Appendix B

Cost Summary Worksheet

Bodkin Point Area (# 1)

MA	OSDS Converted	Connections	Consistent?	Construction Cost	Cost per OSDS; excl. FM	Direct FM (LF)	Direct FM Cost ($)	Shared Trunk FM ($)	Total Cost per connection; incl. FM	# grinders	% grinder	Gravity Sewer (LF)	Low Pressure FM (LF)	# New SPS	Combined SPS Flow?	# TN Removed per year	Cost / TN Removed ($ / # TN per year)
MA 178-1	230	257	OK	$ 7,886,017	$ 30,685	1847	$ 347,914	$ 331,828	$ 33,330	142	55%	6657	9551	1		3,516	$ 2,436.43
MA 178-2	131	174	OK	$ 4,509,565	$ 25,917	1343	$ 252,946	$ 530,001	$ 30,417	29	17%	6522	3400	1		2,051	$ 2,580.78
MA 178-3	229	275	OK	$ 7,893,201	$ 28,703	4281	$ 806,432	$ 837,645	$ 34,681	142	52%	6249	10140	1		3,958	$ 2,409.34
MA 178-4	91	150	OK	$ 6,214,781	$ 41,432	-	$ -	$ 174,301	$ 42,594	6	4%	7319	761	1	YES	1,551	$ 4,120.10
MA 173-1	140	218	OK	$ 5,066,032	$ 23,239	7069	$ 1,157,973	$ 292,029	$ 29,890	60	28%	4948	5190	1		2,524	$ 2,581.80
MA 173-2	284	329	OK	$ 11,040,415	$ 33,557	3186	$ 599,937	$ 440,723	$ 36,721	198	60%	11391	14261	1		4,993	$ 2,419.51
MA 172-1	179	201	OK	$ 10,266,822	$ 51,079	-	$ -	$ 141,962	$ 51,785	24	12%	14938	2720	1	YES	2,073	$ 5,022.21
MA 172-2	254	256	OK	$ 11,613,898	$ 45,367	-	$ -	$ 92,507	$ 45,728	60	23%	15577	6008	1	YES	1,796	$ 6,517.32
MA 172-3	317	342	OK	$ 11,692,581	$ 34,189	3042	$ 573,034	$ 75,677	$ 36,086	61	18%	19853	3548	1		3,090	$ 3,993.79
MA 172-4	492	529	OK	$ 19,151,779	$ 36,204	5898	$ 282,396	$ 358,418	$ 37,415	212	40%	27655	13732	1		5,869	$ 3,372.39
MA 572-1	183	194	OK	$ 7,097,840	$ 36,587	2974	$ 487,154	$ 57,694	$ 39,395	126	65%	5166	13432	1		3,000	$ 2,547.59
MA 572-2	528	651	OK	$ 16,493,697	$ 25,336	5872	$ 771,176	$ 193,602	$ 26,818	40	6%	28172	9778	1	YES	5,467	$ 3,193.57
MA 572-3	396	418	OK	$ 13,636,399	$ 32,623	2536	$ 121,408	$ 533,535	$ 34,190	124	30%	19532	9571	1		5,676	$ 2,517.88
MA 572-4	321	373	OK	$ 11,456,435	$ 30,714	3292	$ 620,142	$ 476,097	$ 33,653	46	12%	20456	6096	1		4,490	$ 2,795.40
MA 572-5	378	409	OK	$ 13,249,570	$ 32,395	2143	$ 102,586	$ 514,071	$ 33,903	218	53%	11446	13355	1		6,354	$ 2,182.12
MA 565-1	117	137	OK	$ 3,985,869	$ 29,094	4009	$ 656,716	$ 355,996	$ 36,486	32	23%	5629	2952	1		1,595	$ 3,133.09
MA 565-2	74	89	OK	$ 2,708,371	$ 30,431	1709	$ 279,978	$ 231,268	$ 36,175	9	10%	4578	400	1		1,087	$ 2,962.58
MA 565-3	100	147	OK	$ 4,109,376	$ 27,955	1105	$ 181,062	$ 263,023	$ 30,976	3	2%	9115	317	1		1,126	$ 4,044.79
MA 565-4	103	126	OK	$ 4,077,920	$ 32,364	3421	$ 560,415	$ 407,303	$ 40,045	0	0%	9742	0	1		1,579	$ 3,194.74
MA 565-5	218	288	OK	$ 7,280,907	$ 25,281	2438	$ 399,389	$ 930,978	$ 29,900	0	0%	15057	1639	1		2,765	$ 3,114.20
MA 566-1	134	153	OK	$ 4,484,267	$ 29,309	5377	$ 880,815	$ 298,611	$ 37,018	8	5%	8831	1144	0		2,161	$ 2,620.83
~~Conveyance to Whitehurst SPS area~~																	
Whitehurst SPS area to Cattail Creek SPS				$ -	N/A		$ 11,000,000			N/A	N/A	N/A	N/A	N/A			
	4899	5,716		$ 183,915,742	$ 32,176	61,541	20,081,473	7,537,266	$ 37,007	1,540	27%	258,833	127,995	20		66,722	$ 3,170.40

Total Construction Cost $ 211,534,481

Cost per OSDS, excl. FM		Total Cost per OSDS	
average	$ 32,498	average	$ 36,057
median	$ 30,714	median	$ 36,086

Upper Broadneck Areas (#2)

MA	OSDS Converted	Connections	Consistent?	Construction Cost	Cost per OSDS; excl. FM	Direct FM (LF)	Direct FM Cost ($)	Shared Trunk FM ($)	Cost per connection; incl. FM	# grinders	% grinder	Gravity Sewer (LF)	Low Pressure FM (LF)	# New SPS	Combined SPS Flow?	# TN Removed per year	Cost / TN Removed ($ / # TN per year)
																	#DIV/0!
MA 577b-1	478	784	OK	$ 16,675,593	$ 21,270	2342	$ 112,135	$ 181,687	$ 21,645	145	18%	18894	11110	1		7,541	$ 2,250.35
MA 577b-2	318	578	OK	$ 13,145,491	$ 22,743	1457	$ 274,546	$ 133,948	$ 23,450	147	25%	13941	13473	1		4,589	$ 2,953.51
MA 577b-3	199	368	OK	$ 9,122,116	$ 24,788	4333	$ 709,791	$ 85,282	$ 26,949	43	12%	14907	3275	1		3,460	$ 2,866.00
MA 571-1	499	540	OK	$ 16,903,479	$ 31,303	5089	$ 958,677	$ -	$ 33,078	3	1%	41126	456	1		3,303	$ 5,407.23
MA 571-2	84	79	CHECK	$ 2,743,876	$ 34,733	2641	$ 432,624	$ -	$ 40,209	0	0%	5534	0	1		457	$ 6,945.29
MA 571-3	80	80	OK	$ 2,852,181	$ 35,652	1332	$ 218,196	$ -	$ 38,380	0	0%	5655	0	1		717	$ 4,279.39
MA 571-4	85	89	OK	$ 2,189,805	$ 24,605	-	$ -	$ -	$ 24,605	0	0%	5177	0	0		574	$ 3,814.62
MA 571-5	45	47	OK	$ 1,121,359	$ 23,859	-	$ -	$ -	$ 23,859	0	0%	2501	0	0		491	$ 2,285.13
MA 571-6	30	35	OK	$ 1,289,173	$ 36,834	-	$ -	$ -	$ 36,834	21	60%	1980	2064	0		331	$ 3,899.49
MA 571-7	17	20	OK	$ 569,619	$ 28,481	-	$ -	$ -	$ 28,481			0	1156				
MA 571-9	3	7	OK	$ 165,797	$ 23,685	-	$ -	$ -	$ 23,685	0	0%	522	0	0		46	$ 3,582.48
MA 571-10	36	32	CHECK	$ 855,687	$ 26,740	-	$ -	$ -	$ 26,740	0	0%	1824	0	0		141	$ 6,084.24
MA 571-11	25	25	OK	$ 739,544	$ 29,582	-	$ -	$ -	$ 29,582	0	0%	1894	0	0		215	$ 3,439.74
MA 571-12	70	70	OK	$ 2,202,956	$ 31,471	-	$ -	$ -	$ 31,471	0	0%	5699	0	0		598	$ 3,685.60
MA 571-13	32	35	OK	$ 958,287	$ 27,380	-	$ -	$ -	$ 27,380	7	20%	1926	441	0		345	$ 2,779.25
MA 571-14	28	29	OK	$ 677,041	$ 23,346	-	$ -	$ -	$ 23,346	0	0%	1510	0	0		366	$ 1,849.43
MA 570-1	579	609	OK	$ 17,443,403	$ 28,643	3392	$ 638,992	$ 214,012	$ 30,043	88	14%	30880	3675	1		7,081	$ 2,584.01
MA 570-2	179	196	OK	$ 6,026,166	$ 30,746	3497	$ 572,845	$ 97,194	$ 34,164	22	11%	12500	1350	1		1,915	$ 3,497.53
MA 570-3	139	196	OK	$ 4,981,989	$ 25,418	2502	$ 409,854	$ 165,253	$ 28,353	21	11%	9180	3205	1		1,501	$ 3,701.37
MA 570-4	322	364	OK	$ 10,123,676	$ 27,813	4510	$ 738,788	$ -	$ 29,842	54	15%	17664	2885	1		3,320	$ 3,272.20
MA 570-6	29	34	OK	$ 913,597	$ 26,871	-	$ -	$ -	$ 26,871	0	0%	2361	0	0		143	$ 6,403.12
MA 570-7	15	17	OK	$ 491,615	$ 28,919	-	$ -	$ -	$ 28,919	0	0%	1365	0	0		129	$ 3,810.97
MA 570-8	224	265	OK	$ 7,337,997	$ 27,691	117	$ 19,166	$ 56,822	$ 27,977	0	0%	17551	0	1		2,310	$ 3,210.07
MA 570-9	18	19	OK	$ 437,484	$ 23,025	-	$ -	$ -	$ 23,025	0	0%	1026	0	0		127	$ 3,445.84
MA 179-1	24	30	OK	$ 1,401,002	$ 46,700	-	$ -	$ -	$ 46,700	24	80%	0	2848	0		339	$ 4,132.85
MA 179-2	486	564	OK	$ 15,874,360	$ 28,146	1218	$ 229,449	$ 635,230	$ 29,679	43	8%	32939	1000	1		5,135	$ 3,259.77
MA 179-3	591	642	OK	$ 19,732,599	$ 30,736	3939	$ 742,037	$ 723,081	$ 33,018	153	24%	27873	7549	1		7,584	$ 2,794.89
MA 179-4	32	44	OK	$ 2,552,012	$ 58,000	1102	$ 207,597	$ 66,576	$ 64,231	8	18%	4621	197	1		636	$ 4,446.88
MA 179-5	154	183	OK	$ 6,258,705	$ 34,201	1857	$ 349,826	$ 350,589	$ 38,028	55	30%	10050	1127	1		2,176	$ 3,197.77
MA 179-6	156	170	OK	$ 6,383,960	$ 37,553	1127	$ 212,307	$ 325,684	$ 40,717	35	21%	12804	1798	1		2,356	$ 2,937.86
MA 179-7	95	103	OK	$ 4,223,711	$ 41,007	3821	$ 719,808	$ 180,953	$ 49,752	9	9%	7178	0	1		966	$ 5,306.73
MA 39-1	898	993	OK	$ 32,559,813	$ 32,789	3387	$ 444,808	$ 837,226	$ 34,080	10	1%	83326	545	1		8,923	$ 3,792.72
MA 577a-1	213	233	OK	$ 6,633,987	$ 28,472	3461	$ 566,948	$ 248,834	$ 31,973	11	5%	10770	0	1		2,740	$ 2,718.40
MA 577a-2	395	426	OK	$ 11,350,433	$ 26,644	3153	$ 593,969	$ 454,950	$ 29,106	45	11%	17525	1820	1		5,861	$ 2,115.59
MA 577a-3	142	144	OK	$ 6,569,443	$ 45,621	0	$ -	$ 24,037	$ 45,788	3	2%	7759	0	1		2,097	$ 3,144.36
MA 577a-4	152	176	OK	$ 5,372,748	$ 30,527	3671	$ 601,349	$ 29,379	$ 34,111	33	19%	7219	2828	1		2,382	$ 2,520.01
	Part of MA 39-1	MA 569															
	Part of MA 39-1	MA 225															
		8,226		*$ 238,880,904*	$ 29,040	*57,948*	*9,753,709*	*4,810,740*	$ 30,810	*980*	*12%*	*437,681*	*62,802*	*22*		*80,894*	*$ 3,133.04*

Total Construction Cost $ 253,445,352

Cost per OSDS, excl. FM		Total Cost per OSDS	
average	$ 30,722	average	$ 32,391
median	$ 28,562	median	$ 29,761

Lower Broadneck Phase I Areas (# 3)

MA	OSDS Converted	Connection	Consistent?	Construction Cost	Cost per OSDS; excl. FM	Direct FM (LF)	Direct FM Cost ($)	Shared Trunk FM ($)	Cost per connection; incl. FM	# grinders	% grinder	Gravity Sewer (LF)	Low Pressure (LF)	# New SPS	Combined SPS Flow?	# TN Removed per year	Cost / TN Removed ($ / # TN per year)
MA 59-1	179	195	OK	$ 5,888,118	$ 30,195	-	$ -	$ -	$ 30,195	87	45%	8851	4820	0		1,556	$ 3,785
MA 59-2	224	245	OK	$ 7,561,011	$ 30,861	-	$ -	$ -	$ 30,861	104	42%	12032	5615	0		2,096	$ 3,607
MA 59-3	319	348	OK	$ 14,068,087	$ 40,426	1,870	$ 352,275	$ 217,738	$ 42,064	77	22%	27659	3107	1		3,641	$ 4,020
MA 59-4	358	444	OK	$ 13,810,491	$ 31,105	5,660	$ 1,066,243	$ 277,803	$ 34,132	214	48%	16729	7806	1		5,424	$ 2,794
MA 272-1	98	106	OK	$ 4,994,033	$ 47,114	5,065	$ 829,700	$ 77,607	$ 55,673	50	47%	9307	3631	1		1,450	$ 4,069
MA 272-2	59	81	OK	$ 2,221,684	$ 27,428	-	$ -	$ -	$ 27,428	47	58%	2623	1551	0		943	$ 2,356
MA 367-1	109	122	OK	$ 3,725,246	$ 30,535	3,210	$ 525,832	$ -	$ 34,845	72	59%	987	6822	0		1,571	$ 2,706
MA 370-1	17	17	OK	$ 840,361	$ 49,433	-	$ -	$ 10,637	$ 50,059	17	100%	0	4473	0		204	$ 4,167
MA 371-1	87	93	OK	$ 4,019,764	$ 43,223	1,830	$ 299,773	$ 68,089	$ 47,179	13	14%	7054	0	1		1,001	$ 4,382
MA 372-1	58	58	OK	$ 3,144,703	$ 54,219	2,890	$ 473,412	$ 42,464	$ 63,113	30	52%	7369	2664	1	YES	870	$ 4,206
MA 575-1	161	170	OK	$ 5,567,216	$ 32,748	2,080	$ 340,726	$ 446,994	$ 37,382	75	44%	7709	2151	1		2,256	$ 2,816
MA 575-2	93	95	OK	$ 3,943,200	$ 41,507	1,230	$ 201,487	$ 249,791	$ 46,258	59	62%	5310	2318	1		1,363	$ 3,225
MA 575-3	120	123	OK	$ 5,069,811	$ 41,216	3,130	$ 512,727	$ 7,093	$ 45,443	8	7%	12580	0	1		1,426	$ 3,920
MA 575-4	59	66	OK	$ 2,105,181	$ 31,897	-	$ -	$ -	$ 31,897	59	89%	0	4950	0		1,130	$ 1,864
MA 575-5	124	124	OK	$ 4,421,313	$ 35,656	2,126	$ 348,261	$ 88,314	$ 39,177	47	38%	7402	0	1		1,731	$ 2,806
MA 575-6	80	81	OK	$ 2,542,274	$ 31,386	-	$ -	$ -	$ 31,386	9	11%	5433	371	0		669	$ 3,798
MA 575-7	7	7	OK	$ 265,087	$ 37,870	-	$ -	$ -	$ 37,870	3	43%	578	0	0		60	$ 4,403
		2,375		$ 84,187,380	$ 35,447	29,091	4,950,436	1,486,528	$ 38,158	971	41%	131,623	50,279	9		27,392	$ 3,308.44

Total Construction Cost $ 90,624,344

Cost per OSDS, excl. FM		Total Cost per OSDS	
average	$ 37,460	average	$ 40,292
median	$ 35,656	median	$ 37,870

Lower Broadneck Phase II Areas (# 3)

MA	OSDS Converted	Connection	Consistent?	Construction Cost	Cost per OSDS; excl. FM	Direct FM (LF)	Direct FM Cost ($)	Shared Trunk FM ($)	Cost per connection; incl. FM	# grinders	% grinder	Gravity Sewer (LF)	Low Pressure (LF)	# New SPS	Combined SPS Flow?	# TN Removed per year	Cost / TN Removed ($ / # TN per year)
MA 61-1	87	94	OK	$ 3,384,412	$ 36,004	3677	$ 602,331	$ -	$ 42,412	87	93%	0	6301	0		1,404	$ 2,840.55
MA 70-1	78	88	OK	$ 5,985,444	$ 68,016	1074	$ 175,933	$ 55,060	$ 70,641	21	24%	8482	1291	1		815	$ 7,627.53
MA 70-2	5	6	OK	$ 259,615	$ 43,269	-	$ -	$ 3,754	$ 43,895	5	83%	0	1705	0		151	$ 1,740.02
MA 184-1	130	147	OK	$ 5,160,555	$ 35,106	5158	$ 844,935	$ 91,975	$ 41,479	67	46%	6735	4758	1		2,188	$ 2,786.26
MA 184-2	140	157	OK	$ 6,093,717	$ 38,813	2484	$ 467,941	$ 98,232	$ 42,420	79	50%	6220	5643	1		1,637	$ 4,067.62
MA 184-3	322	366	OK	$ 11,771,710	$ 32,163	3281	$ 618,082	$ 229,000	$ 34,478	155	42%	9270	18745	1		4,390	$ 2,874.35
MA 270-1	19	20	OK	$ 603,196	$ 30,160	-	$ -	$ -	$ 30,160	0	0%	1667	0	0		200	$ 3,023.24
MA 270-2	19	37	OK	$ 791,199	$ 21,384	-	$ -	$ -	$ 21,384	4	11%	1738	297	0		209	$ 3,782.17
MA 270-3	6	10	OK	$ 273,473	$ 27,347	-	$ -	$ -	$ 27,347	6	60%	0	1250	0		109	$ 2,510.77
MA 270-4	4	8	OK	$ 199,324	$ 24,916	-	$ -	$ -	$ 24,916	4	50%	0	960	0		30	$ 6,697.72
MA 270-5	4	8	OK	$ 174,911	$ 21,864	-	$ -	$ -	$ 21,864	5	63%	0	520	0		26	$ 6,779.50
MA 270-6	7	11	OK	$ 664,687	$ 60,426	-	$ -	$ -	$ 60,426	0	0%	980	0	0		97	$ 6,829.91
MA 270-7	5	6	OK	$ 142,133	$ 23,689	-	$ -	$ -	$ 23,689	5	83%	0	5	0		143	$ 995.61
MA 360-1	3	3	OK	$ 233,289	$ 77,763	-	$ -	$ -	$ 77,763	0	0%	817	0	0		26	$ 9,042.21
MA 360-2	38	41	OK	$ 1,227,631	$ 29,942	-	$ -	$ -	$ 29,942	38	93%	0	2813	0		536	$ 2,292.07
MA 373-1	49	55	OK	$ 1,857,667	$ 33,776	-	$ -	$ 34,413	$ 34,401	39	71%	1696	2550	0		401	$ 4,720.76
MA 482-1	87	90	OK	$ 3,240,082	$ 36,001	2561	$ 419,619	$ 41,634	$ 41,125	28	31%	4908	762	1		1,484	$ 2,493.38
MA 482-2	90	98	OK	$ 3,735,951	$ 38,122	3812	$ 718,113	$ 45,334	$ 45,912	39	40%	5545	1965	1	YES	1,512	$ 2,974.94
MA 579-1	203	214	OK	$ 8,108,590	$ 37,891	8432	$ 1,588,438	$ 98,995	$ 45,776	199	93%	1247	15543	1		2,813	$ 3,482.76
MA 579-2	87	105	OK	$ 2,851,258	$ 27,155	-	$ -	$ 48,573	$ 27,617	87	83%	0	5633	0		1,404	$ 2,066.12
		1,564		$ 56,758,844		0	5,435,292	746,970	$ 40,244	868	55%	49,305	70,841	7		19,574	$ 3,215.50

Total Construction Cost $ 52,941,106

Cost per OSDS, excl. FM		Total Cost per OSDS	
average	$ 37,190	average	$ 39,382
median	$ 34,441	median	$ 37,801

Annapolis Areas (#4)

MA	OSDS Converted	Connection	Consistent?	Construction Cost	Cost per OSDS; excl. FM	Direct FM (LF)	Direct FM Cost ($)	Shared Trunk FM ($)	Cost per connection; incl. FM	# grinders	% grinder	Gravity Sewer (LF)	Low Pressure (LF)	# New SPS	Combined SPS Flow?	# TN Removed per year	Cost / TN Removed ($ / # TN per year)
MA 114-1	184	221	OK	$ 783,574	$ 3,546	4023	$ 659,010	$ -	$ 6,528	180	81%	3508	16577	1		2868.112	$ 502.97
MA 303-1	40	93	OK	$ 2,644,188	$ 28,432	1682	$ 275,529	$ -	$ 31,395	39	42%	2861	1710	1		739.184	$ 3,949.92
MA 303-2	64	87	OK	$ 2,631,337	$ 30,245	-	$ -	$ -	$ 30,245			3667	3340			649.16	
MA 339-1	10	14	OK	$ 591,751	$ 42,268	-	$ -	$ -	$ 42,268	0	0%	1706	0	0		302.72	$ 1,954.78
MA 339-2	2	2	OK	$ 103,366	$ 51,683	-	$ -	$ -	$ 51,683			225	0			89.44	
MA 339-3	44	55	OK	$ 1,417,719	$ 25,777	-	$ -	$ -	$ 25,777			3242	0			334.04	
MA 348-1	79	84	OK	$ 2,746,358	$ 32,695	-	$ -	$ -	$ 32,695	84	100%	0	6884	0		1216.64	$ 2,257.33
MA 388-1	9	17	OK	$ 387,154	$ 22,774	-	$ -	$ -	$ 22,774	37	218%	261	235	0		77.4	$ 5,001.99
MA 388-2	45	47	OK	$ 1,562,808	$ 33,251	-	$ -	$ -	$ 33,251	34	72%	1553	2065			459.24	
MA 421-1	118	142	OK	$ 4,959,986	$ 34,929	4831	$ 791,369	$ 58,881	$ 40,917	86	61%	4516	6346	2		1952.152	$ 2,976.32
MA 421-2	342	321	CHECK	$ 9,340,786	$ 29,099	-	$ -	$ 133,105	$ 29,514	47	15%	16458	4778			4070.84	
MA 422-1	337	326	CHECK	$ 9,920,739	$ 30,432	-	$ -	$ -	$ 30,432	44	13%	21247	2510	0		3056.44	$ 3,245.85
MA 423-1	255	263	OK	$ 10,016,341	$ 38,085	145	$ 23,753	$ -	$ 38,175	110	42%	11753	8607	1		2646.68	$ 3,793.47
MA 424-1	216	403	OK	$ 10,716,627	$ 26,592	792	$ 129,738	$ -	$ 26,914	90	22%	12749	6310	1		2866.8	$ 3,783.44
			Sylvan Shores (MA - 424-1)														
			Sylvan Shores (MA - 424-2)														
MA 425-1	164	183	OK	$ 4,924,887	$ 26,912	3782	$ 619,531	$ -	$ 30,297	0	0%	9618	0	1		2374.64	$ 2,334.85
MA 425-2	61	76	OK	$ 2,993,815	$ 39,392	-	$ -	$ -	$ 39,392	74	97%	2481	4984			1265.392	
MA 426-1	157	176	OK	$ 4,646,634	$ 26,401	2122	$ 347,606	$ -	$ 28,376	16	9%	7168	891	1		2326.776	$ 2,146.42
MA 426-2	117	129	OK	$ 4,392,345	$ 34,049	-	$ -	$ -	$ 34,049	95	74%	4169	6658			1366.512	
MA 441-1	24	30	OK	$ 2,241,617	$ 74,721	1076	$ 176,260	$ -	$ 80,596	4	13%	4144	357	1		980.28	$ 2,466.52
MA 516-1	62	63	OK	$ 2,217,613	$ 35,200	-	$ -	$ -	$ 35,200	63	100%	0	7436	0		889.48	$ 2,493.16
MA 516-2	31	47	OK	$ 1,129,959	$ 24,042	-	$ -	$ -	$ 24,042			2420	0			374.96	
MA 516-3	8	9	OK	$ 246,708	$ 27,412	-	$ -	$ -	$ 27,412			570	0			249.4	
MA 683-1	13	45	OK	$ 1,628,145	$ 36,181	-	$ -	$ -	$ 36,181	45	100%	0	5946	0		270.272	$ 6,024.10
		2,833		*$ 82,244,457*		*18,453*	*0*		$ 29,031	*1048*	*37%*	*114,316*	*85,643*	*9*		*31,427*	*$ 2,617.04*

Total Construction Cost $ 82,244,457

Cost per OSDS, excl. FM		Total Cost per OSDS	
average	$ 32,788	average	$ 33,831
median	$ 30,432	median	$ 31,395

Priority Management Area 5

MA	OSDS Converted	Connection	Consistent?	Construction Cost	Cost per OSDS; excl. FM	Direct FM (LF)	Direct FM Cost ($)	Shared Trunk FM ($)	Cost per connection; incl. FM	# grinders	% grinder	Gravity Sewer (LF)	Low Pressure (LF)	# New SPS	Combined SPS Flow?	# TN Removed per year	Cost / TN Removed ($ / # TN per year)
MA 307-1	37	49	OK	$ 1,714,026	$ 34,980	730	$ 119,582	$ 18,014	$ 37,788	0	0%	2324	0	1		560.16	$ 3,306
MA 307-2	114	165	OK	$ 4,139,367	$ 25,087	2029	$ 332,372	$ 115,622	$ 27,802	23	14%	7171	1083	1		1789.4	$ 2,564
MA 307-3	111	170	OK	$ 4,210,863	$ 24,770	1995	$ 326,802	$ 34,336	$ 26,894	67	39%	4049	3545	1		1666.56	$ 2,743
MA 578-1	343	376	OK	$ 11,938,648	$ 31,752	0			$ 31,752	347	92%	0	32635	0		5497.672	$ 2,172
		760		*$ 22,002,904*		*4,754*	*778,756*			*437*	*58%*	*13,544*	*37,263*	*3*		*9,514*	*$ 2,394.59*

Total Construction Cost $ 22,781,660

Cost per OSDS, excl. FM		Total Cost per OSDS	
average	$ 29,147	average	$ 31,059
median	$ 28,419	median	$ 29,777

Priority Management Area 6

MA	OSDS Converted	Connection	Consistent?	Construction Cost	Cost per OSDS; excl. FM	Direct FM (LF)	Direct FM Cost ($)	Shared Trunk FM ($)	Cost per connection; incl. FM	# grinders	% grinder	Gravity Sewer (LF)	Low Pressure (LF)	# New SPS	Combined SPS Flow?	# TN Removed per year	Cost / TN Removed ($ / # TN per year)
MA 568-1	94	100	OK	$ 3,252,653	$ 32,527	2795	$ 457,850	$ -	$ 37,105	17	17%	5260	1130	1		683.12	$ 5,432
MA 568-2	460	550	OK	$ 16,127,079	$ 29,322	-	$ -	$ -	$ 29,322	117	21%	31280	10503	0		2296.696	$ 7,022
MA 568-3	102	127	OK	$ 2,910,173	$ 22,915	-	$ -	$ -	$ 22,915	0	0%	6461	0	0		658.8	$ 4,417
		777		$ 22,289,905		2,795	457,850		$ 29,276	134	17%	43,001	11,633	1		3,639	$ 6,251.76

Total Construction Cost $ 22,747,755

Cost per OSDS, excl. FM		Total Cost per OSDS	
average	$ 28,254	average	$ 29,781
median	$ 29,322	median	$ 29,322

Priority Management Area 7

MA	OSDS Converted	Connection	Consistent?	Construction Cost	Cost per OSDS; excl. FM	Direct FM (LF)	Direct FM Cost ($)	Shared Trunk FM ($)	Cost per connection; incl. FM	# grinders	% grinder	Gravity Sewer (LF)	Low Pressure (LF)	# New SPS	Combined SPS Flow?	# TN Removed per year	Cost / TN Removed ($ / # TN per year)
MA 135-1	48	116	OK	$ 2,256,619	$ 19,454	3390	$ 555,318	$ -	$ 24,241	58	50%	0	4540	1		1262.92	$ 2,227
MA 135-2	30	87	OK	$ 2,183,437	$ 25,097	-	$ -	$ -	$ 25,097	36	41%	0	4539	0		809.12	$ 2,699
		87		$ 2,183,437		0	0			36	41%	0	4,539	0		809	$ 2,698.53

Total Construction Cost $ 2,183,437

Cost per OSDS, excl. FM		Total Cost per OSDS	
average	$ 25,097	average	$ 25,097
median	$ 25,097	median	$ 25,097

Priority Management Area 8

MA	OSDS Converted	Connection	Consistent?	Construction Cost	Cost per OSDS; excl. FM	Direct FM (LF)	Direct FM Cost ($)	Shared Trunk FM ($)	Cost per connection; incl. FM	# grinders	% grinder	Gravity Sewer (LF)	Low Pressure (LF)	# New SPS	Combined SPS Flow?	# TN Removed per year	Cost / TN Removed ($ / # TN per year)
MA 176-1	202	252	OK	$ 8,323,218	$ 33,029	2274	$ 372,505	$ -	$ 34,507	16	6%	19598	1121	1		1897.384	$ 4,583
MA 176-2	143	172	OK	$ 5,321,144	$ 30,937	-	$ -	$ -	$ 30,937	25	15%	12463	2064	0		1919.152	$ 2,773
MA 176-3	51	70	OK	$ 3,158,876	$ 45,127	-	$ -	$ -	$ 45,127	9	13%	9006	1140	0		619.2	$ 5,102
		494		$ 16,803,238		2,274	372,505			50	10%	41,067	4,325	1		4,436	$ 3,872.13

Total Construction Cost $ 17,175.743

Cost per OSDS, excl. FM		Total Cost per OSDS	
average	$ 36,364	average	$ 36,857
median	$ 33,029	median	$ 34,507

Priority Management Area 9

MA	OSDS Converted	Connection	Consistent?	Construction Cost	Cost per OSDS; excl. FM	Direct FM (LF)	Direct FM Cost ($)	Shared Trunk FM ($)	Cost per connection; incl. FM	# grinders	% grinder	Gravity Sewer (LF)	Low Pressure (LF)	# New SPS	Combined SPS Flow?	# TN Removed per year	Cost / TN Removed ($ / # TN per year)
MA 236-1	62	40	CHECK	$ 2,271,875	$ 56,797	-	$ -	$ -	$ 56,797	0	0%	6016	0	1		939.12	$ 2,419
		40		*$ 2,271,875*		*0*	*0*			*0*	*0%*	*6,016*	*0*	*1*		*939*	*$ 2,419.15*

Total Construction Cost $ 2,271,875

Cost per OSDS, excl. FM		Total Cost per OSDS	
average	$ 56,797	average	$ 56,797
median	$ 56,797	median	$ 56,797

Priority Management Area 10

MA	OSDS Converted	Connection	Consistent?	Construction Cost	Cost per OSDS; excl. FM	Direct FM (LF)	Direct FM Cost ($)	Shared Trunk FM ($)	Cost per connection; incl. FM	# grinders	% grinder	Gravity Sewer (LF)	Low Pressure (LF)	# New SPS	Combined SPS Flow?	# TN Removed per year	Cost / TN Removed ($ / # TN per year)
MA 428-1	281	289	OK	$ 8,463,877	$ 29,287	435	$ 71,258	$ -	$ 29,533	14	5%	18611	1045	1		2608.12	$ 3,273
		289		*$ 8,463,877*		*435*	*71,258*			*14*	*5%*	*18,611*	*1,045*	*1*		*2,608*	*$ 3,272.52*

Total Construction Cost $ 8,535,135

Cost per OSDS, excl. FM		Total Cost per OSDS	
average	$ 29,287	average	$ 29,533
median	$ 29,287	median	$ 29,533

Priority Management Area 11

MA	OSDS Converted	Connection	Consistent?	Construction Cost	Cost per OSDS; excl. FM	Direct FM (LF)	Direct FM Cost ($)	Shared Trunk FM ($)	Cost per connection; incl. FM	# grinders	% grinder	Gravity Sewer (LF)	Low Pressure (LF)	# New SPS	Combined SPS Flow?	# TN Removed per year	Cost / TN Removed ($ / # TN per year)
MA 473-1	175	207	OK	$ 6,477,957	$ 31,294	6175	$ 1,011,530	$ -	$ 36,181	49	24%	10652	3051	1		2673.16	$ 2,607
MA 473-2	122	133	OK	$ 3,638,764	$ 27,359	2486	$ 407,233	$ -	$ 30,421	0	0%	6317	0	1		1773.84	$ 2,281
		340		*$ 10,116,721*		*8,661*	*1,418,763*			*49*	*14%*	*16,969*	*3,051*	*2*		*4,647*	*$ 2,482.35*

Total Construction Cost $ 11,535,484

Cost per OSDS, excl. FM		Total Cost per OSDS	
average	$ 29,327	average	$ 33,301
median	$ 29,327	median	$ 33,301

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
299																		
300	Summary Statistics - OSDS Conversions																	
301																		
302		OSDS Converted	Connection	Consistent?	Construction Cost	Cost per OSDS; excl. FM	Total Direct FM (LF)	Direct FM Cost ($)	Shared Trunk FM ($)	Cost per connection; incl. FM	# grinders	% grinder	Total Gravity (LF)	Total LP FM (LF)	Total New SPS		# TN Removed per year	Cost / TN Removed ($ / # TN per year)
303			23,501		average	$ 33,360	185,952	N/A		$ 35,426	6,127	26%	1,130,966	459,416	76		252,600	N/A
304					median	$ 30,899				$ 33,492								
305	contract total		132		count	132		count		132								
306																		
307				Total Construction Cost		$ 788,020,829												
308																		
309																		

Existing Infrastructure Updgrades - Piping

Piping Section Node	Piping Section Node	Cost	Cost per OSDS; excl. FM	Direct FM (LF)	Direct FM Cost ($)	Shared Trunk FM ($)	Cost per connection; incl. FM	# grinders	% grinder	Gravity Sewer (LF)	Low Pressure (LF)	# New SPS	# TN Removed per year	Cost / TN Removed ($ / # TN per year)
11536	11537	$ 494,067	N/A	-						704				
7719	12460	$ 734,200	N/A	-						2674				
13409	7719	$ 369,577	N/A							1316				
15171	11489	$ 48,091	N/A							120				
2431	2429	$ 340,201	N/A							365				
17303	17311	$ 346,815	N/A							1311				
17312	17323	$ 395,527	N/A							1262				
		$ 2,728,478		*0*	*0*					*7,752*	*0*	*0*	*0*	*0*

Total Construction Cost $ 2,728,478

Cost per OSDS, excl. FM		Total Cost per OSDS	
average		average	
median		median	

Existing Infrastructure Updgrades - Pumping Stations

Existing SPS	No. of OSDS	Cost	Cost per OSDS; excl. FM	Direct FM (LF)	Direct FM Cost ($)	Shared Trunk FM ($)	Cost per connection; incl. FM	# grinders	% grinder	Gravity Sewer (LF)	Low Pressure (LF)	# New SPS	# TN Removed per year	Cost / TN Removed ($ / # TN per year)
Bay Hill SPS		$ 2,500,000												
Ulmstead SPS		$ 2,000,000												
Mill Creek SPS		$ 4,000,000												
Cayuga Farms SPS		$ 1,500,000												
		$ 10,000,000		*0*	*0*			*0*	*#DIV/0!*	*0*	*0*	*0*	*0*	*0*

Total Construction Cost $ 10,000,000

Cost per OSDS, excl. FM		Total Cost per OSDS	
average	#DIV/0!	average	#DIV/0!
median	#NUM!	median	#NUM!

Summary Statistics - Existing Infrastructure Upgrades

	All Areas	Cost per OSDS; excl. FM	Total Direct FM (LF)	Direct FM Cost ($)	Shared Trunk FM ($)	Cost per connection; incl. FM	# grinders	% grinder	Total Gravity (LF)	Total LP FM (LF)	Total New SPS	# TN Removed per year	Cost / TN Removed ($ / # TN per year)
	average	$ 3,074,198	#VALUE!	N/A					7,752	#VALUE!	#VALUE!	#VALUE!	N/A
	median	$ 31,105											
contract total 11	count	2		count									

Total Construction Cost $ 12,728,478

Cell: D6
Comment: ITROBI00:
VLOOK UP REF NOT BROKEN

Cell: E47
Comment: Maria Bulley:
There are more than 1 OSDS for some parcels

Cell: H74
Comment: ITROBI00:
Should be a individual FM cost for this PS
10" FM 3387 LF

Cell: H77
Comment: Maria Bulley:
No individual FM for MA5771-3

Cell: B101
Comment: Maria Bulley:
check sewer realignment

Cell: C105
Comment: Maria Bulley:
NUMBER OF PARCEL IS OFF???

Cell: E170
Comment: Maria Bulley:
Some parcels have more than 1 OSDS account

Cell: E171
Comment: Maria Bulley:
some parcels have more than 1 OSDS account

Cell: H196
Comment: Maria Bulley:
WHERE IS MA578?

Cell: C257
Comment: Maria Bulley:
one parcel has 43 OSDS accounts