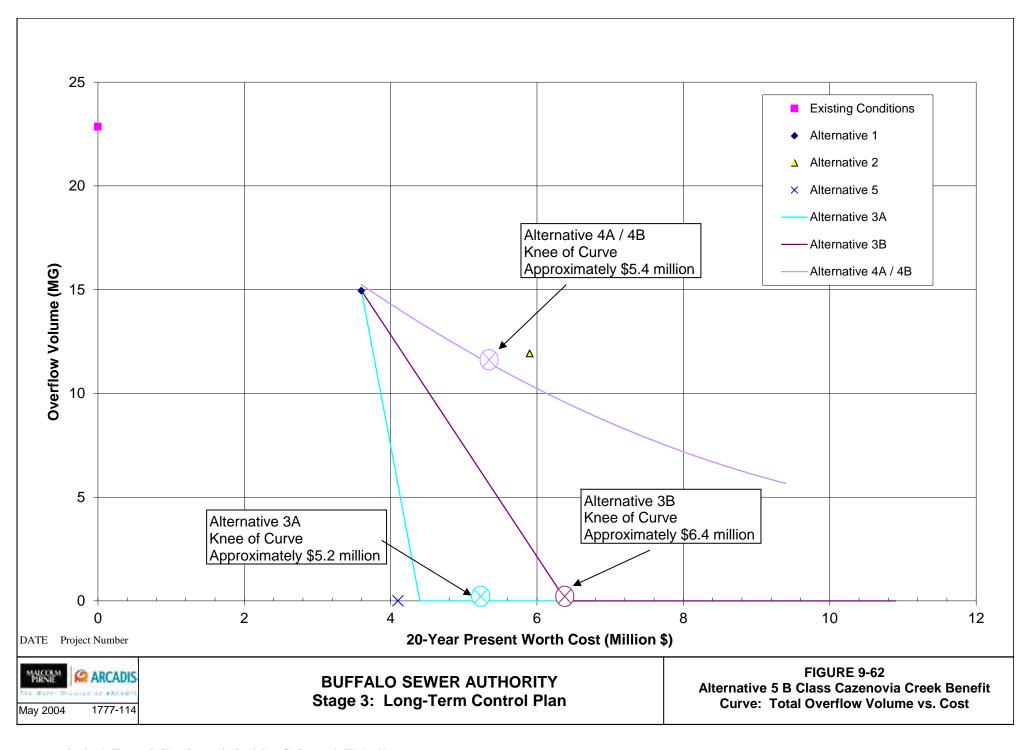


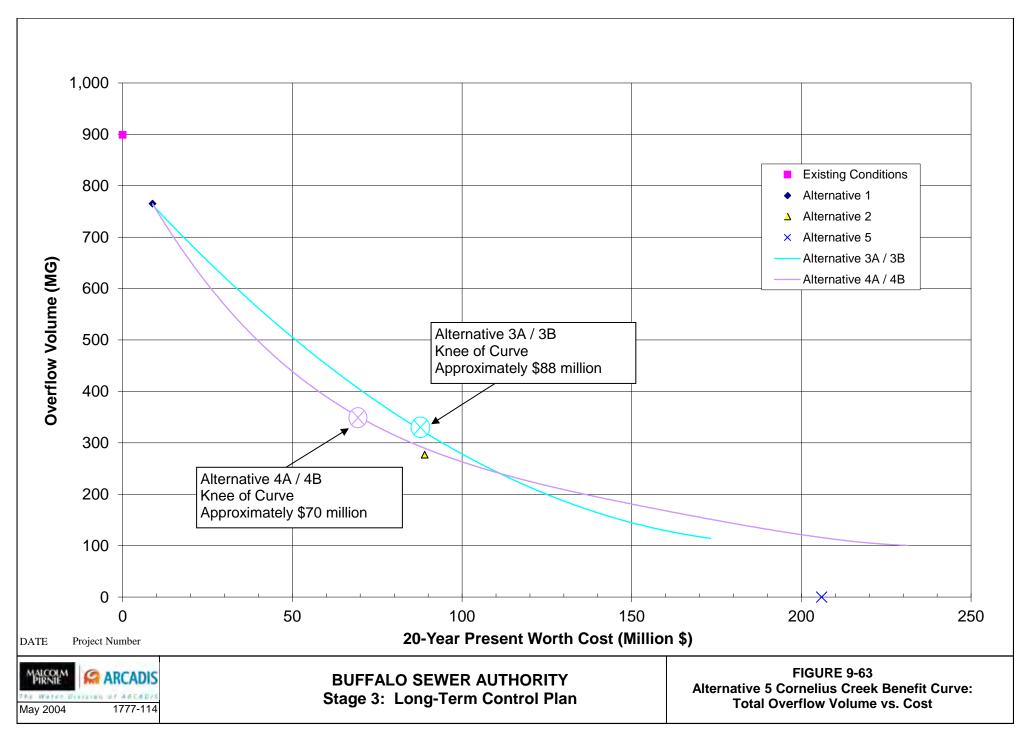


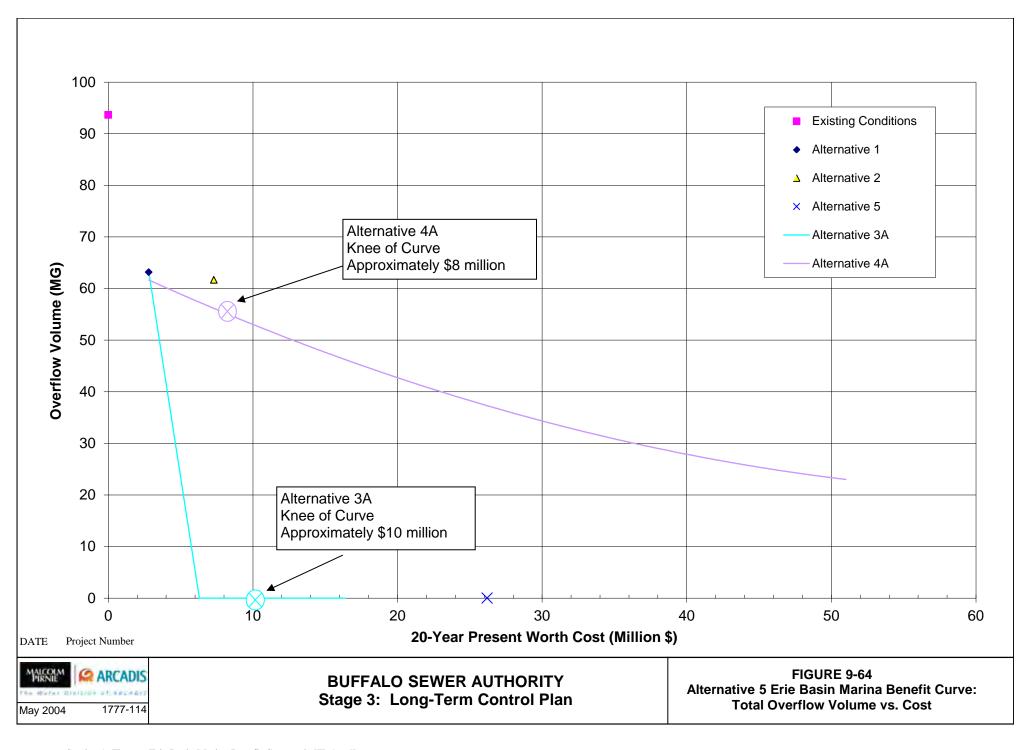


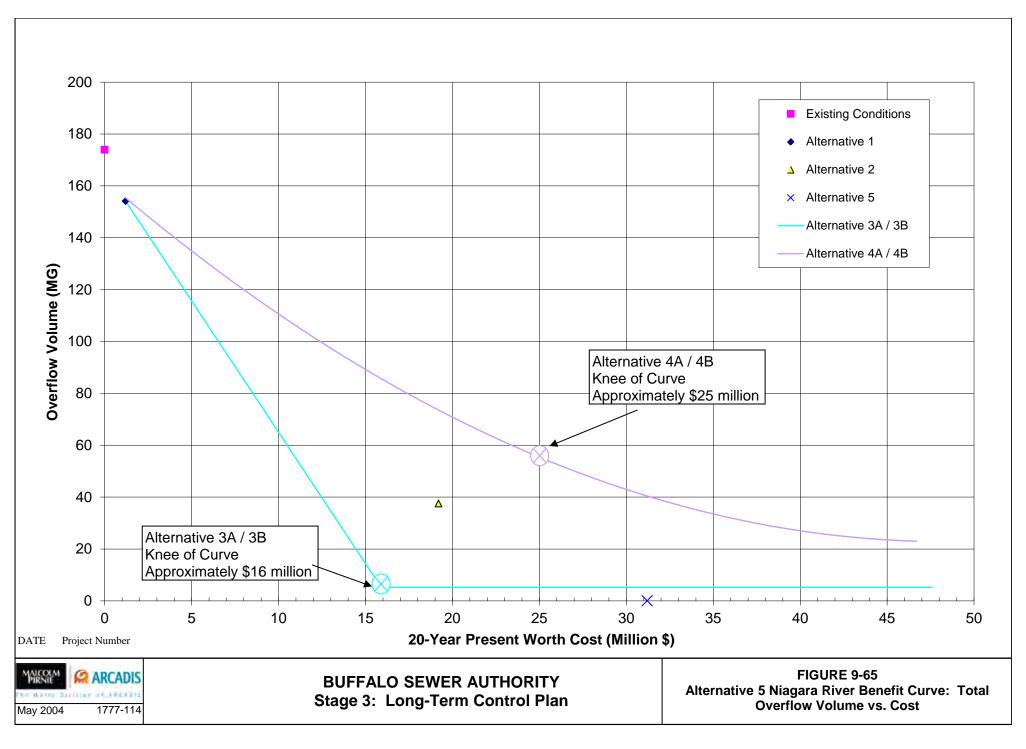


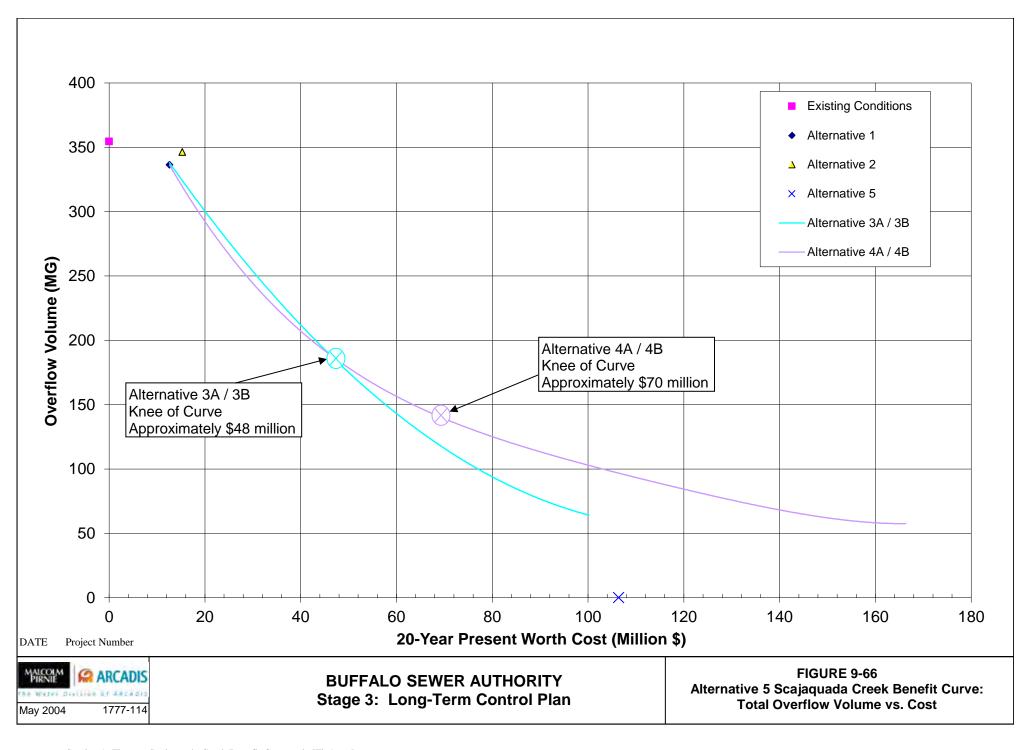












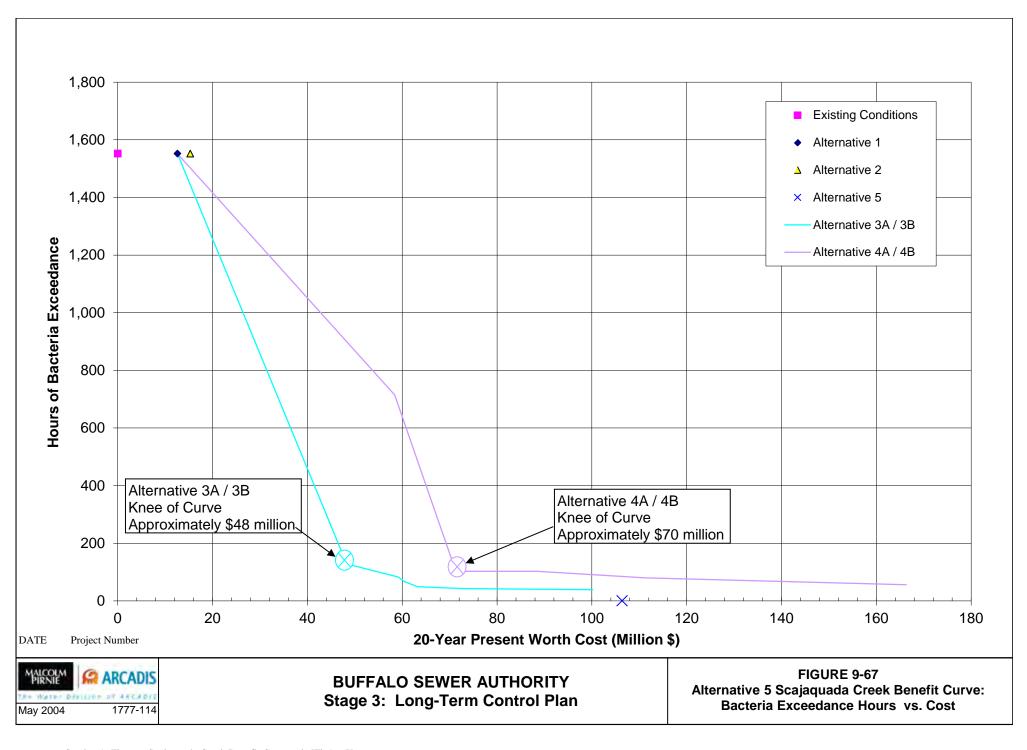




Table 9-2 Alternative 1 Summary

Description	Receiving Water Body	Category	Level of Control	District Consultant Phase Recommendation	
CSO 003 (CDS)	Black Rock Canal	Floatables Control	12 - Month	North District - Recommended Action	
CSO 003: SPPs 4, 11, and 185	Black Rock Canal	Weir Modification	12 / 110/10/	North District - Base Case	
CSO 003: SPPs 3, 4, 5, 7, and 8	Black Rock Canal	Orifice Plate Removal		North District - Base Case	
CSO 004: SPP 13 (mechanical screen)	Black Rock Canal	Floatables Control	6 - Month	Scajaquada - Project Group 5	
CSO 006: SPPs 332, 180, 179, and 331 (mechanical screens)	Black Rock Canal	Floatables Control	6 - Month	Scajaquada - Project Group 5	
CSO 061: SPP 330 (mechanical	Black Rock Canal	Floatables Control	6 - Month	Scajaquada - Project Group 4	
Tie CSO 005 SPP 14A overflow into Bird Avenue Trunk Sewer	Black Rock Canal	Flow Redirection		Scajaquada - Project Group 2	
Tie CSO 008 SPP 19 overflow into Scajaguada Tunnel Interceptor	Black Rock Canal	Flow Redirection		Scajaquada - Project Group 2	
Separate sewers upstream of CSO	Black Rock Canal	Sewer Separation		Scajaquada - Project Group 2	
Separate sewers upstream of CSO	Black Rock Canal	Sewer Separation		Scajaquada - Project Group 2	
Separate sewers upstream of CSO 010: SPP 21	Black Rock Canal	Sewer Separation		Scajaquada - Project Group 2	
CSO 012	Black Rock Canal	Floatable Control		South Central - Phase 1A	
CSO 063: SPP 283	Black Rock Canal	Floatable Control		South Central - Phase 1A	
SPP 304 Underflow from Swan Trunk to South Interceptor	Black Rock Canal	Flow Redirection		South Central - Phase 1A	
Front Park (CSO 063)	Black Rock Canal	Sewer Separation		South Central - Phase 1A	
CSO 013: SPP 304	Black Rock Canal	Floatable Control		South Central - Phase 1A	
CSO 017	Buffalo River	Floatable Control		South Central - Phase 1A	
CSO 022	Buffalo River	Floatable Control		South Central - Phase 1A	
CSO 025: SPP 209	Buffalo River	Floatable Control		South Central - Phase 1A	
CSO 026	Buffalo River	Floatable Control		South Central - Phase 1A	
CSO 027	Buffalo River	Floatable Control	- 1	South Central - Phase 1A	
CSOs 028 and 029	Buffalo River	Floatable Control		South Central - Phase 1A	
CSO 033	Buffalo River	Floatable Control		South Central - Phase 1A	
CSO 050: SPP 105	Buffalo River	Floatable Control		South Central - Phase 1A	
CSO 051	Buffalo River	Floatable Control		South Central - Phase 1A	
CSO 052: SPP 106	Buffalo River	Floatable Control		South Central - Phase 1A	
CSO 064	Buffalo River	Floatable Control		South Central - Phase 1A	
CSO 066	Buffalo River	Floatable Control		South Central - Phase 1A	
North of Buffalo River excluding Swan Trunk: SPPs 68, 69, 74, 75, 77, 78, 79, 80, 81, 82, 84, 85, 87, 88, 89, 90, 91, 92, 94, 128, 129, 131, 132, 135a, 138, 144, 145, 149(1), 149(2), 150, 151, 197a, 197b, 197c, 198b, 199a, 199b, 199c, 248, 249, 277, 314,	Buffalo River	Weir Modification		South Central - Phase 1A	
SPP 123a	Buffalo River	Supplemental Capacity		South Central - Phase 1A	
Casmir Street and South Ogden Street, south of Clinton Street (CSOs 034 and 066)	Buffalo River	Sewer Separation		South Central - Phase 1B	
Smith Street South of Route 190 to Buffalo River (CSO 026)	Buffalo River	Sewer Separation		South Central - Phase 1B	
Smith Street and Seneca Street to Howard Street (CSO 026)	Buffalo River	Sewer Separation		South Central - Phase 1B	
Clinton Street and Fillmore Street o Babcock Street (CSO 026)	Buffalo River	Sewer Separation		South Central - Phase 1B	
Area tributary to Hamburg Street Pump Station (CSOs 022, 025, and 064)	Buffalo River	Sewer Separation		South Central - Phase 1B	



Table 9-2 Alternative 1 Summary

Description	Receiving Water Body	Category	Level of Control	District Consultant Phase Recommendation
Railroad Yard (CSOs 027, 033, and 066)	Buffalo River	Sewer Separation		South Central - Phase 1B
South Buffalo: SPPs 105, 106, 106a, 107a, 113, 114, 118, 121, 122, 125, 125a, 126, 208, 307, 308, 309, 310, 311, and downstream of 308, 309, and 310	Buffalo River / Cazenovia Creek	Weir Modification		South Central - Phase 1A
South Buffalo (CSOs 028, 029, 035, 037, 039, 044, 046, 047, 048, 049, 050, 051, and 052)	Buffalo River / Cazenovia Creek	Sewer Separation	- 17	South Central - Phase 1B
Swan Trunk: SPPs 42, 48, 55, 65, 67, 206a, 206b, 281, 282, 283, 304, and 326	Buffalo River / Erie Basin Marina / Black Rock Canal	Weir Modification		South Central - Phase 1A
CSO 035: SPPs 107 and 107a	Cazenovia Creek - B	Floatable Control		South Central - Phase 1A
CSO 037: SPP 122	Cazenovia Creek - C	Floatable Control	F 1	South Central - Phase 1A
CSO 044: SPP 121	Cazenovia Creek - C	Floatable Control		South Central - Phase 1A
CSO 046	Cazenovia Creek - C	Floatable Control		South Central - Phase 1A
CSO 047: SPP 114	Cazenovia Creek - C	Floatable Control		South Central - Phase 1A
SPP 121	Cazenovia Creek - C	Supplemental Capacity		South Central - Phase 1A
CSO 055 (CDS)	Comelius Creek	Floatables Control	1 - Month	North District - Recommended Action
CSO 055 Hertel Street	Cornelius Creek	Sewer Separation		North District - Base Case
CSO 014	Erie Basin Marina	Floatable Control		South Central - Phase 1A
CSO 015	Erie Basin Marina	Floatable Control		South Central - Phase 1A
SPP 42 underflow from Swan Trunk to South Interceptor	Erie Basin Marina	Flow Redirection		South Central - Phase 1A
Retain flow in Swan Trunk at Skyway and Charles Street	Erie Basin Marina	Flow Redirection		South Central - Phase 1A
CSO 054 (CDS)	Niagara River	Floatables Control	6 - Month	North District - Recommended Action
Ontario Basin	Niagara River	Sewer Separation		North District - Base Case
CSO 054 Tonawanda Street	Niagara River	Sewer Separation		North District - Base Case
CSO 011	Niagara River	Floatable Control		South Central - Phase 1A
CSO 056 (CDS)	Scajaquada Creek	Floatables Control	12 - Month	North District - Recommended Action
CSO 058 (CDS)	Scajaquada Creek	Floatables Control	12 - Month	North District - Recommended Action
CSO 057: SPP 195	Scajaquada Creek	Weir Modification		North District - Base Case
CSO 058: SPP 213	Scajaquada Creek	Weir Modification		North District - Base Case
CSO 057: SPPs 10, 11, and 195	Scajaquada Creek	Orifice Plate Removal		North District - Base Case
CSO 058: SPP 213	Scajaquada Creek	Orifice Plate Removal		North District - Base Case
CSO 053: SPPs 336B, 170B, 341A, 341B, 336A, 203, 163, 164, 165,165A, 200A, 200B, 342A, 342B, and 157 (mechanical screens)	Scajaquada Creek	Floatables Control	6 - Month	Scajaquada - Project Group 4
CSO 053: SPPs 165B, 229A, 204, 201, 202, 335B, 345, 166	Scajaquada Creek	Floatables Control	12 -Month	Scajaquada - Project Group 4
CSO 053: SPPs 340, 339, 337	Scajaquada Creek	Floatables Control	6 - Month	Scajaguada - Project Group 3
CSO 053: SPP 338	Scajaquada Creek	Floatables Control	12 -Month	Scajaquada - Project Group 3
Separate sewers upstream of CSO 059: SPPs 183, 184, and 185	Scajaquada Creek	Sewer Separation		Scajaquada - Project Group 1
Separate sewers upstream of CSO 060: SPP 240	Scajaquada Creek	Sewer Separation		Scajaquada - Project Group 1
Separate sewers upstream of CSO 053: SPPs 335A, 156, 334A, 334B, 229, 247, 156A, and 156B	Scajaquada Creek / Black Rock Canal	Sewer Separation		Scajaquada - Project Group 1



Table 9-3 Alternative 1 Cost Estimate Summary

Description	Receiving Water Body	Category	Level of Control	Cost
CSO 003 (CDS)	Black Rock Canal	Floatables Control	12 - Month	\$890,000
CSO 003: SPPs 4, 11, and 185	Black Rock Canal	Weir Modification		\$15,000
CSO 003: SPPs 3, 4, 5, 7, and 8	Black Rock Canal	Orifice Plate Removal		\$15,000
CSO 004: SPP 13 (mechanical screen)	Black Rock Canal	Floatables Control	6 - Month	\$1,070,000
CSO 006: SPPs 332, 180, 179, and 331 (mechanical screens)	Black Rock Canal	Floatables Control	6 - Month	\$1,480,000
CSO 061: SPP 330 (mechanical screen)	Black Rock Canal	Floatables Control	6 - Month	\$1,480,000
Tie CSO 005 SPP 14A overflow into Bird Avenue Trunk Sewer	Black Rock Canal	Flow Redirection		\$100,000
Tie CSO 008 SPP 19 overflow into Scajaquada Tunnel Interceptor	Black Rock Canal	Flow Redirection		\$55,000
Separate sewers upstream of CSO 007	Black Rock Canal	Sewer Separation		\$300,000
Separate sewers upstream of CSO 009	Black Rock Canal	Sewer Separation		\$100,000
Separate sewers upstream of CSO 010: SPP 21	Black Rock Canal	Sewer Separation	4	\$5,210,000
CSO 012	Black Rock Canal	Floatable Control		\$2,750,000
CSO 063: SPP 283	Black Rock Canal	Floatable Control		\$18,000
SPP 304 Underflow from Swan Trunk to South Interceptor	Black Rock Canal	Flow Redirection		\$832,500
Front Park (CSO 063)	Black Rock Canal	Sewer Separation		\$999,000
CSO 013: SPP 304	Black Rock Canal	Floatable Control		\$150,000
CSO 017	Buffalo River	Floatable Control		\$1,890,000
CSO 022	Buffalo River	Floatable Control		\$473,000
CSO 025: SPP 209	Buffalo River	Floatable Control		\$22,000
CSO 026	Buffalo River	Floatable Control		\$2,358,000
CSO 027	Buffalo River	Floatable Control		\$452,000
CSOs 028 and 029	Buffalo River	Floatable Control		\$1,250,000
CSO 033	Buffalo River	Floatable Control		\$1,260,000
CSO 050: SPP 105	Buffalo River	Floatable Control		\$26,000
CSO 051	Buffalo River	Floatable Control		\$409,000
CSO 052: SPP 106	Buffalo River	Floatable Control		\$22,000
CSO 064	Buffalo River	Floatable Control		\$1,111,000
CSO 066	Buffalo River	Floatable Control		\$28,000
North of Buffalo River excluding Swan Trunk: SPPs 68, 69, 74, 75, 77, 78, 79, 80, 81, 82, 84, 85, 87, 88, 89, 90, 91, 92, 94, 128, 129, 131, 132, 135a, 138, 144, 145, 149(1), 149(2), 150, 151, 197a, 197b, 197c, 198b, 199a, 199b, 199c, 248, 249, 277, 314,	Buffalo River	Weir Modification		\$470,700
SPP 123a	Buffalo River	Supplemental Capacity		\$1,875,000
Casmir Street and South Ogden Street, south of Clinton Street (CSOs 034 and 066)	Buffalo River	Sewer Separation		\$22,239,500
Smith Street South of Route 190 to Buffalo River (CSO 026)	Buffalo River	Sewer Separation		\$6,631,000



Table 9-3 Alternative 1 Cost Estimate Summary

Description	Receiving Water Body	Category	Level of Control	Cost
Smith Street and Seneca Street to Howard Street (CSO 026)	Buffalo River	Sewer Separation		\$8,596,500
Clinton Street and Fillmore Street to Babcock Street (CSO 026)	Buffalo River	Sewer Separation		\$5,579,500
Area tributary to Hamburg Street Pump Station (CSOs 022, 025, and 064)	Buffalo River	Sewer Separation		\$11,434,000
Railroad Yard (CSOs 027, 033, and 066)	Buffalo River	Sewer Separation		\$14,727,000
South Buffalo: SPPs 105, 106, 106a, 107a, 113, 114, 118, 121, 122, 125, 125a, 126, 208, 307, 308, 309, 310, 311, and downstream of 308, 309, and 310	Buffalo River / Cazenovia Creek	Weir Modification		\$223,900
South Buffalo (CSOs 028, 029, 035, 037, 039, 044, 046, 047, 048, 049, 050, 051, and 052)	Buffalo River / Cazenovia Creek	Sewer Separation		\$40,750,500
Swan Trunk: SPPs 42, 48, 55, 65, 67, 206a, 206b, 281, 282, 283, 304, and 326	Buffalo River / Erie Basin Marina / Black Rock Canal	Weir Modification		\$224,600
CSO 035: SPPs 107 and 107a	Cazenovia Creek - B	Floatable Control		\$175,000
CSO 037: SPP 122	Cazenovia Creek - C	Floatable Control		\$175,000
CSO 044: SPP 121	Cazenovia Creek - C	Floatable Control		\$44,000
CSO 046	Cazenovia Creek - C	Floatable Control		\$31,000
CSO 047: SPP 114	Cazenovia Creek - C	Floatable Control		\$44,000
SPP 121	Cazenovia Creek - C	Supplemental Capacity		\$400,000
CSO 055 (CDS)	Cornelius Creek	Floatables Control	1 - Month	\$8,800,000
CSO 055 Hertel Street	Cornelius Creek	Sewer Separation		N/A
CSO 014	Erie Basin Marina	Floatable Control		\$517,000
CSO 015	Erie Basin Marina	Floatable Control		\$1,250,000
SPP 42 underflow from Swan Trunk to South Interceptor	Erie Basin Marina	Flow Redirection		\$100,000
Retain flow in Swan Trunk at Skyway and Charles Street	Erie Basin Marina	Flow Redirection	7.55	\$843,700
CSO 054 (CDS)	Niagara River	Floatables Control	6 - Month	\$395,000
Ontario Basin	Niagara River	Sewer Separation	0 (((()))	N/A
CSO 054 Tonawanda Street	Niagara River	Sewer Separation		N/A
CSO 011	Niagara River	Floatable Control		\$792,000
CSO 056 (CDS)	Scajaquada Creek	Floatables Control	12 - Month	\$350,000
CSO 058 (CDS)	Scajaquada Creek	Floatables Control	12 - Month	\$430,000
CSO 057: SPP 195	Scajaquada Creek	Weir Modification	TE MOUNT	\$5,000
CSO 057: SPF 195 CSO 058: SPP 213	Scajaquada Creek	Weir Modification		\$5,000
CSO 057: SPPs 10, 11, and 195	Scajaquada Creek	Orifice Plate Removal		\$9,000
CSO 057: SPFS 10, 11, and 193	Scajaquada Creek	Orifice Plate Removal		\$3,000



Table 9-3 Alternative 1 Cost Estimate Summary

Description	Receiving Water Body	Category	Level of Control	Cost
CSO 053: SPPs 336B, 170B, 341A, 341B, 336A, 203, 163, 164, 165,165A, 200A, 200B, 342A, 342B, and 157 (mechanical screens)	Scajaquada Creek	Floatables Control	6 - Month	\$6,680,000
CSO 053: SPPs 165B, 229A, 204, 201, 202, 335B, 345, 166	B, 345, 166 Scajaquada Creek		12 -Month	
CSO 053: SPPs 340, 339, 337	Scajaquada Creek	Floatables Control	6 - Month	PO 840 000
CSO 053: SPP 338	Scajaquada Creek	Floatables Control	12 -Month	\$2,840,000
Separate sewers upstream of CSO 059: SPPs 183, 184, and 185	Scajaquada Creek	Sewer Separation		\$775,000
Separate sewers upstream of CSO 060: SPP 240	Scajaquada Creek	Sewer Separation		\$1,020,000
Separate sewers upstream of CSO 053: SPPs 335A, 156, 334A, 334B, 229, 247, 156A, and 156B	Scajaquada Creek / Black Rock Canal	Sewer Separation		\$1,382,000

Alternative 1 Total Cost \$164,583,400

Alternative 1 Cost by Receiving	Water Body:
Black Rock Canal	\$16,365,000
Buffalo River	\$87,237,792
Cazenovia Creek - B	\$3,595,324
Cazenovia Creek - C	\$32,004,884
Cornelius Creek	\$8,800,000
Erie Basin Marina	\$2,751,200
Niagara River	\$1,187,000
Scajaguada Creek	\$12,642,200





Table 9-4 Alternative 2 Summary

Description	Receiving Water Body	Category	Level of Control	District Consultant Phase Recommendation
Scajaquada Tunnel Interceptor	Black Rock Canal	Storage		Scajaquada - Project Group 4
Bird Avenue Trunk Sewer	Black Rock Canal	Storage		Scajaquada - Project Group 5
CSO 017: between Hamburg and Alabama and between Oak and Chicago	Buffalo River	Storage	3 - Month	South Central - Phase 3
CSO 026	Buffalo River	Storage	3 - Month	South Central - Phase 3
CSO 027	Buffalo River	Storage	3 - Month	South Central - Phase 3
CSOs 028, 029	Buffalo River	Storage	3 - Month	South Central - Phase 3
CSO 033	Buffalo River	Storage	3 - Month	South Central - Phase 3
CSO 050	Buffalo River	Storage	6 - Month	South Central - Phase 3
CSO 051	Buffalo River	Storage	3 - Month	South Central - Phase 3
CSO 052	Buffalo River	Storage	4 - Month	South Central - Phase 3
CSO 064	Buffalo River	Storage	3 - Month	South Central - Phase 3
CSO 066	Buffalo River	Storage	6 - Month	South Central - Phase 3
CSO 035	Cazenovia Creek - B	Storage	3 - Month	South Central - Phase 3
CSO 037	Cazenovia Creek - C	Storage	3 - Month	South Central - Phase 3
CSO 055	Cornelius Creek	Storage		North District - Discarded Alternative
CSO 014	Erie Basin Marina	Storage	3 - Month	South Central - Phase 3
CSO 015	Erie Basin Marina	Storage	3 - Month	South Central - Phase 3
CSOs 011, 012: Albany Street	Niagara River / Black Rock Canal	Storage	3 - Month	South Central - Phase 3
CSO 056	Scajaguada Creek	Storage	6 - Month	North District - Discarded Alternative
CSO 057	Scajaquada Creek	Weir Modification		North District - Recommended Action
Hagen Trunk Sewer	Scajaquada Creek / Black Rock Canal	Storage		Scajaquada - Project Group 3
Texas Trunk Sewer	Scajaquada Creek / Black Rock Canal	Storage		Scajaquada - Project Group 3
Colorado Trunk Sewer	Scajaquada Creek / Black Rock Canal	Storage		Scajaquada - Project Group 3
Bailey Trunk Sewer	Scajaquada Creek / Black Rock Canal	Storage		Scajaquada - Project Group 3

Note

Alternative 2 includes all modifications listed for Alternative 1. Table 9-4 lists only additional modifications in Alternative 2 that are not included in Alternative 1.



Table 9-5 Alternative 2 Cost Estimate Summary

Description	Receiving Water Body	Category	Level of Control	Cost
Scajaquada Tunnel Interceptor	Black Rock Canal	Storage		\$306,000
Bird Avenue Trunk Sewer	Black Rock Canal	Storage		\$1,556,000
CSO 017: between Hamburg and Alabama and between Oak and Chicago	Buffalo River	Storage	3 - Month	\$23,850,245
CSO 026	Buffalo River	Storage	3 - Month	\$20,812,905
CSO 027	Buffalo River	Storage	3 - Month	\$1,266,968
CSOs 028, 029	Buffalo River	Storage	3 - Month	\$20,964,526
CSO 033	Buffalo River	Storage	3 - Month	\$2,913,275
CSO 050	Buffalo River	Storage	6 - Month	\$2,168,347
CSO 051	Buffalo River	Storage	3 - Month	\$894,730
CSO 052	Buffalo River	Storage	4 - Month	\$4,601,222
CSO 064	Buffalo River	Storage	3 - Month	\$2,684,004
CSO 066	Buffalo River	Storage	6 - Month	\$22,158,874
CSO 035	Cazenovia Creek - B	Storage	3 - Month	\$2,259,332
CSO 037	Cazenovia Creek - C	Storage	3 - Month	\$3,817,154
CSO 055	Cornelius Creek	Storage		\$80,162,654
CSO 014	Erie Basin Marina	Storage	3 - Month	\$1,602,362
CSO 015	Erie Basin Marina	Storage	3 - Month	\$2,944,001
CSOs 011, 012: Albany Street	Niagara River / Black Rock Canal	Storage	3 - Month	\$46,244,059
CSO 056	Scajaquada Creek	Storage	6 - Month	\$454,382
CSO 057	Scajaquada Creek	Weir Modification		\$10,000
Hagen Trunk Sewer	Scajaquada Creek / Black Rock Canal	Storage		\$1,559,000
Texas Trunk Sewer	Scajaquada Creek / Black Rock Canal	Storage		\$1,528,000
Colorado Trunk Sewer	Scajaquada Creek / Black Rock Canal	Storage		\$1,348,000
Bailey Trunk Sewer	Scajaquada Creek / Black Rock Canal	Storage		\$1,401,000

Note:

Alternative 2 includes all modifications listed for Alternative 1. Table 9-5 lists only additional modifications in Alternative 2 that are not included in Alternative 1. Alternative 2 Sub-Total Cost \$247,507,040 Alternative 1 Total Cost \$164,583,400

Alternative 2 Total Cost \$412,090,440

Alternative 2 Cost by Receiving	Water Body:
Black Rock Canal	\$50,054,276
Buffalo River	\$189,552,888
Cazenovia Creek - B	\$5,854,656
Cazenovia Creek - C	\$35,822,038
Cornelius Creek	\$88,962,654
Erie Basin Marina	\$7,297,563
Niagara River	\$19,222,183
Scajaguada Creek	\$15,324,182



Table 9-6 Alternative 3A Summary

Receiving Water Body	CSOs Controlled	Description
Erie Basin	CSO 014	Tunnel from Cazenovia Park, along Cazenovia Creek, across Buffalo River
Erie Basin	CSO 015	at Bailey Avenue, north along Bailey Avenue to Elk Street, west along Elk
Erie Basin	CSO 016	Street to South Park Avenue, West along South Park Avenue to the Skyway,
Buffalo River	CSO 017	North under the Skyway to the I-190, North along the shoreline to the West
Buffalo River	CSO 022	of the I-190 to Waterfront Village in the Erie Basin Marina area with additional
Buffalo River	CSO 023	collector sewers as needed.
Buffalo River	CSO 025	
Buffalo River	CSO 026	
Buffalo River	CSO 027	
Cazenovia Creek - C	CSO 030	
Cazenovia Creek - C	CSO 031	
Buffalo River	CSO 032	
Buffalo River	CSO 033	
Cazenovia Creek - B	CSO 035	
Cazenovia Creek - C	CSO 036	
Cazenovia Creek - C	CSO 037	
Cazenovia Creek - C	CSO 038	
Cazenovia Creek - C	CSO 039	
Cazenovia Creek - C	CSO 040	
Cazenovia Creek - C	CSO 041	
Cazenovia Creek - C	CSO 042	
Cazenovia Creek - C	CSO 043	
Cazenovia Creek - C	CSO 044	
Cazenovia Creek - C	CSO 045	
Cazenovia Creek - C	CSO 046	
Cazenovia Creek - C	CSO 047	
Cazenovia Creek - C	CSO 048	
Cazenovia Creek - C	CSO 049	
Buffalo River	CSO 050	
Buffalo River	CSO 064	
bullato river	030 004	
Buffalo River	CSO 051	Satellite Storage Facility at Pawnee Parkway outlet to Buffalo River
Buffalo River	CSO 052	Satellite Storage Facility at South Ogden outlet to Buffalo River - South Side
Cornelius Creek	CSO 055	Satellite Storage Facility located at Riverside High School
Scajaquada Creek	CSO 056	Satellite Storage Facility located at Delaware Park
Scajaquada Creek	CSO 060	
Buffalo River	CSO 066	Satellite Storage Facility at South Ogden outlet to Buffalo River - North Side
Buffalo River	CSO 028	Partial Separation
Buffalo River	CSO 029	
Buffalo River	CSO 034	
Buffalo River	CSO 066	Removal of stormwater sources
Niagara River	CSO 054	Sewer Separation
magaia i ii voi	1000 001	Sylvi Sopulation

Note

Alternative 3A includes all modifications listed for Alternative 1. Table 9-6 lists only additional modifications in Alternative 3A that are not included in Alternative 1.



Table 9-6 Alternative 3A Summary

Receiving Water Body	CSOs Controlled	Description
Black Rock Canal	CSO 003	Satellite Storage Facility located near Rich Marina
Black Rock Canal	CSO 004	North - South Tunnel from the intersection of Forest Avenue and Niagara Stree
Black Rock Canal	CSO 005	along Niagara Street to the intersection of School Street and Niagara Street
Black Rock Canal	CSO 006 by way of tributary SPPs:	Cross Black Rock Canal at Lafayette Avenue to Bird Island
	SPP 179	
	SPP 180	
	SPP 331	
Black Rock Canal	CSO 007	
Black Rock Canal	CSO 008	
Black Rock Canal	CSO 009	
Black Rock Canal	CSO 010	
Niagara River	CSO 011	
Black Rock Canal	CSO 012	
Black Rock Canal	CSO 061	
Black Rock Canal	CSO 062	
Scajaquada Creek	CSO 057	
Scajaquada Creek	CSO 058	
Scajaquada Creek	CSO 059	
Conjuguada Orcon	000 000	
Scajaquada Creek	CSO 053 by way of SPPs along	East - West Tunnel parallel to Scajaquada Drain
	the Scajaquada Tunnel Interceptor	The state of the s
	and Scajaquada Drain:	
	SPP 156	
	SPP 157	
	SPP 163	
	SPP 166	
	SPP 170b	
	SPP 178	
	SPP 200a&b	
	SPP 201	
	SPP 202	
	SPP 203	
	SPP 204	
	SPP 229a	
	SPP 335	
	SPP 336a	
	SPP 336b	
	SPP 337	
	SPP 338	
	SPP 339	
	SPP 340	
	SPP 341a&b	
	SPP 345	
Black Rock Canal	CSO 013	Satallita Starage Facility legated at LaCalla Bady
DIAUK HOCK CANAI		Satellite Storage Facility located at LaSalle Park
	CSO 063	(to be diverted to Swan Trunk or South Interceptor)





Receiving Water Body	CSOs Controlled	Description	\vdash	Capital	1-Mor	oth Cost Estimat		Total
Black Rock Canal	CSO 003	Salelite Storage Facility located near Rich Marina	5	Oduna.	5	- Cum	5	TOIB!
Blast Deet Good	CSO 004	North Coult Transfer the Internation of Front North and Street	-	E1 001 017		0 700 400	-	04 704 744
Black Rock Canal Black Rock Canal	CSO 004	North - South Tunnel from the intersection of Forest Avenue and Niagara Street along Niagara Street to the intersection of School Street and Niagara Street	\$	54,961,247	3	6,723,496	3	61,704,74
Black Rock Canal	CSO 006 by way of Inbutary SPPs:	Cross Black Rock Canal at Latayette Avenue to Bird Island	1					
	SPP 179		_					
	SPP 180 SPP 331		-		-		-	
Black Rock Canal	CSO 007		1		-		-	
Black Rock Canal	CSO 008							
Black Rock Canal	CSO 009						_	
Black Rock Canal	CSO 010		-		-			
Niagara River Black Rock Canal	CSO 011 CSO 012		-				-	_
Black Rock Canal	CSO 061		1					
Black Rock Canal	CSO 062				1			
Scajaguada Creek	CSO 057		-					
Scajaquada Creek Scajaquada Creek	CSO 058 CSO 059		-				-	
Scalationna Creek	C3O 039		1		-		-	****
Scajaquada Creek	CSO 053 by way of SPPs along	East - West Tunnel parallel to Scajaquada Drain	\$	81,773,089	5	6,741,051	\$	88,514,140
	the Scajaguada Tunnel Interceptor						1	
	and Scajaquada Drain:		-		-		-	
	SPP 156 SPP 157		-		-		-	
	SPP 163		-		-		-	
	SPP 166							
	SPP 1706							
	SPP 178		-		-			
	SPP 200a&b SPP 201		-		-		-	
	SPP 201 SPP 202		1		-			
	SPP 203	·	1					
	SPP 204						-	
	SPP 229a							
	SPP 335		-		-			
	SPP 336a SPP 336b		-		-		-	
	SPP 337				-			
	SPP 338		1				-	-
	SPP 339		1					
	SPP 340						-	
	SPP 341a&b						_	
	SPP 345		-		-		-	
Black Rock Canal	CSO 013	Satellite Storage Facility located at LaSalle Park	5		\$		5 -	
CHICK I NACH CHINE	CSO 063	(to be diverted to Swan Trunk or South Interceptor)	-		-		-	
					-			
Erie Basin	CSO 014	Tunnel from Cazenovia Park, along Cazenovia Creek, across Buffalo River	5	43,071,848	\$	6,653,276	\$	49,725,124
Erie Basin	CSO 015	at Balley Avenue, north along Balley Avenue to Elk Street, west along Elk	-		-		_	
Erie Basin Buffalo River	CSO 016 CSO 017	Street to South Park Avenue, West along South Park Avenue to the Skyway, North under the Skyway to the I-190, North along the shoreline to the West	-		-		-	
Buffalo River	CSO 022	of the I-190 to Waterfront Village in the Erie Basin Marina area with additional	-		-			
Buffalo River	CSO 023	collector sewers as needed.						
Buffalo River	CSO 025							
Buffalo River	CSO 026		-		_		_	
Buffalo River	CSO 027		-				-	
Cazenovia Creek - C Cazenovia Creek - C	CSO 030 CSO 031		-		-		-	
Buffalo River	CSO 032	·	_					
Buttalo River	CSO 033							-
Cazenovia Creek - B	CSO 035							
Cazenovia Craek - C	CSO 036				-			
Cazenovia Creek - C	CSO 037		-					
Cazenovia Creek - C Cazenovia Creek - C	CSO 038 CSO 039		-				-	
Cazenovia Creek - C	CSO 040				-			
Cazenovia Creek - C	CSO 041							
Cazenovia Creek - C	CSO 042							
Cazenovia Creek - C	CSO 043		-		-			
Cazenovia Creek - C Cazenovia Creek - C	CSO 044 CSO 045	1	-	-	-		-	
Cazenovia Creek - C	CSO 045				-			
Cazenovia Creek - C	CSO 047							
Cazenovia Creek - C	CSO 048							
Cazenovia Creek - C	CSO 049		-					
Buffalo River	CSO 050	T	-		-		-	
Buffalo River	CSO 064		-		-		-	
Buffalo River	CSO 051	Satellite Storaga Facility at Pawnee Parkway outlet to Buffald River	\$		5		\$	
2470-00	-							
Buttalo River	CSO 052	Satellite Storage Facility at South Ogden outlet to Buffalo River - South Side	\$	× .	\$		\$	0
Cornelius Creek	CSO 065	Satellite Storage Facility located at Riverside High School	5	49,723,064	5	355,349	\$	50,078,413
Coments Creek	C3C (65	Satelike Storage Pacinty located at hiverside high School	9	49,723,064		335,349		50,078,413
Scajaquada Creek	CSO 056	Satellite Storage Facility located at Delaware Park	\$	1,649,588	\$	355,349	\$	2,004,937
Scajaquada Creek	CSO 060		-	- Tarana	-		-	-100,1001
Buffalo River	CSO 966	Satelitte Storage Facility at South Ogden outlet to Buffalo River - North Side	5	277,793	5	355,349	\$	633,142
Buffalo River	CSO 028	Partial Separation	5	32,265,625	_	NA	\$	32,265,625
Buffalo River	CSO 029	r anna suppliatel		SE,200,025	-	190	-	26,603,025
Buffalo River	CSO 034		1			7		
			-		-			
Buffalo River	CSO 066	Removal of slomwater sources	-		_			
Buffalo River	CSO 066 CSO 054	Removal of stormwater sources Sewer Separation	\$	1,357,188		NA .	\$	1,357,188

Alternative 3A 1-Month Sub-Total \$
Alternative 1 Total Cost \$

286,293,312 164,583,400

Alternative 3A 1-Month Total Cost \$ 450,876,712

Alternative 3A Costs by Receiving Water Body:		Capital		O&M	1	Total
Black Rock Canal	\$	110,186,085	\$	9,452,687	5	119,638,772
Buttalo River	\$	155,027,134	\$	5,799,760	5	160,826,894
Cazenovia Creek - B	5	4,332,968	\$	113,943	5	4,445,911
Cazenovia Creek - C	\$	35,976,979	5	613,566	\$	36,590,545
Cornelius Creek	\$	58,523,064	5	355,349	\$	58,878,413
Erie Basin	\$	5,867,386	5	481,355	\$	5,348,741
Ningara River	5	14,413,664	\$	1,450,261	\$	15,863.925
Scalaguada Creek	5	45,365,562	5	2,916,948	\$	48,262,510





Receiving Water Body	CSOs Controlled	Description		Capital	1	th Cost Estimate O&M		Total
Black Flock Canal	CSO 903	Satellite Storage Facility located near Rich Marina	\$	-	5		\$	-
Black Back Conel	CSO 004	Month Co. In Toward from the information of Econot Assessed and Missoure Original	\$	74,331,529	\$	6,827,989		81,159,51
Black Rock Canal Black Rock Canal	CSO 005	North - South Tunnel from the intersection of Forest Avenue and Niagara Street along Niagara Street to the intersection of School Street and Niagara Street		74,331,329	*	0,027,909		61,159,51
Black Rock Canal	CSO 006 by way of tributary SPPs:	Cross Black Rock Canal at Lafayette Avenue to Bird Island						
1 2 2 2 2 2 2	SPP 179							
	SPP 180				1			
	SPP 331							
Black Rock Canal	CSO 007		-		_			
Black Rock Canal	CSO 008		-				-	
Black Rock Canal	CSO 009 CSO 010	 	-		-		_	
Black Rock Canal Niagara River	CSO 010		-		-			
Black Rock Canal	CSO 012	<u> </u>	-					
Black Rock Canal	CSO 061				-		-	
Black Rock Canal	CSO 062							
Scajaquada Creek	CSO 057							
Scajaquada Creek	CSO 068							
Scajaquada Creek	CSO 059							
n 1	000 000	For World and Control Control Control	-	109,726,303		6,803,747		110 000 000
Scajaquada Creek	CSO 053 by way of SPPs along the Scajaguada Tunnel Interceptor	East - West Tunnel parallel to Scajaquada Drain	\$	109,726,303		6,803,747	3	115,530,050
	and Scalaguada Drain:		-		-		-	
	SPP 156		-				-	
	SPP 157		-					
	SPP 163		-		-		-	-
	SPP 166		-					
	SPP 170b		1	-	-		-	
	SPP 178							
	SPP 200a&b		1			-	-	
	SPP 201							
	SPP 202							
	SPP 203							
	SPP 204				-			
	SPP 229a				1			
	SPP 335							
	SPP 336a							
	SPP 336b							
	SPP 337							
	SPP 338							
	SPP 339		-					
	SPP 340		-		-			
	SPP 341a&b				-		-	
	SPP 345		-		-		-	
Black Rock Canal	CSO 013	Satellite Storage Facility located at LaSalle Park						
DIRCK HOCK CANAI	CSO 063	(to be diverted to Swan Trunk or South Interceptor)	\$	-	\$		5	
	C30 003	(In the direction to small from or south (interceptor)	-		-			
Erie Basin	CSO 014	Tunnel from Cazenovia Park, along Cazenovia Creek, across Buffalo River	\$	64,998,064	5	6,669,995	5	71,668,049
Erie Basin	CSO 015	at Bailey Avenue, north along Bailey Avenue to Elk Street, west along Elk	7	a describe.	-	eleon ace	-	1710001010
Eria Basin	CSO 016	Street to South Park Avenue, West along South Park Avenue to the Skyvisy,						
Buffalo River	CSO 017	North under the Skyway to the I-190, North along the shoreline to the West						
Buffalo River	CSO 022	of the I-190 to Waterfront Village in the Erie Basin Marina area with additional						
Buttalo River	CSO 023	collector sewers as needed.						
Buttalo River	CSO 025							
Buffalo River	CSO 026							
Buttalo River	CSO 027							
Cazenovia Creek - C	CSO 030							
Cazenovia Creek - C	CSO 091							
Buffalo River	CSO 032							
Buffalo River	CSO 033							
Cazenovia Creek - B	CSO 035		-				_	-
Cazenovia Creek - C	CSO 036				_			
Cazenovia Creek - C	CSO 037		-		-		-	
Cazenovia Creek - C	CSO 038		-		-			
Cazenovia Creek - C	CSO 039		-				-	
Cazenovia Creek - C Cazenovia Creek - C	CSO 040 CSO 041		-		-			
Cazenovia Creek - C	CSO 041		-				-	-
Cazenovia Creek - C	CSO 043		-					
Cazenovia Creek - C	CSO 044					-		
Cazanovia Creek - C	CSO 045		100					
Cazanovia Creek - C	CSO 046				170			
Cazenovia Creek - C	CSO 047							
Cazenovia Creek - C	CSO 048							
Cazenovia Creek - C	CSO 049							
Buffalo River	CSO 050							
Buttalo River	CSO 064					- 1		
	0.00							
Buffalo River	CSO 061	Satellite Storage Facility at Pawnee Parkway outlet to Buffalo River	5	P + 1	\$		1	
D. W. L. D.	000.000	Carrier Development Court Cour						
Buffalo River	CSO 052	Satellite Storage Facility at South Ogden outlet to Buffalo River - South Side	\$		\$		3	
Compline Const	CODICE	Catalita Carana Encilly located at Disperide Line Cahast		79,047,127	4	1357.00		90 /24 544
Comelius Creek	CSO 055	Satellite Storage Facility located at Riverside High School	5	78,047,127	3	1,421,395	2	80,468,522
Scajaguada Creek	CSO 056	Satellite Storage Facility located at Delaware Park	5	1,956,085	4	355,349	\$	2,311,434
Scajaquada Creek	CSO 060	PROPERTY OF THE PROPERTY OF TH	-	1,000,000		200,249		F1311/4/4
Oscillatore Cipes	000							-
Buffalo River	CSO 066	Satellite Storage Facility at South Ogden outlet to Buffalo River - North Side	\$	383,515	\$	355,349	\$	738,864
			1	- and a	-		-	
Buttalo River	CSO 028	Partial Separation	\$	32,265,625		NA.	\$	32,265,625
Buffalo River	CSO 029		-	1.00			-	
	CSO 034		1			-	-	-
BUILDIO HIVEL	The Walter							
Bullaio Hiver					_		_	
- Contractor	CSO 966	Removal of stormwater sources						
Bulfalo River					-			
Bullato River Bullato River Niagara River	CSO 965 CSO 954	Removal of stormwister sources Sewer Séparation	\$	1,367,188	-	NA .	\$	1,367,18

Nois

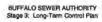
Alternative 3A includes all modifications lated for Alternative 1. Takin 5-7 late only additional modifications in Alternative 3A that are not contract to Alternative 7.

Alternative 3A 2-Month Sub-Total \$ 386,509,250
Alternative 1 Total Cost \$ 164,583,400

Atternative 3A 2-Month Total Cost \$ 551,092,650

Alternative 3A Coata by Receiving Water Body:

Black Rock Canal	\$ 142,893,497 \$ 9,573,513 \$ 152,267,010
Burlato River	\$ 172,075,187 \$ 5,813,442 \$ 178,806,200
Cazenovia Creek - B	\$ 4,708,474 \$ 114,230 \$ 4,822,703
Cazenovia Creek - C	\$ 37,999,018 \$ 615,108 \$ 38,614,126
Cazenovia Creek - C	\$ 76,871,127 \$ 1,421,395 \$ 8,926,822
Cazenovia Creek - B	\$ 7,847,127 \$ 1,421,395 \$ 8,926,822
Erie Basin	\$ 7,453,716 \$ 482,565 \$ 7,906,831
Nilapara River	\$ 18,587,527 \$ 1,472,800 \$ 2,000,327
Scalequada Creek	\$ 55,294,280 \$ 2,940,773 \$ 59,235,053





Receiving Water Body	CSOs Controlled	Description	Capital	I MANUEL	O&M		Total
Black Rock Canal	CSO 003	Satellite Storage Facility located near Rich Manna	5	\$		\$	
Black Rock Canal	CSO 004	North - South Tunnel from the intersection of Forest Avenue and Niagara Street	\$ 92,182.28	5	6,941,678	\$	99,123,96
Black Rock Canal	CSO 005	along Niagara Street to the Intersection of School Street and Niagara Street	DE, 100, 20	-	0,041,070		30, 163, 30
Black Rock Canal	CSO 006 by way of tributary SPPs:	Cross Black Rock Canal at Lafayette Avenue to Bird Island					
	SPP 179	The second secon					
	SPP 180 SPP 331			-		-	-
Black Rock Canal	CSO 907		-	1			
Black Rock Canal	CSO 008					-	
Black Rock Canal	CSO 009						
Black Rock Canal	CSO 010			-			
Niagara River Black Rock Canal	CSO 011 CSO 012			-		-	
Black Rock Canal	CSO 061						
Black Rock Canal	CSO 062						
Scaleguada Creek	CSO 057						
Scajaquada Creek	CSO 068			1			
Scalaquada Creek	CSO 059			-	-1	-	
Scajaquada Creek	CSO 053 by way of SPPs along	East - West Tunnel parallel to Scajaquada Drain	\$ 111,862,032	2	6,653,904	\$	118,715,936
	the Scalaguada Tunnel Interceptor		-	-			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	and Scajaquada Drain:						
	SPP 156						
	SPP 167 SPP 163			-		-	
	SPP 166			1			
	SPP 1706		-	1		-	
	SPP 178						
	SPP 200a&b						
	SPP 201			-		-	
DES 1000000	SPP 202 SPP 203			1		-	
	SPP 204	 	-	-		-	
-	SPP 229a						
	SPP 335						
	SPP 336a						
	SPP 336b						
	SPP 337 SPP 338			-		-	
	SPP 339		_	-		-	
	SPP 340			-			
	SPP 341sab						
	SPP 345			200			
Direct Back Or and	000 448	Date of the Control o				-	
Black Rock Canal	CSO 013 CSO 063	Sateline Storage Facility located at LaSalle Park (to be diverted to Swan Trunk or South Interceptor)		1	-	5	
	000 000	(10 DO GIVAN OU DO GO					
Ene Basin	CSO 014	Tunnel from Cazenovia Park, along Cazenovia Creek, across Buffalo River	\$ 79,887,508	\$	6,693,402	\$	86,580,910
Erie Basin	CSO 015	at Bailey Avenue, north slong Balley Avenue to Elk Street, west along Elk				-	
Erie Basin	CSO 016	Street to South Park Avenue, West along South Park Avenue to the Skywny,					
Buffalo River	CSO 017	North under the Skyway to the I-190, North along the shoreline to the West		-	_		
Buffalo River Buffalo River	CSO 022 CSO 023	of the I-190 to Waterfront Village in the Erie Basin Marina area with additional collector sewers as needed.		-			_
Buffalo River	CSO 025	Collector same a as records.		-		-	
Buffalo River	CSO 026			1			
Buffalo River	CSO 027						
Cazenovia Creek - C	CSO 030						
Cazenovia Creek - C	CSO 031			-			
Buffalo River Buffalo River	CSO 032 CSO 033		-	-		-	
Cazenovia Creek - B	CSO 035						
Cazenovia Creek - C	CSO 036			1		-	_
Cazenovia Creek - C	CSO 037						
Cazenovia Creek - C	CSO 038						
Cazanovia Craek - C	CSO 039			-		-	
Cazenovia Creek - C Cazenovia Creek - C	CSO 040 CSO 041					-	
Cazenovia Creek - C	CSO 041			-			
Cazenovia Creek - C	CSO 043			-		-	
Cazenovia Creek - C	CSO 044						
Cazenovia Creek - C	CSO 045			-			
Cazenovia Creek - C	CSO 046 CSO 047		-	-		_	
Cazenovia Creek - C Cazenovia Creek - C	CSO 047			-			
Cazenovia Creek - C	CSO 049						
Buffalo River	CSO 050						
Buffalo River	CSO 064						
O diala Diver	OCO DE1	Catalitie Classes Feeling at Daylore Badyon, audiot to Dutielle Disse		-			_
Buffaio River	CSO 051	Satellite Storage Facility at Pawnee Parkway outlet to Buffalo River	5	5		\$	
Buttalo River	CSO 052	Satellite Storage Facility at South Ogden outlet to Buffalo River - South Side	\$	5		\$	- 2
Comelius Creek	CSO 055	Sateliite Storage Facility located at Riverside High School	\$ 94,862,002	\$	2,132,093	\$	96,994,095
Designate Cont	CCO OFF	Cataliba Diaman Familia (seasond at Data			000 010		0.400.4
Scajaquada Creek	CSO 056	Saterike Storage Facility located at Delaware Park	\$ 2,143,168	\$	355,349	\$	2,498,517
Scajaquada Creek	CSO 060		-	-		-	
Buttalo River	CSO 066	Satellite Storage Facility at South Ogden outlet to Buffalo River - North Side	5 495,531	\$	355,349	5	850,880
	111111111111111111111111111111111111111				7 700		7,100,000
Buffalo River	CSO 028	Partial Separation	\$ 32,265,625		NA	\$	32,265,625
Buffalo River	CSO 029		1				
Buffalo River	CSO 034					_	
Buffalo River	CSO 066	Removal of stormwater sources				_	
Portal Chair	000	Process of State of S	-	-		_	
	CSO 054	Sewer Separation	\$ 1,367,188		NA	\$	1,387,188
Niagura River	00000						

None.
Alternative I.A inclusive all modifications limits for Alternative 1. Table 6-7 lists only additional mentileations in Alternative IA livel any no included in Alternative 1.

438,397,113 164,583,400 Alternative 3A 3-Month Sub-Total \$
Alternative 1 Total Cost \$

Alternative 3A 3-Month Total Cost \$ 602,980,513

Alternative 3A Costs by Receiving Water Body:		Capital		MAG		Total.
Black Rock Canal	\$	158,017,990	5	9,693,776	\$	167,71 t,766
Buffalo River	\$	185,371,323	\$	5,832,695	\$	191,203,919
Cazenovia Creek - 8	5	4,963,469	\$	114,630	5	5,078,099
Cazenovia Creek - C	\$	39,372,126	\$	617,267	\$	39,989,393
Comellus Creek	\$	103,662,002	\$	2,132,093	\$	105,794,095
Erie Basin	\$	8,530,947	\$	484,258	5	9,015,205
Niagara River	5	22,437,942	\$	1,497,323	5	23,935,265
Scajaquada Creek	\$	57,292,940	\$	2,959,832	\$	60,252,772





Receiving Water Body	CSOs Controlled	Description	-	Conitat	+MC	O&M	e	Total
Black Rock Canal	CSO 003	Satellite Storage Facility located near Rich Marina	\$	Capitai	\$	Conve	S	10(8)
					100			1000
Black Rock Canal	CSO 004 CSO 005	North - South Tunnel from the intersection of Forest Avenue and Niagara Street	\$	101,308,251	3	7,008,554	\$	108,216,80
Black Rock Canal Black Rock Canal	CSO 006 by way of tributary SPPs:	along Niagara Street to the intersection of School Street and Niagara Street Cross Black Rock Canal at Lafayette Avenue to Bird Island	+		-	-	-	
Didok Noon Cardi	SPP 179	O DOS DIEGO PIECE CON EN	1					
	SPP 180							-
	SPP 331							
Black Rock Canal	CSO 007		_					
Black Rock Canal	CSO 008		-		-		-	
Black Rock Canal Black Rock Canal	CSO 009 CSO 010		\vdash		-		-	
Niagara Fliver	CSO 011		-		-		-	
Black Rock Canal	CSO 012		1		1		-	
Black Rock Canal	CSO 061					-		
Black Rock Canal	CSO 062							
Scalaguada Creek	CSO 057							
Scajaquada Creek	CSO 058		-					
Scajequada Creek	CSO 059		+		-		-	
Scalaguada Creek	CSO 053 by way of SPPs along	East - West Tunnel parallel to Scajaguada Drain	3	119,209,582	2	6,881,490	3	126,091,072
Scalaridada Cress	the Scalaguada Tunnel Interceptor	Cast - West (Date batalie to ocaladosos Distri		119,209,502	13	0,001,930	3	120,091,074
	and Scalaguada Drain:		-		1			
	SPP 156				1		1	
	SPP 157				1			
	SPP 163							
	SPP 166						1	
	SPP 1706		-				-	_
	SPP 178		-		-		-	
	SPP 200a&b		-		-		-	
	SPP 201 SPP 202		-		-			
	SPP 202 SPP 203		1		-		-	
	SPP 204		-	-	1			
	SPP 229a				1			
	SPP 335							
	SPP 336a				1			
	SPP 336b							
	SPP 337							
	SPP 338				_		_	
	SPP 339		-		-		-	
	SPP 340 SPP 341a&b		-		-		-	
	SPP 345		-	-	-			
	50,000		-		-		_	
Black Rock Canal	CSO 013	Satellita Storage Facility located at La Salle Park	5	4,203,202	3	355,349	5	4,558,551
	CSO 063	(to be diverted to Swan Trunk or South intercaptor)						
	EL		1					
Erie Basin	CSO 014	Tunnel from Cazenovia Park, along Cazenovia Creek, across Buffalo River	\$	67,799,086	\$	6,707,613	5	94,506,679
Erie Basin	CSO 015	at Bailey Avenue, north along Bailey Avenue to Elk Street, west along Elk	1		-		-	
Erie Basin Buffalo River	CSO 016 CSO 017	Street to South Park Avenue, West along South Park Avenue to the Skyway, North under the Skyway to the I-190, North along the shoreline to the West	-		-		-	
Buffalo River	CSO 022	of the I-190 to Waterfront Village in the Erie Basin Marina area with additional	-		-		-	
Buffalo River	CSO 023	collector sawers as needed.	1		1		-	
Buffalo River	CSO 025							
Buffalo River	CSO 026							
Buffalo River	CSO 027							
Cazenovia Creek - C	CSO 030		A.				-	
Cazenovia Creek - C	CSO 031							
Buffalo River	CSO 032		-		-		_	
Buffalo River	CSO 033		-		-		_	
Cazenovia Creek - B Cazenovia Creek - C	CSO 035 CSO 036						-	
Cazenovia Creek - C	CSO 037		1		-			
Cazenovia Creek - C	CSO 038		1				-	_
Cazenovia Creek - C	CSO 039				-			
Cazenovia Craek - C	CSO 040					-		
Cazenovia Creek - C	CSO 041							
Cazenovia Creek - C	CSO 042							
Cazenovia Craek - C	CSO 043		-		-			
Cazenovia Creek - C	CSO 044 CSO 045		-				-	
Cazenovia Creek - C Cazenovia Creek - C	CSO 045				-		-	
Cazenovia Creek - C	CSO 047		1					
Cazenovia Creek - C	CSO 048	tt			-			
Cazenovia Creek - C	CSO 049						-	
Buffalo River	CSO 050							
Buffalo River	CSO 064		-					
n 46-1- mi	200 454							
Buffaio River	CSO 051	Satellite Storage Facility at Pawnee Parkway outlet to Buffalo River	\$	× .	\$	-	\$	
Bultalo River	CSO 052	Satellite Storage Facility at South Ogden outlet to Buffalo River - South Side	5		\$		8	
Period Links		South Store - South Store County of County to South Store - South Store	-	-	7		\$	
Comelius Creek	CSO 055	Satellite Storage Facility located at Riverside High School	5	107,899.587	5	2,842,791	5	110,742,378
		the state of the s			-	The section of	-	
Scajaquada Creek	CSO 056	Satellite Storage Facility located at Delaware Park	5	2,253,630	5	355,349	\$	2,609,179
Scajaquada Creek	CSO 060				1.7			
To Mala Chara	CSO 066	Satellite Storage Facility at South Ogden outlet to Buffalo River - North Side	5	669,407	\$	355,349	\$	1,014,756
BUITAIO FIVE	The state of the s	Partial Separation	-	PA 555 E	-	414	-	an cont
	000 000		\$	32,265,625		NA	\$	32,265,825
Buffalo River	CSO 028	T writer cooperation						
Buffalo River Buffalo River	CSO 029	(white objectation		-	-			
Buffalo River		T WITH SOCIETIES						
Buffalo River Buffalo River Buffalo River	CSO 029 CSO 034							
Buffalo River Buffalo River Buffalo River	CSO 029	Flemoval of stormwater sources						
Buffalo River Buffalo River	CSO 029 CSO 034		S	1,367,188		NA NA	5	1,367,168

Notes

Attornative 3A includes all modifications figure for Alternative 1. Table 5-7 limb only additional modifications in Attendative 3A part are not included in Alternative 1.

Alternative 3A 4-Month Sub-Total \$ 481,472,233 Alternative 1 Total Cost \$ 164,583,400

Alternative 3A 4-Month Total Cost \$ 648,055,633

Alternative 3A Costa by Receiving Water Body:

Black Rock Cenal
Buffalo River | \$ 173,964,165 | \$ 10,116,679 | \$ 184,052,844 |

Buffalo River | \$ 192,009,269 | \$ 184,074 | \$ 197,853,933 |

Cazerovia Creek - 13 5,098,961 | \$ 114,674 | \$ 213,835 |

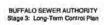
Cazerovia Creek - 15 40,101,732 | \$ 618,577 | \$ 40,720,309 |

Comelius Creek | \$ 116,699,567 | \$ 2,842,791 | \$ 119,462,377 |

Eric Basin | \$ 9,103,336 | \$ 485,286 | \$ 9,586,623 |

Nagara River | \$ 24,406,417 | \$ 1,511,748 | \$ 2,979,815 |

Scajaquada Creek | \$ 60,195,671 | \$ 2,970,315 | \$ 63,165,987 |





	CSOs Controlled	Description		Capital		O&M		Total
Black Rock Canal	CSO 003	Satellite Storage Facility located near Rich Marina	s		5	-	\$	-
Black Rock Canal	CSO 004	North - South Tunnel from the intersection of Forest Avenue and Niagara Street	3	134,099,395	5	7,162,369	\$	141,261,76
Black Rock Canal	CSO 005	along Niagara Street to the Intersection of School Street and Niagara Street						
Black Rock Canal	CSO 006 by way of tributary SPPs:	Cross Black Rock Canal at Latayette Avenue to Bird Island						
	SPP 179						-	
	SPP 180		-		-		-	
Black Rock Canal	SPP 331 CSO 007	The second secon	-	-	-		-	
Black Rock Canal	CSO 008		1		-		-	
Black Flock Canal	CSO 009		-		-			
Black Rock Canal	CSO 010		1					
Niagara River	CSO 011							
Black Rock Canal	CSO 012		I					
Black Rock Canal	CSO 061							
Black Rock Canal	CSO 062		-		-			
Scajequada Creek	CSO 057		-		-		-	
Scajaquada Creek Scajaquada Creek	CSO 058 CSO 059		-		-		-	
Son actual Crook	C30 033		-		-		-	
Scajaquada Creek	CSO 053 by way of SPPs along	East - West Tunnel parallel to Scajaquada Drain	3	142,557,050	5	6,974,280	5	149,531,33
	the Scalaguada Tunnel Interceptor						Y	
	and Scalaquada Drain:							
	SPP 156							
	SPP 157				_			
	SPP 163		-		-			
	SPP 166		-		-		-	
	SPP 170b SPP 178		-		-		-	
	SPP 178 SPP 200sāb		1		-		-	
	SPP 200880		-					
	SPP 202		1				-	
	SPP 203		-			-		
	SPP 204		1		-		-	
	SPP 229a							
	SPP 335							
	SPP 336a							
	SPP 336b							
	SPP 337							
	SPP 338		1					
	SPP 339						-	
	SPP 340							
	SPP 341a&b		_				_	
	SPP 345		-		-		-	
Black Rock Canal	CSO 013	October Description Control of a College Control	-	1 501 101	-	255.215		1 0 10 0 11
DRICK HOCK CAPAI	CSO 013	Satellite Storage Facility located at LaSalle Park (to be diverted to Swan Trunk or South Interceptor)	\$	4.594,494	2	355,349	3	4,949,843
	OCO OCO	(10 00 0110 100 011011 1110 1110 000011 Illian Copyright)	1					
Erie Basin	CSO 014	Tunnel from Cazenovia Park, along Cazenovia Creek, across Buffalo River	5	124,903,623	5	6,781,176	2	131,684,795
Ene Basin	CSO 015	at Bailiny Avenue, north along Bailey Avenue to Elk Street, west along Elk		12.7,000,08.0	-	9,701,170	-	131,001,73
Ene Basin	CSO 016	Street to South Park Avenue, West along South Park Avenue to the Skywity,			-		-	
Buffalo River	CSO 017	North under the Skyway to the I-190, North along the shoreline to the West						
Buffalo River	CSO 022	of the I-190 to Waterfront Village in the Erie Basin Marina area with additional					-	
Buffalo River	CSO 023	collector sewers as needed.						
Bulfalo River	CSO 025							
Buffalo River	CSO 026							
	CSO 027		-					
Cazenovia Creek - C	CSO 030		-				_	
Cazenovia Creek - C Cazenovia Creek - C	CSO 030 CSO 031							
Buffalo River Cazenovia Creek - C Cazenovia Creek - C Buffalo River	CSO 030 CSO 031 CSO 032							
Cazenovia Creek - C Cazenovia Creek - C Buffalo River Buffalo River	CSO 030 CSO 031 CSO 032 CSO 033							
Cazenovia Creek - C Cazenovia Creek - C Buffalo River Buffalo River Cazenovia Creek - B	CSO 030 CSO 031 CSO 032 CSO 033 CSO 035							
Cazenovia Creek - C Cazenovia Creek - C Buffalo River Buffalo River Cazenovia Creek - B Cazenovia Creek - C	CSO 030 CSO 031 CSO 032 CSO 033 CSO 035 CSO 036							
Cazenovia Creek - C Cazenovia Creek - C Buffalo River Buffalo River Cezenovia Creek - B Cazenovia Creek - C Cazenovia Creek - C	CSO 030 CSO 031 CSO 032 CSO 033 CSO 035 CSO 036 CSO 036							
Cazenovia Creek - C Cazenovia Creek - C Butfalo River Buffalo River Cazenovia Creek - B Cazenovia Creek - C Cazenovia Creek - C Cazenovia Creek - C Cazenovia Creek - C	CSO 030 CSO 031 CSO 032 CSO 033 CSO 035 CSO 036 CSO 037 CSO 037							
Cazenovia Creek - C Cazenovia Creek - C Butfalo River Buffalo River Cazenovia Creek - B Cazenovia Creek - C	CSO 030 CSO 031 CSO 032 CSO 033 CSO 035 CSO 036 CSO 036							
Cazenovia Creek - C Cazenovia Creek - C Buttelo River Butfalo River Cazenovia Creek - B Cazenovia Creek - C	CSO 030							
Cazenovia Creek - C Cazenovia Creek - C Butfalo River Buffalo River Cazenovia Creek - B Cazenovia Creek - C Cazenovia Creek - C Cazenovia Creek - C Cazenovia Creek - C	CSO 030							
Cazenovia Creek - C Cazenovia Creek - C Buffalo River Buffalo River Buffalo River Cazenovia Creek - B Cazenovia Creek - C	CSO 030							
Cazenovia Creek - C Cazenovia Creek - C Buffalo River Buffalo River Cazenovia Creek - B Cazenovia Creek - C Cazenovia Creek - C	CSO 030 CSO 031 CSO 032 CSO 032 CSO 033 CSO 036 CSO 036 CSO 037 CSO 038 CSO 039 CSO 040 CSO 040 CSO 041 CSO 042 CSO 042 CSO 043 CSO 043							
Cazenovia Creek - C Cazenovia Creek - C Buffalo River Buffalo River Cazenovia Creek - B Cazenovia Creek - B Cazenovia Creek - C	CSO 030							
Cazenovia Creek - C Cazenovia Creek - C Buffalo River Buffalo River Cazenovia Creek - B Cazenovia Creek - B Cazenovia Creek - C Cazenovia Creek - C	CSO 030 CSO 031 CSO 031 CSO 032 CSO 033 CSO 036 CSO 036 CSO 037 CSO 038 CSO 039 CSO 040 CSO 040 CSO 042 CSO 042 CSO 042 CSO 044 CSO 046							
Cazenovia Creek - C Zezenovia Creek - C Buffalo River Buffalo River Cazenovia Creek - B Cazenovia Creek - B Cazenovia Creek - C	CSO 030							
Cazenovia Creek - C Cazenovia Creek - B Buffalo Filver Buffalo Filver Cazenovia Creek - B Cazenovia Creek - B Cazenovia Creek - C Cazenovia Creek - C	(SSO 030 (SSO 031 (SSO 032 (SSO 033 (SSO 035 (SSO 036 (SSO 036 (SSO 038 (SSO 038 (SSO 040 (SSO 042 (SSO 042 (SSO 044 (SSO 044 (SSO 046 (SSO 046 (SSO 046 (SSO 047 (SSO 048							
Cazenovia Creek - C Zazenovia Creek - C Buffalo River Buffalo River Cazenovia Creek - B Cazenovia Creek - B Cazenovia Creek - B Cazenovia Creek - C	CSO 030							
Cazenovia Creek - C Cazenovia Creek - B Buffalo River Buffalo River Cazenovia Creek - B Cazenovia Creek - B Cazenovia Creek - C Cazenovia Creek - C	(SSO 030 (SSO 031 (SSO 032 (SSO 032 (SSO 036 (SSO 036 (SSO 036 (SSO 036 (SSO 036 (SSO 038 (SSO 039 (SSO 040 (SSO 042 (SSO 042 (SSO 044 (SSO 044 (SSO 044 (SSO 046 (SSO 047 (SSO 048 (SSO 048) (SSO 048							
Cazenovia Creek - C Gazenovia Creek - C Buffalo River Buffalo River Cazenovia Creek - B Gazenovia Creek - B Gazenovia Creek - B Gazenovia Creek - C	CSO 030							
Cazenovia Creek - C Cazenovia Creek - D Buffalo River Buffalo River Gazenovia Creek - B Cazenovia Creek - C Cazenovia Creek - C Buzenovia Creek - C	CSO 030 CSO 031 CSO 032 CSO 032 CSO 036 CSO 036 CSO 036 CSO 036 CSO 039 CSO 039 CSO 040 CSO 041 CSO 042 CSO 042 CSO 044 CSO 046	Satellite Storage Facility at Pawnee Parkway custed to Buffairo Filiwer		SKT BAT		355.340	3	910 097
Cazenovia Creek - C Cazenovia Creek - B Buffalo River Buffalo River Cazenovia Creek - B Cazenovia Creek - C Cazenovia Creek - C	(SSO 030 (SSO 031 (SSO 032 (SSO 032 (SSO 036 (SSO 036 (SSO 036 (SSO 036 (SSO 036 (SSO 038 (SSO 039 (SSO 040 (SSO 042 (SSO 042 (SSO 044 (SSO 044 (SSO 044 (SSO 046 (SSO 047 (SSO 048 (SSO 048) (SSO 048	Satelite Storage Facility at Pawnee Parkway outlet to Buffalo Filver	\$	563,681	\$	355,349	3	919,000
Cazenovia Creek - C Cazenovia Creek - D Buffalo River Buffalo River Gazenovia Creek - B Cazenovia Creek - C Cazenovia Creek - C Buzenovia Creek - C	CSO 030 CSO 031 CSO 032 CSO 032 CSO 036 CSO 036 CSO 036 CSO 036 CSO 039 CSO 039 CSO 040 CSO 041 CSO 042 CSO 042 CSO 044 CSO 046	Sattellife Storage Facility at Pawnee Parkway outlet to Buffalo River Satellife Storage Facility at South Opden outlet to Buffalo River - South Side	s	563,681 4,675,486		355,349 355,349		
Cazenovia Creek - C Azenovia Creek - C Buffalo River Buffalo River Buffalo River Cazenovia Creek - B Cazenovia Creek - B Cazenovia Creek - C Sazenovia Creek - C	CSO 030	Satellite Storage Facility at South Opden outlet to Buffalo River - South Side	-	4,675,486	\$	**********		5,030,838
Cazenovia Creek - C Buffalo River Buffalo River Cazenovia Creek - C Buffalo River Cazenovia Creek - C Suzenovia Creek - C	CSO 030 CSO 031 CSO 032 CSO 032 CSO 033 CSO 035 CSO 036 CSO 036 CSO 037 CSO 038 CSO 039 CSO 040 CSO 040 CSO 041 CSO 042 CSO 046 CSO 047 CSO 048 CSO 048 CSO 049 CSO 049 CSO 049 CSO 049 CSO 049 CSO 046 CSO 049 CSO 049 CSO 049 CSO 049 CSO 049 CSO 050 CSO 050		-		\$	**********	\$	5,030,838
Cazenovia Creek - C Dazenovia Creek - C Buffalo River Surfalo River Sazenovia Creek - B Dazenovia Creek - B Dazenovia Creek - B Dazenovia Creek - C Dazenovia Creek -	CSO 030 CSO 031 CSO 031 CSO 032 CSO 032 CSO 033 CSO 035 CSO 036 CSO 036 CSO 037 CSO 038 CSO 040 CSO 041 CSO 042 CSO 043 CSO 043 CSO 044 CSO 046 CSO 047 CSO 048 CSO 047 CSO 048 CSO 047 CSO 048 CSO 047 CSO 048 CSO 048 CSO 048 CSO 049 CSO 050 CSO 055	Satellite Storage Facility at South Opden outlet to Buffalo River - South Side Satellite Storage Facility located at Riverside High School	5	4,675,486 126,198,896	\$	355,349 3,553,488	\$	5,030,835 129,752,384
Cazenovia Creek - C Buffalo River Buffalo River Cazenovia Creek - B Buffalo River Cazenovia Creek - B Cazenovia Creek - B Cazenovia Creek - C Bazenovia Creek - C Buffalo River Buffalo River Suffalo River Comelius Creek Scajarquada Creek Scajarquada Creek	CSO 030 CSO 031 CSO 031 CSO 032 CSO 032 CSO 036 CSO 036 CSO 036 CSO 037 CSO 038 CSO 039 CSO 040 CSO 041 CSO 042 CSO 044 CSO 046 CSO 047 CSO 048 CSO 048 CSO 048 CSO 049 CSO 048 CSO 049 CSO 048 CSO 049 CSO 050 CSO 050 CSO 050 CSO 050	Satellite Storage Facility at South Opden outlet to Buffalo River - South Side	5	4,675,486	\$	355.349	\$	5,030,838
Cazenovia Creek - C Azenovia Creek - C Buffalo River Buffalo River Cazenovia Creek - B Cazenovia Creek - B Cazenovia Creek - B Cazenovia Creek - C Suzenovia Creek - C	CSO 030 CSO 031 CSO 031 CSO 032 CSO 032 CSO 033 CSO 035 CSO 036 CSO 036 CSO 037 CSO 038 CSO 040 CSO 041 CSO 042 CSO 043 CSO 043 CSO 044 CSO 046 CSO 047 CSO 048 CSO 047 CSO 048 CSO 047 CSO 048 CSO 047 CSO 048 CSO 048 CSO 048 CSO 049 CSO 050 CSO 055	Satellite Storage Facility at South Opden outlet to Buffalo River - South Side Satellite Storage Facility located at Riverside High School	5	4,675,486 126,198,896	\$	355,349 3,553,488	\$	5,030,835
Cazenovia Creek - C Buffalo River Buffalo River Cazenovia Creek - B Buffalo River Cazenovia Creek - B Cazenovia Creek - B Cazenovia Creek - C Sazenovia Creek - C Surfalo River Comelius Creek Scajanuada Creek Scajanuada Creek Scajanuada Creek	CSO 030 CSO 031 CSO 032 CSO 032 CSO 033 CSO 035 CSO 036 CSO 036 CSO 037 CSO 039 CSO 040 CSO 041 CSO 042 CSO 045 CSO 046 CSO 047 CSO 048 CSO 048 CSO 048 CSO 049 CSO 048 CSO 049 CSO 048 CSO 049 CSO 050 CSO 050 CSO 050 CSO 050	Setellite Storage Facility at South Ogden outlet to Buffalo River - South Side Setellite Storage Facility located at Riverside High School Satellite Storage Facility located at Delaware Park	5 5	4,675,486 126,198,896 2,900,689	\$	355,349 3,553,488 355,349	\$ 5	5,030,832 129,752,384 3,256,038
Cazenovia Creek - C Buffalo River Buffalo River Cazenovia Creek - B Buffalo River Cazenovia Creek - B Cazenovia Creek - B Cazenovia Creek - C Bazenovia Creek - C Buffalo River Buffalo River Suffalo River Comelius Creek Scajarquada Creek Scajarquada Creek	CSO 030 CSO 031 CSO 031 CSO 032 CSO 032 CSO 036 CSO 036 CSO 036 CSO 037 CSO 038 CSO 039 CSO 040 CSO 041 CSO 042 CSO 044 CSO 046 CSO 047 CSO 048 CSO 048 CSO 048 CSO 049 CSO 048 CSO 049 CSO 048 CSO 049 CSO 050 CSO 050 CSO 050 CSO 050	Satellite Storage Facility at South Opden outlet to Buffalo River - South Side Satellite Storage Facility located at Riverside High School	5	4,675,486 126,198,896	\$	355,349 3,553,488	\$ 5	5,030,835
Cazenovia Creek - C Buffalo River Buffalo River Cazenovia Creek - B Buffalo River Cazenovia Creek - B Cazenovia Creek - B Cazenovia Creek - C Comelius Creek Scajinquada Creek Scajinquada Creek Scajinquada Creek Sulfalo River	CSO 030 CSO 031 CSO 032 CSO 032 CSO 033 CSO 035 CSO 036 CSO 036 CSO 037 CSO 038 CSO 039 CSO 040 CSO 041 CSO 042 CSO 046 CSO 050 CSO 050 CSO 050 CSO 050 CSO 056	Satellite Storage Facility at South Opden outlet to Buffalo River - South Side Satellite Storage Facility located at Riverside High School Satellite Storage Facility located at Delaware Park Satellite Storage Facility at South Opden outlet to Buffalo River - North Side	5 S S	4,675,486 126,198,896 2,900,689 1,011,130	\$	355,349 3,553,488 355,349 355,349	\$ 5	5,030,832 129,752,384 3,256,038 1,366,475
Cazenovia Creek - C Buffalo River Buffalo River Cazenovia Creek - B Buffalo River Cazenovia Creek - B Cazenovia Creek - B Cazenovia Creek - B Cazenovia Creek - C Suffalo River Suffalo River Comelius Creek Scajarquada Creek Scajarquada Creek Scajarquada Creek Scajarquada Creek	CSO 030 CSO 031 CSO 031 CSO 032 CSO 032 CSO 033 CSO 035 CSO 036 CSO 037 CSO 039 CSO 040 CSO 041 CSO 042 CSO 042 CSO 046 CSO 046 CSO 047 CSO 048 CSO 046 CSO 047 CSO 048 CSO 046 CSO 047 CSO 047 CSO 048 CSO 048 CSO 048 CSO 048 CSO 049 CSO 049 CSO 050 CSO 056 CSO 056	Setellite Storage Facility at South Ogden outlet to Buffalo River - South Side Setellite Storage Facility located at Riverside High School Satellite Storage Facility located at Delaware Park	5 5	4,675,486 126,198,896 2,900,689	\$	355,349 3,553,488 355,349	\$ 5	5,030,832 129,752,384 3,256,038
Cazenovia Creek - C Buffalo River Buffalo River Cazenovia Creek - B Buffalo River Cazenovia Creek - B Cazenovia Creek - B Cazenovia Creek - C Suffalo River Suffalo River Suffalo River Suffalo River	CSO 030 CSO 031 CSO 031 CSO 032 CSO 032 CSO 035 CSO 036 CSO 036 CSO 037 CSO 038 CSO 040 CSO 040 CSO 041 CSO 042 CSO 046 CSO 047 CSO 048 CSO 049 CSO 049 CSO 049 CSO 049 CSO 050 CSO 050 CSO 064 CSO 050 CSO 066 CSO 056 CSO 056 CSO 056 CSO 056 CSO 056 CSO 066	Satellite Storage Facility at South Opden outlet to Buffalo River - South Side Satellite Storage Facility located at Riverside High School Satellite Storage Facility located at Delaware Park Satellite Storage Facility at South Opden outlet to Buffalo River - North Side	5 S S	4,675,486 126,198,896 2,900,689 1,011,130	\$	355,349 3,553,488 355,349 355,349	\$ 5	5,030,832 129,752,384 3,256,038 1,366,475
Cazenovia Creek - C Buffelo River Suffelo River Sazenovia Creek - B Sazenovia Creek - C	CSO 030 CSO 031 CSO 031 CSO 032 CSO 032 CSO 033 CSO 035 CSO 036 CSO 037 CSO 039 CSO 040 CSO 041 CSO 042 CSO 042 CSO 046 CSO 046 CSO 047 CSO 048 CSO 046 CSO 047 CSO 048 CSO 046 CSO 047 CSO 047 CSO 048 CSO 048 CSO 048 CSO 048 CSO 049 CSO 049 CSO 050 CSO 056 CSO 056	Satellite Storage Facility at South Opden outlet to Buffalo River - South Side Satellite Storage Facility located at Riverside High School Satellite Storage Facility located at Delaware Park Satellite Storage Facility at South Opden outlet to Buffalo River - North Side	5 S S	4,675,486 126,198,896 2,900,689 1,011,130	\$	355,349 3,553,488 355,349 355,349	\$ 5	5,030,832 129,752,384 3,256,038 1,366,475
Dazenovia Creek - C Butfelo River Sutfalo River Dazenovia Creek - C Butfelo River Dazenovia Creek - C Bazenovia Creek - C Butfalo River	CSO 030 CSO 031 CSO 031 CSO 032 CSO 032 CSO 035 CSO 036 CSO 036 CSO 037 CSO 038 CSO 040 CSO 040 CSO 041 CSO 042 CSO 046 CSO 056 CSO 056 CSO 056	Satellite Storage Facility at South Opden outlet to Buffalo River - South Side Satellite Storage Facility located at Riverside High School Satellite Storage Facility located at Delaware Park Satellite Storage Facility at South Opden outlet to Buffalo River - North Side Partial Separation	5 S S	4,675,486 126,198,896 2,900,689 1,011,130	\$	355,349 3,553,488 355,349 355,349	\$ 5	5,030,832 129,752,384 3,256,038 1,366,475
Azenovia Creek - C Justelo River	CSO 030 CSO 031 CSO 031 CSO 032 CSO 032 CSO 035 CSO 036 CSO 036 CSO 037 CSO 038 CSO 040 CSO 040 CSO 041 CSO 042 CSO 046 CSO 047 CSO 048 CSO 049 CSO 049 CSO 049 CSO 049 CSO 050 CSO 050 CSO 064 CSO 050 CSO 066 CSO 056 CSO 056 CSO 056 CSO 056 CSO 056 CSO 066	Satellite Storage Facility at South Opden outlet to Buffalo River - South Side Satellite Storage Facility located at Riverside High School Satellite Storage Facility located at Delaware Park Satellite Storage Facility at South Opden outlet to Buffalo River - North Side	5 S S	4,675,486 126,198,896 2,900,689 1,011,130	\$	355,349 3,553,488 355,349 355,349	\$ 5	5,030,832 129,752,384 3,256,038 1,366,475
Azeroniva Creek - C Justelo River Justelo Ri	CSO 030 CSO 031 CSO 031 CSO 032 CSO 032 CSO 035 CSO 036 CSO 036 CSO 037 CSO 038 CSO 040 CSO 040 CSO 041 CSO 042 CSO 046 CSO 056 CSO 056 CSO 056	Satellite Storage Facility at South Opden outlet to Buffalo River - South Side Satellite Storage Facility located at Riverside High School Satellite Storage Facility located at Delaware Park Satellite Storage Facility at South Opden outlet to Buffalo River - North Side Partial Separation	5 S S	4,675,486 126,198,896 2,900,689 1,011,130	\$	355,349 3,563,488 355,349 355,349 NA	\$ 5	5,030,832 129,752,384 3,256,038 1,366,475

Alternative 3A 6-Month Sub-Total \$ Alternative 1 Total Cost \$

Alternative 3A 6-Month Total Cost \$ 765,958,715

Alternative 3A Costs by Receiving Water Body:		Capital		MAO	1	Total
Black Rock Canal	\$	214,518,968	5	10,296,846	5	224,815,814
Buffalo River	\$	227,963,015	5	6,615,119	\$	234,578,134
Cazenovia Craek - B	5	5,734,410	\$	116,134	\$	5,850,544
Cazenovia Creek - C	5	43,523,521	5	625,361	\$	44,148,683
Comelius Creek	5	134,998,896	5	3,553,488	\$	138,552,385
Erie Basin	5	11,787,798	\$	490,608	5	12,278,406
Niagara River	\$	31,479,479	\$	1,544,926	\$	33,024,405
Scalaguada Creek	\$	69.714.568	\$	3.005.575	\$	72,720,143





Receiving Water Body	CSOs Controllad	Description	-		12-MC	onth Cost Estima	9	Total
Black Rock Canal	CSO 903	Satellite Storage Facility located near Rich Marina	\$	Capital 501,178	5	O&M 355,349	\$	Total 856,52
and a second sec					-			
Mack Rock Canal	CSO 004	North - South Tunnel from the intersection of Forest Avenue and Niagara Street	\$	201,398,396	\$	7,495,912	\$	208,894,30
Nack Rock Canal	CSO 005	along Niagara Street to the intersection of School Street and Niagara Street	-		-		-	
Black Flock Canal	CSO 006 by way of tributary SPPs: SPP 179	Cross Black Rock Canal at Lafayette Avenue to Bird Island	+	-	-			
	SPP 180	 	1		+		-	
	SPP 331							
Black Rock Canal	CSO 007							
Black Rock Canal	CSO 008							
Black Rock Canal	CSO 009							
Black Rock Canal	CSO 010				1	-		
Niagara Fliver	CSO 011		-		-		-	
Black Rock Canal	CSO 012		-		-			
Black Rock Canal Black Rock Canal	CSO 061 CSO 062		-		-		-	
Scajaquada Creek	CSO 057		1		-			
Scalaguada Creek	CSO 058		-		1		-	
Scajaquada Creek	CSO 059							
			-					
Scajequada Creek	CSO 053 by way of SPPs along the Scajaquada Tunnel Interceptor and Scajaquada Drain:	East - West Tunnel parallel to Scajaquada Drain	\$	209,002,199	\$	7,162,369	\$	216,164,56
	SPP 156							
	SPP 157							
	SPP 163		-		1		-	
	SPP 166		-		-		-	
	SPP 1706		-		-		-	
	SPP 178		-				-	
	SPP 200a&b SPP 201		-		1		-	
	SPP 201 SPP 202		1		1			
	SPP 203							
	SPP 204							
	SPP 229a							
	SPP 335							
	SPP 336a							
	SPP 336b		-		-		-	-
	SPP 337		-		-			
	SPP 338 SPP 339		-		-			
	SPP 340		+		-			
	SPP 341a&b		-					
_	SPP 345			-				
								_
Black Rock Canal	CSO 013	Satellite Storage Facility located at LaSalle Park	\$	5,430,812	\$	355,349	\$	5,788,16
	CSO 063	(to be diverted to Swan Trunk or South Interceptor)						
	000.00		-	100 05 1 710	-	0.011.570	-	100 000 101
Erie Basin	CSO 014	Tunnel from Cazenovia Park, along Cazenovia Creek, across Buffalo River	\$	182,051,742	8	6,941,678	5	188,993,420
Erie Basin Erie Basin	CSO 015 CSO 016	at Bailey Avenue, north along Bailey Avenue to Elk Street, west along Elk	-		-		-	_
Buffalo River	CSO 017	Street to South Park Avenue, West along South Park Avenue to the Skyway, North under the Skyway to the I-190, North along the shorelina to the West	-					
Buffalo River	CSO 022	of the I-190 to Waterfront Village in the Erie Basin Marina area with additional	1				-	
Buffalo River	CSO 023	collector sewers as needed.						
Buffalo River	CSO 025							
Buffalo River	CSO 026				_			
Suttalo River	CSO 027		-					
Cazenovia Creek - C	CSO 030		-					
Cazenovia Creek - C	CSO 031		-		-			
Buffelo River Buffelo River	CSO 032 CSO 033		+		-		-	
Cazenovia Creek - B	CSO 035		-		-		-	
Cazenovia Creek - C	CSO 036		1		-			
Cazenovia Creek - C	CSO 037							
Cazenovia Creek - C	CSO 038		1					
Cazenovia Creek - C	CSO 039		1				1	
Cazenovia Creek - C	CSO 040							
Cazenovia Creek - C	CSO 041				_			
Cazenovia Creek - C Cazenovia Creek - C	CSO 042 CSO 043		-		-		-	
Cazenovia Creek - C Cazenovia Creek - C	CSO 043 CSO 044		-		-		-	
Cazenovia Creek - C	CSO 045		1		-			
Cazenovia Creek - C	CSO 046							
Cazenovia Creek - C	CSO 047							
Cazenovia Creek - C	CSO 048							
Cazenovia Creek - C	CSO 049				-			
Buffalo River	CSO 050		-					
Butfalo River	CSO 064		-		-		-	
Buffalo River	CSO 051	Satellite Storage Facility at Pawnee Parkway outlet to Bulfalo River	5	2,440,166	3	355,349	5	2,796,515
Buffalo River	CSO 052	Satelfile Storage Facility at South Ogden outlet to Buffalo River - South Side	\$	13,976,978	3	355,349	S	14,332,327
Comeilus Creek	CSO 055	Satellite Storage Facility located at Riverside High School	5	150,272,556	S	4,264,186	5_	164,536,742
Scajaquada Creek Scajaquada Creek	CSO 060	Satellite Storage Facility located at Delaware Park	5	5,066,870	3	355,349	\$	5,422,219
Buffalo River	CSO 066	Satellite Storage Facility at South Ogden outlet to Buffalo River - North Side	5	2,171,125	S	355,349	\$	2,526,474
uffalo River	CSO 028	Dertiel Separation	4	32 200 000		NA.		22 255 500
Suffalo River	CSO 028	Partial Separation	\$	32,265,625	-	NA	\$	32,265,625
	CSO 029		-					
	Tanana Orta				-		-	
						and the same of th	-	
uffalo River	CSO 066	Removal of stormwater sources			-			
uttalo River	CSO 066	Removal of stormwater sources						
Sulfalo River	CSD 066 CSD 064	Removal of stormweter sources Sewer Separation	\$	1,367,188		NA .	\$	1,357,18

Alternative 3A 12-Month Sub-Total \$ Alternative 1 Total Cost \$ 843,941,074 164,583,400

Alternative 3A 12-Month Total Cost \$ 1,008,524,474

Afternative 3A Costs by Receiving Water Body:		Capital		O&M		Total
Black Rock Canal	\$	309,835,037	\$	11,030,407	5	320,865,444
Buffalo River	\$	287,065,599	5	6,746,459	\$	293,812,058
Cazenovia Creek - B	\$	6,713,122	\$	118,882	\$	6,832,005
Cazenovia Creek - C	5	48,793,733	\$	640,163	\$	49,433,896
Comelius Creek	5	169,072,556	\$	4,264,186	5	173,336,742
Erie Basin	5	15,922,382	\$	502,220	\$	16,424,603
Nagara River	\$	45,995,900	\$	1,616,871	\$	47,612,771
Scalaguada Creek	\$	97,129,905	\$	3,077,049	\$	100,206,954



Table 9-8 Alternative 3B Summary

Receiving Water Body	Location / CSOs Controlled	Description
Black Rock Canal	CSO 003	Satellite Storage Facility located near Rich Marina
DIADR FROM DUILD	000 000	Satoline Storage Facility resulted Fred Fred Fred Fred Fred Fred Fred Fr
Black Rock Canal	CSO 004	North - South Tunnel from the intersection of Forest Avenue and Niagara Stree
Black Rock Canal	CSO 005	along Niagara Street to the intersection of School Street and Niagara Street
Black Rock Canal	CSO 006 by way of tributary SPPs:	Cross Black Rock Canal at Lafayette Avenue to Bird Island
	SPP 179	
	SPP 180	
	SPP 331	
Black Rock Canal	CSO 007	
Black Rock Canal	CSO 008	1
Black Rock Canal	CSO 009	
Black Rock Canal	CSO 010	
Niagara River	CSO 011	
Black Rock Canal	CSO 012	
Black Rock Canal	CSO 061	
Black Rock Canal	CSO 062	
Scajaguada Creek	CSO 057	
	CSO 058	
Scajaquada Creek		
Scajaquada Creek	CSO 059	
Scajaquada Creek	CSO 053 by way of SPPs along the	East - West Tunnel parallel to Scajaquada Drain
THE RESERVE AND ADDRESS.	Scajaguada Tunnel Interceptor	
	and Scajaquada Drain:	
	SPP 156	
	SPP 157	
	SPP 163	
	SPP 166	
	SPP 170b	
	SPP 178	
	SPP 200a&b	
	SPP 201	
	SPP 202	
	SPP 203	
	SPP 204	
	SPP 229a	
	SPP 335	
	SPP 336a	
	SPP 336b	
	SPP 337	
	SPP 338	
	SPP 339	
	SPP 340	
	SPP 341a&b	
	SPP 345	
	0,1,010	
Disch Dock Const	CSO 013	Satellite Starage Facility Incested at LaSella Parts
Black Rock Canal		Satellite Storage Facility located at LaSalle Park
	CSO 063	(to be diverted to Swan Trunk or South Interceptor)
		The de diverse to even Hamilton Body Microspiery
Control of the Contro	CSO 030	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream
Cazenovia Creek - C	CSO 031	
Cazenovia Creek - C	The state of the s	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream
Cazenovia Creek - C Cazenovia Creek - B	CSO 031	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream
Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - C	CSO 031 CSO 035 CSO 036	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream
Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - C Cazenovia Creek - C	CSO 031 CSO 035 CSO 036 CSO 037	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream
Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - C Cazenovia Creek - C Cazenovia Creek - C	CSO 031 CSO 035 CSO 036 CSO 037 CSO 038	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream
Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - C Cazenovia Creek - C Cazenovia Creek - C Cazenovia Creek - C	CSO 031 CSO 035 CSO 036 CSO 037 CSO 038 CSO 039	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream
Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - C Cazenovia Creek - C Cazenovia Creek - C Cazenovia Creek - C Cazenovia Creek - C	CSO 031 CSO 035 CSO 036 CSO 037 CSO 038 CSO 038 CSO 040	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream
Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - C	CSO 031 CSO 035 CSO 036 CSO 037 CSO 038 CSO 038 CSO 040 CSO 041	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream
Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - C	CSO 031 CSO 035 CSO 036 CSO 037 CSO 038 CSO 039 CSO 040 CSO 041 CSO 042	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream
Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - C	CSO 031 CSO 035 CSO 036 CSO 037 CSO 038 CSO 039 CSO 040 CSO 041 CSO 041 CSO 042 CSO 043	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream
Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - C	CSO 031 CSO 035 CSO 036 CSO 037 CSO 038 CSO 039 CSO 040 CSO 041 CSO 042	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream
Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - C	CSO 031 CSO 035 CSO 036 CSO 037 CSO 038 CSO 039 CSO 040 CSO 041 CSO 041 CSO 042 CSO 043	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream
Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - C	CSO 031 CSO 035 CSO 036 CSO 037 CSO 038 CSO 039 CSO 040 CSO 041 CSO 042 CSO 043 CSO 043 CSO 044 CSO 045	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream
Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - C	CSO 031 CSO 035 CSO 036 CSO 036 CSO 037 CSO 038 CSO 039 CSO 040 CSO 041 CSO 042 CSO 043 CSO 044 CSO 044 CSO 045 CSO 045 CSO 045 CSO 046	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream
Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - C	CSO 031 CSO 035 CSO 036 CSO 036 CSO 037 CSO 038 CSO 039 CSO 040 CSO 041 CSO 042 CSO 043 CSO 044 CSO 044 CSO 045 CSO 045 CSO 045 CSO 046 CSO 047	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream
Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - C	CSO 031 CSO 035 CSO 036 CSO 037 CSO 037 CSO 038 CSO 039 CSO 040 CSO 041 CSO 041 CSO 042 CSO 043 CSO 045 CSO 047 CSO 048	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream
Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - C	CSO 031 CSO 035 CSO 036 CSO 036 CSO 037 CSO 038 CSO 039 CSO 040 CSO 041 CSO 042 CSO 043 CSO 044 CSO 044 CSO 045 CSO 045 CSO 045 CSO 046 CSO 047	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream
Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - B Cazenovia Creek - C	CSO 031 CSO 035 CSO 036 CSO 036 CSO 037 CSO 038 CSO 039 CSO 040 CSO 041 CSO 042 CSO 043 CSO 044 CSO 044 CSO 045 CSO 046 CSO 047 CSO 046 CSO 047 CSO 048 CSO 049	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream of the South Buffalo Pump Station
Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - B Cazenovia Creek - C	CSO 031 CSO 035 CSO 036 CSO 037 CSO 037 CSO 038 CSO 039 CSO 040 CSO 041 CSO 041 CSO 042 CSO 043 CSO 045 CSO 047 CSO 048	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream
Cazenovia Creek - C Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - C	CSO 031 CSO 035 CSO 036 CSO 036 CSO 037 CSO 038 CSO 039 CSO 040 CSO 041 CSO 042 CSO 043 CSO 044 CSO 044 CSO 045 CSO 046 CSO 047 CSO 046 CSO 047 CSO 048 CSO 049	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream of the South Buffalo Pump Station
Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - B Cazenovia Creek - C	CSO 031 CSO 035 CSO 036 CSO 036 CSO 037 CSO 038 CSO 039 CSO 040 CSO 041 CSO 042 CSO 043 CSO 044 CSO 044 CSO 045 CSO 046 CSO 047 CSO 046 CSO 047 CSO 048 CSO 049	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream of the South Buffalo Pump Station
Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - C Cornelius Creek	CSO 031 CSO 035 CSO 036 CSO 037 CSO 037 CSO 038 CSO 039 CSO 040 CSO 041 CSO 041 CSO 042 CSO 043 CSO 045 CSO 045 CSO 046 CSO 047 CSO 048 CSO 049 CSO 049 CSO 055	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream of the South Buffalo Pump Station Satellite Storage Facility located at Riverside High School
Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - C Cornelius Creek	CSO 031 CSO 035 CSO 036 CSO 036 CSO 037 CSO 038 CSO 039 CSO 040 CSO 041 CSO 042 CSO 043 CSO 044 CSO 045 CSO 045 CSO 045 CSO 046 CSO 047 CSO 048 CSO 049 CSO 049	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream of the South Buffalo Pump Station Satellite Storage Facility located at Riverside High School
Cazenovia Creek - C Cazenovia Creek - B Cazenovia Creek - C Cornelius Creek	CSO 031 CSO 035 CSO 036 CSO 037 CSO 037 CSO 038 CSO 039 CSO 040 CSO 041 CSO 041 CSO 042 CSO 043 CSO 045 CSO 045 CSO 046 CSO 047 CSO 048 CSO 049 CSO 049 CSO 055	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream of the South Buffalo Pump Station Satellite Storage Facility located at Riverside High School

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Alternative 3B includes all modifications listed for Alternative 1. Table 9-8 lists only additional modifications in Alternative 3B that are not included in Alternative 1.





Table 9-9 Alternative 3B Cost Estimate Summary

Receiving Water Body	Location / CSOs Controlled	Description			1-Mon	th Cost Estimat	Ð	
41 2 104 -				Capital		M&O	_	Total
Black Rock Canal	CSO 003	Satellite Storage Facility located near Rich Marina	5		\$		S	
Black Rock Canal	CSO 004	North - South Tunnel from the intersection of Forest Avenue and Niagara Street	\$	54,981,247	\$	6,723,496	5	61,704,74
Black Rock Canal	CSO 005	along Niagara Street to the intersection of School Street and Niagara Street	1	- 1100 (100 11	-		-	2742.2.42.3
Black Rock Canal	CSO 006 by way of tributary SPPs:	Cross Black Rock Canal at Lafayette Avenue to Bird Island			-			
Didok Hook Care	SPP 179	Cross Crack rook Carla at Larayere Avenue to 500 total						
	SPP 180							
	SPP 331							
Black Rock Canal	CSO 007							
Black Rock Canal	CSO 008				1	TT		
Black Rock Canal	CSO 009		1					
Black Rock Canal	CSO 010							
Niagara River	CSO 011							
Black Rock Canal	CSO 012							
Black Rock Canal	CSO 061							
Black Rock Canal	CSO 062		-		-		-	
	CSO 057		-				_	
Scalaquada Creek			-		-		_	
Scalaquada Creek	CSO 058		-		_		_	
Scalaquada Creek	CSO 059		-		-		-	
Scajaquada Creek	CSO 053 by way of SPPs along the	East - West Tunnel parallel to Scajaquada Drain	5	81,773,089	S	6,741,051	8	88,514,14
- Manager Court	Scalaquada Tunnel Interceptor	miner is seen a first but miner to according to the seen in		31177-01000		917 711901	-	0010 1:41 1:41
	and Scalaguada Drain:		1					
			-				-	
	SPP 156		+	_	-		-	
	SPP 157		1		-			
	SPP 163		-				-	_
h-	SPP 166							
	SPP 170b		_				_	
4	SPP 178							
	SPP 200a&b							
	SPP 201				1			
	SPP 202							
	SPP 203							
	SPP 204		1					
	SPP 229a		1				_	
17	SPP 335		-				-	
			-		-		-	
	SPP 336a		-		_		-	
	SPP 336b		-				_	
	SPP 337		-		_			
	SPP 338							
	SPP 339							
	SPP 340							
	SPP 341a&b							
	SPP 345							
Black Rock Canal	CSO 013	Satellite Storage Facility located at LaSalle Park	\$	* T	\$	K 1	\$	1.1
	CSO 063	(to be diverted to Swan Trunk or South Interceptor)	-		-			
	202711		-	10011101	_	12.212.22		
	CSO 030	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream	\$	11,244,024	5	6,642,612	\$	17,886,638
	CSO 031	of the South Buffalo Pump Station						
	CSO 035							
	CSO 036				150			
	CSO 037							
	CSO 038				1			
	CSO 039							
	CSO 040							
	CSO 041							
	CSO 042		1					
Cazenovia Creek - C	CSO 043		1					
	CSO 044						-	
	CSO 045		1		-		4	
			-					
	CSO 046		-		_		_	
	CSO 047		-				_	
	CSO 048		-		-			
Cazenovia Creek - C	CSO 049		-					
	000.000		-	10.000.00	-		-	
	CSO 055	Satellite Storage Facility located at Riverside High School	\$	49,723,064	\$	355,349	5	50,078,413
Cornellus Creek			1		-		2	
	000 000	Constitution Continue Continue Investor of the Continue C						
Scajaguada Creek	CSO 056	Satellite Storage Facility located at Delaware Park	\$	1,649,588	5	355,349	\$	2,004,937
Scajaguada Creek	CSO 056 CSO 060	Satellite Storage Facility located at Delaware Park	\$	1,649,588	5	355,349	\$	2,004,937
Scajaquada Creek Scajaquada Creek		Satellite Storage Facility located at Delaware Park Sewer Separation	\$	1,649,588	5	355,349 NA	5	1,367,188

Alternative 3B includes all modifications listed for Altamative 1. Table 9-9 lists only additional modifications in Alternative 3B that are not included in Alternative 1.

Alternative 3B t-Month Sub-Total \$
Alternative t Total Cost \$ 221,556,057 164,583,400

Alternative 3B 1-Month Total Cost \$ 386,139,457

Alternative 3B Costs by Receiving Water Body:		Capital		O&M		Total
Black Rock Canal	5	110,186,085	\$	9,452,687	\$	t t9,638,772
Buffalo River	S	87,237,792			\$	87,237,792
Cazenovia Creek - B	5	5,356,374	\$	1,040,372	\$	6,396,746
Cazenovia Creek - C	5	41,487,858	\$	5,602,240	\$	47,090,098
Cornellus Creek	S	58,523,064	\$	355,349	5	58,878,413
Erie Basin	5	2,751,200	1		\$	2,751,200
Niagara River	\$	14,413,664	\$	1,450,261	\$	15,863,925
Scalaguada Creek	S	45,365,562	\$	2,916,948	\$	48.282.510



Table 9-9 Alternative 3B Cost Estimate Summary

Receiving Water Body	Location /	Description			2-Mon	th Cost Estimat	9	
jevaning risasi sasay	CSOs Controlled			Capital	-	M&O		Total
Black Rock Canal	CSO 003	Satellite Storage Facility located near Rich Marina	\$	- 4	\$		\$	-
Black Rock Canal	CSO 004	North - South Tunnel from the Intersection of Forest Avenue and Niagara Street	\$	74,331,529		6,827,989	S	81,159,5
Black Rock Canal	CSO 005	along Niagara Street to the intersection of School Street and Niagara Street	-	14,001,025	-	0,027,000		01,109,0
Black Rock Canal	CSO 006 by way of tributary SPPs:	Cross Black Rock Canal at Lafayette Avenue to Bird Island	-				-	
SHECK HOCK CAMAI	SPP 179	Cross black Rock Carial at Larayette Avenue to bird Island						
	SPP 180				_			
	SPP 331		-		-		-	
Black Rock Canal	CSO 007		-		_		-	
Black Rock Canal	CSO 008		-		-		_	
Black Rock Canal	CSO 009							
Black Rock Canal	CSO 010							
Nagara River	CSO 011							
Black Rock Canal	CSO 012							
Black Rock Canal	CSO 061							
Black Rock Canal	CSO 062							
Scajaquada Creek	CSO 057							
Scajaquada Creek	CSO 058							
Scajaquada Creek	CSO 059		1				-	
scaladosos Creek	030 039		+				-	
Scajaguada Creek	CSO 053 by way of SPPs along the	East - West Tunnel parallel to Scajaquada Drain	S	109,726,303	\$	6,803,747	s	116,530,0
	Scalaguada Tunnel Interceptor				-		-	
	and Scajaqueda Drain:				-			
	SPP 156		1		-			
	SPP 157		1		100			
	SPP 163		9	11				
	SPP 166							
	SPP 170b							
	SPP 178	7					-	
	SPP 2008&b		+					
	SPP 201		-				-	
			-				-	
	SPP 202		-		-		-	
	SPP 203		-		_		-	
	SPP 204							
	SPP 229a							
	SPP 335							
	SPP 336a							
-	SPP 336b		1					
	SPP 337							
	SPP 338							
	SPP 339							
	SPP 340		-					
	SPP 341a&b		-					
	SPP 345				+			
ASSESSED OF					1 10			
Black Rock Canal	CSO 013	Satellite Storage Facility located at LaSalle Park	\$		\$		\$	-
	CSO 063	(to be diverted to Swan Trunk or South Interceptor)	+					
Cazenovia Creek - C	CSO 030	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream	\$	12,983,235	3	6,646,001	5	19,629,23
	CSO 031	of the South Buffalo Pump Station						
Cazenovia Creek - B	CSO 035		1					
	CSO 036		1					
	CSO 037		1					
	CSO 037		-				-	
			1		-	-	-	
	CSO 039		+		-		-	
	CSO 040		1		-		-	
	CSO 041		1	-			-	
	CSO 042		-		-			
	CSO 043				-	-		
Cazenovia Creek - C	CSO 044				11.			
Cazenovia Creek - C	CSO 045				1			
Cazenovia Creek - C	CSO 046							
Cazenovia Creek - C	CSO 047				-			
Cazenovia Creek - C	CSO 048		1					
Cazenovia Creek - C	CSO 048							
					_			
Cornelius Creek	CSO 056	Satellite Storage Facility located at Riverside High School	5	79.047,127	\$	1,421,395	\$	80,468,52
Scalaquada Creek	CSO 056	Satellite Storage Facility located at Delaware Park	5	1,956,085	5	355,349	\$	2,311,43
	CSO 060							
	000 000		_					
Scajaquada Creek Viagara River	CSO 054	Sewer Separation	s	1,367,188	-	NA	5	1,367,18

Note: Alternative 38 includies at modifications lested for Alternative 1. Table 9-9 lists only additional modifications in Alternative 38 that are not

included in Alternative 1.

301,465,948 164,583,400 Alternative 39 2-Month Sub-Total \$ Alternative 1 Total Cost \$

466,049,348

Alternative 3B Coate by Receiving Water Body:

Black Rock Canel 5

Buffalo River 5

Cazenovia Creek - B 5

Cazenovia Creek - C 5

Cornellus Creek 5

Erie Basin Niagara River 5

Scajaquada Creek 5

Total 152,267,010 87,237,792 6,669,674 48,559,770 89,268,522 2,751,200 20,060,327 59,236,053 Capitel 142,693,497 \$ O&M 9,573,513 142,693,497 \$
87,237,792 \$
5,628,771 \$
42,954,672 \$
87,847,127 \$
2,751,200 \$
18,587,527 \$
56,294,280 \$ 1,040,903 5,605,098 1,421,395 1,472,800 2,940,773

Alternative 3B 2-Month Total Cost \$



Table 9-9 Alternative 3B Cost Estimate Summary

Receiving Water Body	Location / CSOs Controlled	Description			3-Mont	h Cost Estimat	0	
THE PARTY OF LAND	TOWN TOWN THE PERSON NAMED IN COLUMN TO SERVICE AND SE			Capital		M&O		Total
Black Rock Canal	CSO 003	Satellite Storage Facility located near Rich Marina	5	*	5	>	\$	~
Black Rock Canal	CSO 004	North - South Tunnel from the Intersection of Forest Avenue and Niagara Street	\$	92,182,284	s	6,941,678	5	99,123,962
Black Rock Canal	CSO 005	along Niagara Street to the intersection of School Street and Niagara Street						
Black Rock Canal	CSO 006 by way of tributary SPPs:	Cross Black Rock Canal at Lafayetts Avenue to Bird Island						
	SPP 179							
	SPP 180		-				_	
	SPP 331		-		_			
Black Rock Canal	CSO 007		-				-	
Black Rock Canal	CSO 008		-					
Black Rock Canal	CSO 009		-					
Black Rock Canal	CSO 010		-					
Niagara River	CSO 011		-		_		-	
Black Rock Canal	CSO 012		+	_				
Black Rock Canal	CSO 061		-				-	
Black Rock Canal	CSO 062		-				_	
Scajaquada Creek	CSO 057		-				_	
Scalaquada Creek	CSO 058		-					
Scajaquada Creek	CSO 059		-				-	
Pastanuada Canali	COO DEG by the of CDGs stone the	Food Mont 7 word possibility Continue de Conte	-	444 000 000	-	0.000.004	-	110717000
Scajaquada Creek	CSO 053 by way of SPPs along the	East - West Tunnel parallel to Scajaquada Drain	\$	111,862,032	3	6,853,904	3	118,715,936
	Scalaguada Tunnel Interceptor		-				-	
	and Scalaquada Drain:		-				-	
	SPP 156		1		-		-	
	SPP 157		-		-		-	
	SPP 163		-		_			
	SPP 166		-		-		_	
	SPP 170b		-		-		-	
	SPP 178		-		_		-	
	SPP 200a&b		1					
	SPP 201		-		-			
	SPP 202		-		_		-	
	SPP 203		-					
	SPP 204		-		_		_	
	SPP 229a		-				_	
	SPP 335		-	-	_		_	
	SPP 336a		1				-	
	SPP 336b		-		_			
	SPP 337		-		_			
	SPP 338		-		_		-	
	SPP 339		-		_		_	
	SPP 340		-					
	SPP 341a&b		_		-		_	
	SPP 345		-		-			
Disal Casal	000 446	Contailling Changes Facility to contain and a College Book	-		-		-	
Black Rock Canal	CSO 013	Satellite Storage Facility located at LaSalie Park	\$		5	-	\$	
	CSO 063	(to be diverted to Swan Trunk or South Interceptor)	+		-			
	000 000		-	40.000.000	-		-	
	CSO 030	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream	S	16,186,353	\$	6,653,627	2	22,839,980
	CSO 031	of the South Buffalo Pump Station	-		-	_	_	
	CSO 035		+		-		-	
	CSO 036		-		-		_	
	CSO 037		-				-	
	CSO 038		-		-			
	CSO 039		+	-	-			
	CSO 040		1					
	CSO 041		1				_	
	CSO 042		-		-			
	CSO 043		1		-		-	
Cazenovia Creek - C			1		-			
Cazenovia Creek - C			1				-	
Cazenovia Creek - C	CCC 047		1		-			
	CSO 047		1			-		
	CSO 048		-		-		<u> </u>	
Cazenovia Creek - C	CSO 049		-	- 10		-	-	
Compline Crosh	CSO 055	Satellite Storage Facility located at Riverside High School	10	04 000 000	•	2 122 222		06 604 005
Cornelius Creek	C3C 000	Second Storage Facility located at niverside High School	\$	94,862,002	9	2,132,093	2	96,994,095
Spalanuada Crook	CSO 056	Sateliita Storage Facility located at Delaware Park	\$	2142102	•	355,349		2 400 512
Scajaquada Creek	CSO 060	Satoma Strage Facility located at Delaware Park	13	2,143,168	-0	300,449	3	2,498,517
Scajaquada Creek	030 090		-			_		
		Annual Control of the						
Niagara River	CSO 054	Sewer Separation	5	1,367,188		NA	\$	1,367,188

Alternative 3B includes all modifications listed for Alternative 1. Table 9-9 lists only additional modifications in Alternative 1.

Alternative 3B 3-Month Sub-Total	\$ 341,539,678
Alternative I Total Cost	\$ 164,583,400

Alternative 3B 3-Month Total Cost \$ 506,123,078

Alternative 3B Costs by Receiving Water Body:		Capital		O&M		Total
Black Rock Canal 5	\$	158,017,990	\$	9,693,776	\$	167,711,766
Buffalo River 5	\$	87,237,792			\$	87,237,792
Cazenovia Creek - B 5	\$	6,130,446	S	1,042,097	S	7,172,544
Cazenovia Creek - C 5	\$	45,656,115	\$	5,611,529	S	51,267,644
Cornelius Creek 5	5	103,662,002	\$	2,132,093	5	105,794,095
Erie Basin S	\$	2,751,200			\$	2,751,200
Nagara River 5	\$	22,437,942	S	1,497,323	5	23,935,265
Scalaguada Creek 5		57.292.940	S	2.959.832	S	80.252.772



Table 9-9 Alternative 3B Cost Estimate Summary

Black Rock Canal C	CSOs Controlled CSO 003 CSO 004	Description Satellite Storage Facility localed near Rich Marina	\$	Capital	5	M&O	2	Total
Black Rock Canal C Black Rock Canal C Black Rock Canal C Black Rock Canal C	CSO 004	Satellite Storage Facility located near Rich Marina	8	-			9	
Black Rock Canal C Black Rock Canal C Black Rock Canal C								
Black Rock Canal C Black Rock Canal C Black Rock Canal C		North - South Tunnel from the intersection of Forest Avenue and Niagara Street	5	101,308,251		7,008,554	\$	108,316,80
Black Rock Canal C			3	101,300,251	2	7,000,004	9	100,010,000
Black Rock Canal C	CSO 005	along Niagara Street to the Intersection of School Street and Niagara Street	+		-		-	
	CSO 006 by way of tributary SPPs:	Cross Black Rock Canal at Lafayette Avenue to Bird Island	-		_		_	
	SPP 179		1		_		-	
	SPP 180							
	SPP 331							
Black Book Canal C	CSO 007							
DIRCK HUCK COINS	CSO 008							
Black Rock Canal C	CSO 009							
Black Rock Canal C	CSO 010							
	CSO 011		1					
	CSO 012		+-					
	CSO 061		+				-	
			-		-		-	_
	CSO 062		-		-		-	
	CSO 057		1					
	CSO 058							
Scajaquada Creek C	CSO 059		111					
					_	2 101 114		
		East - West Tunnel parallel to Scajaquada Drain	\$	119,209,582	5	6,881,490	2	126,091,072
	Scajaquada Tunnel Interceptor		+		-			
8	and Scajaquada Drain:		1			-		
	SPP 156		4					
	SPP 157							
	SPP 163		dii					
	SPP 166							
	SPP 170b		_				_	
			+		_		-	
-	SPP 178		-		-		-	
	SPP 200a&b		-				_	
	SPP 201		1				_	
	SPP 202							
	SPP 203							
	SPP 204							
	SPP 229a							
	SPP 335		+				_	
			+		-	_	-	
	SPP 336a.		-		-		_	
	SPP 336b		_	-			_	
	SPP 337							
1	SPP 338							
	SPP 339							
	SPP 340		1		-			
-	SPP 341a8b		1					
	SPP 345		+		_			
	SFF 345		+-		-		-	
Black Rock Canal C	CSO 013	Satellite Storage Facility located at LaSalle Park	\$	4,203,202	6	355,349		4,568,551
	CSO 063	(10 be diverted to Swan Trunk or South Interceptor)	1	4,200,202	-	200,010	-	4,500,501
-	000	The transfer to estimate the street interespectal	1					
Cazenovia Creek - C	CSO 030	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream	\$	18,635,577	\$	6,660,405	5	25,295,982
	CSO 031	of the South Buffalo Pump Station						
	CSO 035		1					
Cazenovia Creek - C	CSO 036		1					
Cazenovia Creek - C	CSO 037		1		-		-	
Cazariovia Greek - C	200 000		+				-	
	CSO 038		+		-			
	CSO 039		+-		-		_	
	CSO 040		1				-	
	CSO 041		1					
Cazenovia Creek - C	CSO 042							
	CSO 043							
	CSO 044							
	CSO 045		1					
	CSO 046		1		-			
			+		-		-	
	CSO 047		+-		_	-	-	
Cazenovia Creek - C C	CSO 048		1		-		-	
Cazenovia Creek - C C	CSO 049		-		-			
			-		_		_	
Cornellus Creek C	CSO 055	Satellite Storage Facility located at Riverside High School	S	107,899,587	5	2,842,791	2	110,742,378
Carlania de Caral	CO are	Catalilla Starona Facility Innoted at Dalayses - Fact		0.000.000		900.000		0.500 170
Scajaquada Creek C	CSO 056	Satelille Storage Facility located at Delaware Park	\$	2,253,830	2	355,349	5	2,609,179
Scajaquada Creek C	CSO 060		-					
	200 854	C		4 000 400	-	ALA.		4.000
Nlagara River C	CSO 054	Sewer Separation	\$	1,367,188		NA.	5	1,367,188

Alternative 3B includes all modifications listed for Alternative 1. Table G-9 lists only additional modifications in Alternative 3B that are not

included in Alternative 1.

Alternative 3B 4-Month Sub-Total \$ 378,981,155 Alternative 1 Total Cost \$ 164,583,400

Alternative 3B 4-Month Total Cost \$ 543,564,555

Alternative 3B Costs by Raceiving Water Body:
Black Rock Canal
Buffalo River
Cazenovia Creek - B
Cazenovia Creek - C
Cornelius Creek
Erie Basin
Nilangra River Capital
173,934,165 \$
87,237,792
6,514,046 \$
47,721,739 \$
116,699,587 \$
2,751,200
24,406,417 \$
60,195,671 \$ Total 184,052,844 87,237,792 7,557,205 53,338,984 119,542,377 2,751,200 25,918,165 63,165,987 10,118,679 1,043,159 5,617,246 2,842,791 Nlagara River Scajaquada Creek 1,511,748 \$ 2,970,315 \$



Table 9-9 Alternative 3B Cost Estimate Summary

Receiving Water Body	Location / CSOs Controlled	Description			6-Mon	h Cost Estimat	e	
	75.40.01 C-F			Capital	_	MãO		Total
Black Rock Canal	CSO 003	Satellite Storage Facility located near Rich Marina	\$	~	S	_	5	
Black Rock Canal	CSO 004	North - South Tunnel from the intersection of Forest Avenue and Niagara Street	15	134,099,395	5	7,162,369	s	141,261,76
Black Rock Canal	CSO 005	along Niagara Street to the Intersection of School Street and Niagara Street	1	10,1000,000		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Black Rock Canal	CSO 006 by way of tributary SPPs:	Cross Black Rock Canal at Lafayette Avenue to Bird Island	+				-	
SINCK FOCK CHIMI	SPP 179	Cross black nook darial at catalyaria Avertue to bird island						
	SPP 180 SPP 331		-		_		_	
			+		-	-	-	
Black Rock Canal	CSO 007		+-		_		-	
Black Rock Canal	CSO 008							
Black Rock Canal	CSO 009		1					
Black Rock Canal	CSO 010						1	
Vlagara River	CSO 011							
Black Rock Canal	CSO 012							
Black Rock Canal	CSO 061							
Black Rock Canal	CSO 062		1					
Scajaquada Creek	CSO 057		1				1	
Scajaquada Creek	CSO 058		1				_	
	CSO 059		-				+	
Scajaquada Creek	000 003		1					
Scajaquada Creek	CSO 053 by way of SPPs along the	East - West Tunnel parallel to Scajaquada Drain	\$	142,557,050	\$	6,974,280	\$	149,531,33
	Scajaquada Tunnel Interceptor				-			
	and Scajaquada Drain:		1					
	SPP 156							
	SPP 157							
	SPP 163							
	SPP 166							
	SPP 170b				-			
	SPP 178		1					
	SPP 200a&b							
	SPP 201		-		-		-	
	SPP 202		+		_		-	
			-		_		-	
	SPP 203		-				_	
	SPP 204		-		_		_	
	SPP 229a		1_					
	SPP 335							
	SPP 336a							
	SPP 336b		1					
	SPP 337							
	SPP 338			-				
	SPP 339		1					
1	SPP 340		-					
	SPP 341a&b		+		-		-	
	SPP 345		+		_		-	
	011 010							
Black Rock Canal	CSO 013	Satellite Storage Facility located at LaSalie Park	15	4,594,494	5	355,349	5	4,949,84
	CSO 063	(to be diverted to Swan Trunk or South Interceptor)						
			-				_	
Cazenovia Creek - C	CSO 030	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream	S	25,379,802	\$	6,683,280	S	32,063,08
Cazenovia Creek - C	CSO 031	of the South Buffalo Pump Station						
Cazenovia Creek - B	CSO 035							
	CSO 036		-					
	CSO 037							
	CSO 038		1					
Cazenovia Creek - C	CSO 039							
Cazenovia Creek - C	CSO 040		1					
	CSO 041							
Cazenovia Creek - C	CSO 042							
Cazenovia Creek - C	CSO 043							
Cazenovia Creek - C	CSO 044				_			
Cazenovia Creek - C	CSO 045		1					
	CSO 046		-		-		-	
Carenavia Creek - C	CSD 047		-		-		-	
Cazenovia Creek - C	CSO 047		-		-		-	
Cazenovia Creek - C Cazenovia Creek - C	GSO 048 GSO 049		-		-	_	-	
Jazenovia Greek - C	000 013		-					
Cornelius Creek	CSO 055	Satellite Storage Facility located at Riverside High School	\$	126,198,896	\$	3,553,488	\$	129,752,38
	CSO 056	Satellite Storage Facility located at Delaware Park	\$	2,900,689	S	355,349	5	3,256,03
Scajaquada Creek								
Scajaquada Creek Scajaquada Creek	CSO 060				-	-	_	
		Sewer Separation	\$	1,367,188		NA	5	1,367,18

Alternative 35 includes all modifications list included in Alternative 1.

Allemative 3B 6-Month Sub-Total	\$ 462,181,529
Manuellius I Tatal Cant.	 154 502 400

626,765,029

Atternative 3B Costs by Receiving Water Body:		Capital		O&M.		Total
Black Rock Canal	5	214,518,968	S	10,296,846	\$	224,815,814
Buffalo River	5	87,237,792			\$	87,237,792
Cazenovia Creek - B	5	7,570,333	5	1,046,742	5	8,617,075
Cazenovia Creek - C	5	53,409,677	S	5,635,538	\$	59,046,215
Cornellus Creek	S	134,998,896	\$	3,553,488	S	138,552,385
Erie Basin	S	2,751,200			\$	2,751,200
Niagara River	S	31,479,479	5	1,544,926	S	33,024,405
Scajaguada Creek	S	69,714,568	5	3,005,575	5	72,720,143



Table 9-9 Alternative 38 Cost Estimate Summary

Receiving Water Body	Location / CSOs Controlled	Description			2-Mo	nth Cost Estima	e	
	CONTRACTOR OF THE PARTY OF THE			Capital	-	O&M		Total
Black Rock Canal	CSO 003	Satellite Storage Facility located near Rich Marina	\$	501,178	\$	355,349	S	856,52
Black Rock Canal	CSO 004	North - South Tunnel from the intersection of Forest Avenue and Niagara Street	5	201,398,396	5	7,495,912	5	208,894,30
Black Rock Canal	CSO 005	along Niagara Street to the Intersection of School Street and Niagara Street	10	201/030/030	-	7,700,312	-	200,004,00
Black Rock Canal	CSO 006 by way of tributary SPPs:	Cross Black Rock Canal at Lafayette Avenue to Bird Island	+-		-		-	_
DIACK FIOCK CANAL	SPP 179	Closs black nock canal at Emayette Avenue to bird Island	1					
	SPP 180							
	SPP 331							
Black Rock Canal	CSO 007							
Black Rock Canal	CSO 008		1					
Black Rock Canal	CSO 009		1					
Black Rock Canal	CSO 010	1	+				-	
Nlagara River	CSO 011		+					
Black Rock Canal	CSO 012		+				-	
	CSO 061		+		-			
Black Rock Canal Black Rock Canal	CSO 062		+		-		-	
			+		-		-	
Scajaguada Creek	CSO 057		-		-		-	
Scajaquada Creek	CSO 058		-				-	
Scajaquada Creek	CSO 059		-		_		_	
Scajaquada Creek	CSO 063 by way of CDDs sleep the	East - Wast Tunnel parallel to Scajaquada Drain	s	209,002,199	•	7,162,369		216,164,56
Scaladoada Cleak		East - Fresh Turner parallel to Scaladuada Urain	9	209,002,199	9	7,102,369	3	≥10,104,56
	Scalaguada Tunnel Interceptor		+		-			
	and Scalaquada Drain:		-		-		-	
	SPP 156		-		-		-	
	SPP 157		-		_			
	SPP 163					1		
	SPP 166		1					
	SPP 170b						1	
	SPP 178							
	SPP 200a&b							
	SPP 201		1					
	SPP 202		1	-	-			
	SPP 203		+				-	
	SPP 204		+		-		-	
			-				-	
	SPP 229a		-		-		-	
	SPP 335		-				_	
	SPP 336a							
	SPP 336b						1	
	SPP 337						1	
	SPP 338							
	SPP 339				1			
	SPP 340							
	SPP 341a&b							
	SPP 345		1					
Black Rock Canal	CSO 013	Saleilite Storage Facility located at LaSalle Park	\$	5,430,812	5	355,349	\$	5,786,161
	CSO 063	(to be diverted to Swan Trunk or South Interceptor)						- 1
	CSO 030	Tunnel from Cazenovia Park, along Cazenovia Creek, to interceptor upstream	\$	40,053,906	\$	6,737,504	\$	46,791,410
	CSO 031	of the South Buffalo Pump Station	12.			Dr. 10. (2)		
Cazenovia Creek - B	CSO 035				- 1			
Cazenovia Creek - C	CSO 036		1					
	CSO 037							
Cazenovia Creek - C	CSO 038							
	CSO 039		1					
	CSO 040		1		-	-		
	CSO 041		1		-			
	CSO 042		-		-		-	
			-		-		-	
	CSO 043		-				-	
	CSO 044		1		-			
	CSO 045						-	
	CSO 046		-				_	
	CSO 047							
	CSO 048							
Cazenovia Creek - C	CSO 049							
Cornelius Creek	CSO 055	Satellite Storage Facility located at Riverside High School	\$	160,272,556	\$	4,264,186	\$	164,536,742
				10 mm				
Scajaquada Creek	CSO 056	Satellite Storage Facility located at Delaware Park	5	5,066,870	\$	355,349	5	5,422,219
Scajaquada Creek	CSO 060							
	200							
Nagara River	CSO 054	Sewer Separation	\$	1,367,188		NA	5	1,367,18

Alternative SB includes all m

included in Alternative I.

Alternative 3B 12-Month Sub-Total \$ 649,819,123 Alternative | Total Cost \$ 164,583,400

Alternative 3B 12-Month Total Cost \$ 814,402,523

Alternative 3B Costs by Receiving Water Body:

Black Rock Canal Suffalo River S
Cazenovia Creek - B S
Cazenovia Creek - C
Cornellus Creek S
Erie Basin S
Nicorae Black Capital 309,835,037 \$ 87,237,792 9,868,606 \$ 65,785,509 \$ 169,072,556 \$ 2,751,200 45,995,900 \$ Total 320,865,444 87,237,792 10,923,840 71,467,778 173,336,742 2,751,200 47,612,771 O&M 11,030,407 \$ 1,055,234 5,682,269 4,264,186 Niagara River 1,616,871 Scajaquada Creek \$ 97,129,905 \$ 3,077,049



Table 9-10 Alternative 4A Summary

Receiving Water Body	CSOs Controlled	Description
Black Rock Canal	CSO 003	Enhanced High-Rate Clarification Facility at Rich Marina
Black Rock Canal	CSO 004	Enhanced High-Rate Clarification Facility at
		Erie County Industrial Development Agency
Black Rock Canal	CSO 006	Enhanced High-Rate Clarification Facility at
		City of Buffalo Lot
		City of Buffalo Lot
		Knight, Anthony / City of Buffalo
Black Rock Canal	CSO 010	Enhanced High-Rate Clarification Facility at
		Erie County Industrial Development Agency
Black Back Canal	000 010	Enhanced Link Bata Clarification Facility at
Black Rock Canal	CSO 012	Enhanced High-Rate Clarification Facility at
		Ciminelli International Services LLC
Black Rock Canal	CSOs 008, 061	Enhanced High-Rate Clarification Facilities Brown
DIAGRATION CANA	2300 000, 001	Cameron / Erie Niagara Public Benefit Funding Corporation
		Carretorn Elle Magara Fubile Berleit Furturing Corporation
Black Rock Canal	CSOs 013, 063	Enhanced High-Rate Clarification Facility at
E19101111111111111111111111111111111111		City of Buffalo Water Department
Black Rock Canal	CSOs 003, 004	Partial Separation
Black Rock Canal	CSOs 005, 006	
Black Rock Canal	CSOs 007, 009	
Black Rock Canal	CSOs 010, 012	
Black Rock Canal	CSOs 062, 063	
Black Rock Canal	CSOs 008, 061	
Buffalo River	CSO 017	Enhanced High-Rate Clarification Facility at
		City of Buffalo Lot
D. Hala Diver	000 017	Double Concretion
Buffalo River	CSO 017	Partial Separation
Buffalo River	CSO 022	Enhanced High-Rate Clarification Facility at
Sultaio Tilvoi	COO ULL	Buffalo Motor and Generator Corporation
		Danial Motor and deficiation desperation
Buffalo River	CSO 025	Enhanced High-Rate Clarification Facility at
		Killian-Black Trucking, Inc.
		Tanker Disert Freehing; Inc.
Buffalo River	CSO 026	Enhanced High-Rate Clarification Facility at Erie County Lot
Buffalo River	CSO 027	Enhanced High-Rate Clarification Facility at
Junaio i livoi	000 021	P.V.S Chemicals, Inc.
		1 .v.o Orientidas, inc.
Buffalo River	CSOs 028, 029	Enhanced High-Rate Clarification Facility at
Junalo Flivel	0003 020, 023	1346 South Park Associates LLC
		TOTO GOULT I AIN ASSOCIATES LLO



Table 9-10 Alternative 4A Summary

Receiving Water Body	CSOs Controlled	Description
Buffalo River	CSO 033	Enhanced High-Rate Clarification Facility at
		City of Buffalo Lot
Buffalo River	CSO 034	Enhanced High-Rate Clarification Facility at
Dullalo Filver	000 004	City of Buffalo, Parks and Recreation Lot
D # 1- D:	000 050	
Buffalo River	CSO 050	Enhanced High-Rate Clarification Facility at Derigo Sales, Inc. / Vacant Lot
		Derigo Sales, Inc. / Vacant Lot
Buffalo River	CSO 051	Enhanced High-Rate Clarification Facility at
		Buffalo Municipal Housing Authority Lot
Buffalo River	CSO 052	Enhanced High-Rate Clarification Facility at
		South Ogden Estate, Ltd. / Vacant Lot
Duffala Diver	000 004	Enhanced With Data Clauffication Facility of
Buffalo River	CSO 064	Enhanced High-Rate Clarification Facility at City of Buffalo, Parks and Recreation Lot
		City of Bullalo, Parks and Necreation Lot
Buffalo River	CSO 066	Enhanced High-Rate Clarification Facility at
		City of Buffalo Lot
Cazenovia Creek - B	CSO 035	Enhanced High-Rate Clarification Facility at Cazenovia Park
Cazenovia Creek - C	CSOs 037, 039	Enhanced High-Rate Clarification Facility at Cazenovia Park
Cazenovia Creek - C	CSO 044	Enhanced High-Rate Clarification Facility at
		South Side Catholic Club, Inc.
Cazenovia Creek - C	CSOs 046, 049	Enhanced High-Rate Clarification Facility at Vacant Lot
Cazenovia Creek - C	CSOs 047, 048	Enhanced High-Rate Clarification Facility at
Saconoria oroca o	0000017,010	City of Buffalo Lot
Cazenovia Creek - C	CSOs 047, 048	Partial Separation
Cornelius Creek	CSO 055	Enhanced High-Rate Clarification Facility at
Cornellus Creek	030 033	City of Buffalo Lot
Cornelius Creek	CSO 055	Partial Separation
Erie Basin	CSO 014	Enhanced High-Rate Clarification Facility at
		City of Buffalo Lot
Erie Basin	CSOs 015, 016	Enhanced High-Rate Clarification Facility at
		City of Buffalo Lot
Erie Basin	CSOs 014, 015, 016	Partial Separation



Table 9-10 Alternative 4A Summary

Receiving Water Body	CSOs Controlled	Description
Niagara River	CSO 011	Enhanced High-Rate Clarification Facility at Broderick Park
Niagara River	CSO 054	Enhanced High-Rate Clarification Facility at Riverside Park
Niagara River	CSO 054	Partial Separation
Scajaquada Creek	CSO 053 controlled	Enhanced High-Rate Clarification Facilities at
	at tributary SPPs	Canisius College
		City of Buffalo Lot
		City of Buffalo Lot / Boys Club of Buffalo
		/Tabernacle Baptist Church
		B T Realty Corporation
		Nevins Thomas / Vacant Lot
		American Axle and Manufacturing Corporation
		Niagara Mohawk Power Corporation
		Schilier Park
		Schiller Park
Scajaquada Creek	CSO 056	Enhanced High-Rate Clarification Facility at Delaware Park
Scajaquada Creek	CSOs 057, 058	Enhanced High-Rate Clarification Facility at
		Fedco Automotive
Scajaquada Creek	CSO 059	Enhanced High-Rate Clarification Facility at Erie County
		Industrial Development Agency
Scajaquada Creek	CSO 060	Enhanced High-Rate Clarification Facility at
		City of Buffalo Lot
Scajaquada Creek	CSOs 053, 056	Partial Separation
	CSOs 057, 058	

Note:

Alternative 4A includes all modifications listed for Alternative 1. Table 9-10 lists only additional modifications in Alternative 4A that are not included in Alternative 1.





Receiving Water Body	CSOs Controlled	Description			t-Mon	th Cost Estimat	8	211
A CONTRACTOR OF STREET	Factor and Francisco Committee of The	Enhanced High-Rate Clarification Facility at Rich Marina		Capital		M&O		Total
Black Rock Canal	CSO 003	Ennanced High-Hate Clarification Facility at Hich Marina	S	-	\$	-	\$	_
Black Rock Canal	CSO 004	Enhanced High-Rate Clarification Facility at Erie County Industrial Development Agency	\$	9,456,016	\$	1,425,907	\$	10,881,9
Black Rock Canal	CSO 006	Enhanced High-Rate Clarification Facility at	-				-	
black rock carla	000 000	City of Buffalo Lot	\$	7,909,792	\$	1,006,733	5	8,916,5
		City of Buffalo Lot	\$	6,265,625		t,139,292		7,404,9
		Knight, Anthony / City of Buffalo	\$	-	\$		5	
Black Rock Canal	CSO 010	Enhanced High-Rate Clarification Facility at Eric County Industrial Development Agency	\$	3,259,713	\$	863,426	\$	4,123,1
Dinah Bash Canal	CSO 012	Enhanced High-Rate Clarification Facility at		20,022,588		0.000.700		22.056.2
Black Rock Canal	CSC 012	Ciminelli International Services LLC	\$	20,022,588	3	3,933,783	9	23,956,3
Black Rock Canal	CSOs 008, 061	Enhanced High-Rate Clarification Facilities Brown Cameron / Erie Niagara Public Benefit Funding Corporation	\$	1,474,316	\$	703,638	5	2,177,9
Black Rock Canal	CSOs 013, 063	Enhanced High-Rate Clarification Facility at City of Buffalo Water Department	\$	1-2	S	- 14	\$	
Black Rock Canal	CSOs 003, 004	Partial Separation	\$	13,125,000		NA	\$	13,125,0
Black Rock Canal	CSOs 005, 006 CSOs 007, 009		-		_		-	
Black Rock Canal Black Rock Canal	CSOs 010, 012	-			-	_	-	
Black Rock Canal	CSOs 062, 063		-				-	
Black Rock Canal	CSOs 008, 061							
	11.44							
Buffalo River	CSO 017	Enhanced High-Rate Clarification Facility at City of Buffalo Lot	5	6,374,471	S	1,139,292	5	7,513,7
Buffelo River	CSO 017	Partial Separation	\$	9,375,000		NA	\$	9,375,0
Buffalo River	CSO 022	Enhanced High-Rate Clarification Facility at	5		\$		S	
		Buffalo Motor and Generator Corporation						
Bulfalo River	CSO 025	Enhanced High-Rate Clarification Facility at	\$		\$	7.	Š	-
		Killian-Black Trucking, Inc.	-					
Buffalo River	CSO 026	Enhanced High-Rate Clarification Facility at Erie County Lot	\$	5,471,695	\$	1,006,733	\$	6,478,4
Buffalo River	CSO 027	Enhanced High-Rate Clarification Facility at P.V.S Chemicals, Inc.	s	1,159,496	\$	647,749	S	1,807,24
Buffalo River	CSOs 028, 029	Enhanced High-Rate Clarification Facility at 1346 South Park Associates LLC	\$	7,292,966	s	1,425,907	\$	8,718,8
Buffalo River	CSO 033	Enhanced High-Rate Clarification Facility at	\$	14	5		\$	
aranaga nin sa		City of Buffalo Lot				-		
Buffalo River	CSO 034	Enhanced High-Rate Clarification Facility at City of Buffalo, Parks and Recreation Lot	\$	-	\$	9	\$	1.
Buffalo River	CSO 050	Enhanced High-Rate Clarification Facility at Derigo Sales, Inc. / Vacant Lot	\$	141	\$	- 3	\$	
Buffalo River	CSO 051	Enhanced High-Rate Clarification Facility at	s		\$	- 3	\$	
		Buffalo Municipal Housing Authority Lot						
Buffalo River	CSO 052	Enhanced High-Rate Clarification Facility at South Ogden Estate, Ltd. / Vacant Lot	\$		\$		5	
Buffalo River	CSO 064	Enhanced High-Rate Clarification Facility at City of Buffalo, Parks and Recreation Lot	s	960,455	\$	647,749	\$	1,608,20
Buffalo River	CSO 066	Enhanced High-Rate Clarification Facility at	\$	7,270,944	\$	1,425,907	\$	8,595,85
	200 000	City of Buffalo Lot						
Cazenovia Creek - B	CSO 035	Enhanced High-Rate Clarification Facility at Cazenovia Park	5	714,535	5	647,749	\$	1,362,20
Cazenovia Creek - C	CSOs 037, 039	Enhanced High-Rate Clarification Facility at Cazenovia Park	\$		\$		\$	- 34
Cazenovia Creek - C	CSO 044	Enhanced High-Rate Clarification Facility at South Side Catholic Club, Inc.	\$		\$	- 1	\$	
Cazenovia Creek - C	CSOs 046, 049	Enhanced High-Rate Clarification Facility at Vacant Lot	\$	(*	\$		\$	
Cazenovia Creek - C	CSOs 047, 048	Enhanced High-Rate Clarification Facility at	\$	2,058,951	\$	753,079	\$	2,812,0
		City of Buffalo Lot						
Cazenovia Creek - C	CSOs 047, 048	Partial Separation	\$	1,835,938		NA	S	1,835,93
Cornelius Creek	CSO 055	Enhanced High-Rate Clarification Facility at City of Buffalo Lot	\$	64,613,686	5	15,735,133	\$	80,348,81
Cornelius Creek	CSO 055	Partial Separation	\$	5,000,000		NA	\$	5,000,00
Erle Basin	CSO 014	Enhanced High-Rate Clarification Facility at	s		\$		s	
LIN ORBIT	OGO UTA	City of Buffalo Lot	3		,		3	
rie Basin	CSOs 015, 016	Enhanced High-Rate Clarification Facility at	\$	1,730,782	\$	703,638	S	2,434,42
		City of Buffelo Lot						
rie Basin	CSOs 014, 015, 016	Partial Separation	S	468,750		NA	\$	468,75



Table 9-11 Atternative 4A Cost Estimate Summery

Receiving Water Body	CSOs Controlled	Description	1		1-Mor	ith Cost Estimat	8	
naceiving water body	Caca Controlled	Description		Capital		OAM		Total
Niagera River	CSO 011	Enhanced High-Rate Clarification Facility at Broderick Park	\$	7,127,995	\$	1,425,907	\$	8,553,902
Niagara River	CSO 054	Enhanced High-Rate Clarification Facility at Riverside Park	s	4,021,807	5	753,079	\$	4,774,886
Niagara River	CSO 054	Partial Separation	\$	2,304,688		NA	\$	2,304,688
Scalaquada Creek	CSO 053 controlled	Enhanced High-Rate Clarification Facilities at						
	at tributary SPPs	Canisius College	\$	25,498,278	\$	1,984,805	\$	27,483,083
	1	City of Buffalo Lot	15	- A	5		\$	
		City of Buffalo Lot / Boys Club of Buffalo	S	19,562,500	\$	3,933,783	\$	23,496,283
		/Tabernacie Baptist Church					1	
		B T Realty Corporation	\$	2,515,625	5	805,387	\$	3,321,012
		Nevins Thomas / Vacant Lot	\$		\$	-	\$	-
		American Axle and Manufacturing Corporation	\$	11,734,375	\$	1,984,805	\$	13,719,180
		Niagara Mohawk Power Corporation	15	19,562,500	5	3,933,783	5	23,496,283
		Schiller Park	15	19,562,500	\$	3,933,783	5	23,496,283
		Schiller Park	5		5	•	\$	- 64
Scajaquada Creek	CSO 056	Enhanced High-Rate Clarification Facility at Delaware Park	s		\$		\$	
Scalaquada Creek	CSOs 057, 058	Enhanced High-Rate Clarification Facility at	\$	-	5		\$	-
		Fedco Automotive						
Scajaquada Creek	CSO 059	Enhanced High-Rate Clarification Facility at Erie County	\$		5		5	
		Industrial Development Agency	1				_	
Scajaquada Creek	CSO 060	Enhanced High-Rate Clarification Facility at	\$	856,808	S	647,749	\$	1,504,557
		City of Buffalo Lot	100					
Scajaquada Creek	CSOs 053, 056	Partial Separation	\$	585,938		NA	5	585,938
	CSOs 057, 058							

Note

Alternative 4A includes at modifications listed for Alternative 1. Table 9-11 lists only additional modifications in Alternative 4A that are not included in Alternative 1. Alternative 4A 1-Month Sub-Total \$ 341,782,528 Alternative 1 Total Cost \$ 164,583,400

Alternative 4A 1-Month Total Cost \$ 506,365,928

Alternative 4A Cost by Receiving Weter Body:

Black Rock Canal \$ 138,908,233 \$ 19,350,115 \$ 158,258,347 \$

Buffalo River \$ 125,142,818 \$ 6,233,337 \$ 131,436,155 \$

Cazenovia Creek - B \$ 4,309,859 \$ 647,749 \$ 4,957,907 \$

Cazenovia Creek - C \$ 35,899,772 \$ 753,079 \$ 36,652,852 \$

Cornellus Creek \$ 76,413,686 \$ 15,735,133 \$ 94,148,618 \$

Eric Basin \$ 4,950,732 \$ 703,638 \$ 5,654,370 \$

Niegara River \$ 14,641,489 \$ 2,178,986 \$ 18,820,476 \$

Scajaquada Creek \$ 51,490,541 \$ 6,946,760 \$ 58,437,301



Receiving Water Body	CSOs Controlled	Description		Capital	Z-Mus.	th Cost Estimat O&M	Ī	Total
Black Rock Canal	CSO 003	Enhanced High-Rate Clarification Facility at Rich Marina	\$	-	\$	-	S	1000
Black Rock Canal	CSO 004	Enhanced High-Rate Clarification Facility at	s	41,534,141	5	7,867,566	5	49,401,70
Grant Production	000 107	Erie County industrial Development Agency	_	11,001,131	*	7,007,000	-	10,101,10
Black Rock Canal	CSO 006	Enhanced High-Rate Clarification Facility at			-			
	17 44 4 1	City of Buffalo Lot	\$	9,472,292		1,139,292		10,611,58
		City of Buffalo Lot Knight, Anthony / City of Buffalo	\$	1,734,375		1,984,805 753,079		13,719,180
							1	
Black Rock Canal	CSO 010	Enhanced High-Rate Clarification Facility at Erie County industrial Development Agency	5	4,822,213	5	1,006,733	\$	5,828,946
						2222		
Black Rock Canal	CSO 012	Enhanced High-Rate Clarification Facility at Climinelli Infernational Services LLC	\$	20,022,588	2	3,933,783	\$	23,956,37
81 1 8 1 8 1	CCC- coc cos	Edward Hala St. Olade at Earling B.		14 4 15 555		/ 602 862	_	10.000.00
Black Rock Canal	CSOs 008, 061	Enhanced High-Rate Clarification Facilities Brown Cameron / Erie Niagara Public Benefit Funding Corporation	\$	11,943,066	5	1,984,805	5	13,927,87
Black Rock Canal	CSOs 013, 063	Enhanced High-Rate Clarification Facility at	5			-		38
DIECK NOCK CARRY	C305 013, 063	City of Buffalo Water Department	3		5		\$	
Black Rock Canal	CSOs 003, 004	Partial Separation	S	13,125,000	-	NA	\$	13,125,000
Black Rock Canal	CSOs 005, 006	r a oa separadar	1	13,123,000		MA		13,123,000
Black Rock Canal	CSOs 007, 009						1	
Black Rock Canal Black Rock Canal	CSOs 010, 012 CSOs 062, 063		-		_		_	
Black Rock Canal	CSOs 008, 061							
B. M. J. Bl. C.	CSO 017	Edward Hall Barr Ch. Waster Earlie at		0.400.474	_	4 004 005		11 100 10
Bullalo River	CSO 017	Enhanced High-Rate Clarification Facility at City of Buffalo Lot	\$	9,499,471	2	1,691,025	5	11,190,496
Buffalo River	CSO 017	Partial Separation	\$	9,375,000		NA	\$	9,375,000
			3				3	
Buffalo River	CSO 022	Enhanced High-Rate Clarification Facility at Buffalo Motor and Generator Corporation	5	1,701,149	\$	647,749	\$	2,348,898
							-	9
Buffalo River	CSO 025	Enhanced High-Rate Clarification Facility at Killian-Black Trucking, Inc.	\$	140	\$	-	\$	-
Buffalo River	CSO 026	Enhanced High-Rate Clarification Facility at Erie County Lot	\$	20,331,070	\$	3,933,783	\$	24,264,853
Buffalo River	CSO 027	Enhanced High-Rate Clarification Facility at	\$	1,159,496	\$	647,749	\$	1,807,245
		P.V.S Chemicals, Inc.						
Buffalo River	CSOs 028, 029	Enhanced High-Rate Clarification Facility at	\$	11,980,466	\$	1,984,805	\$	13,965,271
		1346 South Park Associates LLC						
Buffalo River	CSO 033	Enhanced High-Rate Clarification Facility at	\$	1,122,913	\$	647,749	\$	1,770,662
		City of Buffalo Lot						
Buffalo River	CSO 034	Enhanced High-Rate Clarification Facility at City of Buffslo, Parks and Recreation Lot	\$	-	\$		S	- 19
		City of Bulliato, Parks and Nacional Lot						
Buffalo River	CSO 050	Enhanced High-Rata Clarification Facility at Derigo Sales, Inc. / Vacant Lot	\$		5	- 31	\$	
Buffalo River	CSO 051	Enhanced High-Rate Clarification Facility at Buffalo Municipal Housing Authority Lot	5		\$		\$	
Buttalo River	CSO 052	Enhanced High-Rate Clarification Facility at South Ogden Estate, Ltd. / Vacant Lot	\$	16	\$	-	\$	-
Buffalo River	CSO 064	Enhanced High-Rate Clarification Facility at City of Buffato, Parks and Recreation Lot	5	1,585,455	\$	703,638	S	2,289,093
Buffalo River	CSO 066	Enhanced High-Rate Clarification Facility at City of Buffalo Lot	s	11,958,444	\$	1,984,805	\$	13,943,249
	040 444							750.00
Cazenovia Creek - B	CSO 035	Enhanced High-Rate Clarification Facility at Cazenovia Park	\$	1,339,535	*	703,638	3	2,043,173
Cazenovia Creek - C	CSOs 037, 039	Enhanced High-Rate Clarification Facility at Cazenovia Park	5	4,367,184	\$	805,387	5	5,172,571
Cazenovia Creek - C	CSO 044	Enhanced High-Rate Clarification Facility at	5		5		\$	
		South Side Catholic Club, Inc.					-	
Cazanovia Creek - C	CSOs 046, 049	Enhanced High-Rate Clarification Facility at Vacant Lot	\$		5		\$	
			-		-			
Cazenovia Creek - C	CSOs 047, 048	Enhanced High-Rate Clarification Facility at	\$	3,308,951	5	863,426	\$	4,172,377
		City of Buffalo Lot						
Cazenovia Creek - C	CSOs 047, 048	Partial Separation	\$	1,835,938		NA	5	1,835,938
Cornelius Creek	CSO 055	Enhanced High-Rate Clarification Facility at	\$	80,238,686	\$	19,668,916	\$	99,907,602
Cornellos Creek	000 000	City of Buffalo Lot	-	00,230,000	_	19,000,310	-	300,100,002
Cornellus Creek	CSO 055	Partial Separation	\$	5,000,000		NA	s	5,000,000
10.00				5,000,000		116)	0	5,000,000
Erle Basin	CSO 014	Enhanced High-Rate Clarification Facility at	s	- 519	\$	-61	\$	
		City of Buffalo Lot					-	- 7.51
Erie Basin	CSOs 015, 016	Enhanced High-Rale Clarification Facility at	5	3,605,782	\$	863,426	\$	4,469,208
		City of Buffalo Lot			_		-	



Table 9-11 Alternative 4A Cost Estimate Summary

Receiving Water Body	CSOs Controlled	Description	1		2-Mor	nth Cost Estimat	8	
neceiving water body	CSCS Controlled	Description		Capital		O&M		Total
Niagara River	CSO 011	Enhanced High-Rate Clarification Facility at Broderick Park	5	19,643,820	\$	3,933,783	\$	23,577,403
Niagara River	CSO 054	Enhanced High-Rate Clarification Facility at Riverside Park	\$	4,021,807	8	753,079	\$	4,774,886
Niagara River	CSO 054	Partial Separation	5	2,304,688		NA	5	2,304,688
Scajaquada Creek	CSO 053 controlled	Enhanced High-Rate Clarification Facilities at	-				-	
	at tributary SPPs	Canisius College	5	25,498,278	\$	1,984,805	5	27,483,083
	1000	City of Buffalo Lot	15	640,625	5	647,749	\$	1,288,374
		City of Buffalo Lot / Boys Club of Buffalo	S	29,359,375	\$	5,900,675	\$	35,260,050
		/Tabernacie Baptist Church				2017		
		B T Realty Corporation	5	4,703,125	\$	1,006,733	\$	5,709,858
		Nevins Thomas / Vacant Lot	5	1,265,625	\$	703,638	\$	1,989,263
		American Axie and Manufacturing Corporation	5	19,562,500	5	3,933,783	5	23,496,283
		Niagara Mohawk Power Corporation	5	19,562,500	5	3,933,783	5	23,496,283
		Schiller Park	S	19,562,500	5	3,933,783	\$	23,496,283
		Schiller Park	5	640,625	\$	647,749	5	1,288,374
Scajaquada Creek	CSO 056	Enhanced High-Rate Clarification Facility at Delaware Park	\$	-	\$	- 5	5	
Scejaquada Creek	CSOs 057, 058	Enhanced High-Rate Clarification Facility at Fedoo Automotive	s	756,774	\$	547,749	\$	1,404,523
Scajaquada Creek	CSO 059	Enhanced High-Rate Clarification Facility at Erie County Industrial Development Agency	s		\$		\$	
Scajaquada Creek	CSO 050	Enhanced High-Rate Clarification Facility at City of Buffalo Lot	s	1,481,808	\$	703,638	\$	2,185,446
Scalaquada Creek	CSOs 053, 056 CSOs 057, 058	Partial Separation	5	585,938		NA	5	585,938
	10009 001, 000							

Note:

Afternative AA includes all modifications listed for Alternative 1, Table 9-11 lasts only additional modifications in Atternative 4A that are not included in Alternative 1. Alternative 4A 2-Month Sub-Total \$ 515,559,483 Alternative I Total Cost \$ 164,583,400

Alternative 4A 2-Month Total Cost \$ 580,142,883

Alternative 4A Cost by Receiving Water Body:

Black Rock Canel \$ 205,802,295 \$ 32,739,538 \$ 236,541,833

Buffalo River \$ 155,951,256 \$ 12,241,303 \$ 168,192,558

Cazenovia Creek - B \$ 4,934,859 \$ 703,638 \$ 703,638 \$ 63,192,558

Cazenovia Creek - C \$ 41,516,956 \$ 1,668,813 \$ 43,185,769

Comellus Creek \$ 40,038,686 \$ 19,668,916 \$ 113,707,602

Eria Basin \$ 6,825,732 \$ 863,428 \$ 7,888,158

Niagara River \$ 27,157,114 \$ 4,686,803 \$ 31,843,977

Scajaquada Creek \$ 61,358,877 \$ 9,974,612 \$ 71,343,490



Receiving Water Body	CSOs Controlled	Description	-	Capital	S-MO	O&M	T	Total
Black Rock Canal	CSO 003	Enhanced High-Rate Clarification Facility at Rich Marina	S	- Capital	\$	Oam	5	1000
Black Rock Canal	CSO 004	Enhanced High-Rate Clarification Facility at	\$	41,534,141	S	7,867,566	\$	49,401,70
BIRCK FIDEN CENES	C30 004	Erie County Industrial Development Agency	3	41,004,141		7,007,000	10	49,401,70
Black Rock Canal	CSO 006	Enhanced High-Rate Clarification Facility at	-	0 - 0				
		City of Buffalo Lot	\$	10,253,542		1,425,907		11,679,449
		City of Buffalo Lot Knight, Anthony / City of Buffalo	S	11,734,375 4,703,125		1,984,805		13,719,180
Black Rock Canal	CSO 010	Enhanced High-Rate Clarification Facility at Erie County Industrial Development Agency	5	6,384,713	\$	1,139,292	\$	7,524,008
Black Rock Canal	CSO 012	Enhanced High-Rate Clarification Facility at Clminelli International Services LLC	\$	29,819,463	3	5,900,675	\$	35,720,138
								- 434
Black Rock Canal	CSOs 008, 061	Enhanced High-Rate Clarification Facilities Brown Cameron / Erie Niagara Public Benefit Funding Corporation	5	19,771,191	\$	3,933,783	\$	23,704,974
Black Rock Canal	CSOs 013, 063	Enhanced High-Rate Clarification Facility at City of Buffalo Water Department	S		\$		\$	
Black Rock Canal Black Rock Canal	CSOs 003, 004 CSOs 005, 006	Partial Separation	S	13,125,000		NA	\$	13,125,000
Black Rock Canal	CSOs 007, 009							
Black Rock Canal	CSOs 010, 012							
Black Rock Canal Black Rock Canal	CSOs 062, 063 CSOs 008, 061		-		-		-	
Buffalo River	CSO 017	Enhanced High-Rate Clarification Facility at City of Buffalo Lot	5	19,671,346	\$	3,933,783	\$	23,605,129
Buffalo River	CSO 017	Partial Separation	\$	9,375,000		NA	\$	9,375,000
Buffalo River	CSO 022	Enhanced High-Rate Clarification Facility at	\$	1,701,149	5	647,749	\$	2,348,898
		Buffalo Motor and Generator Corporation						
Buffalo River	CSO 025	Enhanced High-Rate Clarification Facility at	\$		\$	-	\$	1,2-1
		Killian-Black Trucking, Inc.						
Buffalo River	CSO 026	Enhanced High-Rate Clarification Facility at Erie County Lot	5	20,331,070	5	3,933,783	S	24,264,853
6 H.I. O.	200 500							
Buffalo River	CSO 027	Enhanced High-Rate Clarification Facility at P.V.S Chemicals, Inc.	\$	1,159,496	5	647,749	5	1,807,245
0.41-01	000-000-000		-	10 000 001			-	
Buffalo River	CSOs 028, 029	Enhanced High-Rate Clarification Facility at t348 South Park Associates LLC	5	19,808,591	5	3,933,783	3	23,742,374
0. H. I. Di	CDC ARE			F 40F 44F	_	/ *** ***		2 100 710
Buffalo River	CSO 033	Enhanced High-Rate Clarification Facility at City of Buffalo Lot	\$	5,185,413	2	1,006,733	2	6, 192, 146
Buffalo River	CSO 034	Enhanced High-Rate Clarification Facility at City of Buffalo, Parks and Recreation Lot	\$	~	S		5	
	000 222				_	- 5.500		712732
Buffalo River	CSO 050	Enhanced High-Rate Clarification Facility at Derigo Sales, Inc. / Vacant Lot	\$	729,049	5	647,749	5	1,376,798
	200.00		_					
Buffalo River	CSO 051	Enhanced High-Rate Clarification Facility at Buffalo Municipal Housing Authority Lot	\$		\$		\$	X
Buffalo River	CSO 052	Enhanced High-Rate Clarification Facility at South Ogden Estate, Ltd. / Vacant Lot	5		\$	-	S	
					_	Y . N . J . V		
Buffalo River	CSO 064	Enhanced High-Rate Clarification Facility at City of Buffalo, Parks and Recreation Lot	\$	2,210,455	S	753,079	5	2,963,534
		IN YOUR DESIGNATION OF THE PERSON OF THE PER						
Buffalo River	CSO 066	Enhanced High-Rate Clarification Facility at City of Buffalo Lot	5	11,958,444	\$	1,984,805	\$	13,943,249
Cazenovia Creek - B	CSO 035	Enhanced High-Rate Clarification Facility at Cazenovia Park	S	1,339,535	\$	703,638	\$	2,043, 173
Cazenovia Creek - C	CSOs 037, 039	Enhanced High-Rate Clarification Facility at Cazenovia Park	\$	8,117,184	\$	1,139,292	\$	9,256,476
Cazenovia Creek - C	CSO 044	Enhanced High-Rate Clarification Facility at	S		\$		\$	-
ORGANIZATION O	000 011	South Side Catholic Club, Inc.			-		-	
Cazenovia Creak - C	CSOs 046, 049	Enhanced High-Rate Clarification Facility at Vacant Lot	s		\$	-	\$	
Cazeriovia Creek - C	C506 040, 049	Establed High Place Classical of Pacing at vacant cor	9		9	-	3	
Cezenovia Creek - C	CSOs 047, 048	Enhanced High-Rate Clarification Facility at	\$	4,871,451	\$	1,006,733		5,878,184
Dezeriovia Creek - C	C303 047, 04a	City of Buffalo Lot	3	4,871,451	•	1,000,733	2	3,070,104
Cazenovia Creek - C	CSOs 047, 048	Partial Separation	-	1.835.938		- 1/4		4 000 000
Jazenovia Creek - C	CSUS 047, 048	Рапа Зерагароп	S	1,635,938		NA	5	1,835,938
Cornelius Creek	CSO 055	Enhanced High-Rate Clarification Facility at	\$	95,863,686	5	23,602,699	\$	119,466,385
		City of Buffalo Lot			-			
Cornellus Creek	CSO 055	Partial Separation	S	5,000,000		NA	\$	5,000,000
Erie Basin	CSO 014	Enhanced High-Rate Clarification Facility at	s		\$		s	1.0
		City of Buffalo Lot						
Erie Basin	CSOs 015, 016	Enhanced High-Rate Clarification Facility at		E 150 000		1 000 700	s	e irrain
DIE DESILI	0303 013, 010	City of Buffalo Lot	\$	5, t68,282	3	1,006,733	3	6,175,015
Data Basali	000- 01- 01-			122				- 12-
rie Basin	USUS 014, 015, 018	Partial Separation	5	468,750		NA	5	468,750



Table 9-11 Alternative 4A Cost Estimate Summary

Receiving Water Body	CSOs Controlled	Description	1		3-Month Cost Estimate			
receiving water body	HERES SEEMS	PACE - COL		Capital		OSM		Total
Niagara River	CSO 011	Enhanced High-Rate Clarification Facility at Broderick Park	5	19,643,620	5	3,933,783	\$	23,577,403
Niagara River	CSO 054	Enhanced High-Rate Clarification Facility at Riverside Park	\$	4,646,807	S	805,387	\$	5,452,194
Niagara River	CSO 054	Partial Separation	\$	2,304,688		NA	\$	2,304,688
Scalaquada Creek	CSO 053 controlled	Enhanced High-Rate Clarification Facilities at	1				-	
	at tributary SPPs	Canisius College	5	33,326,403	5	3,933,783	5	37,260,186
	446.1	City of Buffalo Lot	5	640,625	\$	647,749	\$	1,288,374
		City of Buffalo Lot / Boys Club of Buffalo	\$	39, 125,000	S	7,867,566	\$	46,992,568
		/Tabernacie Baptist Church	1					100
		B T Realty Corporation	\$	7,046,875	5	1,425,907	5	8,472,782
		Nevins Thomas / Vacant Lot	\$	3,140,625	5	863,426	\$	4,004,051
		American Axle and Manufacturing Corporation	5	19,562,500	\$	3,933,783	\$	23,496,283
		Niagara Mohawk Power Corporation	S	29,359,375	5	5,900,675	5	35,260,050
		Schiller Park	\$	19,562,500	5	3,933,783	\$	23,496,283
		Schiller Park	5	640,825	\$	647,749	5	1,288,374
Scajaquada Creek	CSO 056	Enhanced High-Rate Clarification Facility at Delaware Park	8		\$	-	\$	
Scalaquada Creek	CSOs 057, 058	Enhanced High-Rate Clarification Facility at	\$	756,774	5	647,749	\$	1,404,523
		Fedco Automotive						
Scajaguada Creek	CSO 059	Enhanced High-Rate Clarification Facility at Ene County industrial Development Agency	\$	675,954	5	647,749	\$	1,323,703
Scajaquada Creek	CSO 060	Enhanced High-Rate Clarification Facility at	\$	1,481,808	\$	703,638	s	2,185,446
		City of Buffalo Lot			-			
Scajaquada Creek	CSOs 053, 056	Partial Separation	\$	585,938	-	NA	\$	585,938
	CSOs 057, 058							

Attenuative 4A includes all modifications listed for Alternative 1, Table 9-11 lists only additional modifications in Alternative 4A that are not included in Alternative 1,

Alternative 4A 3-Month Sub-Total \$
Alternative 1 Total Cost \$ 638,720,301 164,583,400

803,303,701

Total

Alternative 4A Cost by Receiving Water Body:
Black Rock Canss | Buffalo River | S.
Cazenovia Creek - B | Cazenovia Creek - C | Cornelius Creek | S.
Estie Basin | S.
Niagara River | S.
Scalaquada Creek | S. Capital
248,181,358 \$
179,357,905 \$
4,934,859 \$
46,829,458 \$
109,663,686 \$
8,388,232 \$
27,782,314 O&M 41,334,503 \$ 17,489,213 \$ 703,638 \$ 2,146,026 \$ 23,602,699 \$ 1,006,733 \$ 4,739,170 \$ 13,077,816 \$ Total 289,515,861 196,857,018 5,638,497 48,975,482 133,266,385 9,394,965 32,521,284 87,134,209 27,782,114 \$ 74,056,394 \$

Alternative 4A 3-Month Total Cost \$



Receiving Water Body	CSOs Controlled	Description	-	Capital	4-1/10	ost Estimal	T	Total
Black Rock Canal	CSO 003	Enhanced High-Rate Clarification Facility at Rich Marina	\$	Capital	\$	MAG	5	1 Qtai
Black Rock Canal	CSO 004	Enhanced High-Rate Clarification Facility at Erie County Industrial Development Agency	\$	61,096,641	\$	11,801,350	5	72,897,9
Black Rock Canal	CSO 006	Enhanced High-Rate Clarification Facility at						
Name and the	1.6.8.6.6.8	City of Buffaio Lot	\$	10,253,542		1,425,907		11,679,4
	1 2 2	City of Buffalo Lot Knight, Anthony / City of Buffalo	\$	11,734,375 7,046,875		1,984,805		13,719,11
Black Rock Canal	CSO 010	Enhanced High-Rate Clarification Facility at	5					
DIACK NOCK CHIM	050010	Erie County Industrial Development Agency		6,384,713	3	1,139,292	3	7,524,0
Black Rock Canal	CSO 012	Enhanced High-Rate Clarification Facility at Climinelli International Services LLC	\$	29,819,463	\$	5,900,675	5	35,720,10
Black Rock Canal	CSOs 008, 061	Enhanced High-Rate Clarification Facilities Brown Cameron / Erie Niagara Public Benefit Funding Corporation	\$	19,771,191	\$	3,933,783	\$	23,704,9
Black Rock Canal	CSOs 013, 063	Enhanced High-Rate Clarification Facility at	s	6,701,294	5	647,749	5	7,349,0
7		City of Buildo Water Department	-		-		-	
Black Rock Canal	CSOs 003, 004	Partial Separation	\$	13,125,000		NA	\$	13,125,0
Black Rock Canal	CSOs 005, 006			7 7 7				
Black Rock Canal Black Rock Canal	CSOs 007, 009 CSOs 010, 012		-		-		-	_
Black Rock Canal	CSOs 062, 063							
Black Rock Canal	CSOs 008, 061							
Buffalo River	CSO 017	Enhanced High-Rate Clarification Facility at	5	19,671,346	S	3,933,783	5	23,605,12
Donate (1190)	000 011	City of Buffalo Lot		15,011,510		0,500,700	-	25,000,11
Buffalo River	CSO 017	Partial Separation	5	9,375,000		NÁ	\$	9,375,0
Buffalo River	CSO 022	Enhanced High-Rate Clarification Facility at Buffalo Motor, and Generator Corporation	5	1,701,149	\$	647,749	5	2,348,89
Buffalo River	CSO 025	Enhanced High-Rate Clarification Facility at Killian-Black Trucking, Inc.	S		5	- Lander	S	
Buttalo River	CSO 026	Enhanced High-Rale Clarification Facility at Eris County Lot	\$	30,127,945	\$	5,900,675	5	36,028,6
Butfalo River	CSO 027	Enhanced High-Rate Clarification Facility at P.V.S Chemicals, Inc.	5	1,159,496	5	647,749	5	1,807,24
Bultalo River	CSOs 028, 029	Enhanced High-Rate Clarification Facility at	5	19,808,591	\$	3,933,783	s	23,742,37
		1346 South Park Associates LLC						
Bulfalo River	CSO 033	Enhanced High-Rate Clarification Facility at City of Buffalo Lot	\$	7,529,163	\$	1,425,907	S	8,955,07
Buffalo River	CSO 034	Enhanced High-Rate Clarification Facility at City of Buffalo, Parks and Recreation Lot	\$	14	\$	191	\$	- 0
Bulfato River	CSO 050	Enhanced High-Rate Clarification Facility at	\$	729,049	\$	647,749	5	1,376,79
		Derigo Sales, Inc. / Vacant Lot			_			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Buffelo River	CSO 051	Enhanced High-Rate Clarification Facility at Buffalo Municipal Housing Authority Lot	\$	-	\$		\$	
Buffalo River	CSO 052	Enhanced High-Rate Clarification Facility at South Ogden Estate, Ltd. / Vacant Lot	\$		\$		\$	-
Buffalo River	CSO 064	Enhanced High-Rate Clarification Facility at	\$	2,835,455	5	805,387	S	3,640,84
D. Mata Phina	000 000	City of Buffalo, Parks and Recreation Lot Enhanced High-Rate Clarification Facility at	S	11.958.444		* 004 005		13.943.24
Buffalo River	CSO 066	City of Buffalo Lot	3	11,950,444	5	1,984,805	3	13,843,24
Cazenovia Creek - B	CSO 035	Enhanced High-Rate Clarification Facility at Cazenovia Park	\$	1,964,535	5	753,079	\$	2,717,61
Cazenovia Creek - C	CSOs 037, 039	Enhanced High-Rate Clarification Facility at Cazenovia Park	\$	8,898,434	\$	1,425,907	\$	10,324,34
Cazenovia Creek - C	CSO 044	Enhanced High-Rate Clarification Facility at South Side Catholic Club, Inc.	\$	-	S	-3	\$	-
Cazenovia Croek - C	CSOs 046, 049	Enhanced High-Rate Clarification Facility at Vacant Lot	s	1,090,178	\$	647,749	s	1,737,92
Cazenovia Creek - C	CSOs 047, 048	Enhanced High-Rate Clarification Facility at	s	4,871,451	Š	1,006,733	5	5,878,18
	000 4	City of Buffalo Lot						
	CSOs 047, 048	Partial Separation	S	1,835,938		NA	\$	1,835,93
Cornelius Creek	CSO 055	Enhanced High-Rate Clarification Facility at City of Buffalo Lot	S	111,519,938	5	27,536,482	\$	139,056,41
Cornellus Creek	CSO 055	Partial Separation	\$	5,000,000		NA	5	5,000.00
Ene Basin	CSO 014	Enhanced High-Rate Clarification Facility at City of Buffalo Lot	5		\$	-	\$	
Erie Basin	CSOs 015, 016	City of Buffalo Cor Enhanced High-Rate Clarification Facility at	\$	7,512,032	\$	1,425,907	S	8,937,93
and Gealth	COC 013, 010	City of Buffalo Lot	3	1,312,032	9	1,425,907	9	0,937,93
Erie Basin	CSOs 014, 015, 016	Dartial Congretion	\$	468,750	_	NA.	\$	468,75



Table 9-11 Alternative 4A Cost Estimate Summary

Receiving Water Body	CSOs Controlled	Description			4-Month Cost Estimate			
Hecelving water body	CSUS CONTUNED	Description		Capital		M&O		Total
Niagara River	CSO 011	Enhanced High-Rate Clarification Facility at Broderick Park	\$	19,643,820	\$	3,933,783	\$	23,577,403
Niagara River	CSO 054	Enhanced High-Rate Clarification Facility at Riverside Park	\$	5,271,807	\$	863,426	\$	6,135,233
Niagara River	CSO 054	Partial Separation	S	2,304,688		NA	\$	2,304,688
Scajaquada Creek	CSO 053 controlled	Enhanced High-Rate Clarification Facilities at	15			20/20		
The state of the s	at tributary SPPs	Canisius College	\$	33,326,403	S	3,933,783	\$	37,260,186
1		City of Buffalo Lot	\$	640,625	5	647,749	5	1,288,374
		City of Buffalo Lot / Boys Club of Buffalo	5	39,125,000	5	7,867,566	5	46,992,566
		/Tabernacle Baptist Church						
		B T Realty Corporation	5	7,046,875	5	1,425,907	5	8,472,782
		Nevins Thomas / Vacant Lot	15	6,265,625	5	1,139,292	5	7,404,917
		American Axie and Manufacturing Corporation	5	19,562,500	5	3,933,783		23,496,283
		Niagara Mohawk Power Corporation	\$	29,359,375	\$	5,900,675	\$	35,260,050
		Schiller Park	15	19,562,500	5	3,933,783	S	23,496,283
		Schiller Park	\$	640,625	5	647,749	\$	1,288,374
Scajaquada Creek	CSO 056	Enhanced High-Rate Clarification Facility at Delaware Park	\$	-5	\$	-	\$	
Scalaquada Creek	CSOs 057, 058	Enhanced High-Rate Clarification Facility at	5	756,774	\$	647,749	\$	1,404,523
7000	-	Fadco Automotive						
Scajaquada Creek	CSO 059	Enhanced High-Rate Clarification Facility at Erie County Industrial Development Agency	\$	675,954	\$	647,749	s	1,323,703
Scajaquada Creek	CSO 060	Enhanced High-Rate Clarification Facility at	Š	1,481,808	\$	703,638	5	2,185,446
		City of Buffalo Lot	1		-			
Scajaquada Creek	CSOs 053, 056	Partial Separation	\$	585,938	5	NA	S	585,938
	CSOs 057, 058							

Alternative 4A includes all modifications listed for Alternative 1. Table G-11 lists only additional modifications in Alternative 4A that are not included in Alternative 1.

Alternative 4A 4-Month Sub-Total \$
Alternative 1 Total Cost \$ 717,449,646 164,583,400

882,033,046

Alternative 4A 4-Month Total Cost \$

08M 46,506,245 \$ 19,927,586 \$ 763,079 \$ 3,080,389 \$ 27,536,482 \$ 1,425,907 \$ 4,797,209 \$ 13,182,645 \$ Alternative 4A Cost by Receiving Water Body: Black Rock Canal Buffalo River Total Capital Capital
278,726,401 \$
192,133,430 \$
5,559,859 \$
48,700,885 \$
125,319,936 \$
10,731,982 \$
28,407,114 \$
75,243,894 \$ 70fal 325,232,647 212,061,015 6,312,938 51,781,274 152,856,418 12,157,889 33,204,323 88,426,538 Cazenovia Creek - B Cazenovia Creek - C Cornellus Creek Erie Basin Niagara River \$
Scalaquada Creek \$



Receiving Water Body	CSOs Controlled	Description		Capital	U-MOR	oam Oam	1	Total
Black Rock Canal	CSO 003	Enhanced High-Rate Clarification Facility at Rich Marina	\$	Сарии	S	Com	5	1018)
								-
Black Rock Canal	CSO 004	Enhanced High-Rate Clarification Facility at Erie County Industrial Development Agency	\$	61,096,641	5	11,801,350	\$	72,897,99
		Line County Industrial Development Agency						
Black Rock Canal	CSO 006	Enhanced High-Rate Clarification Facility at					100	
		City of Buffalo Lot City of Buffalo Lot	\$	11,734,375		1,425,907		13,719,180
		Knight, Anthony / City of Buffalo	5	11,734,375		1,984,805		13,719,180
							1	
Black Rock Canal	CSO 010	Enhanced High-Rate Clarification Facility at Erie County Industrial Development Agency	5	7,165,963	5	1,425,907	5	8,591,870
		Late County madestral Development Agency						
Black Rock Canal	CSO 012	Enhanced High-Rate Clarification Facility at	S	39,585,088	\$	7,867,566	5	47,452,654
		Ciminelli International Services LLC			-			
Black Rock Canal	CSOs 008, 061	Enhanced High-Rate Clarification Facilities Brown	\$	29,568,066	5	5,900,675	\$	35,468,741
		Cameron / Erie Niagara Public Benefit Funding Corporation						
Black Rock Canal	CSOs 013, 063	Enhanced High-Rate Clarification Facility at	5	6,701,294	\$	647,749	8	7,349,043
District From Outline	0000 010, 000	City of Buffalo Water Department		0,701,257	-	041,740	-	1,030,030
	000 404 000							
Black Rock Canal Black Rock Canal	CSOs 003, 004 CSOs 005, 006	Partial Separation	S	13,125,000	-	NA	S	13,125,000
Black Rock Canal	CSOs 007, 009							
Black Flock Canal	CSOs 010, 012							
Black Rock Canal	CSOs 062, 063			11				
Black Rock Canal	CSOs 008, 081	Takana a samula						
Buffalo River	CSO 017	Enhanced High-Rate Clarification Facility at	s	39,233,846	\$	7,867,568	S	47,101,412
		City of Buffalo Lot					-	
Buffalo River	CSO 017	Partial Separation	5	9,375,000	-	NA	5	9,375,000
	Too Too						-	
Buffalo River	CSO 022	Enhanced High-Rate Clarification Facility at Buffalo Motor and Generator Corporation	5	1,701,149	5	647,749	\$	2,348,898
		Bullato Motor and Generality Corporation	15	5.00				
Buffalo River	CSO 025	Enhanced High-Rate Clarification Facility at	\$	1,380,194	\$	703,638	\$	2,083,832
		Killlan-Black Trucking, Inc.	-		-		-	
Buffalo River	CSO 026	Enhanced High-Rate Clarification Facility at Erie County Lot	\$	30,096,695	\$	5,900,675	S	35,997,370
Buffalo River	CSO 027	Enhanced High-Rate Clarification Facility at P.V.S Chemicals, Inc.	\$	6,784,496	\$	1,139,292	\$	7,923,788
		F.V.S Charlicas, inc.			-			
Buffalo River	CSOs 028, 029	Enhanced High-Rate Clarification Facility at	\$	19,808,591	5	3,933,783	\$	23,742,374
		1346 South Park Associates LLC			_		-	
Buffalo River	CSO 033	Enhanced High-Rate Clarification Facility at	S	20,044,788	\$	3,933,783	S	23,978,571
THE STATE OF THE S		City of Buffalo Lot	Ť		1			
Buffalo River	CSO 034	Enhanced High-Rate Clarification Facility at	\$		\$		\$	- 61
Banaio rivei	C3O 034	City of Buffelo, Parks and Recreation Lot	9		9		3	
					-			
Buffalo River	CSO 050	Enhanced High-Rate Clarification Facility at Derigo Sales, Inc. / Vacant Lot	\$	1,979,049	\$	753,079	\$	2,732,128
		Derigo Sales, Inc. / Vacani Edi						
Buffalo River	CSO 051	Enhanced High-Rate Clarification Facility at	\$	1,962,670	\$	753,079	\$	2,715,749
		Buffalo Municipal Housing Authority Lot	-		-			
Buffalo River	CSO 052	Enhanced High-Rate Clarification Facility at	\$	2,216,393	5	753,079	s	2,969,472
		South Ogden Estate, Ltd. / Vacant Lot						
Buffalo River	CSO 064	Enhanced High-Rate Clarification Facility at	\$	6,585,455		1,139,292		7,724,747
Duridio Civer	C30 004	City of Buffalo, Parks and Recreation Lot		0,363,433	4	1,139,292	0	1,124,141
Buffalo River	CSO 066	Enhanced High-Rate Clerification Facility at City of Buffelo Lot	5	19,786,569	\$	3,933,783	\$	23,720,352
Cazenovia Creek - B	CSO 035	Enhanced High-Rate Clarification Facility at Cazenovia Park	\$	2,589,535	S	805,387	5	3,394,922
Cazenovia Creek - C	CSOs 037, 039	Enhanced High-Rate Clarification Facility at Cazenovia Park	s	13,585,934	\$	1,984,805	\$	15,570,739
DIE GROVIE CTOER O	0002 001, 000	Enterior State State State of the State of State	-	19,000,004	-	1,304,000	4	10,010,103
Cazenovia Creek - C	CSO 044	Enhanced High-Rate Clarification Facility at	S	930,950	\$	647,749	S	1,578,699
		South Side Catholic Club, Inc.	-				-	
Cazenovia Creek - C	CSOs 046, 049	Enhanced High-Rate Clarification Facility at Vacant Lot	s	1,090,178	\$	647,749	\$	1,737,927
	7 7 7 7 7 7 2	316 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4						
Cazenovia Creek - C	CSOs 047, 048	Enhanced High-Rate Clarification Facility at	\$	6,433,951	S	1,139,292	\$	7,573,243
OLIZONOVIA CIDON - C	0002017,010	City of Buffalo Lot	-	0,450,001		1,105,232	*	7,070,240
Cazenovia Creek - C	CSOs 047, 048	Partial Separation	\$	1,835,938	-	NA	\$	1,835,938
Cornelius Creek	CSO 055	Enhanced High-Rate Clarification Facility at	\$	127,176,186	S	31,470,266	\$	158,646,452
		City of Buffalo Lot						
Cornelius Creek	CSO 055	Partial Separation	\$	5,000,000		NA	\$	5,000,000
J. T. T. T. C.	- 30,000		*	2,000,000		THE		5,000,000
Erie Basin	CSO 014	Enhanced High-Rate Clarification Facility at	\$	2,796,302	\$	805,387	\$	3,601,689
		City of Buffalo Lot			_			
Erie Basin	CSOs 015, 016	Enhanced High-Rate Clarification Facility at	s	12,199,532	\$	1,984,805	5	14,184,337
		City of Bufizio Lot				10-10-0		1.2 1907
OT NOTE:	500: N. I	Dadis I Comment	_	400.00			_	
rie Basin	CSOs 014, 015, 016	rarva separation	\$	468,750		NA	5	468,750



Table 9-11 Alternative 4A Cost Estimate Summary

Described Water Dad	CSOs Controlled	December 1			6-Mor	th Cost Estimal	B.	
Receiving Water Body	CSOs Controlled	Description		Capital		O&M		Total
Nlagara River	CSO 011	Enhanced High-Rate Clarification Facility at Broderick Park	5	29,440,495	\$	5,900,675	\$	35,341,170
Niagara River	CSO 054	Enhanced High-Rate Clarification Facility at Riverside Park	s	5,271,807	5	863,426	s	6,135,233
Niagera River	CSO 054	Partial Separation	\$	2,304,688		NA	\$	2,304,688
Scajaguada Creek	CSO 053 controlled	Enhanced High-Rate Clarification Facilities at				- 7.7		
	at tributary SPPs	Canísius College	5	43,123,278	5	5,900,675	\$	49,023,953
		City of Buffalo Lot	S	1,265,625	\$	703,638	\$	1,969,263
		City of Buffalo Lot / Boys Club of Buffalo	5	39,125,000	5	7,867,566	S	46,992,568
		/Tabernacie Baptist Church			-			
		B T Reafty Corporation	\$	11,734,375	\$	1,984,805	\$	13,719,180
		Nevins Thomas / Vacant Lot	5	7,046,875	\$	1,425,907	\$	8,472,782
		American Axie and Manufacturing Corporation	5	29,359,375	\$	5,900,675	\$	35,260,050
		Niagara Mohawk Power Corporation	5	39,125,000	\$	7,867,566	5	46,992,566
		Schiller Park	\$	29,359,375	\$	5,900,675	5	35,260,050
		Schiller Park	5	1,265,625	\$	703,638	S	1,969,263
Scajaquada Creek	CSO 056	Enhanced High-Rate Clarification Facility at Delaware Park	5.	789,005	\$	647,749	\$	1,436,754
Scajequada Creek	CSOs 057, 058	Enhanced High-Rate Clarification Facility at Fedos Automotive	5	756,774	\$	647,749	5	1,404,523
Scajaquada Creek	CSO 059	Enhanced High-Rate Clarification Facility at Erie County Industrial Development Agency	S	675,954	\$	647,749	\$	1,323,703
Scalaquada Creek	CSO 060	Enhanced High-Rate Clarification Facility at	s	2,106,808	\$	753,079		2,859,887
Guajeguaud Cress	0.00	City of Buffalo Lot	-	2,100,000	•	753,079	•	4,609,687
Scajaquada Creek	CSOs 053, 056 CSOs 057, 058	Partial Separation	\$	585,938		NA	\$	585,938

Alternative 4A 6-Month Sub-Total \$ Alternative 1 Total Cost \$ 921,061,065 164,583,400

Alternative 4A 6-Month Total Cost \$ 1,085,644,465

Alternative 4A Cost by Receiving Water Body:		Capital		M&O	Total
Black Rock Canal	S	332,200,151	5	56,756,954	\$ 388,957,105
Buffalo River	5	248,192,687	5	31,458,801	\$ 279,651,488
Cazanovia Creek - B	\$	6,184,859	\$	805,387	\$ 6,990,245
Cazenovia Creek - C	\$	55,881,834	\$	4,419,595	\$ 60,301,429
Cornellus Creak	\$	140,976,186	\$	31,470,266	\$ 172,446,451
Erie Basin	\$	18,215,784	\$	2,790,192	\$ 21,005,976
Niagara River	5	38,203,989	\$	5,764,101	\$ 44,968,090
Scalaguada Creek	5	94,090,399	\$	17,233,281	\$ 111,323,680

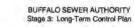




Table 9-11 Alternative 4A Cost Estimate Summary

Receiving Water Body	CSOs Controlled	Description	-	Cepital	2-MO	O&M	le	Total
Black Rock Canal	CSO 003	Enhanced High-Rate Clarification Facility at Rich Marina	S	950,752	\$	647,749	S	1,598,50
	100			cooper	-	3.11.10		1,500,00
Black Rock Carial	CSO 004	Enhanced High-Rate Clarification Facility at	5	65,034,141	\$	15,735,133	S	80,769,27
		Erie County Industrial Development Agency	-		-		-	
Black Rock Canal	CSO 006	Enhanced High-Rate Clarification Facility at						
		City of Buffelo Lot	S	14,941,042		1,984,805		16,925,84
		City of Buffalo Lot	\$	19,562,500		3,933,783	\$	23,496,28
		Knight, Anthony / City of Buffalo	5	39,125,000	5	7,867,586	S	46,992,56
Black Rock Canal	CSO 010	Enhanced High-Rate Clarification Facility at	5	7,165,963	s	1,425,907	S	8,591,87
and the second		Erie County Industrial Development Agency		111451616	-	T) and and		John Herr
			_		-		-	
Black Rock Canal	CSO 012	Enhanced High-Rate Clarification Facility at Clarificational Services LLC	\$	63,085,088	\$	15,735,133	5	78,820,22
		Christian markational Services ELC						
Black Rock Canal	CSOs 008, 061	Enhanced High-Rate Clarification Facilities Brown	S	29,568,086	S	5,900,675	S	35,488,74
		Cameron / Eris Niagara Public Benefit Funding Corporation					-	
							-	
Black Rock Canal	CSOs 013, 063	Enhanced High-Rate Clarification Facility at	5	7,326,294	5	703,638	5	8,029,93
		City of Bulfalo Water Department					-	
Black Rock Canal	CSOs 003, 004	Partial Separation	\$	13,125,000		NA	\$	13,125,00
Black Rock Canal	CSOs 005, 006		1	3-11-01-01		1907	-	30/100/00
Black Rock Canal	CSOs 007, 009							
Black Rock Canal	CSOs 010, 012							
Black Rock Canal	CSOs 062, 063							
Black Rock Canal	CSOs 008, 061							
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
Buffalo River	CSO 017	Enhanced High-Rate Clarification Facility at	\$	58,796,346	\$	11,801,350	\$	70,597,696
	-	City of Buffalo Lot			1.			
							_	
Buffalo River	CSO 017	Partial Separation	\$	9,375,000		NA	\$	9,375,000
D. Mala Diver	000 000	Follower Clark Board Clark Works For the A		0.054.440		750.000	-	0.701.00
Buffalo River	CSO 022	Enhanced High-Rate Clarification Facility at Buffalo Motor and Generator Corporation	5	2,951,149	3	753,079	S	3,704,228
		dullato Motor and Generator Corporation			-		-	
Buffalo River	CSO 025	Enhanced High-Rate Clarification Facility at	\$	3,255,194	5	863,426	\$	4,118,620
panale i iii oi	000 020	Killian-Black Trucking, Inc.	1	0,200,101	-	000,120	-	1,110,000
					1			
Buffalo River	CSO 026	Enhanced High-Rate Clarification Facility at Erie County Lot	\$	59,456,070	\$	11,801,350	\$	71,257,420
					100			
Buffalo River	CSO 027	Enhanced High-Rate Clarification Facility at	5	29,878,246	\$	5,900,675	\$	35,778,921
		P.V.S Chemicals, Inc.						
5 4-1-5	550-500-500	Selection of the Date Clarks and Country Country of	-	00 004 004	_	7 107 700	-	17 600 000
Buttalo River	CSOs 028, 029	Enhanced High-Rate Clarification Facility at 1346 South Park Associates LLC	\$	39,371,091	\$	7,867,566	\$	47,238,657
		1346 South Park Associates LLC		-	-		-	
Buffalo River	CSO 033	Enhanced High-Rate Clarification Facility at	\$	29,841,663	5	5,900,675	•	35,742,338
Danial Coron	000 000	City of Buffelo Lot	-	Eujo Tijooo	-	Cjanojora	-	00,1 12,000
Buffalo River	CSO 034	Enhanced High-Rate Clarification Facility at	5	896,730	\$	647,749	\$	1,544,479
		City of Buffalo, Parks and Recreation Lot	- 1		1		-	
	200			1007.00			_	
Buttalo River	CSO 050	Enhanced High-Rate Clarification Facility at	\$	4,791,549	5	1,006,733	5	5,798,282
		Derigo Sales, Inc. / Vacant Lot	-		-		-	
Buffalo River	CSO 051	Enhanced High-Rate Clarification Facility at	\$	2,587,670		805,387		3,393,057
Dullaro Firedi	000 031	Buffalo Municipal Housing Authority Lot	-	2,007,070	-	505,007	-	2,020,007
						7		
Buffalo River	CSO 052	Erihanced High-Rate Clarification Facility at	S	5,028,893	5	1,006,733	\$	6,035,626
	14 17 1	South Ogden Estate, Ltd. / Vacant Lot			-			
								-
Buffalo River	CSO 064	Enhanced High-Rate Clarification Facility at	\$	12,054,205	\$	1,984,805	\$	14,039,010
		City of Buffalo, Parks and Recreation Lot			_	-		
O diale Diver	000 000	Enhanced Blob Date Oledbankon Facility of		10 700 500		3,933,783		20 700 700
Buttalo River	CSO 066	Enhanced High-Rate Clarification Facility at City of Buffalo Lot	\$	19,786,569	2	3,933,783	2	23,720,352
		John of Bullato Lot		- 1				-
Cazenovia Creek - B	CSO 035	Enhanced High-Rate Clarification Facility at Cazenovia Park	s	4,777,035	S	1,006,733	S	5,783,768
		and at out of the		1	-	,,,,,,,,,	1	St. noti no
Cazenovia Creek - C	CSOs 037, 039	Enhanced High-Rate Clarification Facility at Cazenovia Park	\$	21,414,059	\$	3,933,783	S	25,347,842
Cazenovia Creek - C	CSO 044	Enhanced High-Rate Clarification Facility at	\$	4,993,450	S	1,006,733	5	6,000,183
		South Side Catholic Club, Inc.						
Caragada Cuada C	CCC+ 040 040	Enhanced High-Rate Clarification Facility at Vacant Lot		1 ppp /mc		#49 mic		. 70
Cazenovia Creek - C	CSOs 046, 049	Enhanced High-Hate Clarification Facility at Vacant Lot	\$	1,090,178	5	647,749	5	1,737,927
					-		-	
Cazanovia Creek - C	CSOs 047, 048	Enhanced High-Rate Clarification Facility at	\$	7,215,201	\$	1,425,907		8,641,108
Cazanovia Creak - C	C3C5 047, 040	City of Buffalo Lot		7,215,201	9	1,423,307	3	0,041,100
		Unit of Durino Co.		-	_	-	-	
Cazenovia Creek - C	CSOs 047, 048	Partial Separation	\$	1,835,938		NA	S	1,835,938
Cornelius Creek	CSO 055	Enhanced High-Rate Clarification Facility at	\$	174,113,686	5	43,271,615	\$	217,385,301
		City of Buffalo Lot						
							_	
Cornelius Creek	CSO 055	Partial Separation	\$	5,000,000	-	NA	\$	5,000,000
Ede Basic	CCO 241	Enhanced Wint Data Conditions Continued		10.040.		4 800 500		00 700
Erie Basin	CSO 014	Enhanced High-Rate Clarification Facility at	5	19,843,177	5	3,933,783	5	23,776,960
	-	City of Buffalo Lot	-				-	
		F		20 007 057	s	3,933,783		22 26 2 442
rio Resir	CSO DIE DIE							
rie Basin	CSOs 015, 016	Enhanced High-Rate Clarification Facility at City of Buffelo Lot	\$	20,027,857	•	3,933,783	3	23,961,440
Erie Basin	CSOs 015, 016	City of Buffalo Lot	5	20,027,657	_	3,933,783	-	23,961,440
rie Basin Irle Basin	CSOs 015, 016 CSOs 014, 015, 016	City of Buffalo Lot	S	468,750		3,933,783 NA	\$	468,750

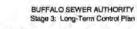




Table 9-11 Alternative 4A Cost Estimate Summary

Receiving Water Body	CSOs Controlled	Description			2-Mor	nth Cost Estime	te	- 21
Heceiving Water Body	CSCs Controlled	Description		Capital		MACI		Total
Nlagsra River	CSO 011	Enhanced High-Rate Clarification Facility at Broderick Park	\$	29,440,495	\$	5,900,575	\$	35,341,170
Niagara River	CSO 054	Enhanced High-Rate Clarification Facility at Riverside Park	s	6,834,307	8	1,006,733	S	7,841,040
Nlagara River	CSO 054	Partial Separation	\$	2,304,688		NA	\$	2,304,688
Scajaquada Creek	CSO 053 controlled	Enhanced High-Rate Clarification Facilities at	1		-			
200	at tributary SPPs	Canisius College	\$	72,451,403		11,801,350	\$	84,252,753
		City of Buffalo Lot	\$	6,265,625	\$	2,061,021	\$	8,326,646
		City of Buffalo Lot / Boys Club of Buffalo	15	58,687,500	S	11,801,350	\$	70,488,850
		/Tabernacle Baptist Church					-	
		B T Realty Corporation	\$	19,562,500	5	3,933,783	\$	23,496,283
		Nevins Thomas / Vacant Lot	\$	11,734,375	5	1,984,805	\$	13,719,180
		American Axie and Manufacturing Corporation	\$	39,125,000	5	7,867,566	\$	46,992,566
		Niagara Mohawk Power Corporation	15	56,687,500	\$	11,601,350	\$	70,488,850
		Schiller Park	5		5	7,867,566	5	46,992,566
		Schiller Park	\$	1,890,625	\$	753,079	\$	2,643,704
Scajaquada Creek	CSO 056	Enhanced High-Rate Clarification Facility of Delaware Park	\$	789,005	\$	647,749	\$	1,436,754
Scajaquada Creek	CSOs 057, 058	Enhanced High-Rate Ciantication Facility at	\$	1,381,774	5	703,638	\$	2,085,412
		Fedico Automotiva	-		-			
Scajaquada Creek	CSO 059	Enhanced High-Rate Clarification Facility at Erie County Industrial Development Agency	\$	3,175,954	\$	863,426	\$	4,039,380
Scajaquada Creek	CSO 060	Enhanced High-Rate Clarification Facility at City of Buffalo Lot	\$	4,919,308	\$	1,006,733	\$	5,926,041
		Only of Bullato Lot						
Scajaquada Creek	CSOs 053, 058	Partial Separation	\$	585,938		NA	\$	585,938
	CSOs 057, 058							

Nete:

Aliamative 4A includes all modifications listed for Alternative 1. Table 9-11 lists only additional modifications in Aliamative 4A that are not included in Aliamative 1. Alternative 4A 12-Month Sub-Total \$ 1,393,062,958 Alternative 1 Total Cost \$ 164,583,400

Alternative 4A 12-Month Total Cost \$ 1,557,646,358

Alternative 4A Cost by Receiving Water Body:

Black Rock Canal

Buffalo River

\$ 466,917,153 \$ 91,054,948 \$ 557,972,101

Buffalo River

\$ 365,308,167 \$ 54,273,311 \$ 419,581,477

Cazenovia Creek - 8 \$ 8,372,359 \$ 1,006,733 \$ 93,79,092

Cazenovia Creek - 5 58,553,709 \$ 7,014,172 \$ 75,667,881

Connelius Creek

\$ 187,913,686 \$ 43,271,615 \$ 231,185,301

Frie Basin

Niagara River

\$ 39,766,489 \$ 6,907,408 \$ 46,673,897

Scalaquada Creek

\$ 140,355,398 \$ 25,972,857 \$ 166,328,256



Table 9-12 Alternative 4B Summary

Receiving Water Body	CSOs Controlled	Description
Black Rock Canal	CSO 003	Enhanced High-Rate Clarification Facility at Rich Marina
Black Rock Canal	CSO 004	Enhanced High-Rate Clarification Facility at
		Erie County Industrial Development Agency
Black Rock Canal	CSO 006	Enhanced High-Rate Clarification Facility at
Diack Floor Garlar	000 000	City of Buffalo Lot
	 	City of Buffalo Lot
-		Knight, Anthony / City of Buffalo
		italigni, Anthony 7 Only of Bullialo
Black Rock Canal	CSO 010	Enhanced High-Rate Clarification Facility at
		Erie County Industrial Development Agency
Plack Pack Canal	000 010	Enhanced Link Data Clarification Facility at
Black Rock Canal	CSO 012	Enhanced High-Rate Clarification Facility at
		Ciminelli International Services LLC
Black Rock Canal	CSOs 008, 061	Enhanced High-Rate Clarification Facilities Brown
		Cameron / Erie Niagara Public Benefit Funding Corporation
Black Rock Canal	CCO- 012 062	Enhanced High Data Clarification Equilibries
DIACK HOCK Canal	CSOs 013, 063	Enhanced High-Rate Clarification Facility at
		City of Buffalo Water Department
Black Rock Canal	CSOs 003, 004	Partial Separation
Black Rock Canal	CSOs 005, 006	
Black Rock Canal	CSOs 007, 009	
Black Rock Canal	CSOs 010, 012	
Black Rock Canal	CSOs 062, 063	
Black Rock Canal	CSOs 008, 061	
Cazenovia Creek - B	CSO 035	Enhanced High-Rate Clarification Facility at Cazenovia Park
Cazenovia Creek - C	CSOs 037, 039	Enhanced High-Rate Clarification Facility at Cazenovia Park
Cazenovia Creek - C	CSO 044	Enhanced High-Rate Clarification Facility at
Cazeriovia Creek - C	030 044	South Side Catholic Club, Inc.
		Count oldo Catholio Clab, Inc.
Cazenovia Creek - C	CSOs 046, 049	Enhanced High-Rate Clarification Facility at Vacant Lot
Cazenovia Creek - C	CSOs 047, 048	Enhanced High-Rate Clarification Facility at
		City of Buffalo Lot
Cazenovia Creek - C	CSOs 047, 048	Partial Separation
Cornelius Creek	CSO 055	Enhanced High-Rate Clarification Facility at
		City of Buffalo Lot
0 1 0 1	000 055	0.4510
Cornelius Creek	CSO 055	Partial Separation



Table 9-12 Alternative 4B Summary

Receiving Water Body	CSOs Controlled	Description
Niagara River	CSO 011	Enhanced High-Rate Clarification Facility at Broderick Park
Niagara River	CSO 054	Enhanced High-Rate Clarification Facility at Riverside Park
Niagara River	CSO 054	Partial Separation
Scajaquada Creek	CSO 053 controlled	Enhanced High-Rate Clarification Facilities at
	at tributary SPPs	Canisius College
		City of Buffalo Lot
		City of Buffalo Lot / Boys Club of Buffalo
		/Tabernacle Baptist Church
		B T Realty Corporation
		Nevins Thomas / Vacant Lot
		American Axle and Manufacturing Corporation
		Niagara Mohawk Power Corporation
		Schiller Park
		Schiller Park
Scajaquada Creek	CSO 056	Enhanced High-Rate Clarification Facility at Delaware Park
Scajaquada Creek	CSOs 057, 058	Enhanced High-Rate Clarification Facility at
		Fedco Automotive
Scajaquada Creek	CSO 059	Enhanced High-Rate Clarification Facility at Erie County
		Industrial Development Agency
Scajaquada Creek	CSO 060	Enhanced High-Rate Clarification Facility at
		City of Buffalo Lot
Scajaquada Creek	CSOs 053, 056	Partial Separation
4 1 4 7 1 1 1 1 1 1 1	CSOs 057, 058	

Note

Alternative 4B includes all modifications listed for Alternative 1. Table 9-12 lists only additional modifications in Alternative 4B that are not included in Alternative 1.



Table 9-13 Alternative 4B Cost Estimate Summary

Receiving Water Body	CSOs Controlled	Description		Capital	PENIO	th Cost Estimat O&M	Ī	Total
Black Rock Canal	CSO 903	Enhanced High-Rate Clarification Facility at Rich Marina	S	Сврпа	\$	Cem	\$	(Otal
DAISH FROM DURA	000 000	armanad riigiri sala aramanan saliisy ar sidriimana	-		-		-	
Black Rock Canal	CSD 004	Enhanced High-Rate Clarification Facility at	\$	9,456,016	\$	1,425,907	\$	10,881,93
C #3	200	Erie County Industrial Development Agency			157			
Pleat Pert Const	000 000	February III at the Control of Feethers	-				-	
Black Rock Canal	CSO 006	Enhanced High-Rate Clarification Facility at City of Buffalo Lot	5	7,909,792	5	1,006,733	5	8,916,52
		City of Buffalo Lot	5	6,265,625		1,139,292		7,404,91
		Knight, Anthony / City of Buffalo	S	-	5	77.00,000	5	41.030
Black Rock Canal	CSO 010	Enhanced High-Rate Clarification Facility at	\$	3,259,713	S	863,426	\$	4,123,13
		Erie County Industrial Development Agency						
Black Rock Canal	CSO 012	Enhanced High-Rate Clarification Facility at	5	20,022,588	8	3,933,783	4	23,956,37
Diam'r rour and its	000012	Ciminelli International Services LLC	1	EUIOEEIOO	-	0,000,700	-	20,000,01
			h					
Black Rock Canal	CSOs 008, 061	Enhanced High-Rate Clarification Facilities Brown	\$	1,474,316	\$	703,638	\$	2,177,95
		Cameron / Erie Niagara Public Benefit Funding Corporation	-					
Direct Deals Count	CSOs 013, 063	Enhanced Link Date Modification Facility of	1-	-	-		-	
Black Rock Canal	C505 013, 063	Enhanced High-Rate Clarification Facility at City of Buffalo Waler Department	5		\$		S	
		City of Dunian Waler Coparinon			-			-
Black Rock Canal	CSOs 003, 004	Partial Separation	S	13,125,000		NA	5	13,125,00
Black Rock Canal	CSOs 005, 006		1					
Black Rock Canal	CSOs 007, 009							
Black Rock Canal	CSOs 010, 012		-				_	
Black Rock Canal Black Rock Canal	CSOs 062, 063 CSOs 008, 061		-				-	
DIALK FIOUR CANAD	C30s 000, 001	(-	
Cazenovia Creek - B	CSO 035	Enhanced High-Rate Clarification Facility at Cazenovia Park	5	714,535	\$	647,749	5	1,362,28
Cazenovia Creek - C	CSOs 037, 039	Enhanced High-Rate Clarification Facility at Cazenovia Park	5		\$		5	- D+
De	000 011	Francisco Miles Bate Oberta de Francis	-		-		_	
Cazenovia Creek - C	CSO 044	Enhanced High-Rate Clarification Facility at South Side Catholic Club, Inc.	\$	- 28	\$		5	94
		South Side Califord Citto, Inc.	-	_				
Cazanovia Creek - C	CSOs 046, 049	Enhanced High-Rate Clarification Facility at Vacant Lot	\$	1.0	\$		5	14
Cazenovia Creek - C	CSOs 047, 048	Enhanced High-Rate Clarification Facility at	\$	2,058,951	\$	753,079	\$	2,812,03
		City of Buffalo Lot	-					
Cazenovia Creek - C	CSOs 047, 048	Partial Separation	\$	1,835,938		NA	\$	1,835,930
DOMESTIC COUNTY D	222231123	(a) na osparaci	-	7,400,000			-	1,000,00
Cornellus Creek	CSO 055	Enhanced High-Rate Clarification Facility at	S	64,613,686	\$	15,735,133	5	80,348,81
		City of Buffalo Lot	-					
Carrallus Canal	CSO 055	Redal Secretation	S	E 000 000		NA		F 000 00
Cornelius Creek	CSC 055	Partial Separation		5,000,000	-	NA	5	5,000,000
Niagara River	CSO 011	Enhanced High-Rate Clarification Facility at Broderick Park	\$	7,127,995	s	1,425,907	\$	8,553,900
			-	1,1,2,1,0,0		10.00		4,000,000
Niagara River	CSO 054	Enhanced High-Rate Clarification Facility at Riverside Park	\$	4,021,807	5	753,079	\$	4,774,88
			_			-		
Niagara River	CSO 054	Partial Separation	\$	2,304,688	-	NA	\$	2,304,68
Scajaquada Creek	CSO 053 controlled	Enhanced High-Rate Clarification Facilities at	-					
Scalados Ciaek	at tributary SPPs	Canishus College	s	25,498,278	S	1,984,805	s	27,483,08
	ar choolary or to	City of Buffalo Lot	5	20,100,210	\$	1,50 1,000	\$	E. 1700,00
		City of Buffalo Lot / Boys Club of Buffalo	\$	19,562,500	5	3,933,783	\$	23,496,283
		/Tabernacle Baptist Church			-		-	
		B T Realty Corporation	\$	2,515,825		805,387		3,321,012
		Nevins Thomas / Vacani Lot American Axle and Manufacturing Corporation	\$	11,734,375	5	1,984,805	\$	13,719,18
	-	Niagara Mohawk Power Corporation	\$	19,562,500		3,933,783		23,496,28
		Schiller Park	\$	19,562,500		3,933,783		23,496,28
		Schiller Park	5		5	- A	5	*
							1-	
Scajaquada Creek	CSO 056	Enhanced High-Rate Clarification Facility at Delaware Park	\$	-	S	8 1	\$	
Scajaquada Creek	CSOs 057, 058	Enhanced High-Rate Clarification Facility at	\$	-	•		•	
Scaraquana Creek	0505 037, 056	Fedco Automotive	9		\$		\$	
							-	
Scajaquada Creek	CSO 059	Enhanced High-Rate Clarification Facility at Erle County	\$	F. 1	\$			
		Industrial Development Agency						
0	000 000	5-1	-	heren		2.52.51	_	14.651.6
Scajaguada Creek	CSO 060	Enhanced High-Rate Clarification Facility at	\$	856,808	\$	647,749	\$	1,504,55
		City of Buffalo Lot		-			-	
Scajaquada Creek	CSOs 053, 056	Partial Separation	\$	585,938	_	NA	\$	585,938
		A CONTRACTOR OF THE PROPERTY O		200,000		4461	-	2001000

Alternative 4B includes all modifications listed for Alternative 1. Table 9-13 lists only additional modifications in Alternative 4B that are not included in Alternative 1.

Alternative 4B 1-Month Sub-Total \$
Alternative 1 Total Cost 5 294,680,994 164,583,400

Alternative 4B 1-Month Total Cost \$ 459,264,394

Alternative 4B Cost by Receiving Water Body:		Capital		M&O	Total			
Black Rock Canal	5	138,908,233	5	19,350,115	\$	158,258,347		
Buffaio River	5	87,237,792	5		S	87,237,792		
Cazenovia Creek - B	\$	4,309,859	5	647,749	5	4,957,607		
Cazenovia Creak - C	\$	35,899,772	\$	753,079	S	36,652,852		
Cornelius Creek	5	78,413,686	5	15,735,133	5	94,148,818		
Erie Basin	5	2,751,200	S		\$	2,751,200		
Nlagara River	5	14,641,489	5	2,178,986	5	16,820,476		
Scajaguada Creek	5	51,490,541	\$	6,946,760	\$	58,437,301		



Table 9-13 Alternative 48 Cost Estimate Summary

Receiving Water Body	CSOs Controlled	Description	Capital	2-MO	oam Oam	0	Total
Black Rock Canal	CSO 003	Enhanced High-Rate Clarification Facility at Rich Marina	S -	\$	Calvi	\$	TOTAL
	200					-	10 100 000
Black Rock Canal	CSO 004	Enhanced High-Rate Clarification Facility at Erie County Industrial Development Agency	\$ 41,534,1	41 \$	7,867,586	2	49,401,707
Black Rock Canal	CSO 006	Enhanced High-Rate Clarification Facility at			7 100 000		10.041.001
	-	City of Buffalo Lot City of Buffalo Lot	\$ 9,472,2 \$ 11,734,3		1,139,292		10,611,584
		Knight, Anthony / City of Buffelo	\$ 1,890,6		753,079		2,643,704
Black Rock Canal	CSO 010	Enhanced High-Rate Clarification Facility at Eric County Industrial Development Agency	\$ 4,822,2	13 \$	1,006,733	5	5,828,946
Black Rock Canal	CSO 012	Enhanced High-Rale Clarification Facility at Ciminelli International Services LLC	\$ 20,022,5	88 \$	3,933,783	\$	23,956,371
Black Rock Canal	CSOs 008, 061	Enhanced High-Rate Clarification Facilities Brown Cameron / Erie Niagara Public Benefit Funding Corporation	\$ 11,943,0	66 S	1,984,805	5	13,927,871
Black Rock Canal	CSOs 013, 063	Enhanced High-Rate Clarification Facility at	\$ -	5		\$	
		City of Buffalo Water Department		-		-	_
Black Rock Canal	CSOs 003, 004	Partial Separation	\$ 13,125,0	00	NA	S	13,125,000
Black Rock Canal	CSOs 005, 006	y	-	-			1 11 - 1-1
Black Rock Canal	CSOs 007, 009			-		-	
Black Rock Canal Black Rock Canal	CSOs 010, 012 CSOs 062, 063			-		-	
Black Rock Canal	CSOs 002, 063 CSOs 008, 061			+		-	
	11.1	Entered Unit Date Challenthe Facility of Consults Body	e 1000 F	25.0	700 500		0.042.470
Cezenovia Creek - B	CSO 035	Enhanced High-Rate Clarification Facility at Cazenovia Park			703,638	2	2,043,173
Cazenovia Creek - C	CSOs 037, 039	Enhanced High-Rate Clarification Facility at Cazenovia Park	\$ 4,367,1	84 \$	805,387	\$	5,172,571
Cazenovia Creek - C	CSO 044	Enhanced High-Rate Clarification Facility at South Side Catholic Club, Inc.	\$ -	S		\$	- 1
Cazenovia Creek - C	CSOs 046, 049	Enhanced High-Rate Clarification Facility at Vacant Lot	s	s	- 84	5	
Cazenovia Creek - C	CSOs 047, 048	Enhanced High-Rate Clarification Facility at City of Buffalo Lot	\$ 3,308,9	51 \$	863,426	s	4,172,377
Cazenovia Creek - C	CSOs 047, 048	Partial Separation	\$ 1,835,9	38	NA	5	1,835,938
Cornelius Creek	CSO 055	Enhanced High-Rate Clarification Facility at City of Buffalo Lot	\$ 80,238,6	86 \$	19,668,916	\$	99,907,602
Cornelius Creek	CSO 055	Partial Separation	\$ 5,000,0	00	NA	\$	5,000,000
Niagara River	CSO 011	Enhanced High-Rate Clarification Facility at Broderick Park	\$ 19,643,6	20 5	3,933,783	s	23,577,403
Nlagara River	CSO 054	Enhanced High-Rate Clarification Facility at Riverside Park	\$ 4,021,8	07 5	753,079	5	4,774,686
Niagara River	CSO 054	Partial Separation	\$ 2,304,6	88	NA	\$	2,304,688
Scajaquada Creek	cSO 063 controlled at tributary SPPs	Enhanced High-Rate Clarification Facilities at	\$ 25,498,2	70 6	1,984,805		27,483,083
	at tributary SPFS	Canisius College City of Buttalo Lot	\$ 25,498,2 \$ 640,6		647,749		1,288,374
		City of Buffalo Lot / Boys Club of Buffalo	\$ 29,359,3		5,900,675	\$	35,260,050
		/Tabernacle Baptist Church			171071		
		B T Realty Corporation	\$ 4,703,1		1,006,733		5,709,858
		Nevins Thomas / Vacant Lot American Ade and Manufacturing Corporation	\$ 1,265,6 \$ 19,562,5		703,638		1,969,263
		Niagara Mohawk Power Corporation	\$ 19,562,5		3,933,783	5	23,496,283
		Schiller Park	\$ 19,562,5		3,933,783		23,496,283
		Schiller Park	\$ 640,6		647,749		1,288,374
Scajaquada Creek	CSO 056	Enhanced High-Rate Clarification Facility at Delaware Park	\$.	\$		5	1-
Scajaquada Creek	CSOs 057, 058	Enhanced High-Rate Clarification Facility at		74 \$	647,749		1,404,523
		Fedco Automotive					
Scajaquada Creek	CSO 059	Enhanced High-Rate Clarification Facility at Erie County Industrial Development Agency	s ·	s			
Scajaguada Creek	CSO 060	Enhanced High-Rate Clarification Facility at	\$ 1,481,8	18 \$	703,638	s	2,185,446
		City of Buffalo Lot	0	+		-	
Scajaquada Creek	CSOs 053, 056	Partial Separation	\$ 585,9	38	NA	5	585,938
	CSOs 057, 058					-	

Attemptive 48 includes all modifications listed for Attemptive 1. Table 9-15 lists only additional modifications in

Alternative 48 2-Month Sub-Total \$ Alternative 1 Total Cost \$ 429,666,758 164,583,400

Alternative 48 2-Month Total Cost \$ 594,250,158

Alternative 4B Cost by Receiving Water Body:		Capital		O&M		Total
Black Rock Canal	\$	205,802,295	\$	32,739,538	\$	238,541,833
Buffalo River	5	87,237,792	\$		\$	87,237,792
Cazenovia Creek - B	5	4,934,859	S	703,638	\$	5,638,497
Cazenovia Creek - C	5	41,516,956	S	1,668,813	\$	43,185,769
Cornelius Creek	S	94,038,686	S	19,668,916	5	113,707,602
Erie Basin	\$	2,751,200	\$		\$	2,751,200
Niagara River	\$	27,157,114	\$	4,686,863	5	31,843,977
Scalaguada Creek	\$	61,368,877	\$	9,974,612	\$	71,343,490



Table 9-13 Alternative 4B Cost Estimate Summary

Receiving Water Body	CSOs Controlled	Description	-		J-WOL	th Cost Estimat	1	Total
Black Rock Canal	CSO 003	Enhanced High-Rate Clarification Facility at Rich Marina	S	Capital		M&O		Total
DIRECK FLOCK CAPIED	030 003	El War 200 (Signification) Pacifity at Friest Marina	3		\$		5	
Black Rock Canal	CSO 004	Enhanced High-Rate Clarification Facility at Erie County Industrial Development Agency	\$	41,534,141	5	7,867,566	\$	49,401,70
Black Rock Canal	CSO 006	Enhanced High-Rate Clarification Facility at	-		-		-	
	74.740	City of Buffalo Lot	\$	10,253,542	\$	1,425,907	S	11,679,44
		City of Buffalo Lot	5	11,734,375		1,984,605		13,719,18
	-	Knight, Anthony / City of Buffalo	5	4,703,125		1,006,733		5,709,85
Black Rock Canal	CSO 010	Enhanced High-Rate Clarification Facility at	5	2 201 712		1 100 000	-	7 10 1 00
Black Hock Canal	CSOOIU	Erie County Industrial Development Agency	3	6,384,713	3	1,139,292	3	7,524,008
Black Rock Canal	CSO 012	Enhanced High-Rate Clarification Facility at	5	29,819,463	5	5,900,675	5	35,720,138
	27.50	Ciminelli International Services LLC			-			
Black Rock Canal	CSOs 008, 061	Enhanced High-Rate Clarification Facilities Brown Cameron / Erie Niagara Public Benefit Funding Corporation	\$	19,771,191	\$	3,933,783	s	23,704,974
Black Rock Canal	CSOs 013, 063	Enhanced High-Rate Clerification Facility at	5		5		\$	
		City of Buffalo Water Department						
Black Rock Canal	CSOs 003, 004	Partial Separation	s	13,125,000	-	NA	5	13,125,000
Black Rock Canal	CSOs 005, 006	4 1 4 1 1 2 4 1 4 1						
Black Rock Canal	CSOs 007, 009							
Black Rock Canal	CSOs 010, 012							
Black Rock Canal	CSOs 062, 063							
Black Rock Canal	CSOs 008, 061							
Cazanovia Creek - B	CSO 035	Enhanced High-Rate Clarification Facility at Cazenovia Park	s	1,339,535	\$	703,638	S	2,043,173
	CSOs 037, 039							
Cazenovia Creek - C		Enhanced High-Rate Clarification Facility at Cazenovia Park	\$	8,117,184	S	1,139,292	\$	9,256,476
Cazenovis Creek - C	CSO 044	Enhanced High-Rate Clarification Facility at South Side Catholic Club, Inc.	\$		S		\$	
Cazenovia Creek - C	CSOs 046, 049	Enhanced High-Rate Clarification Facility at Vacant Lot.	5	-	5	- 2.	s	- 70
Cazenovia Creek - C	CSOs 047, 048	Enhanced High-Rate Clarification Facility at City of Buffalo Lot	\$	4,871,451	\$	1,006,733	\$	5,878,184
Cazenovia Creek - C	CSOs 047, 048	Partial Separation	s	1,835,938		NA	\$	1 000 000
							1	1,835,938
Cornelius Creek	CSO 055	Enhanced High-Rate Clarification Facility at City of Buffalo Lot	\$	95,863,686	S	23,602,699	5	119,466,385
Cornellus Creek	CSO 055	Partial Separation	s	5,000,000		NA	\$	5,000,000
Niagara River	CSO 011	Enhanced High-Rate Clarification Facility at Broderick Park	\$	19,643,520	\$	3,933,783	\$	23,577,403
Niagara River	CSO 054	Enhanced High-Rate Clarification Facility at Riverside Park	\$	4,646,807	S	805,387	5	5,452,194
Niagara River	CSO 054	Partial Separation	\$	2,304,688		NA	\$	2,304,688
				2,001,000			*	2,007,000
Scajaguada Creek	CSO 053 controlled	Enhanced High-Rate Clarification Facilities at			_		_	
	at tributary SPPs	Canisius College	\$	33,325,403		3,933,783		37,260,186
		City of Buffalo Lot / City of Buffalo Lot / Boys Club of Buffalo	\$	640,625 39,125,000	5	647,749 7,867,566		1,288,374 45,992,566
		/Tabernacie Baptist Church	-	55,125,000		7,507,500	-	40,000,000
		B T Realty Corporation	\$	7,046,875	\$	1,425,907	S	8,472,782
		Nevins Thomas / Vacant Lot	\$	3,140,625		863,426		4,004,051
		American Axis and Manufacturing Corporation	5	19,562,500		3,933,783		23,496,283
	1	Niagara Mohawk Power Corporation	5	29,359,375		5,900,575		35,260,050
		Schiller Park	5	19,562,500		3,933,783		23,496,283
		Schiller Park	\$	640,625	\$	647,749		1,288,374
Scajaguada Creek	CSO 056	Enhanced High-Rate Clarification Facility at Delaware Park	\$	- 7	\$		\$	- 9
Scajeguada Creek	CSOs 057, 058	Enhanced High-Rate Clarification Facility at Fedoo Automotive	\$	756,774	\$	647,749	\$	1,404,523
Scajaquada Creek	CSO 059	Enhanced High-Rate Clarification Facility at Erie County	\$	675,954	5	647,749	\$	1,323,703
		Industrial Development Agency						
	CSO 060	Enhanced High-Rate Clarification Facility at	\$	1,481,808	\$	703,638	5	2,185,446
Scajaquada Creek		City of Buffalo Lot			1. 1.			
Scajaquada Creek Scajaquada Creek	CSOs 053, 056		\$	585,938		NA	\$	585,938

Note:

Alternative 48 includes all modifications listed for Alternative 1. Table 9-13 lists only additional modifications in Alternative 48 that are not included in Alternative 1. Alternative 48 3-Month Sub-Total \$ 522,457,310
Alternative 1 Total Cost \$ 164,583,400

Alternative 4B 3-Month Total Cost \$ 687,040,710

Alternative 4B Cost by Receiving Water Body:

Black Rock Canal

Buffalo River

\$ 248,181,358 \$ 41,334,503 \$ 289,515,861

Buffalo River

\$ 87,237,792 \$ - \$ 87,237,792

Cazenovia Creek - 8 \$ 4,934,859 \$ 703,638 \$ 56,638,97

Cazenovia Creek - 5 \$ 46,829,456 \$ 21,146,026 \$ 48,975,482

Cornelius Creek

\$ 109,683,686 \$ 23,602,699 \$ 133,265,385

Erie Basin

\$ 2,751,200 \$ - \$ \$ 2,751,200

Nlagara River

\$ 27,782,114 \$ 4,739,170 \$ 32,521,284

Scajaquada Creek

\$ 74,056,394 \$ 13,077,816 \$ 87,134,209



Table 9-13 Alternative 4B Cost Estimate Summary

Receiving Water Body	CSOs Controlled	Description	-		4-MOD	th Cost Estimat	8	Total
Black Rock Canal	CSO 003	Enhanced High-Rate Clarification Facility at Rich Marina	\$	Capital	s	O&M	\$	Total
DIBUK MUCK CANAL	CSCWS	Enablished High-hale Clarification Facility as Frich Mastria	3	-	9			
Black Rock Canal	CSO 004	Enhanced High-Rate Clarification Facility at	5	61,096,641	\$	11,801,350	\$	72,897,991
		Erie County Industrial Development Agency		-				
Black Rock Canal	CSO 006	Enhanced High-Rate Clarification Facility at		12.050.540			-	22 000 240
		City of Buffalo Lot City of Buffalo Lot	\$	10,253,542		1,425,907		11,679,449
		Knight, Anthony / City of Bulfalo	\$	7,046,875		1,425,907		8,472,782
		runging rationary rolly of during	1	1,040,010	-	1,420,001	*	O, TE, TOE
Black Rock Canal	CSO 010	Enhanced High-Rate Claritication Facility at	5	6,384,713	\$	1,139,292	\$	7,524,005
		Erie County Industrial Development Agency	T					
DI - 1 D - 1 D1	CSO 012	Telescond Data Data Classification Franchist	-	20 210 422		r oon tran		00 700 100
Black Rock Canal	C50 012	Enhanced High-Rate Clarification Facility at Clininelli International Services LLC	\$	29,819,463	3	5,900,675	3	35,720,138
Black Rock Canal	CSOs 008, 061	Enhanced High-Rate Clarification Facilities Brown	\$	19,771,191	\$	3,933,783	\$	23,704,974
		Cameron / Erle Niagara Public Benafit Funding Corporation						
Bleef Beel Canal	CSOs 013, 063	Eshaped Lieb Gate Civillantias Facility of	-	6,701,294	5	647,749		7,349,043
Black Rock Canal	CSCS 013, 063	Enhanced High-Rate Clarification Facility at City of Buffalo Water Department	\$	6,701,294	3	047,749	9	7,349,043
		City of Duries TVales Department						
Black Rock Canal	CSOs 003, 004	Partial Separation	15	13,125,000		NA	\$	13,125,000
Black Rock Canal	CSOs 005, 006							
Black Rock Canal	CSOs 007, 009							
Black Rock Canal	CSOs 010, 012		Y -					
Black Rock Canal	CSOs 062, 063							
Black Rock Canal	CSOs 008, 061		-		_		-	
Cazenovia Creek - B	CSO 035	Enhanced High-Rate Clarification Facility at Cazenovia Park	5	1,964,535	5	753,079	8	2,717,614
CHESTIONIC CITED O	100 000	Eminated right rata continuation rating at electronia rain		(iocijaco	1		Ť	2,111,014
Cazenovia Creek - C	CSOs 037, 039	Enhanced High-Rate Clarification Facility at Cazenovia Park	S	8,898,434	\$	1,425,907	\$	10,324,341
Cazenovia Creek - C	CSO 044	Enhanced High-Rate Clarification Facility at	S		\$		\$	
Cezenovia Creex - C	CSO 044	South Side Catholic Club, Inc.	3		3	•	3	
Cazanovia Creek - C	CSOs 046, 049	Enhanced High-Rate Clarification Facility at Vacant Lot	\$	1,090,178	\$	647,749	5	1,737,927
			-		-			
Cazenovia Creek - C	CSOs 047, 048	Enhanced High-Rate Clarification Facility at	5	4,871,451	\$	1,006,733	\$	5,878,184
		City of Buffalo Lot	-		_		-	
Cazenovia Creek - C	CSOs 047, 048	Partial Separation	S	1,835,938	-	NA	\$	1,835,938
Cazeriovia Creax - C	0000 017, 040	T alla deputation	-	1,000,000		140	3	1,000,500
Cornellus Creek	CSO 055	Enhanced High-Rate Clarification Facility at	s	111,519,936	\$	27,536,482	\$	139,056,418
		City of Buffalo Lot						
Comelius Creek	CSO 055	Partial Separation	s	5,000,000	-	NA.	\$	5,000,000
Correlias Creak	000 000	t at the Department	-	2,000,000		190	-	5,000,000
Niagara River	CSO 011	Enhanced High-Rate Clarification Facility at Broderick Park	\$	19,643,620	\$	3,933,783	\$	23,577,403
Niagara River	CSO 054	Enhanced High-Rate Clarification Facility at Riverside Park	s	5,271,807	\$	863,426	s	6,135,233
Minding Lives	030 034	Emanceo rigirrate ciamicatori raciny ai rive side raik	-	5,271,007	.0	565,420	3	0,130,233
Nlegara River	CSO 054	Partial Separation	\$	2,304,688		NA	\$	2,304,688
	000 000				_			
Scajaquada Creek	CSO 053 controlled at tributary SPPs	Enhanced High-Rate Clarification Facilities at Carristus College		33,326,403	5	3,933,783		37,260,186
	a tributary or ra	City of Buffalo Lot	S		\$	647,749		1,288,374
		City of Buffalo Lot / Boys Club of Buffalo	\$	39,125,000	\$	7,867,566		46,992,568
		/Tabernacle Baptist Church				7 61 50		13,133,133
		B T Realty Corporation	S	7,046,875	5	1,425,907		8,472,782
		Nevins Thomas / Vacant Lot	5	6,265,625		1,139,292		7,404,917
		American Axie and Manufacturing Corporation	5	19,562,500		3,933,783		23,496,283
		Niagara Mohawk Power Corporation	\$	29,359,375		5,900,675		35,260,050
	-	Schiller Park	5	19,562,500		3,933,783		23,496,283
		Schiller Park	\$	640,625	2	647,749	0	1,288,374
Scajaquada Creek	CSO 056	Enhanced High-Rate Clarification Facility at Delaware Park	\$	- 100	5	74	\$	
	000 000		-	-	-			47774
Scajaquada Creek	CSOs 057, 058	Enhanced High-Rate Clarification Facility at Fedco Automotive	5	756,774	5	647,749	5	1,404,523
		, see minimipate						
Scajaquada Creek	CSO 059	Enhanced High-Rate Clarification Facility at Erie County	\$	675,954	s	647,749	\$	1,323,703
	300	Industrial Development Agency						
divining a la	000 000	Parameter Day Challenge To the Control of the Contr	-	4 461 500	-	700.00	-	0.000
Scajaquada Creek	CSO 060	Enhanced High-Rate Clarification Facility at	\$	1,481,808	\$	703,638	\$	2,185,446
		City of Buffalo Lot	-					
Scajaquada Creek	CSOs 053, 056	Partial Separation	5	585,938		NA	\$	585,938
	CSOs 057, 058	to make a ART mile to			_			2001000

Alternative 48 includes all modifications fated for Alternative 1. Table 9-13 lists only additional modifications in Alternative 48 that are not included in Alternative 1.

Alternative 4B 4-Month Sub-Total \$ Alternative 1 Total Cost \$

> Alternative 48 4-Month Total Cost \$ 747,803,132

583,219,732

164,583,400

Alternative 48 Cost by Receiving Water Body:

Black Rock Canal S
Buffalo River S
Cazenovia Creek - B S
Cazenovia Creek - C
Cornellus Creek S
Erie Basin S Capital 278,726,401 \$ 87,237,792 \$ 5,559,859 \$ 48,700,885 \$ 125,319,936 \$ 2,751,200 \$ 28,407,114 \$ 75,243,894 \$ Total Total 325,232,647 87,237,792 6,312,938 51,781,274 152,856,418 2,751,200 33,204,323 46,506,245 \$ 753,079 \$ 3,080,389 \$ 27,536,482 \$ 4,797,209 S 13,182,645 S Niagara River 5 Scalaquada Creek 5 88,426,538



Table 9-13 Alternative 48 Cost Estimate Summary

Black Rock Canal CSO CSO Cazenovia Creek - C CSO	CO 003 CO 004 CO 006 CO 006 CO 010 CO 012 COS 008, 061 COS 003, 063 COS 003, 004 COS 005, 006 COS 007, 009 COS 010, 012 COS 082, 063 COS 008, 061 COS 007, 009 COS 007	Enhanced High-Rate Clarification Facility at Rich Merina Enhanced High-Rate Clarification Facility at Eric County Industrial Development Agency Enhanced High-Rate Clarification Facility at City of Buffalo Lot Knight, Anthony / City of Buffalo Enhanced High-Rate Clarification Facility at Eric County Industrial Development Agency Enhanced High-Rate Clarification Facility at Eric County Industrial Development Agency Enhanced High-Rate Clarification Facility at Ciminelli International Services LLC Enhanced High-Rate Clarification Facility at Cimeron / Eric Niagara Public Benefit Funding Corporation Enhanced High-Rate Clarification Facility at City of Buffalo Water Department Partial Separation Enhanced High-Rate Clarification Facility at Cazenovia Park	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Capital 81,096,841 10,253,542 11,734,975 11,734,975 7,165,983 39,585,088 29,588,066 6,701,294 13,125,000 2,589,535 13,585,934 930,950	\$ \$ \$	11,801,350 1,425,907 1,984,805 1,984,805 1,425,907 7,867,566 5,900,675 647,749 NA 805,387	\$ \$ \$ \$ \$	Total 72,897,99 11,679,444 13,719,18(13,719,18(13,719,18(47,452,65(47,452,65(47,452,65(47,452,65(47,452,65(47,349,04(47,
Black Rock Canal CSO CSO Cazenovia Creek - C CSO	O 004 O 006 O 010 O 012 OS 008, 061 OS 003, 004 OS 005, 006 OS 007, 009 OS 010, 012 OS 008, 061	Enhanced High-Rate Clarification Facility at Eric County Industrial Development Agency Enhanced High-Rate Clarification Facility at City of Buffalo Lot City of Buffalo Lot Knight, Anthony / City of Buffalo Enhanced High-Rate Clarification Facility at Eric County Industrial Development Agency Enhanced High-Rate Clarification Facility at Ciminelli International Services LLC Enhanced High-Rate Clarification Facilities Brown Cameron / Eric Niagara Public Benefit Funding Corporation Enhanced High-Rate Clarification Facility at City of Suffalo Water Department. Partial Separation Enhanced High-Rate Clarification Facility at Cazenovia Park	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,253,542 11,734,375 11,734,375 7,165,983 39,585,088 29,588,066 6,701,294 13,125,000	\$ \$ \$ \$ \$ \$ \$ \$ \$	1,425,907 1,984,805 1,984,805 1,984,805 1,425,907 7,867,566 5,900,675 847,749 NA	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	11,679,44 13,719,18 13,719,18 13,719,18 8,591,67 47,452,65 35,468,74 7,349,04 13,125,00
Black Rock Canal CSO Cazenovia Creek - CSO	CO 006 CO 010 CO 012 CO 013, 063 COS 003, 004 COS 005, 006 COS 007, 009 COS 008, 061 COS 008, 061 COS 008, 061 COS 007, 039 COS 007, 039 COS 007, 039 COS 0044	Erie County Industrial Development Agency Enhanced High-Rate Clarification Facility at City of Buffalo Lot City of Buffalo Lot Knight, Anthony / City of Buffalo Enhanced High-Rate Clarification Facility at Erie County Industrial Development Agency Enhanced High-Rate Clarification Facility at Ciminelli International Services LLC Enhanced High-Rate Clarification Facilities Brown Cameron / Erie Niagara Public Benefit Funding Corporation Enhanced High-Rate Clarification Facility at City of Buffalo Water Department Partial Separation Enhanced High-Rate Clarification Facility at Cazenovia Park	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,253,542 11,734,375 11,734,375 7,165,983 39,585,088 29,588,066 6,701,294 13,125,000	\$ \$ \$	1,425,907 1,984,805 1,984,805 1,984,805 1,425,907 7,867,566 5,900,675 847,749 NA	\$ \$ \$ \$ \$	11,679,44 13,719,18 13,719,18 13,719,18 8,591,87 47,452,65 35,468,74 7,349,04 13,125,00
Black Rock Canal CSO Cazenovia Creek - C CSO	CO 010 CO 012 CO 012 COS 008, 061 COS 013, 063 COS 003, 004 COS 005, 006 COS 007, 009 COS 010, 012 COS 008, 061 COS 007, 039 COS 0044	Enhanced High-Rate Clarification Facility at City of Buffalo Lot City of Buffalo Lot Knight, Anthony / City of Buffalo Enhanced High-Rate Clarification Facility at Enhanced High-Rate Clarification Facility at Enhanced High-Rate Clarification Facilities Brown Cameron / Enhanced High-Rate Clarification Facilities Brown Cameron / Enhanced High-Rate Clarification Facilities Brown City of Buffalo Water Department Partial Separation Enhanced High-Rate Clarification Facility at City of Buffalo Water Department Enhanced High-Rate Clarification Facility at Cazenovia Park Enhanced High-Rate Clarification Facility at South Side Catholic Club, Inc.	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11,734,975 11,734,975 7,165,983 39,585,088 29,588,066 6,701,294 13,125,000 2,589,535 13,585,934	\$ \$ \$	1,984,805 1,984,805 1,425,907 7,867,566 5,900,675 647,749 NA	\$ \$ \$	13,719,16 13,719,16 8,591,87 47,452,68 35,468,74 7,349,04 13,125,00
Black Rock Canal CSO Cazenovia Creek - C CSO	CO 010 CO 012 CO 012 COS 008, 061 COS 013, 063 COS 003, 004 COS 005, 006 COS 007, 009 COS 010, 012 COS 008, 061 COS 007, 039 COS 0044	City of Buffalo Lot City of Buffalo Lot Knight, Anthony / City of Buffalo Enhanced High-Rate Clarification Facility at Eric County Industrial Development Agency Enhanced High-Rate Clarification Facility at Ciminelli International Services LLC Enhanced High-Rate Clarification Facilities Brown Cameron / Eric Niagara Public Benefit Funding Corporation Enhanced High-Rate Clarification Facility at City of Suffalo Water Department Partial Separation Enhanced High-Rate Clarification Facility at Cazenovia Park Enhanced High-Rate Clarification Facility at South Side Catholic Club, Inc.	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11,734,975 11,734,975 7,165,983 39,585,088 29,588,066 6,701,294 13,125,000 2,589,535 13,585,934	\$ \$ \$	1,984,805 1,984,805 1,425,907 7,867,566 5,900,675 647,749 NA	\$ \$ \$	13,719,18 13,719,18 8,591,87 47,452,68 35,468,74 7,349,04 13,125,00
Black Rock Canal CSO Cazenovia Creek - C CSO	CO 010 CO 012 CO 012 COS 008, 061 COS 013, 063 COS 003, 004 COS 005, 006 COS 007, 009 COS 010, 012 COS 008, 061 COS 007, 039 COS 0044	City of Buffalo Lot City of Buffalo Lot Knight, Anthony / City of Buffalo Enhanced High-Rate Clarification Facility at Eric County Industrial Development Agency Enhanced High-Rate Clarification Facility at Ciminelli International Services LLC Enhanced High-Rate Clarification Facilities Brown Cameron / Eric Niagara Public Benefit Funding Corporation Enhanced High-Rate Clarification Facility at City of Suffalo Water Department Partial Separation Enhanced High-Rate Clarification Facility at Cazenovia Park Enhanced High-Rate Clarification Facility at South Side Catholic Club, Inc.	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11,734,975 11,734,975 7,165,983 39,585,088 29,588,066 6,701,294 13,125,000 2,589,535 13,585,934	\$ \$ \$	1,984,805 1,984,805 1,425,907 7,867,566 5,900,675 647,749 NA	\$ \$ \$	13,719,18 13,719,18 8,591,87 47,452,65 35,468,74 7,349,04 13,125,00
Black Rock Canal CSO Cazenovia Creek - CSO	OS 008, 061 OS 003, 063 OS 003, 004 OS 005, 006 OS 007, 009 OS 010, 012 OS 082, 063 OS 083, 061 OS 087, 039 O 044	City of Buffalo Lot Knight, Anthony / City of Buffalo Enhanced High-Rate Clarification Facility at Ene County Industrial Development Agency Enhanced High-Rate Clarification Facility at Ciminstill International Services LLC Enhanced High-Rate Clarification Facilities Brown Cameron / Erie Niagara Public Benefit Funding Corporation Enhanced High-Rate Clarification Facility at City of Buffalo Water Department. Partial Separation Enhanced High-Rate Clarification Facility at Cazenovia Park	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11,734,975 11,734,975 7,165,983 39,585,088 29,588,066 6,701,294 13,125,000 2,589,535 13,585,934	\$ \$ \$	1,984,805 1,984,805 1,425,907 7,867,566 5,900,675 647,749 NA	\$ \$ \$	13,719,18 13,719,18 8,591,87 47,452,65 35,468,74 7,349,04 13,125,00
Black Rock Canal CSO Cazenovia Creek - B CSO Cazenovia Creek - C CSO	OS 008, 061 OS 003, 063 OS 003, 004 OS 005, 006 OS 007, 009 OS 010, 012 OS 082, 063 OS 083, 061 OS 087, 039 O 044	Enhanced High-Rate Clarification Facility at Erie County Industrial Development Agency Enhanced High-Rate Clarification Facility at Ciminelli International Services LLC Enhanced High-Rate Clarification Facilities Brown Cameron / Erie Niagara Public Benefit Funding Corporation Enhanced High-Rate Clarification Facility at City of Suffalo Water Department Partial Separation Enhanced High-Rate Clarification Facility at Cazenovia Park	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,165,983 39,585,088 29,568,066 6,701,294 13,125,000 2,589,535 13,585,934	\$ \$	1,425,907 7,867,566 5,900,675 647,749 NA	\$ \$	8,591,87 47,452,65 35,468,74 7,349,04 13,125,00
Black Rock Canal CSO Cazenovia Creek - B CSO Cazenovia Creek - C CSO	OS 008, 061 OS 003, 063 OS 003, 004 OS 005, 006 OS 007, 009 OS 010, 012 OS 082, 063 OS 083, 061 OS 087, 039 O 044	Erie County Industrial Development Agency Enhanced High-Rate Clarification Facility at Cimineill International Services LLC Enhanced High-Rate Clarification Facilities Brown Cameron / Erie Niagara Public Benefit Funding Corporation Enhanced High-Rate Clarification Facility at City of Buffalo Water Department Partial Separation Enhanced High-Rate Clarification Facility at Cazenovia Park	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	39,585,088 29,568,066 6,701,294 13,125,000 2,589,535 13,585,934	\$ 5	7,867,566 5,900,675 647,749 NA	\$ \$	47,452,65 35,468,74 7,349,04 13,125,00
Black Rock Canal CSO Cazenovia Creek - B CSO Cazenovia Creek - C CSO	OS 008, 061 OS 003, 063 OS 003, 004 OS 005, 006 OS 007, 009 OS 010, 012 OS 082, 063 OS 083, 061 OS 087, 039 O 044	Erie County Industrial Development Agency Enhanced High-Rate Clarification Facility at Cimineill International Services LLC Enhanced High-Rate Clarification Facilities Brown Cameron / Erie Niagara Public Benefit Funding Corporation Enhanced High-Rate Clarification Facility at City of Buffalo Water Department Partial Separation Enhanced High-Rate Clarification Facility at Cazenovia Park	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	39,585,088 29,568,066 6,701,294 13,125,000 2,589,535 13,585,934	\$ 5	7,867,566 5,900,675 647,749 NA	\$ \$	47,452,65 35,468,74 7,349,04 13,125,00
Black Rock Canal CSO Cazenovia Creek - CSO	Os 008, 061 Os 013, 063 Os 003, 004 Os 005, 006 Os 007, 009 Os 010, 012 Os 082, 063 Os 008, 061 Os 037, 039 O 044	Cimineill International Services LLC Enhanced High-Rate Clarification Facilities Brown Cemeron / Erie Niagara Public Benefit Funding Corporation Enhanced High-Rate Clarification Facility at City of Suffalo Water Department Partial Separation Enhanced High-Rate Clarification Facility at Cazenovia Park	\$ 5 5 5 5 5	29,568,066 6,701,294 13,125,000 2,589,535 13,585,934	\$ \$	5,900,675 647,749 NA 805,387	\$ \$	35,468,74 7,349,04 13,125,00 3,394,92
Black Rock Canal CSO Cazenovia Creek - B CSO Cazenovia Creek - C CSO	Os 013, 063 Os 003, 004 Os 005, 006 Os 007, 009 Os 010, 012 Os 082, 063 Os 008, 061 O 035 Os 037, 039 O 044	Cameron / Erie Niagara Public Benefit Funding Corporation Enhanced High-Rare Clarification Facility at City of Buffalo Water Department. Partial Separation Enhanced High-Rate Clarification Facility at Cazenovia Park	\$ \$ \$ \$	6,701,294 13,125,000 2,589,535 13,585,934	\$	847,749 NA 806,387	\$	7,349,04 13,125,00 3,384,92
Black Rock Canal CSO Cazenovia Creek - B CSO Cazenovia Creek - C CSO	Os 003, 004 Os 005, 006 Os 007, 009 Os 010, 012 Os 062, 063 Os 068, 061 O 035 Os 037, 039 O 044 Os 046, 049	Enhanced High-Rate Clarification Facility at City of Suffato Water Department Partial Separation Enhanced High-Rate Clarification Facility at Cazenovia Park	\$ \$ \$	13,125,000 2,589,535 13,585,934	5	NA 805,387	s	13,125,000 3,394,922
Black Rock Canal CSO Cazenovia Creek - B CSO Cazenovia Creek - C CSO	Os 003, 004 Os 005, 006 Os 007, 009 Os 010, 012 Os 062, 063 Os 068, 061 O 035 Os 037, 039 O 044 Os 046, 049	City of Suffalo Water Department Partial Separation Enhanced High-Rate Clarification Facility at Cazenovia Park	\$ \$ \$	13,125,000 2,589,535 13,585,934	5	NA 805,387	s	13,125,000 3,394,922
Black Rock Canal CSO Cazenovia Creek - B CSO Cazenovia Creek - C CSO	Os 005, 006 Os 007, 009 Os 010, 012 Os 062, 063 Os 008, 061 O 035 Os 037, 039 O 044	Enhanced High-Rate Clarification Facility at Cazenovia Park Enhanced High-Rate Clarification Facility at Cazenovia Park Enhanced High-Rate Clarification Facility at South Side Catholic Club, Inc.	\$ \$	2,589,535 13,585,934	\$	805,387	s	3,384,922
Black Rock Canal CSO Cazenovia Creek - B CSO Cazenovia Creek - C CSO	Os 005, 006 Os 007, 009 Os 010, 012 Os 062, 063 Os 008, 061 O 035 Os 037, 039 O 044	Enhanced High-Rate Clarification Facility at Cazenovia Park Enhanced High-Rate Clarification Facility at Cazenovia Park Enhanced High-Rate Clarification Facility at South Side Catholic Club, Inc.	\$ \$	2,589,535 13,585,934	\$		s	3,384,922
Black Rock Canal CSO Black Rock Canal CSO Black Rock Canal CSO Cazenovia Creek - B CSO Cazenovia Creek - C CSO	Os 010, 012 Os 062, 063 Os 008, 061 Os 037, 039 O 044 Os 046, 049	Enhanced High-Rate Clarification Facility at Cazenovia Park Enhanced High-Rate Clarification Facility at South Side Catholic Club, Inc.	\$	13,585,934	\$			
Black Rock Canal CSO Black Rock Canal CSO Cazenovia Creek - B CSO Cazenovia Creek - C CSO	Os 062, 063 Os 008, 061 O 035 Os 037, 039 O 044 Os 046, 049	Enhanced High-Rate Clarification Facility at Cazenovia Park Enhanced High-Rate Clarification Facility at South Side Catholic Club, Inc.	\$	13,585,934	\$			
Black Rock Canal CSO Cazenovia Creek - B CSO Cazenovia Creek - C CSO	Os 008, 061 O 035 Os 037, 039 O 044 Os 046, 049	Enhanced High-Rate Clarification Facility at Cazenovia Park Enhanced High-Rate Clarification Facility at South Side Catholic Club, Inc.	\$	13,585,934	\$			
Cazenovia Creek - B CSO Cazenovia Creek - C CSO	O 035 Os 037, 039 O 044 Os 046, 049	Enhanced High-Rate Clarification Facility at Cazenovia Park Enhanced High-Rate Clarification Facility at South Side Catholic Club, Inc.	\$	13,585,934	\$			
Cazenovia Creek - C CSO	Os 037, 039 O 044 Os 046, 049	Enhanced High-Rate Clarification Facility at Cazenovia Park Enhanced High-Rate Clarification Facility at South Side Catholic Club, Inc.	\$	13,585,934	\$			
Cazenovia Creek - C CSO	O 044 Os 046, 049	Enhanced High-Flate Clarification Facility at South Side Catholic Club, Inc.	S		1	1,984,805	\$	45 546 70
Cazenovia Creek - C CSO	Os 046, 049	South Side Catholic Club, Inc.		930,950				15,570,738
Cazenovia Creek - C CSO: Cazenovia Creek - C CSO:					S	647,749	5	1,578,699
Cazenovia Creek - C CSO	Os 047, 048		15	1,090,178	5	647,749	s	1,737,927
Cazenovia Creek - C CSO	Os 047, 048							
		Enhanced High-Rate Clarification Facility at City of Buffalo Lot	\$	6,433,951	S	1,139,292	\$	7,573,243
Cornelius Creek CSO	Os 047, 048	Partial Separation	\$	1,835,938		NA	\$	1,835,938
	O 055	Enhanced High-Rate Clarification Facility at City of Buffalo Lot	\$	127,176,186	\$	31,470,266	\$	158,646,452
Cornelius Creek CSO	O 055	Partial Separation	\$	5,000,000		NA	5	5,000,000
Niagara River CSO	0 011	Enhanced High-Rate Clarification Facility at Broderick Park	\$	29,440,495	s	5,900,675	S	35,341,170
Niagara River CSO	O 054	Enhanced High-Rate Clarification Facility at Riverside Park	s	5,271,807	s	863,426	\$	6,135,230
Niagara River CSO	O 054	Partial Separation	s	2,304,688		NA	\$	2,304,688
Scajaquada Creek CSO	O 053 controlled	Enhanced High-Rate Clarification Facilities at	-		-		-	
	ributary SPPs	Canisius College	\$	43,123,278	2	5,900,675	9	49,023,953
10.00	nounce y or to	City of Butfalo Lot	5	1,265,625	\$	703,638		1,969,263
		City of Buffalo Lot / Boys Club of Buffalo	\$	39,125,000	\$	7,887,566		46,992,566
		/Tabernacie Baptist Church	-		_		_	
		B T Realty Corporation Nevirs Thomas / Vacant Lot	S	11,734,375		1,984,805		13,719,180
	-	American Axle and Manufacturing Corporation	5	7,046,875	S	1,425,907 5,900,675		8,472,782 35,260,050
		Niagara Mohawk Power Corporation	\$	29,359,375 39,125,000		7,867,566		46,992,566
		Schiller Park	3	29,359,375		5,900,675		35,260,050
		Schiller Park	\$	1,265,625		703,638		1,969,263
Scajaquada Creek CSO	0 056	Enhanced High-Rate Clarification Facility at Delaware Park	s	789,005	s	647,749	\$	1,436,754
	Os 057, 058	Enhanced High-Rate Clarification Facility at	\$	756,774		647,749		1,404,523
		Fedco Automotive						
Scajaquada Creek CSO	O 059	Enhanced High-Rate Clarification Facility at Erie County Industrial Development Agency	\$	675,954	\$	647,749	S	1,323,703
Scajaquada Creek CSO	O 060	Enhanced High-Rate Clarification Facility at	\$	2,106,808	\$	753,079	\$	2,859,887
	7	City of Buffalo Lot					7	
Scajaquada Creek CSOs	D. 050 0	Partial Separation	\$	585,938		NA	\$	585,938

Atemative 4B includes all modifications fersed for Alternative 1, Table 9-13 lists only additional modification and the state of the st

Alternative 4B 6-Month Sub-Total \$
Alternative 1 Total Cost \$ 710,392,596 164,583,400

Alternative 48 6-Month Total Cost \$ 874,975,996

Alternative 4B Cost by Receiving Water Body:
Black Rock Canel
Buffalo River
Cazenovia Creak - B
Cazenovia Creak - C
Cornellus Creek
Erle Basin
Niangar River Capital 332,200,151 \$ 87,237,792 \$ 6,184,859 \$ 55,881,834 \$ 140,976,186 \$ 2,751,200 \$ 38,203,989 \$ \$ 40,000,000 \$ 200,000 \$ \$ 40,000,000 \$ 200,000 \$ \$ 40,000,000 \$ 200,000 \$ \$ 40,000,000 \$ 200,000 Total 388,957,105 87,237,792 6,990,245 60,301,429 172,446,451 2,751,200 44,968,090 O8M 56,756,954 \$ 805,387 4,419,595 31,470,266 6,764,101 \$ 17,233,281 \$ Niagara River Scajaquada Creek 111,323,680



Table 9-13 Alternative 48 Cost Estimate Summary

Receiving Water Body	CSOs Controlled	Description	_		12-MO	nth Cost Estima	te	
	The second second	Control of the Contro	-	Capital	-	MãO		Total
Black Rock Canal	CSO 003	Enhanced High-Rate Clarification Facility at Rich Marina	S	950,752	2	647,749	3	1,598,50
Black Rock Canal	CSO 004	Enhanced High-Rate Clarification Facility at Erie County Industrial Development Agency	S	65,034,141	s	15,735,133	\$	80,769,27
Black Rock Canal	CSO 006	Enhanced High-Rate Clarification Facility at	-					
DIACK FILCK CAME	030 000	City of Buffalo Lot	\$	14,941,042	5	1,984,805	\$	16,925,84
		City of Buffalo Lot	\$	19,562,500		3,933,783		23,496,28
		Knight, Anthony / City of Buffalo	\$	39,125,000	\$	7,867,566	S	46,992,566
Biack Rock Canal	CSO 010	Enhanced High-Rate Clarification Facility at	\$	7,165,963	5	1,425,907	\$	8,591,870
		Erie County Industrial Development Agency		Distiller		3,-4,5		
Black Rock Canal	CSO 012	Enhanced High-Rate Clarification Facility at	\$	63,085,088	5	15,735,133	\$	78,820,22
		Ciminelli International Services LLC			-			-
Black Rock Canal	CSOs 008, 061	Enhanced High-Rate Clarification Facilities Brown Cameron / Erie Niegara Public Benefit Funding Corporation	\$	29,568,066	S	5,900,675	\$	35,468,741
Black Rock Canal	CSOs 013, 063	Enhanced High-Rate Clarification Facility at	5	7,326,294	\$	703,638	\$	8,029,932
		City of Buffalo Water Department	Ť	.,,,,		- 03		
Black Rock Canal	CSOs 003, 004	Partial Separation	5	13,125,000		NA.	\$	13,125,000
Black Rock Canal	CSOs 005, 006	TO TO MICHAEL TO THE TOTAL TO T		E F S F W Y		8.7		E / 1
Black Rock Canal	CSOs 007, 009							
Black Rock Canal	CSOs 010, 012							
Black Rock Canal	CSOs 062, 063							
Black Rock Canal	CSOs 008, 061				_			
Cazenovia Creek - B	CSO 035	Enhanced High-Rate Clarification Facility at Cazenovia Park	\$	4,777,035	S	1,006,733	\$	5,783,768
Cazenovia Creek - C	CSOs 037, 039	Enhanced High-Rate Clarification Facility at Cazenovia Park	\$	21,414,059	5	3,933,783	\$	25,347,842
Cazenovia Creek - C	CSO 044		5	4,993,450		1,006,733		6,000,183
Cazenovia Creek - C	C30 044	Enhanced High-Rate Clarification Facility at South Side Catholic Club, Inc.	3	4,333,430	9	1,000,733	3	6,000,163
Cazenovia Creek - C	CSOs 046, 049	Enhanced High-Rate Clarification Facility at Vacant Lot	\$	1,090,178	S	647,749	\$	1,737,927
Cazenovia Creek - C	CSOs 047, 048	Enhanced High-Rate Clarification Facility at City of Buffalo Lot	5	7,215,201	5	1,425,907	\$	8,641,108
Cazenovia Creek - C	CSOs 047, 048	Partial Separation	5	1,835,938		NA	5	1,835,938
Cornelius Creek	CSO 055	Enhanced High-Rate Clerification Facility at	5	174,113,686	s	43,271,615	5	217,385,301
		City of Buffalo Lat						
Cornelius Craek	CSO 055	Partial Separation	\$	5,000,000		NA	\$	5,000,000
Niagara River	CSO 011	Enhanced High-Rate Clarification Facility at Broderick Park	\$	29,440,495	\$	5,900,675	S	35,341,170
Nisgara River	CSO 054	Enhanced High-Rate Clarification Facility at Riverside Park	\$	6,834,307	5	1,006,733	5	7,841,040
Nlagara River	CSO 054	Partial Separation	5	2,304,688		NA	S	2,304,688
				5,000,000		177		mp-c-tjes-
Scajaquada Creek	CSO 053 controlled at tributary SPPs	Enhanced High-Rate Clarification Facilities at Canisius College	s	72,451,403		11,801,350		84,252,753
	an amounty arra	City of Buffalo Lot	\$	6,265,625		2,061,021		8,326,646
		City of Buffalo Lot / Boys Club of Buffalo	\$	58,687,500		11,801,350		70,488,850
		/Tabernacle Baptist Church		cejes, jese	-	1,120,1000	-	191100104
		B T Realty Corporation	S	19,562,500	\$	3,933,783	S	23,496,283
		Nevins Thomas / Vacant Lot	\$	11,734,375		1,984,805		t3,719,180
		American Axis and Manufacturing Corporation	5	39,125,000		7,867,566		46,992,568
		Niagara Mohawk Power Corporation	\$	58,687,500	\$	11,801,350	5	70,488,850
		Schlier Park	5	39,125,000	\$	7,867,566	\$	46,992,566
		Schiller Park	5	1,890,625	5	753,079	\$	2,643,704
Scajaquada Creek	CSO 056	Enhanced High-Rate Clarification Facility at Dalaware Park	\$	789,005	\$	647,749	s	1,436,754
Scajaquada Creek	CSOs 057, 058	Enhanced High-Rate Clarification Facility at	5	1,381,774	5	703,638	\$	2,085,412
1 2 2 2 2		Fedoo Automotive						
Scajaquada Creek	CSO 059	Enhanced High-Rate Clarification Facility at Erie County Industrial Development Agency	\$	3,175,954	\$	863,426	\$	4,039,380
	1	manage and problems of the management						
Scajaquada Creek	CSO 060	Enhanced High-Rate Clarification Facility at City of Buffalo Lot	\$	4,919,308	\$	1,006,733	\$	5,926,041
Scajaquada Creek	CSOs 053, 056	Partial Separation	\$	585,938		NA	5	585,938

Note

Attametive 48 includes all modifications listed for Attametive 1. Table 9-13 lists only additional modifications in Attametive 48 trus are not included in Attametive 1. Alternative 48 12-Month Sub-Total \$ 1,012,512,122
Alternative 1 Total Cost \$ 164,583,400

Alternative 48 12-Month Total Cost \$ 1,177,095,522

Alternative 4B Cost by Receiving Water Body:		Capital		M&O		Total
Black Rock Canal	5	466,917,153	5	91,054,948	5	557,972,101
Buffalo River	5	87,237,792	5	- 6.1	\$	87,237,792
Cazenovia Creek - B	\$	8,372,359	5	1,006,733	5	9,379,092
Cazanovia Creek - C	5	68,553,709	5	7,014,172	\$	75,567,881
Cornelius Creek	5	187,913,686	.5	43,271,615	5	231,185,301
Erie Basin I	5	2,751,200	\$		S	2,751,200
Nagara River	5	39,766,489	\$	6,907,408	\$	46,673,897
Scalaquada Creek	\$	140,355,399	S	25,972,857	5	166,328,256

Table 9-14 Alternative 5 Cost Estimate Summary

Receiving Water Body	Watershed Acreage to be Separated	Cost	
Black Rock Canal	5,354	\$267,692,734	
Buffalo River	6,443	\$322,134,902	
Cazenovia Creek - B	81	\$4,057,450	
Cazenovia Creek - C	945	\$47,264,200	
Cornelius Creek	4,121	\$206,044,550	
Erie Basin Marina	524	\$26,212,400	
Niagara River	624	\$31,223,950	
Scajaquada Creek	2,127	\$106,358,016	
Total	20,220	\$1,010,988,202	

