

DRAPER IRRIGATION COMPANY

CULINARY WATER MASTER PLAN UPDATE

2003

Master Planning

October, 2003

EPIC ENGINEERING, P.C.
Consulting Engineers
2880 W. 4700 S., Suite D
West Valley City, Utah 84118

ACKNOWLEDGMENTS

Successful completion of this study was made possible by the cooperation and assistance of the Draper Irrigation Company Staff, as shown below. We sincerely appreciate the cooperation and assistance provided by these individuals.

Draper Irrigation Company

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EXECUTIVE SUMMARY

Culinary Water Rates

No Rate increase is recommended. Review of current growth, water usage, operation and management costs, and system improvements costs shows that the current water rate structure and values will continue to provide sufficient income to cover Culinary Water System costs through the year 2010. Therefor, currently there is no need for any increase in water rates.

Culinary Impact Fees

No Fee increase is recommended. Review of current growth, recent fee usage for capital facility projects, current impact fee balance, and update of projected capital facility improvements shows that the current Impact Fee structure and values will continue to provide sufficient income to cover the Impact Fee portion of the Water Treatment Plant Upgrade loan payback plus other identified Capital Improvement projects through the year 2010. Therefor, currently there is no need for any increase in Culinary Water Impact Fees.

Culinary Water Development Fees

A Development Fee increase is recommended for the review of Subdivisions without Pressure Irrigation service. Review of the amount of collected income from current development fees versus actual Subdivision review costs shows that there is not sufficient income for those Subdivisions with only culinary water service. Subdivisions with both culinary and pressure irrigation service are collecting sufficient funds to cover costs. Therefor, separate and increased fees for management costs and engineering review are proposed for Subdivision with only culinary water service.

CHAPTER 1

Culinary Water Master Plan Update - 2003

Introduction

Draper Irrigation Company had a Master Plan generated for its Culinary Water System in 2000 by Epic Engineering. The Company determined the need to annually update its Culinary Water Master Plan to evaluate and ensure the financial soundness of the culinary water system. The following is the annual Master Plan Update for the year 2003. Results and recommendations are presented based on information provided through the end of September 2003.

This Master Plan Update reviews current water rates and impact fees to determine the continued capability of the revenues to cover both the Operations, Maintenance, and Replacement (OMR); debt service; and Capital Improvement Project costs. OMR operations and spending will be discussed by analyzing actual costs incurred since 2000 and projecting OMR expenditures through the year 2010. The list of capital projects is updated with associated project costs and compared to projected impact fee income to determine if updated impact fees are required to fund the recommended improvements. Water rates will be reviewed and the future adjustments will be recommended to ensure that the Company will have sufficient revenue to remain financially healthy.

Scope

The Culinary Water Plan Update was completed under the direction of and cooperation of Company staff. Specific objectives and activities performed in the Master Plan Update include the following:

- a. Review Last Update
- b. Collect Information on Past Years Cost, User Growth, and Water Usage Data
- c. Update Culinary Water System Mapping
- d. Update System Growth
- e. Update System Water Usage
- f. Update Recent Income vs. Expenditures
- g. Recommend Water Rate Revisions, if Required
- h. Update Capital Improvements
- i. Complete new Impact Fee Enactment, if Required
- j. Review Development Fees and Update, if Required
- k. Prepare an Updated Master Plan Report

CHAPTER 2

Report Update and Recommended Improvements

Overview

This Master Plan Update provides a detailed look at the existing conditions of the Company and future conditions through to the year 2010. Impact fees are recalculated to reflect the updated list of recommended improvements. Lastly, water user rates are reviewed and adjustments are recommended to ensure that the Company will have sufficient revenue to remain financially healthy.

System User Analysis

The 2000 Master Plan projected a growth rate of 5% through the year 2010. The rate of connection increase since 2000 has been just over 5%, closely matching projections, as shown in the revised Table 4.2.

TABLE 4.2 (Revised)
Population (Draper City) and Connections (Draper Irrigation)
 1999-2020

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2020
Item	EXISTING					FUTURE							
Population	21,062	23,168	24,326	25,543	26,820	28,161	29,569	31,047	32,600	34,229	35,941	37,738	44,013
Pop. Increase	1,915	2,106	1,158	1,216	1,277	1,341	1,408	1,478	1,552	1,630	1,711	1,797	6,275
% Increase	10.00%	10.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	1.55%
Connections	4,774	5,275	5,627	5,878	6,160	6,468	6,791	7,131	7,488	7,862	8,255	8,668	10,109
Conn Increase	868	501	352	251	282	308	323	340	357	374	393	413	1,441
% Increase	22.22%	10.49%	6.67%	4.46%	4.80%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	1.55%

The number of connections is expected to continue to increase at a rate of 5% thru 2010 and then at a rate of 1.5% to the year 2020. Therefore, the projected growth rate of 5% will continue to be used through the year 2010. The Company's number of connections is expected to increase by approximately 3,949 connections by the year 2020. These 3,949 connections are used throughout this study for future connections and their associated impacts to the existing water system.

Water Usage

Monthly water usage for this year is compared to equivalent monthly totals for the years 2000 to 2002 in revised Table 5.1. Water usage from 2000 to 2002 increased by an annual average of 9.2% which is much greater than the 5% connection growth discussed above. This shows that the amount of water used per connection was increasing through 2002. This may be in part due to the drought that the area has been experiencing the past several years.

TABLE 5.1 (Revised)
Monthly and Annual water usage (Million Gallons) - 1999 thru 2002

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1999	42.398	38.151	48.322	47.109	106.473	176.110	232.832	166.656	152.055	124.888	65.924	47.316	1,248.233
2000	33.355	39.891	111.332	76.410	127.456	180.183	221.940	234.863	237.371	102.786	48.250	42.163	1,456.000
2001	38.294	37.836	56.873	58.047	236.777	191.589	227.679	227.834	206.052	156.359	72.985	10.830	1,521.155
2002	0.174	0.146	161.160	60.581	93.994	137.103	205.416	257.635	260.429	132.922	60.194	31.526	1,732.984
2003	39.121	38.772	71.291	52.697	82.746	206.128	227.474	227.297	171.436				1,152.718*
% Avg	137%	134%	76%	87%	59%	120%	102%	103%	80%				94.45%

* 2003 total water usage for 9 months through September

Table 5.1 shows that the amount of water used through nine months of 2003 is 1,152.718 million gallons. Assuming average usage through the three remaining months, the projected annual usage for 2003 will be about 1,377 million gallons. Table 5.1 shows that the water usage in 2003 is about 94% of the average usage from the previous four years. Though the total usage is down in 2003, the summer usage is comparable with previous years.

Residential Demands

The residential equivalent is the average residential demand per connection for a water system. The residential equivalent can be calculated simply by dividing the annual demand in a given year by the average number of connections for that year. The residential equivalent, or average residential demand, does change from year to year, but should remain relatively constant. Changes in average residential demand can be due to changes in factors such as building densities, income, water costs, and conservation awareness. The original 2000 Master Plan used 1999 as the base year and calculated the residential equivalent demand to be 715 gallons per day. This demand is lower than the State average of 750 gal/day*connection. The Average Residential Demands is calculated for the years 1999 thru 2002 in the revised Table 5.3 to normalize average demands over a broader period of time.

TABLE 5.2 (Revised)
Average Residential Culinary Water Demands

Year	1999	2000	2001	2002
Average Residential Connections*	4,774	5,180	5,627	5,878
Total Annual culinary Water Usage (MG)	1,248	1,456	1,521	1,733
Unit Usage (Gal/Connection-Day)	716	770	740	807
Average Unit Usage**	758			

* From Table 4.2

** Normalized over four years.

The average daily usage per person within the Company's service area has fluctuated over the past few years from 238 gallons per capita per day (716 gal/day/conn.) to 269 gallons per capita per day (807 gal/day/conn.) The average unit usage over these four years is 253 gallons per capita per day (758 gal/day/conn.). This amount is typical for a community along the Wasatch front when compared to 295 gal/cap/day for Salt Lake County and 308 gal/cap/day for Utah.

The Company's 2002 average daily water use per connection of 807 gallons is more than the metropolitan Utah average of approximately 750 gpd/connection. The increase in the average water usage rate may be due to the fact that most of the new residential growth has occurred in areas outside the service area of the Company's pressure irrigation system. Much of this new growth is also high income housing, with large yards.

Culinary Water Operation Costs

The Master Plan projected Operation costs to increase by 8 percent annually to the year 2010 and thereafter increase by 4.55 percent to the year 2020. Depreciation was assumed to increase by 3 percent every year. Direct costs were assumed to increase by 4 percent annually. The actual system costs for the years 2000 through 2002 are shown in the revised Table 6.1. The average annual increase in costs for each category is calculated in the last column of the Table.

The current cost of operating the culinary water system (2002 cost) is \$2,593,274, including depreciation. It is projected that system costs will increase to \$4,357,877 by the year 2010. Table 6.1 shows that direct costs have remained fairly level while operation costs have increased dramatically. Depreciation has increased by about 5 percent because of the 5 percent growth in the system.

TABLE 6.1 (Revised)
Culinary Water System Expenses

Category	2000	2001	2002	2003*	Inflation (%/yr)
Direct Costs	\$866,887	\$922,151	\$812,284	\$867,418	0.10%
Professional Cost	\$355,744	\$256,852	\$206,682	\$235,834	N/A
Operation Costs	\$838,876	\$1,431,307	\$1,329,655	\$1,783,583	28.6%
Depreciation	\$204,761	\$207,091	\$244,653	\$241,414	5.6%
TOTAL	\$2,266,268	\$2,817,401	\$2,593,274	\$3,128,249	11.3%

*Costs extrapolated from 2003 year to date expenses as of September 30.

There will be some new expenses starting in 2004. First, payments on the State Division of Drinking Water loan for upgrading the Water Treatment Plant will start in 2004. As discussed in the 2000 Master Plan, the water rates will pay for 80 percent of the loan. Impact money will pay for the other 20 percent of the loan. Second, implementation of fluoridating the water as required by the County will add annual fluoridation operation and maintenance costs. Third, the Company has planned several water system improvement projects over the next seven years to improve the operation of the system. Fourth, as discussed in the Water Rights Master Plan, the Company is pursuing the proofing of existing water rights and purchase of additional water rights. These costs and the annual increase in system expenses through the year 2010 are shown in the revised Table 6.2.

TABLE 6.2 (Revised)
Water System expense projections

Costs	2004	2005	2006	2007
Direct	\$1,147,382	\$1,193,278	\$1,241,009	\$1,290,649
Operation	\$1,555,696	\$1,680,152	\$1,814,564	\$1,959,729
Depreciation	\$248,656	\$256,116	\$263,799	\$271,713
WTP Upgrade	\$325,600	\$333,600	\$340,800	\$348,800
Water System Improvements	\$500,000	\$179,505	\$179,505	\$179,505
Fluoridation/Chlorination Improvements	\$250,000	\$0	\$0	\$0
Fluoridation O & M	\$104,820	\$110,061	\$115,564	\$121,343
Water Right Purchases	\$0	\$500,000	\$500,000	\$500,000
TOTAL	\$4,132,154	\$4,252,711	\$4,455,241	\$4,671,739

TABLE 6.2 (Continued)
Water System expense projections

Costs	2008	2009	2010

Direct	\$1,342,275	\$1,395,966	\$1,451,805
Operation	\$2,116,507	\$2,285,828	\$2,468,694
Depreciation	\$279,865	\$288,261	\$296,909
WTP Upgrade	\$356,800	\$365,600	\$373,600
Water System Improvements	\$179,505	\$179,505	\$179,505
Fluoridation/Chlorination Improvements	\$0	\$0	\$0
Fluoridation O & M	\$127,410	\$133,780	\$140,469
Water Right Purchases	\$500,000	\$250,000	\$250,000
TOTAL	\$4,902,362	\$4,898,940	\$5,160,982

Water system improvement projects include the construction of the Vista Villa Well and replacing touch read meter readers for improved system automation. The cost of the well is estimated to be about \$1,500,000 and is planned to be constructed in 2004. The Company will pay \$500,000 of the costs out of the water rate reserve and finance the other \$1,000,000 with a 10 year loan at about 5%. The resulting costs are shown in Table 6.3 below.

TABLE 6.3
Water System Improvement Projects

Project	2004	2005	2006	2007	2008	2009	2010
Vista Villa Well Contribution	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0
Vista Villa Well Loan Repayment	\$0	\$139,505	\$139,505	\$139,505	\$139,505	\$139,505	\$139,505
System Automation	\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
TOTAL	\$500,000	\$179,505	\$179,505	\$179,505	\$179,505	\$179,505	\$179,505

Capital Facility Improvements

Many of the major capital improvement projects identified in the 2000 Master Plan have been completed or are near completion. These projects include the 20-inch pipeline from the Water Treatment Plant to South Mountain, the Water Treatment Plant Upgrade, the Seven Million Gallon Reservoir, the Fort Street 12-inch Waterline and other projects ranked 1 thru 18.

Capital Improvement project expenses and other Impact Fee related expenses incurred in the years 2000 through 2003 are shown in Table 8.1. The \$2,412,993 WTP Upgrade expense is a part of the Impact Fee portion of the Company's contributing funds to the completion of the Water Treatment Plant, Storage Reservoir and 20-inch Waterline that can be expended with the available Impact Fee funds in 2003. The total Impact Fee portion of these Capital Improvements is \$3,379,795. The Capital Improvement expenses were for the installation of other waterline projects 1 thru 18 in Table 7.2 of the 2000 Master Plan.

The number of new connections each year and the collected income from the Existing Facility and Impact Fees for the years 2000 through 2003 are also shown in Table 8.1. Projected income from Impact Fees from 2004 through 2010 are also shown in Table 8.1

Projected Capital Facility expenses for the years 2004 through 2010 are shown in Table 8.1. WTP Upgrade costs are for the Capital Improvement portion of the State Division of Drinking Water loan. Rate Reserve payback for WTP costs are ten annual payments back to the Rate Reserve for coverage of \$966,802 in WTP expenses in 2003. Capital Improvement projects include uncompleted pipeline projects identified in the 2000 Master Plan and 2002 Master Plan Update. Water Storage Improvements include a 5 million gallon reservoir planned for 2006.

Connection Fees

Table 8.1 below shows that the projected income to be collected using current Impact Fee and Existing Facility Fee rates is sufficient to pay for all required capital expenses through 2010. **It is, therefore, our recommendation that the Impact Fees not be changed.**

TABLE 8.1 (Revised)
Water System Impact Fee Expense/Income Projections

Year	2000*	2001*	2002*	2003**	2004	2005	2006	2007	2008	2009	2010
Beginning Balance	\$0	\$510,471	\$1,329,256	\$1,920,395	\$100,000	\$492,520	\$585,620	(\$579,421)	(\$200,620)	\$224,314	\$697,590
EXPENSES											
WTP Upgrade	\$0	\$0	\$0	\$2,412,993	\$81,400	\$83,400	\$85,200	\$87,200	\$89,200	\$91,400	\$93,400
Rate Reserve payback for WTP					\$96,680	\$96,680	\$96,680	\$96,680	\$96,680	\$96,680	\$96,680
Capital Improvements	\$58,461	\$75,014	\$287,813	\$182,832	\$161,000	\$500,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000
Water Storage Improvements	\$0	\$0	\$0	\$0			\$1,500,000				
Existing Facility Improvements	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Water Right Purchase	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Expenses	\$58,461	\$75,014	\$287,813	\$2,595,825	\$439,080	\$780,080	\$2,081,880	\$583,880	\$585,880	\$588,080	\$590,080
Connections	5,275	5,627	5,878	6,160	6,468	6,791	7,131	7,488	7,862	8,255	8,668
Existing Facility Fee	\$215,448	\$251,282	\$198,172	\$208,065	\$215,600	\$226,380	\$237,699	\$249,584	\$262,063	\$275,166	\$288,925
Impact Fee	\$353,484	\$642,517	\$680,780	\$567,365	\$616,000	\$646,800	\$679,140	\$713,097	\$748,752	\$786,189	\$825,499
Total Income	\$568,932	\$893,799	\$878,952	\$775,430	\$831,600	\$873,180	\$916,839	\$962,681	\$1,010,815	\$1,061,356	\$1,114,424
Surplus (Shortfall)	\$510,471	\$818,785	\$591,139	(\$1,820,395)	\$392,520	\$93,100	(\$1,165,041)	\$378,801	\$424,935	\$473,276	\$524,343
Ending Balance	\$510,471	\$1,329,256	\$1,920,395	\$100,000	\$492,520	\$585,620	(\$579,421)	(\$200,620)	\$224,314	\$697,590	\$1,221,933

Note: Storage and existing facility expenses are set asides for expenses that may occur in that or subsequent years.

* = Actual costs and income for year 2001 and 2002

** = Costs and income extrapolated from 2003 year to date expenses as of September.

Water Rate Analysis

A rate study was conducted to determine if any rate changes are needed to provide sufficient funding support for the construction of the recommended new and improved facilities included in this Master Plan, and to support increased direct and operation costs through the twenty year planning period.

Revised Table 9.2 compares the projected income to projected expenses through the year 2010. Expenses are taken from Table 6.2. Income is calculated from the projected number of connections in Table 4.2, the current ratio of homes to apartments, and the current water rates.

Table 9.2 shows that water rates will provide sufficient funds to cover all projected expenses with a minimum loan coverage ratio of 1.23. Therefore, the existing water rate provides sufficient funds to support the projected financial demands. **It is our recommendation that the Water Rates not be changed.**

The current water rate structure will remain as summarized below:

Component	Rate	Description
Residential Monthly Fee	\$24	for first 5,000 gallons each month
Lifeline Monthly Fee	\$16	for first 5,000 gallons each month
Multi-plex Monthly Fee	\$24	First unit. Covers 5,000 gpmo per unit
	+ \$17	each unit there after. Covers 2,500 gpmo per unit
Apartment Monthly Fee	\$24	First Unit. Covers 5,000 gpmo per unit
	+ \$17	each unit there after. Covers 2,500 gpmo per unit
Additional Usage Fees		
Tier 1	\$1.21	per 1,000 gallons > 5,000 gpmo & < 18,000 gpmo
Tier 2	\$1.80	per 1,000 gallons > 18,000 gpmo < 57,000 gpmo
Tier 3	\$2.40	per 1,000 gallons > 57,000 gpmo

Gpmo = gallons per month

Development Fees

The coverage of engineering review, management and inspection costs by collected Development Fees over the past three years was analyzed. It was determined that the current structure did not cover review and management costs for Subdivisions installing only Culinary Water service. **It is proposed that new increased engineering review fees and management**

fees be adopted to be applied to Subdivisions requiring only Culinary Water service as shown in revised Table 10.1.

TABLE 9.2 (Revised)
Projected Annual Expense/Income Balance

Year	2000*	2001*	2002*	2003**	2004	2005	2006	2007	2008	2009	2010
Beginning Balance	\$1,835,000	\$2,306,196	\$3,245,633	\$4,077,429	\$2,779,153	\$2,854,395	\$3,008,550	\$3,172,904	\$3,344,140	\$3,519,137	\$3,943,341
EXPENSES											
Direct Expenses	\$1,222,631	\$1,179,003	\$1,018,966	\$1,103,252	\$1,147,382	\$1,193,277	\$1,241,008	\$1,290,649	\$1,342,275	\$1,395,966	\$1,451,804
Depreciation	\$204,761	\$207,091	\$244,653	\$241,414	\$248,656	\$256,116	\$263,800	\$271,714	\$279,865	\$288,261	\$296,909
Operation Expenses	\$838,876	\$1,431,307	\$1,329,655	\$1,783,583	\$1,555,696	\$1,680,152	\$1,814,564	\$1,959,729	\$2,116,508	\$2,285,828	\$2,468,695
WTP Upgrade	\$0	\$0	\$0	\$1,231,684	\$325,600	\$333,600	\$340,800	\$348,800	\$356,800	\$365,600	\$373,600
Water System Improvements	\$0	\$50,000	\$206,000	\$81,000	\$500,000	\$179,505	\$179,505	\$179,505	\$179,505	\$179,505	\$179,505
Fluoridation/Chlorination Improv.	\$0	\$0	\$0	\$0	\$250,000	\$0	\$0	\$0	\$0	\$0	\$0
Fluoridation Operation & Maint.	\$0	\$0	\$0	\$0	\$104,820	\$110,061	\$115,564	\$121,343	\$127,410	\$133,780	\$140,469
Water Right Purchase	\$0	\$0	\$0	\$622,605	\$0	\$500,000	\$500,000	\$500,000	\$500,000	\$250,000	\$250,000
Total Expenses	\$2,266,268	\$2,867,401	\$2,799,274	\$5,063,538	\$4,132,155	\$4,252,712	\$4,455,241	\$4,671,740	\$4,902,362	\$4,898,940	\$5,160,982
Connections	5,275	5,627	5,878	6,160	6,468	6,791	7,131	7,488	7,862	8,255	8,668
Base Income (\$24.00)	\$1,468,127	\$1,526,573	\$1,596,063	\$1,766,512	\$1,831,738	\$1,923,324	\$2,019,491	\$2,120,465	\$2,226,489	\$2,337,813	\$2,454,704
Overage Income (1.21, 1.81, 2.40)	\$979,751	\$1,839,741	\$1,657,825	\$1,682,422	\$1,922,114	\$2,018,219	\$2,119,130	\$2,225,087	\$2,336,341	\$2,453,158	\$2,575,816
Interest Income	\$55,093	\$167,672	\$157,320	\$92,988	\$125,062	\$128,448	\$135,385	\$142,781	\$150,486	\$158,361	\$177,450
Development Income	\$4,493	\$55,512	\$65,753	\$68,062	\$71,867	\$75,460	\$79,233	\$83,195	\$87,354	\$91,722	\$96,308
WTP payback from Impact Fee	\$0	\$0	\$0	\$0	\$96,680	\$96,680	\$96,680	\$96,680	\$96,680	\$96,680	\$96,680
Other Income	\$230,000	\$217,340	\$154,109	\$155,278	\$159,936	\$164,735	\$169,677	\$174,767	\$180,010	\$185,410	\$190,972
Total Income	\$2,737,464	\$3,806,838	\$3,631,070	\$3,765,262	\$4,207,397	\$4,406,866	\$4,619,596	\$4,842,975	\$5,077,360	\$5,323,144	\$5,591,930
Surplus (Shortfall)	\$471,196	\$939,437	\$831,796	(\$1,298,276)	\$75,242	\$154,154	\$164,355	\$171,235	\$174,998	\$424,204	\$430,948
Loan Coverage Ratio					1.23	1.46	1.48	1.49	1.49	2.16	2.15
Ending Balance	\$2,306,196	\$3,245,633	\$4,077,429	\$2,779,153	\$2,854,395	\$3,008,550	\$3,172,904	\$3,344,140	\$3,519,137	\$3,943,341	\$4,374,289

* = Actual costs and income for year 2001 and 2002

** = Costs and income extrapolated from 2003 year to date expenses as of September.

The existing and proposed fees for single Lots are shown in revised Table 10.2. The only revision in Table 10.2 is a \$30 increase in the large meter impact fee calculation item.

The developer should be made aware that these fees cover the normal amount of service generally required for development and that extra fees can also be charged if special or difficult circumstances cause additional time and involvement on the part of Company staff and/or consultants. Any extra fees will be assessed as the actual cost of additional services. Any extra fees should be assessed and collected from the Developer before meters are set by the Company.

**TABLE 10.1 (Revised)
Revised Culinary Water Subdivision Development Fees**

Service	Old Fee Amount	New Fee Amount
General Administration/ Processing	\$515	\$700
General Engineering (Water & P.I.)	\$430	\$430
General Engineering (Water only)	\$430	\$580
Engineering Plan Review (Subdivisions with Water and P.I.)	\$375 + \$0.40/foot over 500 feet of pipe	\$375 + \$0.40/foot over 500 feet of pipe
Engineering Plan Review (Subdivisions with Water only)	\$375 + \$0.40/foot over 500 feet of pipe	\$650 + \$0.50/foot over 500 feet of pipe
Large Meter Impact Fee Determination	\$150	\$180
Legal Fees (As required)	Actual Cost (\$100 min)	Actual Cost (\$100 min)
Mainline Inspection	\$200 + \$0.35/foot over 100 feet of pipe	\$200 + \$0.35/foot over 100 feet of pipe
Mainline Hot Tap or Cut In Inspection	\$650	\$650
Water Service Line Inspection	\$50	\$50
1 ½ "or 2" Water Service Line Inspection	\$100	\$100
Large Vault Inspection Fee	\$500	\$500

TABLE 10.2
Culinary Water Single Lot Development Fees

Service	Old Fee Amount	New Fee Amount
General Administration/ Processing	\$300	\$300
Large Meter Impact Fee Determination	\$150	\$180
Single Fire Hydrant Mainline Connection Inspection Fee	\$100	\$100
Water Service Line Inspection	\$150	\$150
1 ½ "or 2" Water Service Line Inspection	\$250	\$250