

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement Revenue Bonds
(Pool Loan Program Bonds)
Series 5
Ayer
98-82
Final Loan Structuring Analysis

AMENDED SCHEDULE C

G.E. 50.00%

Schedule of Loan Repayments

Initial Loan Obligation: 212,042.00

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	5,036.71	5,036.71	2,823.45	0.00	2,823.45	0.00	2,213.26	2,213.26
01-Aug-05	11,786.00	5,217.55	17,003.55	2,823.45	5,124.45	7,947.90	9,055.66	0.00	9,055.66
01-Feb-06	0.00	5,491.25	5,491.25	2,666.51	212.77	2,879.28	0.00	2,611.97	2,611.97
01-Aug-06	12,070.00	4,721.62	16,791.62	2,666.51	5,095.62	7,762.13	9,029.49	0.00	9,029.49
01-Feb-07	0.00	5,347.50	5,347.50	2,505.79	212.77	2,718.56	0.00	2,628.94	2,628.94
01-Aug-07	12,408.00	4,531.48	16,939.48	2,505.79	5,247.63	7,753.42	9,186.05	0.00	9,186.05
01-Feb-08	0.00	5,199.12	5,199.12	2,340.57	212.77	2,553.34	0.00	2,645.78	2,645.78
01-Aug-08	12,725.00	3,721.16	16,446.16	2,340.57	5,096.51	7,437.08	9,009.08	0.00	9,009.08
01-Feb-09	0.00	5,076.08	5,076.08	2,171.13	212.77	2,383.90	0.00	2,692.17	2,692.17
01-Aug-09	13,053.00	3,536.93	16,589.93	2,171.13	5,259.77	7,430.90	9,159.03	0.00	9,159.03
01-Feb-10	0.00	4,938.79	4,938.79	1,997.33	212.77	2,210.10	0.00	2,728.69	2,728.69
01-Aug-10	15,000.00	2,031.11	17,031.11	1,997.33	4,684.15	6,681.47	10,349.64	0.00	10,349.64
01-Feb-11	0.00	4,575.72	4,575.72	1,797.59	212.77	2,010.36	0.00	2,565.36	2,565.36
01-Aug-11	15,000.00	2,003.35	17,003.35	1,797.59	4,953.46	6,751.05	10,252.30	0.00	10,252.30
01-Feb-12	0.00	4,363.98	4,363.98	1,597.86	212.77	1,810.63	0.00	2,553.35	2,553.35
01-Aug-12	15,000.00	2,277.06	17,277.06	1,597.86	5,109.93	6,707.79	10,569.26	0.00	10,569.26
01-Feb-13	0.00	3,587.59	3,587.59	1,398.13	212.77	1,610.90	0.00	1,976.69	1,976.69
01-Aug-13	15,000.00	2,034.61	17,034.61	1,398.13	5,237.78	6,635.91	10,398.71	0.00	10,398.71
01-Feb-14	0.00	3,260.72	3,260.72	1,198.40	212.77	1,411.17	0.00	1,849.56	1,849.56
01-Aug-14	15,000.00	1,796.05	16,796.05	1,198.40	5,119.52	6,317.92	10,478.13	0.00	10,478.13
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	5,118.73	6,117.39	10,439.20	0.00	10,439.20
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	5,139.97	5,938.90	10,405.03	0.00	10,405.03
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	5,208.51	5,807.71	10,266.59	0.00	10,266.59
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	5,347.65	5,747.11	10,066.19	0.00	10,066.19
01-Feb-19	0.00	304.47	304.47	199.74	104.74	304.47	0.00	0.00	0.00
01-Aug-19	15,000.00	412.50	15,412.50	199.74	5,308.86	5,508.60	9,903.91	0.00	9,903.91
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
	\$212,042.00	\$90,591.77	\$302,633.77	\$46,985.48	\$79,867.20	\$126,852.68	\$148,568.26	\$27,212.82	\$175,781.09

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

Ayer

98-82

Final Loan Structuring Analysis

Administrative Fee Schedule

Date	Principal Outstanding	Administrative Fee
		Payable @ 0.075000%
06-Oct-1999		
01-Feb-2000	267,932.00	128.38
01-Aug-2000	267,932.00	200.95
01-Feb-2001	257,110.00	192.83
01-Aug-2001	257,110.00	192.83
01-Feb-2002	246,118.00	184.59
01-Aug-2002	246,118.00	184.59
01-Feb-2003	234,954.00	176.22
01-Aug-2003	234,954.00	176.22
01-Feb-2004	223,602.00	167.70
01-Aug-2004	223,602.00	167.70
01-Feb-2005	212,042.00	159.03
01-Aug-2005	212,042.00	159.03
01-Feb-2006	200,256.00	150.19
01-Aug-2006	200,256.00	150.19
01-Feb-2007	188,186.00	141.14
01-Aug-2007	188,186.00	141.14
01-Feb-2008	175,778.00	131.83
01-Aug-2008	175,778.00	131.83
01-Feb-2009	163,053.00	122.29
01-Aug-2009	163,053.00	122.29
01-Feb-2010	150,000.00	112.50
01-Aug-2010	150,000.00	112.50
01-Feb-2011	135,000.00	101.25
01-Aug-2011	135,000.00	101.25
01-Feb-2012	120,000.00	90.00
01-Aug-2012	120,000.00	90.00
01-Feb-2013	105,000.00	78.75
01-Aug-2013	105,000.00	78.75
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>\$4,418.47</u>

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Series 7

SCHEDULE C

Ayer
97-1132
Final Structuring Analysis

Schedule of Loan Repayments

Initial Loan Obligation:			66,247.67		Loan Subsidy Amounts					
Date	Scheduled Loan Repayments			Equity Earnings	Contract Assistance Payments		Total	Net Loan Repayments		
	Principal	Interest	Total					Principal	Interest	Total
24-Jul-03										
2/1/2004	3,685.19	1,583.30	5,268.49	766.87	816.43	1,583.30	3,685.19	-	3,685.19	
8/1/2004	-	1,522.59	1,522.59	724.29	798.30	1,522.59	-	0.00	0.00	
2/1/2005	3,685.19	1,522.59	5,207.78	724.29	798.30	1,522.59	3,685.19	0.00	3,685.19	
8/1/2005	-	1,458.04	1,458.04	681.58	776.46	1,458.04	-	0.00	0.00	
2/1/2006	3,685.19	1,458.04	5,143.23	681.58	776.46	1,458.04	3,685.19	0.00	3,685.19	
8/1/2006	-	1,384.28	1,384.28	638.88	745.40	1,384.28	-	0.00	0.00	
2/1/2007	3,685.19	1,384.28	5,069.47	638.88	745.40	1,384.28	3,685.19	0.00	3,685.19	
8/1/2007	-	1,310.66	1,310.66	596.30	714.36	1,310.66	-	0.00	0.00	
2/1/2008	3,685.19	1,310.66	4,995.85	596.30	714.36	1,310.66	3,685.19	0.00	3,685.19	
8/1/2008	-	1,236.86	1,236.86	553.59	683.27	1,236.86	(0.00)	-	(0.00)	
2/1/2009	3,685.19	1,236.86	4,922.05	553.59	683.27	1,236.86	3,685.19	-	3,685.19	
8/1/2009	-	1,140.25	1,140.25	511.01	629.24	1,140.25	-	0.00	0.00	
2/1/2010	3,685.19	1,140.25	4,825.44	511.01	629.24	1,140.25	3,685.19	0.00	3,685.19	
8/1/2010	-	1,043.49	1,043.49	468.31	575.18	1,043.49	-	0.00	0.00	
2/1/2011	3,604.63	1,043.49	4,648.12	468.31	575.18	1,043.49	3,604.63	0.00	3,604.63	
8/1/2011	-	953.33	953.33	426.59	526.74	953.33	-	0.00	0.00	
2/1/2012	3,677.16	953.33	4,630.49	426.59	526.74	953.33	3,677.16	0.00	3,677.16	
8/1/2012	-	856.88	856.88	384.00	472.88	856.88	-	0.00	0.00	
2/1/2013	3,677.16	856.88	4,534.04	384.00	472.88	856.88	3,677.16	0.00	3,677.16	
8/1/2013	-	760.29	760.29	341.41	418.88	760.29	-	0.00	0.00	
2/1/2014	3,677.16	760.29	4,437.45	341.41	418.88	760.29	3,677.16	0.00	3,677.16	
8/1/2014	-	663.73	663.73	298.84	364.89	663.73	-	0.00	0.00	
2/1/2015	3,677.16	663.73	4,340.89	298.84	364.89	663.73	3,677.16	0.00	3,677.16	
8/1/2015	-	567.25	567.25	256.26	310.99	567.25	(0.00)	-	(0.00)	
2/1/2016	3,677.16	567.25	4,244.41	256.26	310.99	567.25	3,677.16	-	3,677.16	
8/1/2016	-	470.69	470.69	213.67	257.02	470.69	-	0.00	0.00	
2/1/2017	3,677.16	470.69	4,147.85	213.67	257.02	470.69	3,677.16	0.00	3,677.16	
8/1/2017	-	374.24	374.24	171.21	203.03	374.24	(0.00)	-	(0.00)	
2/1/2018	3,677.16	374.24	4,051.40	171.21	203.03	374.24	3,677.16	-	3,677.16	
8/1/2018	-	277.66	277.66	128.61	149.05	277.66	(0.00)	-	(0.00)	
2/1/2019	3,677.16	277.66	3,954.82	128.61	149.05	277.66	3,677.16	-	3,677.16	
8/1/2019	-	185.76	185.76	86.03	99.73	185.76	-	0.00	0.00	
2/1/2020	3,677.16	185.76	3,862.92	86.03	99.73	185.76	3,677.16	0.00	3,677.16	
8/1/2020	-	93.85	93.85	43.43	50.42	93.85	-	0.00	0.00	
2/1/2021	3,752.27	93.85	3,846.12	43.43	50.42	93.85	3,752.27	0.00	3,752.27	
8/1/2021	-	-	-	-	-	-	-	-	-	
2/1/2022	-	-	-	-	-	-	-	-	-	
8/1/2022	-	-	-	-	-	-	-	-	-	
	66,247.67	30,183.00	96,430.67	13,814.89	16,368.11	30,183.00	66,247.67	0.00	66,247.67	

Massachusetts Clean Water Trust
Series 24
AYER Loan Amortization
DWP-20-04

Loan Amount Approved	6,052,983.00	Loan Origination Fee (\$0.00/1000)	0.00
Loan Forgiveness*	798,994.00	Loan Term (in years)	20
Amount to be Financed	5,253,989.00	Loan Rate	0.00%
		Closing Date	12/14/2022
		First Interest Payment	7/15/2023
		First Principal Payment	1/15/2024

Date	Principal	Interest	Total Payments	Admin Fee (0.15%)	Loan Origination Fee	Total Payments	Total Annual Payments
12/14/2022							
7/15/2023				4,619.13	4,619.13		
1/15/2024	262,700.00		262,700.00	3,940.49	266,640.49		271,259.62
7/15/2024				3,743.47	3,743.47		
1/15/2025	262,700.00		262,700.00	3,743.47	266,443.47		270,186.93
7/15/2025				3,546.44	3,546.44		
1/15/2026	262,700.00		262,700.00	3,546.44	266,246.44		269,792.88
7/15/2026				3,349.42	3,349.42		
1/15/2027	262,700.00		262,700.00	3,349.42	266,049.42		269,398.83
7/15/2027				3,152.39	3,152.39		
1/15/2028	262,700.00		262,700.00	3,152.39	265,852.39		269,004.78
7/15/2028				2,955.37	2,955.37		
1/15/2029	262,700.00		262,700.00	2,955.37	265,655.37		268,610.73
7/15/2029				2,758.34	2,758.34		
1/15/2030	262,700.00		262,700.00	2,758.34	265,458.34		268,216.68
7/15/2030				2,561.32	2,561.32		
1/15/2031	262,700.00		262,700.00	2,561.32	265,261.32		267,822.63
7/15/2031				2,364.29	2,364.29		
1/15/2032	262,700.00		262,700.00	2,364.29	265,064.29		267,428.58
7/15/2032				2,167.27	2,167.27		
1/15/2033	262,699.00		262,699.00	2,167.27	264,866.27		267,033.53
7/15/2033				1,970.24	1,970.24		
1/15/2034	262,699.00		262,699.00	1,970.24	264,669.24		266,639.49
7/15/2034				1,773.22	1,773.22		
1/15/2035	262,699.00		262,699.00	1,773.22	264,472.22		266,245.44
7/15/2035				1,576.19	1,576.19		
1/15/2036	262,699.00		262,699.00	1,576.19	264,275.19		265,851.39
7/15/2036				1,379.17	1,379.17		
1/15/2037	262,699.00		262,699.00	1,379.17	264,078.17		265,457.34
7/15/2037				1,182.15	1,182.15		
1/15/2038	262,699.00		262,699.00	1,182.15	263,881.15		265,063.29
7/15/2038				985.12	985.12		
1/15/2039	262,699.00		262,699.00	985.12	263,684.12		264,669.24
7/15/2039				788.10	788.10		
1/15/2040	262,699.00		262,699.00	788.10	263,487.10		264,275.19
7/15/2040				591.07	591.07		
1/15/2041	262,699.00		262,699.00	591.07	263,290.07		263,881.15
7/15/2041				394.05	394.05		
1/15/2042	262,699.00		262,699.00	394.05	263,093.05		263,487.10
7/15/2042				197.02	197.02		
1/15/2043	262,699.00		262,699.00	197.02	262,896.02		263,093.05
7/15/2043							
	5,253,989.00		5,253,989.00	83,428.89	5,337,417.89		5,337,417.89

Notes:

*This project qualifies for loan forgiveness in accordance with schedule B to the Loan Agreement.