

**CSO Long Term Control Plan Recommended Projects - DRAFT 9/19/08**

Project Name	Project ID	Technology	Project Description
I-64 and Grinstead Drive Storage Basin	L_MI_MF_127_M_09B_B_A	Off-line Storage	This project is to provide a 2.74 off-line storage facility consisting of a covered concrete basin for CSOs 125, 126, 127 & 166 to reduce overflows to no more than 8 OF/YR. The proposed site is south of I-64 near CSO 127. Annual volume stored is approximately 50.05 MG, operated 52 times per year.
CSO 140 Sewer Separation	L_MI_MF_140_S_08_A_A	Sewer Separation	This project includes the construction of a new storm water system consisting of 1,665 LF of 15" pipe in street, 4,185 LF of 15" pipe out of street, 145 LF of 21" pipe in street, 1,140 LF of 21" pipe out of street, 815 LF of 24" pipe in street, 805 LF of 24" pipe out of street, 530 LF of 36" pipe in street and 480 LF of 42" pipe in street.
Clifton Heights Storage Basin	L_MU_MF_154_M_09B_B_A	Off-line Storage	This project includes a 6.55 MG underground covered storage basin for CSOs 132, 154 and 167 (8 OF/YR). The proposed site is north of Drescher Bridge Avenue near the old Fischers Packing Plant. The facility will require a 6.55 MGD PS to return the stored flow back to the interceptor.
Paddy's Run Wet Weather Treatment Facility	L_OR_MF_015_M_13_B_B	High-Rate Treatment	This project is to provide a 50 MGD RTB High Rate Treatment Facility for CSOs 015 and 191. The HRT is started at the beginning of the event and RTC is used to store 9.6 MG in the outfall during the peak of the event. The basin is located in the vicinity of the Paddy's Run FPS adjacent to the outfall. Annual volume treated is approximately 17 MG, operated 11 times per year.
Portland Wharf Storage Basin	L_OR_MF_019_S_13_B_A	In-line and Off-line Storage	This project includes an 6.37 MG underground covered concrete basin for CSO 019. The basin is located in the vicinity of Portland Wharf Park. The facility will require a 6.37 MGD PS to return the stored flow back to the interceptor via a FM under the floodwall and I-64. Project also includes 1.8 MG of ILS using an adjustable gate. Project includes an allowance for park improvements (floodwall cut/gate structure).
Story Avenue and Main Street Storage Basin	L_OR_MF_020_S_09B_B_A	Off-line Storage	This project includes the construction of a 0.13 MG off-line underground covered storage basin for CSO 20. The proposed site is northwest of the Franklin Street / Buchanan Street intersection. The facility will require a small pump station to pump the stored flow to the Buchanan Street pump station following the wet weather event.
CSO 58 Sewer Separation	L_OR_MF_058_S_08_A_A	Sewer Separation	This project includes the construction of a new storm system consisting of 785 LF of 15" pipe in street and 1010 LF of 15" pipe out of street. It also includes 220 LF of 18" pipe in street.
Southwestern Parkway Storage Basin	L_OR_MF_105_M_13_B_A	In-line and Off-line Storage	This project includes a 5.08 MG underground covered concrete basin for CSOs 104, 105, and 189 and ILS in the WO and the NWI for a total of 8.8 MG using adjustable gates. The basin is located in the vicinity of Shawnee Park. The facility will be filled and emptied by gravity. Project includes allowance for park improvements. Project design base upon 0 overflows per year.
13th Street and Rowan Street Storage Basin	L_OR_MF_155_M_09B_B_B	Off-line Storage	This project includes a 66" collector and 14.44 MG underground covered concrete basin for CSOs 022, 023, 050, 051, 052, 053, 054, 055, 056, 150, 155, 156, 208, and CRD. The proposed site is south of I-64, north of Rowan Street. The facility requires a 14.44 MGD PS. Project includes 6 diversion structures at \$100,000 each, plus \$2.3M for extra excavation.
CSO 160 Sewer Separation	L_OR_MF_160_S_08_A_A	Sewer Separation	This project includes the construction of a new storm water system consisting of 425 LF of 15" pipe in street.

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Towhead Island Storage Basin	L_OR_MF_172_S_09B_B_A	Off-line Storage	This project includes a 0.12 MG underground covered concrete basin for CSO 172 (zero OF/YR). The proposed site is near River Road/CSX RR. The facility will be a pump out operation.
18th and Northwestern Pky Storage Basin	L_OR_MF_190_S_09B_B_A	Off-line Storage	This project includes a 1.31 MG underground covered concrete basin for CSO 190 (8 OF/YR). The proposed site is near I-64 in the vicinity of CSO 190. The project includes a 1.31 MGD pump out facility.
Algonquin Parkway Storage Basin	L_OR_MF_211_M_13_B_A	In-line and Off-line Storage	This project includes a 4.84 MG underground open concrete basin for CSOs 016, 210, and 211. The basin is located on MSD property near MFWTP. The facility will be a gravity in-gravity out operation. Project also includes ILS at two locations within the SO for a total of 16.1 MG of storage.
Nightingale PS Replacement	L_SO_MF_018_S_03_A_A	New Pump Station	The project involves replacement of the existing Nightingale Pump Station with a new 60 MGD pump station, and providing a parallel force main to the point of discharge to the downstream gravity interceptor
Lexington Road and Payne Street Storage Basin	L_SO_MF_083_M_09B_B_A	Off-line Storage	This project includes an 7.31 MG off-line covered storage basin for CSOs 83, 84, 118, 119, 120, 121, 141, 153 & 082 to reduce overflows to no more than 8 per year. The proposed site is near the SFBGC off Lexington Road. The basin will require an 7.31 MGD PS to return the stored flow to the interceptor after the event.
Logan Street and Breckinridge Street Storage Basin	L_SO_MF_092_M_09B_B_D	Off-line Storage	This project includes a 11.83 MG underground covered storage basin for CSOs 113, 152, 91, 92, 146, 179, 149, 117 & the 11 SBR CSOs. The basin is located on Louisville Metro property. The facility will require a 11.83 MGD PS to return stored flow to the BGI over a 24 hour period. (CSOs 92 & 179 have 0 AAOV and the SBR CSOs assume continued use of the SBR-ILS Facility).
CSO 93 Sewer Separation	L_SO_MF_093_S_08_A_A	Sewer Separation	This project includes the construction of a new storm water system consisting of 2,975 LF of 12" pipe in street plus 350 LF of 12" out of street.
Calvary / Creekside Storage Basin	L_SO_MF_097_M_09B_B_D	Off-line Storage	This project includes a 3.46 MG underground covered storage basin for CSOs 97, 106, 110, 111, 137, 148, and 151. The basin is located adjacent to undeveloped property between SFBGC and a cemetery. The facility will require a 3.46 MGD PS to return stored flow to the interceptor over a 24 hour period.
Story Avenue and Spring Street Storage Basin	L_SO_MF_130_S_09B_B_A	Off-line Storage	This project includes the construction of a 0.01 MG off-line underground covered storage basin for CSO 130 (8 OF/YR). The proposed site is near the Webster Street sewer south of Story Avenue. The facility will operate gravity in-pump out.

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<b>Green Infrastructure Program and Initial Projects</b>			
Green Infrastructure Annual Program	Annual Budget	Varies	The green infrastructure program budget is an annual investment level established to achieve the level of storm water runoff reduction assumed in sizing the gray infrastructure solutions
Parking Lot Bioswale MSD Main Office	L_OR_MF_053_S_12_A_A	Biofiltration	Green parking lot in MSD's Main Office Building parking lot.
Green Parking Lot 7th and Cedar	L_OR_MF_053_S_12_A_B	Biofiltration	Green parking lot in Louisville Metro parking lot
Green Parking Lot 2nd and Broadway	L_OR_MF_181_S_12_A	Biofiltration	Green parking lot at JCC
Biofiltration Swales 3rd and Ormsby	L_OR_MF_198_S_12_A	Biofiltration	Biofiltration swales along 3rd Street north of Ormsby
Green Parking Lot 6th and Muhammad Ali	L_OR_MF_022_S_12_A	Biofiltration	Green parking lot in SE corner of Louisville Metro parking lot
Rain Garden 6th and Broadway	L_OR_MF_028_S_12_A	Rain Garden	Perimeter rain garden in parking lot across from C-J
Permeable Alley 17th and W Hill St	L_MC_MF_015_S_12_A	Permeable Concrete	Permeable alley bounded by S 17th St, Dixie Highway, W Hill Street and Gaulbert
Permeable Alley 7th and Market	L_OR_MF_053_S_12_A_C	Permeable Concrete	Retrofit Congress Alley to permeable concrete
Permeable Alley Campbell St and Main	L_SF_MF_121_S_12_A	Permeable Concrete	Retrofit Billy Goat Strut Alley to permeable concrete
Green Street 12th and Jefferson	L_OR_MF_208_S_12_A	Biofiltration	Green Street along Baxter Park and 12th St at Baxter
Dry Well I-264 off-ramp at Bank	L_OR_MF_189_S_12_A	Dry Well	Dry well in interchange of I-264
Dry Well I-264 on-ramp at Bank	L_OR_MF_019_S_12_A	Dry Well	Dry well in interchange of I-264
Dry Well I-264 and Gibson Ln	L_OR_MF_191_S_12_A_A	Dry Well	Dry well in interchange of I-264
Dry Well Russell Lee Drive	L_OR_MF_191_S_12_A_C	Dry Well	Dry well in median along Russell Lee Drive
Dry Well near JFK Montessori School	L_OR_MF_191_S_12_A_B	Dry Well	2 dry wells near the JFK Montessori Elementary School.