Appendix I2
Valuation Analysis of Pipeline Assets

CITY OF CHULA VISTA
PIPELINE FIXED ASSETS

Year	Pipe ID	Replacement Cost in 2002 $	Replacement Cost 2004 Present Value	Cost at Year Built	Historical Cost 2004 Present Value	Useful Life	Age	Yrs depreciated	Annual Depreciation	$$ Depreciation	Adjusted Depreciation	Depreciated Historical Cost at Present Value
1911	4	$44,246	$45,017	$634	$47,751	40	93	40	$16	$634	$47,751	$0
1911	4	$59,674	$60,714	$855	$64,397	40	93	40	$21	$855	$64,397	$0
1911	6	$2,575,548	$2,620,436	$36,897	$2,778,997	40	93	40	$922	$36,897	$2,778,997	$0
1911	8	$46,454,665	$47,264,307	$665,512	$50,124,833	40	93	40	$16,638	$665,512	$50,124,833	$0
1911	10	$3,097,151	$3,151,130	$44,370	$3,341,846	40	93	40	$1,109	$44,370	$3,341,846	$0
1911	12	$3,877,696	$3,945,279	$55,552	$4,184,049	40	93	40	$1,389	$55,552	$4,184,049	$0
1911	15	$2,095,228	$2,131,745	$30,016	$2,260,736	40	93	40	$750	$30,016	$2,260,736	$0
1911	18	$2,057,433	$2,093,291	$29,475	$2,219,989	40	93	40	$737	$29,475	$2,219,989	$0
1911	21	$1,212,183	$1,233,310	$17,366	$1,307,967	40	93	40	$434	$17,366	$1,307,967	$0
1911	24	$213,935	$217,664	$3,065	$230,849	40	93	40	$77	$3,065	$230,849	$0
1949	6	$122,008	$124,134	$8,965	$136,685	40	55	40	$224	$8,965	$136,685	$0
1949	8	$1,690,638	$1,720,104	$124,226	$1,894,011	40	55	40	$3,106	$124,226	$1,894,011	$0
1949	10	$238,579	$242,737	$17,530	$267,271	40	55	40	$438	$17,530	$267,271	$0
1953	8	$986,770	$1,003,968	$91,203	$1,097,316	40	51	40	$2,280	$91,203	$1,097,316	$0
1953	12	$11,389	$11,587	$1,053	$12,669	40	51	40	$26	$1,053	$12,669	$0
1953	18	$44,539	$45,315	$4,117	$49,534	40	51	40	$103	$4,117	$49,534	$0
1954	4	$35,026	$35,636	$3,388	$38,257	40	50	40	$85	$3,388	$38,257	$0
1954	6	$583,436	$593,605	$56,441	$637,332	40	50	40	$1,411	$56,441	$637,332	$0
1954	8	$5,390,122	$5,484,065	$521,437	$5,888,071	40	50	40	$13,036	$521,437	$5,888,071	$0
1955	6	$89,354	$90,911	$9,085	$96,647	40	49	40	$227	$9,085	$96,647	$0
1955	8	$984,149	$1,001,301	$100,057	$1,064,416	40	49	40	$2,501	$100,057	$1,064,416	$0
1956	8	$1,794,926	$1,826,209	$191,336	$1,971,407	40	48	40	$4,783	$191,336	$1,971,407	$0
1956	12	$109,146	$111,048	$11,635	$119,880	40	48	40	$291	$11,635	$119,880	$0
1956	18	$220,294	$224,133	$23,483	$241,954	40	48	40	$587	$23,483	$241,954	$0
1956	21	$85,106	$86,589	$9,072	$93,472	40	48	40	$227	$9,072	$93,472	$0
1957	8	$4,151,970	$4,224,333	$463,059	$4,482,846	40	47	40	$11,576	$463,059	$4,482,846	$0
1958	8	$45,863	$46,662	$5,362	$49,011	40	46	40	$134	$5,362	$49,011	$0
1958	4	$30,226	$30,753	$3,534	$32,303	40	46	40	$88	$3,534	$32,303	$0
1958	8	$11,943,584	$12,151,745	$1,396,433	$12,764,092	40	46	40	$34,911	$1,396,433	$12,764,092	$0
1958	15	$382,335	$388,999	$44,702	$408,599	40	46	40	$1,118	$44,702	$408,599	$0
1958	18	$959,795	$976,523	$112,218	$1,025,728	40	46	40	$2,805	$112,218	$1,025,728	$0
1959	4	$58,693	$59,716	$7,206	$62,528	40	45	40	$180	$7,206	$62,528	$0
1959	6	$78,884	$80,259	$9,685	$84,038	40	45	40	$242	$9,685	$84,038	$0
1959	8	$12,296,659	$12,510,973	$1,509,694	$13,099,848	40	45	40	$37,742	$1,509,694	$13,099,848	$0
1959	12	$197,273	$200,711	$24,220	$210,161	40	45	40	$606	$24,220	$210,161	$0
1959	15	$491,688	$500,257	$60,366	$523,805	40	45	40	$1,509	$60,366	$523,805	$0
1959	18	$323,339	$328,974	$39,697	$344,457	40	45	40	$992	$39,697	$344,457	$0
1960	4	$63,214	$64,316	$8,024	$67,075	40	44	40	$201	$8,024	$67,075	$0
1960	8	$1,188,686	$1,209,403	$150,882	$1,261,275	40	44	40	$3,772	$150,882	$1,261,275	$0
1960	10	$129,857	$132,120	$16,483	$137,787	40	44	40	$412	$16,483	$137,787	$0
1960	12	$259,358	$263,878	$32,921	$275,198	40	44	40	$823	$32,921	$275,198	$0
1961	8	$7,838	$7,975	$1,023	$8,197	40	43	40	$26	$1,023	$8,197	$0
1961	4	$65,607	$66,750	$8,560	$68,587	40	43	40	$214	$8,560	$68,587	$0
1961	6	$50,656	$51,539	$6,609	$52,955	40	43	40	$165	$6,609	$52,955	$0
1961	8	$11,202,450	$11,397,694	$1,461,638	$11,711,406	40	43	40	$36,541	$1,461,638	$11,711,406	$0
1961	10	$284,155	$289,107	$37,075	$297,064	40	43	40	$927	$37,075	$297,064	$0
1961	12	$158,524	$161,287	$20,683	$165,723	40	43	40	$517	$20,683	$165,723	$0
1961	15	$667,280	$678,910	$87,063	$697,594	40	43	40	$2,177	$87,063	$697,594	$0
1962	4	$35,026	$35,636	$4,705	$37,107	40	42	40	$118	$4,705	$37,107	$0
1962	6	$8,476	$8,624	$1,139	$8,983	40	42	40	$28	$1,139	$8,983	$0
1962	8	$4,092,919	$4,164,253	$549,785	$4,335,973	40	42	40	$13,745	$549,785	$4,335,973	$0
1962	10	$47,392	$48,218	$6,366	$50,207	40	42	40	$159	$6,366	$50,207	$0
1963	4	$96,259	$97,937	$13,360	$101,538	40	41	40	$334	$13,360	$101,538	$0
1963	8	$11,254,094	$11,450,238	$1,561,992	$11,871,407	40	41	40	$39,050	$1,561,992	$11,871,407	$0
1963	10	$86,514	$88,022	$12,008	$91,263	40	41	40	$300	$12,008	$91,263	$0

CITY OF CHULA VISTA
PIPELINE FIXED ASSETS

Year	Pipe ID	Replacement Cost in 2002 $	Replacement Cost 2004 Present Value	Cost at Year Built	Historical Cost 2004 Present Value	Useful Life	Age	Yrs depreciated	Annual Depreciation	$$ Depreciation	Adjusted Depreciation	Depreciated Historical Cost at Present Value
1963	12	$186,358	$189,606	$25,865	$196,578	40	41	40	$647	$25,865	$196,578	$0
1963	18	$359,348	$365,611	$49,875	$379,059	40	41	40	$1,247	$49,875	$379,059	$0
1963	21	$851,992	$866,841	$118,251	$898,728	40	41	40	$2,956	$118,251	$898,728	$0
1964	8	$130,887	$133,168	$18,872	$139,764	40	40	40	$472	$18,872	$139,764	$0
1964	8	$732,961	$745,736	$105,682	$782,667	40	40	40	$2,642	$105,682	$782,667	$0
1964	12	$140,450	$142,898	$20,251	$149,976	40	40	40	$506	$20,251	$149,976	$0
1965	4	$35,026	$35,636	$5,239	$36,878	40	39	39	$131	$5,108	$35,956	$922
1965	8	$356,129	$362,336	$53,268	$374,955	40	39	39	$1,332	$51,936	$365,582	$9,374
1966	8	$37,610	$38,265	$5,904	$39,492	40	38	38	$148	$5,609	$37,517	$1,975
1966	4	$94,962	$96,617	$14,906	$99,706	40	38	38	$373	$14,161	$94,720	$4,985
1966	8	$4,302,037	$4,377,016	$675,292	$4,517,002	40	38	38	$16,882	$641,527	$4,291,152	$225,850
1966	15	$159,650	$162,432	$25,060	$167,625	40	38	38	$627	$23,807	$159,244	$8,381
1967	6	$108,447	$110,337	$17,942	$114,327	40	37	37	$449	$16,596	$105,753	$8,575
1967	8	$1,428,033	$1,452,922	$236,258	$1,505,449	40	37	37	$5,906	$218,539	$1,392,540	$112,909
1967	21	$122,935	$125,078	$20,339	$129,601	40	37	37	$508	$18,814	$119,881	$9,720
1968	4	$2,084	$2,120	$371	$2,192	40	36	36	$9	$334	$1,972	$219
1968	8	$351,600	$357,728	$62,557	$369,541	40	36	36	$1,564	$56,301	$332,587	$36,954
1968	10	$102,917	$104,711	$18,311	$108,168	40	36	36	$458	$16,480	$97,351	$10,817
1969	8	$1,766,782	$1,797,575	$345,373	$1,987,219	40	35	35	$8,634	$302,201	$1,738,817	$248,402
1969	12	$257,444	$261,931	$50,326	$289,567	40	35	35	$1,258	$44,035	$253,372	$36,196
1970	8	$4,094	$4,165	$871	$4,426	40	34	34	$22	$740	$3,762	$664
1970	6	$73,927	$75,215	$15,727	$79,921	40	34	34	$393	$13,368	$67,933	$11,988
1970	8	$3,319,870	$3,377,731	$706,250	$3,589,013	40	34	34	$17,656	$600,313	$3,050,661	$538,352
1970	10	$217,396	$221,185	$46,248	$235,023	40	34	34	$1,156	$39,311	$199,769	$35,253
1970	12	$40,509	$41,215	$8,618	$43,795	40	34	34	$215	$7,325	$37,226	$6,569
1970	15	$164,930	$167,805	$35,086	$178,300	40	34	34	$877	$29,823	$151,555	$26,745
1971	8	$494,849	$503,474	$120,517	$532,635	40	33	33	$3,013	$99,427	$439,424	$93,211
1971	4	$107,342	$109,213	$26,142	$115,537	40	33	33	$654	$21,567	$95,318	$20,219
1971	6	$98,457	$100,173	$23,979	$105,977	40	33	33	$599	$19,783	$87,431	$18,546
1971	8	$22,245,933	$22,633,650	$5,417,839	$23,944,605	40	33	33	$135,446	$4,469,717	$19,754,299	$4,190,306
1971	10	$1,375,477	$1,399,450	$334,988	$1,480,508	40	33	33	$8,375	$276,365	$1,221,419	$259,089
1971	12	$505,101	$513,904	$123,014	$543,671	40	33	33	$3,075	$101,487	$448,529	$95,142
1971	15	$3,154,294	$3,209,269	$768,206	$3,395,152	40	33	33	$19,205	$633,770	$2,801,001	$594,152
1971	21	$287,387	$292,396	$69,991	$309,331	40	33	33	$1,750	$57,743	$255,198	$54,133
1972	8	$3,868,024	$3,935,438	$1,044,515	$4,001,916	40	32	32	$26,113	$835,612	$3,201,533	$800,383
1972	12	$124,178	$126,342	$33,533	$128,477	40	32	32	$838	$26,826	$102,782	$25,695
1973	8	$955,044	$971,689	$278,789	$1,045,090	40	31	31	$6,970	$216,061	$809,945	$235,145
1973	6	$129,773	$132,035	$37,882	$142,007	40	31	31	$947	$29,359	$110,056	$31,952
1973	8	$2,765,370	$2,813,567	$807,246	$3,026,106	40	31	31	$20,181	$625,616	$2,345,232	$680,874
1973	12	$519,419	$528,472	$151,625	$568,393	40	31	31	$3,791	$117,509	$440,505	$127,889
1973	15	$529,881	$539,116	$154,679	$579,842	40	31	31	$3,867	$119,876	$449,377	$130,464
1974	8	$1,436,158	$1,461,188	$446,886	$1,476,467	40	30	30	$11,172	$335,165	$1,107,350	$369,117
1974	10	$53,173	$54,100	$16,546	$54,666	40	30	30	$414	$12,410	$41,000	$13,667
1975	8	$48,820	$49,671	$16,635	$48,451	40	29	29	$416	$12,060	$35,127	$13,324
1976	8	$237,139	$241,272	$87,708	$225,974	40	28	28	$2,193	$61,396	$158,182	$67,792
1977	8	$1,971,980	$2,006,349	$782,514	$1,864,068	40	27	27	$19,563	$528,197	$1,258,246	$605,822
1978	5	$374,707	$381,238	$160,234	$352,750	40	26	26	$4,006	$104,152	$229,287	$123,462
1978	18	$50,518	$51,398	$21,603	$47,558	40	26	26	$540	$14,042	$30,913	$16,645
1981	8	$656,228	$667,665	$357,345	$594,011	40	23	23	$8,934	$205,473	$341,556	$252,455
1981	8	$15,928,414	$16,206,025	$8,673,722	$14,418,242	40	23	23	$216,843	$4,987,390	$8,290,489	$6,127,753
1981	10	$909,601	$925,454	$495,318	$823,362	40	23	23	$12,383	$284,808	$473,433	$349,929
1981	12	$1,915,543	$1,948,928	$1,043,097	$1,733,930	40	23	23	$26,077	$599,781	$997,010	$736,920
1981	15	$254,676	$259,115	$138,682	$230,530	40	23	23	$3,467	$79,742	$132,555	$97,975
1982	4	$65,639	$66,783	$38,676	$59,037	40	22	22	$967	$21,272	$32,471	$26,567
1982	8	$6,107,464	$6,213,909	$3,598,619	$5,493,150	40	22	22	$89,965	$1,979,240	$3,021,232	$2,471,917

CITY OF CHULA VISTA
PIPELINE FIXED ASSETS

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1982	12	$1,373,600	$1,397,540	$809,348	$1,235,438	40	22	22	$20,234	$445,141	$679,491	$555,947
1983	8	$220,891	$224,741	$138,353	$205,779	40	21	21	$3,459	$72,635	$108,034	$97,745
1983	6	$11,374	$11,572	$7,124	$10,596	40	21	21	$178	$3,740	$5,563	$5,033
1983	8	$15,849,945	$16,126,188	$9,927,473	$14,765,614	40	21	21	$248,187	$5,211,923	$7,751,947	$7,013,666
1983	10	$1,366,165	$1,389,975	$855,685	$1,272,702	40	21	21	$21,392	$449,235	$668,169	$604,533
1983	12	$1,204,385	$1,225,376	$754,356	$1,121,990	40	21	21	$18,859	$396,037	$589,045	$532,945
1983	14	$240,871	$245,069	$150,867	$224,392	40	21	21	$3,772	$79,205	$117,806	$106,586
1983	15	$1,235,841	$1,257,380	$774,058	$1,151,294	40	21	21	$19,351	$406,380	$604,429	$546,865
1984	8	$229,802	$233,807	$146,766	$210,156	40	20	20	$3,669	$73,383	$105,078	$105,078
1985	8	$372,652	$379,147	$240,812	$332,999	40	19	19	$6,020	$114,386	$158,174	$174,824
1985	4	$192,923	$196,285	$124,669	$172,394	40	19	19	$3,117	$59,218	$81,887	$90,507
1985	6	$417,067	$424,336	$269,514	$372,688	40	19	19	$6,738	$128,019	$177,027	$195,661
1985	8	$22,215,551	$22,602,738	$14,355,973	$19,851,669	40	19	19	$358,899	$6,819,087	$9,429,543	$10,422,126
1985	10	$1,989,118	$2,023,786	$1,285,394	$1,777,463	40	19	19	$32,135	$610,562	$844,295	$933,168
1985	12	$3,825,048	$3,891,713	$2,471,795	$3,418,038	40	19	19	$61,795	$1,174,103	$1,623,568	$1,794,470
1985	15	$2,544,263	$2,588,606	$1,644,135	$2,273,536	40	19	19	$41,103	$780,964	$1,079,930	$1,193,606
1985	18	$1,708,704	$1,738,484	$1,104,186	$1,526,886	40	19	19	$27,605	$524,488	$725,271	$801,615
1985	21	$463,113	$471,184	$299,270	$413,835	40	19	19	$7,482	$142,153	$196,572	$217,264
1986	8	$621,213	$632,040	$411,005	$567,770	40	18	18	$10,275	$184,952	$255,496	$312,273
1986	12	$48,058	$48,896	$31,796	$43,924	40	18	18	$795	$14,308	$19,766	$24,158
1987	6	$139,430	$141,860	$94,634	$130,205	40	17	17	$2,366	$40,219	$55,337	$74,868
1987	8	$1,642,304	$1,670,927	$1,114,658	$1,533,638	40	17	17	$27,866	$473,730	$651,796	$881,842
1987	10	$250,626	$254,994	$170,104	$234,043	40	17	17	$4,253	$72,294	$99,468	$134,575
1987	15	$116,174	$118,199	$78,849	$108,487	40	17	17	$1,971	$33,511	$46,107	$62,380
1989	8	$475,584	$483,873	$338,098	$439,823	40	15	15	$8,452	$126,787	$164,934	$274,890
1989	6	$133,850	$136,183	$95,156	$123,786	40	15	15	$2,379	$35,684	$46,420	$77,366
1989	8	$5,964,646	$6,068,602	$4,240,333	$5,516,145	40	15	15	$106,008	$1,590,125	$2,068,555	$3,447,591
1989	12	$40,841	$41,553	$29,034	$37,770	40	15	15	$726	$10,888	$14,164	$23,606
1989	14	$293,240	$298,351	$208,467	$271,190	40	15	15	$5,212	$78,175	$101,696	$169,494
1989	15	$486,912	$495,398	$346,151	$450,299	40	15	15	$8,654	$129,807	$168,862	$281,437
1990	4	$55,805	$56,778	$40,679	$51,111	40	14	14	$1,017	$14,238	$17,889	$33,222
1990	6	$325,993	$331,675	$237,627	$298,563	40	14	14	$5,941	$83,169	$104,497	$194,066
1990	8	$1,381,347	$1,405,422	$1,006,911	$1,265,119	40	14	14	$25,173	$352,419	$442,792	$822,328
1990	10	$620,953	$631,775	$452,634	$568,706	40	14	14	$11,316	$158,422	$199,047	$369,659
1990	15	$106,527	$108,384	$77,651	$97,564	40	14	14	$1,941	$27,178	$34,147	$63,416
1992	10	$91,744	$93,343	$70,451	$83,581	40	12	12	$1,761	$21,135	$25,074	$58,507
1992	12	$59,701	$60,742	$45,845	$54,389	40	12	12	$1,146	$13,754	$16,317	$38,073
1994	8	$2,039,180	$2,074,720	$1,698,775	$1,958,500	40	10	10	$42,469	$424,694	$489,625	$1,468,875
1994	15	$523,812	$532,941	$436,371	$503,088	40	10	10	$10,909	$109,093	$125,772	$377,316
1996	8	$105,325	$107,161	$91,182	$104,714	40	8	8	$2,280	$18,236	$20,943	$83,771
2000	8	$47,446	$48,273	$45,468	$48,476	40	4	4	$1,137	$4,547	$4,848	$43,628
2000	10	$249,588	$253,938	$239,181	$255,003	40	4	4	$5,980	$23,918	$25,500	$229,503
2000	12	$370,624	$377,083	$355,171	$378,666	40	4	4	$8,879	$35,517	$37,867	$340,800
2000	15	$400,613	$407,595	$383,909	$409,306	40	4	4	$9,598	$38,391	$40,931	$368,375
2002	Telegraph**	$3,600,000	$3,662,743	$3,600,000	$3,662,743	40	2	2	$90,000	$180,000	$183,137	$3,479,606
2003	G Street Trunk Sewer*	$796,000	$809,873	$796,000	$796,000	40	1	1	$19,900	$19,900	$19,900	$776,100
2004	Master Plan*	$568,100	$578,001	$568,100	$568,100	5	0	0	$113,620	$0	$0	$568,100
2000	Poggi*	$1,066,152	$1,066,152	$1,000,000	$1,066,152	40	4	4	$25,000	$100,000	$106,615	$959,537
2004	Salt Creek (9B&9B')*	$11,600,000	$11,600,000	$11,600,000	$11,600,000	40	0	0	$290,000	$0	$0	$11,600,000
Totals		$306,933,923	$312,062,616	$102,930,552	$311,821,843							$72,996,399

* data provided by City. All other pipe ID and year data provided from MuniFinancial report

**Telegraph Canyon includes City project costs paid from Trunk Sewer Fund as well as $1.4 million from Trunk Sewer Reserve Fund to Telegraph Canyon DIF.