

Massachusetts Water Pollution Abatement Trust
 Water Pollution Abatement Revenue Bonds
 (Pool Loan Program Bonds)
 Series 5
 North Andover
 95-22
 Final Loan Structuring Analysis

AMENDED SCHEDULE C

G.E. 50.00%

Schedule of Loan Repayments

Initial Loan Obligation: 871,849.00

Date	Scheduled Loan Repayments			Loan Subsidy Amounts			Net Loan Repayment		
	Principal	Interest	Total	DSRF Earnings	Contract Assistance	Total	Principal	Interest	Total
01-Feb-05	0.00	20,619.10	20,619.10	11,609.11	0.00	11,609.11	0.00	9,009.99	9,009.99
01-Aug-05	47,862.00	21,479.57	69,341.57	11,609.11	20,885.24	32,494.35	36,847.22	0.00	36,847.22
01-Feb-06	0.00	22,638.05	22,638.05	10,971.80	992.91	11,964.71	0.00	10,673.34	10,673.34
01-Aug-06	49,008.00	19,445.49	68,453.49	10,971.80	20,765.65	31,737.45	36,716.04	0.00	36,716.04
01-Feb-07	0.00	22,069.59	22,069.59	10,319.23	992.91	11,312.14	0.00	10,757.45	10,757.45
01-Aug-07	50,368.00	18,684.58	69,052.58	10,319.23	21,396.23	31,715.46	37,337.12	0.00	37,337.12
01-Feb-08	0.00	21,483.04	21,483.04	9,648.56	992.91	10,641.47	0.00	10,841.57	10,841.57
01-Aug-08	51,648.00	15,352.17	67,000.17	9,648.56	20,769.33	30,417.89	36,582.28	0.00	36,582.28
01-Feb-09	0.00	20,999.94	20,999.94	8,960.84	992.91	9,953.75	0.00	11,046.19	11,046.19
01-Aug-09	52,963.00	14,615.27	67,578.27	8,960.84	21,446.58	30,407.42	37,170.86	0.00	37,170.86
01-Feb-10	0.00	20,461.50	20,461.50	8,255.61	992.91	9,248.52	0.00	11,212.98	11,212.98
01-Aug-10	55,000.00	9,006.69	64,006.69	8,255.61	19,240.64	27,496.25	36,510.45	0.00	36,510.45
01-Feb-11	0.00	18,892.92	18,892.92	7,523.26	992.91	8,516.17	0.00	10,376.75	10,376.75
01-Aug-11	55,000.00	8,994.94	63,994.94	7,523.26	20,284.29	27,807.55	36,187.39	0.00	36,187.39
01-Feb-12	0.00	18,138.85	18,138.85	6,790.91	992.91	7,783.82	0.00	10,355.04	10,355.04
01-Aug-12	55,000.00	10,110.93	65,110.93	6,790.91	20,884.31	27,675.22	37,435.71	0.00	37,435.71
01-Feb-13	0.00	15,232.28	15,232.28	6,058.55	992.91	7,051.46	0.00	8,180.82	8,180.82
01-Aug-13	60,000.00	9,034.46	69,034.46	6,058.55	21,359.08	27,417.63	41,616.83	0.00	41,616.83
01-Feb-14	0.00	14,095.78	14,095.78	5,259.62	992.91	6,252.53	0.00	7,843.25	7,843.25
01-Aug-14	60,000.00	8,093.96	68,093.96	5,259.62	20,873.97	26,133.59	41,960.36	0.00	41,960.36
01-Feb-15	0.00	10,766.06	10,766.06	4,460.69	992.91	5,453.60	0.00	5,312.46	5,312.46
01-Aug-15	65,000.00	7,010.20	72,010.20	4,460.69	20,820.63	25,281.32	46,728.88	0.00	46,728.88
01-Feb-16	0.00	8,386.88	8,386.88	3,595.19	992.91	4,588.10	0.00	3,798.79	3,798.79
01-Aug-16	65,000.00	6,093.35	71,093.35	3,595.19	20,912.95	24,508.13	46,585.21	0.00	46,585.21
01-Feb-17	0.00	5,913.38	5,913.38	2,729.68	992.91	3,722.59	0.00	2,190.79	2,190.79
01-Aug-17	65,000.00	4,933.07	69,933.07	2,729.68	21,213.62	23,943.30	45,989.77	0.00	45,989.77
01-Feb-18	0.00	3,413.99	3,413.99	1,864.17	731.15	2,595.32	0.00	818.66	818.66
01-Aug-18	70,000.00	3,795.40	73,795.40	1,864.17	21,831.22	23,695.39	50,100.01	0.00	50,100.01
01-Feb-19	0.00	1,420.88	1,420.88	932.09	488.79	1,420.88	0.00	0.00	0.00
01-Aug-19	70,000.00	1,925.00	71,925.00	932.09	21,650.21	22,582.30	49,342.71	0.00	49,342.71
01-Feb-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	\$871,849.00	\$383,107.33	\$1,254,956.33	\$197,958.58	\$327,468.82	\$525,427.40	\$617,110.83	\$112,418.09	\$729,528.93

Massachusetts Water Pollution Abatement Trust
 Water Pollution Abatement Revenue Bonds
 (Pool Loan Program Bonds)
 Series 5
 North Andover
 95-22
 Final Loan Structuring Analysis

Administrative Fee Schedule

<u>Date</u>	<u>Principal Outstanding</u>	<u>Administrative Fee Payable @ 0.075000%</u>
06-Oct-1999		
01-Feb-2000	1,098,893.00	526.55
01-Aug-2000	1,098,893.00	824.17
01-Feb-2001	1,054,921.00	791.19
01-Aug-2001	1,054,921.00	791.19
01-Feb-2002	1,010,261.00	757.70
01-Aug-2002	1,010,261.00	757.70
01-Feb-2003	964,910.00	723.68
01-Aug-2003	964,910.00	723.68
01-Feb-2004	918,798.00	689.10
01-Aug-2004	918,798.00	689.10
01-Feb-2005	871,849.00	653.89
01-Aug-2005	871,849.00	653.89
01-Feb-2006	823,987.00	617.99
01-Aug-2006	823,987.00	617.99
01-Feb-2007	774,979.00	581.23
01-Aug-2007	774,979.00	581.23
01-Feb-2008	724,611.00	543.46
01-Aug-2008	724,611.00	543.46
01-Feb-2009	672,963.00	504.72
01-Aug-2009	672,963.00	504.72
01-Feb-2010	620,000.00	465.00
01-Aug-2010	620,000.00	465.00
01-Feb-2011	565,000.00	423.75
01-Aug-2011	565,000.00	423.75
01-Feb-2012	510,000.00	382.50
01-Aug-2012	510,000.00	382.50
01-Feb-2013	455,000.00	341.25
01-Aug-2013	455,000.00	341.25
01-Feb-2014	395,000.00	296.25
01-Aug-2014	395,000.00	296.25
01-Feb-2015	335,000.00	251.25
01-Aug-2015	335,000.00	251.25
01-Feb-2016	270,000.00	202.50
01-Aug-2016	270,000.00	202.50
01-Feb-2017	205,000.00	153.75
01-Aug-2017	205,000.00	153.75
01-Feb-2018	140,000.00	105.00
01-Aug-2018	140,000.00	105.00
01-Feb-2019	70,000.00	52.50
01-Aug-2019	70,000.00	52.50
01-Feb-2020	0.00	0.00
01-Aug-2020	0.00	0.00
01-Feb-2021	0.00	0.00
01-Aug-2021	0.00	0.00
01-Feb-2022	0.00	0.00
01-Aug-2022	0.00	0.00
01-Feb-2023	0.00	0.00
01-Aug-2023	0.00	0.00
01-Feb-2024	0.00	0.00
01-Aug-2024	0.00	0.00
01-Feb-2025	0.00	0.00
01-Aug-2025	0.00	0.00
01-Feb-2026	0.00	0.00
01-Aug-2026	0.00	0.00
01-Feb-2027	0.00	0.00
01-Aug-2027	0.00	0.00
01-Feb-2028	0.00	0.00
01-Aug-2028	0.00	0.00
01-Feb-2029	0.00	0.00
01-Aug-2029	0.00	0.00
01-Feb-2030	0.00	0.00
01-Aug-2030	0.00	0.00
		<u>\$18,424.14</u>

Massachusetts Water Pollution Abatement Trust
 Water Pollution Abatement Revenue Bonds
 (Pool Loan Program Bonds)
 Series 5
 North Andover
 96-43
 Final Loan Structuring Analysis

AMENDED SCHEDULE C

G.E.	50.00%
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Schedule of Loan Repayments

Initial Loan Obligation:	325,266.00
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Date	Scheduled Loan Repayments			Loan Subsidy Amounts			Net Loan Repayment		
	Principal	Interest	Total	DSRF Earnings	Contract Assistance	Total	Principal	Interest	Total
01-Feb-05	0.00	7,709.80	7,709.80	4,331.08	0.00	4,331.08	0.00	3,378.72	3,378.72
01-Aug-05	18,103.00	8,015.26	26,118.26	4,331.08	7,833.47	12,164.55	13,953.71	0.00	13,953.71
01-Feb-06	0.00	8,437.46	8,437.46	4,090.03	354.61	4,444.64	0.00	3,992.82	3,992.82
01-Aug-06	18,537.00	7,252.75	25,789.75	4,090.03	7,789.09	11,879.12	13,910.62	0.00	13,910.62
01-Feb-07	0.00	8,217.30	8,217.30	3,843.20	354.61	4,197.81	0.00	4,019.49	4,019.49
01-Aug-07	19,053.00	6,961.17	26,014.17	3,843.20	8,023.09	11,866.29	14,147.88	0.00	14,147.88
01-Feb-08	0.00	7,990.13	7,990.13	3,589.50	354.61	3,944.11	0.00	4,046.02	4,046.02
01-Aug-08	19,538.00	5,715.06	25,253.06	3,589.50	7,790.46	11,379.96	13,873.10	0.00	13,873.10
01-Feb-09	0.00	7,801.93	7,801.93	3,329.34	354.61	3,683.95	0.00	4,117.98	4,117.98
01-Aug-09	20,035.00	5,432.67	25,467.67	3,329.34	8,041.78	11,371.12	14,096.56	0.00	14,096.56
01-Feb-10	0.00	7,592.12	7,592.12	3,062.57	354.61	3,417.18	0.00	4,174.94	4,174.94
01-Aug-10	20,000.00	3,375.82	23,375.82	3,062.57	7,233.50	10,296.06	13,079.76	0.00	13,079.76
01-Feb-11	0.00	7,006.49	7,006.49	2,796.26	354.61	3,150.87	0.00	3,855.63	3,855.63
01-Aug-11	20,000.00	3,377.33	23,377.33	2,796.26	7,616.61	10,412.87	12,964.46	0.00	12,964.46
01-Feb-12	0.00	6,733.72	6,733.72	2,529.95	354.61	2,884.56	0.00	3,849.16	3,849.16
01-Aug-12	20,000.00	3,790.35	23,790.35	2,529.95	7,836.49	10,366.44	13,423.92	0.00	13,423.92
01-Feb-13	0.00	5,672.95	5,672.95	2,263.64	354.61	2,618.25	0.00	3,054.70	3,054.70
01-Aug-13	20,000.00	3,477.62	23,477.62	2,263.64	8,016.76	10,280.40	13,197.22	0.00	13,197.22
01-Feb-14	0.00	5,246.23	5,246.23	1,997.33	354.61	2,351.94	0.00	2,894.29	2,894.29
01-Aug-14	25,000.00	2,993.41	27,993.41	1,997.33	7,801.78	9,799.10	18,194.31	0.00	18,194.31
01-Feb-15	0.00	4,062.96	4,062.96	1,664.44	354.61	2,019.05	0.00	2,043.92	2,043.92
01-Aug-15	25,000.00	2,594.32	27,594.32	1,664.44	7,800.46	9,464.90	18,129.42	0.00	18,129.42
01-Feb-16	0.00	3,115.67	3,115.67	1,331.55	354.61	1,686.16	0.00	1,429.51	1,429.51
01-Aug-16	25,000.00	2,239.89	27,239.89	1,331.55	7,835.86	9,167.41	18,072.48	0.00	18,072.48
01-Feb-17	0.00	2,165.90	2,165.90	998.66	354.61	1,353.27	0.00	812.63	812.63
01-Aug-17	25,000.00	1,790.49	26,790.49	998.66	7,950.09	8,948.75	17,841.74	0.00	17,841.74
01-Feb-18	0.00	1,219.28	1,219.28	665.78	261.13	926.90	0.00	292.38	292.38
01-Aug-18	25,000.00	1,355.50	26,355.50	665.78	8,181.99	8,847.76	17,507.74	0.00	17,507.74
01-Feb-19	0.00	507.46	507.46	332.89	174.57	507.45	0.00	0.00	0.00
01-Aug-19	25,000.00	687.50	25,687.50	332.89	8,117.34	8,450.23	17,237.27	0.00	17,237.27
01-Feb-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	\$325,266.00	\$142,538.55	\$467,804.55	\$73,652.37	\$122,559.78	\$196,212.15	\$229,630.20	\$41,962.20	\$271,592.40

Massachusetts Water Pollution Abatement Trust
 Water Pollution Abatement Revenue Bonds
 (Pool Loan Program Bonds)
 Series 5

North Andover
96-43

Final Loan Structuring Analysis

Administrative Fee Schedule

Date	Principal Outstanding	Administrative Fee Payable @ 0.075000%
06-Oct-1999		
01-Feb-2000	411,130.00	197.00
01-Aug-2000	411,130.00	308.35
01-Feb-2001	394,502.00	295.88
01-Aug-2001	394,502.00	295.88
01-Feb-2002	377,613.00	283.21
01-Aug-2002	377,613.00	283.21
01-Feb-2003	360,462.00	270.35
01-Aug-2003	360,462.00	270.35
01-Feb-2004	343,023.00	257.27
01-Aug-2004	343,023.00	257.27
01-Feb-2005	325,266.00	243.95
01-Aug-2005	325,266.00	243.95
01-Feb-2006	307,163.00	230.37
01-Aug-2006	307,163.00	230.37
01-Feb-2007	288,626.00	216.47
01-Aug-2007	288,626.00	216.47
01-Feb-2008	269,573.00	202.18
01-Aug-2008	269,573.00	202.18
01-Feb-2009	250,035.00	187.53
01-Aug-2009	250,035.00	187.53
01-Feb-2010	230,000.00	172.50
01-Aug-2010	230,000.00	172.50
01-Feb-2011	210,000.00	157.50
01-Aug-2011	210,000.00	157.50
01-Feb-2012	190,000.00	142.50
01-Aug-2012	190,000.00	142.50
01-Feb-2013	170,000.00	127.50
01-Aug-2013	170,000.00	127.50
01-Feb-2014	150,000.00	112.50
01-Aug-2014	150,000.00	112.50
01-Feb-2015	125,000.00	93.75
01-Aug-2015	125,000.00	93.75
01-Feb-2016	100,000.00	75.00
01-Aug-2016	100,000.00	75.00
01-Feb-2017	75,000.00	56.25
01-Aug-2017	75,000.00	56.25
01-Feb-2018	50,000.00	37.50
01-Aug-2018	50,000.00	37.50
01-Feb-2019	25,000.00	18.75
01-Aug-2019	25,000.00	18.75
01-Feb-2020	0.00	0.00
01-Aug-2020	0.00	0.00
01-Feb-2021	0.00	0.00
01-Aug-2021	0.00	0.00
01-Feb-2022	0.00	0.00
01-Aug-2022	0.00	0.00
01-Feb-2023	0.00	0.00
01-Aug-2023	0.00	0.00
01-Feb-2024	0.00	0.00
01-Aug-2024	0.00	0.00
01-Feb-2025	0.00	0.00
01-Aug-2025	0.00	0.00
01-Feb-2026	0.00	0.00
01-Aug-2026	0.00	0.00
01-Feb-2027	0.00	0.00
01-Aug-2027	0.00	0.00
01-Feb-2028	0.00	0.00
01-Aug-2028	0.00	0.00
01-Feb-2029	0.00	0.00
01-Aug-2029	0.00	0.00
01-Feb-2030	0.00	0.00
01-Aug-2030	0.00	0.00
		<u>\$6,867.27</u>

Massachusetts Water Pollution Abatement Trust
 Water Pollution Abatement Revenue Bonds
 (Pool Loan Program Bonds)
 Series 5
 North Andover
 96-44
 Final Loan Structuring Analysis

AMENDED SCHEDULE C

G.E. 50.00%

Schedule of Loan Repayments

Initial Loan Obligation: 1,172,226.00

Date	Scheduled Loan Repayments			Loan Subsidy Amounts			Net Loan Repayment		
	Principal	Interest	Total	DSRF Earnings	Contract Assistance	Total	Principal	Interest	Total
01-Feb-05	0.00	27,711.02	27,711.02	15,608.78	0.00	15,608.78	0.00	12,102.25	12,102.25
01-Aug-05	64,083.00	28,880.18	92,963.18	15,608.78	28,039.43	43,648.20	49,314.98	0.00	49,314.98
01-Feb-06	0.00	30,448.81	30,448.81	14,755.48	1,347.53	16,103.01	0.00	14,345.80	14,345.80
01-Aug-06	65,619.00	26,149.21	91,768.21	14,755.48	27,878.37	42,633.85	49,134.37	0.00	49,134.37
01-Feb-07	0.00	29,693.28	29,693.28	13,881.73	1,347.53	15,229.26	0.00	14,464.02	14,464.02
01-Aug-07	67,443.00	25,134.51	92,577.51	13,881.73	28,727.60	42,609.33	49,968.18	0.00	49,968.18
01-Feb-08	0.00	28,913.57	28,913.57	12,983.69	1,347.53	14,331.22	0.00	14,582.35	14,582.35
01-Aug-08	69,159.00	20,656.82	89,815.82	12,983.69	27,883.33	40,867.02	48,948.80	0.00	48,948.80
01-Feb-09	0.00	28,272.51	28,272.51	12,062.80	1,347.53	13,410.33	0.00	14,862.18	14,862.18
01-Aug-09	70,922.00	19,673.95	90,595.95	12,062.80	28,795.41	40,858.21	49,737.73	0.00	49,737.73
01-Feb-10	0.00	27,558.03	27,558.03	11,118.44	1,347.53	12,465.97	0.00	15,092.06	15,092.06
01-Aug-10	75,000.00	12,053.23	87,053.23	11,118.44	25,801.17	36,919.61	50,133.61	0.00	50,133.61
01-Feb-11	0.00	25,453.57	25,453.57	10,119.78	1,347.53	11,467.31	0.00	13,986.26	13,986.26
01-Aug-11	75,000.00	12,024.10	87,024.10	10,119.78	27,216.17	37,335.95	49,688.16	0.00	49,688.16
01-Feb-12	0.00	24,422.06	24,422.06	9,121.12	1,347.53	10,468.65	0.00	13,953.41	13,953.41
01-Aug-12	75,000.00	13,529.56	88,529.56	9,121.12	28,030.55	37,151.67	51,377.88	0.00	51,377.88
01-Feb-13	0.00	20,467.25	20,467.25	8,122.46	1,347.53	9,469.99	0.00	10,997.27	10,997.27
01-Aug-13	80,000.00	12,135.20	92,135.20	8,122.46	28,680.79	36,803.24	55,331.96	0.00	55,331.96
01-Feb-14	0.00	18,899.57	18,899.57	7,057.22	1,347.53	8,404.75	0.00	10,494.83	10,494.83
01-Aug-14	80,000.00	10,882.59	90,882.59	7,057.22	28,032.74	35,089.96	55,792.64	0.00	55,792.64
01-Feb-15	0.00	14,456.09	14,456.09	5,991.98	1,347.53	7,339.51	0.00	7,116.59	7,116.59
01-Aug-15	85,000.00	9,486.06	94,486.06	5,991.98	27,977.96	33,969.93	60,516.13	0.00	60,516.13
01-Feb-16	0.00	11,311.80	11,311.80	4,860.16	1,347.53	6,207.69	0.00	5,104.12	5,104.12
01-Aug-16	85,000.00	8,292.70	93,292.70	4,860.16	28,099.02	32,959.18	60,333.52	0.00	60,333.52
01-Feb-17	0.00	8,072.29	8,072.29	3,728.34	1,347.53	5,075.87	0.00	2,996.42	2,996.42
01-Aug-17	90,000.00	6,723.56	96,723.56	3,728.34	28,465.81	32,194.15	64,529.42	0.00	64,529.42
01-Feb-18	0.00	4,633.27	4,633.27	2,529.95	992.29	3,522.23	0.00	1,111.03	1,111.03
01-Aug-18	95,000.00	5,150.91	100,150.91	2,529.95	29,315.31	31,845.26	68,305.65	0.00	68,305.65
01-Feb-19	0.00	1,928.34	1,928.34	1,264.97	663.36	1,928.33	0.00	0.00	0.00
01-Aug-19	95,000.00	2,612.50	97,612.50	1,264.97	29,069.65	30,334.62	67,277.88	0.00	67,277.88
01-Feb-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	\$1,172,226.00	\$515,626.55	\$1,687,852.55	\$266,413.75	\$439,839.30	\$706,253.06	\$830,390.91	\$151,208.58	\$981,599.49

Massachusetts Water Pollution Abatement Trust
 Water Pollution Abatement Revenue Bonds
 (Pool Loan Program Bonds)
 Series 5

North Andover
 96-44

Final Loan Structuring Analysis

Administrative Fee Schedule

<u>Date</u>	<u>Principal Outstanding</u>	<u>Administrative Fee Payable @ 0.075000%</u>
06-Oct-1999		
01-Feb-2000	1,476,194.00	707.34
01-Aug-2000	1,476,194.00	1,107.15
01-Feb-2001	1,417,327.00	1,063.00
01-Aug-2001	1,417,327.00	1,063.00
01-Feb-2002	1,357,538.00	1,018.15
01-Aug-2002	1,357,538.00	1,018.15
01-Feb-2003	1,296,821.00	972.62
01-Aug-2003	1,296,821.00	972.62
01-Feb-2004	1,235,085.00	926.31
01-Aug-2004	1,235,085.00	926.31
01-Feb-2005	1,172,226.00	879.17
01-Aug-2005	1,172,226.00	879.17
01-Feb-2006	1,108,143.00	831.11
01-Aug-2006	1,108,143.00	831.11
01-Feb-2007	1,042,524.00	781.89
01-Aug-2007	1,042,524.00	781.89
01-Feb-2008	975,081.00	731.31
01-Aug-2008	975,081.00	731.31
01-Feb-2009	905,922.00	679.44
01-Aug-2009	905,922.00	679.44
01-Feb-2010	835,000.00	626.25
01-Aug-2010	835,000.00	626.25
01-Feb-2011	760,000.00	570.00
01-Aug-2011	760,000.00	570.00
01-Feb-2012	685,000.00	513.75
01-Aug-2012	685,000.00	513.75
01-Feb-2013	610,000.00	457.50
01-Aug-2013	610,000.00	457.50
01-Feb-2014	530,000.00	397.50
01-Aug-2014	530,000.00	397.50
01-Feb-2015	450,000.00	337.50
01-Aug-2015	450,000.00	337.50
01-Feb-2016	365,000.00	273.75
01-Aug-2016	365,000.00	273.75
01-Feb-2017	280,000.00	210.00
01-Aug-2017	280,000.00	210.00
01-Feb-2018	190,000.00	142.50
01-Aug-2018	190,000.00	142.50
01-Feb-2019	95,000.00	71.25
01-Aug-2019	95,000.00	71.25
01-Feb-2020	0.00	0.00
01-Aug-2020	0.00	0.00
01-Feb-2021	0.00	0.00
01-Aug-2021	0.00	0.00
01-Feb-2022	0.00	0.00
01-Aug-2022	0.00	0.00
01-Feb-2023	0.00	0.00
01-Aug-2023	0.00	0.00
01-Feb-2024	0.00	0.00
01-Aug-2024	0.00	0.00
01-Feb-2025	0.00	0.00
01-Aug-2025	0.00	0.00
01-Feb-2026	0.00	0.00
01-Aug-2026	0.00	0.00
01-Feb-2027	0.00	0.00
01-Aug-2027	0.00	0.00
01-Feb-2028	0.00	0.00
01-Aug-2028	0.00	0.00
01-Feb-2029	0.00	0.00
01-Aug-2029	0.00	0.00
01-Feb-2030	0.00	0.00
01-Aug-2030	0.00	0.00
		<u>\$24,780.49</u>

Massachusetts Water Pollution Abatement Trust
 Water Pollution Abatement Revenue Bonds
 (Pool Loan Program Bonds)
 Series 5
 North Andover
 98-79
 Final Loan Structuring Analysis

AMENDED SCHEDULE C

G.E. 50.00%

Schedule of Loan Repayments

Initial Loan Obligation: 223,081.00

Date	Scheduled Loan Repayments			Loan Subsidy Amounts			Net Loan Repayment		
	Principal	Interest	Total	DSRF Earnings	Contract Assistance	Total	Principal	Interest	Total
01-Feb-05	0.00	5,243.78	5,243.78	2,970.44	0.00	2,970.44	0.00	2,273.35	2,273.35
01-Aug-05	11,972.00	5,493.33	17,465.33	2,970.44	5,283.33	8,253.76	9,211.56	0.00	9,211.56
01-Feb-06	0.00	5,800.30	5,800.30	2,811.02	283.69	3,094.71	0.00	2,705.59	2,705.59
01-Aug-06	12,267.00	4,977.17	17,244.17	2,811.02	5,252.49	8,063.52	9,180.65	0.00	9,180.65
01-Feb-07	0.00	5,663.41	5,663.41	2,647.68	283.69	2,931.37	0.00	2,732.04	2,732.04
01-Aug-07	12,616.00	4,790.66	17,406.66	2,647.68	5,415.08	8,062.76	9,343.90	0.00	9,343.90
01-Feb-08	0.00	5,521.90	5,521.90	2,479.69	283.69	2,763.38	0.00	2,758.52	2,758.52
01-Aug-08	12,945.00	3,941.19	16,886.19	2,479.69	5,253.44	7,733.14	9,153.05	0.00	9,153.05
01-Feb-09	0.00	5,406.26	5,406.26	2,307.32	283.69	2,591.01	0.00	2,815.25	2,815.25
01-Aug-09	13,281.00	3,760.11	17,041.11	2,307.32	5,428.06	7,735.38	9,305.73	0.00	9,305.73
01-Feb-10	0.00	5,277.27	5,277.27	2,130.48	283.69	2,414.17	0.00	2,863.10	2,863.10
01-Aug-10	15,000.00	2,255.05	17,255.05	2,130.48	4,838.67	6,969.15	10,285.90	0.00	10,285.90
01-Feb-11	0.00	4,879.94	4,879.94	1,930.75	283.69	2,214.44	0.00	2,665.50	2,665.50
01-Aug-11	15,000.00	2,240.29	17,240.29	1,930.75	5,116.09	7,046.84	10,193.44	0.00	10,193.44
01-Feb-12	0.00	4,671.41	4,671.41	1,731.02	283.69	2,014.71	0.00	2,656.71	2,656.71
01-Aug-12	15,000.00	2,530.22	17,530.22	1,731.02	5,276.36	7,007.38	10,522.84	0.00	10,522.84
01-Feb-13	0.00	3,886.39	3,886.39	1,531.28	283.69	1,814.97	0.00	2,071.41	2,071.41
01-Aug-13	15,000.00	2,291.33	17,291.33	1,531.28	5,407.52	6,938.80	10,352.52	0.00	10,352.52
01-Feb-14	0.00	3,562.59	3,562.59	1,331.55	283.69	1,615.24	0.00	1,947.35	1,947.35
01-Aug-14	15,000.00	2,056.72	17,056.72	1,331.55	5,285.78	6,617.33	10,439.39	0.00	10,439.39
01-Feb-15	0.00	2,728.73	2,728.73	1,131.82	283.69	1,415.51	0.00	1,313.22	1,313.22
01-Aug-15	15,000.00	1,821.57	16,821.57	1,131.82	5,284.74	6,416.55	10,405.01	0.00	10,405.01
01-Feb-16	0.00	2,155.54	2,155.54	932.09	283.69	1,215.78	0.00	939.76	939.76
01-Aug-16	15,000.00	1,613.56	16,613.56	932.09	5,306.26	6,238.34	10,375.22	0.00	10,375.22
01-Feb-17	0.00	1,581.58	1,581.58	732.35	283.69	1,016.04	0.00	565.54	565.54
01-Aug-17	15,000.00	1,352.08	16,352.08	732.35	5,378.47	6,110.83	10,241.25	0.00	10,241.25
01-Feb-18	0.00	975.42	975.42	532.62	208.90	741.52	0.00	233.90	233.90
01-Aug-18	20,000.00	1,084.40	21,084.40	532.62	5,532.28	6,064.90	15,019.50	0.00	15,019.50
01-Feb-19	0.00	405.97	405.97	266.31	139.66	405.97	0.00	0.00	0.00
01-Aug-19	20,000.00	550.00	20,550.00	266.31	5,480.56	5,746.87	14,803.13	0.00	14,803.13
01-Feb-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	\$223,081.00	\$98,518.15	\$321,599.15	\$50,932.83	\$83,291.98	\$134,224.80	\$158,833.10	\$28,541.25	\$187,374.35

Massachusetts Water Pollution Abatement Trust
 Water Pollution Abatement Revenue Bonds
 (Pool Loan Program Bonds)
 Series 5
 North Andover
 98-79
 Final Loan Structuring Analysis

Administrative Fee Schedule

Date	Principal Outstanding	Administrative Fee Payable @ 0.075000%
06-Oct-1999		
01-Feb-2000	279,785.00	134.06
01-Aug-2000	279,785.00	209.84
01-Feb-2001	268,814.00	201.61
01-Aug-2001	268,814.00	201.61
01-Feb-2002	257,666.00	193.25
01-Aug-2002	257,666.00	193.25
01-Feb-2003	246,340.00	184.76
01-Aug-2003	246,340.00	184.76
01-Feb-2004	234,818.00	176.11
01-Aug-2004	234,818.00	176.11
01-Feb-2005	223,081.00	167.31
01-Aug-2005	223,081.00	167.31
01-Feb-2006	211,109.00	158.33
01-Aug-2006	211,109.00	158.33
01-Feb-2007	198,842.00	149.13
01-Aug-2007	198,842.00	149.13
01-Feb-2008	186,226.00	139.67
01-Aug-2008	186,226.00	139.67
01-Feb-2009	173,281.00	129.96
01-Aug-2009	173,281.00	129.96
01-Feb-2010	160,000.00	120.00
01-Aug-2010	160,000.00	120.00
01-Feb-2011	145,000.00	108.75
01-Aug-2011	145,000.00	108.75
01-Feb-2012	130,000.00	97.50
01-Aug-2012	130,000.00	97.50
01-Feb-2013	115,000.00	86.25
01-Aug-2013	115,000.00	86.25
01-Feb-2014	100,000.00	75.00
01-Aug-2014	100,000.00	75.00
01-Feb-2015	85,000.00	63.75
01-Aug-2015	85,000.00	63.75
01-Feb-2016	70,000.00	52.50
01-Aug-2016	70,000.00	52.50
01-Feb-2017	55,000.00	41.25
01-Aug-2017	55,000.00	41.25
01-Feb-2018	40,000.00	30.00
01-Aug-2018	40,000.00	30.00
01-Feb-2019	20,000.00	15.00
01-Aug-2019	20,000.00	15.00
01-Feb-2020	0.00	0.00
01-Aug-2020	0.00	0.00
01-Feb-2021	0.00	0.00
01-Aug-2021	0.00	0.00
01-Feb-2022	0.00	0.00
01-Aug-2022	0.00	0.00
01-Feb-2023	0.00	0.00
01-Aug-2023	0.00	0.00
01-Feb-2024	0.00	0.00
01-Aug-2024	0.00	0.00
01-Feb-2025	0.00	0.00
01-Aug-2025	0.00	0.00
01-Feb-2026	0.00	0.00
01-Aug-2026	0.00	0.00
01-Feb-2027	0.00	0.00
01-Aug-2027	0.00	0.00
01-Feb-2028	0.00	0.00
01-Aug-2028	0.00	0.00
01-Feb-2029	0.00	0.00
01-Aug-2029	0.00	0.00
01-Feb-2030	0.00	0.00
01-Aug-2030	0.00	0.00
		<u>\$4,724.16</u>

Massachusetts Water Pollution Abatement Trust
 Water Pollution Abatement Revenue Bonds
 (Pool Loan Program Bonds)
 Series 5
 North Andover
 98-96
 Final Loan Structuring Analysis

AMENDED SCHEDULE C

G.E. 50.00%

Schedule of Loan Repayments

Initial Loan Obligation: 182,521.00

Date	Scheduled Loan Repayments			Loan Subsidy Amounts			Net Loan Repayment		
	Principal	Interest	Total	DSRF Earnings	Contract Assistance	Total	Principal	Interest	Total
	01-Feb-05	0.00	4,317.30	4,317.30	2,430.36	0.00	2,430.36	0.00	1,886.94
01-Aug-05	9,980.00	4,502.21	14,482.21	2,430.36	4,362.50	6,792.86	7,689.35	0.00	7,689.35
01-Feb-06	0.00	4,747.92	4,747.92	2,297.47	212.77	2,510.24	0.00	2,237.68	2,237.68
01-Aug-06	10,219.00	4,076.29	14,295.29	2,297.47	4,337.34	6,634.81	7,660.48	0.00	7,660.48
01-Feb-07	0.00	4,630.72	4,630.72	2,161.40	212.77	2,374.17	0.00	2,256.55	2,256.55
01-Aug-07	10,503.00	3,918.61	14,421.61	2,161.40	4,470.00	6,631.40	7,790.21	0.00	7,790.21
01-Feb-08	0.00	4,509.77	4,509.77	2,021.55	212.77	2,234.32	0.00	2,275.46	2,275.46
01-Aug-08	10,770.00	3,220.00	13,990.00	2,021.55	4,338.12	6,359.66	7,630.34	0.00	7,630.34
01-Feb-09	0.00	4,410.43	4,410.43	1,878.14	212.77	2,090.91	0.00	2,319.52	2,319.52
01-Aug-09	11,049.00	3,067.27	14,116.27	1,878.14	4,480.59	6,358.73	7,757.54	0.00	7,757.54
01-Feb-10	0.00	4,299.60	4,299.60	1,731.02	212.77	1,943.79	0.00	2,355.81	2,355.81
01-Aug-10	10,000.00	2,021.75	12,021.75	1,731.02	4,056.06	5,787.08	6,234.68	0.00	6,234.68
01-Feb-11	0.00	3,956.01	3,956.01	1,597.86	212.77	1,810.63	0.00	2,145.38	2,145.38
01-Aug-11	10,000.00	2,041.77	12,041.77	1,597.86	4,259.64	5,857.50	6,184.27	0.00	6,184.27
01-Feb-12	0.00	3,824.40	3,824.40	1,464.71	212.77	1,677.48	0.00	2,146.92	2,146.92
01-Aug-12	10,000.00	2,272.32	12,272.32	1,464.71	4,375.20	5,839.90	6,432.41	0.00	6,432.41
01-Feb-13	0.00	3,281.22	3,281.22	1,331.55	212.77	1,544.32	0.00	1,736.90	1,736.90
01-Aug-13	10,000.00	2,121.21	12,121.21	1,331.55	4,470.24	5,801.79	6,319.42	0.00	6,319.42
01-Feb-14	0.00	3,072.41	3,072.41	1,198.40	212.77	1,411.17	0.00	1,661.24	1,661.24
01-Aug-14	15,000.00	1,796.05	16,796.05	1,198.40	4,334.09	5,532.49	11,263.56	0.00	11,263.56
01-Feb-15	0.00	2,437.78	2,437.78	998.66	212.77	1,211.43	0.00	1,226.35	1,226.35
01-Aug-15	15,000.00	1,556.59	16,556.59	998.66	4,333.30	5,331.96	11,224.63	0.00	11,224.63
01-Feb-16	0.00	1,869.40	1,869.40	798.93	212.77	1,011.70	0.00	857.70	857.70
01-Aug-16	15,000.00	1,343.94	16,343.94	798.93	4,354.54	5,153.47	11,190.46	0.00	11,190.46
01-Feb-17	0.00	1,299.54	1,299.54	599.20	212.77	811.97	0.00	487.57	487.57
01-Aug-17	15,000.00	1,074.30	16,074.30	599.20	4,423.08	5,022.28	11,052.02	0.00	11,052.02
01-Feb-18	0.00	731.57	731.57	399.47	156.68	556.14	0.00	175.42	175.42
01-Aug-18	15,000.00	813.30	15,813.30	399.47	4,562.22	4,961.68	10,851.62	0.00	10,851.62
01-Feb-19	0.00	304.47	304.47	199.73	104.74	304.48	0.00	0.00	0.00
01-Aug-19	15,000.00	412.50	15,412.50	199.73	4,523.43	4,723.16	10,689.34	0.00	10,689.34
01-Feb-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	\$182,521.00	\$81,930.65	\$264,451.65	\$42,216.85	\$68,495.02	\$110,711.86	\$129,970.32	\$23,769.47	\$153,739.79

Massachusetts Water Pollution Abatement Trust
 Water Pollution Abatement Revenue Bonds
 (Pool Loan Program Bonds)

Series 5

North Andover
98-96

Final Loan Structuring Analysis

Administrative Fee Schedule

<u>Date</u>	<u>Principal Outstanding</u>	<u>Administrative Fee Payable @ 0.075000%</u>
06-Oct-1999		
01-Feb-2000	229,859.00	110.14
01-Aug-2000	229,859.00	172.39
01-Feb-2001	220,691.00	165.52
01-Aug-2001	220,691.00	165.52
01-Feb-2002	211,380.00	158.54
01-Aug-2002	211,380.00	158.54
01-Feb-2003	201,924.00	151.44
01-Aug-2003	201,924.00	151.44
01-Feb-2004	192,310.00	144.23
01-Aug-2004	192,310.00	144.23
01-Feb-2005	182,521.00	136.89
01-Aug-2005	182,521.00	136.89
01-Feb-2006	172,541.00	129.41
01-Aug-2006	172,541.00	129.41
01-Feb-2007	162,322.00	121.74
01-Aug-2007	162,322.00	121.74
01-Feb-2008	151,819.00	113.86
01-Aug-2008	151,819.00	113.86
01-Feb-2009	141,049.00	105.79
01-Aug-2009	141,049.00	105.79
01-Feb-2010	130,000.00	97.50
01-Aug-2010	130,000.00	97.50
01-Feb-2011	120,000.00	90.00
01-Aug-2011	120,000.00	90.00
01-Feb-2012	110,000.00	82.50
01-Aug-2012	110,000.00	82.50
01-Feb-2013	100,000.00	75.00
01-Aug-2013	100,000.00	75.00
01-Feb-2014	90,000.00	67.50
01-Aug-2014	90,000.00	67.50
01-Feb-2015	75,000.00	56.25
01-Aug-2015	75,000.00	56.25
01-Feb-2016	60,000.00	45.00
01-Aug-2016	60,000.00	45.00
01-Feb-2017	45,000.00	33.75
01-Aug-2017	45,000.00	33.75
01-Feb-2018	30,000.00	22.50
01-Aug-2018	30,000.00	22.50
01-Feb-2019	15,000.00	11.25
01-Aug-2019	15,000.00	11.25
01-Feb-2020	0.00	0.00
01-Aug-2020	0.00	0.00
01-Feb-2021	0.00	0.00
01-Aug-2021	0.00	0.00
01-Feb-2022	0.00	0.00
01-Aug-2022	0.00	0.00
01-Feb-2023	0.00	0.00
01-Aug-2023	0.00	0.00
01-Feb-2024	0.00	0.00
01-Aug-2024	0.00	0.00
01-Feb-2025	0.00	0.00
01-Aug-2025	0.00	0.00
01-Feb-2026	0.00	0.00
01-Aug-2026	0.00	0.00
01-Feb-2027	0.00	0.00
01-Aug-2027	0.00	0.00
01-Feb-2028	0.00	0.00
01-Aug-2028	0.00	0.00
01-Feb-2029	0.00	0.00
01-Aug-2029	0.00	0.00
01-Feb-2030	0.00	0.00
01-Aug-2030	0.00	0.00
		<u>\$3,899.87</u>

Massachusetts Water Pollution Abatement Trust
 Water Pollution Abatement Revenue Bonds
 (Pool Loan Program Bonds)
 Series 5
 North Andover
 99-28
 Final Loan Structuring Analysis

AMENDED SCHEDULE C

G.E. 50.00%

Schedule of Loan Repayments

Initial Loan Obligation: 133,707.00

Date	Scheduled Loan Repayments			Loan Subsidy Amounts			Net Loan Repayment		
	Principal	Interest	Total	DSRF Earnings	Contract Assistance	Total	Principal	Interest	Total
01-Feb-05	0.00	3,165.93	3,165.93	1,780.38	0.00	1,780.38	0.00	1,385.55	1,385.55
01-Aug-05	6,381.00	3,286.48	9,667.48	1,780.38	3,111.60	4,891.98	4,775.51	0.00	4,775.51
01-Feb-06	0.00	3,502.17	3,502.17	1,695.41	141.84	1,837.25	0.00	1,664.92	1,664.92
01-Aug-06	6,545.00	2,989.08	9,534.08	1,695.41	3,092.38	4,787.79	4,746.29	0.00	4,746.29
01-Feb-07	0.00	3,445.75	3,445.75	1,608.26	141.84	1,750.10	0.00	1,695.65	1,695.65
01-Aug-07	6,740.00	2,901.74	9,641.74	1,608.26	3,193.72	4,801.98	4,839.75	0.00	4,839.75
01-Feb-08	0.00	3,387.05	3,387.05	1,518.51	141.84	1,660.35	0.00	1,726.70	1,726.70
01-Aug-08	6,924.00	2,401.74	9,325.74	1,518.51	3,092.97	4,611.48	4,714.26	0.00	4,714.26
01-Feb-09	0.00	3,342.44	3,342.44	1,426.32	141.84	1,568.16	0.00	1,774.28	1,774.28
01-Aug-09	7,117.00	2,316.35	9,433.35	1,426.32	3,201.81	4,628.13	4,805.22	0.00	4,805.22
01-Feb-10	0.00	3,292.52	3,292.52	1,331.55	141.84	1,473.39	0.00	1,819.13	1,819.13
01-Aug-10	10,000.00	1,354.07	11,354.07	1,331.55	2,818.06	4,149.61	7,204.45	0.00	7,204.45
01-Feb-11	0.00	3,050.48	3,050.48	1,198.40	141.84	1,340.24	0.00	1,710.24	1,710.24
01-Aug-11	10,000.00	1,335.56	11,335.56	1,198.40	2,997.61	4,196.00	7,139.56	0.00	7,139.56
01-Feb-12	0.00	2,909.32	2,909.32	1,065.24	141.84	1,207.08	0.00	1,702.24	1,702.24
01-Aug-12	10,000.00	1,518.04	11,518.04	1,065.24	3,101.92	4,167.16	7,350.88	0.00	7,350.88
01-Feb-13	0.00	2,391.72	2,391.72	932.09	141.84	1,073.93	0.00	1,317.80	1,317.80
01-Aug-13	10,000.00	1,356.41	11,356.41	932.09	3,187.15	4,119.24	7,237.17	0.00	7,237.17
01-Feb-14	0.00	2,173.82	2,173.82	798.93	141.84	940.77	0.00	1,233.05	1,233.05
01-Aug-14	10,000.00	1,197.36	11,197.36	798.93	3,108.31	3,907.24	7,290.12	0.00	7,290.12
01-Feb-15	0.00	1,625.19	1,625.19	665.78	141.84	807.62	0.00	817.57	817.57
01-Aug-15	10,000.00	1,037.73	11,037.73	665.78	3,107.79	3,773.56	7,264.16	0.00	7,264.16
01-Feb-16	0.00	1,246.27	1,246.27	532.62	141.84	674.46	0.00	571.81	571.81
01-Aug-16	10,000.00	895.96	10,895.96	532.62	3,121.95	3,654.57	7,241.39	0.00	7,241.39
01-Feb-17	0.00	866.36	866.36	399.47	141.84	541.31	0.00	325.06	325.06
01-Aug-17	10,000.00	716.20	10,716.20	399.47	3,167.64	3,567.10	7,149.09	0.00	7,149.09
01-Feb-18	0.00	487.71	487.71	266.31	104.45	370.76	0.00	116.96	116.96
01-Aug-18	10,000.00	542.20	10,542.20	266.31	3,260.40	3,526.71	7,015.49	0.00	7,015.49
01-Feb-19	0.00	202.98	202.98	133.16	69.82	202.98	0.00	0.00	0.00
01-Aug-19	10,000.00	275.00	10,275.00	133.16	3,234.54	3,367.70	6,907.31	0.00	6,907.31
01-Feb-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	\$133,707.00	\$59,213.62	\$192,920.62	\$30,704.80	\$48,674.21	\$79,379.01	\$95,680.65	\$17,860.96	\$113,541.61

Massachusetts Water Pollution Abatement Trust
 Water Pollution Abatement Revenue Bonds
 (Pool Loan Program Bonds)
 Series 5

North Andover
99-28

Final Loan Structuring Analysis

Administrative Fee Schedule

<u>Date</u>	<u>Principal Outstanding</u>	<u>Administrative Fee Payable @ 0.075000%</u>
06-Oct-1999		
01-Feb-2000	163,851.00	78.51
01-Aug-2000	163,851.00	122.89
01-Feb-2001	158,028.00	118.52
01-Aug-2001	158,028.00	118.52
01-Feb-2002	152,107.00	114.08
01-Aug-2002	152,107.00	114.08
01-Feb-2003	146,087.00	109.57
01-Aug-2003	146,087.00	109.57
01-Feb-2004	139,957.00	104.97
01-Aug-2004	139,957.00	104.97
01-Feb-2005	133,707.00	100.28
01-Aug-2005	133,707.00	100.28
01-Feb-2006	127,326.00	95.49
01-Aug-2006	127,326.00	95.49
01-Feb-2007	120,781.00	90.59
01-Aug-2007	120,781.00	90.59
01-Feb-2008	114,041.00	85.53
01-Aug-2008	114,041.00	85.53
01-Feb-2009	107,117.00	80.34
01-Aug-2009	107,117.00	80.34
01-Feb-2010	100,000.00	75.00
01-Aug-2010	100,000.00	75.00
01-Feb-2011	90,000.00	67.50
01-Aug-2011	90,000.00	67.50
01-Feb-2012	80,000.00	60.00
01-Aug-2012	80,000.00	60.00
01-Feb-2013	70,000.00	52.50
01-Aug-2013	70,000.00	52.50
01-Feb-2014	60,000.00	45.00
01-Aug-2014	60,000.00	45.00
01-Feb-2015	50,000.00	37.50
01-Aug-2015	50,000.00	37.50
01-Feb-2016	40,000.00	30.00
01-Aug-2016	40,000.00	30.00
01-Feb-2017	30,000.00	22.50
01-Aug-2017	30,000.00	22.50
01-Feb-2018	20,000.00	15.00
01-Aug-2018	20,000.00	15.00
01-Feb-2019	10,000.00	7.50
01-Aug-2019	10,000.00	7.50
01-Feb-2020	0.00	0.00
01-Aug-2020	0.00	0.00
01-Feb-2021	0.00	0.00
01-Aug-2021	0.00	0.00
01-Feb-2022	0.00	0.00
01-Aug-2022	0.00	0.00
01-Feb-2023	0.00	0.00
01-Aug-2023	0.00	0.00
01-Feb-2024	0.00	0.00
01-Aug-2024	0.00	0.00
01-Feb-2025	0.00	0.00
01-Aug-2025	0.00	0.00
01-Feb-2026	0.00	0.00
01-Aug-2026	0.00	0.00
01-Feb-2027	0.00	0.00
01-Aug-2027	0.00	0.00
01-Feb-2028	0.00	0.00
01-Aug-2028	0.00	0.00
01-Feb-2029	0.00	0.00
01-Aug-2029	0.00	0.00
01-Feb-2030	0.00	0.00
01-Aug-2030	0.00	0.00
		<u>\$2,825.14</u>

Series 6
 North Andover
 99-29
 Final Loan Structuring Analysis

G.E. 50.00%

Schedule of Loan Repayments

Initial Loan Obligation: 2,100,160.00

Date	Scheduled Loan Repayments			Loan Subsidy Amounts			Net Loan Repayment		
	Principal	Interest	Total	DSRF Earnings	Contract Assistance	Total	Principal	Interest	Total
	01-Feb-05	0.00	48,832.66	48,832.66	27,597.68	0.00	27,597.68	0.00	21,234.99
01-Aug-05	105,891.00	53,020.67	158,911.67	27,597.68	47,714.15	75,311.83	83,599.84	0.00	83,599.84
01-Feb-06	0.00	51,792.04	51,792.04	26,206.19	1,407.24	27,613.43	0.00	24,178.61	24,178.61
01-Aug-06	108,338.00	51,817.80	160,155.80	26,206.19	48,450.18	74,656.37	85,499.43	0.00	85,499.43
01-Feb-07	0.00	50,756.45	50,756.45	24,782.55	2,097.48	26,880.03	0.00	23,876.42	23,876.42
01-Aug-07	110,905.00	45,968.78	156,873.78	24,782.55	47,726.44	72,508.99	84,364.80	0.00	84,364.80
01-Feb-08	0.00	49,884.85	49,884.85	23,325.17	2,097.48	25,422.65	0.00	24,462.20	24,462.20
01-Aug-08	113,538.00	43,801.21	157,339.21	23,325.17	48,801.61	72,126.78	85,212.43	0.00	85,212.43
01-Feb-09	0.00	48,799.64	48,799.64	21,833.20	2,097.48	23,930.68	0.00	24,868.96	24,868.96
01-Aug-09	116,597.00	36,436.34	153,033.34	21,833.20	48,520.72	70,353.92	82,679.42	0.00	82,679.42
01-Feb-10	0.00	49,703.62	49,703.62	20,301.03	2,097.48	22,398.51	0.00	27,305.11	27,305.11
01-Aug-10	119,891.00	32,618.53	152,509.53	20,301.03	48,708.74	69,009.76	83,499.77	0.00	83,499.77
01-Feb-11	0.00	47,689.65	47,689.65	18,725.57	2,097.48	20,823.05	0.00	26,866.60	26,866.60
01-Aug-11	125,000.00	29,012.96	154,012.96	18,725.57	48,367.56	67,093.13	86,919.83	0.00	86,919.83
01-Feb-12	0.00	44,184.47	44,184.47	17,082.98	2,097.48	19,180.46	0.00	25,004.01	25,004.01
01-Aug-12	125,000.00	23,608.73	148,608.73	17,082.98	45,783.78	62,866.75	85,741.98	0.00	85,741.98
01-Feb-13	0.00	38,014.88	38,014.88	15,440.38	2,097.48	17,537.86	0.00	20,477.02	20,477.02
01-Aug-13	130,000.00	24,080.96	154,080.96	15,440.38	47,382.66	62,823.04	91,257.92	0.00	91,257.92
01-Feb-14	0.00	33,959.17	33,959.17	13,732.08	2,097.48	15,829.56	0.00	18,129.60	18,129.60
01-Aug-14	135,000.00	21,699.18	156,699.18	13,732.08	47,416.43	61,148.51	95,550.67	0.00	95,550.67
01-Feb-15	0.00	28,955.35	28,955.35	11,958.08	2,097.48	14,055.56	0.00	14,899.78	14,899.78
01-Aug-15	140,000.00	19,285.60	159,285.60	11,958.08	47,443.41	59,401.49	99,884.10	0.00	99,884.10
01-Feb-16	0.00	23,688.53	23,688.53	10,118.38	2,097.48	12,215.86	0.00	11,472.67	11,472.67
01-Aug-16	145,000.00	16,931.84	161,931.84	10,118.38	47,567.30	57,685.67	104,246.16	0.00	104,246.16
01-Feb-17	0.00	18,274.43	18,274.43	8,212.97	2,097.48	10,310.45	0.00	7,963.99	7,963.99
01-Aug-17	150,000.00	14,273.25	164,273.25	8,212.97	47,628.91	55,841.88	108,431.37	0.00	108,431.37
01-Feb-18	0.00	12,723.03	12,723.03	6,241.86	2,079.31	8,321.16	0.00	4,401.87	4,401.87
01-Aug-18	155,000.00	11,595.18	166,595.18	6,241.86	48,399.25	54,641.10	111,954.07	0.00	111,954.07
01-Feb-19	0.00	7,743.90	7,743.90	4,205.04	1,769.43	5,974.47	0.00	1,769.43	1,769.43
01-Aug-19	160,000.00	8,400.00	168,400.00	4,205.04	49,236.45	53,441.49	114,958.51	0.00	114,958.51
01-Feb-20	0.00	3,689.80	3,689.80	2,102.52	1,587.28	3,689.80	0.00	0.00	0.00
01-Aug-20	160,000.00	4,200.00	164,200.00	2,102.52	48,981.35	51,083.87	113,116.13	0.00	113,116.13
01-Feb-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2,100,160.00	995,443.50	3,095,603.50	503,731.33	798,044.46	1,301,775.80	1,516,916.44	276,911.26	1,793,827.70

Massachusetts Water Pollution Abatement Trust
 Water Pollution Abatement and Drinking Water Revenue Bonds
 (Pool Program Bonds)
 Series 6
 North Andover
 99-29
 Final Structuring Analysis

Estimated Net Borrower Debt Service

Date	Principal Outstanding	Debt Service [Net of Accrued Interest]	LESS DSRF Earnings @ 5.256300%	LESS Contract Assistance	Estimated Net Debt Service	PLUS Administrative Fee Payable @ 0.075%	Estimated Total Payment	Estimated Total Payment [Fiscal Year ending] 30-Jun
08-Nov-00								
01-Feb-01	\$2,501,805.00	\$29,955.83	\$15,159.30	\$2,097.48	\$12,699.05	\$865.21	\$13,564.26	\$13,564.26
01-Aug-01	2,501,805.00	162,038.44	32,875.59	48,981.35	80,181.50	1,876.35	82,057.85	--
01-Feb-02	2,404,731.00	62,658.93	31,599.97	2,097.48	28,961.48	1,803.55	30,765.03	112,822.88
01-Aug-02	2,404,731.00	161,917.93	31,599.97	48,981.35	81,336.61	1,803.55	83,140.16	--
01-Feb-03	2,305,472.00	60,301.53	30,295.65	2,097.48	27,908.42	1,729.10	29,637.52	112,777.68
01-Aug-03	2,305,472.00	161,831.53	30,295.63	48,981.35	82,574.55	1,729.10	84,303.65	--
01-Feb-04	2,203,922.00	57,889.71	28,961.19	2,097.48	26,831.04	1,652.94	28,483.98	112,787.63
01-Aug-04	2,203,922.00	161,651.71	28,961.19	48,981.35	83,709.17	1,652.94	85,362.11	--
01-Feb-05	2,100,160.00	55,555.07	27,597.68	2,097.48	25,859.91	1,575.12	27,435.03	112,797.14
01-Aug-05	2,100,160.00	161,446.07	27,597.68	48,981.35	84,867.04	1,575.12	86,442.16	--
01-Feb-06	1,994,269.00	53,172.52	26,206.19	2,097.48	24,868.85	1,495.70	26,364.55	112,806.71
01-Aug-06	1,994,269.00	161,510.52	26,206.19	48,981.35	86,322.98	1,495.70	87,818.68	--
01-Feb-07	1,885,931.00	50,464.07	24,782.55	2,097.48	23,584.04	1,414.45	24,998.49	112,817.17
01-Aug-07	1,885,931.00	161,369.07	24,782.55	48,981.35	87,605.17	1,414.45	89,019.62	--
01-Feb-08	1,773,026.00	47,899.39	23,325.17	2,097.48	22,476.74	1,331.27	23,808.01	112,827.63
01-Aug-08	1,773,026.00	161,437.39	23,325.17	48,981.35	89,130.87	1,331.27	90,462.14	--
01-Feb-09	1,661,488.00	45,060.94	21,833.20	2,097.48	21,130.26	1,246.12	22,376.38	112,838.52
01-Aug-09	1,661,488.00	161,657.94	21,833.20	48,981.35	90,843.39	1,246.12	92,089.51	--
01-Feb-10	1,544,891.00	42,000.27	20,301.03	2,097.48	19,601.76	1,158.67	20,760.43	112,849.94
01-Aug-10	1,544,891.00	161,891.27	20,301.03	48,981.35	92,608.89	1,158.67	93,767.56	--
01-Feb-11	1,425,000.00	38,853.13	18,725.57	2,097.48	18,030.08	1,068.75	19,098.83	112,866.39
01-Aug-11	1,425,000.00	163,853.13	18,725.57	48,981.35	95,146.21	1,068.75	97,214.96	--
01-Feb-12	1,300,000.00	35,571.88	17,082.98	2,097.48	16,391.42	975.00	17,366.42	114,581.38
01-Aug-12	1,300,000.00	160,571.88	17,082.98	48,981.35	94,507.55	975.00	95,482.55	--
01-Feb-13	1,175,000.00	32,446.88	15,440.38	2,097.48	14,909.02	881.25	15,790.27	111,272.82
01-Aug-13	1,175,000.00	162,446.88	15,440.38	48,981.35	98,025.15	881.25	98,906.40	--
01-Feb-14	1,045,000.00	28,790.63	13,732.08	2,097.48	12,961.07	783.75	13,744.82	112,651.22
01-Aug-14	1,045,000.00	163,790.63	13,732.08	48,981.35	101,077.20	783.75	101,860.95	--
01-Feb-15	910,000.00	24,993.75	11,958.08	2,097.48	10,938.19	682.50	11,620.69	113,481.64
01-Aug-15	910,000.00	164,993.75	11,958.08	48,981.35	104,034.32	682.50	104,736.82	--
01-Feb-16	770,000.00	21,056.25	10,118.38	2,097.48	8,840.39	577.50	9,417.89	114,154.71
01-Aug-16	770,000.00	166,056.25	10,118.38	48,981.35	106,956.52	577.50	107,534.02	--
01-Feb-17	625,000.00	16,978.13	8,212.97	2,097.48	6,667.68	468.75	7,136.43	114,670.45
01-Aug-17	625,000.00	166,978.13	8,212.97	48,981.35	109,783.81	468.75	110,252.56	--
01-Feb-18	475,000.00	12,759.38	6,241.86	2,097.48	4,420.04	356.25	4,776.29	115,028.85
01-Aug-18	475,000.00	167,759.38	6,241.86	48,981.35	112,536.17	356.25	112,892.42	--
01-Feb-19	320,000.00	8,400.00	4,205.04	2,097.48	2,097.48	240.00	2,337.48	115,229.90
01-Aug-19	320,000.00	168,400.00	4,205.04	48,981.35	115,213.61	240.00	115,453.61	--
01-Feb-20	160,000.00	4,200.00	2,102.52	2,097.48	0.00	120.00	120.00	115,573.61
01-Aug-20	160,000.00	164,200.00	2,102.52	48,981.35	113,116.13	120.00	113,236.13	--
01-Feb-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113,236.13
01-Aug-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
	\$3,994,830.19	\$733,479.83	\$1,021,576.60	\$2,239,773.76	\$41,862.90	\$2,281,636.66	\$2,281,636.66	

Average Annual Net Debt Service: \$113,518.03

Max: 115,573.61
 Min: 111,272.82
 Span: 4,300.79

Massachusetts Water Pollution Abatement Trust
 Water Pollution Abatement and Drinking Water Revenue Bonds
 (Pool Program Bonds)
 Pool Program Bonds, Pool 13
 North Andover
 DW-06-01
 Final Structuring Analysis

SCHEDULE C

Loan Interest Rate 2.00%

Schedule of Loan Repayments

Initial Loan Obligation: \$5,532,288.00

Date	Schedule of Loan Repayments			Admin. Fee 0.00075	Loan Origination Fee	Total Due
	Principal	Interest	Total			
18-Dec-07						
15-Jul-08	\$219,355.00	\$63,621.31	\$282,976.31	\$4,149.22	35,406.64	\$322,532.17
15-Jan-09	0.00	53,129.33	53,129.33	3,984.70		57,114.03
15-Jul-09	232,168.00	53,129.33	285,297.33	3,984.70		289,282.03
15-Jan-10	0.00	50,807.65	50,807.65	3,810.57		54,618.22
15-Jul-10	236,858.00	50,807.65	287,665.65	3,810.57		291,476.22
15-Jan-11	0.00	48,439.07	48,439.07	3,632.93		52,072.00
15-Jul-11	241,643.00	48,439.07	290,082.07	3,632.93		293,715.00
15-Jan-12	0.00	46,022.64	46,022.64	3,451.70		49,474.34
15-Jul-12	246,525.00	46,022.64	292,547.64	3,451.70		295,999.34
15-Jan-13	0.00	43,557.39	43,557.39	3,266.80		46,824.19
15-Jul-13	251,505.00	43,557.39	295,062.39	3,266.80		298,329.19
15-Jan-14	0.00	41,042.34	41,042.34	3,078.18		44,120.52
15-Jul-14	256,586.00	41,042.34	297,628.34	3,078.18		300,706.52
15-Jan-15	0.00	38,476.48	38,476.48	2,885.74		41,362.22
15-Jul-15	261,770.00	38,476.48	300,246.48	2,885.74		303,132.22
15-Jan-16	0.00	35,858.78	35,858.78	2,689.41		38,548.19
15-Jul-16	267,058.00	35,858.78	302,916.78	2,689.41		305,606.19
15-Jan-17	0.00	33,188.20	33,188.20	2,489.12		35,677.32
15-Jul-17	272,453.00	33,188.20	305,641.20	2,489.12		308,130.32
15-Jan-18	0.00	30,463.67	30,463.67	2,284.78		32,748.45
15-Jul-18	277,957.00	30,463.67	308,420.67	2,284.78		310,705.45
15-Jan-19	0.00	27,684.10	27,684.10	2,076.31		29,760.41
15-Jul-19	283,573.00	27,684.10	311,257.10	2,076.31		313,333.41
15-Jan-20	0.00	24,848.37	24,848.37	1,863.63		26,712.00
15-Jul-20	289,301.00	24,848.37	314,149.37	1,863.63		316,013.00
15-Jan-21	0.00	21,955.36	21,955.36	1,646.65		23,602.01
15-Jul-21	295,146.00	21,955.36	317,101.36	1,646.65		318,748.01
15-Jan-22	0.00	19,003.90	19,003.90	1,425.29		20,429.19
15-Jul-22	301,108.00	19,003.90	320,111.90	1,425.29		321,537.19
15-Jan-23	0.00	15,992.82	15,992.82	1,199.46		17,192.28
15-Jul-23	307,191.00	15,992.82	323,183.82	1,199.46		324,383.28
15-Jan-24	0.00	12,920.91	12,920.91	969.07		13,889.98
15-Jul-24	313,397.00	12,920.91	326,317.91	969.07		327,286.98
15-Jan-25	0.00	9,786.94	9,786.94	734.02		10,520.96
15-Jul-25	319,729.00	9,786.94	329,515.94	734.02		330,249.96
15-Jan-26	0.00	6,589.65	6,589.65	494.22		7,083.87
15-Jul-26	326,188.00	6,589.65	332,777.65	494.22		333,271.87
15-Jan-27	0.00	3,327.77	3,327.77	249.58		3,577.35
15-Jul-27	332,777.00	3,327.77	336,104.77	249.58		336,354.35
15-Jan-28	0.00	0.00	0.00	0.00		0.00
15-Jul-28	0.00	0.00	0.00	0.00		0.00
15-Jan-29	0.00	0.00	0.00	0.00		0.00
15-Jul-29	0.00	0.00	0.00	0.00		0.00
15-Jan-30	0.00	0.00	0.00	0.00		0.00
15-Jul-30	0.00	0.00	0.00	0.00		0.00
15-Jan-31	0.00	0.00	0.00	0.00		0.00
15-Jul-31	0.00	0.00	0.00	0.00		0.00
15-Jan-32	0.00	0.00	0.00	0.00		0.00
15-Jul-32	0.00	0.00	0.00	0.00		0.00
15-Jan-33	0.00	0.00	0.00	0.00		0.00
15-Jul-33	0.00	0.00	0.00	0.00		0.00
15-Jan-34	0.00	0.00	0.00	0.00		0.00
15-Jul-34	0.00	0.00	0.00	0.00		0.00
15-Jan-35	0.00	0.00	0.00	0.00		0.00
15-Jul-35	0.00	0.00	0.00	0.00		0.00
15-Jan-36	0.00	0.00	0.00	0.00		0.00
15-Jul-36	0.00	0.00	0.00	0.00		0.00
15-Jan-37	0.00	0.00	0.00	0.00		0.00
15-Jul-37	0.00	0.00	0.00	0.00		0.00
15-Jan-38	0.00	0.00	0.00	0.00		0.00
15-Jul-38	0.00	0.00	0.00	0.00		0.00
15-Jan-39	0.00	0.00	0.00	0.00		0.00
	\$5,532,288.00	\$1,189,812.05	\$6,722,100.05	\$88,613.54	\$35,406.64	\$6,848,120.23