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January 30, 2013

Ms. Luly Massaro, Clerk  
Rhode Island Public Utilities Commission  
89 Jefferson Boulevard  
Warwick, RI 02888

**Re: *City of Newport, Utilities Department, Water Division***  
***Docket 4355***

Dear Ms. Massaro:

Enclosed please find an original and nine (9) copies of the following documents:

1. Newport Water's Supplemental Response to the Portsmouth Water and Fire District's Second Set of Data Requests.

Please be advised that an electronic copy of these documents has been sent to the service list.

Thank you for your attention to this matter.

Sincerely,

  
Joseph A. Keough Jr.

JAK/kf  
Enclosure

STATE OF RHODE ISLAND  
PUBLIC UTILITIES COMMISSION  
DOCKET NO. 4355  
Response Of The City Of Newport,  
Utilities Division, Water Department  
To The Portsmouth Water and Fire District's  
Data Requests  
Set 2

PWFD 2-1: The attachment to Newport Water's response to PWPD 1-7 presents a listing of water assets that are used in HJS Schedule B-5.

- a) Why are no hydrants before 1981 listed?
- b) Does Newport contend there were no public fire hydrants in the system prior to 1981?
- c) If the 1981 listing of hydrants is intended to reflect all hydrants up to 1975, provide the basis for that conclusion and the calculations that support the entry.
- d) Please explain the three listings for the 6/30/2008 CDM water age study (two under Lawton Valley [#3326 and 3327] and one under storage [#3348]).
- e) Does Newport contend that its oldest meters only date back to 2004?
- f) Why are no water mains and gates listed prior to 1975?
- g) Does Newport contend there were no water mains and gates in the system prior to 1975?
- h) If the 1975 listing of water mains and gates is intended to reflect all water mains and gates up to 1975, provide the basis for that conclusion and the calculations that support the entry.
- i) Why do records for some assets go back well before 1975 while there are no records for mains, gates and hydrants prior to that year?

Response:

- a. A review of the asset listing used in the COS model and additional asset records maintained by Newport Water indicate that Newport may have to update and revise the asset listing used in the COS model. Newport Water is performing a reconciliation of its asset records and will supplement this response with the results of that reconciliation as soon as possible. Newport will attempt to address this issue in its rebuttal testimony; however, if the reconciliation is not complete prior to the deadline for Newport's rebuttal testimony, Newport will provide supplemental information before the deadline for surrebuttal testimony deadline for the Division and interveners.
- b. See the response to a.

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- c. See the response to a.
- d. See the response to a.
- e. See the response to a.
- f. See the response to a.
- g. See the response to a.
- h. See the response to a.
- i. See the response to a.

Prepared by: Harold Smith

Supplemental Response:

In my original response to PWFD 2-1 I stated that the asset listing used for the purpose of allocating capital revenue requirements in the COS model needed to be reconciled with other asset records in order to ensure the value of all system assets are taken into consideration when allocating capital costs. Analysis of the asset listing indicated that the values for hydrants and transmission and distribution pipe required adjustment such that older assets were taken into consideration.

Attachment A is the asset list originally used to determine the allocation of capital costs to functions. This listing does not include values for any Hydrants older than those installed in 1981 and the oldest listing for T&D pipe assets is for pipe installed in 1975. This is the same listing provided in response to PWFD 1-7.

Attachment B is a listing of public hydrants that were installed prior to 1981 that are still in service. Also shown on Attachment A is an estimated original cost for each of the in service hydrants that were installed prior to 1981. Since there are no records of the actual original cost of each of these hydrants we have estimated their original cost by applying an "Original Cost Factor" to the cost of a hydrant today. The Original Cost Factor was developed using the Handy-Whitman Index which is a historical index of water system equipment costs that shows historical costs of water system equipment relative to the cost of the same equipment today. The Original Cost Factor is developed by dividing the index for the year of installation by the most current year's index. Note that while we are using the 2012 Handy-Whitman Index, the most current year for which the index has been developed is 2010. The

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estimated original cost of hydrants installed prior to 1981 is \$104,022. This value was then added to the asset listing such that the value of these older assets is taken into consideration.

This same approach was used to revise the asset listing such that the value of T&D pipe installed before 1975 was taken into consideration; however, in the case of the T&D pipe the values for all pipe installed prior to 2007 was replaced with the estimated original cost developed using the Handy-Whitman Index. Attachment C shows all T&D pipe installed before 2006. It should be noted that the installation date for several of the assets in this list was not known. Since an installation date is required to determine the estimated original these assets were assumed to be 59 years old, which is the average age of the assets for which the installation date is known.

Attachment C also includes engineers' estimates of the current cost to replace each of these assets. Using the process described above, these replacement costs and the Handy-Whitman Index were used to develop an estimated original cost for each asset. The estimated replacement costs are also shown on Attachment D. The total estimated original cost for all T&D pipe installed prior to 2006 is \$15,780,474. In the asset listing, this value replaces the individual values for each T&D pipe asset prior to 2007. In Attachment D, the line items from the original asset listing that are replaced with the total estimated original cost value are highlighted in orange. For T&D pipe assets installed after 2006, the values from the original asset listing are used.

The revised asset listing, which includes the estimated original costs for hydrants installed prior to 1981 and T&D pipe installed prior to 2006 is included as Attachment E. The values of the pre-1981 hydrants and the pre-2006 T&D pipe are highlighted in blue.

These revisions will result in a slightly different allocation of capital costs to functional accounts and ultimately to customer classes and these changes in allocations will have a slight impact on rates, which is set forth in Attachment F.

Prepared by: Harold Smith

**PWFD 2-1  
ATTACHMENT A**

**WATER FUND FIXED ASSETS**

TD	TRANSMISSION/DISTRIBUTION	20,846,330.69	Pumping Highlighted in green
L	LAWTON VALLEY	7,116,281.83	
N	STATION 1	22,516,440.91	
T	TREATMENT BOTH	9,161,055.40	
ST	STORAGE	1,060,548.49	
SS	SOURCE OF SUPPLY	19,453,648.97	
M	METERS	629,135.04	
TDP	T&D PUMPING	907,332.37	
B	BILLING	2,902,066.32	
F	FIRE	351,481.16	
LAB	LABORATORY	80,000.00	
LAND	LAND AND ROW	3,594,491.24	
		88,618,812.42	

<u>ASSET</u>	<u>DESCRIPTION</u>	<u>INSRV-DATE</u>	<u>Total to 5/31/12</u>		<u>7/1/11-5/31/12</u>	(No depr Calculated on 2012 additions yet)
<u>Alloc</u>	<u>ASSET DESCRIPTION</u>	<u>INSRV-DATE</u>	<u>ORIG-COST</u>	<u>A/D to 6/30/11</u>	<u>YTD-DEPR</u>	<u>A/D to 5/31/12</u>
F	2861 Hydrants	6/30/1981	2,818.27	2,818.27	-	2,818.27
F	2862 Hydrants	6/30/1982	48,742.23	47,252.88	1,303.18	48,556.06
F	2863 Hydrants	6/30/1983	513.18	480.40	13.72	494.12
F	2864 Hydrants	6/30/1984	390.89	352.90	10.46	363.36
F	2865 Hydrants	6/30/1985	5,615.80	4,882.62	150.15	5,032.77
F	2866 Hydrants	6/30/1986	11,149.30	9,322.05	298.09	9,620.14
F	2867 Hydrants	6/30/1987	2,130.64	1,710.41	56.98	1,767.39
F	2868 Hydrants	6/30/1988	345.06	265.48	9.24	274.72
F	2869 Hydrants	6/30/1989	13,148.17	9,678.49	351.53	10,030.02
F	2870 Hydrants	1/17/1996	11,796.00	11,796.00	-	11,796.00
F	2871 Hydrants	12/12/1996	10,190.00	10,190.00	-	10,190.00
F	2872 Hydrants	5/21/1998	4,494.00	4,494.00	-	4,494.00
F	2873 Hydrants	3/16/1998	1,577.00	1,577.00	-	1,577.00
F	2874 Hydrants	3/26/1998	1,276.00	1,276.00	-	1,276.00
F	2875 Hydrants	6/4/1999	28,444.02	28,444.02	-	28,444.02
F	2876 Hydrants	3/15/2000	8,372.00	8,372.00	-	8,372.00
F	2877 Hydrants	6/30/2001	15,660.00	15,660.00	-	15,660.00
F	2878 Hydrants	7/1/2002	23,737.00	21,363.30	1,903.92	23,267.22
F	2879 Hydrants	4/16/2004	40,848.00	29,614.80	3,276.35	32,891.15
F	2880 Hydrants	4/14/2005	31,431.00	19,644.38	2,521.04	22,165.42
F	2881 Hydrants	4/5/2006	38,480.00	20,202.00	3,086.44	23,288.44
F	3677 Hydrant Replacements	10/1/2009	6,924.60	1,211.81	555.42	1,767.23
F	3678 Hydrant Replacements	10/20/2009	7,253.00	1,269.28	581.74	1,851.02
F	3807 Hydrant Replacements	1/1/2010	1,872.00	280.80	150.15	430.95
F	4400 Hydrant Replacements	2/28/2011	16,773.00	698.88	1,345.34	2,044.22
F	Hydrant Replacements	FY 2012	17,500.00	-	-	-
L	2722 Filter Building/structure	6/30/1942	340,775.40	340,775.40	-	340,775.40
L	2723 Structure	6/30/1965	1,156,376.62	1,156,376.62	-	1,156,376.62
L	2725 Structure	6/30/1988	2,052.00	1,184.18	41.15	1,225.33
L	2729 Baffle #3 replacement	12/1/1995	65,900.00	25,673.54	1,321.42	26,994.96
L	2730 Elevator replacement	5/7/2004	118,800.00	21,285.00	2,382.19	23,667.19
L	2731 WTP Sediment Basin Repairs	6/30/2005	227,476.00	34,595.31	4,561.38	39,156.69
L	2732 Chlorine System Improvements	3/31/2005	92,250.00	14,606.25	1,849.83	16,456.08
L	2744 LV Chlorine Building (CAF)	1/1/1943	13,399.68	13,399.68	-	13,399.68
L	2745 LV Pump Building (CAG)	1/1/1973	22,818.56	17,570.25	366.04	17,936.29
L	2746 LV Garage	1/1/1982	11,805.27	6,965.12	189.38	7,154.50
L	2750 Newport Sta.#1 improve	5/31/2001	9,686.31	4,923.88	388.47	5,312.35
L	2752 Engineering Study-SCADA	2/6/2004	32,639.11	12,103.68	1,308.97	13,412.65
L	2765 Liquid chemical feed	7/1/2006	144,559.00	36,139.75	5,797.43	41,937.18
L	2939 SCADA-Lawton Valley Imprv	10/17/2007	12,762.50	2,392.97	511.84	2,904.81
L	2940 SCADA-Lawton Valley Imprv	11/5/2007	3,877.50	710.88	155.51	866.39
L	3319 SCADA-Lawton Valley Imprv	6/30/2008	2,690.00	414.71	107.90	522.61
L	3326 CDM Water Age	6/30/2008	9,617.00	1,482.62	385.67	1,868.29
L	3327 CDM Water Age	6/30/2008	12,968.10	1,999.25	520.07	2,519.32
L	3328 Liquid Chemical Feed	6/30/2008	8,439.40	1,301.07	338.46	1,639.53
L	3329 LV Mixing System Design	6/30/2008	2,047.37	315.64	82.10	397.74
L	3330 LV Mixing System Design	6/30/2008	3,162.06	487.48	126.82	614.30
L	3363 LV Backwash Diversion	2/27/2009	67,925.00	8,207.60	2,724.07	10,931.67
L	3364 LV Backwash Diversion	2/27/2009	59,850.00	7,231.88	2,400.24	9,632.12
L	3365 Lawton Valley Mixing System	2/27/2009	705.04	85.19	28.30	113.49
L	3366 Lawton Valley Mixing System	2/27/2009	854.05	103.19	34.27	137.46
L	3367 Lawton Valley Mixing System	2/27/2009	501.35	60.59	20.12	80.71
L	3376 LV Backwash Diversion	2/27/2009	55,062.00	6,653.33	2,208.22	8,861.55
L	4691 SCADA-LV Improvements	6/30/2011	486,091.11	2,025.38	19,494.28	21,519.66
L	3636 LV New Treatmnt Plant	6/30/2009	425,296.14	-	-	-
L	3702 LV New Treatmnt Plant	12/1/2009	142,810.79	-	-	-
L	3703 LV New Treatmnt Plant	12/1/2009	20,316.52	-	-	-
L	3704 LV New Treatmnt Plant	12/1/2009	322,894.99	-	-	-
L	3708 LV New Treatment Plant	12/16/2009	13,312.49	-	-	-
L	2897 LV Treatment Plant (DAX)	1/1/1943	155,575.00	155,575.00	-	155,575.00
L	2898 LV Addition - 1966 (DAY)	1/1/1966	196,360.00	178,687.60	3,149.96	181,837.56
L	2899 Clearwell LV (DAZ)	1/1/1943	6,891.26	6,891.26	-	6,891.26
L	2900 LV In-Ground Reservoir (DBA)	1/1/1966	289,649.25	263,580.82	4,646.47	268,227.29

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ATTACHMENT A

L	2901 LV Generator Housing (DBB)	1/1/1991	6,286.73	2,577.55	100.87	2,678.42
L	2904 LV UndergrPlant Piping (DBG)	1/1/1943	18,882.06	18,882.06	-	18,882.06
L	2905 LV UndergrPlant Piping (DBH)	1/1/1966	8,612.63	7,837.48	138.17	7,975.65
L	2906 LV UndergrPlant Piping (DBI)	1/1/1973	35,831.70	27,590.40	574.81	28,165.21
L	2913 Generator Housing	1/1/1991	6,371.68	6,371.68	102.22	2,714.57
L	4695 Lawton Valley Residuals	6/30/2011	111,530.00	185.88	1,789.12	1,975.00
L	4696 LV Constr Raw Residuals	6/30/2011	79,612.80	132.69	1,277.14	1,409.83
L	4697 LV Sedimentation Basin	6/30/2011	335,813.80	559.69	5,387.02	5,946.71
L	2770 PVC liners for alum tanks	11/1/2000	8,922.00	8,922.00	-	8,922.00
L	2778 Hydr lime volumetric feed	2/6/1998	12,271.00	12,271.00	-	12,271.00
L	2781 SCADA-L V Improvements	6/30/2007	707,526.64	288,906.71	56,749.54	345,656.25
L	4698 PH Chemical Feed	6/30/2011	586,123.68	976.87	9,402.39	10,379.26
L	4699 Pretreat Clar Trng	6/30/2011	660,300.24	1,100.50	10,592.31	11,692.81
LAB	2782 Lab Equipment - Contract 26	3/6/1991	80,000.00	80,000.00	-	80,000.00
LAND	2669 Various Land Purchases	6/9/1936	327,597.32	-	-	-
LAND	2670 4.50 Acres Bliss Mine Neast	5/2/1940	5,000.00	-	-	-
LAND	2671 Green End Avenue parcel	6/30/1941	947.18	-	-	-
LAND	2672 789' x 20' easement	3/31/1942	250.00	-	-	-
LAND	2673 6.80 acres w/ease to Union St	3/31/1942	4,500.00	-	-	-
LAND	2674 496' x 20' easement	3/31/1942	175.00	-	-	-
LAND	2675 Green End Avenue land	10/31/1944	1,890.00	-	-	-
LAND	2676 7.05 acres of Thurston Farm	6/21/1957	10,506.00	-	-	-
LAND	2677 Land & Rights of Way	6/11/1964	217,586.67	-	-	-
LAND	2678 Land & Rights of Way	6/7/1965	1,832.27	-	-	-
LAND	2679 20' easement	6/18/1965	999.86	-	-	-
LAND	2680 600' x 12' easement	10/13/1965	300.00	-	-	-
LAND	2681 Pipeline easement	4/5/1967	1,000.00	-	-	-
LAND	2682 Burchard Avenue	11/18/1967	1,500.00	-	-	-
LAND	2683 Reservoir Rd Sewer Line	9/7/1970	6,800.00	-	-	-
LAND	2684 Land & Rights of Way	6/30/1976	3,750.00	-	-	-
LAND	2685 Land & Rights of Way	11/22/1976	54,201.02	-	-	-
LAND	2686 Gray Craig Estate	1/26/1995	151,268.00	-	-	-
LAND	2687 Land & Rights of Way	12/22/1995	25,600.00	-	-	-
LAND	2688 Land & Rights of Way	6/7/1996	188,000.00	-	-	-
LAND	2689 Land & Rights of Way	12/17/1996	386,120.00	-	-	-
LAND	2690 Land & Rights of Way	12/11/1996	54,846.00	-	-	-
LAND	2691 Land & Rights of Way	12/17/1996	65,390.00	-	-	-
LAND	2692 Land & Rights of Way	7/17/1996	280,000.00	-	-	-
LAND	2693 Land & Rights of Way	12/11/1996	145,000.00	-	-	-
LAND	2694 Land & Rights of Way	11/15/1996	48,695.28	-	-	-
LAND	2695 Land & Rights of Way	4/4/1997	110,364.00	-	-	-
LAND	2696 Land & Rights of Way	4/4/1997	50,000.00	-	-	-
LAND	2697 Land & Rights of Way	2/12/1997	248,675.00	-	-	-
LAND	2698 Land & Rights of Way	6/26/1997	44,334.00	-	-	-
LAND	2699 Land & Rights of Way	4/4/1997	29,916.00	-	-	-
LAND	2700 Land & Rights of Way	3/31/1997	94,503.27	-	-	-
LAND	2701 Land & Rights of Way	6/26/2000	588,500.00	-	-	-
LAND	2702 Cons ease from VanderbiltFarm	6/26/2001	53,444.37	-	-	-
LAND	2703 Cons ease from VanderbiltFarm	12/22/2000	391,000.00	-	-	-
M	4693 FY08 Series 2008 A SRF Loan	6/30/2011	59,000.00	98.33	946.45	1,044.78
M	2855 Meters	6/30/2004	44,956.05	10,614.62	1,201.97	11,816.59
M	2856 Meters	10/22/2004	27,235.60	6,127.99	728.17	6,856.16
M	2857 Meters	6/20/2005	54,080.81	10,966.36	1,445.91	12,412.27
M	2858 Meters	10/18/2006	30,681.66	4,857.92	820.33	5,678.25
M	2934 Meter Replacements	10/19/2007	6,750.00	843.75	180.47	1,024.22
M	2935 Meter Replacements	12/21/2007	6,750.00	806.25	180.47	986.72
M	3312 Meter Replacements	6/30/2008	875.00	89.94	23.39	113.33
M	3313 Meter Replacements	6/30/2008	7,882.20	810.12	210.75	1,020.87
M	3314 Meter Replacements	6/30/2008	8,640.00	888.00	231.00	1,119.00
M	3315 Meter Replacements	6/30/2008	1,470.00	151.08	39.30	190.38
M	3316 Meter Replacements	6/30/2008	4,379.00	450.07	117.08	567.15
M	3317 Meter Replacements	6/30/2008	3,315.00	340.71	88.65	429.36
M	3318 Meter Replacements	6/30/2008	22,595.00	2,322.27	604.11	2,926.38
M	3374 Meter Replacements	2/27/2009	6,400.00	515.55	171.13	686.68
M	3379 Meter Replacements	2/27/2009	3,157.12	254.33	84.41	338.74
M	3380 Meter Replacements	2/27/2009	723.56	58.29	19.35	77.64
M	3542 Meter Replacements	6/25/2009	14,269.80	990.96	381.54	1,372.50
M	3543 Meter Replacements	6/25/2009	3,946.40	274.06	105.50	379.56
M	3544 Meter Replacements	6/25/2009	11,280.00	783.33	301.58	1,084.91
M	3631 Meter Replacements	6/29/2009	20,514.50	1,424.63	548.49	1,973.12
M	3676 Meter Replacements	10/1/2009	13,776.00	803.60	368.34	1,171.94
M	3953 Meter Replacements	6/29/2010	7,780.00	280.94	208.00	488.94
M	3954 Meter Replacements	6/29/2010	21,840.00	788.67	583.94	1,372.61
M	4019 Meter Replacements	6/8/2010	10,860.00	392.17	290.37	682.54
M	4396 Meter Replacements	2/28/2011	9,690.00	134.58	259.09	393.67
M	4397 Meter Replacements	2/28/2011	11,273.31	156.58	301.41	457.99
M	4438 Meter Replacements	5/1/2011	2,892.00	16.07	77.32	93.39
M	4439 Meter Replacements	5/1/2011	145.00	0.81	3.86	4.67
M	4440 Meter Replacements	5/1/2011	13,899.00	77.22	371.62	448.84
M	4518 Meter Replacements	6/1/2011	2,378.18	6.61	63.59	70.20
M	4519 Meter Replacements	6/7/2011	26,000.00	72.22	695.13	767.35

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ATTACHMENT A

B	4702 SRF Remote Meter Reading	6/30/2011	2,589,948.41	7,194.30	69,245.14	76,439.44
M	Meter Replacements	FY 2012	139,197.85	-	-	-
B	SRF Remote Meter Reading	FY 2012	298,997.91	-	-	-
B	laptop	FY 2012	13,120.00	-	-	-
M	2889 GCW Pick-up truck	6/30/2001	30,502.00	30,502.00	-	30,502.00
N	2719 Water treat plant (BAH-BAL)	1/1/1991	23,123.24	-	-	-
N	2724 Structure	6/30/1979	686,914.60	550,962.75	13,774.06	564,736.81
N	2726 Structure - Contract 26	3/6/1991	14,045,392.00	7,139,740.93	281,639.37	7,421,380.30
N	2727 Const supervision settlement	3/6/1991	154,159.00	78,364.16	3,091.21	81,455.37
N	2728 Carbon dioxide feed & control	11/5/1994	60,290.00	27,157.67	1,306.98	28,464.65
N	2742 Station 1 Improvements	4/29/2005	176,474.19	27,574.08	3,538.69	31,112.77
N	2749 Optimization study	5/31/2000	107,929.23	60,260.47	4,328.42	64,588.89
N	2751 Engineering Study-SCADA	6/30/2003	135,969.13	54,954.21	5,452.95	60,407.16
N	2754 Engineering Services-SCADA	6/18/2004	6,992.61	2,476.55	280.45	2,757.00
N	2755 Station 1 WTP & SCADA Improv	6/18/2004	257,830.95	91,315.15	10,340.11	101,655.26
N	2759 Engineering Services-SCADA	6/30/2005	85,909.18	26,130.72	3,445.32	29,576.04
N	2762 SCADA Project 2060032	6/30/2005	23,836.69	7,250.32	955.96	8,206.28
N	2894 S1 (DAU)Clearwell	1/1/1991	220,885.34	90,563.04	3,543.36	94,106.40
N	2895 S1 (DAV) Wash Water Well	1/1/1991	103,646.20	42,494.91	1,662.66	44,157.57
N	2896 S1 Ozone Pump (DAW)	1/1/1978	169,722.66	113,714.15	2,722.62	116,436.77
N	2774 Electric Pumping Equipment	3/6/1991	236,450.00	160,260.57	6,321.77	166,582.34
N	2775 Machinery & Equipment	6/22/1982	537,323.04	537,323.04	-	537,323.04
N	2776 Machinery & Equipment	6/30/1989	29,485.95	29,485.95	-	29,485.95
N	2777 Furnish and Equip - Cont 26	3/6/1991	1,942,631.00	1,942,631.00	-	1,942,631.00
N	2780 Machinery & Equipment	6/30/1999	10,926.00	10,926.00	-	10,926.00
N	2902 S1 Treatment Plant (DBC)	1/1/1991	3,370,200.54	1,381,782.21	54,063.63	1,435,845.84
N	2903 S1 Undergr Piping (DBF)	1/1/1991	130,349.36	53,443.30	2,091.03	55,534.33
SS	2721 Pier Wood 3126 Sq. Ft.	6/30/1980	14,042.97	-	-	-
SS	2736 Storm windows	3/2/1989	675.00	376.88	13.54	390.42
SS	2743 Lawton Valley Sluice Gate	3/30/2006	191,630.00	25,550.67	3,842.59	29,393.26
SS	2767 Dam and Moat Study	6/30/2007	40,088.00	8,184.63	1,607.69	9,792.32
SS	2768 Dam and Moat Study	7/20/2007	13,743.50	2,748.70	551.18	3,299.88
SS	2769 Dam and Moat Study	8/20/2007	43,407.50	8,500.64	1,740.82	10,241.46
SS	4690 Paradise Intake Structures	6/30/2011	12,995.00	54.15	521.17	575.32
SS	4692 Source Water Assess Plan	6/30/2011	44,322.65	184.68	1,777.55	1,962.23
SS	3637 E. Pond Dam Repairs	6/30/2009	61,320.95	-	-	-
SS	3679 Easton Pond Dam Repairs	10/1/2009	400.00	-	-	-
SS	3683 E. Pond Dam Repairs	11/1/2009	49,755.80	-	-	-
SS	3684 E. Pond Dam Repairs	11/1/2009	11,719.00	-	-	-
SS	3685 E. Pond Dam Repairs	11/1/2009	17,321.20	-	-	-
SS	3705 E. Pond Dam Repairs	11/1/2009	3,575.00	-	-	-
SS	3706 E. Pond Dam Repairs	11/1/2009	38,434.40	-	-	-
SS	3707 E. Pond Dam Repairs	12/2/2009	10,473.60	-	-	-
SS	3898 E. Pond Dam Repairs	4/28/2010	6,295.75	-	-	-
SS	3899 E. Pond Dam Repairs	4/28/2010	1,727.50	-	-	-
SS	3955 E. Pond Dam Repairs	6/30/2010	3,404.70	-	-	-
SS	3956 E. Pond Dam Repairs	6/30/2010	8,045.40	-	-	-
SS	3957 E. Pond Dam Repairs	6/30/2010	11,010.50	-	-	-
SS	3958 E. Pond Dam Repairs	6/30/2010	13,792.20	-	-	-
SS	4022 E. Pond Dam Repairs	6/30/2010	1,930.70	-	-	-
SS	4096 E. Pond Dam Repairs	6/30/2010	4,446.90	-	-	-
SS	4343 E. Pond Dam Repairs	2/25/2011	9,037.50	-	-	-
SS	4344 E. Pond Dam Repairs	2/25/2011	3,061.10	-	-	-
SS	4345 E. Pond Dam Repairs	2/25/2011	4,422.00	-	-	-
SS	4346 E. Pond Dam Repairs	2/25/2011	6,046.80	-	-	-
SS	4347 E. Pond Dam Repairs	2/25/2011	1,549.40	-	-	-
SS	4487 E. Pond Dam Repairs	5/1/2011	7,219.90	-	-	-
SS	4488 E. Pond Dam Repairs	5/1/2011	4,541.40	-	-	-
SS	4493 E. Pond Dam Repairs SRF	6/1/2011	5,826.75	-	-	-
SS	4494 E. Pond Dam Repairs SRF	6/7/2011	1,942.25	-	-	-
SS	4685 E. Pond Dam Repairs SRF	6/30/2011	931.00	-	-	-
SS	4688 E. Pond Dam Repairs SRF	6/30/2011	8,539.09	-	-	-
SS	E. Pond Dam Repairs SRF	FY 2012	2,349,160.46	-	-	-
SS	4704 St Mary's Raw Water	6/30/2011	2,300,147.51	3,833.58	36,898.21	40,731.79
SS	St Mary's aeration	FY 2012	21,355.91	-	-	-
SS	intake structures	FY 2012	13,402.60	-	-	-
SS	4694 Gardiner Pond Water Tank Imp	6/30/2011	103,052.25	171.75	1,653.14	1,824.89
SS	4700 SRF Issuance Cost	6/30/2011	28,396.63	47.33	455.55	502.88
SS	2704 Lawton Valley	6/9/1936	374,677.00	-	-	-
SS	2705 North & South Easton's	9/30/1940	28,615.66	-	-	-
SS	2706 North & South Easton's	9/30/1940	28,615.67	-	-	-
SS	2707 North & South Easton's	9/30/1940	(8,356.60)	-	-	-
SS	2708 North & South Easton's	9/30/1940	(8,680.78)	-	-	-
SS	2709 Gardiner	3/31/1958	87,543.72	-	-	-
SS	2710 Nonquit	3/31/1958	77,847.03	-	-	-
SS	2711 Easton's Pond	6/30/1995	37,048.02	-	-	-
SS	2712 Lawton Valley Res & Dam	6/30/1985	1,556,751.00	-	-	-
SS	2713 Permit	4/1/1993	600.00	-	-	-
SS	2714 Dam	6/30/1961	271,108.19	271,108.19	-	271,108.19
SS	2715 Reservoir Road Bridge	6/30/1961	4,929.36	4,929.36	-	4,929.36
SS	3360 Safe Yield Study	2/27/2009	75,498.12	9,122.70	3,027.81	12,150.51

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SS	3361 Safe Yield Study	2/27/2009	42,681.88	5,157.38	1,711.71	6,869.09
SS	3525 Safe Yield Study	6/12/2009	3,884.66	404.65	155.80	560.45
SS	3540 Safe Yield Study	6/25/2009	1,467.92	152.92	58.89	211.81
SS	Source Water Monitoring	FY 2012	96,549.81	-	-	-
SS	2882 1995 MCI off-road vehicle	6/2/1995	10,995.00	10,995.00	-	10,995.00
SS	2886 Deweze Mower 72"	6/30/2001	26,799.00	26,799.00	-	26,799.00
SS	2887 Big Tex Trailer	6/30/2001	3,555.00	3,555.00	-	3,555.00
SS	2888 Mid-size Cab Pick-up	6/30/2001	14,168.00	14,168.00	-	14,168.00
SS	2891 Dew Eze ATM72 Mower	6/30/2004	28,307.56	28,307.56	-	28,307.56
SS	3680 Riding Mowers	10/1/2009	15,321.00	6,702.94	3,072.20	9,775.14
SS	4401 Slope Mower	2/8/2011	53,374.00	3,706.53	7,135.08	10,841.61
SS	2716 5100 ft 24 Pipe Wat Dam Nonq	6/30/1961	93,878.00	93,878.00	-	93,878.00
SS	2717 Replaced 60 ft 16" 60 ft 24"	4/13/1992	16,850.39	6,487.44	270.31	6,757.75
SS	2718 24" x 10400 feet pipeline	2/21/1995	11,046,429.59	3,626,911.02	177,203.15	3,804,114.17
ST	2738 storage reservoir cleaning	6/4/1999	39,537.50	11,943.65	792.81	12,736.46
ST	3322 Lawton Valley Mixing System	6/30/2008	2,670.62	411.72	107.13	518.85
ST	3348 CDM Water Age	6/30/2008	12,968.10	1,999.25	520.07	2,519.32
ST	3528 Lawton Valley Mixing System	6/12/2009	3,468.82	361.33	139.11	500.44
ST	2911 Reservoir Rd Water Tank	1/1/1966	140,318.97	127,690.28	2,250.96	129,941.24
ST	2914 Water Tank	1/1/1970	100,109.25	83,090.68	1,605.93	84,696.61
TDP	2915 St. Mary Pump Station	1/1/1966	25,961.16	23,624.65	416.47	24,041.12
ST	2916 LV Plant Water Tank	1/1/1973	167,197.25	128,741.88	2,682.12	131,424.00
ST	4701 Water Tank Imp - Goulart Ln	6/30/2011	594,277.98	990.46	9,533.21	10,523.67
T	2747 Optimization study	1/1/1997	11,050.00	8,011.25	443.14	8,454.39
T	2753 Compliance Eval Water Trmt	11/7/2003	105,856.03	40,578.13	4,245.29	44,823.42
T	2756 Vulnerability Assessment	6/18/2004	14,172.84	5,019.53	568.38	5,587.91
T	2758 Compliance Eval Water Trmt	11/9/2004	62,943.97	20,981.33	2,524.34	23,505.67
T	2760 Water System Eval	6/30/2005	34,730.65	10,563.89	1,392.83	11,956.72
T	2761 Short Term Improvements	6/30/2005	52,562.00	15,987.61	2,107.97	18,095.58
T	2763 Water System Eval	9/16/2005	137,499.35	40,103.99	5,514.30	45,618.29
T	2764 Eng Short Term Improvements	10/20/2005	114,994.00	33,060.78	4,611.72	37,672.50
T	2936 Short Time Improvements	1/9/2008	14,350.60	2,511.36	575.52	3,086.88
T	3320 Chloramine Conversion	6/30/2008	57,722.00	8,898.81	2,314.91	11,213.72
T	3321 Chloramine Conversion	6/30/2008	30,139.00	4,646.43	1,208.71	5,855.14
T	3323 Chloramine Conversion	6/30/2008	31,149.00	4,802.14	1,249.23	6,051.37
T	3324 Chloramine Conversion	6/30/2008	15,339.00	2,364.76	615.15	2,979.91
T	3325 Chloramine Conversion	6/30/2008	17,626.00	2,717.34	706.86	3,424.20
T	3368 Chloramine Conversion	2/27/2009	29,668.00	3,584.88	1,189.83	4,774.71
T	3369 Chloramine Conversion	2/27/2009	17,626.00	2,129.81	706.86	2,836.67
T	3545 Chloramine Conversion	6/25/2009	4,788.00	492.76	192.31	685.07
T	3546 Chloramine Conversion	6/25/2009	8,342.00	579.31	223.03	802.34
T	3629 Chloramine Conversion	6/30/2009	9,875.00	1,016.31	396.58	1,412.89
T	3811 Chloramine Conversion	1/1/2010	21,797.00	1,089.86	582.79	1,672.65
T	4398 Chloramine Conversion	2/28/2011	30,678.00	426.08	820.23	1,246.61
T	3701 New LV Plant Sta 1 Improvement	12/1/2009	27,915.05	-	-	-
T	3800 New LV Plant Sta 1 Improvement	1/1/2010	737.10	-	-	-
T	3801 New LV Plant Sta 1 Improvement	1/1/2010	10,654.39	-	-	-
T	3802 New LV Plant Sta 1 Improvement	1/29/2010	5,850.00	-	-	-
T	3803 New LV Plant Sta 1 Improvement	1/7/2010	5,767.16	-	-	-
T	3804 New LV Plant Sta 1 Improvement	1/7/2010	65,149.98	-	-	-
T	3895 New LV Plant Sta 1 Improvement	4/28/2010	15,236.84	-	-	-
T	3896 New LV Plant Sta 1 Improvement	4/28/2010	92,466.62	-	-	-
T	3897 New LV Plant Sta 1 Improvement	4/28/2010	2,300.00	-	-	-
T	4023 New LV Plant Sta 1 Improvement	6/30/2010	9,330.00	-	-	-
T	4137 New LV Plant Sta 1 Improvement	6/30/2010	5,000.00	-	-	-
T	4193 New LV Plant Sta 1 Improvement	11/29/2010	5,693.96	-	-	-
T	4194 New LV Plant Sta 1 Improvement	11/29/2010	94,973.14	-	-	-
T	4341 New LV Plant Sta 1 Improvement	2/25/2011	1,446.52	-	-	-
T	4348 New LV Plant Sta 1 Improvement	2/25/2011	20,500.00	-	-	-
T	4349 New LV Plant Sta 1 Improvement	2/25/2011	13,560.00	-	-	-
T	4480 New LV Plant Sta 1 Improvement	5/1/2011	5,420.00	-	-	-
T	4481 New LV Plant Sta 1 Improvement	5/1/2011	220.00	-	-	-
T	4482 New LV Plant Sta 1 Improv SRF	5/1/2011	4,960.00	-	-	-
T	4483 New LV Plant Sta 1 Improvement	5/1/2011	824,980.75	-	-	-
T	4484 New LV Plant Sta 1 Improvement	5/1/2011	89,243.38	-	-	-
T	4485 New LV Plant Sta 1 Improvement	5/1/2011	22,405.03	-	-	-
T	4486 New LV Plant Sta 1 Improvement	5/1/2011	154,964.20	-	-	-
T	4495 New LV Plant Sta 1 Improv SRF	6/1/2011	80.00	-	-	-
T	4496 New LV Plant Sta 1 Improv SRF	6/7/2011	10,154.65	-	-	-
T	4497 New LV Plant Sta 1 Improv SRF	6/7/2011	60,345.00	-	-	-
T	4498 New LV Plant Sta 1 Improv SRF	6/7/2011	1,974.00	-	-	-
T	4626 New LV Plant SRF Req 4	6/30/2011	6,040.00	-	-	-
T	4629 New LV Plant SRF Req 4	6/30/2011	16,025.36	-	-	-
T	4630 New LV Plant SRF Req 4	6/30/2011	53,958.66	-	-	-
T	4684 New LV Plant Sta 1 Improv SRF	6/30/2011	156,504.29	-	-	-
T	4689 New LV Plant Sta 1 Improv SRF	6/30/2011	12,440.00	-	-	-
T	4705 New LV Plant Sta 1 Improvement	6/30/2011	5,128.55	-	-	-
T	4706 New LV Plant Sta 1 Improv SRF	6/30/2011	201,980.97	-	-	-
T	New LV Plant Sta 1 Improv SRF	FY 2012	5,796,703.91	-	-	-
T	2907 Lee's Wharf Pump Station	1/1/1977	11,947.42	8,243.77	191.65	8,435.42
T	2910 Paradise Avenue Pump Station	1/1/1944	10,121.54	10,121.54	-	10,121.54

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T	2912 Forest Ave Pump Station	1/1/1966	20,618.74	18,763.05	PUMP	330.77	19,093.82
T	2917 Paradise Avenue Pump Station	6/10/2005	495,349.75	60,267.55	PUMP	7,946.24	68,213.79
TD	2720 Group of Chain Link Fencing	1/1/1966	5,088.79	-			-
TD	2737 Modifications	6/30/1990	64,650.00	34,075.94		1,296.39	35,372.33
TD	2739 Office & shop	8/22/1967	148,175.48	148,175.48		-	148,175.48
TD	2740 Overhead doors (7)	11/26/1986	14,266.00	8,797.37		286.06	9,083.43
TD	2741 (2) Natural gas unit heater	3/1/1999	2,842.26	876.41		56.98	933.39
TD	2748 Water Mapping Project	6/30/1994	123,095.28	105,143.88		4,936.66	110,080.54
TD	2757 Leak detection survey	4/9/2004	5,400.00	1,957.50		216.56	2,174.06
TD	2766 Sherman St Main Improve	11/15/2006	15,227.33	3,553.06		610.71	4,163.77
TD	3362 Hydraulic Modeling & GIS	2/27/2009	12,360.78	1,493.60		495.72	1,989.32
TD	3526 Hydraulic Modeling & GIS	6/12/2009	10,472.31	1,090.87		419.99	1,510.86
TD	3527 Hydraulic Modeling & GIS	6/12/2009	37,176.70	3,872.57		1,490.94	5,363.51
TD	3547 Hydraulic Modeling & GIS	6/25/2009	17,297.12	1,801.79		693.67	2,495.46
TD	3630 Hydraulic Modeling & GIS	6/30/2009	52,432.82	5,461.75		2,102.77	7,564.52
TD	3675 Hydraulic Modeling & GIS	10/5/2009	48,053.71	4,204.71		1,927.15	6,131.86
TD	3809 Hydraulic Modeling & GIS	1/1/2010	7,545.65	565.92		302.61	868.53
TD	3810 Infrastructure Replacement Pla	1/1/2010	35,360.34	2,652.03		1,418.11	4,070.14
TD	3894 Infrastructure Replacement Pla	4/28/2010	11,133.36	695.84		446.50	1,142.34
TD	3946 Hydraulic Modeling & GIS	6/29/2010	77,668.01	4,207.02		3,114.83	7,321.85
TD	4434 Hydraulic Modeling & GIS	5/1/2011	15,999.51	133.33		641.66	774.99
TD	4668 Hydraulic Modeling & GIS	6/1/2011	5,193.39	21.64		208.29	229.93
TD	2783 Mains & Gates	6/30/1975	4,871,072.96	3,515,291.02		78,140.14	3,593,431.16
TD	2784 Mains & Gates	6/30/1980	513,807.23	319,416.82		8,242.34	327,659.16
TD	2785 Mains & Gates	6/30/1981	191,764.29	115,378.20		3,076.23	118,454.43
TD	2786 Mains & Gates	6/30/1982	1,218,412.90	708,710.23		19,545.39	728,255.62
TD	2787 Mains & Gates	6/30/1983	754.04	423.50		12.11	435.61
TD	2788 Mains & Gates	6/30/1984	3,690.43	1,999.02		59.19	2,058.21
TD	2789 Mains & Gates	6/30/1985	2,273.74	1,186.13		36.48	1,222.61
TD	2790 Mains & Gates	6/30/1986	1,837,575.53	921,850.38		29,477.79	951,328.17
TD	2791 Mains & Gates	6/30/1987	26,510.96	12,769.47		425.29	13,194.76
TD	2792 Mains & Gates	6/30/1988	12,303.98	5,680.35		197.40	5,877.75
TD	2793 Mains & Gates	6/30/1989	405,637.92	179,156.78		6,507.11	185,663.89
TD	2794 Mains & Gates	6/30/1990	318,202.11	134,175.18		5,104.51	139,279.69
TD	2795 Bellevue Avenue Main	6/30/1991	357,013.46	143,400.42		5,727.08	149,127.50
TD	2796 Dexter Street Main	3/10/1992	12,441.55	4,810.71		199.60	5,010.31
TD	2797 12" hydraulic check valve	9/8/1992	18,000.00	6,780.00		288.75	7,068.75
TD	2798 Water services-dig & backfill	9/4/1998	3,564.50	914.89		57.17	972.06
TD	2799 Mains & Gates	3/1/2000	40,000.00	9,066.67		641.69	9,708.36
TD	2800 Water main installation	9/19/2002	234,391.84	41,409.25		3,760.03	45,169.28
TD	2801 Trench restoration	12/18/2002	48,748.68	8,368.49		782.03	9,150.52
TD	2802 Piping	11/16/2001	27,713.17	5,357.85		444.58	5,802.43
TD	2803 Side water tapping machine	6/30/2003	13,200.00	2,134.00		211.75	2,345.75
TD	2804 L V ResidualsMgt	12/19/2003	348,038.23	52,785.78		5,583.12	58,368.90
TD	2805 Water trench restoration	12/19/2003	58,145.13	8,818.66		932.76	9,751.42
TD	2806 Ocean Dr water mains	6/30/2004	131,689.50	18,656.01		2,112.51	20,768.52
TD	2807 Const Ocean Dr water mains	12/30/2004	1,132,256.82	149,080.51		18,163.30	167,243.81
TD	2808 Trench/Sidewalk Restoration	6/30/2005	109,605.90	13,335.40		1,758.28	15,093.68
TD	2809 Engineer-Ocean Dr water mains	6/3/2005	93,371.08	11,360.14		1,497.84	12,857.98
TD	2810 Reconst of East Main Road	6/30/2005	55,403.47	6,740.76		888.77	7,629.53
TD	2811 Eng Ocean Dr water mains	8/8/2005	33,755.79	3,994.46		541.50	4,535.96
TD	2812 Eng Services Ocean Drive #2	7/18/2006	3,960.77	396.10		63.53	459.63
TD	2813 Trench/Sidewalk Restoration	9/22/2005	49,894.02	5,820.97		800.40	6,621.37
TD	2814 Ocean Dr water mains Phase 2	10/31/2005	1,128,339.16	129,758.99		18,100.45	147,859.44
TD	2815 Ocean Dr water mains Phase 3	9/30/2006	1,555,576.15	150,372.35		24,954.05	175,326.40
TD	2816 Reconst of East Main Road	7/1/2006	71,984.86	7,198.50		1,154.77	8,353.27
TD	2817 Reconst of East Main Road	9/12/2007	21,268.79	1,630.62		341.21	1,971.83
TD	2818 Special Detail - Ocean Ave	7/28/2005	108,945.00	13,073.40		1,747.67	14,821.07
TD	2819 Special Detail - Ocean Ave	10/6/2006	76,157.50	7,234.96		1,221.70	8,456.66
TD	2820 Special Detail - Ocean Ave	8/28/2007	6,025.00	471.96		96.64	568.60
TD	2821 Fluid Conservation Systems	6/30/2006	29,900.00	3,039.83		479.64	3,519.47
TD	2822 Reservoir Tank Improve	5/31/2006	443,675.00	45,846.42		7,117.30	52,963.72
TD	2823 Trench and Sidewalk Restor	8/17/2006	51,949.00	5,108.32		833.33	5,941.65
TD	2824 Ocean Dr water mains Phase 3	6/30/2007	76,143.17	6,218.35		1,221.47	7,439.82
TD	2825 Booster station	1/1/1967	77,956.36	77,956.36		-	77,956.36
TD	2826 Reservoir Road Standpipe	3/3/1967	185,675.00	185,675.00		-	185,675.00
TD	2827 Goulart Lane Standpipe	10/28/1967	134,123.00	134,123.00		-	134,123.00
TDP	2828 Treated water pump	10/4/1973	465,883.33	439,677.39	PUMP	9,341.93	449,019.32
TD	2829 Painting of Water Tank	6/6/1985	106,535.00	69,469.70		2,136.27	71,605.97
TD	2830 Distribution Standpipes	6/30/1986	80,817.53	50,679.37		1,620.56	52,299.93
TD	2831 Leak detection survey	6/30/2003	12,070.00	2,439.15		242.04	2,681.19
TD	2832 Water trench repair	6/30/2003	36,107.20	7,296.66		724.02	8,020.68
TD	2921 Ocean Dr water mains Phase 3	10/29/2007	64,010.60	4,800.79		1,026.84	5,827.63
TD	2922 Ocean Dr water mains Phase 3	11/16/2007	129,205.55	9,475.07		2,072.66	11,547.73
TD	2925 Special Detail - Ocean Ave	10/29/2007	12,950.00	971.25		207.74	1,178.99
TD	2926 Special Detail - Ocean Ave	11/30/2007	800.00	58.67		12.83	71.50
TD	2927 Special Detail - Ocean Ave	11/30/2007	3,150.00	231.00		50.53	281.53
TD	2928 Special Detail - Ocean Ave	11/30/2007	325.00	23.83		5.20	29.03
TD	2929 Special Detail - Ocean Ave	11/30/2007	1,950.00	143.00		31.28	174.28
TD	2930 Special Detail - Ocean Ave	12/21/2007	1,700.00	121.83		27.27	149.10
TD	2931 Trench and Sidewalk Restor	11/16/2007	11,830.92	867.61		189.81	1,057.42



#	LOCATION	LOCATION2	MAKE / MODEL	MODEL YEAR	YEAR INSTALLED	CURRENT COST	Handy-Whitman Original Cost Factor	Estimated Original Cost	Age
55	BLISS MINE RD	OPP #93	WOODS-MATTHEWS	1930	1930	\$ 1,700.00	0.03241	\$ 55.11	83
209	SPRING ST	AT PERRY	WOODS-MATTHEWS	1930	1930	\$ 1,700.00	0.03241	\$ 55.11	83
258	KINGSTON AVE	AT #33	WOODS-MATTHEWS	1930	1930	\$ 1,700.00	0.03241	\$ 55.11	83
437	KAY ST	AT KAY BLVD	WOODS-MATTHEWS	1930	1930	\$ 1,700.00	0.03241	\$ 55.11	83
16	MEMORIAL BLVD	AT 1ST BEACH	WOODS-MATTHEWS	1931	1931	\$ 1,700.00	0.03241	\$ 55.11	82
28	STOCKTON DR		WOODS-MATTHEWS	1932	1932	\$ 1,700.00	0.02917	\$ 49.59	81
20	TUCKERMAN AVE	NEAR TUCKERMAN TER	WOODS-MATTHEWS	1938	1938	\$ 1,700.00	0.03566	\$ 60.62	75
173	WASHINGTON ST	AT LONG WHF	WOODS-MATTHEWS	1939	1939	\$ 1,700.00	0.03566	\$ 60.62	74
317	WHEATLAND BLVD	OPP TILDEN	WOODS-MATTHEWS	1939	1939	\$ 1,700.00	0.03566	\$ 60.62	74
333	DEARBORN ST	OPP #36	WOODS-MATTHEWS	1939	1939	\$ 1,700.00	0.03566	\$ 60.62	74
360	MILL ST	BTW THAMES/SPRING	WOODS-MATTHEWS	1939	1939	\$ 1,700.00	0.03566	\$ 60.62	74
396	CARROLL AVE	AT ALPOND	WOODS-MATTHEWS	1930	1939	\$ 1,700.00	0.03566	\$ 60.62	74
34	BRIARWOOD AVE	AT RENFREW	WOODS-MATTHEWS	1940	1940	\$ 1,700.00	0.03728	\$ 63.37	73
119	EVERETT ST	AT #12	WOODS-MATTHEWS	1940	1940	\$ 1,700.00	0.03728	\$ 63.37	73
31	HART ST		WOODS-MATTHEWS	1943	1943	\$ 1,700.00	0.04052	\$ 68.88	70
85	CARROLL AVE	AT #211	WOODS-MATTHEWS	1944	1944	\$ 1,700.00	0.04052	\$ 68.88	69
78	CONCORD DR	AT CONTINENTAL	WOODS-MATTHEWS	1945	1945	\$ 1,700.00	0.04214	\$ 71.64	68
33	BLISS MINE RD	AT MIANTONOMI	WOODS-MATTHEWS	1948	1948	\$ 1,700.00	0.06645	\$ 112.97	65
35	TUCKERMAN AVE	PURGATORY/ASHURST	WOODS-MATTHEWS	1949	1949	\$ 1,700.00	0.06807	\$ 115.72	64
32	FOREST AVE	AT CHAMPLIN TER	WOODS-MATTHEWS	1950	1950	\$ 1,700.00	0.06969	\$ 118.48	63
406	COUNTY ST	AT BROADWAY	WOODS-MATTHEWS	1950	1950	\$ 1,700.00	0.06969	\$ 118.48	63
506	CONNELL HWY	OPP ONE STOP	WOODS-MATTHEWS	1950	1950	\$ 1,700.00	0.06969	\$ 118.48	63
12	BOULEVARD	AT CLAYTON	WOODS-MATTHEWS	1951	1951	\$ 1,700.00	0.07293	\$ 123.99	62
36	CENTER AVE	AT ORCHARD	WOODS-MATTHEWS	1951	1951	\$ 1,700.00	0.07293	\$ 123.99	62
37	DUDLEY AVE NORTH	AT DUDLEY AVE SOUTH	WOODS-MATTHEWS	1951	1951	\$ 1,700.00	0.07293	\$ 123.99	62
41	PARADISE AVE	AT PROSPECT	RD WOODS	1952	1952	\$ 1,700.00	0.07618	\$ 129.50	61
46	WOLCOTT AVE	AT WHITE TER	WOODS-MATTHEWS	1952	1952	\$ 1,700.00	0.07618	\$ 129.50	61
47	KANE AVE	AT JAMES	WOODS-MATTHEWS	1952	1952	\$ 1,700.00	0.07618	\$ 129.50	61
49	ELLERY AVE	AT ORCHARD	RD WOODS	1952	1952	\$ 1,700.00	0.07618	\$ 129.50	61
56	WOLCOTT AVE	AT BEACHVIEW TER	WOODS-MATTHEWS	1951	1952	\$ 1,700.00	0.07618	\$ 129.50	61
164	GUTHRIE ST	AT BLISS MINE	WOODS-MATTHEWS	1952	1952	\$ 1,700.00	0.07618	\$ 129.50	61
388	BRENTON RD	BTW WICKHAM/BEACON HILL	WOODS-MATTHEWS	1952	1952	\$ 1,700.00	0.07618	\$ 129.50	61
433	CONNELL HWY	AT BRIDGE OVERPASS	WOODS-MATTHEWS	1952	1952	\$ 1,700.00	0.07618	\$ 129.50	61
53	BLISS MINE RD	AT BLISS	RD WOODS	1953	1953	\$ 1,700.00	0.07780	\$ 132.25	60
64	CASEY DR	AT DONALD	WOODS-MATTHEWS	1954	1954	\$ 1,700.00	0.08266	\$ 140.52	59
146	COMMERCIAL BLVD		WOODS-MATTHEWS	1954	1954	\$ 1,700.00	0.08266	\$ 140.52	59
85	BUCK RD		WOODS-MATTHEWS	1955	1955	\$ 1,700.00	0.08590	\$ 146.03	58
349	PARADISE AVE	AT #609 - EASTON FARM	RD WOODS	1955	1955	\$ 1,700.00	0.08590	\$ 146.03	58
63	NICHOLSON CRESCENT	AT BOULEVARD	WOODS-MATTHEWS	1956	1956	\$ 1,700.00	0.09238	\$ 157.05	57
184	MILL ST	AT SPRING	WOODS-MATTHEWS	1956	1956	\$ 1,700.00	0.09238	\$ 157.05	57
187	MT VERNON ST	AT MARIN	WOODS-MATTHEWS	1956	1956	\$ 1,700.00	0.09238	\$ 157.05	57
236	CONNECTION ST	AT ROSENEATH	RD WOODS	1956	1956	\$ 1,700.00	0.09238	\$ 157.05	57
13	WEST MAIN RD	AT LINDEN SCHOOL	WOODS-MATTHEWS	1957	1957	\$ 1,700.00	0.09724	\$ 165.32	56
71	CENTER AVE	AT BRIARWOOD	RD WOODS	1957	1957	\$ 1,700.00	0.09724	\$ 165.32	56
384	DUDLEY AVE	AT #24	WOODS-MATTHEWS	1957	1957	\$ 1,700.00	0.09724	\$ 165.32	56
26	SHANGRILA LN	BTW BLISS MINE/VERNON	WOODS-MATTHEWS	1958	1958	\$ 1,700.00	0.10211	\$ 173.58	55
43	CHASES LN	AT #51-#63	WOODS-MATTHEWS	1958	1958	\$ 1,700.00	0.10211	\$ 173.58	55
72	WARREN AVE	NEAR NEWPORT	RD WOODS	1958	1958	\$ 1,700.00	0.10211	\$ 173.58	55
74	LONGMEADOW AVE	NEAR VALLEY	WOODS-MATTHEWS	1958	1958	\$ 1,700.00	0.10211	\$ 173.58	55
75	O'NEILL BLVD	AT HIGH	RD WOODS	1958	1958	\$ 1,700.00	0.10211	\$ 173.58	55
77	MURPHY CIR	AT CASEY	WOODS-MATTHEWS	1958	1958	\$ 1,700.00	0.10211	\$ 173.58	55
86	LUDLOW RD		WOODS-MATTHEWS	1958	1958	\$ 1,700.00	0.10211	\$ 173.58	55
105	COGGESHALL AVE	AT RUGGLES	WOODS-MATTHEWS	1958	1958	\$ 1,700.00	0.10211	\$ 173.58	55
167	LERROY AVE	BTW LAWRENCE/BELLEVUE	WOODS-MATTHEWS	1958	1958	\$ 1,700.00	0.10211	\$ 173.58	55
273	PARADISE CT	AT END	RD WOODS	1958	1958	\$ 1,700.00	0.10211	\$ 173.58	55
246	SECOND ST	AT ELM	WOODS-MATTHEWS	1959	1959	\$ 1,700.00	0.10535	\$ 179.09	54
371	THURSTON AVE	AT #31	WOODS-MATTHEWS	1959	1959	\$ 1,700.00	0.10535	\$ 179.09	54
19	MAPLE AVE	AT UNDERWOOD	WOODS-MATTHEWS	1960	1960	\$ 1,700.00	0.11021	\$ 187.36	53
39	FOREST AVE		WOODS-MATTHEWS	1960	1960	\$ 1,700.00	0.11021	\$ 187.36	53
44	WOLCOTT AVE	AT EASTON TER	WOODS-MATTHEWS	1961	1961	\$ 1,700.00	0.11183	\$ 190.11	52
89	BALSAM ST	AT ELMWOOD	WOODS-MATTHEWS	1961	1961	\$ 1,700.00	0.11183	\$ 190.11	52
95	CHASES LN	AT #205-#221	WOODS-MATTHEWS	1961	1961	\$ 1,700.00	0.11183	\$ 190.11	52
104	ROSEDALE AVE	AT ROSEDALE TER	WOODS-MATTHEWS	1961	1961	\$ 1,700.00	0.11183	\$ 190.11	52
142	HALL AVE	AT SHEFFIELD	WOODS-MATTHEWS	1961	1961	\$ 1,700.00	0.11183	\$ 190.11	52
452	EDGAR CT	OPP #26	WOODS-MATTHEWS	1961	1961	\$ 1,700.00	0.11183	\$ 190.11	52
493	FAXON GREEN		WOODS-MATTHEWS	1961	1961	\$ 1,700.00	0.11183	\$ 190.11	52
96	HAYMAKER RD	AT VALLEY	WOODS-MATTHEWS	1962	1962	\$ 1,700.00	0.11507	\$ 195.62	51
100	JAMES ST	AT WOLCOTT	WOODS-MATTHEWS	1962	1962	\$ 1,700.00	0.11507	\$ 195.62	51
107	OAKWOOD RD	AT RIDGEWOOD	WOODS-MATTHEWS	1962	1962	\$ 1,700.00	0.11507	\$ 195.62	51
112	ALLSTON AVE	AT #99	WOODS-MATTHEWS	1963	1963	\$ 1,700.00	0.11669	\$ 198.38	50
114	CONCORD DR	AT #19-#21	WOODS-MATTHEWS	1963	1963	\$ 1,700.00	0.11669	\$ 198.38	50
116	SQUANTUM DR		EDDY VALVE	1963	1963	\$ 1,700.00	0.11669	\$ 198.38	50
117	NAMQUID DR		EDDY VALVE	1963	1963	\$ 1,700.00	0.11669	\$ 198.38	50
121	SEASCAPE AVE		EDDY VALVE	1963	1963	\$ 1,700.00	0.11669	\$ 198.38	50
141	HALL AVE	AT VAN ZANDT	WOODS-MATTHEWS	1963	1963	\$ 1,700.00	0.11669	\$ 198.38	50
143	HALSEY ST	AT SOUTHMAYD	EDDY VALVE	1963	1963	\$ 1,700.00	0.11669	\$ 198.38	50
22	RENFREW AVE	AT RESERVOIR	WOODS-MATTHEWS	1964	1964	\$ 1,700.00	0.11831	\$ 201.13	49
53	BLISS RD	BTW KAY BLVD AND KEEHER AVE	WOODS-MATTHEWS	1964	1964	\$ 1,700.00	0.11831	\$ 201.13	49
81	WOOLSEY RD		WOODS-MATTHEWS	1964	1964	\$ 1,700.00	0.11831	\$ 201.13	49
82	WOOLSEY RD		WOODS-MATTHEWS	1964	1964	\$ 1,700.00	0.11831	\$ 201.13	49
91	CHAPEL ST	AT #2 CHAPEL TER	WOODS-MATTHEWS	1964	1964	\$ 1,700.00	0.11831	\$ 201.13	49
101	BLISS MINE RD	AT ACACIA	WOODS-MATTHEWS	1964	1964	\$ 1,700.00	0.11831	\$ 201.13	49
102	PHELPS RD	AT VILLAGE LN	WOODS-MATTHEWS	1964	1964	\$ 1,700.00	0.11831	\$ 201.13	49
127	GRIFFIN RD	AT VALLEY	WOODS-MATTHEWS	1964	1964	\$ 1,700.00	0.11831	\$ 201.13	49
338	STACEY ST	BTW PALMER/NORMAN	WOODS-MATTHEWS	1964	1964	\$ 1,700.00	0.11831	\$ 201.13	49
348	HAMMOND ST	MIDDLE	WOODS-MATTHEWS	1964	1964	\$ 1,700.00	0.11831	\$ 201.13	49
454	CHESTNUT ST	AT #6	WOODS-MATTHEWS	1964	1964	\$ 1,700.00	0.11831	\$ 201.13	49

#	LOCATION	LOCATION2	MAKE / MODEL	MODEL YEAR	YEAR INSTALLED	CURRENT COST	Handy-Whitman Original Cost Factor	Estimated Original Cost	Age
510	TOURO ST	OPP SCHOOL	WOODS-MATTHEWS	1964	1964	\$ 1,700.00	0.11831	\$ 201.13	49
3	WEST MAIN RD	AT VANICEK	WOODS-MATTHEWS	1965	1965	\$ 1,700.00	0.11994	\$ 203.89	48
10	WEST MAIN RD	AT OLIPHANT	WOODS-MATTHEWS	1965	1965	\$ 1,700.00	0.11994	\$ 203.89	48
20	RED CROSS AVE	AT OLD BEACH	WOODS-MATTHEWS	1965	1965	\$ 1,700.00	0.11994	\$ 203.89	48
21	BEDLOW AVE	AT #16	WOODS-MATTHEWS	1965	1965	\$ 1,700.00	0.11994	\$ 203.89	48
51	BLISS RD	AT #17	WOODS-MATTHEWS	1965	1965	\$ 1,700.00	0.11994	\$ 203.89	48
54	BLISS MINE RD	AT #72	WOODS-MATTHEWS	1965	1965	\$ 1,700.00	0.11994	\$ 203.89	48
55	WHITE TER	BTW KANE/WOLCOTT	WOODS-MATTHEWS	1965	1965	\$ 1,700.00	0.11994	\$ 203.89	48
79	WEST MAIN RD	AT ROCKWOOD	WOODS-MATTHEWS	1965	1965	\$ 1,700.00	0.11994	\$ 203.89	48
152	HAZARD AVE	MIDDLE	KENNEDY	1965	1965	\$ 1,700.00	0.11994	\$ 203.89	48
166	HEROY AVE	AT LAWRENCE	WOODS-MATTHEWS	1965	1965	\$ 1,700.00	0.11994	\$ 203.89	48
174	MALBONE RD	AT #22	WOODS-MATTHEWS	1965	1965	\$ 1,700.00	0.11994	\$ 203.89	48
176	MALBONE RD	AT SHEFFIELD	WOODS-MATTHEWS	1965	1965	\$ 1,700.00	0.11994	\$ 203.89	48
221	RED CROSS AVE	OPP RED CROSS TER	WOODS-MATTHEWS	1965	1965	\$ 1,700.00	0.11994	\$ 203.89	48
312	WASHINGTON SQ	OPP CHARLES	WOODS-MATTHEWS	1965	1965	\$ 1,700.00	0.11994	\$ 203.89	48
327	BEDLOW AVE	AT #56	WOODS-MATTHEWS	1965	1965	\$ 1,700.00	0.11994	\$ 203.89	48
331	EASTNOR RD	AT #15	WOODS-MATTHEWS	1965	1965	\$ 1,700.00	0.11994	\$ 203.89	48
345	KAY ST	AT GIBBS	WOODS-MATTHEWS	1965	1965	\$ 1,700.00	0.11994	\$ 203.89	48
370	TRAINING STATION RD		WOODS-MATTHEWS	1965	1965	\$ 1,700.00	0.11994	\$ 203.89	48
381	KAY ST	AT EUSTIS	WOODS-MATTHEWS	1965	1965	\$ 1,700.00	0.11994	\$ 203.89	48
399	CRANSTON AVE	AT TYLER	WOODS-MATTHEWS	1965	1965	\$ 1,700.00	0.11994	\$ 203.89	48
411	HIGH ST	AT MARY	KENNEDY	1965	1965	\$ 1,700.00	0.11994	\$ 203.89	48
14	AQUIDNECK AVE	BTW BRIARWOOD/NEWPORT	WOODS-MATTHEWS	1966	1966	\$ 1,700.00	0.12156	\$ 206.65	47
134	EAST MAIN RD	NEAR TURNER	WOODS-MATTHEWS	1966	1966	\$ 1,700.00	0.12156	\$ 206.65	47
135	EAST MAIN RD		WOODS-MATTHEWS	1966	1966	\$ 1,700.00	0.12156	\$ 206.65	47
136	EAST MAIN RD	OPP CHAVES GARDENS	WOODS-MATTHEWS	1966	1966	\$ 1,700.00	0.12156	\$ 206.65	47
203	OCHRE POINT AVE	AT VICTORIA	WOODS-MATTHEWS	1966	1966	\$ 1,700.00	0.12156	\$ 206.65	47
295	TOURO ST	OPP CLARKE	WOODS-MATTHEWS	1966	1966	\$ 1,700.00	0.12156	\$ 206.65	47
302	WARNER ST	OPP #49	WOODS-MATTHEWS	1965	1966	\$ 1,700.00	0.12156	\$ 206.65	47
304	WARNER ST	AT CLINTON	WOODS-MATTHEWS	1965	1966	\$ 1,700.00	0.12156	\$ 206.65	47
88	PAUL ST		WOODS-MATTHEWS	1967	1967	\$ 1,700.00	0.12318	\$ 209.40	46
90	WILLOW ST	AT EVERGREEN	WOODS-MATTHEWS	1967	1967	\$ 1,700.00	0.12318	\$ 209.40	46
130	WOLCOTT AVE	AT BRIARWOOD	WOODS-MATTHEWS	1965	1967	\$ 1,700.00	0.12318	\$ 209.40	46
132	TUCKERMAN AVE	AT KANE	WOODS-MATTHEWS	1967	1967	\$ 1,700.00	0.12318	\$ 209.40	46
137	EAST MAIN RD	AT OLIPHANT	WOODS-MATTHEWS	1967	1967	\$ 1,700.00	0.12318	\$ 209.40	46
182	SPRING ST	AT MARY	WOODS-MATTHEWS	1965	1967	\$ 1,700.00	0.12318	\$ 209.40	46
207	SPRING ST	AT PELHAM	WOODS-MATTHEWS	1965	1967	\$ 1,700.00	0.12318	\$ 209.40	46
213	SPRING ST	AT POPE	WOODS-MATTHEWS	1965	1967	\$ 1,700.00	0.12318	\$ 209.40	46
252	BOWERY ST	AT SPRING	WOODS-MATTHEWS	1967	1967	\$ 1,700.00	0.12318	\$ 209.40	46
253	SPRING ST	OPP DENNISON	WOODS-MATTHEWS	1955	1967	\$ 1,700.00	0.12318	\$ 209.40	46
17	BEACON HILL RD	AT "WYNDHAM"	WOODS-MATTHEWS	1968	1968	\$ 1,700.00	0.12480	\$ 212.16	45
42	AQUIDNECK AVE	AT #177	WOODS-MATTHEWS	1968	1968	\$ 1,700.00	0.12480	\$ 212.16	45
72	BROADWAY	AT AYRAULT	WOODS-MATTHEWS	1968	1968	\$ 1,700.00	0.12480	\$ 212.16	45
122	ELLERY AVE	AT NEWPORT	WOODS-MATTHEWS	1968	1968	\$ 1,700.00	0.12480	\$ 212.16	45
129	LONGMEADOW AVE	AT #16-#18	WOODS-MATTHEWS	1968	1968	\$ 1,700.00	0.12480	\$ 212.16	45
133	GIBBS AVE	AT EADIE	WOODS-MATTHEWS	1968	1968	\$ 1,700.00	0.12480	\$ 212.16	45
150	GATE 17 ACCESS RD	AT WEST MAIN	RD WOODS	1968	1968	\$ 1,700.00	0.12480	\$ 212.16	45
156	WYATT RD	AT BERKELEY	WOODS-MATTHEWS	1968	1968	\$ 1,700.00	0.12480	\$ 212.16	45
215	POWELL AVE	AT NPT HOSPITAL	WOODS-MATTHEWS	1968	1968	\$ 1,700.00	0.12480	\$ 212.16	45
248.2	SHEPARD AVE	BTW BELLEVUE/LAWRENCE	WOODS-MATTHEWS	1968	1968	\$ 1,700.00	0.12480	\$ 212.16	45
256	SPRING ST	OPP FRANKLIN	WOODS-MATTHEWS	1968	1968	\$ 1,700.00	0.12480	\$ 212.16	45
287	THIRD ST	AT CYPRESS	WOODS-MATTHEWS	1968	1968	\$ 1,700.00	0.12480	\$ 212.16	45
382	VAUGHN AVE	MIDDLE	KENNEDY	1968	1968	\$ 1,700.00	0.12480	\$ 212.16	45
463	CHARTIER CIR	AT #19	WOODS-MATTHEWS	1968	1968	\$ 1,700.00	0.12480	\$ 212.16	45
464	CHARTIER CIR	OPP DORIS	WOODS-MATTHEWS	1968	1968	\$ 1,700.00	0.12480	\$ 212.16	45
465	WINANS AVE	BTW DORIS/ATLANTIC	WOODS-MATTHEWS	1968	1968	\$ 1,700.00	0.12480	\$ 212.16	45
475	HAZARD RD	BTW HIGHLAND/OCEAN HGTS	KENNEDY	1968	1968	\$ 1,700.00	0.12480	\$ 212.16	45
488	CLIFF AVE	AT MEM BLVD	WOODS-MATTHEWS	1968	1968	\$ 1,700.00	0.12480	\$ 212.16	45
8	AYRAULT ST	AT #21	WOODS-MATTHEWS	1968	1969	\$ 1,700.00	0.12966	\$ 220.42	44
128	SQUANTUM DR		RD WOODS	1969	1969	\$ 1,700.00	0.12966	\$ 220.42	44
142	REARDON DR		WOODS-MATTHEWS	1969	1969	\$ 1,700.00	0.12966	\$ 220.42	44
143	REARDON DR		WOODS-MATTHEWS	1969	1969	\$ 1,700.00	0.12966	\$ 220.42	44
145	GREEN END AVE	AT GRAND ISLANDER	WOODS-MATTHEWS	1969	1969	\$ 1,700.00	0.12966	\$ 220.42	44
147	ALGONQUIN DR	AT #5-#7	WOODS-MATTHEWS	1969	1969	\$ 1,700.00	0.12966	\$ 220.42	44
149	POCOHONTAS DR		WOODS-MATTHEWS	1969	1969	\$ 1,700.00	0.12966	\$ 220.42	44
155	HUNTER AVE	AT #55	WOODS-MATTHEWS	1969	1969	\$ 1,700.00	0.12966	\$ 220.42	44
157	POWELL AVE	AT KAY	WOODS-MATTHEWS	1969	1969	\$ 1,700.00	0.12966	\$ 220.42	44
190	NARRAGANSETT AVE	AT OCHRE POINT	WOODS-MATTHEWS	1969	1969	\$ 1,700.00	0.12966	\$ 220.42	44
193	NARRAGANSETT AVE	AT CLAY	WOODS-MATTHEWS	1969	1969	\$ 1,700.00	0.12966	\$ 220.42	44
478	WARD AVE	MIDDLE	WOODS-MATTHEWS	1968	1969	\$ 1,700.00	0.12966	\$ 220.42	44
61	BROADWAY	AT ADMIRAL KALBFUS	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
76	BROOKS AVE	AT #17	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
97	FOREST AVE	NEAR WILSON	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
124	FRIENDSHIP ST	OPP HOPE	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
137	GREENOUGH PL	BTW PELL/AYRAULT	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
139	GREENOUGH PL	AT #24	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
159	KAY ST	AT AYRAULT	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
170	LONG WHARF	OPP WASHINGTON SQUARE	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
183	BERKELEY AVE	BTW WYATT/WYNDHAM	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
224	RHODE ISLAND AVE	AT OLD BEACH	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
225	RHODE ISLAND AVE	OPP ST MICHAELS SCHOOL	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
245	SECOND ST	AT WILLOW	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
249	WEBSTER ST	AT SPRING	WOODS-MATTHEWS	1968	1970	\$ 1,700.00	0.13614	\$ 231.44	43
257	SPRING ST	AT SHERMAN	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
261	SUMMER ST	AT #13	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
281	BRIDGE ST	AT THIRD	WOODS-MATTHEWS	1969	1970	\$ 1,700.00	0.13614	\$ 231.44	43
288	THIRD ST	AT DYRE ST	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43

#	LOCATION	LOCATION2	MAKE / MODEL	MODEL YEAR	YEAR INSTALLED	CURRENT COST	Handy-Whitman Original Cost Factor	Estimated Original Cost	Age
297	VAN ZANDT AVE	AT HALSEY	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
313	WEBSTER ST	NEAR LAWRENCE	WOODS-MATTHEWS	1968	1970	\$ 1,700.00	0.13614	\$ 231.44	43
314	WEBSTER ST	AT #34	WOODS-MATTHEWS	1968	1970	\$ 1,700.00	0.13614	\$ 231.44	43
321	WHITWELL ST	AT #19	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
324	VICKSBURG PL		WOODS-MATTHEWS	1969	1970	\$ 1,700.00	0.13614	\$ 231.44	43
339	EUSTIS AVE	AT WILBUR	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
385	FRANCIS ST	AT EVERETT	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
451	WELLINGTON AVE	AT COLUMBUS	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
479	POPE ST	AT ANTHONY	WOODS-MATTHEWS	1969	1970	\$ 1,700.00	0.13614	\$ 231.44	43
480	PRESCOTT HALL RD	AT EVART	WOODS-MATTHEWS	1969	1970	\$ 1,700.00	0.13614	\$ 231.44	43
482	GARFIELD ST	AT #81	WOODS-MATTHEWS	1968	1970	\$ 1,700.00	0.13614	\$ 231.44	43
485	FOWLER AVE	BTW BLISS/BROADWAY	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
486	VERNON AVE	AT #32	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
492	LAWRENCE AVE	AT VICTORIA	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
494	MARKET SQ		WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
495	COMMONWEALTH AVE	AT WINANS	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
570	LIBERTY ST	AT END	WOODS-MATTHEWS	1970	1970	\$ 1,700.00	0.13614	\$ 231.44	43
11	PARADISE AVE	AT RESERVOIR	WOODS-MATTHEWS	1971	1971	\$ 1,700.00	0.15235	\$ 259.00	42
15	PURGATORY RD	AT ASHURST	WOODS-MATTHEWS	1971	1971	\$ 1,700.00	0.15235	\$ 259.00	42
29	BEACON TER	AT #9	WOODS-MATTHEWS	1971	1971	\$ 1,700.00	0.15235	\$ 259.00	42
48	CREST ST	AT WOLCOTT	WOODS-MATTHEWS	1971	1971	\$ 1,700.00	0.15235	\$ 259.00	42
83	WOOLSEY RD		WOODS-MATTHEWS	1971	1971	\$ 1,700.00	0.15235	\$ 259.00	42
108	TUCKERMAN AVE	NEAR WOLCOTT	WOODS-MATTHEWS	1971	1971	\$ 1,700.00	0.15235	\$ 259.00	42
109	ESPLANADE	AT #92-#98	WOODS-MATTHEWS	1971	1971	\$ 1,700.00	0.15235	\$ 259.00	42
129	GIBBS AVE	AT OLD BEACH	WOODS-MATTHEWS	1971	1971	\$ 1,700.00	0.15235	\$ 259.00	42
158	KAY ST	AT EVERETT	WOODS-MATTHEWS	1971	1971	\$ 1,700.00	0.15235	\$ 259.00	42
158	ROGERS LN	SECOND	WOODS-MATTHEWS	1971	1971	\$ 1,700.00	0.15235	\$ 259.00	42
159	ROGERS LN	THIRD	WOODS-MATTHEWS	1971	1971	\$ 1,700.00	0.15235	\$ 259.00	42
161	SHERRI LN	AT ADELAIDE	WOODS-MATTHEWS	1971	1971	\$ 1,700.00	0.15235	\$ 259.00	42
162	DRAPER ST	AT RESERVOIR	WOODS-MATTHEWS	1971	1971	\$ 1,700.00	0.15235	\$ 259.00	42
163	WOLCOTT AVE	AT PURGATORY	WOODS-MATTHEWS	1971	1971	\$ 1,700.00	0.15235	\$ 259.00	42
168	MEMORIAL BLVD WEST	AT THOMAS	KENNEDY	1971	1971	\$ 1,700.00	0.15235	\$ 259.00	42
175	TONI LYNN TER	AT RESERVOIR	WOODS-MATTHEWS	1971	1971	\$ 1,700.00	0.15235	\$ 259.00	42
228	RHODE ISLAND AVE	BTW KAY/CHAMPLIN	WOODS-MATTHEWS	1971	1971	\$ 1,700.00	0.15235	\$ 259.00	42
270	KANE AVE	AT PURGATORY	RD WOODS	1971	1971	\$ 1,700.00	0.15235	\$ 259.00	42
277	THAMES ST	SOUTH OF WASHINGTON SQ	WOODS-MATTHEWS	1970	1971	\$ 1,700.00	0.15235	\$ 259.00	42
278	THAMES ST	OPP MARY	WOODS-MATTHEWS	1970	1971	\$ 1,700.00	0.15235	\$ 259.00	42
342	LEDYARD ST	AT #5	KENNEDY	1971	1971	\$ 1,700.00	0.15235	\$ 259.00	42
496	ELLERY RD	AT EUSTIS	WOODS-MATTHEWS	1971	1971	\$ 1,700.00	0.15235	\$ 259.00	42
557	HALIDON AVE	NEAR YACHT CLUB	WOODS-MATTHEWS	1971	1971	\$ 1,700.00	0.15235	\$ 259.00	42
7	VERNON AVE	AT BLISS MINE	WOODS-MATTHEWS	1972	1972	\$ 1,700.00	0.15883	\$ 270.02	41
19	OLD BEACH RD	OPP SUNNYSIDE	WOODS-MATTHEWS	1972	1972	\$ 1,700.00	0.15883	\$ 270.02	41
21	WEST MAIN RD		WOODS-MATTHEWS	1972	1972	\$ 1,700.00	0.15883	\$ 270.02	41
66	SHERWOOD RD		WOODS-MATTHEWS	1972	1972	\$ 1,700.00	0.15883	\$ 270.02	41
80	HEATH ST	AT CALLENDER	WOODS-MATTHEWS	1972	1972	\$ 1,700.00	0.15883	\$ 270.02	41
98	COGGESHALL AVE	AT OCEAN	WOODS-MATTHEWS	1972	1972	\$ 1,700.00	0.15883	\$ 270.02	41
102	COGGESHALL AVE	BTW ALMY CT/MURRAY PL	WOODS-MATTHEWS	1972	1972	\$ 1,700.00	0.15883	\$ 270.02	41
112	PARKER AVE	OPP #27	WOODS-MATTHEWS	1972	1972	\$ 1,700.00	0.15883	\$ 270.02	41
166	EAST MAIN RD	AT TOWN HALL	WOODS-MATTHEWS	1972	1972	\$ 1,700.00	0.15883	\$ 270.02	41
170	HIGH ST	BTW O'NEILL/EVERGREEN	WOODS-MATTHEWS	1972	1972	\$ 1,700.00	0.15883	\$ 270.02	41
430	FREEBORN ST	AT #28	WOODS-MATTHEWS	1972	1972	\$ 1,700.00	0.15883	\$ 270.02	41
476	OCEAN HEIGHTS	NEAR HAZARD RD	WOODS-MATTHEWS	1972	1972	\$ 1,700.00	0.15883	\$ 270.02	41
498	BAYSIDE VILLAGE	OPP BLDG #2	RD WOODS	1972	1972	\$ 1,700.00	0.15883	\$ 270.02	41
499	BAYSIDE VILLAGE	AT #1	RD WOODS	1972	1972	\$ 1,700.00	0.15883	\$ 270.02	41
2	WEST MAIN RD		WOODS-MATTHEWS	1973	1973	\$ 1,700.00	0.16207	\$ 275.53	40
13	KAY ST	AT #148	WOODS-MATTHEWS	1973	1973	\$ 1,700.00	0.16207	\$ 275.53	40
57	WOLCOTT AVE	AT TUCKERMAN	WOODS-MATTHEWS	1973	1973	\$ 1,700.00	0.16207	\$ 275.53	40
94	CALVERT ST	AT BROADWAY	WOODS-MATTHEWS	1973	1973	\$ 1,700.00	0.16207	\$ 275.53	40
99	HIGH ST	BTW PAUL/EVERGREEN	WOODS-MATTHEWS	1973	1973	\$ 1,700.00	0.16207	\$ 275.53	40
167	EAST MAIN RD	AT MARSHALLS PLAZA	WOODS-MATTHEWS	1973	1973	\$ 1,700.00	0.16207	\$ 275.53	40
171	FOREST AVE	AT FRANCISCO	WOODS-MATTHEWS	1973	1973	\$ 1,700.00	0.16207	\$ 275.53	40
448	CHAMPLIN PL NORTH	AT ELLERY	WOODS-MATTHEWS	1973	1973	\$ 1,700.00	0.16207	\$ 275.53	40
136	THAMES ST	OPP GREEN ST	WOODS-MATTHEWS	1969	1974	\$ 1,700.00	0.17828	\$ 303.08	39
138	EAST MAIN RD	AT #1105	WOODS-MATTHEWS	1974	1974	\$ 1,700.00	0.17828	\$ 303.08	39
172	NEWPORT AVE	AT CENTER	WOODS-MATTHEWS	1974	1974	\$ 1,700.00	0.17828	\$ 303.08	39
356	COMMERCIAL WHF	AT AMERICAS CUP	WOODS-MATTHEWS	1974	1974	\$ 1,700.00	0.17828	\$ 303.08	39
18	OLD BEACH RD	AT COTTAGE	WOODS-MATTHEWS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38
76	WOLCOTT AVE	AT AQUIDNECK	RD WOODS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38
92	MAPLE AVE	AT MAPLE TER	RD WOODS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38
99	COGGESHALL AVE	AT #210	WOODS-MATTHEWS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38
140	HALL AVE	AT #18	WOODS-MATTHEWS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38
149	HARRISON AVE	AT BRENTON	WOODS-MATTHEWS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38
160	PELL ST	AT KAY	WOODS-MATTHEWS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38
173	VALLEY RD	1ST NORTH OF AQUIDNECK	WOODS-MATTHEWS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38
176	VALLEY RD	AT JOHN CLARKE RETIREMENT	WOODS-MATTHEWS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38
177	AQUIDNECK AVE	NEAR JOHN CLARKE	WOODS-MATTHEWS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38
178	AQUIDNECK AVE	S OF GUNNING CT	WOODS-MATTHEWS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38
179	OLIPHANT LN		WOODS-MATTHEWS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38
237	RUGGLES AVE	EAST OF BELLEVUE	WOODS-MATTHEWS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38
243	PINE ST	AT SECOND	WOODS-MATTHEWS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38
335	W NARRAGANSETT AVE	AT MARCHANT	WOODS-MATTHEWS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38
391	AMERICAS CUP AVE	BTW SCOTTS/BANISTERS WHF	WOODS-MATTHEWS	1973	1975	\$ 1,700.00	0.23663	\$ 402.27	38
428	DEXTER ST	OPP SULLIVAN SCHOOL	WOODS-MATTHEWS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38
453	EUSTIS AVE	AT CATHERINE	WOODS-MATTHEWS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38
457	OCEAN AVE	AT KINGS BEACH	WOODS-MATTHEWS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38
483	GARFIELD ST	AT MALBONE	WOODS-MATTHEWS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38
501	AMERICAS CUP AVE	BTW MARKET SQ/BANISTERS	WOODS-MATTHEWS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38

#	LOCATION	LOCATION2	MAKE / MODEL	MODEL YEAR	YEAR INSTALLED	CURRENT COST	Handy-Whitman		Age
							Original Cost Factor	Estimated Original Cost	
503	MALBONE RD	AT ADM KALBFUS	WOODS-MATTHEWS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38
511	CAREY ST	AT SPRING	WOODS-MATTHEWS	1975	1975	\$ 1,700.00	0.23663	\$ 402.27	38
9	BARNEY ST	BTW RUSSO CT/BARNEY CT	WOODS-MATTHEWS	1974	1976	\$ 1,700.00	0.24959	\$ 424.31	37
103	MIANTONOMI AVE	AT FREEBORN	WOODS-MATTHEWS	1976	1976	\$ 1,700.00	0.24959	\$ 424.31	37
217	PRAIRIE AVE	AT CHAMPLIN	WOODS-MATTHEWS	1976	1976	\$ 1,700.00	0.24959	\$ 424.31	37
289	TRAINING STATION RD	AT THIRD	WOODS-MATTHEWS	1976	1976	\$ 1,700.00	0.24959	\$ 424.31	37
490	LAWRENCE AVE	BTW SHEPARD/LEROY	WOODS-MATTHEWS	1976	1976	\$ 1,700.00	0.24959	\$ 424.31	37
255	SPRING ST	AT WILLIAM	WOODS-MATTHEWS	1977	1977	\$ 1,700.00	0.26256	\$ 446.35	36
255	DRAPER ST	IN MIDDLE	RD WOODS	1977	1977	\$ 1,700.00	0.26256	\$ 446.35	36
257	BROWNS LN		RD WOODS	1977	1977	\$ 1,700.00	0.26256	\$ 446.35	36
374	VAN ZANDT AVE	AT BUTLER	WOODS-MATTHEWS	1977	1977	\$ 1,700.00	0.26256	\$ 446.35	36
27	STOCKTON DR		WOODS-MATTHEWS	1978	1978	\$ 1,700.00	0.28039	\$ 476.66	35
58	BRIDGE ST	AT CROSS	WOODS-MATTHEWS	1977	1978	\$ 1,700.00	0.28039	\$ 476.66	35
79	BUTLER ST	AT EVART	WOODS-MATTHEWS	1978	1978	\$ 1,700.00	0.28039	\$ 476.66	35
92	CHURCH ST	AT HIGH	WOODS-MATTHEWS	1977	1978	\$ 1,700.00	0.28039	\$ 476.66	35
113	EARL AVE	OPP #19	WOODS-MATTHEWS	1978	1978	\$ 1,700.00	0.28039	\$ 476.66	35
120	FAREWELL ST	AT WARNER	WOODS-MATTHEWS	1978	1978	\$ 1,700.00	0.28039	\$ 476.66	35
121	FAREWELL ST	AT N BAPTIST	WOODS-MATTHEWS	1977	1978	\$ 1,700.00	0.28039	\$ 476.66	35
156	JOHN ST	AT MARTIN	WOODS-MATTHEWS	1977	1978	\$ 1,700.00	0.28039	\$ 476.66	35
181	MALONEY LN	NEAR WOLCOTT	RD WOODS	1978	1978	\$ 1,700.00	0.28039	\$ 476.66	35
208	PELHAM ST	AT CORNE	WOODS-MATTHEWS	1977	1978	\$ 1,700.00	0.28039	\$ 476.66	35
219	PROSPECT HILL ST	BTW MARTIN/BELLEVUE	WOODS-MATTHEWS	1978	1978	\$ 1,700.00	0.28039	\$ 476.66	35
244	VALLEY RD		WOODS-MATTHEWS	1978	1978	\$ 1,700.00	0.28039	\$ 476.66	35
275	PELHAM ST	AT THAMES	WOODS-MATTHEWS	1977	1978	\$ 1,700.00	0.28039	\$ 476.66	35
279	CODDINGTON ST	AT THAMES	WOODS-MATTHEWS	1977	1978	\$ 1,700.00	0.28039	\$ 476.66	35
280	MARLBOROUGH ST	AT THAMES	WOODS-MATTHEWS	1978	1978	\$ 1,700.00	0.28039	\$ 476.66	35
293	APPLEBY ST	AT TILDEN	WOODS-MATTHEWS	1978	1978	\$ 1,700.00	0.28039	\$ 476.66	35
334	PELHAM ST	AT TOURO PARK WEST	WOODS-MATTHEWS	1978	1978	\$ 1,700.00	0.28039	\$ 476.66	35
343	ELM ST	AT #14	WOODS-MATTHEWS	1977	1978	\$ 1,700.00	0.28039	\$ 476.66	35
346	EDWARD ST	AT WHEATLAND BLVD	WOODS-MATTHEWS	1978	1978	\$ 1,700.00	0.28039	\$ 476.66	35
353	BRAMAN ST	AT #11	WOODS-MATTHEWS	1977	1978	\$ 1,700.00	0.28039	\$ 476.66	35
363	MARLBOROUGH ST	AT BROADWAY	WOODS-MATTHEWS	1978	1978	\$ 1,700.00	0.28039	\$ 476.66	35
367	CHURCH ST	AT THAMES	WOODS-MATTHEWS	1970	1978	\$ 1,700.00	0.28039	\$ 476.66	35
380	BLISS RD	AT WHITWELL	WOODS-MATTHEWS	1970	1978	\$ 1,700.00	0.28039	\$ 476.66	35
409	CLARKE ST	AT MARY	WOODS-MATTHEWS	1978	1978	\$ 1,700.00	0.28039	\$ 476.66	35
477	OCEAN HEIGHTS	MIDDLE	WOODS-MATTHEWS	1978	1978	\$ 1,700.00	0.28039	\$ 476.66	35
508	FAREWELL ST	AT CODDINGTON	WOODS-MATTHEWS	1977	1978	\$ 1,700.00	0.28039	\$ 476.66	35
509	FAREWELL ST	AT BRAMAN	WOODS-MATTHEWS	1977	1978	\$ 1,700.00	0.28039	\$ 476.66	35
513	CROSS ST	AT ELM	WOODS-MATTHEWS	1978	1978	\$ 1,700.00	0.28039	\$ 476.66	35
514	GREEN ST	AT THAMES	WOODS-MATTHEWS	1978	1978	\$ 1,700.00	0.28039	\$ 476.66	35
516	CALLENDER AVE	AT #76	WOODS-MATTHEWS	1978	1978	\$ 1,700.00	0.28039	\$ 476.66	35
518	JOHN ST	AT BELLEVUE	WOODS-MATTHEWS	1977	1978	\$ 1,700.00	0.28039	\$ 476.66	35
519	PROSPECT HILL ST	AT MARTIN	WOODS-MATTHEWS	1977	1978	\$ 1,700.00	0.28039	\$ 476.66	35
521	WILLIAM ST	AT KING	WOODS-MATTHEWS	1977	1978	\$ 1,700.00	0.28039	\$ 476.66	35
523	KIRWINS 5TH WARD LN	AT GOODWIN	WOODS-MATTHEWS	1978	1978	\$ 1,700.00	0.28039	\$ 476.66	35
78	BULL ST	AT SPRING	WOODS-MATTHEWS	1979	1979	\$ 1,700.00	0.29984	\$ 509.72	34
93	SPRING ST	AT CHURCH	KENNEDY	1979	1979	\$ 1,700.00	0.29984	\$ 509.72	34
160	ROGERS LN	FOURTH	WOODS-MATTHEWS	1979	1979	\$ 1,700.00	0.29984	\$ 509.72	34
187	COGGESHALL WAY	AT #5-#7	WOODS-MATTHEWS	1979	1979	\$ 1,700.00	0.29984	\$ 509.72	34
188	COGGESHALL WAY	AT #13-#15	WOODS-MATTHEWS	1979	1979	\$ 1,700.00	0.29984	\$ 509.72	34
190	COGGESHALL WAY		WOODS-MATTHEWS	1979	1979	\$ 1,700.00	0.29984	\$ 509.72	34
223	RHODE ISLAND AVE	AT MEMORIAL	WOODS-MATTHEWS	1979	1979	\$ 1,700.00	0.29984	\$ 509.72	34
240	RUGGLES AVE	AT OCHRE POINT	WOODS-MATTHEWS	1979	1979	\$ 1,700.00	0.29984	\$ 509.72	34
266	THAMES ST	AT GOODWIN	WOODS-MATTHEWS	1975	1979	\$ 1,700.00	0.29984	\$ 509.72	34
269	THAMES ST	OPP HOWARD	WOODS-MATTHEWS	1978	1979	\$ 1,700.00	0.29984	\$ 509.72	34
282	THIRD ST	AT POPLAR	KENNEDY	1979	1979	\$ 1,700.00	0.29984	\$ 509.72	34
526	THAMES ST	AT GRAFTON	WOODS-MATTHEWS	1979	1979	\$ 1,700.00	0.29984	\$ 509.72	34
527	THAMES ST	AT HARRINGTON	WOODS-MATTHEWS	1975	1979	\$ 1,700.00	0.29984	\$ 509.72	34
57	BRADFORD AVE	OPP #10	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
110	COUNTY ST	OPP UNION	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
116	EASTNOR RD	AT #33	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
123	MIANTONOMI AVE	AT GREEN END	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
148	ALGONQUIN DR	AT #25-#27	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
169	LINCOLN ST	MIDDLE	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
185	JH DWYER DR	AT #12	RD WOODS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
189	COGGESHALL WAY	AT #14-#16	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
191	NARRAGANSETT AVE	AT ANNANDALE	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
192	NARRAGANSETT AVE	BTW ANNANDALE/CLAY	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
200	WEDGEWOOD RD		WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
201	WEDGEWOOD RD		WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
202	WEDGEWOOD RD	NEAR GRIFFIN	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
203	BEECHLAND PL	AT GREEN END	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
214	AMERICAS CUP AVE	AT POPLAR	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
222	JEPSON LN		WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
274	FRANKLIN ST	AT THAMES	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
306	WASHINGTON ST	SOUTH OF CAUSEWAY	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
307	WASHINGTON ST	AT BRIDGE	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
308	POPLAR ST	AT WASHINGTON	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
309	WASHINGTON ST	AT WALNUT	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
310	WASHINGTON ST	AT CHERRY	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
311	WASHINGTON ST	OPP BATTERY	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
336	OLD FORT RD	AT NORMAN	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
349	KERINS TER	AT BATEMAN	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
403	EUSTIS AVE	AT #83	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
410	DIVISION ST	AT MARY	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
421	BEACON HILL RD	NEAR EDGEHILL	WOODS-MATTHEWS	1977	1980	\$ 1,700.00	0.32739	\$ 556.56	33
497	ELLERY RD	AT HUNTER	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33

#	LOCATION	LOCATION2	MAKE / MODEL	MODEL YEAR	YEAR INSTALLED	CURRENT COST	Handy-Whitman		Age
							Original Cost Factor	Estimated Original Cost	
524	BEACON HILL RD	AT #58 (JAMES ESTATE)	WOODS-MATTHEWS	1978	1980	\$ 1,700.00	0.32739	\$ 556.56	33
529	YOUNG ST	AT #25	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
531	BEACON HILL RD	OPP "BLUE GARDENS"	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
532	BEACON HILL RD	NEAR #86 (GREY WALLS)	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
533	HAMMERSMITH RD	AT BEACON HILL	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
554	SPOUTING ROCK DR	SOUTH CORNER	WOODS-MATTHEWS	1980	1980	\$ 1,700.00	0.32739	\$ 556.56	33
								<b>\$ 104,022.37</b>	

Includes (13): MD, DC, WV, DE, NJ, PA, NY, CT, RI, MS, VT, NH, ME

Handy-Whitman Index - North Atlantic Region								
Original Date		Mains-Average All Types	Electric Pumping Equipment	Small Treatment Plant Equipment	Collecting and Impounding Res.	Elevated Steel Tanks	Average Index (Used for Land Only)	Structures and Improvements
1912		9		10	7	4		8
1913		10		10	7	4		8
1914		8	15	10	7	4		8
1915		9	15	10	7	11		9
1916		11	17	13	9	14		11
1917		16	20	17	13	16		16
1918		19	22	19	15	18		17
1919		20	24	19	15	19		18
1920		22	24	22	17	16		20
1921		22	23	20	16	13		18
1922		20	21	20	16	11		18
1923		21	22	20	16	12		18
1924		22	23	21	16	11		19
1925		21	23	20	16	10		18
1926		21	23	20	17	11		19
1927		21	23	20	17	10		18
1928		20	23	20	17	10		18
1929		20	22	20	17	10		18
1930		20	22	20	17	10		17
1931		20	22	19	16	9		16
1932		18	22	17	14	8		15
1933		18	23	17	14	8		15
1934		19	24	19	15	10		16
1935		19	24	19	15	10		16
1936		20	25	19	15	11		16
1937		21	26	21	17	12		18
1938		22	26	21	17	13		18
1939		22	26	21	17	13		18
1940		23	26	21	17	12		18
1941		23	27	22	18	15		19
1942		24	27	24	20	15		20
1943		25	27	24	20	14		21
1944		25	27	24	20	15		21
1945		26	27	25	21	14		22
1946		29	31	28	23	17		24
1947		35	39	33	27	23		28
1948		41	43	37	31	26		32
1949		42	45	39	32	25		35
1950		43	49	41	33	26		36
1951		45	55	43	35	28		38
1952		47	55	43	36	29		38
1953		48	55	44	38	31		39
1954		51	55	46	39	31		41
1955		53	56	47	41	33		43
1956		57	63	50	44	35		46
1957		60	69	53	47	38		49
1958		63	73	54	49	38		50

1959	65	74	56	51	38		52
1960	68	74	58	52	38		53
1961	69	71	58	53	37		53
1962	71	71	60	55	36		54
1963	72	71	60	56	37		55
1964	73	73	62	57	38		56
1965	74	74	63	59	38		57
1966	75	78	66	61	41		59
1967	76	81	68	64	44		61
1968	77	81	70	67	48		64
1969	80	84	74	72	55		69
1970	84	89	80	78	71		75
1971	94	93	90	83	80	88	84
1972	98	96	96	92	86	94	92
1973	100	100	100	100	100	100	100
1974	110	122	120	116	152	124	117
1975	146	155	139	129	183	150	127
1976	154	174	150	132	182	158	130
1977	162	184	160	141	183	166	137
1978	173	192	172	148	195	176	148
1979	185	205	186	164	206	189	163
1980	202	222	204	179	228	207	181
1981	219	245	223	189	250	225	191
1982	231	260	243	197	244	235	198
1983	239	271	259	206	197	234	206
1984	244	277	268	217	200	241	218
1985	254	282	279	227	198	248	225
1986	255	284	286	234	207	253	233
1987	263	299	293	238	219	262	239
1988	280	303	304	248	261	279	242
1989	296	336	319	255	267	295	257
1990	301	349	330	258	281	304	268
1991	310	350	335	262	286	309	271
1992	311	370	344	270	284	316	273
1993	322	378	355	282	249	317	288
1994	327	426	360	295	242	330	300
1995	332	437	365	302	250	337	314
1996	339	450	375	309	268	348	321
1997	347	473	388	317	273	360	331
1998	353	485	400	318	279	367	333
1999	358	499	408	314	285	373	341
2000	380	523	416	320	292	386	347
2001	383	531	431	328	305	395.6	370
2002	395	516	444	338	429	424.4	382
2003	407	534	456	344	429	434	393
2004	331	547	470	364	438	430	405
2005	462	604	498	388	524	495.2	442
2006	485	620	520	400	524	509.8	456
2007	524	639	539	413	657	554.4	481
2008	550	640	602	457	680	585.8	516
2009	624	679	666	470	866	661	551
2010	617	707	686	475	866	670.2	552

**PWFD 2-1  
ATTACHMENT C**

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
Cem Lined	2	162	\$22,842	1880	0.01459	\$ 333	133
Cast Iron	6	69	\$9,729	1880	0.01459	\$ 142	133
Cast Iron	4	500.61	\$70,586	1881	0.01459	\$ 1,030	132
Cast Iron	6	500	\$70,500	1881	0.01459	\$ 1,028	132
Cem Lined	1.5	200	\$28,200	1882	0.01459	\$ 411	131
Cem Lined	2	500	\$70,500	1885	0.01459	\$ 1,028	128
Iron Pipe	1.5	370	\$52,170	1886	0.01459	\$ 761	127
Tin	4	397.37	\$56,029	1886	0.01459	\$ 817	127
Cem Lined	2	314	\$44,274	1888	0.01459	\$ 646	125
Cement	1.5	200.45	\$28,263	1889	0.01459	\$ 412	124
Iron Pipe	1.5	730	\$102,930	1889	0.01459	\$ 1,501	124
Cem Lined	2	318	\$44,838	1889	0.01459	\$ 654	124
Cem Lined	1.5	300	\$42,300	1890	0.01459	\$ 617	123
Cem Lined	2	304	\$42,864	1890	0.01459	\$ 625	123
Iron Pipe	2	143.12	\$20,180	1890	0.01459	\$ 294	123
Cast Iron	4	204	\$28,764	1891	0.01459	\$ 420	122
Cem Lined	1.5	200	\$28,200	1892	0.01459	\$ 411	121
Iron Pipe	2	513	\$72,333	1892	0.01459	\$ 1,055	121
Cast Iron	2	167.76	\$23,654	1893	0.01459	\$ 345	120
Cem Lined	2	328	\$46,248	1893	0.01459	\$ 675	120
Cast Iron	6	11.74	\$1,655	1893	0.01459	\$ 24	120
Cem Lined	1.5	115	\$16,215	1894	0.01459	\$ 237	119
Cem Lined	2	142.47	\$20,088	1894	0.01459	\$ 293	119
Cem Lined	2	175	\$24,675	1895	0.01459	\$ 360	118
Cem Lined	1.5	225	\$31,725	1896	0.01459	\$ 463	117
Cem Lined	2	328.23	\$46,280	1896	0.01459	\$ 675	117
cem Lined	1.5	166.25	\$23,441	1897	0.01459	\$ 342	116
Iron Pipe	2	300	\$42,300	1899	0.01459	\$ 617	114
Cem Lined	2	392	\$55,272	1900	0.01459	\$ 806	113
Cem Lined	2	506	\$71,346	1900	0.01459	\$ 1,041	113
Iron Pipe	2	180.12	\$25,397	1900	0.01459	\$ 370	113
Cast Iron	6	170.23	\$24,002	1900	0.01459	\$ 350	113
Cem Lined	2	248	\$34,968	1901	0.01459	\$ 510	112
Cast Iron	4	716.07	\$100,966	1901	0.01459	\$ 1,473	112
Cast Iron	4	263.26	\$37,120	1901	0.01459	\$ 541	112
Cem Lined	2	200	\$28,200	1902	0.01459	\$ 411	111
Cem Lined	2	515	\$72,615	1902	0.01459	\$ 1,059	111
Iron Pipe	2	323.6	\$45,628	1902	0.01459	\$ 666	111
AC	4	380	\$53,580	1902	0.01459	\$ 782	111
Cast Iron	4	285	\$40,185	1902	0.01459	\$ 586	111
Cast iron	4	264	\$37,224	1902	0.01459	\$ 543	111
Cem Lined	1.5	127	\$17,907	1903	0.01459	\$ 261	110
Cem Lined	1.5	200	\$28,200	1903	0.01459	\$ 411	110
Iron Pipe	2	326.9	\$46,093	1903	0.01459	\$ 672	110
Cast Iron	4	365.46	\$51,530	1903	0.01459	\$ 752	110
Cast iron	4	444	\$62,604	1903	0.01459	\$ 913	110
Cast Iron	4	10	\$1,410	1903	0.01459	\$ 21	110
Cast Iron	6	1490	\$210,090	1903	0.01459	\$ 3,065	110
Cem Lined	1	130.73	\$18,433	1904	0.01459	\$ 269	109
Cast Iron	4	207	\$29,187	1904	0.01459	\$ 426	109
Cast Iron	4	39.66	\$5,592	1904	0.01459	\$ 82	109
Iron Pipe	2	263	\$37,083	1905	0.01459	\$ 541	108
Cast Iron	6	349	\$49,209	1905	0.01459	\$ 718	108
AC	8	60	\$8,460	1905	0.01459	\$ 123	108
Ductile Iron	20	2743	\$729,638	1905	0.01459	\$ 10,643	108
Cem Lined	1.25	120	\$16,920	1906	0.01459	\$ 247	107
Cem Lined	1.5	132	\$18,612	1906	0.01459	\$ 271	107
Cast Iron	4	233.08	\$32,864	1908	0.01459	\$ 479	105
Cast iron	6	956.67	\$134,890	1909	0.01459	\$ 1,968	104
Cast iron	12	4443	\$755,310	1909	0.01459	\$ 11,017	104
Cast iron	4	174.7	\$24,633	1910	0.01459	\$ 359	103
Cast Iron	4	21	\$2,961	1910	0.01459	\$ 43	103
Cast Iron	6	680	\$95,880	1910	0.01459	\$ 1,399	103
Cast Iron	6	976	\$137,616	1910	0.01459	\$ 2,007	103
Cast Iron	6	678	\$95,598	1910	0.01459	\$ 1,394	103

**PWFD 2-1  
ATTACHMENT C**

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
Cast Iron	4	772.38	\$108,906	1911	0.01459	\$ 1,589	102
Cast Iron	4	212.73	\$29,995	1912	0.01459	\$ 438	101
Cast iron	6	326	\$45,966	1912	0.01459	\$ 670	101
Cast iron	12	2240	\$380,800	1912	0.01459	\$ 5,555	101
Iron Pipe	2	160	\$22,560	1913	0.01621	\$ 366	100
Cast Iron	4	278	\$39,198	1913	0.01621	\$ 635	100
Cem Lined	2	166	\$23,406	1914	0.01297	\$ 303	99
Cast Iron	4	344.7	\$48,603	1914	0.01297	\$ 630	99
Cast Iron	6	923	\$130,143	1914	0.01297	\$ 1,687	99
Cast iron	12	720	\$122,400	1914	0.01297	\$ 1,587	99
Cem Lined	2	167	\$23,547	1915	0.01459	\$ 343	98
Cast Iron	4	473.25	\$66,728	1915	0.01459	\$ 973	98
Cast Iron	6	347	\$48,927	1915	0.01459	\$ 714	98
Cast Iron	6	1129	\$159,189	1915	0.01459	\$ 2,322	98
Cast iron	6	1043	\$147,063	1915	0.01459	\$ 2,145	98
Cast iron	6	72	\$10,152	1915	0.01459	\$ 148	98
Cast Iron	6	23	\$3,243	1915	0.01459	\$ 47	98
Cast iron	6	25.4	\$3,581	1915	0.01459	\$ 52	98
Cast iron	6	215	\$30,315	1915	0.01459	\$ 442	98
Cast iron	8	1713.5	\$241,604	1915	0.01459	\$ 3,524	98
Cast iron	12	940	\$159,800	1915	0.01459	\$ 2,331	98
Cast Iron	20	5926	\$1,576,316	1915	0.01459	\$ 22,993	98
Cast iron	6	366.9	\$51,733	1916	0.01783	\$ 922	97
Cast Iron	6	513.73	\$72,436	1916	0.01783	\$ 1,291	97
Cast iron	6	369.3	\$52,071	1916	0.01783	\$ 928	97
Cast Iron	6	183	\$25,803	1916	0.01783	\$ 460	97
Cem Lined	2	192	\$27,072	1917	0.02593	\$ 702	96
Cast iron	6	752.1	\$106,046	1917	0.02593	\$ 2,750	96
Cast Iron	6	780	\$109,980	1917	0.02593	\$ 2,852	96
Cast iron	6	18	\$2,538	1917	0.02593	\$ 66	96
Cast Iron	6	154	\$21,714	1918	0.03079	\$ 669	95
Cast Iron	6	249	\$35,109	1918	0.03079	\$ 1,081	95
Cast iron	6	513	\$72,333	1918	0.03079	\$ 2,227	95
Cast Iron	6	710.8	\$100,223	1918	0.03079	\$ 3,086	95
Cast Iron	6	264	\$37,224	1918	0.03079	\$ 1,146	95
Cem Lined	2	123	\$17,343	1919	0.03241	\$ 562	94
Cast iron	6	94.25	\$13,289	1919	0.03241	\$ 431	94
Cast iron	6	157.83	\$22,254	1919	0.03241	\$ 721	94
Cem Lined	2	271	\$38,211	1920	0.03566	\$ 1,362	93
Cem Lined	2	278	\$39,198	1920	0.03566	\$ 1,398	93
Cast iron	6	294.42	\$41,513	1920	0.03566	\$ 1,480	93
Cast iron	6	208	\$29,328	1920	0.03566	\$ 1,046	93
Cast iron	6	91.2	\$12,859	1920	0.03566	\$ 459	93
Cast iron	16	519	\$99,648	1920	0.03566	\$ 3,553	93
Cast iron	16	72.75	\$13,968	1920	0.03566	\$ 498	93
Cem Lined	2	140.87	\$19,863	1921	0.03566	\$ 708	92
Gal - CL	2	150	\$21,150	1921	0.03566	\$ 754	92
Cast iron	6	12.7	\$1,791	1921	0.03566	\$ 64	92
Cast iron	6	96	\$13,536	1921	0.03566	\$ 483	92
Cast Iron	6	227.9	\$32,134	1921	0.03566	\$ 1,146	92
Cast Iron	6	210	\$29,610	1922	0.03241	\$ 960	91
Cast Iron	6	313	\$44,133	1922	0.03241	\$ 1,431	91
Cast iron	6	782.7	\$110,361	1922	0.03241	\$ 3,577	91
Cast Iron	6	63	\$8,883	1922	0.03241	\$ 288	91
Cast Iron	6	520.8	\$73,433	1922	0.03241	\$ 2,380	91
Cem Lined	2	313	\$44,133	1923	0.03404	\$ 1,502	90
Cem Lined	2	139	\$19,599	1923	0.03404	\$ 667	90
Cem Lined	2	132	\$18,612	1923	0.03404	\$ 633	90
Cast iron	6	186	\$26,226	1923	0.03404	\$ 893	90
Cast Iron	6	21	\$2,961	1923	0.03404	\$ 101	90
Cast iron	6	36	\$5,076	1923	0.03404	\$ 173	90
Cast Iron	6	14	\$1,974	1923	0.03404	\$ 67	90
Cast Iron	6	40	\$5,640	1923	0.03404	\$ 192	90
Cast iron	6	26.2	\$3,694	1923	0.03404	\$ 126	90
Cast iron	6	57.6	\$8,122	1923	0.03404	\$ 276	90

PWFD 2-1  
ATTACHMENT C

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
Cast Iron	8	29	\$4,089	1923	0.03404	\$ 139	90
Cast iron	12	21.6	\$3,672	1923	0.03404	\$ 125	90
Cast iron	6	20.4	\$2,876	1924	0.03566	\$ 103	89
Cast Iron	12	2690	\$457,300	1924	0.03566	\$ 16,306	89
Cast Iron	12	4560	\$775,200	1924	0.03566	\$ 27,641	89
Cem Lined	2	155.5	\$21,926	1925	0.03404	\$ 746	88
Cem Lined	2	158	\$22,278	1926	0.03404	\$ 758	87
Cem Lined	2	310	\$43,710	1926	0.03404	\$ 1,488	87
Cast iron	4	33.7	\$4,752	1926	0.03404	\$ 162	87
Cast Iron	6	234.33	\$33,041	1926	0.03404	\$ 1,125	87
Cast Iron	6	886.5	\$124,997	1926	0.03404	\$ 4,254	87
Cast Iron	6	495	\$69,795	1926	0.03404	\$ 2,376	87
Cast iron	6	565.8	\$79,778	1926	0.03404	\$ 2,715	87
Cast iron	6	18	\$2,538	1926	0.03404	\$ 86	87
Cem Lined	1.5	147.3	\$20,769	1927	0.03404	\$ 707	86
Cem Lined	2	356	\$50,196	1927	0.03404	\$ 1,708	86
Cem Lined	2	352.3	\$49,674	1927	0.03404	\$ 1,691	86
Cem Lined	2	292	\$41,172	1927	0.03404	\$ 1,401	86
Cast iron	6	84.5	\$11,915	1927	0.03404	\$ 406	86
Cast Iron	6	234	\$32,994	1927	0.03404	\$ 1,123	86
Cast Iron	6	187.8	\$26,480	1927	0.03404	\$ 901	86
Cast iron	6	281	\$39,621	1927	0.03404	\$ 1,349	86
Cast iron	6	132	\$18,612	1927	0.03404	\$ 633	86
Cast Iron	12	1668	\$283,560	1927	0.03404	\$ 9,651	86
Cast iron	18	3275	\$727,050	1927	0.03404	\$ 24,746	86
Cem Lined	2	154	\$21,714	1928	0.03241	\$ 704	85
Cem Lined	2	126.83	\$17,883	1928	0.03241	\$ 580	85
Cast Iron	6	43.4	\$6,119	1928	0.03241	\$ 198	85
Cast Iron	6	183.75	\$25,909	1928	0.03241	\$ 840	85
Cast iron	6	396	\$55,836	1928	0.03241	\$ 1,810	85
Cast iron	6	60.5	\$8,531	1928	0.03241	\$ 277	85
Cast Iron	8	28.8	\$4,061	1928	0.03241	\$ 132	85
Cast Iron	10	17	\$2,516	1928	0.03241	\$ 82	85
Cast Iron	10	17	\$2,516	1928	0.03241	\$ 82	85
Cast Iron	12	2288.8	\$389,096	1928	0.03241	\$ 12,613	85
Brass	2	14.2	\$2,002	1929	0.03241	\$ 65	84
Cem Lined	2	105.5	\$14,876	1929	0.03241	\$ 482	84
Wrought Iron	2	430	\$60,630	1929	0.03241	\$ 1,965	84
Cast Iron	6	378.8	\$53,411	1929	0.03241	\$ 1,731	84
Cast Iron	6	501.5	\$70,712	1929	0.03241	\$ 2,292	84
Cast iron	6	84.5	\$11,915	1929	0.03241	\$ 386	84
Cast iron	6	126.5	\$17,837	1929	0.03241	\$ 578	84
Cast Iron	6	712	\$100,392	1929	0.03241	\$ 3,254	84
Gal - CL	1.5	95	\$13,395	1930	0.03241	\$ 434	83
Gal - CL	2	45	\$6,345	1930	0.03241	\$ 206	83
Cast iron	6	174.5	\$24,605	1930	0.03241	\$ 798	83
Cast Iron	6	250	\$35,250	1930	0.03241	\$ 1,143	83
Cast Iron	6	12	\$1,692	1930	0.03241	\$ 55	83
Cast Iron	6	23.62	\$3,330	1930	0.03241	\$ 108	83
Cast iron	8	1124.7	\$158,583	1930	0.03241	\$ 5,140	83
Cem Lined	1.5	156.25	\$22,031	1931	0.03241	\$ 714	82
Cem Lined	2	340.5	\$48,011	1931	0.03241	\$ 1,556	82
Cast Iron	6	583	\$82,203	1931	0.03241	\$ 2,665	82
Cast iron	6	775	\$109,275	1931	0.03241	\$ 3,542	82
Cast iron	6	192	\$27,072	1931	0.03241	\$ 878	82
Cast Iron	6	92	\$12,972	1931	0.03241	\$ 420	82
Cast Iron	8	46	\$6,486	1931	0.03241	\$ 210	82
Cem Lined	2	81	\$11,421	1932	0.02917	\$ 333	81
Cem Lined	2	221	\$31,161	1932	0.02917	\$ 909	81
Cast Iron	4	342.68	\$48,318	1932	0.02917	\$ 1,410	81
Cast Iron	4	587.34	\$82,815	1932	0.02917	\$ 2,416	81
Cast iron	6	60	\$8,460	1932	0.02917	\$ 247	81
Cast iron	6	22.5	\$3,173	1932	0.02917	\$ 93	81
Cast iron	6	93	\$13,113	1932	0.02917	\$ 383	81
Cast iron	6	57.5	\$8,108	1932	0.02917	\$ 237	81

**PWFD 2-1  
ATTACHMENT C**

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
Cast Iron	8	98	\$13,818	1932	0.02917	\$ 403	81
Cast Iron	6	35	\$4,935	1933	0.02917	\$ 144	80
Cast iron	6	665	\$93,765	1933	0.02917	\$ 2,735	80
Cast Iron	6	12	\$1,692	1933	0.02917	\$ 49	80
Cast Iron	8	361	\$50,901	1934	0.03079	\$ 1,567	79
Cem Lined	2	268.75	\$37,894	1935	0.03079	\$ 1,167	78
Cem Lined	2	33.5	\$4,724	1935	0.03079	\$ 145	78
Cast Iron	8	13.5	\$1,904	1935	0.03079	\$ 59	78
Cast iron	12	1395	\$237,150	1935	0.03079	\$ 7,303	78
Cast iron	6	176	\$24,816	1936	0.03241	\$ 804	77
Cast Iron	6	86	\$12,126	1936	0.03241	\$ 393	77
Cast Iron	6	192	\$27,072	1936	0.03241	\$ 878	77
Cast iron	6	204	\$28,764	1936	0.03241	\$ 932	77
CI - CL	6	1102.33	\$155,429	1936	0.03241	\$ 5,038	77
Cast iron	8	157.2	\$22,165	1936	0.03241	\$ 718	77
Cast Iron	8	6	\$846	1936	0.03241	\$ 27	77
Cast iron	8	48	\$6,768	1936	0.03241	\$ 219	77
Cast iron	6	90.25	\$12,725	1937	0.03404	\$ 433	76
Cast Iron	6	357	\$50,337	1937	0.03404	\$ 1,713	76
Cast iron	6	212.25	\$29,927	1937	0.03404	\$ 1,019	76
Cast iron	6	182	\$25,662	1937	0.03404	\$ 873	76
CI - C	6	609	\$85,827	1937	0.03404	\$ 2,921	76
CI - CL	6	705.75	\$99,511	1937	0.03404	\$ 3,387	76
Cem Lined	1.5	35	\$4,935	1938	0.03566	\$ 176	75
Cem Lined	2	85	\$11,985	1938	0.03566	\$ 427	75
AC	4	277	\$39,057	1938	0.03566	\$ 1,393	75
AC	6	686	\$96,726	1938	0.03566	\$ 3,449	75
AC	6	626	\$88,266	1938	0.03566	\$ 3,147	75
Cast Iron	6	60	\$8,460	1938	0.03566	\$ 302	75
Cast iron	6	159	\$22,419	1938	0.03566	\$ 799	75
Cast Iron	6	100	\$14,100	1938	0.03566	\$ 503	75
Cast Iron	6	71.5	\$10,082	1938	0.03566	\$ 359	75
CI - CL	6	20	\$2,820	1938	0.03566	\$ 101	75
Cast iron	8	40	\$5,640	1938	0.03566	\$ 201	75
Cast Iron	8	20	\$2,820	1938	0.03566	\$ 101	75
Gal - CL	1.5	133	\$18,683	1939	0.03566	\$ 666	74
Iron Pipe	2	147.6	\$20,812	1939	0.03566	\$ 742	74
Wrought Iron	2	258	\$36,378	1939	0.03566	\$ 1,297	74
AC	6	468	\$65,988	1939	0.03566	\$ 2,353	74
Cast Iron	6	9.5	\$1,340	1939	0.03566	\$ 48	74
Cast iron	6	20	\$2,820	1939	0.03566	\$ 101	74
Cast Iron	6	20.5	\$2,891	1939	0.03566	\$ 103	74
Cast Iron	6	9.5	\$1,340	1939	0.03566	\$ 48	74
Cast iron	6	14	\$1,974	1939	0.03566	\$ 70	74
Cast Iron	6	97	\$13,677	1939	0.03566	\$ 488	74
Cast Iron	6	27	\$3,807	1939	0.03566	\$ 136	74
Cast iron	6	48	\$6,768	1939	0.03566	\$ 241	74
Cast Iron	6	363	\$51,183	1939	0.03566	\$ 1,825	74
Cast Iron	6	112.5	\$15,863	1939	0.03566	\$ 566	74
Cast iron	6	788	\$111,108	1939	0.03566	\$ 3,962	74
Cast Iron	6	650.47	\$91,716	1939	0.03566	\$ 3,270	74
Cast Iron	6	95.5	\$13,466	1939	0.03566	\$ 480	74
Cast Iron	6	70.5	\$9,941	1939	0.03566	\$ 354	74
Cast Iron	6	492	\$69,372	1939	0.03566	\$ 2,474	74
Cast Iron	6	346	\$48,786	1939	0.03566	\$ 1,740	74
AC	8	402	\$56,682	1939	0.03566	\$ 2,021	74
Cast iron	8	209	\$29,469	1939	0.03566	\$ 1,051	74
Cast Iron	8	493.33	\$69,560	1939	0.03566	\$ 2,480	74
Cast iron	8	20.5	\$2,891	1939	0.03566	\$ 103	74
Cast iron	8	1502	\$211,782	1939	0.03566	\$ 7,551	74
Cast iron	8	308	\$43,428	1939	0.03566	\$ 1,548	74
Cast iron	8	2036	\$287,076	1939	0.03566	\$ 10,236	74
Cast iron	8	1629	\$229,689	1939	0.03566	\$ 8,190	74
Cast Iron	8	947	\$133,527	1939	0.03566	\$ 4,761	74
Cast Iron	8	13	\$1,833	1939	0.03566	\$ 65	74

**PWFD 2-1  
ATTACHMENT C**

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
Cast Iron	8	1434	\$202,194	1939	0.03566	\$ 7,210	74
Cast Iron	8	745	\$105,045	1939	0.03566	\$ 3,746	74
Cast iron	8	1201	\$169,341	1939	0.03566	\$ 6,038	74
Cast iron	8	484	\$68,244	1939	0.03566	\$ 2,433	74
CI - CL	8	891	\$125,631	1939	0.03566	\$ 4,480	74
CI - CL	8	270.17	\$38,094	1939	0.03566	\$ 1,358	74
Cast iron	10	4225	\$625,300	1939	0.03566	\$ 22,296	74
Cast iron	12	2110	\$358,700	1939	0.03566	\$ 12,790	74
Cast iron	12	2594	\$440,980	1939	0.03566	\$ 15,724	74
Cast Iron	12	1269	\$215,730	1939	0.03566	\$ 7,692	74
Cast iron	12	1145	\$194,650	1939	0.03566	\$ 6,941	74
Cast Iron	16	1665	\$319,680	1939	0.03566	\$ 11,399	74
Cast iron	16	2240	\$430,080	1939	0.03566	\$ 15,335	74
Cast iron	16	239	\$45,888	1939	0.03566	\$ 1,636	74
Cast Iron	16	617	\$118,464	1939	0.03566	\$ 4,224	74
Cast iron	16	806	\$154,752	1939	0.03566	\$ 5,518	74
Cast iron	16	326	\$62,592	1939	0.03566	\$ 2,232	74
Cast iron	18	26.5	\$5,883	1939	0.03566	\$ 210	74
Cast Iron	20	885	\$235,410	1939	0.03566	\$ 8,394	74
Cast iron	20	2967	\$789,222	1939	0.03566	\$ 28,141	74
Gal - CL	1.5	22	\$3,102	1940	0.03728	\$ 116	73
Iron Pipe	2	101	\$14,241	1940	0.03728	\$ 531	73
WI - CL	2	80	\$11,280	1940	0.03728	\$ 420	73
AC	6	1845	\$260,075	1940	0.03728	\$ 9,695	73
AC	6	595.5	\$83,966	1940	0.03728	\$ 3,130	73
Cast Iron	6	21.5	\$3,032	1940	0.03728	\$ 113	73
Cast Iron	6	335	\$47,235	1940	0.03728	\$ 1,761	73
Cast iron	6	41.5	\$5,852	1940	0.03728	\$ 218	73
Cast Iron	6	112	\$15,792	1940	0.03728	\$ 589	73
AC	8	374	\$52,734	1940	0.03728	\$ 1,966	73
Cast Iron	8	550	\$77,550	1940	0.03728	\$ 2,891	73
Cast Iron	12	439.5	\$74,715	1940	0.03728	\$ 2,785	73
Cast iron	12	2181	\$370,770	1940	0.03728	\$ 13,821	73
Copper	1.25	337	\$47,517	1941	0.03728	\$ 1,771	72
Copper	1.5	21.3	\$3,003	1941	0.03728	\$ 112	72
Copper	2	6	\$846	1941	0.03728	\$ 32	72
AC	6	227	\$32,007	1941	0.03728	\$ 1,193	72
Cast iron	6	19	\$2,679	1941	0.03728	\$ 100	72
Cast Iron	6	50	\$7,050	1941	0.03728	\$ 263	72
Cast iron	6	156.5	\$22,067	1941	0.03728	\$ 823	72
Cast Iron	6	711	\$100,251	1941	0.03728	\$ 3,737	72
AC	8	348	\$49,068	1941	0.03728	\$ 1,829	72
Cast Iron	8	35.5	\$5,006	1941	0.03728	\$ 187	72
Cast Iron	8	414	\$58,374	1941	0.03728	\$ 2,176	72
Cast Iron	8	1440	\$203,040	1941	0.03728	\$ 7,569	72
Cast iron	12	326	\$55,420	1941	0.03728	\$ 2,066	72
Cast iron	16	42	\$8,064	1941	0.03728	\$ 301	72
Cast iron	16	540	\$103,680	1941	0.03728	\$ 3,865	72
AC	6	783	\$110,403	1942	0.03890	\$ 4,294	71
Cast iron	12	678	\$115,260	1942	0.03890	\$ 4,483	71
Cast iron	12	1309	\$222,530	1942	0.03890	\$ 8,656	71
cast iron	24	900	\$293,400	1942	0.03890	\$ 11,413	71
AC	6	855	\$120,555	1943	0.04052	\$ 4,885	70
Cast Iron	6	20	\$2,820	1943	0.04052	\$ 114	70
Cast Iron	6	7	\$987	1943	0.04052	\$ 40	70
Cast Iron	6	8	\$1,128	1943	0.04052	\$ 46	70
AC	8	36.25	\$5,111	1943	0.04052	\$ 207	70
Cast Iron	8	19	\$2,679	1943	0.04052	\$ 109	70
Cast Iron	8	17	\$2,397	1943	0.04052	\$ 97	70
AC	12	2918	\$496,060	1943	0.04052	\$ 20,100	70
AC	12	1803	\$306,510	1943	0.04052	\$ 12,419	70
Cast iron	12	2456	\$417,520	1943	0.04052	\$ 16,917	70
Cast iron	12	720	\$122,400	1943	0.04052	\$ 4,959	70
Cast iron	12	720	\$122,400	1943	0.04052	\$ 4,959	70
Cast iron	12	1727	\$293,590	1943	0.04052	\$ 11,896	70

**PWFD 2-1  
ATTACHMENT C**

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
Cast iron	12	1340	\$227,800	1943	0.04052	\$ 9,230	70
CI - CL	24	1426	\$464,876	1943	0.04052	\$ 18,836	70
WI - CL	2	140	\$19,740	1944	0.04052	\$ 800	69
Wrought Iron	2	250	\$35,250	1944	0.04052	\$ 1,428	69
AC	4	260	\$36,660	1944	0.04052	\$ 1,485	69
AC	6	1110	\$156,510	1944	0.04052	\$ 6,342	69
AC	6	565	\$79,665	1944	0.04052	\$ 3,228	69
AC	6	870	\$122,670	1944	0.04052	\$ 4,970	69
Cast Iron	8	24	\$3,384	1944	0.04052	\$ 137	69
Wrought Iron	1.5	110	\$15,510	1945	0.04214	\$ 654	68
Wrought Iron	2	231	\$32,571	1945	0.04214	\$ 1,373	68
Cast Iron	6	79	\$11,139	1945	0.04214	\$ 469	68
Cast Iron	6	28	\$3,948	1945	0.04214	\$ 166	68
AC	8	215	\$30,315	1945	0.04214	\$ 1,277	68
AC	8	1150	\$162,150	1945	0.04214	\$ 6,833	68
AC	8	1023	\$144,243	1945	0.04214	\$ 6,078	68
Cast iron	8	155	\$21,855	1945	0.04214	\$ 921	68
Cast iron	8	765	\$107,865	1945	0.04214	\$ 4,545	68
Cast iron	12	515	\$87,550	1945	0.04214	\$ 3,689	68
Cem Lined	1.5	60	\$8,460	1946	0.04700	\$ 398	67
Cast iron	6	27	\$3,807	1946	0.04700	\$ 179	67
Cast iron	6	23	\$3,243	1946	0.04700	\$ 152	67
AC	8	2786		1946	0.04700	\$ -	67
Cast iron	8	724	\$102,084	1946	0.04700	\$ 4,798	67
Cast Iron	8	31.5	\$4,442	1946	0.04700	\$ 209	67
Cast iron	8	33		1946	0.04700	\$ -	67
Cast iron	8	433	\$61,053	1946	0.04700	\$ 2,870	67
Cast iron	8	537	\$75,717	1946	0.04700	\$ 3,559	67
AC	4	142.8	\$20,135	1947	0.05673	\$ 1,142	66
Cast Iron	6	757	\$106,737	1947	0.05673	\$ 6,055	66
Cast Iron	6	555	\$78,255	1947	0.05673	\$ 4,439	66
Cast Iron	6	44	\$6,204	1947	0.05673	\$ 352	66
AC	8	483	\$68,103	1947	0.05673	\$ 3,863	66
AC	8	217	\$30,597	1947	0.05673	\$ 1,736	66
AC	8	302	\$42,582	1947	0.05673	\$ 2,416	66
Cast Iron	8	8	\$1,128	1947	0.05673	\$ 64	66
Copper	1.25	52	\$7,332	1948	0.06645	\$ 487	65
Cem Lined	2	826	\$116,466	1948	0.06645	\$ 7,739	65
WI - CL	2	161.67	\$22,795	1948	0.06645	\$ 1,515	65
AC	4	394	\$55,554	1948	0.06645	\$ 3,692	65
Cast Iron	4	12	\$1,692	1948	0.06645	\$ 112	65
AC	6	184	\$25,944	1948	0.06645	\$ 1,724	65
AC	6	134	\$18,894	1948	0.06645	\$ 1,256	65
AC	6	73	\$10,293	1948	0.06645	\$ 684	65
AC	6	121	\$17,061	1948	0.06645	\$ 1,134	65
Cast Iron	6	50	\$7,050	1948	0.06645	\$ 468	65
Cast Iron	6	238	\$33,558	1948	0.06645	\$ 2,230	65
Cast Iron	6	208	\$29,328	1948	0.06645	\$ 1,949	65
Cast Iron	6	16	\$2,256	1948	0.06645	\$ 150	65
Cast Iron	6	38	\$5,358	1948	0.06645	\$ 356	65
Cast Iron	6	22	\$3,102	1948	0.06645	\$ 206	65
AC	8	68	\$9,588	1948	0.06645	\$ 637	65
Wrought Iron	1.5	102	\$14,382	1949	0.06807	\$ 979	64
AC	6	90	\$12,690	1949	0.06807	\$ 864	64
AC	6	170	\$23,970	1949	0.06807	\$ 1,632	64
AC	6	282	\$39,762	1949	0.06807	\$ 2,707	64
AC	6	313	\$44,133	1949	0.06807	\$ 3,004	64
AC	6	172	\$24,252	1949	0.06807	\$ 1,651	64
AC	6	83.25	\$11,738	1949	0.06807	\$ 799	64
AC	6	26	\$3,666	1949	0.06807	\$ 250	64
AC	6	348	\$49,068	1949	0.06807	\$ 3,340	64
AC	6	134	\$18,894	1949	0.06807	\$ 1,286	64
AC	6	102	\$14,382	1949	0.06807	\$ 979	64
AC	6	82	\$11,562	1949	0.06807	\$ 787	64
AC	6	565	\$79,665	1949	0.06807	\$ 5,423	64

PWFD 2-1  
ATTACHMENT C

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
AC	6	258	\$36,378	1949	0.06807	\$ 2,476	64
AC	6	289	\$40,749	1949	0.06807	\$ 2,774	64
AC	6	317	\$44,697	1949	0.06807	\$ 3,043	64
AC	6	350	\$49,350	1949	0.06807	\$ 3,359	64
Cast Iron	6	160	\$22,560	1949	0.06807	\$ 1,536	64
Cast Iron	6	11	\$1,551	1949	0.06807	\$ 106	64
Cast Iron	6	10	\$1,410	1949	0.06807	\$ 96	64
Cast Iron	6	13	\$1,833	1949	0.06807	\$ 125	64
Cast Iron	6	30	\$4,230	1949	0.06807	\$ 288	64
Cast Iron	6	64	\$9,024	1949	0.06807	\$ 614	64
Cast Iron	6	69	\$9,729	1949	0.06807	\$ 662	64
Cast Iron	6	262	\$36,942	1949	0.06807	\$ 2,515	64
Cast Iron	6	279	\$39,339	1949	0.06807	\$ 2,678	64
Cast iron	6	303	\$42,723	1949	0.06807	\$ 2,908	64
Cast Iron	6	35	\$4,935	1949	0.06807	\$ 336	64
Cast Iron	6	10	\$1,410	1949	0.06807	\$ 96	64
AC	8	80	\$11,280	1949	0.06807	\$ 768	64
WI - CL	2	7	\$987	1950	0.06969	\$ 69	63
AC	4	255	\$35,955	1950	0.06969	\$ 2,506	63
Cast Iron	4	12	\$1,692	1950	0.06969	\$ 118	63
AC	6	26	\$3,666	1950	0.06969	\$ 255	63
AC	6	58	\$8,178	1950	0.06969	\$ 570	63
AC	6	338	\$47,658	1950	0.06969	\$ 3,321	63
AC	6	210	\$29,610	1950	0.06969	\$ 2,064	63
AC	6	355	\$50,055	1950	0.06969	\$ 3,488	63
AC	6	154.5	\$21,785	1950	0.06969	\$ 1,518	63
AC	6	166	\$23,406	1950	0.06969	\$ 1,631	63
AC	6	366	\$51,606	1950	0.06969	\$ 3,597	63
AC	6	26.5	\$3,737	1950	0.06969	\$ 260	63
AC	6	579	\$81,639	1950	0.06969	\$ 5,690	63
AC	6	194	\$27,354	1950	0.06969	\$ 1,906	63
AC	6	252	\$35,532	1950	0.06969	\$ 2,476	63
AC	6	325	\$45,825	1950	0.06969	\$ 3,194	63
AC	6	174	\$24,534	1950	0.06969	\$ 1,710	63
Cast Iron	6	25	\$3,525	1950	0.06969	\$ 246	63
Cast Iron	6	152	\$21,432	1950	0.06969	\$ 1,494	63
AC	8	400	\$56,400	1950	0.06969	\$ 3,931	63
AC	8	410	\$57,810	1950	0.06969	\$ 4,029	63
AC	8	125.5	\$17,696	1950	0.06969	\$ 1,233	63
AC	8	337.5	\$47,588	1950	0.06969	\$ 3,316	63
AC	8	222	\$31,302	1950	0.06969	\$ 2,182	63
AC	8	6.5	\$917	1950	0.06969	\$ 64	63
Cast Iron	8	17	\$2,397	1950	0.06969	\$ 167	63
Cast iron	8	139	\$19,599	1950	0.06969	\$ 1,366	63
Cast Iron	8	433	\$61,053	1950	0.06969	\$ 4,255	63
CI - CL	8	260	\$36,660	1950	0.06969	\$ 2,555	63
CI - CL	8	100	\$14,100	1950	0.06969	\$ 983	63
AC	12	390	\$66,300	1950	0.06969	\$ 4,621	63
AC	12	3302	\$561,340	1950	0.06969	\$ 39,121	63
Cast iron	12	662.5	\$112,625	1950	0.06969	\$ 7,849	63
AC	4	78	\$10,998	1951	0.07293	\$ 802	62
AC	6	47	\$6,627	1951	0.07293	\$ 483	62
AC	6	368	\$51,888	1951	0.07293	\$ 3,784	62
AC	6	91	\$12,831	1951	0.07293	\$ 936	62
AC	6	48	\$6,768	1951	0.07293	\$ 494	62
AC	6	360	\$50,760	1951	0.07293	\$ 3,702	62
AC	6	74	\$10,434	1951	0.07293	\$ 761	62
AC	6	169	\$23,829	1951	0.07293	\$ 1,738	62
AC	6	100	\$14,100	1951	0.07293	\$ 1,028	62
AC	6	158	\$22,278	1951	0.07293	\$ 1,625	62
AC	6	194	\$27,354	1951	0.07293	\$ 1,995	62
Cast Iron	6	375	\$52,875	1951	0.07293	\$ 3,856	62
Cast Iron	6	144	\$20,304	1951	0.07293	\$ 1,481	62
Cast Iron	6	56	\$7,896	1951	0.07293	\$ 576	62
AC	8	238	\$33,558	1951	0.07293	\$ 2,448	62

**PWFD 2-1  
ATTACHMENT C**

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
AC	8	38	\$5,358	1951	0.07293	\$ 391	62
AC	8	298	\$42,018	1951	0.07293	\$ 3,065	62
AC	8	314	\$44,274	1951	0.07293	\$ 3,229	62
cast iron	8	435	\$61,335	1951	0.07293	\$ 4,473	62
Cast iron	8	736	\$103,776	1951	0.07293	\$ 7,569	62
Cast iron	8	32	\$4,512	1951	0.07293	\$ 329	62
Cast Iron	8	14.3	\$2,016	1951	0.07293	\$ 147	62
Cast Iron	8	48	\$6,768	1951	0.07293	\$ 494	62
Cast iron	8	80	\$11,280	1951	0.07293	\$ 823	62
Cast iron	12	453	\$77,010	1951	0.07293	\$ 5,617	62
Copper	1.25	77.5	\$10,928	1952	0.07618	\$ 832	61
Cem Lined	2	95	\$13,395	1952	0.07618	\$ 1,020	61
Cem Lined	2	172	\$24,252	1952	0.07618	\$ 1,847	61
Iron Pipe	2	338	\$47,658	1952	0.07618	\$ 3,630	61
Iron Pipe	2	79	\$11,139	1952	0.07618	\$ 849	61
WI - CL	2	230	\$32,430	1952	0.07618	\$ 2,470	61
Wrought Iron	2	94.5	\$13,325	1952	0.07618	\$ 1,015	61
Wrought Iron	2	28	\$3,948	1952	0.07618	\$ 301	61
AC	4	178.42	\$25,157	1952	0.07618	\$ 1,916	61
AC	6	47.25	\$6,662	1952	0.07618	\$ 507	61
AC	6	469	\$66,094	1952	0.07618	\$ 5,035	61
AC	6	174	\$24,534	1952	0.07618	\$ 1,869	61
AC	6	103	\$14,523	1952	0.07618	\$ 1,106	61
AC	6	253	\$35,673	1952	0.07618	\$ 2,717	61
AC	6	400	\$56,400	1952	0.07618	\$ 4,296	61
AC	6	207	\$29,187	1952	0.07618	\$ 2,223	61
AC	6	59	\$8,319	1952	0.07618	\$ 634	61
AC	6	149.5	\$21,080	1952	0.07618	\$ 1,606	61
AC	6	501	\$70,641	1952	0.07618	\$ 5,381	61
AC	6	820	\$115,620	1952	0.07618	\$ 8,807	61
AC	6	256	\$36,096	1952	0.07618	\$ 2,750	61
AC	6	201	\$28,341	1952	0.07618	\$ 2,159	61
AC	6	36.5	\$5,147	1952	0.07618	\$ 392	61
AC	6	52	\$7,332	1952	0.07618	\$ 559	61
AC	6	50	\$7,050	1952	0.07618	\$ 537	61
AC	6	156	\$21,996	1952	0.07618	\$ 1,676	61
AC	6	300	\$42,300	1952	0.07618	\$ 3,222	61
AC	6	253	\$35,673	1952	0.07618	\$ 2,717	61
AC	6	3	\$423	1952	0.07618	\$ 32	61
AC	6	448	\$63,168	1952	0.07618	\$ 4,812	61
Cast iron	6	40.5	\$5,711	1952	0.07618	\$ 435	61
AC	8	94	\$13,254	1952	0.07618	\$ 1,010	61
AC	8		\$0	1952	0.07618	\$ -	61
AC	8		\$0	1952	0.07618	\$ -	61
AC	8		\$0	1952	0.07618	\$ -	61
AC	8	68.75	\$9,694	1952	0.07618	\$ 738	61
AC	8	132.5	\$18,683	1952	0.07618	\$ 1,423	61
AC	8	123.25	\$17,378	1952	0.07618	\$ 1,324	61
AC	8	26.5	\$3,737	1952	0.07618	\$ 285	61
AC	8	300	\$42,300	1952	0.07618	\$ 3,222	61
AC	8	175	\$24,675	1952	0.07618	\$ 1,880	61
AC	8	188	\$26,508	1952	0.07618	\$ 2,019	61
AC	8	681	\$96,021	1952	0.07618	\$ 7,314	61
Cast iron	8	128	\$18,048	1952	0.07618	\$ 1,375	61
AC	6	12.06	\$1,700	1953	0.07780	\$ 132	60
AC	6	73	\$10,293	1953	0.07780	\$ 801	60
AC	6	268	\$37,788	1953	0.07780	\$ 2,940	60
AC	6	62	\$8,742	1953	0.07780	\$ 680	60
AC	6	462	\$65,142	1953	0.07780	\$ 5,068	60
AC	6	177.5	\$25,028	1953	0.07780	\$ 1,947	60
AC	6	125	\$17,625	1953	0.07780	\$ 1,371	60
AC	6	81	\$11,421	1953	0.07780	\$ 889	60
AC	6	175	\$24,675	1953	0.07780	\$ 1,920	60
AC	6	210	\$29,610	1953	0.07780	\$ 2,304	60
AC	6	493.31	\$69,557	1953	0.07780	\$ 5,411	60

**PWFD 2-1  
ATTACHMENT C**

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
AC	6	74	\$10,434	1953	0.07780	\$ 812	60
AC	6	170	\$23,970	1953	0.07780	\$ 1,865	60
Cast iron	6	3	\$423	1953	0.07780	\$ 33	60
Cast iron	6	116	\$16,356	1953	0.07780	\$ 1,272	60
Cast Iron	6	192	\$27,072	1953	0.07780	\$ 2,106	60
Cast Iron	6	45.17	\$6,369	1953	0.07780	\$ 495	60
Cast Iron	6	39	\$5,499	1953	0.07780	\$ 428	60
AC	8	61	\$8,601	1953	0.07780	\$ 669	60
AC	8	300	\$42,300	1953	0.07780	\$ 3,291	60
AC	8	301	\$42,441	1953	0.07780	\$ 3,302	60
AC	8	5	\$635	1953	0.07780	\$ 49	60
Cast iron	8	256	\$36,096	1953	0.07780	\$ 2,808	60
AC	12	377	\$64,090	1953	0.07780	\$ 4,986	60
Cast iron	12	71	\$12,070	1953	0.07780	\$ 939	60
Copper	1.25	30.5	\$4,301	1954	0.08266	\$ 355	Age Assumed
Cem Lined	1.5	35	\$4,935	1954	0.08266	\$ 408	Age Assumed
Cem Lined	1.5	115	\$16,215	1954	0.08266	\$ 1,340	59
Copper	1.5	14	\$1,974	1954	0.08266	\$ 163	Age Assumed
Copper	1.5	18	\$2,538	1954	0.08266	\$ 210	Age Assumed
Iron Pipe	1.5	417	\$58,797	1954	0.08266	\$ 4,860	Age Assumed
Iron Pipe	1.5	265	\$37,365	1954	0.08266	\$ 3,089	Age Assumed
Iron Pipe	1.5	100	\$14,100	1954	0.08266	\$ 1,165	Age Assumed
Iron Pipe	1.5	444	\$62,604	1954	0.08266	\$ 5,175	Age Assumed
Iron Pipe	1.5	220	\$31,020	1954	0.08266	\$ 2,564	Age Assumed
Cem Lined	2	340.97	\$48,077	1954	0.08266	\$ 3,974	Age Assumed
Cem Lined	2	323.47	\$45,609	1954	0.08266	\$ 3,770	Age Assumed
Cem Lined	2	86.05	\$12,133	1954	0.08266	\$ 1,003	Age Assumed
Cem Lined	2	116.9	\$16,483	1954	0.08266	\$ 1,362	Age Assumed
Cem Lined	2	80.95	\$11,414	1954	0.08266	\$ 943	Age Assumed
Cem Lined	2	85	\$11,985	1954	0.08266	\$ 991	Age Assumed
Cem Lined	2	60	\$8,460	1954	0.08266	\$ 699	Age Assumed
Cem Lined	2	60	\$8,460	1954	0.08266	\$ 699	Age Assumed
Cem Lined	2	147.55	\$20,805	1954	0.08266	\$ 1,720	Age Assumed
Cem Lined	2	340.81	\$48,054	1954	0.08266	\$ 3,972	Age Assumed
Cem Lined	2	200	\$28,200	1954	0.08266	\$ 2,331	Age Assumed
Cem Lined	2	310	\$43,710	1954	0.08266	\$ 3,613	Age Assumed
Cem Lined	2	18	\$2,538	1954	0.08266	\$ 210	Age Assumed
Cem Lined	2	516	\$72,756	1954	0.08266	\$ 6,014	Age Assumed
Cem Lined	2	250	\$35,250	1954	0.08266	\$ 2,914	59
Copper	2	41	\$5,781	1954	0.08266	\$ 478	Age Assumed
Gal - CL	2	219	\$30,879	1954	0.08266	\$ 2,552	59
Iron Pipe	2	100	\$14,100	1954	0.08266	\$ 1,165	Age Assumed
Iron Pipe	2	512.61	\$72,278	1954	0.08266	\$ 5,974	Age Assumed
Iron Pipe	2	46	\$6,486	1954	0.08266	\$ 536	Age Assumed
Iron Pipe	2	154.4	\$21,770	1954	0.08266	\$ 1,799	Age Assumed
Iron Pipe	2	154.43	\$21,775	1954	0.08266	\$ 1,800	Age Assumed
Iron Pipe	2	567.3	\$79,989	1954	0.08266	\$ 6,612	Age Assumed
Iron Pipe	2	209.94	\$29,602	1954	0.08266	\$ 2,447	Age Assumed
Iron Pipe	2	438	\$61,758	1954	0.08266	\$ 5,105	Age Assumed
Iron Pipe	2	266.17	\$37,530	1954	0.08266	\$ 3,102	Age Assumed
Iron Pipe	2	134	\$18,894	1954	0.08266	\$ 1,562	Age Assumed
Iron Pipe	2	335	\$47,235	1954	0.08266	\$ 3,904	Age Assumed
Iron Pipe	2	140.5	\$19,811	1954	0.08266	\$ 1,637	Age Assumed
Iron Pipe	2	180.25	\$25,415	1954	0.08266	\$ 2,101	Age Assumed
Iron Pipe	2	160	\$22,560	1954	0.08266	\$ 1,865	Age Assumed
Iron Pipe	2	156.58	\$22,078	1954	0.08266	\$ 1,825	Age Assumed
PVC	2	143.25	\$20,198	1954	0.08266	\$ 1,670	Age Assumed
WI - CL	2	100	\$14,100	1954	0.08266	\$ 1,165	Age Assumed
Wrought Iron	2	155	\$21,855	1954	0.08266	\$ 1,806	Age Assumed
Wrought Iron	2	100	\$14,100	1954	0.08266	\$ 1,165	Age Assumed
Wrought Iron	2	150	\$21,150	1954	0.08266	\$ 1,748	Age Assumed
AC	4	392	\$55,272	1954	0.08266	\$ 4,569	Age Assumed
AC	4	293	\$41,313	1954	0.08266	\$ 3,415	Age Assumed
AC	4	23	\$3,243	1954	0.08266	\$ 268	Age Assumed
AC	4	275	\$38,775	1954	0.08266	\$ 3,205	Age Assumed

**PWFD 2-1  
ATTACHMENT C**

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
AC	4	331	\$46,671	1954	0.08266	\$ 3,858	Age Assumed
Cast Iron	4	100	\$14,100	1954	0.08266	\$ 1,165	Age Assumed
Cast Iron	4	187.19	\$26,394	1954	0.08266	\$ 2,182	Age Assumed
Cast Iron	4	22	\$3,102	1954	0.08266	\$ 256	Age Assumed
Cast Iron	4	19	\$2,679	1954	0.08266	\$ 221	Age Assumed
Cast Iron	4	120.26	\$16,957	1954	0.08266	\$ 1,402	Age Assumed
Cast iron	4	30	\$4,230	1954	0.08266	\$ 350	Age Assumed
Cast Iron	4	550	\$77,550	1954	0.08266	\$ 6,410	Age Assumed
Cast iron	4	5	\$705	1954	0.08266	\$ 58	Age Assumed
Cast Iron	4	207	\$29,187	1954	0.08266	\$ 2,413	Age Assumed
Cast Iron	4	24	\$3,384	1954	0.08266	\$ 280	Age Assumed
Cast Iron	4	129	\$18,189	1954	0.08266	\$ 1,503	Age Assumed
Cast Iron	4	470	\$66,270	1954	0.08266	\$ 5,478	Age Assumed
Cast iron	4	4	\$564	1954	0.08266	\$ 47	Age Assumed
Cast iron	4	39	\$5,499	1954	0.08266	\$ 455	Age Assumed
Cast iron	4	495	\$69,795	1954	0.08266	\$ 5,769	Age Assumed
Cast Iron	4	641.28	\$90,420	1954	0.08266	\$ 7,474	Age Assumed
Cast Iron	4	41.75	\$5,887	1954	0.08266	\$ 487	Age Assumed
Cast Iron	4	470	\$66,270	1954	0.08266	\$ 5,478	Age Assumed
Cast Iron	4	124	\$17,484	1954	0.08266	\$ 1,445	Age Assumed
Cast iron	4	215	\$30,315	1954	0.08266	\$ 2,506	Age Assumed
Cast Iron	4	540	\$76,140	1954	0.08266	\$ 6,294	Age Assumed
Cast iron	4	260	\$36,660	1954	0.08266	\$ 3,030	Age Assumed
Ductile Iron	4	237	\$33,417	1954	0.08266	\$ 2,762	Age Assumed
Ductile Iron	4	404	\$56,964	1954	0.08266	\$ 4,709	Age Assumed
Ductile Iron	4	52.25	\$7,367	1954	0.08266	\$ 609	Age Assumed
Ductile Iron	4	497.8	\$70,190	1954	0.08266	\$ 5,802	Age Assumed
PVC	4	200	\$28,200	1954	0.08266	\$ 2,331	Age Assumed
AC	6	33	\$4,653	1954	0.08266	\$ 385	Age Assumed
AC	6	22	\$3,102	1954	0.08266	\$ 256	Age Assumed
AC	6	49	\$6,909	1954	0.08266	\$ 571	Age Assumed
AC	6	150	\$21,150	1954	0.08266	\$ 1,748	Age Assumed
AC	6	206	\$29,046	1954	0.08266	\$ 2,401	Age Assumed
AC	6	120	\$16,920	1954	0.08266	\$ 1,399	Age Assumed
AC	6	285	\$40,185	1954	0.08266	\$ 3,322	Age Assumed
AC	6	101	\$14,241	1954	0.08266	\$ 1,177	Age Assumed
AC	6	590	\$83,190	1954	0.08266	\$ 6,876	Age Assumed
AC	6	344	\$48,504	1954	0.08266	\$ 4,009	Age Assumed
AC	6	38	\$5,358	1954	0.08266	\$ 443	Age Assumed
AC	6	20	\$2,820	1954	0.08266	\$ 233	Age Assumed
AC	6	46	\$6,486	1954	0.08266	\$ 536	Age Assumed
AC	6	240	\$33,840	1954	0.08266	\$ 2,797	Age Assumed
AC	6	1150	\$162,150	1954	0.08266	\$ 13,403	Age Assumed
AC	6	350	\$49,350	1954	0.08266	\$ 4,079	Age Assumed
AC	6	250	\$35,250	1954	0.08266	\$ 2,914	Age Assumed
AC	6	614	\$86,574	1954	0.08266	\$ 7,156	Age Assumed
AC	6	263	\$37,083	1954	0.08266	\$ 3,065	Age Assumed
AC	6	31	\$4,371	1954	0.08266	\$ 361	Age Assumed
AC	6	176.95	\$24,950	1954	0.08266	\$ 2,062	Age Assumed
AC	6	350	\$49,350	1954	0.08266	\$ 4,079	Age Assumed
AC	6	1175	\$165,675	1954	0.08266	\$ 13,694	Age Assumed
AC	6	259	\$36,519	1954	0.08266	\$ 3,019	Age Assumed
AC	6	767	\$108,147	1954	0.08266	\$ 8,939	Age Assumed
AC	6	633	\$89,253	1954	0.08266	\$ 7,377	Age Assumed
AC	6	767	\$108,147	1954	0.08266	\$ 8,939	Age Assumed
AC	6	13.5	\$1,904	1954	0.08266	\$ 157	59
AC	6	336	\$47,376	1954	0.08266	\$ 3,916	59
AC	6	156.5	\$22,067	1954	0.08266	\$ 1,824	59
AC	6	377.5	\$53,228	1954	0.08266	\$ 4,400	59
AC	6	293	\$41,313	1954	0.08266	\$ 3,415	59
AC	6	107	\$15,087	1954	0.08266	\$ 1,247	59
AC	6	235	\$33,065	1954	0.08266	\$ 2,733	59
AC	6	172	\$24,252	1954	0.08266	\$ 2,005	59
AC	6	785	\$110,685	1954	0.08266	\$ 9,149	59
AC	6	269	\$37,929	1954	0.08266	\$ 3,135	59

**PWFD 2-1  
ATTACHMENT C**

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
AC	6	510.5	\$71,981	1954	0.08266	\$ 5,950	59
AC	6	152	\$21,432	1954	0.08266	\$ 1,772	59
Cast iron	6	990	\$139,590	1954	0.08266	\$ 11,538	Age Assumed
Cast Iron	6	430	\$60,630	1954	0.08266	\$ 5,012	Age Assumed
Cast Iron	6	2060	\$290,460	1954	0.08266	\$ 24,009	Age Assumed
Cast Iron	6	1450	\$204,450	1954	0.08266	\$ 16,899	Age Assumed
Cast Iron	6	22.5	\$3,173	1954	0.08266	\$ 262	Age Assumed
Cast Iron	6	30	\$4,230	1954	0.08266	\$ 350	Age Assumed
Cast Iron	6	35	\$4,935	1954	0.08266	\$ 408	Age Assumed
Cast Iron	6	20.12	\$2,837	1954	0.08266	\$ 234	Age Assumed
Cast Iron	6	13	\$1,833	1954	0.08266	\$ 152	Age Assumed
Cast iron	6	100	\$14,100	1954	0.08266	\$ 1,165	Age Assumed
Cast Iron	6	450	\$63,450	1954	0.08266	\$ 5,245	Age Assumed
Cast iron	6	100	\$14,100	1954	0.08266	\$ 1,165	Age Assumed
Cast Iron	6	1054	\$148,614	1954	0.08266	\$ 12,284	Age Assumed
Cast iron	6	1095	\$154,395	1954	0.08266	\$ 12,762	Age Assumed
Cast Iron	6	42	\$5,922	1954	0.08266	\$ 490	Age Assumed
Cast Iron	6	266	\$37,506	1954	0.08266	\$ 3,100	Age Assumed
Cast Iron	6	65.5	\$9,236	1954	0.08266	\$ 763	Age Assumed
Cast Iron	6	159.39	\$22,474	1954	0.08266	\$ 1,858	Age Assumed
Cast Iron	6	2007	\$282,987	1954	0.08266	\$ 23,391	Age Assumed
Cast iron	6	572	\$80,652	1954	0.08266	\$ 6,667	Age Assumed
Cast Iron	6	57.68	\$8,133	1954	0.08266	\$ 672	Age Assumed
Cast Iron	6	14.06	\$1,982	1954	0.08266	\$ 164	Age Assumed
Cast Iron	6	336	\$47,376	1954	0.08266	\$ 3,916	Age Assumed
Cast Iron	6	946	\$133,386	1954	0.08266	\$ 11,025	Age Assumed
Cast Iron	6	1125	\$158,625	1954	0.08266	\$ 13,112	Age Assumed
Cast Iron	6	30	\$4,230	1954	0.08266	\$ 350	Age Assumed
Cast Iron	6	845.77	\$119,254	1954	0.08266	\$ 9,857	Age Assumed
Cast Iron	6	16	\$2,256	1954	0.08266	\$ 186	Age Assumed
Cast Iron	6	17	\$2,397	1954	0.08266	\$ 198	Age Assumed
Cast Iron	6	574.89	\$81,059	1954	0.08266	\$ 6,700	Age Assumed
Cast Iron	6	46.71	\$6,586	1954	0.08266	\$ 544	Age Assumed
Cast Iron	6	44.71	\$6,304	1954	0.08266	\$ 521	Age Assumed
Cast Iron	6	36	\$5,076	1954	0.08266	\$ 420	Age Assumed
Cast iron	6	6	\$846	1954	0.08266	\$ 70	Age Assumed
Cast iron	6	20	\$2,820	1954	0.08266	\$ 233	Age Assumed
Cast iron	6	23	\$3,243	1954	0.08266	\$ 268	Age Assumed
Cast Iron	6	50	\$7,050	1954	0.08266	\$ 583	Age Assumed
Cast Iron	6	35	\$4,935	1954	0.08266	\$ 408	Age Assumed
Cast iron	6	1217	\$171,597	1954	0.08266	\$ 14,184	Age Assumed
Cast iron	6	456	\$64,296	1954	0.08266	\$ 5,315	Age Assumed
Cast iron	6	14	\$1,974	1954	0.08266	\$ 163	Age Assumed
Cast Iron	6	1077.43	\$151,918	1954	0.08266	\$ 12,557	Age Assumed
Cast Iron	6	347.62	\$49,014	1954	0.08266	\$ 4,051	Age Assumed
Cast iron	6	290	\$40,890	1954	0.08266	\$ 3,380	Age Assumed
Cast Iron	6	972.65	\$137,144	1954	0.08266	\$ 11,336	Age Assumed
Cast iron	6	35	\$4,935	1954	0.08266	\$ 408	Age Assumed
Cast Iron	6	920	\$129,720	1954	0.08266	\$ 10,722	Age Assumed
Cast iron	6	15	\$2,115	1954	0.08266	\$ 175	Age Assumed
Cast iron	6	14	\$1,974	1954	0.08266	\$ 163	Age Assumed
Cast Iron	6	804	\$113,364	1954	0.08266	\$ 9,370	Age Assumed
Cast iron	6	14.3	\$2,016	1954	0.08266	\$ 167	Age Assumed
Cast iron	6	29.7	\$4,188	1954	0.08266	\$ 346	Age Assumed
Cast iron	6	155	\$21,855	1954	0.08266	\$ 1,806	Age Assumed
Cast iron	6	10	\$1,410	1954	0.08266	\$ 117	Age Assumed
Cast iron	6	2	\$282	1954	0.08266	\$ 23	Age Assumed
Cast iron	6	132	\$18,612	1954	0.08266	\$ 1,538	Age Assumed
Cast Iron	6	25	\$3,525	1954	0.08266	\$ 291	Age Assumed
Cast iron	6	36	\$5,076	1954	0.08266	\$ 420	Age Assumed
Cast Iron	6	25	\$3,525	1954	0.08266	\$ 291	Age Assumed
Cast iron	6	25	\$3,525	1954	0.08266	\$ 291	Age Assumed
Cast iron	6	32	\$4,512	1954	0.08266	\$ 373	Age Assumed
Cast iron	6	665	\$93,765	1954	0.08266	\$ 7,750	Age Assumed
Cast iron	6	104	\$14,664	1954	0.08266	\$ 1,212	Age Assumed

**PWFD 2-1  
ATTACHMENT C**

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
Cast Iron	6	38	\$5,358	1954	0.08266	\$ 443	Age Assumed
Cast Iron	6	342.74	\$48,326	1954	0.08266	\$ 3,995	Age Assumed
Cast Iron	6	1162.6	\$163,927	1954	0.08266	\$ 13,550	Age Assumed
Cast Iron	6	30	\$4,230	1954	0.08266	\$ 350	Age Assumed
Cast Iron	6	38.5	\$5,429	1954	0.08266	\$ 449	Age Assumed
Cast Iron	6	72	\$10,152	1954	0.08266	\$ 839	Age Assumed
Cast Iron	6	72	\$10,152	1954	0.08266	\$ 839	Age Assumed
Cast Iron	6	17.25	\$2,432	1954	0.08266	\$ 201	59
Cast Iron	6	42	\$5,922	1954	0.08266	\$ 490	59
Cast Iron	6	8	\$1,128	1954	0.08266	\$ 93	59
Cast Iron	6	51.5	\$7,262	1954	0.08266	\$ 600	59
Cast iron	6	16	\$2,256	1954	0.08266	\$ 186	59
Ductile Iron	6	49	\$6,909	1954	0.08266	\$ 571	Age Assumed
Ductile Iron	6	186	\$26,226	1954	0.08266	\$ 2,168	Age Assumed
Ductile Iron	6	185	\$26,085	1954	0.08266	\$ 2,156	Age Assumed
Ductile Iron	6	155	\$21,855	1954	0.08266	\$ 1,806	Age Assumed
Ductile Iron	6	185	\$26,085	1954	0.08266	\$ 2,156	Age Assumed
Ductile Iron	6	105	\$14,805	1954	0.08266	\$ 1,224	Age Assumed
AC	8	450	\$63,450	1954	0.08266	\$ 5,245	Age Assumed
AC	8	358	\$50,478	1954	0.08266	\$ 4,172	Age Assumed
AC	8	132	\$18,612	1954	0.08266	\$ 1,538	Age Assumed
AC	8	161	\$22,701	1954	0.08266	\$ 1,876	Age Assumed
AC	8	157	\$22,137	1954	0.08266	\$ 1,830	Age Assumed
AC	8	262	\$36,942	1954	0.08266	\$ 3,054	Age Assumed
AC	8	276	\$38,916	1954	0.08266	\$ 3,217	Age Assumed
AC	8	38	\$5,358	1954	0.08266	\$ 443	Age Assumed
AC	8	448	\$63,168	1954	0.08266	\$ 5,221	Age Assumed
AC	8	84	\$11,844	1954	0.08266	\$ 979	Age Assumed
AC	8	364	\$51,324	1954	0.08266	\$ 4,242	Age Assumed
AC	8	661	\$93,201	1954	0.08266	\$ 7,704	Age Assumed
AC	8	170	\$23,970	1954	0.08266	\$ 1,981	Age Assumed
AC	8	49	\$6,909	1954	0.08266	\$ 571	Age Assumed
AC	8	240	\$33,840	1954	0.08266	\$ 2,797	Age Assumed
AC	8	225	\$31,725	1954	0.08266	\$ 2,622	Age Assumed
AC	8	66	\$9,306	1954	0.08266	\$ 769	Age Assumed
AC	8	1081	\$152,421	1954	0.08266	\$ 12,599	Age Assumed
AC	8	40	\$5,640	1954	0.08266	\$ 466	Age Assumed
AC	8	9	\$1,269	1954	0.08266	\$ 105	Age Assumed
AC	8	804	\$113,364	1954	0.08266	\$ 9,370	Age Assumed
AC	8	494	\$69,654	1954	0.08266	\$ 5,757	Age Assumed
AC	8	272.25	\$38,387	1954	0.08266	\$ 3,173	Age Assumed
AC	8	778	\$109,698	1954	0.08266	\$ 9,067	Age Assumed
AC	8	179	\$25,239	1954	0.08266	\$ 2,086	Age Assumed
AC	8	1197	\$168,777	1954	0.08266	\$ 13,951	Age Assumed
AC	8	484	\$68,244	1954	0.08266	\$ 5,641	Age Assumed
AC	8	61.31	\$8,645	1954	0.08266	\$ 715	Age Assumed
AC	8	123	\$17,343	1954	0.08266	\$ 1,434	59
AC	8	195	\$27,495	1954	0.08266	\$ 2,273	59
AC	8	1160	\$163,560	1954	0.08266	\$ 13,520	59
Cast iron	8	52	\$7,332	1954	0.08266	\$ 606	Age Assumed
Cast Iron	8	560	\$78,960	1954	0.08266	\$ 6,527	Age Assumed
Cast Iron	8	1357	\$191,337	1954	0.08266	\$ 15,816	Age Assumed
Cast Iron	8	550	\$77,550	1954	0.08266	\$ 6,410	Age Assumed
Cast Iron	8	3	\$423	1954	0.08266	\$ 35	Age Assumed
Cast iron	8	26	\$3,666	1954	0.08266	\$ 303	Age Assumed
Cast Iron	8	49	\$6,909	1954	0.08266	\$ 571	Age Assumed
Cast Iron	8	54	\$7,614	1954	0.08266	\$ 629	Age Assumed
Cast iron	8	97	\$13,677	1954	0.08266	\$ 1,131	Age Assumed
Cast iron	8	14	\$1,974	1954	0.08266	\$ 163	Age Assumed
Cast iron	8	175	\$24,675	1954	0.08266	\$ 2,040	Age Assumed
cast iron	8	38	\$5,358	1954	0.08266	\$ 443	Age Assumed
Cast iron	8	650	\$91,650	1954	0.08266	\$ 7,576	Age Assumed
Cast Iron	8	33.25	\$4,688	1954	0.08266	\$ 388	Age Assumed
Cast Iron	8	16	\$2,256	1954	0.08266	\$ 186	Age Assumed
Cast Iron	8	305	\$43,005	1954	0.08266	\$ 3,555	Age Assumed

**PWFD 2-1  
ATTACHMENT C**

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
Cast iron	8	42	\$5,922	1954	0.08266	\$ 490	Age Assumed
Cast iron	8	725	\$102,225	1954	0.08266	\$ 8,450	Age Assumed
Cast Iron	8	12	\$1,692	1954	0.08266	\$ 140	59
Cast Iron	8	44	\$6,204	1954	0.08266	\$ 513	59
Ductile Iron	8	790	\$111,390	1954	0.08266	\$ 9,207	Age Assumed
Ductile Iron	8	315	\$44,415	1954	0.08266	\$ 3,671	Age Assumed
Ductile Iron	8	18	\$2,538	1954	0.08266	\$ 210	Age Assumed
Ductile Iron	8	560	\$78,960	1954	0.08266	\$ 6,527	Age Assumed
Ductile Iron	8	315	\$44,415	1954	0.08266	\$ 3,671	Age Assumed
Ductile Iron	8	69	\$9,729	1954	0.08266	\$ 804	Age Assumed
Ductile Iron	8	303.5	\$42,794	1954	0.08266	\$ 3,537	Age Assumed
Ductile Iron	8	1026	\$144,666	1954	0.08266	\$ 11,958	Age Assumed
Ductile Iron	8	595	\$83,895	1954	0.08266	\$ 6,935	Age Assumed
Ductile Iron	8	32	\$4,512	1954	0.08266	\$ 373	Age Assumed
Ductile Iron	8	150	\$21,150	1954	0.08266	\$ 1,748	Age Assumed
Ductile Iron	8	665	\$93,765	1954	0.08266	\$ 7,750	Age Assumed
Ductile Iron	8	765	\$107,865	1954	0.08266	\$ 8,916	Age Assumed
Ductile Iron	8	47.42	\$6,686	1954	0.08266	\$ 553	Age Assumed
Ductile Iron	8	213	\$30,033	1954	0.08266	\$ 2,482	Age Assumed
Ductile Iron	8	80	\$11,280	1954	0.08266	\$ 932	Age Assumed
Ductile Iron	8	1865	\$262,965	1954	0.08266	\$ 21,736	Age Assumed
Ductile Iron	8	147	\$20,727	1954	0.08266	\$ 1,713	Age Assumed
Ductile Iron	8	1030	\$145,230	1954	0.08266	\$ 12,004	Age Assumed
Ductile Iron	8	462	\$65,142	1954	0.08266	\$ 5,385	Age Assumed
Ductile Iron	8	208.5	\$29,399	1954	0.08266	\$ 2,430	Age Assumed
Ductile Iron	8	308	\$43,428	1954	0.08266	\$ 3,590	Age Assumed
Ductile Iron	8	295	\$41,595	1954	0.08266	\$ 3,438	Age Assumed
Ductile Iron	8	760	\$107,160	1954	0.08266	\$ 8,858	Age Assumed
Ductile Iron	8	950	\$133,950	1954	0.08266	\$ 11,072	Age Assumed
Ductile Iron	8	54	\$7,614	1954	0.08266	\$ 629	Age Assumed
Ductile Iron	8	590	\$83,190	1954	0.08266	\$ 6,876	Age Assumed
Ductile Iron	8	123	\$17,343	1954	0.08266	\$ 1,434	Age Assumed
Ductile Iron	8	400	\$56,400	1954	0.08266	\$ 4,662	Age Assumed
Ductile Iron	8	880	\$124,080	1954	0.08266	\$ 10,256	Age Assumed
Ductile Iron	8	1315	\$185,415	1954	0.08266	\$ 15,326	Age Assumed
Ductile Iron	8	570	\$80,370	1954	0.08266	\$ 6,643	Age Assumed
Ductile Iron	8	322	\$45,402	1954	0.08266	\$ 3,753	Age Assumed
Ductile Iron	8	700	\$98,700	1954	0.08266	\$ 8,158	Age Assumed
Ductile Iron	8	40	\$5,640	1954	0.08266	\$ 466	Age Assumed
Ductile Iron	8	1440	\$203,040	1954	0.08266	\$ 16,783	Age Assumed
Ductile Iron	8	268	\$37,788	1954	0.08266	\$ 3,123	Age Assumed
Ductile Iron	8	460	\$64,860	1954	0.08266	\$ 5,361	Age Assumed
Ductile Iron	8	690	\$97,290	1954	0.08266	\$ 8,042	Age Assumed
Ductile Iron	8	520	\$73,320	1954	0.08266	\$ 6,060	Age Assumed
Ductile Iron	8	1180	\$166,380	1954	0.08266	\$ 13,753	Age Assumed
Ductile Iron	8	565	\$79,665	1954	0.08266	\$ 6,585	Age Assumed
Ductile Iron	8	420	\$59,220	1954	0.08266	\$ 4,895	Age Assumed
Ductile Iron	8	625	\$88,125	1954	0.08266	\$ 7,284	Age Assumed
Ductile Iron	8	1426	\$201,066	1954	0.08266	\$ 16,620	Age Assumed
Ductile Iron	8	282	\$39,762	1954	0.08266	\$ 3,287	Age Assumed
Ductile Iron	8	440	\$62,040	1954	0.08266	\$ 5,128	Age Assumed
Ductile Iron	8	318	\$44,838	1954	0.08266	\$ 3,706	Age Assumed
Ductile Iron	8	1612	\$227,292	1954	0.08266	\$ 18,788	Age Assumed
Ductile Iron	8	314	\$44,274	1954	0.08266	\$ 3,660	Age Assumed
Ductile Iron	8	1020	\$143,820	1954	0.08266	\$ 11,888	Age Assumed
Ductile Iron	8	1760	\$248,160	1954	0.08266	\$ 20,512	Age Assumed
Ductile Iron	8	237	\$33,417	1954	0.08266	\$ 2,762	Age Assumed
Ductile Iron	8	239	\$33,699	1954	0.08266	\$ 2,785	Age Assumed
Ductile Iron	8	270	\$38,070	1954	0.08266	\$ 3,147	Age Assumed
Ductile Iron	8	295	\$41,595	1954	0.08266	\$ 3,438	Age Assumed
Ductile Iron	8	3250	\$458,250	1954	0.08266	\$ 37,878	Age Assumed
Ductile Iron	8	240	\$33,840	1954	0.08266	\$ 2,797	Age Assumed
Ductile Iron	8	325	\$45,825	1954	0.08266	\$ 3,788	Age Assumed
Ductile Iron	8	250	\$35,250	1954	0.08266	\$ 2,914	Age Assumed
Ductile Iron	8	270	\$38,070	1954	0.08266	\$ 3,147	Age Assumed

**PWFD 2-1  
ATTACHMENT C**

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
Ductile Iron	8	2115	\$298,215	1954	0.08266	\$ 24,650	Age Assumed
Ductile Iron	8	250	\$35,250	1954	0.08266	\$ 2,914	Age Assumed
Ductile Iron	8	404	\$56,964	1954	0.08266	\$ 4,709	Age Assumed
Ductile Iron	8	54	\$7,614	1954	0.08266	\$ 629	Age Assumed
Ductile Iron	8	1160	\$163,560	1954	0.08266	\$ 13,520	Age Assumed
Ductile Iron	8	590	\$83,190	1954	0.08266	\$ 6,876	Age Assumed
Ductile Iron	8	588	\$82,908	1954	0.08266	\$ 6,853	Age Assumed
Ductile Iron	8	925	\$130,425	1954	0.08266	\$ 10,781	Age Assumed
Ductile Iron	8	70	\$9,870	1954	0.08266	\$ 816	Age Assumed
Ductile Iron	8	1380	\$194,580	1954	0.08266	\$ 16,084	Age Assumed
Ductile Iron	8	395	\$55,695	1954	0.08266	\$ 4,604	Age Assumed
Ductile Iron	8	1450	\$204,450	1954	0.08266	\$ 16,899	Age Assumed
Ductile Iron	8	1670	\$235,470	1954	0.08266	\$ 19,463	Age Assumed
Ductile Iron	8	540	\$76,140	1954	0.08266	\$ 6,294	Age Assumed
Ductile Iron	8	345	\$48,645	1954	0.08266	\$ 4,021	Age Assumed
PVC	8	618	\$87,138	1954	0.08266	\$ 7,203	Age Assumed
PVC	8	466	\$65,706	1954	0.08266	\$ 5,431	Age Assumed
PVC	8	322	\$45,402	1954	0.08266	\$ 3,753	Age Assumed
PVC	8	869	\$122,529	1954	0.08266	\$ 10,128	Age Assumed
PVC	8	760	\$107,160	1954	0.08266	\$ 8,858	Age Assumed
PVC	8	720	\$101,520	1954	0.08266	\$ 8,391	Age Assumed
PVC	8	1200	\$169,200	1954	0.08266	\$ 13,986	Age Assumed
PVC/Ductile Iron	8	1700	\$239,700	1954	0.08266	\$ 19,813	Age Assumed
	8	20	\$2,820	1954	0.08266	\$ 233	Age Assumed
	8	283	\$39,903	1954	0.08266	\$ 3,298	Age Assumed
	8	18	\$2,538	1954	0.08266	\$ 210	Age Assumed
Cast Iron	10	900	\$133,200	1954	0.08266	\$ 11,010	Age Assumed
Ductile Iron	10	352	\$52,022	1954	0.08266	\$ 4,300	Age Assumed
AC	12	1024	\$174,080	1954	0.08266	\$ 14,389	Age Assumed
AC	12	196	\$33,320	1954	0.08266	\$ 2,754	Age Assumed
AC	12	343	\$58,310	1954	0.08266	\$ 4,820	Age Assumed
AC	12	964	\$163,880	1954	0.08266	\$ 13,546	Age Assumed
AC	12	1525	\$259,250	1954	0.08266	\$ 21,429	Age Assumed
AC	12	722	\$122,740	1954	0.08266	\$ 10,145	Age Assumed
AC	12	404	\$68,680	1954	0.08266	\$ 5,677	Age Assumed
AC	12	863	\$146,710	1954	0.08266	\$ 12,127	Age Assumed
AC	12	1289	\$219,130	1954	0.08266	\$ 18,113	59
Cast iron	12	1709	\$290,530	1954	0.08266	\$ 24,015	Age Assumed
Cast Iron	12	2990	\$508,300	1954	0.08266	\$ 42,015	Age Assumed
Cast Iron	12	367.3	\$62,441	1954	0.08266	\$ 5,161	Age Assumed
Cast iron	12	1372	\$233,240	1954	0.08266	\$ 19,279	Age Assumed
Cast iron	12	1856	\$315,520	1954	0.08266	\$ 26,080	Age Assumed
Cast iron	12	950	\$161,500	1954	0.08266	\$ 13,349	Age Assumed
Cast iron	12	926	\$157,420	1954	0.08266	\$ 13,012	Age Assumed
Cast iron	12	570	\$96,900	1954	0.08266	\$ 8,010	Age Assumed
Cast iron	12	1115	\$189,550	1954	0.08266	\$ 15,668	Age Assumed
Cast iron	12	600	\$102,000	1954	0.08266	\$ 8,431	Age Assumed
Cast iron	12	3715	\$631,550	1954	0.08266	\$ 52,203	Age Assumed
Cast iron	12	170	\$28,900	1954	0.08266	\$ 2,389	Age Assumed
Cast iron	12	632	\$107,440	1954	0.08266	\$ 8,881	Age Assumed
Cast Iron	12	216	\$36,720	1954	0.08266	\$ 3,035	Age Assumed
Cast Iron	12	139	\$23,630	1954	0.08266	\$ 1,953	Age Assumed
Cast Iron/Ductile Iron	12	1700	\$289,000	1954	0.08266	\$ 23,888	Age Assumed
Ductile Iron	12	225	\$38,250	1954	0.08266	\$ 3,162	Age Assumed
Ductile Iron	12	233	\$39,610	1954	0.08266	\$ 3,274	Age Assumed
Ductile Iron	12	188	\$31,960	1954	0.08266	\$ 2,642	Age Assumed
Ductile Iron	12	50	\$8,500	1954	0.08266	\$ 703	Age Assumed
Ductile Iron	12	468	\$79,560	1954	0.08266	\$ 6,576	Age Assumed
Ductile Iron	12	326	\$55,420	1954	0.08266	\$ 4,581	Age Assumed
Ductile Iron	12	1320	\$224,400	1954	0.08266	\$ 18,548	Age Assumed
Ductile Iron	12	860	\$146,200	1954	0.08266	\$ 12,085	Age Assumed
Ductile Iron	12	730	\$124,100	1954	0.08266	\$ 10,258	Age Assumed
Ductile Iron	12	369.25	\$62,773	1954	0.08266	\$ 5,189	Age Assumed
Ductile Iron	12	898.17	\$152,689	1954	0.08266	\$ 12,621	Age Assumed
Ductile Iron	12	2557.26	\$434,734	1954	0.08266	\$ 35,934	Age Assumed

**PWFD 2-1  
ATTACHMENT C**

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
Ductile Iron	12	40.75	\$6,928	1954	0.08266	\$ 573	Age Assumed
Ductile Iron	12	1740	\$295,800	1954	0.08266	\$ 24,450	Age Assumed
Ductile Iron	12	3081	\$523,770	1954	0.08266	\$ 43,294	Age Assumed
Ductile Iron	12	885	\$150,450	1954	0.08266	\$ 12,436	Age Assumed
Ductile Iron	12	198	\$33,660	1954	0.08266	\$ 2,782	Age Assumed
Ductile Iron	12	1740	\$295,800	1954	0.08266	\$ 24,450	Age Assumed
Ductile Iron	12	5672	\$964,240	1954	0.08266	\$ 79,702	Age Assumed
Ductile Iron	12	1350	\$229,500	1954	0.08266	\$ 18,970	Age Assumed
PVC	12	786	\$133,620	1954	0.08266	\$ 11,045	Age Assumed
PVC	12	1668	\$283,560	1954	0.08266	\$ 23,439	Age Assumed
PVC	12	1355	\$230,350	1954	0.08266	\$ 19,040	Age Assumed
PVC	12	450	\$76,500	1954	0.08266	\$ 6,323	Age Assumed
PVC	12	646.5	\$109,905	1954	0.08266	\$ 9,085	Age Assumed
Cast iron	16	41	\$7,872	1954	0.08266	\$ 651	Age Assumed
Cast Iron	20	970	\$258,020	1954	0.08266	\$ 21,327	Age Assumed
Cast iron	20	1300	\$345,800	1954	0.08266	\$ 28,583	Age Assumed
Cast iron	20	486	\$129,276	1954	0.08266	\$ 10,686	Age Assumed
Cast iron	20	1647	\$438,102	1954	0.08266	\$ 36,213	Age Assumed
Cast iron	20	1668	\$443,688	1954	0.08266	\$ 36,674	Age Assumed
Cast iron	20	1318	\$350,588	1954	0.08266	\$ 28,979	Age Assumed
Cast iron	20	642	\$170,772	1954	0.08266	\$ 14,116	Age Assumed
Cast iron	20	543	\$144,438	1954	0.08266	\$ 11,939	Age Assumed
AC	24	487	\$158,762	1954	0.08266	\$ 13,123	Age Assumed
cast iron	24	60	\$19,560	1954	0.08266	\$ 1,617	Age Assumed
cast iron	24	216	\$70,416	1954	0.08266	\$ 5,820	Age Assumed
Cast iron	24	1581	\$515,406	1954	0.08266	\$ 42,602	Age Assumed
RCP	24	5662	\$1,845,812	1954	0.08266	\$ 152,571	Age Assumed
		115	\$16,215	1954	0.08266	\$ 1,340	Age Assumed
		803	\$113,223	1954	0.08266	\$ 9,359	Age Assumed
Iron Pipe	2	20	\$2,820	1955	0.08590	\$ 242	58
AC	6	22	\$3,102	1955	0.08590	\$ 266	58
AC	6	1596	\$225,036	1955	0.08590	\$ 19,330	58
AC	6	973.5	\$137,264	1955	0.08590	\$ 11,791	58
AC	6	298	\$42,018	1955	0.08590	\$ 3,609	58
AC	6	629	\$88,689	1955	0.08590	\$ 7,618	58
AC	6	39.5	\$5,570	1955	0.08590	\$ 478	58
AC	6	149.5	\$21,080	1955	0.08590	\$ 1,811	58
AC	6	1200	\$169,200	1955	0.08590	\$ 14,534	58
AC	6	13	\$1,833	1955	0.08590	\$ 157	58
AC	6	465	\$65,565	1955	0.08590	\$ 5,632	58
AC	6	646	\$91,086	1955	0.08590	\$ 7,824	58
AC	6	249	\$35,109	1955	0.08590	\$ 3,016	58
AC	6	107	\$15,087	1955	0.08590	\$ 1,296	58
AC	6	81	\$11,421	1955	0.08590	\$ 981	58
AC	6	279	\$39,339	1955	0.08590	\$ 3,379	58
AC	6	16	\$2,256	1955	0.08590	\$ 194	58
AC	6	500	\$70,500	1955	0.08590	\$ 6,056	58
AC	8	1109	\$156,369	1955	0.08590	\$ 13,432	58
AC	8	192	\$27,072	1955	0.08590	\$ 2,325	58
AC	8	19.5	\$2,750	1955	0.08590	\$ 236	58
AC	8	249.5	\$35,180	1955	0.08590	\$ 3,022	58
AC	8	159	\$22,419	1955	0.08590	\$ 1,926	58
AC	8	1141.1	\$160,895	1955	0.08590	\$ 13,821	58
AC	8	82	\$11,562	1955	0.08590	\$ 993	58
AC	8	357.5	\$50,408	1955	0.08590	\$ 4,330	58
AC	8	1268	\$178,788	1955	0.08590	\$ 15,358	58
AC	8	110	\$15,510	1955	0.08590	\$ 1,332	58
AC	8	257	\$36,237	1955	0.08590	\$ 3,113	58
AC	8	215	\$30,315	1955	0.08590	\$ 2,604	58
AC	8	195	\$27,495	1955	0.08590	\$ 2,362	58
AC	8	747	\$105,327	1955	0.08590	\$ 9,048	58
AC	8	162	\$22,842	1955	0.08590	\$ 1,962	58
AC	8	91	\$12,831	1955	0.08590	\$ 1,102	58
AC	8	8	\$1,128	1955	0.08590	\$ 97	58
AC	8	693	\$97,713	1955	0.08590	\$ 8,393	58

PWFD 2-1  
ATTACHMENT C

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
Cast Iron	8	44.5	\$6,275	1955	0.08590	\$ 539	58
Cast iron	8	149	\$21,009	1955	0.08590	\$ 1,805	58
cast iron	8	44.5	\$6,275	1955	0.08590	\$ 539	58
Cast Iron	8	56	\$7,896	1955	0.08590	\$ 678	58
Cast Iron	8	32	\$4,512	1955	0.08590	\$ 388	58
AC	12	715	\$121,550	1955	0.08590	\$ 10,441	58
Cem Lined	2	123	\$17,343	1956	0.09238	\$ 1,602	57
Iron Pipe	2	269.44	\$37,991	1956	0.09238	\$ 3,510	57
Wrought Iron	2	369	\$52,029	1956	0.09238	\$ 4,807	57
AC	6	1240	\$174,840	1956	0.09238	\$ 16,152	57
AC	6	57	\$8,037	1956	0.09238	\$ 742	57
AC	6	469	\$66,129	1956	0.09238	\$ 6,109	57
AC	6	370	\$52,170	1956	0.09238	\$ 4,820	57
AC	6	88.5	\$12,479	1956	0.09238	\$ 1,153	57
AC	6	345.5	\$48,716	1956	0.09238	\$ 4,500	57
AC	6	359	\$50,619	1956	0.09238	\$ 4,676	57
AC	6	281	\$39,621	1956	0.09238	\$ 3,660	57
AC	6	46	\$6,486	1956	0.09238	\$ 599	57
AC	6	56	\$7,896	1956	0.09238	\$ 729	57
AC	6	223	\$31,443	1956	0.09238	\$ 2,905	57
AC	6	59	\$8,319	1956	0.09238	\$ 769	57
AC	6	152	\$21,432	1956	0.09238	\$ 1,980	57
AC	6	81	\$11,421	1956	0.09238	\$ 1,055	57
AC	6	181	\$25,521	1956	0.09238	\$ 2,358	57
AC	6	105	\$14,805	1956	0.09238	\$ 1,368	57
AC	6	29.5	\$4,160	1956	0.09238	\$ 384	57
AC	6	3	\$423	1956	0.09238	\$ 39	57
AC	6	39	\$5,499	1956	0.09238	\$ 508	57
Cast Iron	6	6	\$776	1956	0.09238	\$ 72	57
Cast Iron	6	6.5	\$917	1956	0.09238	\$ 85	57
Cast iron	6	9	\$1,269	1956	0.09238	\$ 117	57
AC	8	856	\$120,696	1956	0.09238	\$ 11,150	57
AC	8	680	\$95,880	1956	0.09238	\$ 8,858	57
AC	8	458.5	\$64,649	1956	0.09238	\$ 5,972	57
AC	8	674	\$95,034	1956	0.09238	\$ 8,779	57
AC	8	91.5	\$12,902	1956	0.09238	\$ 1,192	57
AC	8	78	\$10,998	1956	0.09238	\$ 1,016	57
AC	8	71	\$10,011	1956	0.09238	\$ 925	57
AC	8	256	\$36,096	1956	0.09238	\$ 3,335	57
AC	8	192	\$27,072	1956	0.09238	\$ 2,501	57
AC	8	741	\$104,481	1956	0.09238	\$ 9,652	57
AC	8	155	\$21,855	1956	0.09238	\$ 2,019	57
AC	8	155	\$21,855	1956	0.09238	\$ 2,019	57
AC	8	143	\$20,163	1956	0.09238	\$ 1,863	57
Cast Iron	8	91.5	\$12,902	1956	0.09238	\$ 1,192	57
Cast Iron	8	48	\$6,768	1956	0.09238	\$ 625	57
Copper	2	100	\$14,100	1957	0.09724	\$ 1,371	56
Iron Pipe	2	48	\$6,768	1957	0.09724	\$ 658	56
Wrought Iron	2	280	\$39,480	1957	0.09724	\$ 3,839	56
AC	4	500	\$70,500	1957	0.09724	\$ 6,856	56
AC	4	407	\$57,387	1957	0.09724	\$ 5,581	56
AC	6	163	\$22,983	1957	0.09724	\$ 2,235	56
AC	6	37	\$5,217	1957	0.09724	\$ 507	56
AC	6	578	\$81,498	1957	0.09724	\$ 7,925	56
AC	6	72	\$10,152	1957	0.09724	\$ 987	56
AC	6	156	\$21,996	1957	0.09724	\$ 2,139	56
AC	6	64	\$9,024	1957	0.09724	\$ 878	56
AC	6	289.04	\$40,755	1957	0.09724	\$ 3,963	56
AC	6	52	\$7,332	1957	0.09724	\$ 713	56
AC	6	351.5	\$49,562	1957	0.09724	\$ 4,820	56
AC	6	901	\$127,041	1957	0.09724	\$ 12,354	56
AC	6	385	\$54,285	1957	0.09724	\$ 5,279	56
AC	6	437.5	\$61,688	1957	0.09724	\$ 5,999	56
AC	6	365	\$51,465	1957	0.09724	\$ 5,005	56
Cast Iron	6	29.5	\$4,160	1957	0.09724	\$ 404	56

PWFD 2-1  
ATTACHMENT C

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
Cast Iron	6	16	\$2,256	1957	0.09724	\$ 219	56
Cast Iron	6	32.55	\$4,590	1957	0.09724	\$ 446	56
Cast Iron	6	35	\$4,935	1957	0.09724	\$ 480	56
Cast Iron	6	32	\$4,512	1957	0.09724	\$ 439	56
Cast Iron	6	5	\$705	1957	0.09724	\$ 69	56
Cast Iron	6	31	\$4,371	1957	0.09724	\$ 425	56
AC	8	713	\$100,533	1957	0.09724	\$ 9,776	56
AC	8	275	\$38,775	1957	0.09724	\$ 3,771	56
AC	8	175	\$24,675	1957	0.09724	\$ 2,400	56
AC	8	157	\$22,137	1957	0.09724	\$ 2,153	56
AC	8	708	\$99,828	1957	0.09724	\$ 9,708	56
Cast Iron	8	22	\$3,102	1957	0.09724	\$ 302	56
Cast Iron	8	10.5	\$1,481	1957	0.09724	\$ 144	56
Cast Iron	8	42	\$5,922	1957	0.09724	\$ 576	56
cast iron	8	23	\$3,243	1957	0.09724	\$ 315	56
AC	12	234	\$39,780	1957	0.09724	\$ 3,868	56
AC	12	499	\$84,830	1957	0.09724	\$ 8,249	56
AC	12	1195.5	\$203,235	1957	0.09724	\$ 19,764	56
AC	12	588	\$99,960	1957	0.09724	\$ 9,721	56
AC	12	1357	\$230,690	1957	0.09724	\$ 22,433	56
Cast Iron	12	48	\$8,160	1957	0.09724	\$ 794	56
Cast Iron	12	29.5	\$5,015	1957	0.09724	\$ 488	56
AC	6	175	\$24,675	1958	0.10211	\$ 2,519	55
AC	6	394	\$55,554	1958	0.10211	\$ 5,672	55
AC	6	45	\$6,345	1958	0.10211	\$ 648	55
AC	6	74	\$10,434	1958	0.10211	\$ 1,065	55
AC	6	58	\$8,178	1958	0.10211	\$ 835	55
AC	8	205	\$28,905	1958	0.10211	\$ 2,951	55
AC	8	458	\$64,578	1958	0.10211	\$ 6,594	55
AC	8	1667	\$235,047	1958	0.10211	\$ 24,000	55
AC	8	463	\$65,283	1958	0.10211	\$ 6,666	55
AC	8	306.5	\$43,217	1958	0.10211	\$ 4,413	55
AC	10	663	\$98,124	1958	0.10211	\$ 10,019	55
AC	10	1540	\$227,920	1958	0.10211	\$ 23,272	55
AC	6	221	\$31,161	1959	0.10535	\$ 3,283	54
AC	6	13	\$1,833	1959	0.10535	\$ 193	54
AC	6	195.5	\$27,566	1959	0.10535	\$ 2,904	54
AC	6	187	\$26,367	1959	0.10535	\$ 2,778	54
AC	8	1495	\$210,795	1959	0.10535	\$ 22,207	54
AC	8	139	\$19,599	1959	0.10535	\$ 2,065	54
AC	8	1974	\$278,334	1959	0.10535	\$ 29,322	54
AC	8	1760	\$248,160	1959	0.10535	\$ 26,143	54
AC	8	354	\$49,914	1959	0.10535	\$ 5,258	54
AC	8	554	\$78,114	1959	0.10535	\$ 8,229	54
AC	8	411	\$57,951	1959	0.10535	\$ 6,105	54
AC	8	1161	\$163,701	1959	0.10535	\$ 17,246	54
AC	8	676	\$95,316	1959	0.10535	\$ 10,041	54
AC	8	202	\$28,482	1959	0.10535	\$ 3,001	54
AC	12	147	\$24,990	1959	0.10535	\$ 2,633	54
Cast Iron	12	2670	\$453,900	1959	0.10535	\$ 47,818	54
Iron Pipe	1.5	73	\$10,293	1960	0.11021	\$ 1,134	53
AC	6	124	\$17,484	1960	0.11021	\$ 1,927	53
AC	6	198	\$27,918	1960	0.11021	\$ 3,077	53
AC	6	201	\$28,341	1960	0.11021	\$ 3,123	53
Cast Iron	6	3	\$423	1960	0.11021	\$ 47	53
AC	8	899	\$126,759	1960	0.11021	\$ 13,970	53
AC	8	350	\$49,350	1960	0.11021	\$ 5,439	53
AC	8	418	\$58,938	1960	0.11021	\$ 6,496	53
AC	8	39	\$5,499	1960	0.11021	\$ 606	53
AC	8	885	\$124,785	1960	0.11021	\$ 13,753	53
AC	8	398	\$56,118	1960	0.11021	\$ 6,185	53
AC	8	238	\$33,558	1960	0.11021	\$ 3,698	53
AC	8	875	\$123,375	1960	0.11021	\$ 13,597	53
AC	8	189	\$26,649	1960	0.11021	\$ 2,937	53
AC	8	52	\$7,332	1960	0.11021	\$ 808	53

**PWFD 2-1  
ATTACHMENT C**

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
AC	8	445	\$62,745	1960	0.11021	\$ 6,915	53
AC	8	620	\$87,420	1960	0.11021	\$ 9,635	53
AC	8	1041	\$146,781	1960	0.11021	\$ 16,177	53
AC	8	52	\$7,332	1960	0.11021	\$ 808	53
AC	8	1500	\$211,500	1960	0.11021	\$ 23,310	53
AC	10	1003	\$148,444	1960	0.11021	\$ 16,360	53
Cast Iron	10	50	\$7,400	1960	0.11021	\$ 816	53
AC	12	230	\$39,100	1960	0.11021	\$ 4,309	53
AC	4	30	\$4,230	1961	0.11183	\$ 473	52
AC	6	151	\$21,291	1961	0.11183	\$ 2,381	52
AC	6	286.11	\$40,342	1961	0.11183	\$ 4,511	52
AC	6	120	\$16,920	1961	0.11183	\$ 1,892	52
AC	6	114	\$16,074	1961	0.11183	\$ 1,798	52
AC	6	6	\$846	1961	0.11183	\$ 95	52
AC	8	1403	\$197,823	1961	0.11183	\$ 22,123	52
AC	8	221	\$31,161	1961	0.11183	\$ 3,485	52
AC	8	85	\$11,985	1961	0.11183	\$ 1,340	52
AC	8	495	\$69,795	1961	0.11183	\$ 7,805	52
AC	8	258	\$36,378	1961	0.11183	\$ 4,068	52
AC	8	440.5	\$62,111	1961	0.11183	\$ 6,946	52
AC	8	6	\$846	1961	0.11183	\$ 95	52
AC	8	394	\$55,554	1961	0.11183	\$ 6,213	52
AC	8	443	\$62,463	1961	0.11183	\$ 6,985	52
AC	8	468	\$65,988	1961	0.11183	\$ 7,380	52
AC	8	180	\$25,380	1961	0.11183	\$ 2,838	52
AC	8	929.5	\$131,060	1961	0.11183	\$ 14,657	52
AC	8	53	\$7,473	1961	0.11183	\$ 836	52
AC	8	100	\$14,100	1961	0.11183	\$ 1,577	52
AC	8	456	\$64,296	1961	0.11183	\$ 7,190	52
AC	8	425	\$59,925	1961	0.11183	\$ 6,701	52
AC	8	195	\$27,495	1961	0.11183	\$ 3,075	52
AC	8	133.5	\$18,824	1961	0.11183	\$ 2,105	52
AC	8	330	\$46,530	1961	0.11183	\$ 5,204	52
AC	8	28	\$3,948	1961	0.11183	\$ 442	52
AC	8	69	\$9,729	1961	0.11183	\$ 1,088	52
AC	8	43	\$6,063	1961	0.11183	\$ 678	52
AC	8	285	\$40,185	1961	0.11183	\$ 4,494	52
AC	12	1205	\$204,850	1961	0.11183	\$ 22,909	52
AC	8	89	\$12,549	1962	0.11507	\$ 1,444	51
AC	8	79	\$11,139	1962	0.11507	\$ 1,282	51
AC	8	283	\$39,903	1962	0.11507	\$ 4,592	51
AC	8	412	\$58,092	1962	0.11507	\$ 6,685	51
AC	8	417	\$58,797	1962	0.11507	\$ 6,766	51
AC	8	221	\$31,161	1962	0.11507	\$ 3,586	51
AC	8	19.5	\$2,750	1962	0.11507	\$ 316	51
AC	8	505	\$71,205	1962	0.11507	\$ 8,194	51
AC	8	637	\$89,817	1962	0.11507	\$ 10,336	51
AC	8	197.5	\$27,848	1962	0.11507	\$ 3,204	51
AC	8	166.5	\$23,477	1962	0.11507	\$ 2,702	51
AC	8	160	\$22,560	1962	0.11507	\$ 2,596	51
AC	8	566	\$79,806	1962	0.11507	\$ 9,184	51
AC	8	275	\$38,775	1962	0.11507	\$ 4,462	51
AC	8	282.5	\$39,833	1962	0.11507	\$ 4,584	51
AC	8	265	\$37,365	1962	0.11507	\$ 4,300	51
AC	8	587	\$82,767	1962	0.11507	\$ 9,524	51
AC	8	675	\$95,175	1962	0.11507	\$ 10,952	51
AC	8	871	\$122,811	1962	0.11507	\$ 14,132	51
AC	10	854	\$126,392	1962	0.11507	\$ 14,544	51
AC	12	271	\$46,070	1962	0.11507	\$ 5,301	51
AC	4	3201	\$451,341	1963	0.11669	\$ 52,669	50
AC	6	166	\$23,406	1963	0.11669	\$ 2,731	50
AC	6	167	\$23,547	1963	0.11669	\$ 2,748	50
AC	6	150	\$21,150	1963	0.11669	\$ 2,468	50
AC	8	1603	\$226,023	1963	0.11669	\$ 26,375	50
AC	8	905	\$127,605	1963	0.11669	\$ 14,891	50

**PWFD 2-1  
ATTACHMENT C**

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
AC	8	315	\$44,415	1963	0.11669	\$ 5,183	50
AC	8	771	\$108,711	1963	0.11669	\$ 12,686	50
AC	8	158	\$22,278	1963	0.11669	\$ 2,600	50
AC	8	99	\$13,959	1963	0.11669	\$ 1,629	50
AC	8	280	\$39,480	1963	0.11669	\$ 4,607	50
AC	8	824	\$116,184	1963	0.11669	\$ 13,558	50
Copper	1.25	98	\$13,818	1964	0.11831	\$ 1,635	49
AC	6	82	\$11,562	1964	0.11831	\$ 1,368	49
AC	6	100	\$14,100	1964	0.11831	\$ 1,668	49
AC	6	138	\$19,458	1964	0.11831	\$ 2,302	49
AC	8	975	\$137,475	1964	0.11831	\$ 16,265	49
AC	8	226	\$31,866	1964	0.11831	\$ 3,770	49
AC	8	870	\$122,670	1964	0.11831	\$ 14,514	49
AC	8	237	\$33,417	1964	0.11831	\$ 3,954	49
AC	8	195	\$27,495	1964	0.11831	\$ 3,253	49
AC	8	6	\$846	1964	0.11831	\$ 100	49
AC	8	754	\$106,314	1964	0.11831	\$ 12,578	49
AC	8	775	\$109,275	1964	0.11831	\$ 12,929	49
AC	8	589	\$83,049	1964	0.11831	\$ 9,826	49
AC	8	342	\$48,222	1964	0.11831	\$ 5,705	49
AC	10	985	\$145,780	1964	0.11831	\$ 17,248	49
AC	12	1039	\$176,630	1964	0.11831	\$ 20,898	49
AC	12	157	\$26,690	1964	0.11831	\$ 3,158	49
AC	12	208	\$35,360	1964	0.11831	\$ 4,184	49
AC	12	577	\$98,090	1964	0.11831	\$ 11,605	49
AC	4	364	\$51,324	1965	0.11994	\$ 6,156	48
AC	6	85	\$11,985	1965	0.11994	\$ 1,437	48
AC	6	160	\$22,560	1965	0.11994	\$ 2,706	48
AC	6	40	\$5,640	1965	0.11994	\$ 676	48
AC	6	25	\$3,525	1965	0.11994	\$ 423	48
AC	6	146	\$20,586	1965	0.11994	\$ 2,469	48
AC	6	90	\$12,690	1965	0.11994	\$ 1,522	48
AC	6	70	\$9,870	1965	0.11994	\$ 1,184	48
Cast iron	6	20	\$2,820	1965	0.11994	\$ 338	48
Cast Iron	6	65	\$9,165	1965	0.11994	\$ 1,099	48
AC	8	756	\$106,596	1965	0.11994	\$ 12,785	48
AC	8	958	\$135,078	1965	0.11994	\$ 16,201	48
AC	8	560	\$78,960	1965	0.11994	\$ 9,470	48
AC	8	66	\$9,306	1965	0.11994	\$ 1,116	48
AC	8	608	\$85,728	1965	0.11994	\$ 10,282	48
AC	8	39	\$5,499	1965	0.11994	\$ 660	48
AC	8	511	\$72,051	1965	0.11994	\$ 8,641	48
AC	12	1841	\$312,970	1965	0.11994	\$ 37,536	48
AC	12	2509	\$426,530	1965	0.11994	\$ 51,156	48
Cast iron	16	260	\$49,920	1965	0.11994	\$ 5,987	48
Cast Iron	18	150	\$33,300	1965	0.11994	\$ 3,994	48
Cast Iron	20	815	\$216,790	1965	0.11994	\$ 26,001	48
AC	6	205	\$28,905	1966	0.12156	\$ 3,514	47
AC	6	20	\$2,820	1966	0.12156	\$ 343	47
AC	6	584	\$82,344	1966	0.12156	\$ 10,009	47
AC	6	30	\$4,230	1966	0.12156	\$ 514	47
Cast Iron	6	43	\$6,063	1966	0.12156	\$ 737	47
Cast iron	6	30	\$4,230	1966	0.12156	\$ 514	47
AC	8	43	\$6,063	1966	0.12156	\$ 737	47
AC	8	79.5	\$11,210	1966	0.12156	\$ 1,363	47
AC	8	718	\$101,238	1966	0.12156	\$ 12,306	47
AC	8	1052	\$148,332	1966	0.12156	\$ 18,031	47
AC	8	73	\$10,293	1966	0.12156	\$ 1,251	47
AC	8	733	\$103,353	1966	0.12156	\$ 12,563	47
AC	8	600	\$84,600	1966	0.12156	\$ 10,284	47
AC	8	864	\$121,824	1966	0.12156	\$ 14,808	47
AC	8	130	\$18,330	1966	0.12156	\$ 2,228	47
AC	8	1089	\$153,549	1966	0.12156	\$ 18,665	47
AC	12	1457	\$247,690	1966	0.12156	\$ 30,108	47
AC	12	336	\$57,120	1966	0.12156	\$ 6,943	47

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ATTACHMENT C

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
AC	12	464	\$78,880	1966	0.12156	\$ 9,588	47
	12	28	\$4,760	1966	0.12156	\$ 579	47
Cast iron	16	530	\$101,760	1966	0.12156	\$ 12,370	47
Cast iron	16	2175	\$417,600	1966	0.12156	\$ 50,762	47
Cast Iron	16	1303	\$250,176	1966	0.12156	\$ 30,410	47
Cast iron	16	1492	\$286,464	1966	0.12156	\$ 34,821	47
CI - CL	20	1783	\$474,278	1966	0.12156	\$ 57,651	47
Iron Pipe	2	158.33	\$22,325	1967	0.12318	\$ 2,750	46
AC	6	35	\$4,935	1967	0.12318	\$ 608	46
AC	6	35	\$4,935	1967	0.12318	\$ 608	46
AC	6	13	\$1,833	1967	0.12318	\$ 226	46
AC	6	120	\$16,920	1967	0.12318	\$ 2,084	46
AC	6	20	\$2,820	1967	0.12318	\$ 347	46
Cast iron	6	35	\$4,935	1967	0.12318	\$ 608	46
Cast iron	6	52	\$7,332	1967	0.12318	\$ 903	46
AC	8	98	\$13,818	1967	0.12318	\$ 1,702	46
AC	8	69	\$9,729	1967	0.12318	\$ 1,198	46
AC	8	89	\$12,549	1967	0.12318	\$ 1,546	46
AC	8	487	\$68,667	1967	0.12318	\$ 8,458	46
AC	8	431	\$60,771	1967	0.12318	\$ 7,486	46
AC	8	20	\$2,820	1967	0.12318	\$ 347	46
AC	8	130	\$18,330	1967	0.12318	\$ 2,258	46
AC	8	153	\$21,573	1967	0.12318	\$ 2,657	46
AC	8	290	\$40,890	1967	0.12318	\$ 5,037	46
AC	8	79	\$11,139	1967	0.12318	\$ 1,372	46
Cast Iron	8	80	\$11,280	1967	0.12318	\$ 1,389	46
AC	10	25	\$3,700	1967	0.12318	\$ 456	46
Cast Iron	10	31	\$4,588	1967	0.12318	\$ 565	46
AC	12	1889	\$321,130	1967	0.12318	\$ 39,556	46
AC	12	921	\$156,570	1967	0.12318	\$ 19,286	46
AC	12	74	\$12,580	1967	0.12318	\$ 1,550	46
AC	12	66	\$11,220	1967	0.12318	\$ 1,382	46
AC	12	8747	\$1,486,990	1967	0.12318	\$ 183,162	46
AC	12	690	\$117,300	1967	0.12318	\$ 14,449	46
Cast iron	12	623	\$105,910	1967	0.12318	\$ 13,046	46
Cast Iron	12	650	\$110,500	1967	0.12318	\$ 13,611	46
Cast Iron	12	136	\$23,120	1967	0.12318	\$ 2,848	46
Cast iron	16	2722	\$522,624	1967	0.12318	\$ 64,375	46
AC	6	100	\$14,100	1968	0.12480	\$ 1,760	45
AC	6	384	\$54,144	1968	0.12480	\$ 6,757	45
AC	6	113	\$15,863	1968	0.12480	\$ 1,980	45
AC	8	509	\$71,769	1968	0.12480	\$ 8,957	45
AC	8	253	\$35,673	1968	0.12480	\$ 4,452	45
AC	8	280	\$39,480	1968	0.12480	\$ 4,927	45
AC	8	236	\$33,276	1968	0.12480	\$ 4,153	45
AC	8	379	\$53,439	1968	0.12480	\$ 6,669	45
AC	8	368	\$51,888	1968	0.12480	\$ 6,475	45
AC	8	218	\$30,738	1968	0.12480	\$ 3,836	45
AC	8	520	\$73,320	1968	0.12480	\$ 9,150	45
AC	8	565	\$79,665	1968	0.12480	\$ 9,942	45
Cast iron	12	340	\$57,800	1968	0.12480	\$ 7,213	45
Cast iron	12	612	\$104,040	1968	0.12480	\$ 12,984	45
AC	6	100	\$14,100	1969	0.12966	\$ 1,828	44
AC	6	325	\$45,825	1969	0.12966	\$ 5,942	44
AC	6	258	\$36,378	1969	0.12966	\$ 4,717	44
Cast Iron	6	15	\$2,115	1969	0.12966	\$ 274	44
AC	8	841	\$118,581	1969	0.12966	\$ 15,375	44
AC	8	1205	\$169,905	1969	0.12966	\$ 22,030	44
AC	8	13	\$1,833	1969	0.12966	\$ 238	44
AC	8	159	\$22,419	1969	0.12966	\$ 2,907	44
AC	8	169	\$23,829	1969	0.12966	\$ 3,090	44
AC	8	916	\$129,156	1969	0.12966	\$ 16,746	44
AC	8	974	\$137,334	1969	0.12966	\$ 17,807	44
AC	8	326	\$45,966	1969	0.12966	\$ 5,960	44
AC	8	622	\$87,702	1969	0.12966	\$ 11,371	44

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ATTACHMENT C

Material	Dia (in)	Lth (ft)	Estimated Replacement Cost	Yr in Service	Handy-Whitman Original Cost Factor	Estimated Original Cost	Age
AC	8	307	\$43,287	1969	0.12966	\$ 5,613	44
AC	8	912	\$128,592	1969	0.12966	\$ 16,673	44
AC	8	153	\$21,573	1969	0.12966	\$ 2,797	44
AC	8	138	\$19,458	1969	0.12966	\$ 2,523	44
AC	8	327	\$46,107	1969	0.12966	\$ 5,978	44
AC	8	994	\$140,154	1969	0.12966	\$ 18,172	44
AC	8	1157	\$163,137	1969	0.12966	\$ 21,152	44
AC	8	170	\$23,970	1969	0.12966	\$ 3,108	44
Cast Iron	8	260	\$36,660	1969	0.12966	\$ 4,753	44
AC	10	680	\$100,640	1969	0.12966	\$ 13,049	44
AC	10	1625	\$240,500	1969	0.12966	\$ 31,183	44
AC	10	814	\$120,472	1969	0.12966	\$ 15,620	44
AC	10	704	\$104,192	1969	0.12966	\$ 13,509	44
AC	10	641	\$94,868	1969	0.12966	\$ 12,301	44
AC	12	832	\$141,440	1969	0.12966	\$ 18,339	44
AC	12	560	\$95,200	1969	0.12966	\$ 12,344	44
AC	12	276	\$46,920	1969	0.12966	\$ 6,084	44
AC	12	1505	\$255,850	1969	0.12966	\$ 33,173	44
AC	12	622	\$105,740	1969	0.12966	\$ 13,710	44
AC	12	891	\$151,470	1969	0.12966	\$ 19,640	44
AC	12	615	\$104,550	1969	0.12966	\$ 13,556	44
AC	12	844	\$143,480	1969	0.12966	\$ 18,604	44
AC	12	1833	\$311,610	1969	0.12966	\$ 40,403	44
Cast Iron	12	160	\$27,200	1969	0.12966	\$ 3,527	44
AC	16	141	\$27,072	1969	0.12966	\$ 3,510	44
Cast iron	4	5	\$705	1970	0.13614	\$ 96	43
AC	6	600	\$84,600	1970	0.13614	\$ 11,518	43
AC	6	21	\$2,961	1970	0.13614	\$ 403	43
AC	6	75	\$10,575	1970	0.13614	\$ 1,440	43
AC	6	3.5	\$494	1970	0.13614	\$ 67	43
AC	6	196	\$27,636	1970	0.13614	\$ 3,762	43
AC	8	41	\$5,781	1970	0.13614	\$ 787	43
AC	8	698	\$98,418	1970	0.13614	\$ 13,399	43
AC	8	270	\$38,070	1970	0.13614	\$ 5,183	43
AC	8	457	\$64,437	1970	0.13614	\$ 8,773	43
AC	8	300	\$42,300	1970	0.13614	\$ 5,759	43
AC	8	387	\$54,567	1970	0.13614	\$ 7,429	43
AC	8	1386	\$195,426	1970	0.13614	\$ 26,606	43
AC	8	328	\$46,248	1970	0.13614	\$ 6,296	43
AC	8	1011	\$142,551	1970	0.13614	\$ 19,407	43
AC	8	911	\$128,451	1970	0.13614	\$ 17,488	43
AC	8	1000	\$141,000	1970	0.13614	\$ 19,196	43
AC	8	1067	\$150,447	1970	0.13614	\$ 20,482	43
AC	8	226	\$31,866	1970	0.13614	\$ 4,338	43
AC	8	685	\$96,585	1970	0.13614	\$ 13,149	43
AC	8	655	\$92,355	1970	0.13614	\$ 12,573	43
AC	8	33	\$4,653	1970	0.13614	\$ 633	43
AC	8	38	\$5,358	1970	0.13614	\$ 729	43
AC	8	556	\$78,396	1970	0.13614	\$ 10,673	43
AC	8	561	\$79,101	1970	0.13614	\$ 10,769	43
AC	8	951	\$134,091	1970	0.13614	\$ 18,256	43
AC	8	43	\$6,063	1970	0.13614	\$ 825	43
AC	8	864	\$121,824	1970	0.13614	\$ 16,585	43
AC	8	41	\$5,781	1970	0.13614	\$ 787	43
AC	8	604	\$85,164	1970	0.13614	\$ 11,594	43
AC	8	233	\$32,853	1970	0.13614	\$ 4,473	43
AC	8	841	\$118,581	1970	0.13614	\$ 16,144	43
AC	8	551	\$77,691	1970	0.13614	\$ 10,577	43
AC	8	697	\$98,277	1970	0.13614	\$ 13,380	43
AC	8	780	\$109,980	1970	0.13614	\$ 14,973	43
AC	8	688	\$97,008	1970	0.13614	\$ 13,207	43
AC	12	330	\$56,100	1970	0.13614	\$ 7,638	43
AC	12	1610	\$273,700	1970	0.13614	\$ 37,262	43
AC	12	583	\$99,110	1970	0.13614	\$ 13,493	43
AC	12	705	\$119,850	1970	0.13614	\$ 16,317	43

**PWFD 2-1  
ATTACHMENT C**

<b>Material</b>	<b>Dia (in)</b>	<b>Lth (ft)</b>	<b>Estimated Replacement Cost</b>	<b>Yr in Service</b>	<b>Handy-Whitman Original Cost Factor</b>	<b>Estimated Original Cost</b>	<b>Age</b>
AC	12	1179	\$200,430	1970	0.13614	\$ 27,287	43
AC	12	28	\$4,760	1970	0.13614	\$ 648	43
AC	12	695	\$118,150	1970	0.13614	\$ 16,085	43
AC	12	783	\$133,110	1970	0.13614	\$ 18,122	43
AC	12	2821	\$479,570	1970	0.13614	\$ 65,290	43
AC	12	2462	\$418,540	1970	0.13614	\$ 56,981	43
AC	16	620	\$119,040	1970	0.13614	\$ 16,206	43
AC	16	880	\$168,960	1970	0.13614	\$ 23,003	43
AC	16	282	\$54,144	1970	0.13614	\$ 7,371	43
AC	16	566	\$108,672	1970	0.13614	\$ 14,795	43
AC	16	1469	\$282,048	1970	0.13614	\$ 38,399	43
AC	16	2405	\$461,760	1970	0.13614	\$ 62,865	43
AC	16	151	\$28,992	1970	0.13614	\$ 3,947	43
AC	16	6	\$1,152	1970	0.13614	\$ 157	43
AC	6	3	\$423	1971	0.15235	\$ 64	42
AC	6	3	\$423	1971	0.15235	\$ 64	42
AC	6	393	\$55,413	1971	0.15235	\$ 8,442	42
AC	8	20	\$2,820	1971	0.15235	\$ 430	42
AC	8	478	\$67,398	1971	0.15235	\$ 10,268	42
AC	8	35	\$4,935	1971	0.15235	\$ 752	42
AC	8	205	\$28,905	1971	0.15235	\$ 4,404	42
AC	8	680	\$95,880	1971	0.15235	\$ 14,607	42
AC	8	560	\$78,960	1971	0.15235	\$ 12,030	42
AC	8	500	\$70,500	1971	0.15235	\$ 10,741	42
AC	8	279	\$39,339	1971	0.15235	\$ 5,993	42
AC	8	362	\$51,042	1971	0.15235	\$ 7,776	42
AC	8	328	\$46,248	1971	0.15235	\$ 7,046	42
AC	8	9	\$1,269	1971	0.15235	\$ 193	42
AC	8	2556	\$360,396	1971	0.15235	\$ 54,906	42
AC	8	108	\$15,228	1971	0.15235	\$ 2,320	42
AC	8	45	\$6,345	1971	0.15235	\$ 967	42
AC	8	43	\$6,063	1971	0.15235	\$ 924	42
AC	8	93	\$13,113	1971	0.15235	\$ 1,998	42
AC	8	267	\$37,647	1971	0.15235	\$ 5,736	42
AC	8	846	\$119,286	1971	0.15235	\$ 18,173	42
AC	12	5000	\$850,000	1971	0.15235	\$ 129,498	42
AC	12	1085	\$184,450	1971	0.15235	\$ 28,101	42
AC	12	586	\$99,620	1971	0.15235	\$ 15,177	42
AC	12	265	\$45,050	1971	0.15235	\$ 6,863	42
AC	12	2284	\$388,280	1971	0.15235	\$ 59,154	42
AC	12	765	\$130,050	1971	0.15235	\$ 19,813	42
AC	12	1628	\$276,760	1971	0.15235	\$ 42,164	42
Ductile Iron	16	2648	\$508,416	1971	0.15235	\$ 77,457	42
Ductile Iron	16	5235	\$1,005,120	1971	0.15235	\$ 153,130	42
Iron Pipe	2	109	\$15,369	1972	0.15883	\$ 2,441	41
AC	6	30	\$4,230	1972	0.15883	\$ 672	41
AC	8	262	\$36,942	1972	0.15883	\$ 5,868	41
AC	8	682	\$96,162	1972	0.15883	\$ 15,274	41
AC	8	1038	\$146,358	1972	0.15883	\$ 23,246	41
AC	8	23	\$3,243	1973	0.16207	\$ 526	40
AC	8	940	\$132,540	1973	0.16207	\$ 21,481	40
AC	8	568	\$80,088	1973	0.16207	\$ 12,980	40
AC	8	29	\$4,089	1973	0.16207	\$ 663	40
AC	8	209	\$29,469	1973	0.16207	\$ 4,776	40
AC	8	746	\$105,186	1973	0.16207	\$ 17,048	40
AC	8	200	\$28,200	1973	0.16207	\$ 4,571	40
AC	8	32	\$4,512	1973	0.16207	\$ 731	40
AC	12	213	\$36,210	1973	0.16207	\$ 5,869	40
AC	12	2316	\$393,720	1973	0.16207	\$ 63,812	40
AC	12	550	\$93,500	1973	0.16207	\$ 15,154	40
AC	12	610	\$103,700	1973	0.16207	\$ 16,807	40
AC	12	337	\$57,290	1973	0.16207	\$ 9,285	40
AC	12	405	\$68,850	1973	0.16207	\$ 11,159	40
Ductile Iron	12	53	\$9,010	1973	0.16207	\$ 1,460	40
AC	8	463	\$65,283	1974	0.17828	\$ 11,639	39

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ATTACHMENT C

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
AC	8	273	\$38,493	1974	0.17828	\$ 6,863	39
Ductile Iron	8	25	\$3,525	1974	0.17828	\$ 628	39
AC	12	929	\$157,930	1974	0.17828	\$ 28,156	39
AC	12	1552	\$263,840	1974	0.17828	\$ 47,038	39
AC	8	140	\$19,740	1975	0.23663	\$ 4,671	38
AC	8	180	\$25,380	1975	0.23663	\$ 6,006	38
AC	12	1048	\$178,160	1975	0.23663	\$ 42,158	38
AC	12	1437	\$244,290	1975	0.23663	\$ 57,806	38
AC	12	302	\$51,340	1975	0.23663	\$ 12,149	38
AC	12	3177	\$540,090	1975	0.23663	\$ 127,801	38
Cast Iron	6	21	\$2,961	1976	0.24959	\$ 739	37
	6	28	\$3,948	1976	0.24959	\$ 985	37
AC	8	81	\$11,421	1976	0.24959	\$ 2,851	37
AC	8	549	\$77,409	1976	0.24959	\$ 19,321	37
AC	8	1013	\$142,833	1976	0.24959	\$ 35,650	37
AC	8	539	\$75,999	1976	0.24959	\$ 18,969	37
Iron Pipe	2	26	\$3,666	1977	0.26256	\$ 963	36
Cast Iron	6	6	\$846	1977	0.26256	\$ 222	36
AC	8	267	\$37,647	1977	0.26256	\$ 9,885	36
AC	8	188	\$26,508	1977	0.26256	\$ 6,960	36
AC	8	138	\$19,458	1977	0.26256	\$ 5,109	36
AC	8	263	\$37,083	1977	0.26256	\$ 9,737	36
AC	8	174	\$24,534	1977	0.26256	\$ 6,442	36
AC	8	636	\$89,676	1977	0.26256	\$ 23,545	36
AC	12	290	\$49,300	1977	0.26256	\$ 12,944	36
Ductile Iron	6	292	\$41,172	1978	0.28039	\$ 11,544	35
Ductile Iron	6	40	\$5,640	1978	0.28039	\$ 1,581	35
Ductile Iron	6	193	\$27,213	1978	0.28039	\$ 7,630	35
Ductile Iron	6	252	\$35,532	1978	0.28039	\$ 9,963	35
AC	8	184	\$25,944	1978	0.28039	\$ 7,274	35
AC	8	28	\$3,948	1978	0.28039	\$ 1,107	35
AC	8	101	\$14,241	1978	0.28039	\$ 3,993	35
AC	8	1119	\$157,779	1978	0.28039	\$ 44,239	35
AC	8	200	\$28,200	1978	0.28039	\$ 7,907	35
AC	8	750	\$105,750	1978	0.28039	\$ 29,651	35
AC	8	232	\$32,712	1978	0.28039	\$ 9,172	35
AC	8	206	\$29,046	1978	0.28039	\$ 8,144	35
AC	8	200	\$28,200	1978	0.28039	\$ 7,907	35
AC	8	265	\$37,365	1978	0.28039	\$ 10,477	35
Ductile Iron	8	350	\$49,350	1978	0.28039	\$ 13,837	35
Ductile Iron	8	417	\$58,797	1978	0.28039	\$ 16,486	35
Ductile Iron	8	386	\$54,426	1978	0.28039	\$ 15,260	35
Ductile Iron	8	542	\$76,422	1978	0.28039	\$ 21,428	35
Ductile Iron	8	254	\$35,814	1978	0.28039	\$ 10,042	35
Ductile Iron	8	950	\$133,950	1978	0.28039	\$ 37,558	35
Ductile Iron	8	587	\$82,767	1978	0.28039	\$ 23,207	35
Ductile Iron	8	951	\$134,091	1978	0.28039	\$ 37,598	35
Ductile Iron	8	477	\$67,257	1978	0.28039	\$ 18,858	35
Ductile Iron	8	156	\$21,996	1978	0.28039	\$ 6,167	35
Ductile Iron	8	306	\$43,146	1978	0.28039	\$ 12,098	35
Ductile Iron	8	500	\$70,500	1978	0.28039	\$ 19,767	35
Ductile Iron	8	1209	\$170,469	1978	0.28039	\$ 47,798	35
Ductile Iron	8	795	\$112,095	1978	0.28039	\$ 31,430	35
Ductile Iron	8	380	\$53,580	1978	0.28039	\$ 15,023	35
Ductile Iron	8	287	\$40,467	1978	0.28039	\$ 11,347	35
Ductile Iron	8	491	\$69,231	1978	0.28039	\$ 19,412	35
Ductile Iron	8	1178	\$166,098	1978	0.28039	\$ 46,572	35
Ductile Iron	8	1018	\$143,538	1978	0.28039	\$ 40,246	35
Ductile Iron	8	437	\$61,617	1978	0.28039	\$ 17,277	35
Ductile Iron	8	749	\$105,609	1978	0.28039	\$ 29,612	35
Ductile Iron	12	1008	\$171,360	1978	0.28039	\$ 48,047	35
AC	6	73	\$10,293	1979	0.29984	\$ 3,086	34
AC	8	500	\$70,500	1979	0.29984	\$ 21,139	34
AC	8	609	\$85,869	1979	0.29984	\$ 25,747	34
AC	8	508	\$71,628	1979	0.29984	\$ 21,477	34

**PWFD 2-1  
ATTACHMENT C**

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
AC	8	220	\$31,020	1979	0.29984	\$ 9,301	34
AC	8	290	\$40,890	1979	0.29984	\$ 12,260	34
AC	8	870	\$122,670	1979	0.29984	\$ 36,781	34
AC	8	369	\$52,029	1979	0.29984	\$ 15,600	34
Cast Iron	8	20	\$2,820	1979	0.29984	\$ 846	34
AC	12	3129	\$531,930	1979	0.29984	\$ 159,493	34
Ductile Iron	12	25	\$4,250	1979	0.29984	\$ 1,274	34
Ductile Iron	12	1290	\$219,300	1979	0.29984	\$ 65,754	34
Ductile Iron	16	1560	\$299,520	1979	0.29984	\$ 89,807	34
AC	6	410	\$57,810	1980	0.32739	\$ 18,926	33
AC	8	13	\$1,833	1980	0.32739	\$ 600	33
AC	8	13	\$1,833	1980	0.32739	\$ 600	33
AC	8	292	\$41,172	1980	0.32739	\$ 13,479	33
AC	8	852	\$120,132	1980	0.32739	\$ 39,330	33
AC	8	2038	\$287,358	1980	0.32739	\$ 94,078	33
Cast iron	8	918	\$129,438	1980	0.32739	\$ 42,377	33
AC	10	2405	\$355,940	1980	0.32739	\$ 116,531	33
AC	12	925	\$157,250	1980	0.32739	\$ 51,482	33
PVC	3	294.3	\$41,496	1981	0.35494	\$ 14,729	32
AC	6	450	\$63,450	1981	0.35494	\$ 22,521	32
AC	6	320	\$45,120	1981	0.35494	\$ 16,015	32
Ductile Iron	6	20	\$2,820	1981	0.35494	\$ 1,001	32
AC	8	606	\$85,446	1981	0.35494	\$ 30,328	32
AC	8	305	\$43,005	1981	0.35494	\$ 15,264	32
AC	8	450	\$63,450	1981	0.35494	\$ 22,521	32
AC	8	234	\$32,994	1981	0.35494	\$ 11,711	32
Ductile Iron	8	440	\$62,040	1981	0.35494	\$ 22,021	32
PVC	8	374	\$52,734	1981	0.35494	\$ 18,718	32
PVC	8	480	\$67,680	1981	0.35494	\$ 24,023	32
AC	6	328	\$46,248	1982	0.37439	\$ 17,315	31
AC	8	130	\$18,330	1982	0.37439	\$ 6,863	31
AC	8	1603.68	\$226,119	1982	0.37439	\$ 84,657	31
AC	8	2508	\$353,628	1982	0.37439	\$ 132,396	31
Ductile Iron	8	260	\$36,660	1982	0.37439	\$ 13,725	31
PVC	8	215.75	\$30,421	1982	0.37439	\$ 11,389	31
PVC	8	121	\$17,061	1982	0.37439	\$ 6,388	31
AC	10	692.24	\$102,452	1982	0.37439	\$ 38,357	31
AC	10	500	\$74,000	1982	0.37439	\$ 27,705	31
PVC	10	750	\$111,024	1982	0.37439	\$ 41,566	31
AC	12	222.5	\$37,825	1982	0.37439	\$ 14,161	31
AC	12	705.62	\$119,955	1982	0.37439	\$ 44,910	31
AC	12	412.33	\$70,096	1982	0.37439	\$ 26,243	31
AC	12	553.16	\$94,037	1982	0.37439	\$ 35,207	31
Ductile Iron	12	1934	\$328,780	1983	0.38736	\$ 127,356	30
Ductile Iron	6	42.4	\$5,978	1987	0.42626	\$ 2,548	26
Ductile Iron	8	2211	\$311,751	1987	0.42626	\$ 132,886	26
Ductile Iron	12	1362	\$231,540	1987	0.42626	\$ 98,695	26
Ductile Iron	12	1001	\$170,170	1987	0.42626	\$ 72,536	26
PVC	12	539	\$91,630	1988	0.45381	\$ 41,582	25
Ductile Iron	6	13.5	\$1,904	1989	0.47974	\$ 913	24
Ductile Iron	6	55.33	\$7,802	1990	0.48784	\$ 3,806	23
Ductile Iron	8	230	\$32,430	1990	0.48784	\$ 15,821	23
Ductile Iron	8	175	\$24,675	1990	0.48784	\$ 12,038	23
Ductile Iron	8	570	\$80,370	1993	0.52188	\$ 41,944	20
Ductile Iron	8	1750	\$246,750	1993	0.52188	\$ 128,774	20
Ductile Iron	8	186	\$26,226	1993	0.52188	\$ 13,687	20
Ductile Iron	12	651	\$110,670	1993	0.52188	\$ 57,756	20
Copper	1.5	325	\$45,825	1995	0.53809	\$ 24,658	18
Cast Iron	6	32	\$4,512	1995	0.53809	\$ 2,428	18
Ductile Iron	6	162	\$22,842	1995	0.53809	\$ 12,291	18
Copper	2	29.01	\$4,090	1996	0.54943	\$ 2,247	17
Wrought Iron	1	510	\$71,910	1997	0.56240	\$ 40,442	16
Wrought Iron	2	18	\$2,538	1997	0.56240	\$ 1,427	16
Ductile Iron	6	544	\$76,704	1997	0.56240	\$ 43,138	16
Ductile Iron	8	1224	\$172,584	1997	0.56240	\$ 97,061	16

PWFD 2-1  
ATTACHMENT C

Material	Dia (in)	Lth (ft)	Estimated	Yr in Service	Handy-Whitman	Estimated	Age
			Replacement		Original Cost Factor	Original Cost	
			Cost				
Ductile Iron	8	18	\$2,538	1997	0.56240	\$ 1,427	16
Ductile Iron	12	334	\$56,780	1997	0.56240	\$ 31,933	16
Ductile Iron	8	330	\$46,530	1998	0.57212	\$ 26,621	15
Ductile Iron	4	286	\$40,326	1999	0.58023	\$ 23,398	14
Ductile Iron	4	400.95	\$56,534	1999	0.58023	\$ 32,803	14
Ductile Iron	8	480	\$67,680	1999	0.58023	\$ 39,270	14
Ductile Iron	8	2011	\$283,551	1999	0.58023	\$ 164,524	14
Ductile Iron	8	585	\$82,485	1999	0.58023	\$ 47,860	14
Ductile Iron	8	135	\$19,035	1999	0.58023	\$ 11,045	14
Ductile Iron	8	217	\$30,597	1999	0.58023	\$ 17,753	14
Ductile Iron	8	653	\$92,073	2000	0.61588	\$ 56,706	13
Ductile Iron	8	78	\$10,998	2000	0.61588	\$ 6,773	13
Ductile Iron	8	693	\$97,713	2000	0.61588	\$ 60,180	13
Copper	2	15	\$2,115	2001	0.62075	\$ 1,313	12
Ductile Iron	6	36	\$5,076	2001	0.62075	\$ 3,151	12
Ductile Iron	8	554	\$78,114	2001	0.62075	\$ 48,489	12
Ductile Iron	8	500	\$70,500	2001	0.62075	\$ 43,763	12
Ductile Iron	8	580	\$81,780	2001	0.62075	\$ 50,765	12
Ductile Iron	8	431	\$60,771	2001	0.62075	\$ 37,723	12
Ductile Iron	8	1009	\$142,269	2001	0.62075	\$ 88,313	12
Ductile Iron	8	823	\$116,043	2001	0.62075	\$ 72,033	12
Ductile Iron	8	204	\$28,764	2001	0.62075	\$ 17,855	12
Ductile Iron	8	30	\$4,230	2001	0.62075	\$ 2,626	12
Ductile Iron	8	220	\$31,020	2002	0.64019	\$ 19,859	11
Ductile Iron	8	500	\$70,500	2002	0.64019	\$ 45,134	11
Ductile Iron	8	2315	\$326,415	2002	0.64019	\$ 208,969	11
Ductile Iron	8	250	\$35,250	2002	0.64019	\$ 22,567	11
Ductile Iron	8	310	\$43,710	2002	0.64019	\$ 27,983	11
Ductile Iron	8	77	\$10,857	2002	0.64019	\$ 6,951	11
Ductile Iron	8	510	\$71,910	2002	0.64019	\$ 46,036	11
Ductile Iron	8	540	\$76,140	2002	0.64019	\$ 48,744	11
AC	12	4600	\$782,000	2002	0.64019	\$ 500,632	11
Ductile Iron	12		\$0	2002	0.64019	\$ -	11
Ductile Iron	8	Jul-01	\$81,498	2003	0.65964	\$ 53,760	10
Ductile Iron	8	310	\$43,710	2003	0.65964	\$ 28,833	10
Ductile Iron	8	562	\$79,242	2003	0.65964	\$ 52,271	10
Ductile Iron	12	4970	\$844,900	2003	0.65964	\$ 557,333	10
Ductile Iron	8	80	\$11,280	2004	0.53647	\$ 6,051	9
Ductile Iron	12	30	\$5,100	2004	0.53647	\$ 2,736	9
Ductile Iron	8	482	\$67,962	2006	0.78606	\$ 53,422	7
Ductile Iron	8	730	\$102,930	2006	0.78606	\$ 80,909	7
Ductile Iron	8	3804	\$536,364	2006	0.78606	\$ 421,615	7
Ductile Iron	8	2035	\$286,935	2006	0.78606	\$ 225,549	7
Ductile Iron	8	376	\$53,016	2006	0.78606	\$ 41,674	7
Ductile Iron	8	1677	\$236,457	2006	0.78606	\$ 185,870	7
<b>Total Estimated Original Cost of Pre 2007 Pipe</b>						<b>15,780,474</b>	

Includes (13): MD, DC, WV, DE, NJ, PA, NY, CT, RI, MS, VT, NH, ME

Handy-Whitman Index - North Atlantic Region								
Original Date		Mains-Average All Types	Electric Pumping Equipment	Small Treatment Plant Equipment	Collecting and Impounding Res.	Elevated Steel Tanks	Average Index (Used for Land Only)	Structures and Improvements
1912	0.014587	9		10	7	4		8
1913	0.016207	10		10	7	4		8
1914	0.012966	8	15	10	7	4		8
1915	0.014587	9	15	10	7	11		9
1916	0.017828	11	17	13	9	14		11
1917	0.025932	16	20	17	13	16		16
1918	0.030794	19	22	19	15	18		17
1919	0.032415	20	24	19	15	19		18
1920	0.035656	22	24	22	17	16		20
1921	0.035656	22	23	20	16	13		18
1922	0.032415	20	21	20	16	11		18
1923	0.034036	21	22	20	16	12		18
1924	0.035656	22	23	21	16	11		19
1925	0.034036	21	23	20	16	10		18
1926	0.034036	21	23	20	17	11		19
1927	0.034036	21	23	20	17	10		18
1928	0.032415	20	23	20	17	10		18
1929	0.032415	20	22	20	17	10		18
1930	0.032415	20	22	20	17	10		17
1931	0.032415	20	22	19	16	9		16
1932	0.029173	18	22	17	14	8		15
1933	0.029173	18	23	17	14	8		15
1934	0.030794	19	24	19	15	10		16
1935	0.030794	19	24	19	15	10		16
1936	0.032415	20	25	19	15	11		16
1937	0.034036	21	26	21	17	12		18
1938	0.035656	22	26	21	17	13		18
1939	0.035656	22	26	21	17	13		18
1940	0.037277	23	26	21	17	12		18
1941	0.037277	23	27	22	18	15		19
1942	0.038898	24	27	24	20	15		20
1943	0.040519	25	27	24	20	14		21
1944	0.040519	25	27	24	20	15		21
1945	0.042139	26	27	25	21	14		22
1946	0.047002	29	31	28	23	17		24
1947	0.056726	35	39	33	27	23		28
1948	0.066451	41	43	37	31	26		32
1949	0.068071	42	45	39	32	25		35
1950	0.069692	43	49	41	33	26		36
1951	0.072934	45	55	43	35	28		38
1952	0.076175	47	55	43	36	29		38
1953	0.077796	48	55	44	38	31		39
1954	0.082658	51	55	46	39	31		41
1955	0.0859	53	56	47	41	33		43
1956	0.092382	57	63	50	44	35		46
1957	0.097245	60	69	53	47	38		49
1958	0.102107	63	73	54	49	38		50
1959	0.105348	65	74	56	51	38		52

1960	0.110211	68	74	58	52	38		53
1961	0.111831	69	71	58	53	37		53
1962	0.115073	71	71	60	55	36		54
1963	0.116694	72	71	60	56	37		55
1964	0.118314	73	73	62	57	38		56
1965	0.119935	74	74	63	59	38		57
1966	0.121556	75	78	66	61	41		59
1967	0.123177	76	81	68	64	44		61
1968	0.124797	77	81	70	67	48		64
1969	0.12966	80	84	74	72	55		69
1970	0.136143	84	89	80	78	71		75
1971	0.15235	94	93	90	83	80	88	84
1972	0.158833	98	96	96	92	86	94	92
1973	0.162075	100	100	100	100	100	100	100
1974	0.178282	110	122	120	116	152	124	117
1975	0.236629	146	155	139	129	183	150	127
1976	0.249595	154	174	150	132	182	158	130
1977	0.262561	162	184	160	141	183	166	137
1978	0.280389	173	192	172	148	195	176	148
1979	0.299838	185	205	186	164	206	189	163
1980	0.327391	202	222	204	179	228	207	181
1981	0.354943	219	245	223	189	250	225	191
1982	0.374392	231	260	243	197	244	235	198
1983	0.387358	239	271	259	206	197	234	206
1984	0.395462	244	277	268	217	200	241	218
1985	0.411669	254	282	279	227	198	248	225
1986	0.41329	255	284	286	234	207	253	233
1987	0.426256	263	299	293	238	219	262	239
1988	0.453809	280	303	304	248	261	279	242
1989	0.479741	296	336	319	255	267	295	257
1990	0.487844	301	349	330	258	281	304	268
1991	0.502431	310	350	335	262	286	309	271
1992	0.504052	311	370	344	270	284	316	273
1993	0.52188	322	378	355	282	249	317	288
1994	0.529984	327	426	360	295	242	330	300
1995	0.538088	332	437	365	302	250	337	314
1996	0.549433	339	450	375	309	268	348	321
1997	0.562399	347	473	388	317	273	360	331
1998	0.572123	353	485	400	318	279	367	333
1999	0.580227	358	499	408	314	285	373	341
2000	0.615883	380	523	416	320	292	386	347
2001	0.620746	383	531	431	328	305	395.6	370
2002	0.640194	395	516	444	338	429	424.4	382
2003	0.659643	407	534	456	344	429	434	393
2004	0.536467	331	547	470	364	438	430	405
2005	0.748784	462	604	498	388	524	495.2	442
2006	0.786062	485	620	520	400	524	509.8	456
2007	0.849271	524	639	539	413	657	554.4	481
2008	0.89141	550	640	602	457	680	585.8	516
2009	1.011345	624	679	666	470	866	661	551
2010	1	617	707	686	475	866	670.2	552

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**WATER FUND FIXED ASSETS**

TD	TRANSMISSION/DISTRIBUTION	20,846,330.69	Pumping Highlighted in green
L	LAWTON VALLEY	7,116,281.83	
N	STATION 1	22,516,440.91	
T	TREATMENT BOTH	9,161,055.40	
ST	STORAGE	1,060,548.49	
SS	SOURCE OF SUPPLY	19,453,648.97	
M	METERS	629,135.04	
TDP	T&D PUMPING	907,332.37	
B	BILLING	2,902,066.32	
F	FIRE	351,481.16	
LAB	LABORATORY	80,000.00	
LAND	LAND AND ROW	3,594,491.24	
		88,618,812.42	

<u>ASSET</u>	<u>DESCRIPTION</u>	<u>INSRV-DATE</u>	<u>Total to 5/31/12</u>		<u>7/1/11-5/31/12</u>	(No depr Calculated on 2012 additions yet)
<u>Alloc</u>	<u>ASSET DESCRIPTION</u>	<u>INSRV-DATE</u>	<u>ORIG-COST</u>	<u>A/D to 6/30/11</u>	<u>YTD-DEPR</u>	<u>A/D to 5/31/12</u>
F	2861 Hydrants	6/30/1981	2,818.27	2,818.27	-	2,818.27
F	2862 Hydrants	6/30/1982	48,742.23	47,252.88	1,303.18	48,556.06
F	2863 Hydrants	6/30/1983	513.18	480.40	13.72	494.12
F	2864 Hydrants	6/30/1984	390.89	352.90	10.46	363.36
F	2865 Hydrants	6/30/1985	5,615.80	4,882.62	150.15	5,032.77
F	2866 Hydrants	6/30/1986	11,149.30	9,322.05	298.09	9,620.14
F	2867 Hydrants	6/30/1987	2,130.64	1,710.41	56.98	1,767.39
F	2868 Hydrants	6/30/1988	345.06	265.48	9.24	274.72
F	2869 Hydrants	6/30/1989	13,148.17	9,678.49	351.53	10,030.02
F	2870 Hydrants	1/17/1996	11,796.00	11,796.00	-	11,796.00
F	2871 Hydrants	12/12/1996	10,190.00	10,190.00	-	10,190.00
F	2872 Hydrants	5/21/1998	4,494.00	4,494.00	-	4,494.00
F	2873 Hydrants	3/16/1998	1,577.00	1,577.00	-	1,577.00
F	2874 Hydrants	3/26/1998	1,276.00	1,276.00	-	1,276.00
F	2875 Hydrants	6/4/1999	28,444.02	28,444.02	-	28,444.02
F	2876 Hydrants	3/15/2000	8,372.00	8,372.00	-	8,372.00
F	2877 Hydrants	6/30/2001	15,660.00	15,660.00	-	15,660.00
F	2878 Hydrants	7/1/2002	23,737.00	21,363.30	1,903.92	23,267.22
F	2879 Hydrants	4/16/2004	40,848.00	29,614.80	3,276.35	32,891.15
F	2880 Hydrants	4/14/2005	31,431.00	19,644.38	2,521.04	22,165.42
F	2881 Hydrants	4/5/2006	38,480.00	20,202.00	3,086.44	23,288.44
F	3677 Hydrant Replacements	10/1/2009	6,924.60	1,211.81	555.42	1,767.23
F	3678 Hydrant Replacements	10/20/2009	7,253.00	1,269.28	581.74	1,851.02
F	3807 Hydrant Replacements	1/1/2010	1,872.00	280.80	150.15	430.95
F	4400 Hydrant Replacements	2/28/2011	16,773.00	698.88	1,345.34	2,044.22
F	Hydrant Replacements	FY 2012	17,500.00	-	-	-
L	2722 Filter Building/structure	6/30/1942	340,775.40	340,775.40	-	340,775.40
L	2723 Structure	6/30/1965	1,156,376.62	1,156,376.62	-	1,156,376.62
L	2725 Structure	6/30/1988	2,052.00	1,184.18	41.15	1,225.33
L	2729 Baffle #3 replacement	12/1/1995	65,900.00	25,673.54	1,321.42	26,994.96
L	2730 Elevator replacement	5/7/2004	118,800.00	21,285.00	2,382.19	23,667.19
L	2731 WTP Sediment Basin Repairs	6/30/2005	227,476.00	34,595.31	4,561.38	39,156.69
L	2732 Chlorine System Improvements	3/31/2005	92,250.00	14,604.25	1,849.83	16,456.08
L	2744 LV Chlorine Building (CAF)	1/1/1943	13,399.68	13,399.68	-	13,399.68
L	2745 LV Pump Building (CAG)	1/1/1973	22,818.56	17,570.25	366.04	17,936.29
L	2746 LV Garage	1/1/1982	11,805.27	6,965.12	189.38	7,154.50
L	2750 Newport Sta.#1 improve	5/31/2001	9,686.31	4,923.88	388.47	5,312.35
L	2752 Engineering Study-SCADA	2/6/2004	32,639.11	12,103.68	1,308.97	13,412.65
L	2765 Liquid chemical feed	7/1/2006	144,559.00	36,139.75	5,797.43	41,937.18
L	2939 SCADA-Lawton Valley Imprv	10/17/2007	12,762.50	2,392.97	511.84	2,904.81
L	2940 SCADA-Lawton Valley Imprv	11/5/2007	3,877.50	710.88	155.51	866.39
L	3319 SCADA-Lawton Valley Imprv	6/30/2008	2,690.00	414.71	107.90	522.61
L	3326 CDM Water Age	6/30/2008	9,617.00	1,482.62	385.67	1,868.29
L	3327 CDM Water Age	6/30/2008	12,968.10	1,999.25	520.07	2,519.32
L	3328 Liquid Chemical Feed	6/30/2008	8,439.40	1,301.07	338.46	1,639.53
L	3329 LV Mixing System Design	6/30/2008	2,047.37	315.64	82.10	397.74
L	3330 LV Mixing System Design	6/30/2008	3,162.06	487.48	126.82	614.30
L	3363 LV Backwash Diversion	2/27/2009	67,925.00	8,207.60	2,724.07	10,931.67
L	3364 LV Backwash Diversion	2/27/2009	59,850.00	7,231.88	2,400.24	9,632.12
L	3365 Lawton Valley Mixing System	2/27/2009	705.04	85.19	28.30	113.49
L	3366 Lawton Valley Mixing System	2/27/2009	854.05	103.19	34.27	137.46
L	3367 Lawton Valley Mixing System	2/27/2009	501.35	60.59	20.12	80.71
L	3376 LV Backwash Diversion	2/27/2009	55,062.00	6,653.33	2,208.22	8,861.55
L	4691 SCADA-LV Improvements	6/30/2011	486,091.11	2,025.38	19,494.28	21,519.66
L	3636 LV New Treatmnt Plant	6/30/2009	425,296.14	-	-	-
L	3702 LV New Treatmnt Plant	12/1/2009	142,810.79	-	-	-
L	3703 LV New Treatmnt Plant	12/1/2009	20,316.52	-	-	-
L	3704 LV New Treatmnt Plant	12/1/2009	322,894.99	-	-	-
L	3708 LV New Treatment Plant	12/16/2009	13,312.49	-	-	-
L	2897 LV Treatment Plant (DAX)	1/1/1943	155,575.00	155,575.00	-	155,575.00
L	2898 LV Addition - 1966 (DAY)	1/1/1966	196,360.00	178,687.60	3,149.96	181,837.56
L	2899 Clearwell LV (DAZ)	1/1/1943	6,891.26	6,891.26	-	6,891.26
L	2900 LV In-Ground Reservoir (DBA)	1/1/1966	289,649.25	263,580.82	4,646.47	268,227.29

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L	2901 LV Generator Housing (DBB)	1/1/1991	6,286.73	2,577.55	100.87	2,678.42
L	2904 LV UndergrPlant Piping (DBG)	1/1/1943	18,882.06	18,882.06	-	18,882.06
L	2905 LV UndergrPlant Piping (DBH)	1/1/1966	8,612.63	7,837.48	138.17	7,975.65
L	2906 LV UndergrPlant Piping (DBI)	1/1/1973	35,831.70	27,590.40	574.81	28,165.21
L	2913 Generator Housing	1/1/1991	6,371.68	6,371.68	102.22	2,714.57
L	4695 Lawton Valley Residuals	6/30/2011	111,530.00	185.88	1,789.12	1,975.00
L	4696 LV Constr Raw Residuals	6/30/2011	79,612.80	132.69	1,277.14	1,409.83
L	4697 LV Sedimentation Basin	6/30/2011	335,813.80	559.69	5,387.02	5,946.71
L	2770 PVC liners for alum tanks	11/1/2000	8,922.00	8,922.00	-	8,922.00
L	2778 Hydr lime volumetric feed	2/6/1998	12,271.00	12,271.00	-	12,271.00
L	2781 SCADA-L V Improvements	6/30/2007	707,526.64	288,906.71	56,749.54	345,656.25
L	4698 PH Chemical Feed	6/30/2011	586,123.68	976.87	9,402.39	10,379.26
L	4699 Pretreat Clar Trng	6/30/2011	660,300.24	1,100.50	10,592.31	11,692.81
LAB	2782 Lab Equipment - Contract 26	3/6/1991	80,000.00	80,000.00	-	80,000.00
LAND	2669 Various Land Purchases	6/9/1936	327,597.32	-	-	-
LAND	2670 4.50 Acres Bliss Mine Neast	5/2/1940	5,000.00	-	-	-
LAND	2671 Green End Avenue parcel	6/30/1941	947.18	-	-	-
LAND	2672 789' x 20' easement	3/31/1942	250.00	-	-	-
LAND	2673 6.80 acres w/ease to Union St	3/31/1942	4,500.00	-	-	-
LAND	2674 496' x 20' easement	3/31/1942	175.00	-	-	-
LAND	2675 Green End Avenue land	10/31/1944	1,890.00	-	-	-
LAND	2676 7.05 acres of Thurston Farm	6/21/1957	10,506.00	-	-	-
LAND	2677 Land & Rights of Way	6/11/1964	217,586.67	-	-	-
LAND	2678 Land & Rights of Way	6/7/1965	1,832.27	-	-	-
LAND	2679 20' easement	6/18/1965	999.86	-	-	-
LAND	2680 600' x 12' easement	10/13/1965	300.00	-	-	-
LAND	2681 Pipeline easement	4/5/1967	1,000.00	-	-	-
LAND	2682 Burchard Avenue	11/18/1967	1,500.00	-	-	-
LAND	2683 Reservoir Rd Sewer Line	9/7/1970	6,800.00	-	-	-
LAND	2684 Land & Rights of Way	6/30/1976	3,750.00	-	-	-
LAND	2685 Land & Rights of Way	11/22/1976	54,201.02	-	-	-
LAND	2686 Gray Craig Estate	1/26/1995	151,268.00	-	-	-
LAND	2687 Land & Rights of Way	12/22/1995	25,600.00	-	-	-
LAND	2688 Land & Rights of Way	6/7/1996	188,000.00	-	-	-
LAND	2689 Land & Rights of Way	12/17/1996	386,120.00	-	-	-
LAND	2690 Land & Rights of Way	12/11/1996	54,846.00	-	-	-
LAND	2691 Land & Rights of Way	12/17/1996	65,390.00	-	-	-
LAND	2692 Land & Rights of Way	7/17/1996	280,000.00	-	-	-
LAND	2693 Land & Rights of Way	12/11/1996	145,000.00	-	-	-
LAND	2694 Land & Rights of Way	11/15/1996	48,695.28	-	-	-
LAND	2695 Land & Rights of Way	4/4/1997	110,364.00	-	-	-
LAND	2696 Land & Rights of Way	4/4/1997	50,000.00	-	-	-
LAND	2697 Land & Rights of Way	2/12/1997	248,675.00	-	-	-
LAND	2698 Land & Rights of Way	6/26/1997	44,334.00	-	-	-
LAND	2699 Land & Rights of Way	4/4/1997	29,916.00	-	-	-
LAND	2700 Land & Rights of Way	3/31/1997	94,503.27	-	-	-
LAND	2701 Land & Rights of Way	6/26/2000	588,500.00	-	-	-
LAND	2702 Cons ease from VanderbiltFarm	6/26/2001	53,444.37	-	-	-
LAND	2703 Cons ease from VanderbiltFarm	12/22/2000	391,000.00	-	-	-
M	4693 FY08 Series 2008 A SRF Loan	6/30/2011	59,000.00	98.33	946.45	1,044.78
M	2855 Meters	6/30/2004	44,956.05	10,614.62	1,201.97	11,816.59
M	2856 Meters	10/22/2004	27,235.60	6,127.99	728.17	6,856.16
M	2857 Meters	6/20/2005	54,080.81	10,966.36	1,445.91	12,412.27
M	2858 Meters	10/18/2006	30,681.66	4,857.92	820.33	5,678.25
M	2934 Meter Replacements	10/19/2007	6,750.00	843.75	180.47	1,024.22
M	2935 Meter Replacements	12/21/2007	6,750.00	806.25	180.47	986.72
M	3312 Meter Replacements	6/30/2008	875.00	89.94	23.39	113.33
M	3313 Meter Replacements	6/30/2008	7,882.20	810.12	210.75	1,020.87
M	3314 Meter Replacements	6/30/2008	8,640.00	888.00	231.00	1,119.00
M	3315 Meter Replacements	6/30/2008	1,470.00	151.08	39.30	190.38
M	3316 Meter Replacements	6/30/2008	4,379.00	450.07	117.08	567.15
M	3317 Meter Replacements	6/30/2008	3,315.00	340.71	88.65	429.36
M	3318 Meter Replacements	6/30/2008	22,595.00	2,322.27	604.11	2,926.38
M	3374 Meter Replacements	2/27/2009	6,400.00	515.55	171.13	686.68
M	3379 Meter Replacements	2/27/2009	3,157.12	254.33	84.41	338.74
M	3380 Meter Replacements	2/27/2009	723.56	58.29	19.35	77.64
M	3542 Meter Replacements	6/25/2009	14,269.80	990.96	381.54	1,372.50
M	3543 Meter Replacements	6/25/2009	3,946.40	274.06	105.50	379.56
M	3544 Meter Replacements	6/25/2009	11,280.00	783.33	301.58	1,084.91
M	3631 Meter Replacements	6/29/2009	20,514.50	1,424.63	548.49	1,973.12
M	3676 Meter Replacements	10/1/2009	13,776.00	803.60	368.34	1,171.94
M	3953 Meter Replacements	6/29/2010	7,780.00	280.94	208.00	488.94
M	3954 Meter Replacements	6/29/2010	21,840.00	788.67	583.94	1,372.61
M	4019 Meter Replacements	6/8/2010	10,860.00	392.17	290.37	682.54
M	4396 Meter Replacements	2/28/2011	9,690.00	134.58	259.09	393.67
M	4397 Meter Replacements	2/28/2011	11,273.31	156.58	301.41	457.99
M	4438 Meter Replacements	5/1/2011	2,892.00	16.07	77.32	93.39
M	4439 Meter Replacements	5/1/2011	145.00	0.81	3.86	4.67
M	4440 Meter Replacements	5/1/2011	13,899.00	77.22	371.62	448.84
M	4518 Meter Replacements	6/1/2011	2,378.18	6.61	63.59	70.20
M	4519 Meter Replacements	6/7/2011	26,000.00	72.22	695.13	767.35

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B	4702 SRF Remote Meter Reading	6/30/2011	2,589,948.41	7,194.30	69,245.14	76,439.44
M	Meter Replacements	FY 2012	139,197.85	-	-	-
B	SRF Remote Meter Reading	FY 2012	298,997.91	-	-	-
B	laptop	FY 2012	13,120.00	-	-	-
M	2889 GCW Pick-up truck	6/30/2001	30,502.00	30,502.00	-	30,502.00
N	2719 Water treat plant (BAH-BAL)	1/1/1991	23,123.24	-	-	-
N	2724 Structure	6/30/1979	686,914.60	550,962.75	13,774.06	564,736.81
N	2726 Structure - Contract 26	3/6/1991	14,045,392.00	7,139,740.93	281,639.37	7,421,380.30
N	2727 Const supervision settlement	3/6/1991	154,159.00	78,364.16	3,091.21	81,455.37
N	2728 Carbon dioxide feed & control	11/5/1994	60,290.00	27,157.67	1,306.98	28,464.65
N	2742 Station 1 Improvements	4/29/2005	176,474.19	27,574.08	3,538.69	31,112.77
N	2749 Optimization study	5/31/2000	107,929.23	60,260.47	4,328.42	64,588.89
N	2751 Engineering Study-SCADA	6/30/2003	135,969.13	54,954.21	5,452.95	60,407.16
N	2754 Engineering Services-SCADA	6/18/2004	6,992.61	2,476.55	280.45	2,757.00
N	2755 Station 1 WTP & SCADA Improv	6/18/2004	257,830.95	91,315.15	10,340.11	101,655.26
N	2759 Engineering Services-SCADA	6/30/2005	85,909.18	26,130.72	3,445.32	29,576.04
N	2762 SCADA Project 2060032	6/30/2005	23,836.69	7,250.32	955.96	8,206.28
N	2894 S1 (DAU)Clearwell	1/1/1991	220,885.34	90,563.04	3,543.36	94,106.40
N	2895 S1 (DAV) Wash Water Well	1/1/1991	103,646.20	42,494.91	1,662.66	44,157.57
N	2896 S1 Ozone Pump (DAW)	1/1/1978	169,722.66	113,714.15	2,722.62	116,436.77
N	2774 Electric Pumping Equipment	3/6/1991	236,450.00	160,260.57	6,321.77	166,582.34
N	2775 Machinery & Equipment	6/22/1982	537,323.04	537,323.04	-	537,323.04
N	2776 Machinery & Equipment	6/30/1989	29,485.95	29,485.95	-	29,485.95
N	2777 Furnish and Equip - Cont 26	3/6/1991	1,942,631.00	1,942,631.00	-	1,942,631.00
N	2780 Machinery & Equipment	6/30/1999	10,926.00	10,926.00	-	10,926.00
N	2902 S1 Treatment Plant (DBC)	1/1/1991	3,370,200.54	1,381,782.21	54,063.63	1,435,845.84
N	2903 S1 Undergr Piping (DBF)	1/1/1991	130,349.36	53,443.30	2,091.03	55,534.33
SS	2721 Pier Wood 3126 Sq. Ft.	6/30/1980	14,042.97	-	-	-
SS	2736 Storm windows	3/2/1989	675.00	376.88	13.54	390.42
SS	2743 Lawton Valley Sluice Gate	3/30/2006	191,630.00	25,550.67	3,842.59	29,393.26
SS	2767 Dam and Moat Study	6/30/2007	40,088.00	8,184.63	1,607.69	9,792.32
SS	2768 Dam and Moat Study	7/20/2007	13,743.50	2,748.70	551.18	3,299.88
SS	2769 Dam and Moat Study	8/20/2007	43,407.50	8,500.64	1,740.82	10,241.46
SS	4690 Paradise Intake Structures	6/30/2011	12,995.00	54.15	521.17	575.32
SS	4692 Source Water Assess Plan	6/30/2011	44,322.65	184.68	1,777.55	1,962.23
SS	3637 E. Pond Dam Repairs	6/30/2009	61,320.95	-	-	-
SS	3679 Easton Pond Dam Repairs	10/1/2009	400.00	-	-	-
SS	3683 E. Pond Dam Repairs	11/1/2009	49,755.80	-	-	-
SS	3684 E. Pond Dam Repairs	11/1/2009	11,719.00	-	-	-
SS	3685 E. Pond Dam Repairs	11/1/2009	17,321.20	-	-	-
SS	3705 E. Pond Dam Repairs	11/1/2009	3,575.00	-	-	-
SS	3706 E. Pond Dam Repairs	11/1/2009	38,434.40	-	-	-
SS	3707 E. Pond Dam Repairs	12/2/2009	10,473.60	-	-	-
SS	3898 E. Pond Dam Repairs	4/28/2010	6,295.75	-	-	-
SS	3899 E. Pond Dam Repairs	4/28/2010	1,727.50	-	-	-
SS	3955 E. Pond Dam Repairs	6/30/2010	3,404.70	-	-	-
SS	3956 E. Pond Dam Repairs	6/30/2010	8,045.40	-	-	-
SS	3957 E. Pond Dam Repairs	6/30/2010	11,010.50	-	-	-
SS	3958 E. Pond Dam Repairs	6/30/2010	13,792.20	-	-	-
SS	4022 E. Pond Dam Repairs	6/30/2010	1,930.70	-	-	-
SS	4096 E. Pond Dam Repairs	6/30/2010	4,446.90	-	-	-
SS	4343 E. Pond Dam Repairs	2/25/2011	9,037.50	-	-	-
SS	4344 E. Pond Dam Repairs	2/25/2011	3,061.10	-	-	-
SS	4345 E. Pond Dam Repairs	2/25/2011	4,422.00	-	-	-
SS	4346 E. Pond Dam Repairs	2/25/2011	6,046.80	-	-	-
SS	4347 E. Pond Dam Repairs	2/25/2011	1,549.40	-	-	-
SS	4487 E. Pond Dam Repairs	5/1/2011	7,219.90	-	-	-
SS	4488 E. Pond Dam Repairs	5/1/2011	4,541.40	-	-	-
SS	4493 E. Pond Dam Repairs SRF	6/1/2011	5,826.75	-	-	-
SS	4494 E. Pond Dam Repairs SRF	6/7/2011	1,942.25	-	-	-
SS	4685 E. Pond Dam Repairs SRF	6/30/2011	931.00	-	-	-
SS	4688 E. Pond Dam Repairs SRF	6/30/2011	8,539.09	-	-	-
SS	E. Pond Dam Repairs SRF	FY 2012	2,349,160.46	-	-	-
SS	4704 St Mary's Raw Water	6/30/2011	2,300,147.51	3,833.58	36,898.21	40,731.79
SS	St Mary's aeration	FY 2012	21,355.91	-	-	-
SS	intake structures	FY 2012	13,402.60	-	-	-
SS	4694 Gardiner Pond Water Tank Imp	6/30/2011	103,052.25	171.75	1,653.14	1,824.89
SS	4700 SRF Issuance Cost	6/30/2011	28,396.63	47.33	455.55	502.88
SS	2704 Lawton Valley	6/9/1936	374,677.00	-	-	-
SS	2705 North & South Easton's	9/30/1940	28,615.66	-	-	-
SS	2706 North & South Easton's	9/30/1940	28,615.67	-	-	-
SS	2707 North & South Easton's	9/30/1940	(8,356.60)	-	-	-
SS	2708 North & South Easton's	9/30/1940	(8,680.78)	-	-	-
SS	2709 Gardiner	3/31/1958	87,543.72	-	-	-
SS	2710 Nonquit	3/31/1958	77,847.03	-	-	-
SS	2711 Easton's Pond	6/30/1995	37,048.02	-	-	-
SS	2712 Lawton Valley Res & Dam	6/30/1985	1,556,751.00	-	-	-
SS	2713 Permit	4/1/1993	600.00	-	-	-
SS	2714 Dam	6/30/1961	271,108.19	271,108.19	-	271,108.19
SS	2715 Reservoir Road Bridge	6/30/1961	4,929.36	4,929.36	-	4,929.36
SS	3360 Safe Yield Study	2/27/2009	75,498.12	9,122.70	3,027.81	12,150.51

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SS	3361 Safe Yield Study	2/27/2009	42,681.88	5,157.38	1,711.71	6,869.09
SS	3525 Safe Yield Study	6/12/2009	3,884.66	404.65	155.80	560.45
SS	3540 Safe Yield Study	6/25/2009	1,467.92	152.92	58.89	211.81
SS	Source Water Monitoring	FY 2012	96,549.81	-	-	-
SS	2882 1995 MCI off-road vehicle	6/2/1995	10,995.00	10,995.00	-	10,995.00
SS	2886 Deweze Mower 72"	6/30/2001	26,799.00	26,799.00	-	26,799.00
SS	2887 Big Tex Trailer	6/30/2001	3,555.00	3,555.00	-	3,555.00
SS	2888 Mid-size Cab Pick-up	6/30/2001	14,168.00	14,168.00	-	14,168.00
SS	2891 Dew Eze ATM72 Mower	6/30/2004	28,307.56	28,307.56	-	28,307.56
SS	3680 Riding Mowers	10/1/2009	15,321.00	6,702.94	3,072.20	9,775.14
SS	4401 Slope Mower	2/8/2011	53,374.00	3,706.53	7,135.08	10,841.61
SS	2716 5100 ft 24 Pipe Wat Dam Nonq	6/30/1961	93,878.00	93,878.00	-	93,878.00
SS	2717 Replaced 60 ft 16" 60 ft 24"	4/13/1992	16,850.39	6,487.44	270.31	6,757.75
SS	2718 24" x 10400 feet pipeline	2/21/1995	11,046,429.59	3,626,911.02	177,203.15	3,804,114.17
ST	2738 storage reservoir cleaning	6/4/1999	39,537.50	11,943.65	792.81	12,736.46
ST	3322 Lawton Valley Mixing System	6/30/2008	2,670.62	411.72	107.13	518.85
ST	3348 CDM Water Age	6/30/2008	12,968.10	1,999.25	520.07	2,519.32
ST	3528 Lawton Valley Mixing System	6/12/2009	3,468.82	361.33	139.11	500.44
ST	2911 Reservoir Rd Water Tank	1/1/1966	140,318.97	127,690.28	2,250.96	129,941.24
ST	2914 Water Tank	1/1/1970	100,109.25	83,090.68	1,605.93	84,696.61
TDP	2915 St. Mary Pump Station	1/1/1966	25,961.16	23,624.65	416.47	24,041.12
ST	2916 LV Plant Water Tank	1/1/1973	167,197.25	128,741.88	2,682.12	131,424.00
ST	4701 Water Tank Imp - Goulart Ln	6/30/2011	594,277.98	990.46	9,533.21	10,523.67
T	2747 Optimization study	1/1/1997	11,050.00	8,011.25	443.14	8,454.39
T	2753 Compliance Eval Water Trmt	11/7/2003	105,856.03	40,578.13	4,245.29	44,823.42
T	2756 Vulnerability Assessment	6/18/2004	14,172.84	5,019.53	568.38	5,587.91
T	2758 Compliance Eval Water Trmt	11/9/2004	62,943.97	20,981.33	2,524.34	23,505.67
T	2760 Water System Eval	6/30/2005	34,730.65	10,563.89	1,392.83	11,956.72
T	2761 Short Term Improvements	6/30/2005	52,562.00	15,987.61	2,107.97	18,095.58
T	2763 Water System Eval	9/16/2005	137,499.35	40,103.99	5,514.30	45,618.29
T	2764 Eng Short Term Improvements	10/20/2005	114,994.00	33,060.78	4,611.72	37,672.50
T	2936 Short Time Improvements	1/9/2008	14,350.60	2,511.36	575.52	3,086.88
T	3320 Chloramine Conversion	6/30/2008	57,722.00	8,898.81	2,314.91	11,213.72
T	3321 Chloramine Conversion	6/30/2008	30,139.00	4,646.43	1,208.71	5,855.14
T	3323 Chloramine Conversion	6/30/2008	31,149.00	4,802.14	1,249.23	6,051.37
T	3324 Chloramine Conversion	6/30/2008	15,339.00	2,364.76	615.15	2,979.91
T	3325 Chloramine Conversion	6/30/2008	17,626.00	2,717.34	706.86	3,424.20
T	3368 Chloramine Conversion	2/27/2009	29,668.00	3,584.88	1,189.83	4,774.71
T	3369 Chloramine Conversion	2/27/2009	17,626.00	2,129.81	706.86	2,836.67
T	3545 Chloramine Conversion	6/25/2009	4,788.00	492.76	192.31	685.07
T	3546 Chloramine Conversion	6/25/2009	8,342.00	579.31	223.03	802.34
T	3629 Chloramine Conversion	6/30/2009	9,875.00	1,016.31	396.58	1,412.89
T	3811 Chloramine Conversion	1/1/2010	21,797.00	1,089.86	582.79	1,672.65
T	4398 Chloramine Conversion	2/28/2011	30,678.00	426.08	820.23	1,246.31
T	3701 New LV Plant Sta 1 Improvement	12/1/2009	27,915.05	-	-	-
T	3800 New LV Plant Sta 1 Improvement	1/1/2010	737.10	-	-	-
T	3801 New LV Plant Sta 1 Improvement	1/1/2010	10,654.39	-	-	-
T	3802 New LV Plant Sta 1 Improvement	1/29/2010	5,850.00	-	-	-
T	3803 New LV Plant Sta 1 Improvement	1/7/2010	5,767.16	-	-	-
T	3804 New LV Plant Sta 1 Improvement	1/7/2010	65,149.98	-	-	-
T	3895 New LV Plant Sta 1 Improvement	4/28/2010	15,236.84	-	-	-
T	3896 New LV Plant Sta 1 Improvement	4/28/2010	92,466.62	-	-	-
T	3897 New LV Plant Sta 1 Improvement	4/28/2010	2,300.00	-	-	-
T	4023 New LV Plant Sta 1 Improvement	6/30/2010	9,330.00	-	-	-
T	4137 New LV Plant Sta 1 Improvement	6/30/2010	5,000.00	-	-	-
T	4193 New LV Plant Sta 1 Improvement	11/29/2010	5,693.96	-	-	-
T	4194 New LV Plant Sta 1 Improvement	11/29/2010	94,973.14	-	-	-
T	4341 New LV Plant Sta 1 Improvement	2/25/2011	1,446.52	-	-	-
T	4348 New LV Plant Sta 1 Improvement	2/25/2011	20,500.00	-	-	-
T	4349 New LV Plant Sta 1 Improvement	2/25/2011	13,560.00	-	-	-
T	4480 New LV Plant Sta 1 Improvement	5/1/2011	5,420.00	-	-	-
T	4481 New LV Plant Sta 1 Improvement	5/1/2011	220.00	-	-	-
T	4482 New LV Plant Sta 1 Improv SRF	5/1/2011	4,960.00	-	-	-
T	4483 New LV Plant Sta 1 Improvement	5/1/2011	824,980.75	-	-	-
T	4484 New LV Plant Sta 1 Improvement	5/1/2011	89,243.38	-	-	-
T	4485 New LV Plant Sta 1 Improvement	5/1/2011	22,405.03	-	-	-
T	4486 New LV Plant Sta 1 Improvement	5/1/2011	154,964.20	-	-	-
T	4495 New LV Plant Sta 1 Improv SRF	6/1/2011	80.00	-	-	-
T	4496 New LV Plant Sta 1 Improv SRF	6/7/2011	10,154.65	-	-	-
T	4497 New LV Plant Sta 1 Improv SRF	6/7/2011	60,345.00	-	-	-
T	4498 New LV Plant Sta 1 Improv SRF	6/7/2011	1,974.00	-	-	-
T	4626 New LV Plant SRF Req 4	6/30/2011	6,040.00	-	-	-
T	4629 New LV Plant SRF Req 4	6/30/2011	16,025.36	-	-	-
T	4630 New LV Plant SRF Req 4	6/30/2011	53,958.66	-	-	-
T	4684 New LV Plant Sta 1 Improv SRF	6/30/2011	156,504.29	-	-	-
T	4689 New LV Plant Sta 1 Improv SRF	6/30/2011	12,440.00	-	-	-
T	4705 New LV Plant Sta 1 Improvement	6/30/2011	5,128.55	-	-	-
T	4706 New LV Plant Sta 1 Improv SRF	6/30/2011	201,980.97	-	-	-
T	New LV Plant Sta 1 Improv SRF	FY 2012	5,796,703.91	-	-	-
T	2907 Lee's Wharf Pump Station	1/1/1977	11,947.42	8,243.77	191.65	8,435.42
T	2910 Paradise Avenue Pump Station	1/1/1944	10,121.54	10,121.54	-	10,121.54

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T	2912 Forest Ave Pump Station	1/1/1966	20,618.74	18,763.05	PUMP	330.77	19,093.82
T	2917 Paradise Avenue Pump Station	6/10/2005	495,349.75	60,267.55	PUMP	7,946.24	68,213.79
TD	2720 Group of Chain Link Fencing	1/1/1966	5,088.79	-			-
TD	2737 Modifications	6/30/1990	64,650.00	34,075.94		1,296.39	35,372.33
TD	2739 Office & shop	8/22/1967	148,175.48	148,175.48		-	148,175.48
TD	2740 Overhead doors (7)	11/26/1986	14,266.00	8,797.37		286.06	9,083.43
TD	2741 (2) Natural gas unit heater	3/1/1999	2,842.26	876.41		56.98	933.39
TD	2748 Water Mapping Project	6/30/1994	123,095.28	105,143.88		4,936.66	110,080.54
TD	2757 Leak detection survey	4/9/2004	5,400.00	1,957.50		216.56	2,174.06
TD	2766 Sherman St Main Improve	11/15/2006	15,227.33	3,553.60		610.71	4,163.77
TD	3362 Hydraulic Modeling & GIS	2/27/2009	12,360.78	1,493.60		495.72	1,989.32
TD	3526 Hydraulic Modeling & GIS	6/12/2009	10,472.31	1,090.87		419.99	1,510.86
TD	3527 Hydraulic Modeling & GIS	6/12/2009	37,176.70	3,872.57		1,490.94	5,363.51
TD	3547 Hydraulic Modeling & GIS	6/25/2009	17,297.12	1,801.79		693.67	2,495.46
TD	3630 Hydraulic Modeling & GIS	6/30/2009	52,432.82	5,461.75		2,102.77	7,564.52
TD	3675 Hydraulic Modeling & GIS	10/5/2009	48,053.71	4,204.71		1,927.15	6,131.86
TD	3809 Hydraulic Modeling & GIS	1/1/2010	7,545.65	565.92		302.61	868.53
TD	3810 Infrastructure Replacement Pla	1/1/2010	35,360.34	2,652.03		1,418.11	4,070.14
TD	3894 Infrastructure Replacement Pla	4/28/2010	11,133.36	695.84		446.50	1,142.34
TD	3946 Hydraulic Modeling & GIS	6/29/2010	77,668.01	4,207.02		3,114.83	7,321.85
TD	4434 Hydraulic Modeling & GIS	5/1/2011	15,999.51	133.33		641.66	774.99
TD	4668 Hydraulic Modeling & GIS	6/1/2011	5,193.39	21.64		208.29	229.93
TD	2783 Mains & Gates	6/30/1975	4,871,072.96	3,515,291.02		78,140.14	3,593,431.16
TD	2784 Mains & Gates	6/30/1980	513,807.23	319,416.82		8,242.34	327,659.16
TD	2785 Mains & Gates	6/30/1981	191,764.29	115,378.20		3,076.23	118,454.43
TD	2786 Mains & Gates	6/30/1982	1,218,412.90	708,710.23		19,545.39	728,255.62
TD	2787 Mains & Gates	6/30/1983	754.04	423.50		12.11	435.61
TD	2788 Mains & Gates	6/30/1984	3,690.43	1,999.02		59.19	2,058.21
TD	2789 Mains & Gates	6/30/1985	2,273.74	1,186.13		36.48	1,222.61
TD	2790 Mains & Gates	6/30/1986	1,837,575.53	921,850.38		29,477.79	951,328.17
TD	2791 Mains & Gates	6/30/1987	26,510.96	12,769.47		425.29	13,194.76
TD	2792 Mains & Gates	6/30/1988	12,303.98	5,680.35		197.40	5,877.75
TD	2793 Mains & Gates	6/30/1989	405,637.92	179,156.78		6,507.11	185,663.89
TD	2794 Mains & Gates	6/30/1990	318,202.11	134,175.18		5,104.51	139,279.69
TD	2795 Bellevue Avenue Main	6/30/1991	357,013.46	143,400.42		5,727.08	149,127.50
TD	2796 Dexter Street Main	3/10/1992	12,441.55	4,810.71		199.60	5,010.31
TD	2797 12" hydraulic check valve	9/8/1992	18,000.00	6,780.00		288.75	7,068.75
TD	2798 Water services-dig & backfill	9/4/1998	3,564.50	914.89		57.17	972.06
TD	2799 Mains & Gates	3/1/2000	40,000.00	9,066.67		641.69	9,708.36
TD	2800 Water main installation	9/19/2002	234,391.84	41,409.25		3,760.03	45,169.28
TD	2801 Trench restoration	12/18/2002	48,748.68	8,368.49		782.03	9,150.52
TD	2802 Piping	11/16/2001	27,713.17	5,357.85		444.58	5,802.43
TD	2803 Side water tapping machine	6/30/2003	13,200.00	2,134.00		211.75	2,345.75
TD	2804 L V ResidualsMgt	12/19/2003	348,038.23	52,785.78		5,583.12	58,368.90
TD	2805 Water trench restoration	12/19/2003	58,145.13	8,818.66		932.76	9,751.42
TD	2806 Ocean Dr water mains	6/30/2004	131,689.50	18,656.01		2,112.51	20,768.52
TD	2807 Const Ocean Dr water mains	12/30/2004	1,132,256.82	149,080.51		18,163.30	167,243.81
TD	2808 Trench/Sidewalk Restoration	6/30/2005	109,605.90	13,335.40		1,758.28	15,093.68
TD	2809 Engineer-Ocean Dr water mains	6/3/2005	93,371.08	11,360.14		1,497.84	12,857.98
TD	2810 Reconst of East Main Road	6/30/2005	55,403.47	6,740.76		888.77	7,629.53
TD	2811 Eng Ocean Dr water mains	8/8/2005	33,755.79	3,994.46		541.50	4,535.96
TD	2812 Eng Services Ocean Drive #2	7/18/2006	3,960.77	396.10		63.53	459.63
TD	2813 Trench/Sidewalk Restoration	9/22/2005	49,894.02	5,820.97		800.40	6,621.37
TD	2814 Ocean Dr water mains Phase 2	10/31/2005	1,128,339.16	129,758.99		18,100.45	147,859.44
TD	2815 Ocean Dr water mains Phase 3	9/30/2006	1,555,576.15	150,372.35		24,954.05	175,326.40
TD	2816 Reconst of East Main Road	7/1/2006	71,984.86	7,198.50		1,154.77	8,353.27
TD	2817 Reconst of East Main Road	9/12/2007	21,268.79	1,630.62		341.21	1,971.83
TD	2818 Special Detail - Ocean Ave	7/28/2005	108,945.00	13,073.40		1,747.67	14,821.07
TD	2819 Special Detail - Ocean Ave	10/6/2006	76,157.50	7,234.96		1,221.70	8,456.66
TD	2820 Special Detail - Ocean Ave	8/28/2007	6,025.00	471.96		96.64	568.60
TD	2821 Fluid Conservation Systems	6/30/2006	29,900.00	3,039.83		479.64	3,519.47
TD	2822 Reservoir Tank Improve	5/31/2006	443,675.00	45,846.42		7,117.30	52,963.72
TD	2823 Trench and Sidewalk Restor	8/17/2006	51,949.00	5,108.32		833.33	5,941.65
TD	2824 Ocean Dr water mains Phase 3	6/30/2007	76,143.17	6,218.35		1,221.47	7,439.82
TD	2825 Booster station	1/1/1967	77,956.36	77,956.36		-	77,956.36
TD	2826 Reservoir Road Standpipe	3/3/1967	185,675.00	185,675.00		-	185,675.00
TD	2827 Goulart Lane Standpipe	10/28/1967	134,123.00	134,123.00		-	134,123.00
TDP	2828 Treated water pump	10/4/1973	465,883.33	439,677.39	PUMP	9,341.93	449,019.32
TD	2829 Painting of Water Tank	6/6/1985	106,535.00	69,469.70		2,136.27	71,605.97
TD	2830 Distribution Standpipes	6/30/1986	80,817.53	50,679.37		1,620.56	52,299.93
TD	2831 Leak detection survey	6/30/2003	12,070.00	2,439.15		242.04	2,681.19
TD	2832 Water trench repair	6/30/2003	36,107.20	7,296.66		724.02	8,020.68
TD	2921 Ocean Dr water mains Phase 3	10/29/2007	64,010.60	4,800.79		1,026.84	5,827.63
TD	2922 Ocean Dr water mains Phase 3	11/16/2007	129,205.55	9,475.07		2,072.66	11,547.73
TD	2925 Special Detail - Ocean Ave	10/29/2007	12,950.00	971.25		207.74	1,178.99
TD	2926 Special Detail - Ocean Ave	11/30/2007	800.00	58.67		12.83	71.50
TD	2927 Special Detail - Ocean Ave	11/30/2007	3,150.00	231.00		50.53	281.53
TD	2928 Special Detail - Ocean Ave	11/30/2007	325.00	23.83		5.20	29.03
TD	2929 Special Detail - Ocean Ave	11/30/2007	1,950.00	143.00		31.28	174.28
TD	2930 Special Detail - Ocean Ave	12/21/2007	1,700.00	121.83		27.27	149.10
TD	2931 Trench and Sidewalk Restor	11/16/2007	11,830.92	867.61		189.81	1,057.42



WATER FUND FIXED ASSETS

TD	TRANSMISSION/DISTRIBUTION	21,792,120.78
L	LAWTON VALLEY	7,116,281.83
N	STATION 1	22,516,440.91
T	TREATMENT BOTH	9,161,055.40
ST	STORAGE	1,060,548.49
SS	SOURCE OF SUPPLY	19,453,648.97
M	METERS	629,135.04
TDP	T&D PUMPING	907,332.37
B	BILLING	2,902,066.32
F	FIRE	455,503.53
LAB	LABORATORY	80,000.00
LAND	LAND AND ROW	3,594,491.24
		89,668,624.88

Pumping Highlighted in green  
Reconciliation Revisions Highlighted in Blue

ASSET	DESCRIPTION	INSRV-DATE	Total to 5/31/12		7/1/11-5/31/12	(No depr Calculated on 2012 additions yet)
Alloc	ASSET DESCRIPTION	INSRV-DATE	ORIG-COST	A/D to 6/30/11	YTD-DEPR	A/D to 5/31/12
F	Estimated Original Cost of Pre-1981 Hydrants		104,022.37			
F	2861 Hydrants	6/30/1981	2,818.27	2,818.27	-	2,818.27
F	2862 Hydrants	6/30/1982	48,742.23	47,252.88	1,303.18	48,556.06
F	2863 Hydrants	6/30/1983	513.18	480.40	13.72	494.12
F	2864 Hydrants	6/30/1984	390.89	352.90	10.46	363.36
F	2865 Hydrants	6/30/1985	5,615.80	4,882.62	150.15	5,032.77
F	2866 Hydrants	6/30/1986	11,149.30	9,322.05	298.09	9,620.14
F	2867 Hydrants	6/30/1987	2,130.64	1,710.41	56.98	1,767.39
F	2868 Hydrants	6/30/1988	345.06	265.48	9.24	274.72
F	2869 Hydrants	6/30/1989	13,148.17	9,678.49	351.53	10,030.02
F	2870 Hydrants	1/17/1996	11,796.00	11,796.00	-	11,796.00
F	2871 Hydrants	12/12/1996	10,190.00	10,190.00	-	10,190.00
F	2872 Hydrants	5/21/1998	4,494.00	4,494.00	-	4,494.00
F	2873 Hydrants	3/16/1998	1,577.00	1,577.00	-	1,577.00
F	2874 Hydrants	3/26/1998	1,276.00	1,276.00	-	1,276.00
F	2875 Hydrants	6/4/1999	28,444.02	28,444.02	-	28,444.02
F	2876 Hydrants	3/15/2000	8,372.00	8,372.00	-	8,372.00
F	2877 Hydrants	6/30/2001	15,660.00	15,660.00	-	15,660.00
F	2878 Hydrants	7/1/2002	23,737.00	21,363.30	1,903.92	23,267.22
F	2879 Hydrants	4/16/2004	40,848.00	29,614.80	3,276.35	32,891.15
F	2880 Hydrants	4/14/2005	31,431.00	19,644.38	2,521.04	22,165.42
F	2881 Hydrants	4/5/2006	38,480.00	20,202.00	3,086.44	23,288.44
F	3677 Hydrant Replacements	10/1/2009	6,924.60	1,211.81	555.42	1,767.23
F	3678 Hydrant Replacements	10/20/2009	7,253.00	1,269.28	581.74	1,851.02
F	3807 Hydrant Replacements	1/1/2010	1,872.00	280.80	150.15	430.95
F	4400 Hydrant Replacements	2/28/2011	16,773.00	698.88	1,345.34	2,044.22
F	Hydrant Replacements	FY 2012	17,500.00		-	-
L	2722 Filter Building/structure	6/30/1942	340,775.40	340,775.40		340,775.40
L	2723 Structure	6/30/1965	1,156,376.62	1,156,376.62		1,156,376.62
L	2725 Structure	6/30/1988	2,052.00	1,184.18	41.15	1,225.33
L	2729 Baffle #3 replacement	12/1/1995	65,900.00	25,673.54	1,321.42	26,994.96
L	2730 Elevator replacement	5/7/2004	118,800.00	21,285.00	2,382.19	23,667.19
L	2731 WTP Sediment Basin Repairs	6/30/2005	227,476.00	34,595.31	4,561.38	39,156.69
L	2732 Chlorine System Improvements	3/31/2005	92,250.00	14,606.25	1,849.83	16,456.08
L	2744 LV Chlorine Building (CAF)	1/1/1943	13,399.68	13,399.68	-	13,399.68
L	2745 LV Pump Building (CAG)	1/1/1973	22,818.56	17,570.25	366.04	17,936.29
L	2746 LV Garage	1/1/1982	11,805.27	6,965.12	189.38	7,154.50
L	2750 Newport Sta.#1 improve	5/31/2001	9,686.31	4,923.88	388.47	5,312.35
L	2752 Engineering Study-SCADA	2/6/2004	32,639.11	12,103.68	1,308.97	13,412.65
L	2765 Liquid chemical feed	7/1/2006	144,559.00	36,139.75	5,797.43	41,937.18
L	2939 SCADA-Lawton Valley Imprv	10/17/2007	12,762.50	2,392.97	511.84	2,904.81
L	2940 SCADA-Lawton Valley Imprv	11/5/2007	3,877.50	710.88	155.51	866.39
L	3319 SCADA-Lawton Valley Imprv	6/30/2008	2,690.00	414.71	107.90	522.61
L	3326 CDM Water Age	6/30/2008	9,617.00	1,482.62	385.67	1,868.29
L	3327 CDM Water Age	6/30/2008	12,968.10	1,999.25	520.07	2,519.32
L	3328 Liquid Chemical Feed	6/30/2008	8,439.40	1,301.07	338.46	1,639.53
L	3329 LV Mixing System Design	6/30/2008	2,047.37	315.64	82.10	397.74
L	3330 LV Mixing System Design	6/30/2008	3,162.06	487.48	126.82	614.30
L	3363 LV Backwash Diversion	2/27/2009	67,925.00	8,207.60	2,724.07	10,931.67
L	3364 LV Backwash Diversion	2/27/2009	59,850.00	7,231.88	2,400.24	9,632.12
L	3365 Lawton Valley Mixing System	2/27/2009	705.04	85.19	28.30	113.49
L	3366 Lawton Valley Mixing System	2/27/2009	854.05	103.19	34.27	137.46
L	3367 Lawton Valley Mixing System	2/27/2009	501.35	60.59	20.12	80.71
L	3376 LV Backwash Diversion	2/27/2009	55,062.00	6,653.33	2,208.22	8,861.55
L	4691 SCADA-LV Improvements	6/30/2011	486,091.11	2,025.38	19,494.28	21,519.66
L	3636 LV New Treatmnt Plant	6/30/2009	425,296.14	-	-	-
L	3702 LV New Treatmnt Plant	12/1/2009	142,810.79	-	-	-
L	3703 LV New Treatmnt Plant	12/1/2009	20,316.52	-	-	-
L	3704 LV New Treatmnt Plant	12/1/2009	322,894.99	-	-	-
L	3708 LV New Treatment Plant	12/16/2009	13,312.49	-	-	-
L	2897 LV Treatment Plant (DAX)	1/1/1943	155,575.00	155,575.00	-	155,575.00
L	2898 LV Addition - 1966 (DAY)	1/1/1966	196,360.00	178,687.60	3,149.96	181,837.56
L	2899 Clearwell LV (DAZ)	1/1/1943	6,891.26	6,891.26	-	6,891.26

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L	2900 LV In-Ground Reservoir (DBA)	1/1/1966	289,649.25	263,580.82	4,646.47	268,227.29
L	2901 LV Generator Housing (DBB)	1/1/1991	6,286.73	2,577.55	100.87	2,678.42
L	2904 LV UndergrPlant Piping (DBG)	1/1/1943	18,882.06	18,882.06	-	18,882.06
L	2905 LV UndergrPlant Piping (DBH)	1/1/1966	8,612.63	7,837.48	138.17	7,975.65
L	2906 LV UndergrPlant Piping (DBI)	1/1/1973	35,831.70	27,590.40	574.81	28,165.21
L	2913 Generator Housing	1/1/1991	6,371.68	2,612.35	102.22	2,714.57
L	4695 Lawton Valley Residuals	6/30/2011	111,530.00	185.88	1,789.12	1,975.00
L	4696 LV Constr Raw Residuals	6/30/2011	79,612.80	132.69	1,277.14	1,409.83
L	4697 LV Sedimentation Basin	6/30/2011	335,813.80	559.69	5,387.02	5,946.71
L	2770 PVC liners for alum tanks	11/1/2000	8,922.00	8,922.00	-	8,922.00
L	2778 Hydr lime volumetric feed	2/6/1998	12,271.00	12,271.00	-	12,271.00
L	2781 SCADA-L V Improvements	6/30/2007	707,526.64	288,906.71	56,749.54	345,656.25
L	4698 PH Chemical Feed	6/30/2011	586,123.68	976.87	9,402.39	10,379.26
L	4699 Pretreat Clar Trng	6/30/2011	660,300.24	1,100.50	10,592.31	11,692.81
LAB	2782 Lab Equipment - Contract 26	3/6/1991	80,000.00	80,000.00	-	80,000.00
LAND	2669 Various Land Purchases	6/9/1936	327,597.32	-	-	-
LAND	2670 4.50 Acres Bliss Mine Neast	5/2/1940	5,000.00	-	-	-
LAND	2671 Green End Avenue parcel	6/30/1941	947.18	-	-	-
LAND	2672 789' x 20' easement	3/31/1942	250.00	-	-	-
LAND	2673 6.80 acres w/ease to Union St	3/31/1942	4,500.00	-	-	-
LAND	2674 496' x 20' easement	3/31/1942	175.00	-	-	-
LAND	2675 Green End Avenue land	10/31/1944	1,890.00	-	-	-
LAND	2676 7.05 acres of Thurston Farm	6/21/1957	10,506.00	-	-	-
LAND	2677 Land & Rights of Way	6/11/1964	217,586.67	-	-	-
LAND	2678 Land & Rights of Way	6/7/1965	1,832.27	-	-	-
LAND	2679 20' easement	6/18/1965	999.86	-	-	-
LAND	2680 600' x 12' easement	10/13/1965	300.00	-	-	-
LAND	2681 Pipeline easement	4/5/1967	1,000.00	-	-	-
LAND	2682 Burchard Avenue	11/18/1967	1,500.00	-	-	-
LAND	2683 Reservoir Rd Sewer Line	9/7/1970	6,800.00	-	-	-
LAND	2684 Land & Rights of Way	6/30/1976	3,750.00	-	-	-
LAND	2685 Land & Rights of Way	11/22/1976	54,201.02	-	-	-
LAND	2686 Gray Craig Estate	1/26/1995	151,268.00	-	-	-
LAND	2687 Land & Rights of Way	12/22/1995	25,600.00	-	-	-
LAND	2688 Land & Rights of Way	6/7/1996	188,000.00	-	-	-
LAND	2689 Land & Rights of Way	12/17/1996	386,120.00	-	-	-
LAND	2690 Land & Rights of Way	12/11/1996	54,846.00	-	-	-
LAND	2691 Land & Rights of Way	12/17/1996	65,390.00	-	-	-
LAND	2692 Land & Rights of Way	7/17/1996	280,000.00	-	-	-
LAND	2693 Land & Rights of Way	12/11/1996	145,000.00	-	-	-
LAND	2694 Land & Rights of Way	11/15/1996	48,695.28	-	-	-
LAND	2695 Land & Rights of Way	4/4/1997	110,364.00	-	-	-
LAND	2696 Land & Rights of Way	4/4/1997	50,000.00	-	-	-
LAND	2697 Land & Rights of Way	2/12/1997	248,675.00	-	-	-
LAND	2698 Land & Rights of Way	6/26/1997	44,334.00	-	-	-
LAND	2699 Land & Rights of Way	4/4/1997	29,916.00	-	-	-
LAND	2700 Land & Rights of Way	3/31/1997	94,503.27	-	-	-
LAND	2701 Land & Rights of Way	6/26/2000	588,500.00	-	-	-
LAND	2702 Cons ease from VanderbiltFarm	6/26/2001	53,444.37	-	-	-
LAND	2703 Cons ease from VanderbiltFarm	12/22/2000	391,000.00	-	-	-
M	4693 FY08 Series 2008 A SRF Loan	6/30/2011	59,000.00	98.33	946.45	1,044.78
M	2855 Meters	6/30/2004	44,956.05	10,614.62	1,201.97	11,816.59
M	2856 Meters	10/22/2004	27,235.60	6,127.99	728.17	6,856.16
M	2857 Meters	6/20/2005	54,080.81	10,966.36	1,445.91	12,412.27
M	2858 Meters	10/18/2006	30,681.66	4,857.92	820.33	5,678.25
M	2934 Meter Replacements	10/19/2007	6,750.00	843.75	180.47	1,024.22
M	2935 Meter Replacements	12/21/2007	6,750.00	806.25	180.47	986.72
M	3312 Meter Replacements	6/30/2008	875.00	89.94	23.39	113.33
M	3313 Meter Replacements	6/30/2008	7,882.20	810.12	210.75	1,020.87
M	3314 Meter Replacements	6/30/2008	8,640.00	888.00	231.00	1,119.00
M	3315 Meter Replacements	6/30/2008	1,470.00	151.08	39.30	190.38
M	3316 Meter Replacements	6/30/2008	4,379.00	450.07	117.08	567.15
M	3317 Meter Replacements	6/30/2008	3,315.00	340.71	88.65	429.36
M	3318 Meter Replacements	6/30/2008	22,595.00	2,322.27	604.11	2,926.38
M	3374 Meter Replacements	2/27/2009	6,400.00	515.55	171.13	686.68
M	3379 Meter Replacements	2/27/2009	3,157.12	254.33	84.41	338.74
M	3380 Meter Replacements	2/27/2009	723.56	58.29	19.35	77.64
M	3542 Meter Replacements	6/25/2009	14,269.80	990.96	381.54	1,372.50
M	3543 Meter Replacements	6/25/2009	3,946.40	274.06	105.50	379.56
M	3544 Meter Replacements	6/25/2009	11,280.00	783.33	301.58	1,084.91
M	3631 Meter Replacements	6/29/2009	20,514.50	1,424.63	548.49	1,973.12
M	3676 Meter Replacements	10/1/2009	13,776.00	803.60	368.34	1,171.94
M	3953 Meter Replacements	6/29/2010	7,780.00	280.94	208.00	488.94
M	3954 Meter Replacements	6/29/2010	21,840.00	788.67	583.94	1,372.61
M	4019 Meter Replacements	6/8/2010	10,860.00	392.17	290.37	682.54
M	4396 Meter Replacements	2/28/2011	9,690.00	134.58	259.09	393.67
M	4397 Meter Replacements	2/28/2011	11,273.31	156.58	301.41	457.99
M	4438 Meter Replacements	5/1/2011	2,892.00	16.07	77.32	93.39
M	4439 Meter Replacements	5/1/2011	145.00	0.81	3.86	4.67
M	4440 Meter Replacements	5/1/2011	13,899.00	77.22	371.62	448.84
M	4518 Meter Replacements	6/1/2011	2,378.18	6.61	63.59	70.20

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M	4519 Meter Replacements	6/7/2011	26,000.00	72.22		695.13	767.35
B	4702 SRF Remote Meter Reading	6/30/2011	2,589,948.41	7,194.30		69,245.14	76,439.44
M	Meter Replacements	FY 2012	139,197.85			-	-
B	SRF Remote Meter Reading	FY 2012	298,997.91			-	-
B	laptop	FY 2012	13,120.00			-	-
M	2889 GCW Pick-up truck	6/30/2001	30,502.00	30,502.00		-	30,502.00
N	2719 Water treat plant (BAH-BAI)	1/1/1991	23,123.24	-		-	-
N	2724 Structure	6/30/1979	686,914.60	550,962.75		13,774.06	564,736.81
N	2726 Structure - Contract 26	3/6/1991	14,045,392.00	7,139,740.93		281,639.37	7,421,380.30
N	2727 Const supervision settlement	3/6/1991	154,159.00	78,364.16		3,091.21	81,455.37
N	2728 Carbon dioxide feed & control	11/5/1994	60,290.00	27,157.67		1,306.98	28,464.65
N	2742 Station 1 Improvements	4/29/2005	176,474.19	27,574.08		3,538.69	31,112.77
N	2749 Optimization study	5/31/2000	107,929.23	60,260.47		4,328.42	64,588.89
N	2751 Engineering Study-SCADA	6/30/2003	135,969.13	54,954.21		5,452.95	60,407.16
N	2754 Engineering Services-SCADA	6/18/2004	6,992.61	2,476.55		280.45	2,757.00
N	2755 Station 1 WTP & SCADA Improv	6/18/2004	257,830.95	91,315.15		10,340.11	101,655.26
N	2759 Engineering Services-SCADA	6/30/2005	85,909.18	26,130.72		3,445.32	29,576.04
N	2762 SCADA Project 2060032	6/30/2005	23,836.69	7,250.32		955.96	8,206.28
N	2894 S1 (DAU)Clearwell	1/1/1991	220,885.34	90,563.04		3,543.36	94,106.40
N	2895 S1 (DAV) Wash Water Well	1/1/1991	103,646.20	42,494.91		1,662.66	44,157.57
N	2896 S1 Ozone Pump (DAW)	1/1/1978	169,722.66	113,714.15		2,722.62	116,436.77
N	2774 Electric Pumping Equipment	3/6/1991	236,450.00	160,260.57	PUMP	6,321.77	166,582.34
N	2775 Machinery & Equipment	6/22/1982	537,323.04	537,323.04		-	537,323.04
N	2776 Machinery & Equipment	6/30/1989	29,485.95	29,485.95		-	29,485.95
N	2777 Furnish and Equip - Cont 26	3/6/1991	1,942,631.00	1,942,631.00		-	1,942,631.00
N	2780 Machinery & Equipment	6/30/1999	10,926.00	10,926.00		-	10,926.00
N	2902 S1 Treatment Plant (DBC)	1/1/1991	3,370,200.54	1,381,782.21		54,063.63	1,435,845.84
N	2903 S1 Undergr Piping (DBF)	1/1/1991	130,349.36	53,443.30		2,091.03	55,534.33
SS	2721 Pier Wood 3126 Sq. Ft.	6/30/1980	14,042.97	-		-	-
SS	2736 Storm windows	3/2/1989	675.00	376.88		13.54	390.42
SS	2743 Lawton Valley Sluice Gate	3/30/2006	191,630.00	25,550.67		3,842.59	29,393.26
SS	2767 Dam and Moat Study	6/30/2007	40,088.00	8,184.63		1,607.69	9,792.32
SS	2768 Dam and Moat Study	7/20/2007	13,743.50	2,748.70		551.18	3,299.88
SS	2769 Dam and Moat Study	8/20/2007	43,407.50	8,500.64		1,740.82	10,241.46
SS	4690 Paradise Intake Structures	6/30/2011	12,995.00	54.15		521.17	575.32
SS	4692 Source Water Assess Plan	6/30/2011	44,322.65	184.68		1,777.55	1,962.23
SS	3637 E. Pond Dam Repairs	6/30/2009	61,320.95	-		-	-
SS	3679 Easton Pond Dam Repairs	10/1/2009	400.00	-		-	-
SS	3683 E. Pond Dam Repairs	11/1/2009	49,755.80	-		-	-
SS	3684 E. Pond Dam Repairs	11/1/2009	11,719.00	-		-	-
SS	3685 E. Pond Dam Repairs	11/1/2009	17,321.20	-		-	-
SS	3705 E. Pond Dam Repairs	11/1/2009	3,575.00	-		-	-
SS	3706 E. Pond Dam Repairs	11/1/2009	38,434.40	-		-	-
SS	3707 E. Pond Dam Repairs	12/2/2009	10,473.60	-		-	-
SS	3898 E. Pond Dam Repairs	4/28/2010	6,295.75	-		-	-
SS	3899 E. Pond Dam Repairs	4/28/2010	1,727.50	-		-	-
SS	3955 E. Pond Dam Repairs	6/30/2010	3,404.70	-		-	-
SS	3956 E. Pond Dam Repairs	6/30/2010	8,045.40	-		-	-
SS	3957 E. Pond Dam Repairs	6/30/2010	11,010.50	-		-	-
SS	3958 E. Pond Dam Repairs	6/30/2010	13,792.20	-		-	-
SS	4022 E. Pond Dam Repairs	6/30/2010	1,930.70	-		-	-
SS	4096 E. Pond Dam Repairs	6/30/2010	4,446.90	-		-	-
SS	4343 E. Pond Dam Repairs	2/25/2011	9,037.50	-		-	-
SS	4344 E. Pond Dam Repairs	2/25/2011	3,061.10	-		-	-
SS	4345 E. Pond Dam Repairs	2/25/2011	4,422.00	-		-	-
SS	4346 E. Pond Dam Repairs	2/25/2011	6,046.80	-		-	-
SS	4347 E. Pond Dam Repairs	2/25/2011	1,549.40	-		-	-
SS	4487 E. Pond Dam Repairs	5/1/2011	7,219.90	-		-	-
SS	4488 E. Pond Dam Repairs	5/1/2011	4,541.40	-		-	-
SS	4493 E. Pond Dam Repairs SRF	6/1/2011	5,826.75	-		-	-
SS	4494 E. Pond Dam Repairs SRF	6/7/2011	1,942.25	-		-	-
SS	4685 E. Pond Dam Repairs SRF	6/30/2011	931.00	-		-	-
SS	4688 E. Pond Dam Repairs SRF	6/30/2011	8,539.09	-		-	-
SS	E. Pond Dam Repairs SRF	FY 2012	2,349,160.46	-		-	-
SS	4704 St Mary's Raw Water	6/30/2011	2,300,147.51	3,833.58		36,898.21	40,731.79
SS	St Mary's aeration	FY 2012	21,355.91	-		-	-
SS	intake structures	FY 2012	13,402.60	-		-	-
SS	4694 Gardiner Pond Water Tank Imp	6/30/2011	103,052.25	171.75		1,653.14	1,824.89
SS	4700 SRF Issuance Cost	6/30/2011	28,396.63	47.33		455.55	502.88
SS	2704 Lawton Valley	6/9/1936	374,677.00	-		-	-
SS	2705 North & South Easton's	9/30/1940	28,615.66	-		-	-
SS	2706 North & South Easton's	9/30/1940	28,615.67	-		-	-
SS	2707 North & South Easton's	9/30/1940	(8,356.60)	-		-	-
SS	2708 North & South Easton's	9/30/1940	(8,680.78)	-		-	-
SS	2709 Gardiner	3/31/1958	87,543.72	-		-	-
SS	2710 Nonquit	3/31/1958	77,847.03	-		-	-
SS	2711 Easton's Pond	6/30/1995	37,048.02	-		-	-
SS	2712 Lawton Valley Res & Dam	6/30/1985	1,556,751.00	-		-	-
SS	2713 Permit	4/1/1993	600.00	-		-	-
SS	2714 Dam	6/30/1961	271,108.19	271,108.19		-	271,108.19
SS	2715 Reservoir Road Bridge	6/30/1961	4,929.36	4,929.36		-	4,929.36

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SS	3360 Safe Yield Study	2/27/2009	75,498.12	9,122.70	3,027.81	12,150.51
SS	3361 Safe Yield Study	2/27/2009	42,681.88	5,157.38	1,711.71	6,869.09
SS	3525 Safe Yield Study	6/12/2009	3,884.66	404.65	155.80	560.45
SS	3540 Safe Yield Study	6/25/2009	1,467.92	152.92	58.89	211.81
SS	Source Water Monitoring	FY 2012	96,549.81	-	-	-
SS	2882 1995 MCI off-road vehicle	6/2/1995	10,995.00	10,995.00	-	10,995.00
SS	2886 Deweze Mower 72"	6/30/2001	26,799.00	26,799.00	-	26,799.00
SS	2887 Big Tex Trailer	6/30/2001	3,555.00	3,555.00	-	3,555.00
SS	2888 Mid-size Cab Pick-up	6/30/2001	14,168.00	14,168.00	-	14,168.00
SS	2891 Dew Eze ATM72 Mower	6/30/2004	28,307.56	28,307.56	-	28,307.56
SS	3680 Riding Mowers	10/1/2009	15,321.00	6,702.94	3,072.20	9,775.14
SS	4401 Slope Mower	2/8/2011	53,374.00	3,706.53	7,135.08	10,841.61
SS	2716 5100 ft 24 Pipe Wat Dam Nonq	6/30/1961	93,878.00	93,878.00	-	93,878.00
SS	2717 Replaced 60 ft 16" 60 ft 24"	4/13/1992	16,850.39	6,487.44	270.31	6,757.75
SS	2718 24" x 10400 feet pipeline	2/21/1995	11,046,429.59	3,626,911.02	177,203.15	3,804,114.17
ST	2738 storage reservoir cleaning	6/4/1999	39,537.50	11,943.65	792.81	12,736.46
ST	3322 Lawton Valley Mixing System	6/30/2008	2,670.62	411.72	107.13	518.85
ST	3348 CDM Water Age	6/30/2008	12,968.10	1,999.25	520.07	2,519.32
ST	3528 Lawton Valley Mixing System	6/12/2009	3,468.82	361.33	139.11	500.44
ST	2911 Reservoir Rd Water Tank	1/1/1966	140,318.97	127,690.28	2,250.96	129,941.24
ST	2914 Water Tank	1/1/1970	100,109.25	83,090.68	1,605.93	84,696.61
TDP	2915 St. Mary Pump Station	1/1/1966	25,961.16	23,624.65	416.47	24,041.12
ST	2916 LV Plant Water Tank	1/1/1973	167,197.25	128,741.88	2,682.12	131,424.00
ST	4701 Water Tank Imp - Goulart Ln	6/30/2011	594,277.98	990.46	9,533.21	10,523.67
T	2747 Optimization study	1/1/1997	11,050.00	8,011.25	443.14	8,454.39
T	2753 Compliance Eval Water Trmt	11/7/2003	105,856.03	40,578.13	4,245.29	44,823.42
T	2756 Vulnerability Assessment	6/18/2004	14,172.84	5,019.53	568.38	5,587.91
T	2758 Compliance Eval Water Trmt	11/9/2004	62,943.97	20,981.33	2,524.34	23,505.67
T	2760 Water System Eval	6/30/2005	34,730.65	10,563.89	1,392.83	11,956.72
T	2761 Short Term Improvements	6/30/2005	52,562.00	15,987.61	2,107.97	18,095.58
T	2763 Water System Eval	9/16/2005	137,499.35	40,103.99	5,514.30	45,618.29
T	2764 Eng Short Term Improvements	10/20/2005	114,994.00	33,060.78	4,611.72	37,672.50
T	2936 Short Time Improvements	1/9/2008	14,350.60	2,511.36	575.52	3,086.88
T	3320 Chloramine Conversion	6/30/2008	57,722.00	8,898.81	2,314.91	11,213.72
T	3321 Chloramine Conversion	6/30/2008	30,139.00	4,646.43	1,208.71	5,855.14
T	3323 Chloramine Conversion	6/30/2008	31,149.00	4,802.14	1,249.23	6,051.37
T	3324 Chloramine Conversion	6/30/2008	15,339.00	2,364.76	615.15	2,979.91
T	3325 Chloramine Conversion	6/30/2008	17,626.00	2,717.34	706.86	3,424.20
T	3368 Chloramine Conversion	2/27/2009	29,668.00	3,584.88	1,189.83	4,774.71
T	3369 Chloramine Conversion	2/27/2009	17,626.00	2,129.81	706.86	2,836.67
T	3545 Chloramine Conversion	6/25/2009	4,788.00	492.76	192.31	685.07
T	3546 Chloramine Conversion	6/25/2009	8,342.00	579.31	223.03	802.34
T	3629 Chloramine Conversion	6/30/2009	9,875.00	1,016.31	396.58	1,412.89
T	3811 Chloramine Conversion	1/1/2010	21,797.00	1,089.86	582.79	1,672.65
T	4398 Chloramine Conversion	2/28/2011	30,678.00	426.08	820.23	1,246.31
T	3701 New LV Plant Sta 1 Improvement	12/1/2009	27,915.05	-	-	-
T	3800 New LV Plant Sta 1 Improvement	1/1/2010	737.10	-	-	-
T	3801 New LV Plant Sta 1 Improvement	1/1/2010	10,654.39	-	-	-
T	3802 New LV Plant Sta 1 Improvement	1/29/2010	5,850.00	-	-	-
T	3803 New LV Plant Sta 1 Improvement	1/7/2010	5,767.16	-	-	-
T	3804 New LV Plant Sta 1 Improvement	1/7/2010	65,149.98	-	-	-
T	3895 New LV Plant Sta 1 Improvement	4/28/2010	15,236.84	-	-	-
T	3896 New LV Plant Sta 1 Improvement	4/28/2010	92,466.62	-	-	-
T	3897 New LV Plant Sta 1 Improvement	4/28/2010	2,300.00	-	-	-
T	4023 New LV Plant Sta 1 Improvement	6/30/2010	9,330.00	-	-	-
T	4137 New LV Plant Sta 1 Improvement	6/30/2010	5,000.00	-	-	-
T	4193 New LV Plant Sta 1 Improvement	11/29/2010	5,693.96	-	-	-
T	4194 New LV Plant Sta 1 Improvement	11/29/2010	94,973.14	-	-	-
T	4341 New LV Plant Sta 1 Improvement	2/25/2011	1,446.52	-	-	-
T	4348 New LV Plant Sta 1 Improvement	2/25/2011	20,500.00	-	-	-
T	4349 New LV Plant Sta 1 Improvement	2/25/2011	13,560.00	-	-	-
T	4480 New LV Plant Sta 1 Improvement	5/1/2011	5,420.00	-	-	-
T	4481 New LV Plant Sta 1 Improvement	5/1/2011	220.00	-	-	-
T	4482 New LV Plant Sta 1 Improv SRF	5/1/2011	4,960.00	-	-	-
T	4483 New LV Plant Sta 1 Improvement	5/1/2011	824,980.75	-	-	-
T	4484 New LV Plant Sta 1 Improvement	5/1/2011	89,243.38	-	-	-
T	4485 New LV Plant Sta 1 Improvement	5/1/2011	22,405.03	-	-	-
T	4486 New LV Plant Sta 1 Improvement	5/1/2011	154,964.20	-	-	-
T	4495 New LV Plant Sta 1 Improv SRF	6/1/2011	80.00	-	-	-
T	4496 New LV Plant Sta 1 Improv SRF	6/7/2011	10,154.65	-	-	-
T	4497 New LV Plant Sta 1 Improv SRF	6/7/2011	60,345.00	-	-	-
T	4498 New LV Plant Sta 1 Improv SRF	6/7/2011	1,974.00	-	-	-
T	4626 New LV Plant SRF Req 4	6/30/2011	6,040.00	-	-	-
T	4629 New LV Plant SRF Req 4	6/30/2011	16,025.36	-	-	-
T	4630 New LV Plant SRF Req 4	6/30/2011	53,958.66	-	-	-
T	4684 New LV Plant Sta 1 Improv SRF	6/30/2011	156,504.29	-	-	-
T	4689 New LV Plant Sta 1 Improv SRF	6/30/2011	12,440.00	-	-	-
T	4705 New LV Plant Sta 1 Improvement	6/30/2011	5,128.55	-	-	-
T	4706 New LV Plant Sta 1 Improv SRF	6/30/2011	201,980.97	-	-	-
T	New LV Plant Sta 1 Improv SRF	FY 2012	5,796,703.91	-	-	-
T	2907 Lee's Wharf Pump Station	1/1/1977	11,947.42	8,243.77	191.65	8,435.42

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T	2910 Paradise Avenue Pump Station	1/1/1944	10,121.54	10,121.54	PUMP	-	10,121.54
T	2912 Forest Ave Pump Station	1/1/1966	20,618.74	18,763.05	PUMP	330.77	19,093.82
T	2917 Paradise Avenue Pump Station	6/10/2005	495,349.75	60,267.55	PUMP	7,946.24	68,213.79
TD	Estimated Original Cost of Pre-2007 T&D Pipe		15,780,473.56				
TD	2720 Group of Chain Link Fencing	1/1/1966	5,088.79	-			-
TD	2737 Modifications	6/30/1990	64,650.00	34,075.94		1,296.39	35,372.33
TD	2739 Office & shop	8/22/1967	148,175.48	148,175.48		-	148,175.48
TD	2740 Overhead doors (7)	11/26/1986	14,266.00	8,797.37		286.06	9,083.43
TD	2741 (2) Natural gas unit heater	3/1/1999	2,842.26	876.41		56.98	933.39
TD	2748 Water Mapping Project	6/30/1994	123,095.28	105,143.88		4,936.66	110,080.54
TD	2757 Leak detection survey	4/9/2004	5,400.00	1,957.50		216.56	2,174.06
TD	3362 Hydraulic Modeling & GIS	2/27/2009	12,360.78	1,493.60		495.72	1,989.32
TD	3526 Hydraulic Modeling & GIS	6/12/2009	10,472.31	1,090.87		419.99	1,510.86
TD	3527 Hydraulic Modeling & GIS	6/12/2009	37,176.70	3,872.57		1,490.94	5,363.51
TD	3547 Hydraulic Modeling & GIS	6/25/2009	17,297.12	1,801.79		693.67	2,495.46
TD	3630 Hydraulic Modeling & GIS	6/30/2009	52,432.82	5,461.75		2,102.77	7,564.52
TD	3675 Hydraulic Modeling & GIS	10/5/2009	48,053.71	4,204.71		1,927.15	6,131.86
TD	3809 Hydraulic Modeling & GIS	1/1/2010	7,545.65	565.92		302.61	868.53
TD	3810 Infrastructure Replacement Pla	1/1/2010	35,360.34	2,652.03		1,418.11	4,070.14
TD	3894 Infrastructure Replacement Pla	4/28/2010	11,133.36	695.84		446.50	1,142.34
TD	3946 Hydraulic Modeling & GIS	6/29/2010	77,668.01	4,207.02		3,114.83	7,321.85
TD	4434 Hydraulic Modeling & GIS	5/1/2011	15,999.51	133.33		641.66	774.99
TD	4668 Hydraulic Modeling & GIS	6/1/2011	5,193.39	21.64		208.29	229.93
TD	2797 12" hydraulic check valve	9/8/1992	18,000.00	6,780.00		288.75	7,068.75
TD	2798 Water services-dig & backfill	9/4/1998	3,564.50	914.89		57.17	972.06
TD	2803 Side water tapping machine	6/30/2003	13,200.00	2,134.00		211.75	2,345.75
TD	2804 L V ResidualsMgt	12/19/2003	348,038.23	52,785.78		5,583.12	58,368.90
TD	2817 Reconst of East Main Road	9/12/2007	21,268.79	1,630.62		341.21	1,971.83
TD	2820 Special Detail - Ocean Ave	8/28/2007	6,025.00	471.96		96.64	568.60
TD	2821 Fluid Conservation Systems	6/30/2006	29,900.00	3,039.83		479.64	3,519.47
TD	2822 Reservoir Tank Improve	5/31/2006	443,675.00	45,846.42		7,117.30	52,963.72
TD	2824 Ocean Dr water mains Phase 3	6/30/2007	76,143.17	6,218.35		1,221.47	7,439.82
TD	2825 Booster station	1/1/1967	77,956.36	77,956.36		-	77,956.36
TD	2826 Reservoir Road Standpipe	3/3/1967	185,675.00	185,675.00		-	185,675.00
TD	2827 Goulart Lane Standpipe	10/28/1967	134,123.00	134,123.00		-	134,123.00
TDP	2828 Treated water pump	10/4/1973	465,883.33	439,677.39	PUMP	9,341.93	449,019.32
TD	2829 Painting of Water Tank	6/6/1985	106,535.00	69,469.70		2,136.27	71,605.97
TD	2830 Distribution Standpipes	6/30/1986	80,817.53	50,679.37		1,620.56	52,299.93
TD	2831 Leak detection survey	6/30/2003	12,070.00	2,439.15		242.04	2,681.19
TD	2921 Ocean Dr water mains Phase 3	10/29/2007	64,010.60	4,800.79		1,026.84	5,827.63
TD	2922 Ocean Dr water mains Phase 3	11/16/2007	129,205.55	9,475.07		2,072.66	11,547.73
TD	2925 Special Detail - Ocean Ave	10/29/2007	12,950.00	971.25		207.74	1,178.99
TD	2926 Special Detail - Ocean Ave	11/30/2007	800.00	58.67		12.83	71.50
TD	2927 Special Detail - Ocean Ave	11/30/2007	3,150.00	231.00		50.53	281.53
TD	2928 Special Detail - Ocean Ave	11/30/2007	325.00	23.83		5.20	29.03
TD	2929 Special Detail - Ocean Ave	11/30/2007	1,950.00	143.00		31.28	174.28
TD	2930 Special Detail - Ocean Ave	12/21/2007	1,700.00	121.83		27.27	149.10
TD	2931 Trench and Sidewalk Restor	11/16/2007	11,830.92	867.61		189.81	1,057.42
TD	2932 Trench and Sidewalk Restor	12/21/2007	38,340.10	2,747.70		615.04	3,362.74
TD	2933 Trench and Sidewalk Restor	12/21/2007	792.00	56.76		12.71	69.47
TD	3306 Reconst of East Main Road	6/30/2008	1,500.00	92.50		24.06	116.56
TD	3308 Ocean Dr water mains Phase 3	6/30/2008	7,192.13	443.51		115.39	558.90
TD	3309 Ocean Dr water mains Phase 3	6/30/2008	79,120.31	4,879.10		1,269.25	6,148.35
TD	3310 Trench and Sidewalk Restor	6/30/2008	2,640.58	162.83		42.35	205.18
TD	3311 Trench and Sidewalk Restor	6/30/2008	14,800.00	912.67		237.44	1,150.11
TD	3370 Trench and Sidewalk Restor	2/27/2009	20,506.18	991.12		328.97	1,320.09
TD	3371 Trench and Sidewalk Restor	2/27/2009	36,863.42	1,781.74		591.36	2,373.10
TD	3372 Spec Det Trench Rest	2/27/2009	750.00	36.25		12.03	48.28
TD	3373 Spec Det Trench Rest	2/27/2009	425.00	20.54		6.83	27.37
TD	3377 Trench and Sidewalk Restor	2/27/2009	3,019.45	364.84		121.08	485.92
TD	3378 Trench and Sidewalk Restor	2/27/2009	1,001.56	121.03		40.16	161.19
TD	3541 Spec Det Trench Rest	6/25/2009	700.00	29.17		11.25	40.42
TD	3682 Spec Det Trench Rest	10/1/2009	1,425.00	49.88		22.87	72.75
TD	3805 Trench and Sidewalk Restor	1/1/2010	57,294.41	4,297.08		2,297.76	6,594.84
TD	3806 Trench and Sidewalk Restor	1/1/2010	3,566.39	267.48		143.03	410.51
TD	3808 Reconst of East Main Road	1/1/2010	530.28	15.92		8.51	24.43
TD	3812 Spec Det Trench Rest	1/1/2010	2,125.00	63.75		34.07	97.82
TD	3813 Spec Det Trench Rest	1/1/2010	450.00	13.50		7.22	20.72
TD	3814 Spec Det Trench Rest	1/1/2010	1,575.00	47.25		25.27	72.52
TD	4067 Trench and Sidewalk Restor	6/30/2010	3,203.20	173.51		128.48	301.99
TD	4216 Sherman St Main Improve	12/1/2010	1,662.83	48.50		66.70	115.20
TD	4217 Sherman St Main Improve	12/1/2010	4,148.60	121.00		166.39	287.39
TD	4218 Spec Det Trench Rest	12/1/2010	400.00	4.67		6.44	11.11
TD	4399 Sherman St Main Improve	2/28/2011	1,662.82	34.64		66.70	101.34
TD	4436 Trench and Sidewalk Restor	5/1/2011	12,179.00	40.60		195.39	235.99
TD	4437 Trench and Sidewalk Restor	5/1/2011	14,215.04	47.38		228.02	275.40
TD	4441 Spec Det Trench Rest	5/1/2011	950.00	3.17		15.24	18.41
TD	4468 Spec Det Trench Rest	6/3/2011	800.00	1.33		12.83	14.16
TD	4469 Spec Det Trench Rest	6/3/2011	1,225.00	2.04		19.64	21.68
TD	4510 Spec Det Trench Rest	6/4/2011	1,250.00	2.08		20.05	22.13
TD	4511 Sherman St Water Mains Spc Det	6/1/2011	404.08	0.67		6.48	7.15

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TD	4512 Sherman St Water Mains Spc Det	6/1/2011	1,240.60	2.07		19.92	21.99
TD	4513 Sherman St Water Mains Spc Det	6/4/2011	1,063.37	1.77		17.05	18.82
TD	4514 Sherman St Water Mains Spc Det	6/18/2011	1,056.28	1.76		16.94	18.70
TD	4515 Sherman St Main Improve	6/1/2011	2,488.97	10.37		99.81	110.18
TD	4516 Sherman St Main Improve	6/28/2011	5,781.73	24.09		231.87	255.96
TD	4517 Sherman St Main Improve	6/2/2011	16,813.90	70.06		674.33	744.39
TD	4623 Sherman St Main Improve	6/30/2011	31,537.58	131.41		1,264.81	1,396.22
TD	4669 Gard-Paradise Water Main Proj	6/24/2011	31,500.00	-		-	-
TD	4670 Trench and Sidewalk Restor	6/30/2011	34,942.79	58.24		560.56	618.80
TD	4671 Trench and Sidewalk Restor	6/30/2011	580.80	0.97		9.34	10.31
TD	4672 Trench and Sidewalk Restor	6/30/2011	2,648.80	4.42		42.50	46.92
TD	4683 Sherman St Main Improve	6/30/2011	6,025.42	25.11		241.66	266.77
TD	4703 Distribution Improvements SRF	6/30/2011	2,415,676.01	4,026.13		38,751.49	42,777.62
TD	Sherman St Main Improve	FY 2012	68,251.98	-		-	-
TD	Distribution Improvements SRF	FY 2012	153,135.37	-		-	-
TD	Gard-Paradise Water Main Proj	FY 2012	49,881.95	-		-	-
TD	Trench and Sidewalk Restor	FY 2012	79,084.91	-		-	-
TDP	2771 Rebuild Booster Pump	2/25/2002	12,566.00	12,566.00	PUMP	-	12,566.00
TDP	2772 Electric Pumping Equipment	6/30/1980	388,221.88	388,221.88	PUMP	-	388,221.88
TDP	2773 Electric Pumping Equipment	6/30/1987	14,700.00	11,800.83	PUMP	393.02	12,193.85
TD	3681 XTS1500 870 MHz Radios	10/1/2009	9,797.72	1,714.60		785.88	2,500.48
TD	4068 Blackmer Pump System	6/30/2010	24,958.00	901.26	NOT PUMP	667.30	1,568.56
TD	2883 2001 Freightliner	4/13/2000	41,360.00	41,360.00		-	41,360.00
TD	2884 2000 Ford Taurus (1/2)	3/7/2000	7,548.50	7,548.50		-	7,548.50
TD	2890 GCW Pick-up truck	6/30/2001	64,960.00	64,960.00		-	64,960.00
TD	4084 2010 Hydrant Truck	6/30/2010	52,713.00	9,517.63		7,046.71	16,564.34
TD	4219 2011 Dump Truck Freightliner	12/1/2010	94,868.00	9,223.28		12,682.00	21,905.28
TD	2885 2000 Chevy Truck C3500	5/6/2000	19,889.00	19,889.00		-	19,889.00
			-	-		-	-
			-	-		-	-
			-	-		-	-
			-	-		-	-
			-	-		-	-
			-	-		-	-
			89,668,624.88	22,401,674.56		1,059,548.09	23,461,222.65

	Docket 4243		Supplemental Rebuttal		With Revised Assets		
	Rates	Cost of Service	Proposed Rates	% Change	Proposed Rates	% Change	
<b>Base Charge (per bill)</b>							
<b>Monthly</b>							
5/8	\$ 18.75	\$ 7,8168	\$ 7.82	-58%	\$ 7.78	-59%	
3/4	\$ 18.75	7,9053	7.91	-58%	7.87	-58%	
1	\$ 18.75	8,6367	8.64	-54%	8.60	-54%	
1.5	\$ 18.75	10,4910	10.50	-44%	10.45	-44%	
2	\$ 18.75	12,2880	12.29	-34%	12.24	-35%	
3	\$ 18.75	22,1181	22.12	18%	22.05	18%	
4	\$ 18.75	24,7739	24.78	32%	24.71	32%	
5	\$ 18.75	28,3150	28.32	51%	28.24	51%	
6	\$ 18.75	30,9709	30.98	65%	30.89	65%	
8	\$ 18.75	38,0531	38.06	103%	37.96	102%	
10	\$ 18.75	50,8897	50.89	171%	50.78	171%	
<b>Quarterly</b>							
5/8	\$ 18.75	\$ 10,6705	\$ 10.68	-43%	\$ 10.63	-43%	
3/4	\$ 18.75	10,9361	10.94	-42%	10.89	-42%	
1	\$ 18.75	13,1302	13.14	-30%	13.08	-30%	
1.5	\$ 18.75	18,6932	18.70	0%	18.63	-1%	
2	\$ 18.75	24,0843	24.09	28%	24.02	28%	
3	\$ 18.75	53,5744	53.58	186%	53.45	185%	
4	\$ 18.75	61,5419	61.55	228%	61.41	228%	
5	\$ 18.75	72,1653	72.17	285%	72.01	284%	
6	\$ 18.75	80,1328	80.14	327%	79.97	327%	
8	\$ 18.75	101,3796	101.38	441%	101.18	440%	
10	\$ 18.75	139,8893	139.89	646%	139.63	645%	
<b>Volume Charge (per 1,000 gallons)</b>							
<b>Retail</b>							
Residential	\$ 6.43	\$ 8,2307	\$ 8.24	28%	\$ 8.24	28%	
Non-Residential	\$ 6.43	\$ 9,0499	\$ 9.05	41%	\$ 9.06	41%	
<b>Wholesale</b>							
Navy	\$ 3,9540	\$ 5,8058	\$ 5,8059	47%	\$ 5,7867	46%	
Portsmouth Water & Fire D	\$ 3,152	\$ 4,3432	\$ 4,3432	38%	\$ 4,3172	37%	
<b>Fire Protection</b>							
Public (per hydrant)	\$ 1,065.00	\$ 637.71	\$ 637.72	-40%	\$ 649.48	-39%	
<b>Private (by Connection Size) (2)</b>							
Connection Size	Existing		Change		Differential		
	Size	Differential					
<2		\$21.00	\$ 18.44	\$ 18.44	-12%	\$ 18.47	-12%
2	111.31	\$88.00	\$ 77.25	\$ 77.26	-12%	\$ 77.40	-12%
4	111.31	\$541.00	\$ 269.51	\$ 269.52	-50%	\$ 270.94	-50%
6	111.31	\$1,063.00	\$ 633.79	\$ 633.80	-41%	\$ 636.29	-41%
8	0.00	\$2,478.00	\$ 1,262.11	\$ 1,262.11	-49%	\$ 1,271.89	-49%
10	0.00	\$4,091.00	\$ 2,207.22	\$ 2,207.22	-46%	\$ 2,224.96	-46%
12	0.00	\$6,568.00	\$ 3,517.11	\$ 3,517.11	-46%	\$ 3,545.87	-46%

Total Projected Rate Revenues **Not** Projected Rate Revenues

**CERTIFICATION**

I hereby certify that on January 30, 2013, I sent a copy of the within to all parties set forth on the attached Service List by electronic mail and copies to Luly Massaro, Commission Clerk, by electronic mail and regular mail.

<b>Parties/Address</b>	<b>E-mail Distribution</b>	<b>Phone</b>
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STATE OF RHODE ISLAND  
PUBLIC UTILITIES COMMISSION  
DOCKET NO. 4355  
Response Of The City Of Newport,  
Utilities Division, Water Department  
To The Portsmouth Water and Fire District's  
Data Requests  
Set 2

Dr. Kay Davoodi, P.E. Utility Rates and Studies Office NAVFACHQ- Building 33 1322 Patterson Ave SE Washington Navy Yard, D.C. 20374-5065	<a href="mailto:Khojasteh.davoodi@navy.mil">Khojasteh.davoodi@navy.mil</a>	202-685-3319
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