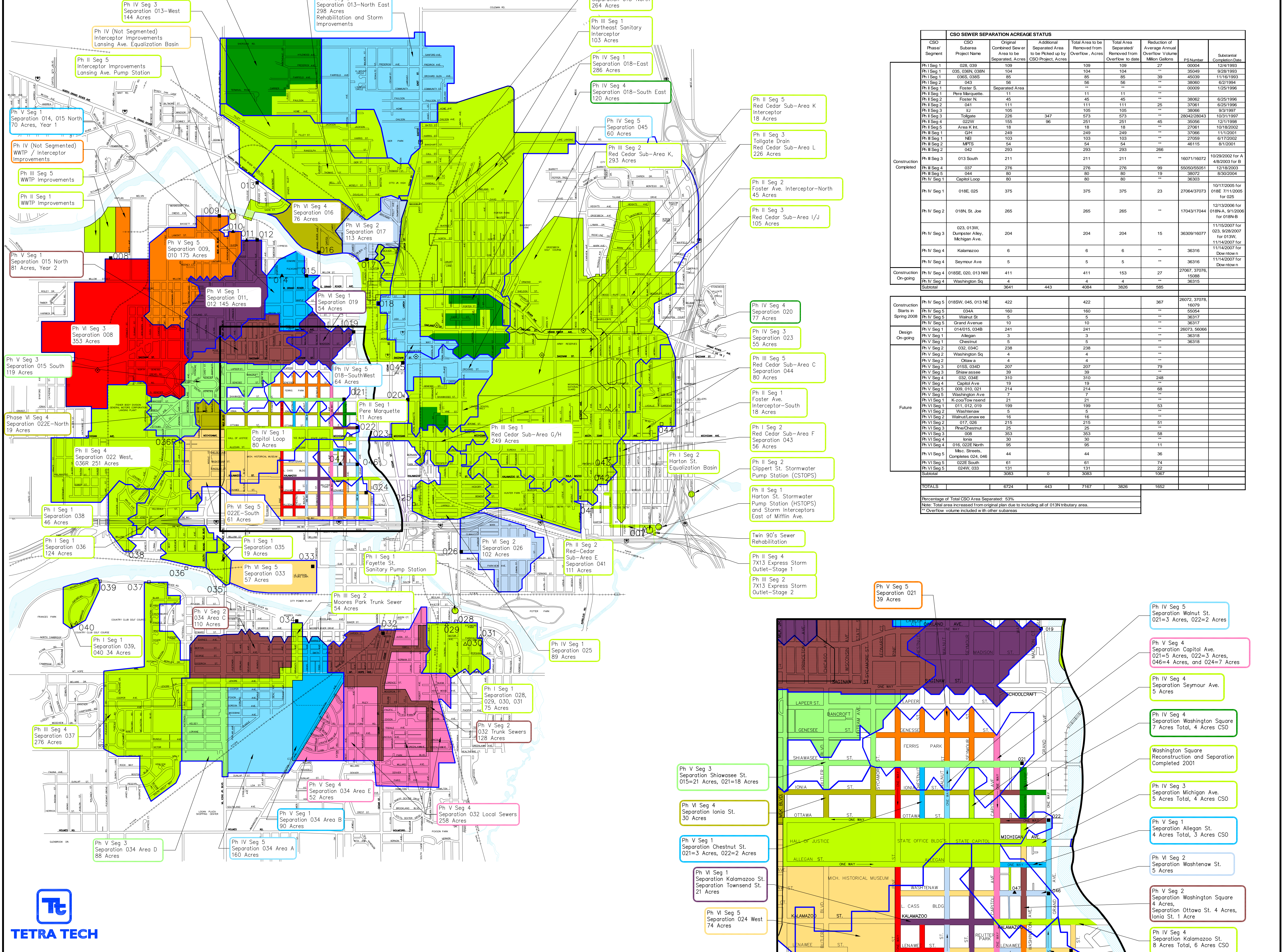




Virg Bernero, Mayor

City of Lansing CSO Control Phasing Map as of February 2008



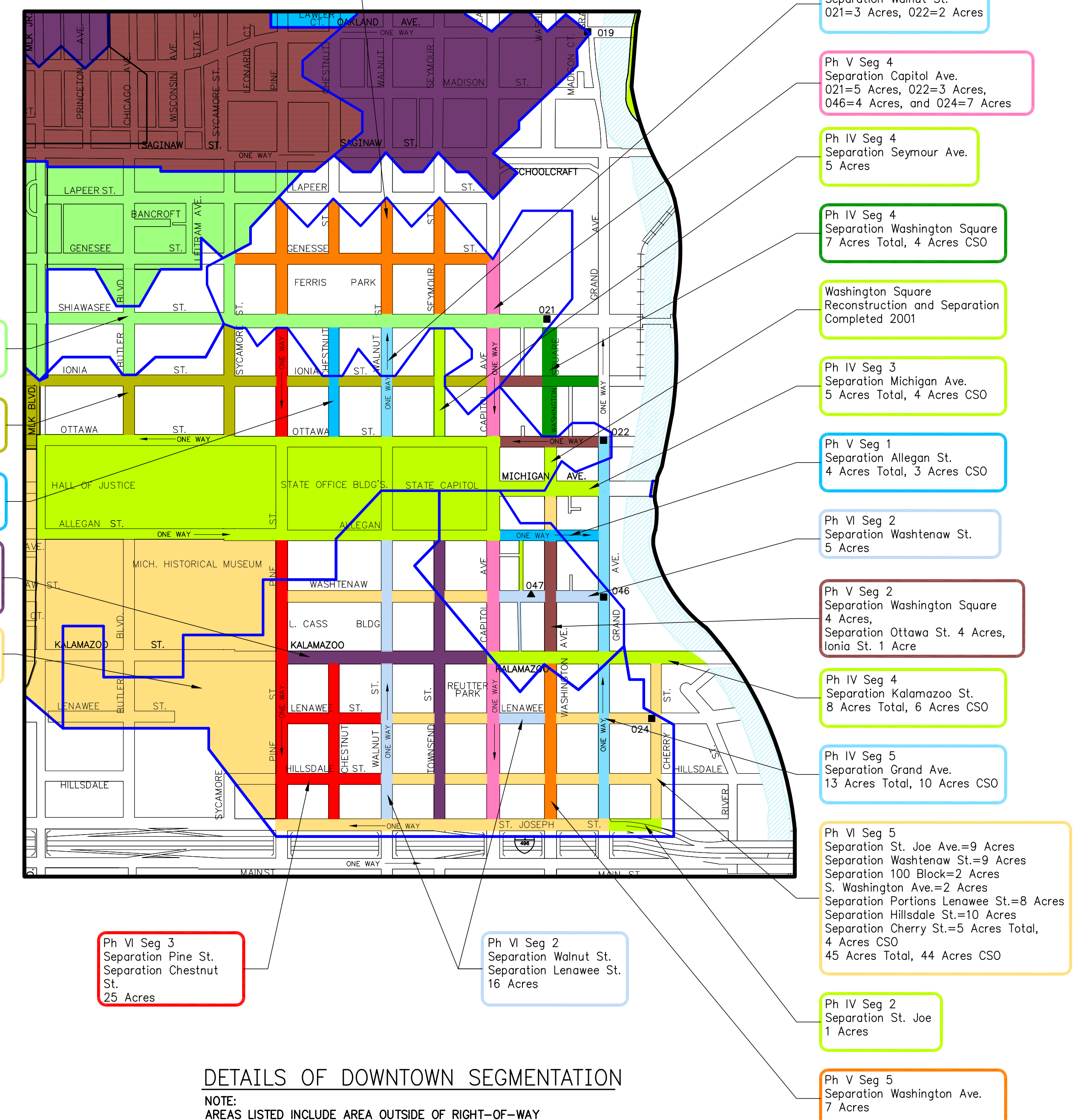
CSO SEWER SEPARATION ACREAGE STATUS											
CSO Phase/Segment	CSO Subarea Project Name	Original Combined Sewer Area to be Separated, Acres	Additional Separated Area to be Picked up by CSO Project, Acres	Total Area to be Separated, Acres	Total Area Separated/Removed from Overflow to date	Reduction of Average Annual Overflow Volume	PER Number	Substantial Completion Date			
Ph I Seg 1	028, 039	109	109	109	109	27	00004	1/24/1993			
Ph I Seg 1	035, 036, 038N	104	104	104	104	35	35043	8/28/1993			
Ph I Seg 2	043	56	56	56	56	39	45039	11/16/1993			
Ph I Seg 3	Foster S.	56	56	56	56	30,000	62/1994	6/2/1994			
Ph I Seg 1	Pere Marquette	11	11	11	11	38,000	37/061	6/25/1996			
Ph I Seg 2	Foster N.	45	45	45	45	37,000	37/061	6/25/1996			
Ph I Seg 3	041	111	111	111	111	25	36006	9/3/1997			
Ph I Seg 4	022W	155	347	502	502	28,042/28,043	10/31/1997	11/12/2001			
Ph I Seg 5	Area K Int.	18	18	18	18	27,000	27/059	6/17/2002			
Ph I Seg 3	Talgate	226	226	226	226	46,115	46/115	8/12/2001			
Ph I Seg 1	042	293	293	293	293	256	16071/16072	10/29/2002 for A 4/9/2003 for B			
Ph I Seg 2	013 South	211	211	211	211	99	35050/55051	12/18/2003 for B 11/12/2001 for A			
Ph I Seg 4	037	276	276	276	276	80	38072	6/30/2004			
Ph I Seg 5	044	80	80	80	80	36,303	36/303	10/17/2005 for A 1/18/2005 for B			
Ph IV Seg 1	018E, 025	375	375	375	375	23	27064/37073	10/17/2005 for A 1/18/2005 for B			
Ph IV Seg 2	018N, St. Joe	265	265	265	265	15	36309/16077	11/15/2007 for A 9/28/2007 for B			
Ph IV Seg 3	023, 019W, Dumpster Alley, Michigan Ave.	204	204	204	204	15	36309/16077	11/14/2007 for A 11/14/2007 for B			
Ph IV Seg 4	Kalamazoo	6	6	6	6	36,316	36/316	11/14/2007 for A 11/14/2007 for B			
Ph IV Seg 4	Seymour Ave	5	5	5	5	36,316	36/316	11/14/2007 for A 11/14/2007 for B			
Construction On-going	Ph IV Seg 4	018SE, 030, 013 NW	411	411	153	27	27067, 37076, 15088	12/18/2003			
Subtotal	Ph IV Seg 4	Washington Sq	4	4	4	36,315	36/315	10/17/2005			
Subtotal			3641	443	4084	3626	585	1652			
Construction Starts in Spring 2008	Ph IV Seg 5	018SW, 045, 013 NE	422	422	422	367	28072, 37078, 16078	16078			
Design On-going	Ph IV Seg 5	034A	160	160	160	36,317	36/317	10/17/2005			
Future	Ph IV Seg 5	Grand Avenue	10	10	10	36,317	36/317	10/17/2005			
	Ph IV Seg 1	014/015, 034B	241	241	241	36,318	36/318	10/17/2005			
	Ph IV Seg 1	Allagan	3	3	3	36,318	36/318	10/17/2005			
	Ph IV Seg 1	Chestnut	5	5	5	36,318	36/318	10/17/2005			
	Ph V Seg 2	032, 034C	238	238	238	68	36,318	10/17/2005			
	Ph V Seg 2	Washington Sq	4	4	4	36,318	36/318	10/17/2005			
	Ph V Seg 2	015S, 034D	207	207	207	79	36,318	10/17/2005			
	Ph V Seg 3	Showassee	39	39	39	36,318	36/318	10/17/2005			
	Ph V Seg 3	032, 034E	310	310	310	248	36,318	10/17/2005			
	Ph V Seg 4	Capitol Ave	19	19	19	36,318	36/318	10/17/2005			
	Ph V Seg 5	009, 010, 021	214	214	214	68	36,318	10/17/2005			
	Ph VI Seg 1	011, 012, 019	199	199	199	53	36,318	10/17/2005			
	Ph VI Seg 1	Washington Ave	2	2	2	36,318	36/318	10/17/2005			
	Ph VI Seg 2	Walnut/Lenawee	16	16	16	36,318	36/318	10/17/2005			
	Ph VI Seg 2	017, 026	215	215	215	51	36,318	10/17/2005			
	Ph VI Seg 3	Pine/Chestnut	25	25	25	36,318	36/318	10/17/2005			
	Ph VI Seg 3	008	353	353	353	58	36,318	10/17/2005			
	Ph VI Seg 4	006	39	39	39	36,318	36/318	10/17/2005			
	Ph VI Seg 4	016, 022E, North	95	95	95	36,318	36/318	10/17/2005			
	Ph VI Seg 5	Mic. Streets, Complexes 024, 046	44	44	44	11	36,318	10/17/2005			
	Ph VI Seg 5	022E South	61	61	61	74	36,318	10/17/2005			
	Ph VI Seg 5	024W, 033	131	131	131	22	36,318	10/17/2005			
	Subtotal		3583	3583	3583	1667	36,318	10/17/2005			

TOTALS 6724 443 7167 3626 1652

Percentage of Total CSO Area Separated: 53%

Note: Total area increased from original plan due to including all of 013N tributary area.

* Overflow volume included w/in other subareas



Legend

- REGULATOR (ACTIVE)
- OVERFLOW (ACTIVE)
- ABANDONED REGULATOR
- ABANDONED OVERFLOW
- PUMPING STATION
- EQUALIZATION BASIN
- CSO TRIBUTARY AREA
- PROJECT BOUNDARY

CONSTRUCTION COMPLETED

- 2007 PH IV SEG 4 (BEGIN CONSTRUCTION SPRING 2007)
- 2008 PH IV SEG 5 (BEGIN CONSTRUCTION SPRING 2008)
- 2009 PH V SEG 1 (UNDER DESIGN)
- 2010 PH V SEG 2
- 2011 PH V SEG 3
- 2012 PH V SEG 4
- 2013 PH V SEG 5
- 2014 PH VI SEG 1
- 2015 PH VI SEG 2
- 2016 PH VI SEG 3
- 2017 PH VI SEG 4
- 2018 PH VI SEG 5

DOES NOT DENOTE SEQUENCING AS DETAILED IN 2020 SEGMENTATION PLAN. THIS MAP REPRESENTS PHASE/SEGMENT TO BE AWARDED UNDER THE SRF LOAN PROGRAM. VARIOUS 2-YEAR CONTRACTS WILL BE CONSTRAINED TO FACILITATE THE 2020 SEGMENTATION.

Regulator	Overflow	Date Abandoned	Notes
023	007	6/30/2004	1
025		8/29/2007	
028		8/15/2005	
	029	11/9/1993	
	030	10/22/1993	
	031	10/4/1993	
035		11/3/1993	
036		9/22/1993	
037	036	9/22/1993	Relocated
037		12/25/2005	
038		11/3/1993	
039		11/3/1993	
040		11/3/1993	
041		6/4/1996	
042		7/25/2002	
043		7/6/1995	
044		6/30/2004	

Note 1: 007 is an emergency SSO overflow.

Total Number of permitted CSO regulators and overflows at start of CSO Control Program (1992): 40

Number of CSO Regulators/Overflows Abandoned: 17

Percentage of CSO Regulators/Overflows Abandoned: 42.5%

DETAILS OF DOWNTOWN SEGMENTATION

NOTE: AREAS LISTED INCLUDE AREA OUTSIDE OF RIGHT-OF-WAY ONLY RIGHT-OF-WAY IS SHADED FOR CLARITY.

