

RESOLUTION NO. 2008-10-174 (R)

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MCKINNEY, TEXAS, APPROVING THE AMENDMENT OF THE CAPITAL IMPROVEMENTS PLANS FOR UTILITY IMPACT FEES FOR THE 2007-2008 UTILITY IMPACT FEE UPDATE.

WHEREAS, per Texas Local Government Code Section 395.052, a city imposing a utility impact fee shall update the land use assumptions and capital improvements plans at least every five years; and

WHEREAS, the City of McKinney, Texas held a public hearing and approved the Land Use Assumptions for the 2007-2008 Utility Impact Fee Update on April 1, 2008;

WHEREAS, per Texas Local Government Code Section 395.054, the City of McKinney, Texas has held a public hearing to consider the amendment of the Capital Improvements Plans for Utility Impact Fees for the 2007-2008 Utility Impact Fee Update; and

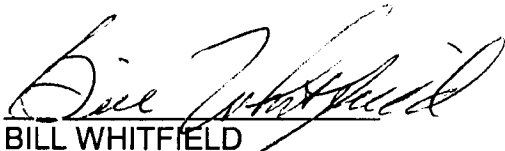
WHEREAS, per Texas Local Government Code Section 395.054, the City of McKinney, Texas is required to adopt an ordinance, order, or resolution approving the amendment of the capital improvements plans.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF MCKINNEY, TEXAS, THAT:


Section 1. The City Council of the City of McKinney, Texas approves the amendment of the Capital Improvements Plans for Utility Impact Fees for the 2007-2008 Utility Impact Fee Update.

PASSED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF MCKINNEY, COLLIN COUNTY, TEXAS ON THIS THE 21st DAY OF OCTOBER 2008.

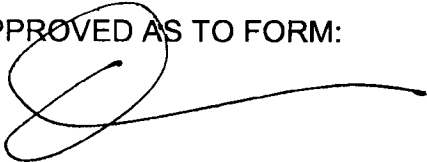
City of McKinney


BILL WHITFIELD
Mayor

ATTEST:


SANDY HART, TRMC, MMC
City Secretary
BEVERLY COVINGTON, TRMC, CMC
Deputy City Secretary

APPROVED AS TO FORM:


MARK S. HOUSER
City Attorney

**2007 – 2008 WATER & WASTEWATER
IMPACT FEE UPDATE**

Submitted To



Submitted By

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
and
RJN GROUP

AUGUST 2008

CITY OF MCKINNEY
2007 – 2008 WATER & WASTEWATER IMPACT FEE UPDATE

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THESE DOCUMENTS ARE FINAL AND ARE FOR CONSTRUCTION, BIDDING, AND PERMIT PURPOSES.

Matthew Hickey

Date: 7/21/08

CITY OF MCKINNEY
2007 – 2008 WATER & WASTEWATER IMPACT FEE UPDATE

SECTION I – INTRODUCTION

A. GENERAL

In accordance with the requirements of Chapter 395.052 of the Local Government Code, this report establishes the City of McKinney’s Capital Improvement Plan for water and wastewater impact fees and calculates the maximum allowable fee for each. Land use assumptions for impact fees were generated under a separate document by the City of McKinney’s Planning Department.

Chapter 395, of the Local Government Code is an act that provides guidelines for financing capital improvements required by new development in municipalities, counties, and certain other local governments. The basis for determination of an impact fee requires the preparation and adoption of a land use plan and growth assumption, and the preparation of a 10-year capital improvement plan. The capital improvement plan requires an analysis of total capacity, the level of current usage and commitments of capacity of existing capital improvements. From these two phases, a maximum impact fee is calculated.

The Act allows the maximum impact fee to be charged if revenues from future ad valorem taxes, and water and sewer bills are included as a credit in the analysis. If not, the Act allows the maximum fee to be set at 50% of the calculated maximum fee. The following items were included in the impact fee calculation:

1. The portion of the cost of the new infrastructure that is to be paid by the City, including engineering, property acquisition and construction cost.
2. Existing excess capacity in lines and facilities that will serve future growth and which were paid for in whole or part by the City.
3. Engineering and quality control fees for construction projects.
4. Interest and other finance charges on bonds issued by the City to cover its portion of the cost.

The engineering analysis portion of the Water and Wastewater Fee determines utilized capacity cost of the major water distribution and wastewater collection facilities between the year 2007 and the year 2017. Facilities in this analysis include, water pump stations, water storage tanks, water transmission lines and wastewater collection lines. The North Texas Municipal Water District (NTMWD) water treatment, wastewater treatment and distribution components were excluded from this analysis. The study period is a ten-year period with 2007 as the base year. The impact fee calculations for the water and wastewater systems are based on land use assumptions provided by the City of McKinney. Prior to this impact fee update, the City's Water Distribution and Wastewater Collection hydraulic models were updated for 2007, 2017 and buildout conditions. The hydraulic model results are available for review from the City of McKinney. The equivalency factors utilized in this analysis conform to the latest American Water Works Association Standards (C700 - C703).

B. WATER & WASTEWATER IMPACT FEE GLOSSARY

1. Advisory Committee means the capital improvements advisory committee established by the City for purposes of reviewing and making recommendations to the City Council on adoption of the City's impact fee program.
2. Area-Related Facility means a capital improvement or facility expansion which is designated in the impact fee capital improvements plan and which is not a site-related facility. Area-Related Facility may include capital improvements that are located off-site, or within or on the perimeter of the development site.
3. Assessment means the determination of the amount of the maximum impact fee per service unit that can be imposed on new development.
4. Capital Improvement means either a water facility or a wastewater facility with a life expectancy of three or more years, to be owned and operated by or on behalf of the City.
5. City means the City of McKinney, Texas.
6. Credit means the amount of the reduction of an impact fee due, determined under this ordinance or pursuant to administrative guidelines, that is equal to the value of area-related

facilities provided by a property owner pursuant to the City's subdivision or zoning regulations or requirements, for the same type of facility.

7. Debt Service means the 20-year financing costs of projects applied to all eligible existing and proposed water and wastewater facilities.
8. Facility Expansion means either a water facility expansion or a sewer facility.
9. Impact Fee means either a fee for water facilities or a fee for wastewater facilities, imposed on new development by the City pursuant to Chapter 395 of the Texas Local Government Code in order to generate revenue to fund or recoup the costs of capital improvements or facility expansion necessitated by and attributable to such new development. Impact fees do not include the dedication of rights-of-way or easements for such facilities, or the construction of such improvements, imposed pursuant to the City's zoning or subdivision regulations.
10. Impact Fee Capital Improvements Plan means either a water capital improvements plan or a wastewater capital improvement plan adopted or revised pursuant to the impact fee regulations.
11. Land Use Assumptions means the projections of population and growth, and associated changes in land uses, densities and intensities over at least a ten-year period, as adopted by the City and as may be amended from time to time, upon which the capital improvements plans are based.
12. Land Use Equivalency Table means a table converting the demands for capital improvements generated by various land uses to numbers of service units, as may be amended from time to time.
13. New Development means the subdivision of land; the construction, reconstruction, redevelopment, conversion, structural alteration, relocation, or enlargement of any structure; or any use or extension of the use of land; any of which increases the number of service units.

14. Recoupment means the imposition of an impact fee to reimburse the City for capital improvements that the City had previously oversized to serve new development.
15. Service Area means either a water service area or wastewater service area which impact fees for capital improvements or facility expansion will be collected for new development occurring within such area, and within which fees so collected will be expended for those types of improvements or expansions identified in the type of capital improvements plan applicable to the service area.
16. Service Unit means the applicable standard units of measure shown on the land use equivalency table in the Impact Fees Capital Improvements Plan that can be converted to water meter equivalents, for water or for wastewater facilities, which serves as the standardized measure of consumption, use or generation attributable to the new unit of development.
17. Site-Related Facility means an improvement or facility which is for the primary use or benefit of a new development, and/or which is for the primary purpose of safe and adequate provision of water or wastewater facilities to serve the new development, and which is not included in the impact fees capital improvements plan and for which the property owner is solely responsible under subdivision or other applicable development regulations.
18. Utility Connection means installation of a water meter for connecting a new development to the City's water system, or connection to the City's wastewater system.
19. Wastewater Facility means a wastewater interceptor or main, lift station or other facility included within and comprising an integral component of the City's collection system for wastewater. Wastewater facility includes land, easements or structure associated with such facilities. Wastewater facility excludes site-related facilities.

20. Wastewater Facility Expansion means the expansion of the capacity of any existing wastewater improvement for the purpose of serving new development, but does not include the repair, maintenance, modernization, or expansion of an existing sewer facility to serve existing development.
21. Wastewater Capital Improvements Plan means the adopted plan, as may be amended from time to time, which identifies the wastewater facilities or wastewater expansions and their associated costs which are necessitated by and which are attributable to new development, for a period not to exceed 10 years.
22. Water Facility means a water main, pump station, storage tank or other facility included within and comprising an integral component of the City's water storage or distribution system. Water facility includes land, easements or structures associated with such facilities. Water facility excludes site-related facilities.
23. Water Facility Expansion means the expansion of the capacity of any existing water facility for the purpose of serving new development, but does not include the repair, maintenance, modernization, or expansion of an existing water improvement to serve existing development.
24. Water Capital Improvements Plan means the adopted plan, as may be amended from time to time, which identifies the water facilities or water expansions and their associated costs which are necessitated by and which are attributable to new development, for a period not to exceed 10 years.
25. Water Meter means a device for measuring the flow of water to a development, whether for domestic or for irrigation purposes.

C. LAND USE ASSUMPTIONS (Provided By: City of McKinney Planning Department)

The impact fee land use assumptions utilized in this update were prepared by the City of McKinney's Planning Department and are presented in a separate document. The land use assumptions projected an ultimate residential population of approximately 387,964 in the City of McKinney's ultimate planning boundary. This is a lower ultimate population than projected in the City's 2002 Water and Wastewater Impact Fee Update, which estimated a residential population of 395,000, a decrease of 7,036 people.

The residential and non-residential growth provided by the City for the year 2007 through 2017 is summarized in Table No. 1.

TABLE NO. 1

Residential and Non-Residential Growth from 2007 to 2017

Year	Residential Population*	Non-Residential Uses**	
		Type	Developed Area (SF)
2007	115,198	Basic	7,320,083
		Service	21,371,571
		Retail	8,791,637
		Total:	37,483,291
2017	195,839	Basic	8,938,007
		Service	27,533,702
		Retail	13,078,638
		Total:	49,550,347
Res. Growth Rate	1.7	Non-Res. Growth Rate	1.3

* Residential Population – Represent Estate, Low Density, Medium Density and High Density Residential Categories

** Basic – Industrial Land Uses

** Service – Office & Institutional Land Uses

** Retail – Commercial Land Uses

As shown in Table No. 1, increases in the residential population and non-residential uses will occur during the 10-year capital recovery period. The water demand and wastewater flows from the residential and non-residential uses dictate the ultimate size of facilities, while the rate of growth is important to determine the timing of system improvements to meet the City’s growing needs. The eligible water impact fee facilities are shown on **Exhibits 1A and 1B**. The eligible wastewater facilities are shown on **Exhibits 2A and 2B** in this report.

SECTION II

WATER & WASTEWATER C.I.P. AND IMPACT FEE ANALYSIS

A. DEFINITION OF A SERVICE UNIT – WATER AND WASTEWATER

Chapter 395 of the Local Government Code requires that impact fees be based on a defined service unit. A “service unit” means a standardized measure of consumption, use generation, or discharge attributable to an individual unit of development calculated in accordance with generally accepted engineering or planning standards. This impact fee defines a water and wastewater service unit to be a $\frac{3}{4}$ -inch water meter and has referred to this service unit as a Single Family Living Unit Equivalent (SFLUE). The SFLUE is based on the continuous duty capacity of a $\frac{3}{4}$ -inch water meter. This is the typical meter used for a single family detached dwelling, and therefore is considered to be equivalent to one “living unit”. Other meter sizes can be compared to the $\frac{3}{4}$ -inch meter through a ratio of water flows as published by the American Water Works Association as shown in **Table No. 2** below. This same ratio is then used to determine the proportional water and wastewater impact fee amount for each water meter size.

TABLE NO. 2

Living Unit Equivalencies For Various Types and Sizes of Water Meters

Meter Type	Meter Size	Continuous Duty Maximum Rate (gpm) ^(a)	Ratio to 3/4” Meter
Simple	3/4”	15	1.0
Simple	1”	25	1.7
Simple	1 1/2”	50	3.3
Simple	2”	80	5.3
Compound	2”	80	5.3
Turbine (Irrigation)	2”	100	6.7
Compound	3”	160	10.7
Turbine (Irrigation)	3”	240	16.0
Compound	4”	250	16.7
Turbine (Irrigation)	4”	420	28.0
Compound	6”	500	33.3
Turbine (Irrigation)	6”	920	61.3
Compound	8”	800	53.3
Turbine (Irrigation)	8”	1,600	106.7
Compound	10”	2,300	153.3
Turbine (Irrigation)	10”	2,500	166.7
Turbine	12”	3,300	220.0

^(a) Source: AWWA Standard C700 (1995) - C703 (1996)

B. CALCULATION OF WATER & WASTEWATER - LIVING UNIT EQUIVALENTS

The City of McKinney provided the existing water meter count by size category as of December 2007. In total, there are 39,239 domestic water and irrigation meters serving an existing population of 115,198 residents and business. **Table No. 3** shows the number of existing meters, the living unit equivalent factor and the total number of living unit equivalents for each sized water meter.

The number of wastewater accounts was determined by subtracting the number if irrigation meters from the number of domestic water meters. This equates to 37,815 wastewater accounts. **Table No. 4** illustrates the existing wastewater accounts and the SFLUE’s.

The residential growth rate of 1.7 in **Table 1** was applied to ¾-inch through 2-inch meters. The non-residential growth rate of 1.3 in **Table 1** was applied to 3-inch through 8-inch meters. Utilizing these growth rates in a straight-line extrapolation of the existing water and wastewater accounts, the numbers of new accounts was calculated for the year 2017. City records indicate the growth of ¾-inch and 1-inch meters in the last 2-years was approximately 45% ¾-inch meters and 55% 1-inch meters. These percentages were applied to the total growth of ¾-inch and 1-inch meters. Living unit equivalents were then applied to the water meters and wastewater accounts for 2007 and 2017, resulting in a total number of living units. The difference in the total number of 2007 and 2017 living units results in the new living unit equivalents during the impact fee period. The calculation of living unit equivalents is summarized in **Table 3 and Table 4**.

TABLE NO. 3

Water Living Unit Equivalents 2007 - 2017

Meter Size	2007			2017			New Living Unit Equivalents During Impact Fee Period
	Number of Water Meters	Living Unit Equivalent Ratio for 3/4" Used	Total Number of Living Units	Number of Water Meters	Living Unit Equivalent Ratio for 3/4" Used	Total Number of Living Units	
3/4"	22,745	1.0	22,745	33,639	1.0	33,639	10,894
1"	11,839	1.7	19,732	25,154	1.7	41,924	22,192
1-1/2"	2,921	3.3	9,737	4,966	3.3	16,553	6,816
2"	1,523	5.3	8,123	2,589	5.3	13,809	5,686
3"	163	10.7	1,739	215	10.7	2,298	560
4"	30	16.7	500	40	16.7	661	161
6"	14	33.3	467	19	33.3	617	150
8"	4	53.3	213	5	53.3	282	69
Totals	39,239		63,255	66,627		109,783	46,528

TABLE NO. 4

Wastewater Living Unit Equivalents 2007 – 2017

Meter Size	2007			2017			New Living Unit Equivalents During Impact Fee Period
	Number of Water Meters	Living Unit Equivalent Ratio for 3/4" Used	Total Number of Living Units	Number of Water Meters	Living Unit Equivalent Ratio for 3/4" Used	Total Number of Living Units	
3/4"	22,606	1.0	22,606	33,342	1.0	33,342	10,736
1"	11,476	1.7	19,127	24,598	1.7	40,997	21,870
1-1/2"	2,745	3.3	9,150	4,667	3.3	15,555	6,405
2"	788	5.3	4,203	1,042	5.3	5,556	1,353
3"	156	10.7	1,664	206	10.7	2,200	536
4"	27	16.7	450	36	16.7	595	145
6"	13	33.3	433	17	33.3	573	140
8"	4	53.3	213	5	53.3	282	69
Totals	37,815		57,846	63,913		99,100	41,254

C. COST OF FACILITIES

Unit cost for proposed water and wastewater lines larger than 12 inches in diameter that are anticipated to be constructed by private development, include the City's oversize cost participation only. These water and wastewater lines are highlighted green on **Exhibits 1A through 2B**. Oversize cost participation from City is when funds become available. For City participation, the developer must bid the 12-inch as a base and the oversize as an additive alternate. City initiated water and waste water lines include the full cost of the proposed facility. These water and wastewater lines are highlighted red on **Exhibits 1A through 2B**. Developer initiated water and wastewater line projects which are 12 inches or less in diameter are not included in this Impact Fee analysis, as the cost for these size lines are the responsibility of the developer. These water and wastewater lines are highlighted blue on **Exhibits 1A through 2B**.

Actual construction costs of the various elements of the water and wastewater systems were utilized where the information was known. The existing cost of facilities was determined from Contractor's final pay requests, City purchase orders, bid tabulation forms and developer's agreements.

Most of the cost data for existing water and wastewater lines included in the impact fee analysis have been located. A 5% debt service, over a period of 20-years, has been added to all projects. Actual costs were used for those existing projects where records were available.

D. WATER DISTRIBUTION SYSTEM

Computer models for the years 2007, 2017 and Buildout were prepared and analyzed by Birkhoff, Hendricks & Conway, L.L.P. The models were developed and water demand distributed from residential population and non-residential land use projections provided by the City of McKinney’s Planning Department. The projected developed land areas from the City’s Land Use Assumptions follow closely to the construction of major facilities in the system. These facilities include pump stations, storage tanks, and major distribution lines. All computer models were run for the Maximum Hourly Demand and the Minimum Hourly Demand in a three-day extended period simulation to insure proper sizing of the facilities to meet peak demands.

1. Existing Pump Stations, Ground Storage Reservoirs & Elevated Storage Tanks

The existing water distribution system (As of December 2007) includes the facilities summarized in **Table No. 5** and **Table No. 6**.

TABLE NO. 5

Water Distribution System -- Existing Pump Stations & Ground Storage

Pump Station	Number of Pumps	Rated Capacity (MGD)	Number of Ground Storage Tanks	Total Ground Storage Available (Gallons)
McKinney Ranch	11	49.7	2	16,000,000
University	6	50.0	2	16,000,000
Total:	17	99.7	4	32,000,000

TABLE NO. 6

Existing Elevated Storage Tanks

Elevated Storage Tanks	Capacity in Million Gallons
Industrial Elevated Storage Tank	2.0
U.S. 380 Elevated Storage Tank	1.5
Wilmeth Elevated Storage Tank	2.0
Virginia Elevated Storage Tank	1.5
Community Elevated Storage Tank	3.0
Total	10.0

The existing McKinney Ranch Low Side pumps and the Chestnut Elevated Storage Tank are no longer utilized and were not included in the impact fee calculation.

The pump stations and ground storage facilities were analyzed with the maximum daily demand, while elevated storage acts dynamically and therefore was analyzed utilizing the difference between the Maximum Hourly Demand and the Maximum Daily Demand.

2. Distribution Lines

The distribution lines consist of all lines within the Service Area planning boundary supplying water to customers in the City of McKinney. Existing and proposed distribution lines vary in size from 3/4-inch services to 72-inch transmission lines. Unless shown in the Capital Improvements Plan as City initiated, only those water lines with a diameter larger than 12-inches were considered in the Impact Fee calculations. The cost of water lines includes construction cost, appurtenances (water valves, fire hydrants, taps and the like), utility relocations, purchase of easements and engineering costs. Financing cost over a 20-year term is included for each project.

Unit cost for proposed capital improvement water lines 12-inches and larger in diameter classified as City initiated, or City participation in oversize water lines, include the City's full cost of the proposed facility. Developer initiated water line projects, 12 inches or less in diameter, were not included in this Impact Fee analysis, as the cost for these size lines are the responsibility of the developer.

3. Water Supply

The City of McKinney currently receives all of its water supply from the North Texas Municipal Water District (NTMWD). McKinney's allocation of the capital cost of services as a Member of the NTMWD was specifically excluded from the impact fee analysis.

If included, McKinney's share of the NTMWD capital cost could include the original construction cost, expansion cost and financing cost of the following components:

- a) Water Rights Cost in Lake Lavon and other Sources
- b) Raw Water Intake Structures
- c) Raw Water Pump Stations
- d) Treatment Plant and Expansion
- e) High Service Pump Stations
- f) Transmission Lines
- g) NTMWD Owned Ground Storage Facilities

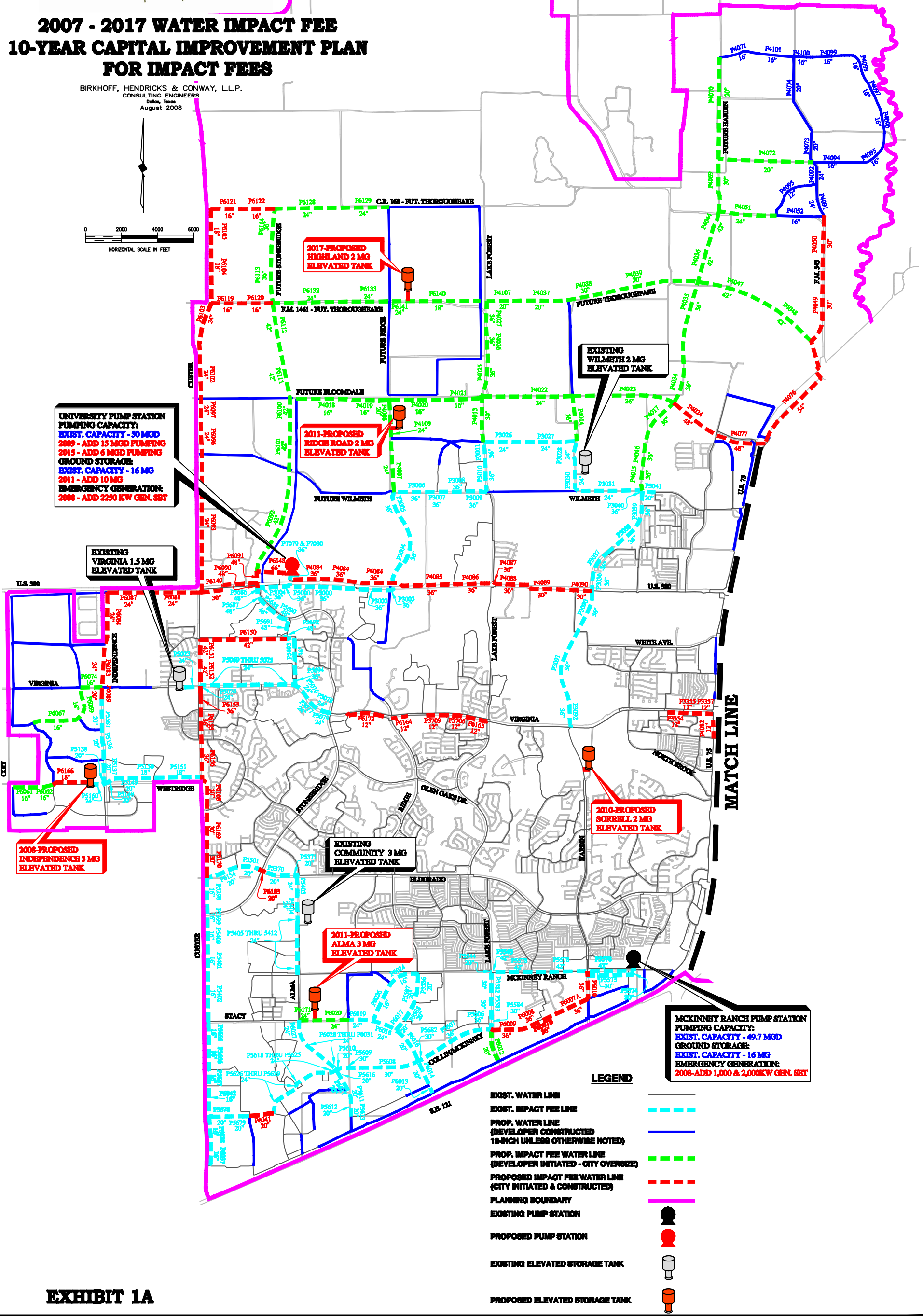
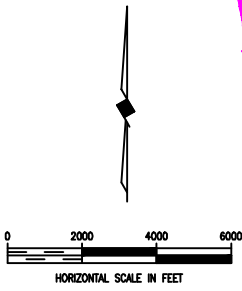
4. Water Distribution System Capital Improvement Projects for Impact Fees

In order to meet the demands of the anticipated growth over the next 10-years, as provided in the Land Use Assumptions prepared by the City of McKinney, certain water distribution system improvements are required. **Exhibits 1A & 1B** show the recommended water system improvements and **Table No. 7** itemizes each project and the project cost in 2007 dollars. These recommended improvements form the basis for the water system impact fee calculation.

The capital improvement plan for impact fees provides for system improvements within the defined Service Area Planning Boundary.

**2007 - 2017 WATER IMPACT FEE
10-YEAR CAPITAL IMPROVEMENT PLAN
FOR IMPACT FEES**

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
Dallas, Texas
August 2008



UNIVERSITY PUMP STATION
PUMPING CAPACITY:
EXIST. CAPACITY - 50 MGD
2009 - ADD 15 MGD PUMPING
2015 - ADD 6 MGD PUMPING
GROUND STORAGE:
EXIST. CAPACITY - 16 MG
2011 - ADD 10 MG
EMERGENCY GENERATION:
2008 - ADD 2250 KW GEN. SET

**EXISTING VIRGINIA 1.5 MG
ELEVATED TANK**

**2017-PROPOSED
HIGHLAND 2 MG
ELEVATED TANK**

**2011-PROPOSED
RIDGE ROAD 2 MG
ELEVATED TANK**

**EXISTING
WILMETH 2 MG
ELEVATED TANK**

**2010-PROPOSED
SORRELL 2 MG
ELEVATED TANK**

**EXISTING
COMMUNITY 3 MG
ELEVATED TANK**

**2011-PROPOSED
ALMA 3 MG
ELEVATED TANK**

MCKINNEY RANCH PUMP STATION
PUMPING CAPACITY:
EXIST. CAPACITY - 49.7 MGD
GROUND STORAGE:
EXIST. CAPACITY - 16 MG
EMERGENCY GENERATION:
2008-ADD 1,000 & 2,000KW GEN. SET

LEGEND

- EXIST. WATER LINE
- EXIST. IMPACT FEE LINE
- PROP. WATER LINE
(DEVELOPER CONSTRUCTED
18-INCH UNLESS OTHERWISE NOTED)
- PROP. IMPACT FEE WATER LINE
(DEVELOPER INITIATED - CITY OVERSIZE)
- PROPOSED IMPACT FEE WATER LINE
(CITY INITIATED & CONSTRUCTED)
- PLANNING BOUNDARY
- EXISTING PUMP STATION
- PROPOSED PUMP STATION
- EXISTING ELEVATED STORAGE TANK
- PROPOSED ELEVATED STORAGE TANK

**2007 - 2017 WATER IMPACT FEE
10-YEAR CAPITAL IMPROVEMENT PLAN
FOR IMPACT FEES**

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
Dallas, Texas
AUGUST 2008

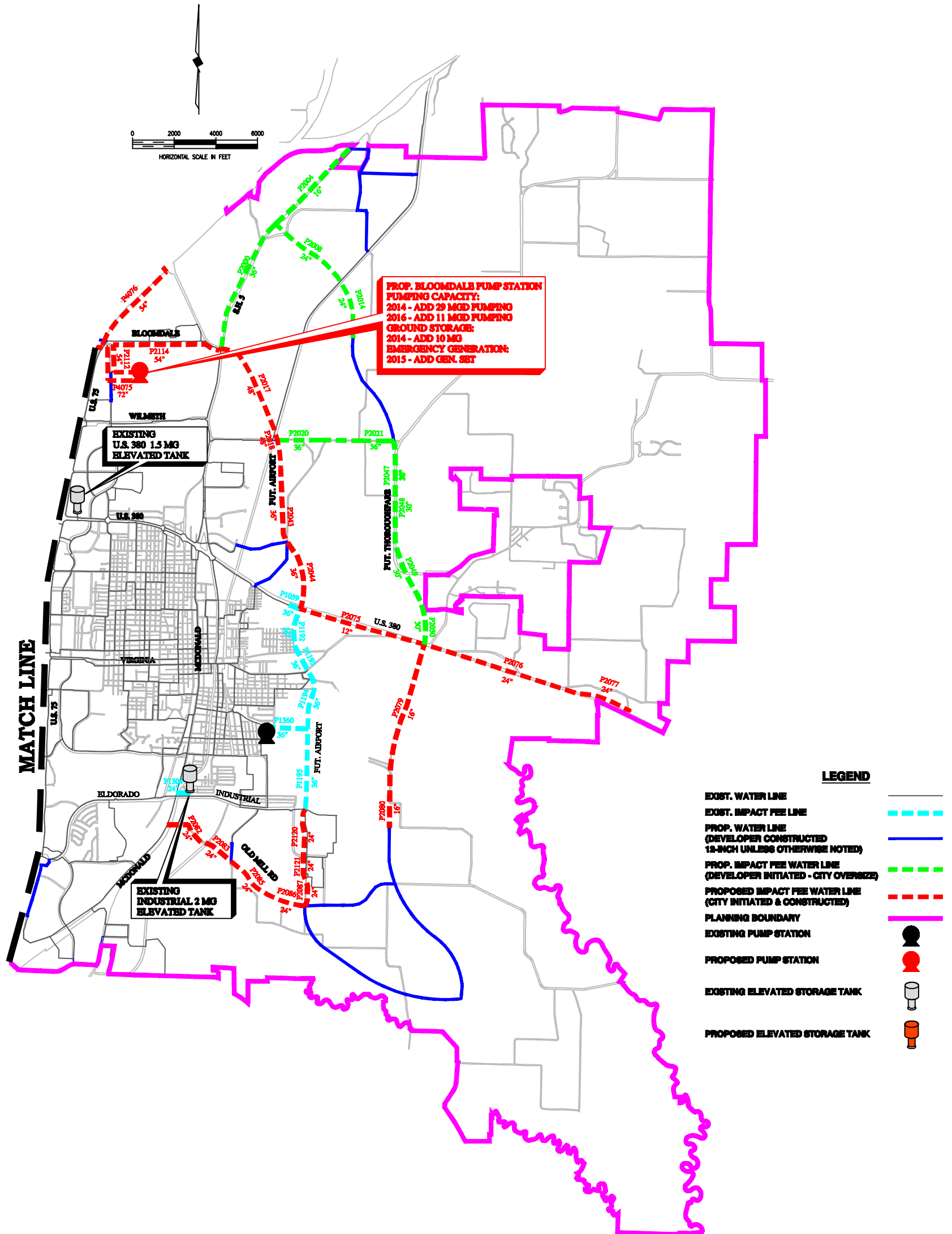


TABLE NO. 7
Water Distribution System 10-Year Capital Improvement Plan for Impact Fees

PROPOSED WATER LINES

Year	Project	Size	Opinion of Construction Cost (1)	Debt Service (2)	Total Project Cost
2008	Bristol / Custer 42-Inch Water Line	42"	\$ 3,426,057	\$ 1,798,680	\$ 5,224,737
2008	Custer Road Utility Relocation	30" - 36"	\$ 3,124,614	\$ 1,640,422	\$ 4,765,036
2008	794 Virginia Pkwy. 12-Inch Parallel Line	12"	\$ 353,565	\$ 185,622	\$ 539,187
2009	Eldorado Pkwy. / Stonebridge Drive Intersection 20" Water Line	20"	\$ 100,000	\$ 52,500	\$ 152,500
2009	U.S. 380 36-Inch Water Line	36"	\$ 5,846,793	\$ 3,069,566	\$ 8,916,359
2009	University Pump Station Discharge Line No. 2	30" - 66"	\$ 2,445,087	\$ 1,283,670	\$ 3,728,757
2009	Stacy Road 24-Inch Water Line	*24"	\$ 314,184	\$ 164,947	\$ 479,131
2009	Lake Forest 20-Inch Water Line	*20"	\$ 112,662	\$ 59,148	\$ 171,810
2010	S.H. 5 36-Inch Water Line	*36"	\$ 1,808,011	\$ 949,206	\$ 2,757,217
2010	Willowwood 24-Inch Water Line	*24"	\$ 799,510	\$ 419,743	\$ 1,219,253
2010	Hardin 36-Inch Water Line - Phase 3	*36"	\$ 1,484,556	\$ 779,392	\$ 2,263,948
2010	Independence 24-Inch Water Line	20" - 24"	\$ 681,821	\$ 357,955	\$ 1,039,776
2010	Hardin South 36-Inch Water Line	36"	\$ 566,482	\$ 297,403	\$ 863,885
2010	Collin/McKinney 36-Inch Water Line - Phase 3	36"	\$ 2,156,057	\$ 1,131,930	\$ 3,287,987
2010	Westridge 16-Inch Water Line	*16"	\$ 43,644	\$ 22,913	\$ 66,557
2011	Hardin 42 & 36-Inch Water Line - Phase 4	*36" - 42"	\$ 3,247,070	\$ 1,704,712	\$ 4,951,782
2011	F.M. 543 24-Inch Water Line	*24"	\$ 364,800	\$ 191,520	\$ 556,320
2011	Ridge Elevated Storage Tank Water Lines	*20" - 24"	\$ 503,099	\$ 264,126	\$ 767,225
2011	Collin/McKinney 20-Inch Water Line - Phase 4	20"	\$ 214,120	\$ 112,413	\$ 326,533
2011	U.S. 380 West 24-Inch Water Line	24"	\$ 1,143,057	\$ 600,105	\$ 1,743,162
2012	Hardin 30-Inch & 20-Inch Water Line - Phase 5	*20" - 24"	\$ 812,012	\$ 426,306	\$ 1,238,318
2012	Westridge Subdivision 16-Inch Water Lines	*16"	\$ 101,508	\$ 53,292	\$ 154,800
2013	County Road 228 20-Inch Water Line	*20"	\$ 315,389	\$ 165,579	\$ 480,968
2013	Stonebridge 42-Inch Water Line - Phase 2	*42"	\$ 5,147,283	\$ 2,702,324	\$ 7,849,607
2013	920 Virginia Pkwy. 12-Inch Parallel Line	12"	\$ 573,551	\$ 301,114	\$ 874,665
2014	Bloomdale 16-Inch Water Line - 850 Phase 1	*16"	\$ 93,859	\$ 49,276	\$ 143,135
2014	Bloomdale 16-Inch Water Line - 850 Phase 2	*16"	\$ 93,442	\$ 49,057	\$ 142,499
2014	Bloomdale 54-Inch Water Line	54"	\$ 3,775,253	\$ 1,982,008	\$ 5,757,261
2014	Stonebridge 36-Inch Water Line - Phase 3	*36"	\$ 1,434,857	\$ 753,300	\$ 2,188,157
2014	Westridge 18-Inch Parallel Water Line	18"	\$ 300,413	\$ 157,717	\$ 458,130
2015	Airport Water Line - Phase 1	36" - 48"	\$ 5,665,213	\$ 2,974,237	\$ 8,639,450
2015	Airport Water Line - Phase 2	24"	\$ 1,039,928	\$ 545,962	\$ 1,585,890
2015	Bloomdale 24-Inch Water Line - 850 Phase 3	*24"	\$ 573,010	\$ 300,830	\$ 873,840
2015	F.M. 1461 (Future E/W Thoroughfare) 16-Inch Water Line - 920 Phase 1	16"	\$ 384,689	\$ 201,962	\$ 586,651
2015	Future East / West Thoroughfare 16-Inch Water Line - 920 Phase 1	16"	\$ 402,790	\$ 211,465	\$ 614,255
2015	U.S. 380 East Water Line	12" - 24"	\$ 2,873,055	\$ 1,508,354	\$ 4,381,409
2015	Bloomdale Pump Station 850 Discharge Line	30" - 54"	\$ 5,687,105	\$ 2,985,730	\$ 8,672,835
2016	Old Mill Road 24-Inch Water Line	24"	\$ 1,742,427	\$ 914,774	\$ 2,657,201
2016	S.H. 5 16-Inch Water Line	*16"	\$ 94,465	\$ 49,594	\$ 144,059
2016	Bloomdale 36-Inch Water Line - 850 Phase 4	*36"	\$ 1,552,739	\$ 815,188	\$ 2,367,927
2016	Bloomdale 48 & 72-Inch Water Line - 850 Phase 5	48" - 72"	\$ 4,535,140	\$ 2,380,949	\$ 6,916,089
2016	Lake Forest 30 & 36-Inch Water Line	*30" - 36"	\$ 1,867,171	\$ 980,266	\$ 2,847,437
2016	F.M. 1461 (Future E/W Thoroughfare) 24" & 18" Water Line - 920 Phase 2	*18" - 24"	\$ 995,380	\$ 522,575	\$ 1,517,955
2016	Future East / West Thoroughfare 24-Inch Water Line - 920 Phase 2	*24"	\$ 720,969	\$ 378,509	\$ 1,099,478
2017	Custer 18 & 24-Inch North Water Line	18" - 24"	\$ 4,192,103	\$ 2,200,853	\$ 6,392,956
2017	Future North / South Thoroughfare 16-Inch Water Line	16"	\$ 1,082,765	\$ 568,452	\$ 1,651,217
2017	McIntyre / Woodlawn 36-Inch Water Line	*36"	\$ 1,518,100	\$ 797,003	\$ 2,315,103
2017	F.M. 2933 30-Inch Water Line	*30"	\$ 1,625,879	\$ 853,587	\$ 2,479,466
2017	Future East / West Thoroughfare 20, 30 & 42-Inch Water Line - 850 Phase 3	*20" - 42"	\$ 3,867,965	\$ 2,030,682	\$ 5,898,647
2017	C.R. 943 16-Inch Water Line	*16"	\$ 45,360	\$ 23,814	\$ 69,174
Subtotal: Proposed Water Lines			\$ 81,849,009	\$ 42,970,732	\$ 124,819,741

* - Developer Initiated Water Line - Opinion of Cost Based on Oversize Cost in 2007 Dollars.

TABLE NO. 7
Water Distribution System 10-Year Capital Improvement Plan for Impact Fees

PUMPING AND STORAGE FACILITIES

Year	Project	Capacity	Opinion of Construction Cost (1)	Debt Service (2)	Total Project Cost
2008	McKinney Ranch Pump Station - Two Emergency Generator Sets	3,000 KW	\$ 2,560,000	\$ 1,344,000	\$ 3,904,000
2008	University Pump Station - Emergency Generator No. 1	2,250 KW	\$ 1,454,835	\$ 763,788	\$ 2,218,623
2008	Independence 3-MG Elevated Storage Tank	3 MG	\$ 4,420,563	\$ 2,320,796	\$ 6,741,359
2009	University Pump Station Phase II Improvements - Add Pump	15 MGD	\$ 550,000	\$ 288,750	\$ 838,750
2010	Sorrell 2.0 MG Elevated Storage Tank	2 MG	\$ 4,180,000	\$ 2,194,500	\$ 6,374,500
2011	University 10-MG Ground Storage Reservoir No. 3	10 MG	\$ 4,400,000	\$ 2,310,000	\$ 6,710,000
2011	Alma 3.0 MG Elevated Storage Tank	3 MG	\$ 6,270,000	\$ 3,291,750	\$ 9,561,750
2011	Ridge 2.0 MG Elevated Storage Tank	2 MG	\$ 4,180,000	\$ 2,194,500	\$ 6,374,500
2014	Bloomdale Pump Station - Phase I	29 MGD	\$ 7,810,298	\$ 4,100,406	\$ 11,910,704
2014	Bloomdale 10-MG Ground Storage Reservoir No. 1	10 MG	\$ 4,400,000	\$ 2,310,000	\$ 6,710,000
2015	Bloomdale Pump Station - Emergency Generator No. 1	1,000 KW	\$ 660,000	\$ 346,500	\$ 1,006,500
2015	University Pump Station Phase III Improvements - Add Pump	15 MGD	\$ 550,000	\$ 288,750	\$ 838,750
2016	Bloomdale Pump Station - Phase II	11 MGD	\$ 495,000	\$ 259,875	\$ 754,875
2017	Highland 2.0 MG Elevated Storage Tank	2 MG	\$ 4,180,000	\$ 2,194,500	\$ 6,374,500
	Subtotal: Pumping and Storage Facilities		\$ 46,110,696	\$ 24,208,115	\$ 70,318,811

PLANNING EXPENSES

Year	Project	Capacity	Opinion of Cost (1)	Debt Service (2)	Total Project Cost
2007	Water System Master Plan & Impact Fee Analysis		\$ 298,300	\$ -	\$ 298,300
	Subtotal: Planning Expenses		\$ 298,300	\$ -	\$ 298,300
	GRAND TOTAL: Water Distribution System CIP		\$ 128,258,005	\$ 67,178,847	\$ 195,436,852

Notes:

- (1) Opinion of Cost includes:
 - a) Engineer's Opinion of Construction Cost
 - b) Professional Services Fees (Survey, Engineering, Testing, Legal)
 - c) Cost of Easement or Land Acquisitions)
- (2) Debt Service based on 20-year simple interest bonds at 5%

5. Utilized Capacity

Utilized capacity for the water distribution system was calculated based on the water line size required for each model year (2007, 2017 and build out). Analysis of the water distribution system is based on the maximum daily demand, maximum hourly demand, and the minimum hourly demand. Pump station capacity is generally based on the maximum daily system demand while transmission and distribution facilities are sized based on either the maximum hourly demand or the minimum hourly demand, whichever demand is greater for a particular water line. Often times, the capacity of a water line is determined by the flows generated by the minimum hourly demand. The minimum hourly flows are usually higher in those lines that are used to refill elevated storage. For each line segment in the water distribution model, the build-out flow rate in the line was compared to the flow rate in the same line segment for the 2007 and the 2017 models.

The percent utilized capacity was then calculated for each year based on the build-out capacity. The utilized capacity during the Impact Fee period is the difference between the year 2017 capacity and the year 2007 capacity. **Table No. 8** below summarizes the project cost and utilized cost over the impact fee period of 2007 - 2017 for each element of the Water Distribution System. The utilized capacity for each water distribution facility, both existing and proposed, is presented in detail in Impact Fee Capacity Calculation **Table Nos. 9, 10, 11, 12 and 13.**

Table No. 8

Summary of Eligible Water Distribution Project Cost and Utilized Capacity Cost

Water System Facility	20-Year Project Cost	Utilized Capacity (\$) in the CRP Period
Existing Pump Stations & Storage	\$59,292,086	\$31,614,984
Existing Transmission/Distribution Lines	\$30,322,972	\$6,870,855
Proposed Pump Stations & Storage	\$70,318,811	\$57,120,960
Proposed Transmission/Distribution Lines	\$124,819,741	\$55,560,027
Planning Expenses	\$298,300	\$298,300
Total:	\$285,051,910	\$151,465,126

TABLE NO. 9
Water Pump Station Facilities

Pump Station Improvements	Year Const.	Projected Capacity (MGD)	Pump Station Cost (\$)				Capacity Utilized (%)			Capacity Utilized (\$)				
			Const.	Engineering & Testing	20 Year Debt Service @ 5% Simple Interest	Total 20 Yr. Project Cost \$	2007	2017	In The CRF Period	2007	2017	In The CRF Period		
McKinney Ranch Pump Station														
Original Construction (794)	[3]	**	1986	10.8	\$ 164,200	\$ 16,420	\$ 94,826	\$ 275,446	100.0%	100.0%	0.0%	\$ 275,446	\$ 275,446	\$ -
Original Construction (920)	[3]	**	1987	14.3	\$ 189,700	\$ 18,970	\$ 109,552	\$ 318,222	100.0%	100.0%	0.0%	\$ 318,222	\$ 318,222	\$ -
Phase I Improvements (920)	[4]		1999	20.1	\$ 1,020,172	\$ 103,000	\$ 589,665	\$ 1,712,837	58.0%	99.0%	41.0%	\$ 993,445	\$ 1,695,709	\$ 702,263
Phase II Improvements (920)	[1]		2002	5.0	\$ 157,929	\$ 40,000	\$ 103,913	\$ 301,842	58.0%	99.0%	41.0%	\$ 175,068	\$ 298,824	\$ 123,755
850 Service Area Pumps (850)	[3]		2007	15.0	\$ 4,184,997	\$ 303,285	\$ 103,913	\$ 4,592,195	0.0%	100.0%	100.0%	\$ -	\$ 4,592,195	\$ 4,592,195
Emergency Generator (2 Sets)			2008		\$ 2,200,000	\$ 360,000	\$ 1,344,000	\$ 3,904,000	0.0%	100.0%	100.0%	\$ -	\$ 3,904,000	\$ 3,904,000
University Pump Station														
Phase IA Improvements (920)	[2]	*	2004	20.0	\$2,380,738	\$166,880	\$ 1,337,499	\$ 3,885,117	71.0%	100.0%	29.0%	\$ 2,758,433	\$ 3,885,117	\$ 1,126,684
Phase IB Improvements (850/920)	[4]		2007	60.0	\$5,898,491	\$378,225	\$ 3,295,276	\$ 9,571,992	0.0%	100.0%	100.0%	\$ -	\$ 9,571,992	\$ 9,571,992
Emergency Generator - Set 1			2008		\$1,309,875	\$144,960	\$ 763,788	\$ 2,218,623	0.0%	100.0%	100.0%	\$ -	\$ 2,218,623	\$ 2,218,623
(1) Phase II Improvements (850)	[1]		2009	15.0	\$500,000	\$50,000	\$ 288,750	\$ 838,750	0.0%	100.0%	100.0%	\$ -	\$ 838,750	\$ 838,750
(1) Phase III Improvements (920)	[1]		2015	15.0	\$500,000	\$50,000	\$ 288,750	\$ 838,750	0.0%	23.0%	23.0%	\$ -	\$ 192,913	\$ 192,913
Bloomdale Pump Station														
(1) Phase I Improvements (794/850)	[4]	*	2014	29.0	\$ 7,100,271	\$ 710,027	\$ 4,100,406	\$ 11,910,704	0.0%	72.0%	72.0%	\$ -	\$ 8,575,707	\$ 8,575,707
(1) Emergency Generator - Set 1			2015		\$ 600,000	\$ 60,000	\$ 346,500	\$ 1,006,500	0.0%	50.0%	50.0%	\$ -	\$ 503,250	\$ 503,250
(1) Phase II Improvements (850)	[1]		2016	11.0	\$ 450,000	\$ 45,000	\$ 259,875	\$ 754,875	0.0%	66.0%	66.0%	\$ -	\$ 498,218	\$ 498,218
Total				215.2	\$ 26,656,372	\$ 2,446,767	\$ 13,026,713	\$ 42,129,853				\$ 4,520,615	\$ 37,368,964	\$ 32,848,349

* Includes Property Acquisition

** 10% of Construction Assumed for Engineering and Testing

(1) Estimated Cost in 2007 Dollars

[4] Number of Pumps

TABLE NO. 10
Ground Storage Reservoirs

Pump Station	Year Const.	Capacity (MG)	Capital Cost (\$)				Capacity Utilized (%)			Capacity Utilized (\$)			
			Const.	Eng. & Testing	20 Year Debt Service @ 5% Simple Interest	Total 20 Yr. Project Cost \$	2007	2017	In the CRF Period	2007	2017	In the CRF Period	
EXISTING GROUND STORAGE RESERVOIRS													
McKinney Ranch No. 1 (FM-720)	*	1987	6.0	\$ 2,910,000	\$ 291,000	\$ 1,680,525	\$ 4,881,525	100.0%	100.0%	0.0%	\$ 4,881,525	\$ 4,881,525	\$ -
McKinney Ranch No. 2 (FM-720)	1	2007	10.0	\$ 3,748,480	\$ 335,500	\$ 2,144,090	\$ 6,228,070	0.0%	78.0%	78.0%	\$ -	\$ 4,857,895	\$ 4,857,895
University No. 1	1	2003	6.0	\$ 2,008,499	\$ 150,544	\$ 1,133,498	\$ 3,292,541	90.0%	100.0%	10.0%	\$ 2,963,287	\$ 3,292,541	\$ 329,254
University No. 2	1	2007	10.0	\$ 5,921,753	\$ 257,689	\$ 3,244,207	\$ 9,423,649	0.0%	78.0%	78.0%	\$ -	\$ 7,350,446	\$ 7,350,446
PROPOSED GROUND STORAGE RESERVOIRS													
University No. 3	2*	2011	10.0	\$ 4,000,000	\$ 400,000	\$ 2,310,000	\$ 6,710,000	0.0%	77.0%	77.0%	\$ -	\$ 5,166,700	\$ 5,166,700
Bloomdale No. 1	2*	2014	10.0	\$ 4,000,000	\$ 400,000	\$ 2,310,000	\$ 6,710,000	0.0%	100.0%	100.0%	\$ -	\$ 6,710,000	\$ 6,710,000
Total			52.0	\$ 22,588,732	\$ 1,834,733	\$ 12,822,320	\$ 37,245,785				\$ 7,844,812	\$ 32,259,107	\$ 24,414,295

* 10% of Construction Assumed for Engineering and Testing

(1) Actual Cost

(2) Estimated Cost

TABLE NO. 11
Elevated Storage Tanks

Elevated Storage	Pressure Divide	Year Const.	Storage Capacity (MGD)	Capital Cost (\$)				Capacity Utilized (%)			Capacity Utilized (\$)			
				Const.	Eng. & Testing	20 Year Debt Service @ 5% Simple Interest	Total 20 Yr. Project Cost \$	2007	2017	In the CRF Period	2007	2017	In the CRF Period	
EXISTING ELEVATED STORAGE TANKS														
U.S. 380	2*	794	Unknown	1.5	\$ 550,000	\$ 55,000	\$ -	\$ 605,000	86.0%	95.0%	9.0%	\$ 520,300	\$ 574,750	\$ 54,450
Virgina	1*	920	1993	1.5	\$ 1,234,301	\$ 123,430	\$ 712,809	\$ 2,070,540	100.0%	100.0%	0.0%	\$ 2,070,540	\$ 2,070,540	\$ -
Community	1	920	2002	3.0	\$ 3,313,500	\$ 105,000	\$ 1,794,713	\$ 5,213,213	90.0%	100.0%	10.0%	\$ 4,691,892	\$ 5,213,213	\$ 521,321
Industrial	1	794	2002	2.0	\$ 1,787,500	\$ 70,000	\$ 975,188	\$ 2,832,688	33.0%	84.0%	51.0%	\$ 934,787	\$ 2,379,458	\$ 1,444,671
Wilmeth	1	850	2006	2.0	\$ 2,400,000	\$ 280,137	\$ 1,407,072	\$ 4,087,209	60.0%	83.0%	23.0%	\$ 2,452,325	\$ 3,392,383	\$ 940,058
PROPOSED ELEVATED STORAGE TANKS														
Independence	1	920	2008	3.0	\$ 4,224,000	\$ 196,563	\$ 2,320,796	\$ 6,741,359	0.0%	92.0%	92.0%	\$ -	\$ 6,202,050	\$ 6,202,050
Sorrell	2*	850	2010	2.0	\$ 3,800,000	\$ 380,000	\$ 2,194,500	\$ 6,374,500	0.0%	73.0%	73.0%	\$ -	\$ 4,653,385	\$ 4,653,385
Alma	2*	920	2011	3.0	\$ 5,700,000	\$ 570,000	\$ 3,291,750	\$ 9,561,750	0.0%	88.0%	88.0%	\$ -	\$ 8,414,340	\$ 8,414,340
Ridge	2*	850	2011	2.0	\$ 3,800,000	\$ 380,000	\$ 2,194,500	\$ 6,374,500	0.0%	91.0%	91.0%	\$ -	\$ 5,800,795	\$ 5,800,795
Highland	2*	920	2017	2.0	\$ 3,800,000	\$ 380,000	\$ 2,194,500	\$ 6,374,500	0.0%	54.0%	54.0%	\$ -	\$ 3,442,230	\$ 3,442,230
Total				22.0	\$ 30,609,301	\$ 2,540,130	\$ 17,085,828	\$ 50,235,259				\$ 10,669,844	\$ 42,143,145	\$ 31,473,301

* 10% of Construction Assumed for Engineering and Testing

(1) Actual Cost

(2) Estimated Cost in 2007 Dollars

TABLE NO. 12
Existing Impact Fee Water Lines

Pipe Number	Pressure Plane	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	20 Year Debt Service Utilizing Simple Interest	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
										2007	2017	During Fee Period	2007	2017	During Fee Period
F.M. 720 PUMP STATION 30" WATER LINE															
Pump Station Name Change to McKinney Ranch - Project from McKinney Ranch Pump Station to Hardin															
1	P5573	920	2,282	30	\$61.63	\$140,651		\$73,842	\$214,493	46%	81%	35%	\$98,667	\$173,739	\$75,073
1	P5574	920	287	30	\$61.63	\$17,689		\$9,287	\$26,976	41%	80%	39%	\$11,060	\$21,581	\$10,521
Subtotal:		2,569		1990		\$158,340	5%	\$83,129	\$241,469				\$109,727	\$195,320	\$85,594
VIRGINIA PARKWAY 24" WATER LINE															
From Stonebridge Drive West to the Virginia Elevated Storage Tank															
1	P5023	920	791	24	\$5.61	\$4,434		\$2,328	\$6,762	100%	100%	0%	\$6,762	\$6,762	\$0
1	P5024	920	266	24	\$5.61	\$1,489		\$782	\$2,271	100%	100%	0%	\$2,271	\$2,271	\$0
1	P5069	920	989	24	\$5.61	\$5,544		\$2,911	\$8,455	82%	100%	18%	\$6,933	\$8,455	\$1,522
1	P5070	920	687	24	\$5.61	\$3,849		\$2,021	\$5,870	100%	100%	0%	\$5,870	\$5,870	\$0
1	P5071	920	582	24	\$5.61	\$3,264		\$1,714	\$4,978	100%	100%	0%	\$4,978	\$4,978	\$0
1	P5072	920	1,109	24	\$5.61	\$6,219		\$3,265	\$9,484	100%	100%	0%	\$9,484	\$9,484	\$0
1	P5073	920	298	24	\$5.61	\$1,673		\$878	\$2,551	100%	100%	0%	\$2,551	\$2,551	\$0
1	P5074	920	919	24	\$5.61	\$5,150		\$2,704	\$7,854	100%	100%	0%	\$7,854	\$7,854	\$0
1	P5075	920	713	24	\$5.61	\$3,995		\$2,097	\$6,092	100%	100%	0%	\$6,092	\$6,092	\$0
1	P5076	920	1,148	24	\$5.61	\$6,436		\$3,379	\$9,815	59%	95%	36%	\$5,791	\$9,324	\$3,533
1	P5077	920	552	24	\$5.61	\$3,095		\$1,625	\$4,720	59%	95%	36%	\$2,785	\$4,484	\$1,699
1	P5078	920	469	24	\$5.61	\$2,627		\$1,379	\$4,006	59%	95%	36%	\$2,364	\$3,806	\$1,442
1	P5079	920	376	24	\$5.61	\$2,109		\$1,107	\$3,216	59%	95%	36%	\$1,897	\$3,055	\$1,158
Subtotal:		8,897		1992		\$49,884	5%	\$26,190	\$76,074				\$65,632	\$74,986	\$9,354
CUSTER 16" WATER LINE															
From Stacy Road to Stonebridge Drive															
1	P5399	920	461	16	\$44.97	\$20,734		\$10,885	\$31,619	79%	100%	21%	\$24,979	\$31,619	\$6,640
1	P5400	920	1,281	16	\$44.97	\$57,617		\$30,249	\$87,866	79%	100%	21%	\$69,414	\$87,866	\$18,452
1	P5401	920	1,311	16	\$44.97	\$58,950		\$30,949	\$89,899	82%	100%	18%	\$73,717	\$89,899	\$16,182
1	P5402	920	3,005	16	\$44.97	\$135,140		\$70,949	\$206,089	86%	100%	14%	\$177,237	\$206,089	\$28,852
Subtotal:		6,059		1996		\$272,440	5%	\$143,032	\$415,473				\$345,347	\$415,473	\$70,126
F.M. 720 PARALLEL 42" WATER LINE															
F.M. 720 Now Called McKinney Ranch - Project Begins at McKinney Ranch Pump Station and Ends at Lake Forest Drive															
2	P5544	920	59	20	\$170.38	\$10,092		\$5,298	\$15,390	68%	93%	25%	\$10,465	\$14,313	\$3,848
2	P5545	920	42	42	\$170.38	\$7,158		\$3,758	\$10,916	68%	93%	25%	\$7,423	\$10,152	\$2,729
2	P5578	920	8,018	42	\$170.38	\$1,366,121		\$717,213	\$2,083,334	64%	82%	18%	\$1,333,334	\$1,708,334	\$375,000
2	P7573	920	131	42	\$170.38	\$22,321		\$11,719	\$34,040	52%	78%	26%	\$17,701	\$26,551	\$8,850
Subtotal:		8,250		1999		\$1,405,692	5%	\$737,988	\$2,143,680				\$1,368,923	\$1,759,350	\$390,427

TABLE NO. 12
Existing Impact Fee Water Lines

Pipe Number	Pressure Plane	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	20 Year Debt Service Utilizing Simple Interest	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
										2007	2017	During Fee Period	2007	2017	During Fee Period
CUSTER 16" WATER LINE															
From Stone Bridge Drive to Cotton Bridge (Pipes 5135, 5295, 5296 & 5297 to be Adandoned in 2009 with Custer Utility Relocations)															
2	P5135	920	2,330	16	\$104.00	\$242,328		\$127,223	\$369,551	100%	100%	0%	\$369,551	\$369,551	\$0
2	P5295	920	1,700	16	\$104.00	\$176,849		\$92,846	\$269,695	100%	100%	0%	\$269,695	\$269,695	\$0
2	P5296	920	2,666	16	\$104.00	\$277,273		\$145,569	\$422,842	100%	100%	0%	\$422,842	\$422,842	\$0
2	P5297	920	1,372	16	\$104.00	\$142,637		\$74,885	\$217,522	100%	100%	0%	\$217,522	\$217,522	\$0
2	P5298	920	2,042	16	\$104.00	\$212,350		\$111,484	\$323,834	37%	100%	63%	\$119,818	\$323,834	\$204,015
Subtotal:			10,110			\$1,051,437	5%	\$552,007	\$1,603,444				\$1,399,428	\$1,603,444	\$204,015
INDUSTRIAL 2-MG ELEVATED STORAGE TANK WATER LINE															
From Industrial Elevated Storage Tank to McDonald															
2	P1304	794	561	24	\$229.94	\$128,893		\$67,669	\$196,562	33%	84%	51%	\$64,865	\$165,112	\$100,247
Subtotal:			561			\$128,893	5%	\$67,669	\$196,562				\$64,865	\$165,112	\$100,247
ALMA ROAD 24-INCH WATER LINE															
From Eldorado Pkwy. South to Community 3-MG Elevated Storage Tank															
1	P5403	920	1,146	24	\$157.47	\$180,391		\$94,705	\$275,096	53%	87%	34%	\$145,801	\$239,334	\$93,533
1	P5404	920	897	24	\$157.47	\$141,275		\$74,169	\$215,444	53%	87%	34%	\$114,185	\$187,436	\$73,251
1	P5405	920	674	24	\$157.47	\$106,120		\$55,713	\$161,833	52%	87%	35%	\$84,153	\$140,795	\$56,642
1	P5406	920	140	24	\$157.47	\$22,011		\$11,556	\$33,567	88%	89%	1%	\$29,539	\$29,875	\$336
Subtotal:			2,856			\$449,797	5%	\$236,143	\$685,940				\$373,678	\$597,440	\$223,762
ELDORADO 20-INCH WATER LINE															
From Alma Road to Custer Road															
1	P5301	920	1,375	20	\$14.31	\$19,676		\$10,330	\$30,006	26%	100%	74%	\$7,802	\$30,006	\$22,204
1	P5370	920	2,023	20	\$14.31	\$28,945		\$15,196	\$44,141	37%	96%	59%	\$16,332	\$42,375	\$26,043
1	P5371	920	116	20	\$14.31	\$1,661		\$872	\$2,533	80%	96%	16%	\$2,026	\$2,432	\$405
1	P6154	920	1,986	20	\$14.31	\$28,420		\$14,921	\$43,341	23%	100%	77%	\$9,968	\$43,341	\$33,373
Subtotal:			5,500			\$78,702	5%	\$41,319	\$120,021				\$36,128	\$118,154	\$82,025
GERRISH PUMP STATION / AIRPORT BLVD. 36-INCH WATER LINES															
From Gerrish Pump Station East to Airport Blvd. and Airport Blvd. from U.S. 380 to Industrial Blvd															
2	P1059	794	532	36	\$114.53	\$60,982		\$32,016	\$92,998	100%	100%	0%	\$92,998	\$92,998	\$0
2	P1192	794	2,197	36	\$114.53	\$251,653		\$132,118	\$383,771	20%	50%	30%	\$76,754	\$191,886	\$115,131
2	P1193	794	952	36	\$114.53	\$108,983		\$57,216	\$166,199	21%	50%	29%	\$34,902	\$83,100	\$48,198
2	P1194	794	2,918	36	\$114.53	\$334,256		\$175,484	\$509,740	24%	49%	25%	\$122,338	\$249,773	\$127,435
2	P1195	794	3,874	36	\$114.53	\$443,693		\$232,939	\$676,632	29%	72%	43%	\$196,223	\$487,175	\$290,952
2	P1360	794	2,217	36	\$114.53	\$253,971		\$133,335	\$387,306	100%	100%	0%	\$387,306	\$387,306	\$0
Subtotal:			12,691			\$1,453,539	5%	\$763,108	\$2,216,646				\$910,521	\$1,492,238	\$581,716

TABLE NO. 12
Existing Impact Fee Water Lines

Pipe Number	Pressure Plane	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	20 Year Debt Service Utilizing Simple Interest	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)				
										2007	2017	During Fee Period	2007	2017	During Fee Period		
UNIVERSITY 36-INCH WATER LINE - DISCHARGE LINE 1																	
From Univeristy Pump Station to U.S. 380; East Along U.S. 380 to Stonebridge Drive																	
2	P5000	920	1,916	36		\$224.18		\$429,617		\$225,549	\$655,166	100%	100%	0%	\$655,166	\$655,166	\$0
2	P5004	920	35	36		\$224.18		\$7,936		\$4,166	\$12,102	100%	100%	0%	\$12,102	\$12,102	\$0
2	P7079	920	49	36		\$224.18		\$10,924		\$5,735	\$16,659	100%	100%	0%	\$16,659	\$16,659	\$0
2	P7080	920	707	36		\$224.18		\$158,404		\$83,162	\$241,566	100%	100%	0%	\$241,566	\$241,566	\$0
Subtotal:			2,707		2003			\$606,881	5%	\$318,612	\$925,493				\$925,493	\$925,493	\$0
HARDIN BLVD. 36-INCH WATER LINE - PHASE V																	
From Virginia Pkwy. to U.S. 380																	
2	P3090	850	2,433	36		\$159.83		\$388,895		\$204,170	\$593,065	84%	100%	16%	\$498,175	\$593,065	\$94,890
2	P3091	850	4,383	36		\$159.83		\$700,589		\$367,809	\$1,068,398	83%	100%	17%	\$886,770	\$1,068,398	\$181,628
2	P3092	850	1,267	36		\$159.83		\$202,516		\$106,321	\$308,837	81%	100%	19%	\$250,158	\$308,837	\$58,679
Subtotal:			8,083		2003			\$1,292,000	5%	\$678,300	\$1,970,300				\$1,635,103	\$1,970,300	\$335,197
HARDIN NORTH WATER LINE - PHASE I																	
From U.S. 380 North to Buchanan (Constructed with President's Point)																	
1	P3036	850	1,109	36		\$272.00		\$301,778		\$158,433	\$460,211	96%	100%	4%	\$441,803	\$460,211	\$18,408
1	P3037	850	1,264	36		\$272.00		\$343,764		\$180,476	\$524,240	94%	100%	6%	\$492,786	\$524,240	\$31,454
Subtotal:			2,373		2002			\$347,000	5%	\$338,909	\$984,451				\$934,589	\$984,451	\$49,862
850 WILMETH WATER MAIN - PHASE 1																	
Along Hardin Blvd from Buchanan to Wilmeth Road																	
2	P3038	850	3,414	36		\$142.47		\$486,475		\$255,399	\$741,874	89%	100%	11%	\$660,268	\$741,874	\$81,606
2	P3039	850	777	36		\$142.47		\$110,774		\$58,156	\$168,930	86%	100%	14%	\$145,280	\$168,930	\$23,650
2	P3040	850	82	36		\$142.47		\$11,655		\$6,119	\$17,774	81%	100%	19%	\$14,397	\$17,774	\$3,377
2	P3041	850	707	20		\$142.47		\$100,695		\$52,865	\$153,560	70%	76%	6%	\$107,492	\$116,706	\$9,214
Subtotal:			4,981		2005			\$709,599	5%	\$372,539	\$1,082,138				\$927,437	\$1,045,284	\$117,847
850 WILMETH WATER MAIN - PHASE 2																	
Along Wilmeth from Hardin to C.R. 943; North Along C.R. 943 2,880-ft; West to Lake Forest Drive; South Along Lake Forest Drive to Wilmeth Road																	
2	P3010	850	1,733	36		\$142.47		\$246,896		\$129,620	\$376,516	95%	100%	5%	\$357,690	\$376,516	\$18,826
2	P3011	850	1,095	36		\$142.47		\$156,073		\$81,938	\$238,011	100%	100%	0%	\$238,011	\$238,011	\$0
2	P3026	850	2,896	24		\$142.47		\$412,559		\$216,593	\$629,152	100%	100%	0%	\$629,152	\$629,152	\$0
2	P3027	850	2,303	24		\$142.47		\$328,092		\$172,248	\$500,340	100%	100%	0%	\$500,340	\$500,340	\$0
2	P3028	850	1,861	24		\$142.47		\$265,196		\$139,228	\$404,424	100%	100%	0%	\$404,424	\$404,424	\$0
2	P3030	850	1,019	24		\$142.47		\$145,217		\$76,239	\$221,456	100%	100%	0%	\$221,456	\$221,456	\$0
2	P3031	850	3,671	24		\$142.47		\$522,988		\$274,569	\$797,557	100%	100%	0%	\$797,557	\$797,557	\$0
Subtotal:			14,578		2005			\$2,077,023	5%	\$1,090,435	\$3,167,456				\$3,148,630	\$3,167,456	\$18,826

TABLE NO. 12
Existing Impact Fee Water Lines

Pipe Number	Pressure Plane	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	20 Year Debt Service Utilizing Simple Interest	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
										2007	2017	During Fee Period	2007	2017	During Fee Period
850 LOOPED SYSTEM NORTH															
From University Pump Station East to Future Ridge Road; Along Future Ridge Road North to Wilmeth Road; East Along Wilmeth Road to Lake Forest Drive															
2	P3000	850	3,509	36	\$142.47	\$499,879		\$262,436	\$762,315	67%	72%	5%	\$510,751	\$548,867	\$38,116
2	P3002	850	1,373	36	\$142.47	\$195,643		\$102,713	\$298,356	71%	73%	2%	\$211,833	\$217,800	\$5,967
2	P3003	850	754	36	\$142.47	\$107,397		\$56,383	\$163,780	72%	74%	2%	\$117,922	\$121,197	\$3,276
2	P3004	850	4,450	36	\$142.47	\$634,024		\$332,863	\$966,887	51%	69%	18%	\$493,112	\$667,152	\$174,040
2	P3005	850	1,521	36	\$142.47	\$216,696		\$113,765	\$330,461	51%	69%	18%	\$168,535	\$228,018	\$59,483
2	P3006	850	2,396	36	\$142.47	\$341,331		\$179,199	\$520,530	95%	95%	0%	\$494,504	\$494,504	\$0
2	P3007	850	751	36	\$142.47	\$107,054		\$56,203	\$163,257	100%	100%	0%	\$163,257	\$163,257	\$0
2	P3008	850	817	36	\$142.47	\$116,391		\$61,105	\$177,496	100%	100%	0%	\$177,496	\$177,496	\$0
2	P3009	850	1,153	36	\$142.47	\$164,318		\$86,267	\$250,585	100%	100%	0%	\$250,585	\$250,585	\$0
Subtotal:			16,724			\$2,382,732	5%	\$1,250,934	\$3,633,667				\$2,587,995	\$2,868,876	\$280,882
STONEBRIDGE 48-INCH WATERMAIN															
U.S. 380 to Lacima Drive															
2	P5686	920	116	48	\$382.29	\$44,506		\$23,366	\$67,872	100%	100%	0%	\$67,872	\$67,872	\$0
2	P5687	920	1,001	48	\$382.29	\$382,786		\$200,963	\$583,749	41%	91%	50%	\$239,337	\$531,212	\$291,875
2	P5688	920	1,014	48	\$382.29	\$387,798		\$203,594	\$591,392	41%	91%	50%	\$242,471	\$538,167	\$295,696
2	P5690	920	954	48	\$382.29	\$364,589		\$191,409	\$555,998	40%	91%	51%	\$222,399	\$505,958	\$283,559
Subtotal:			3,086			\$1,179,678	5%	\$619,332	\$1,799,011				\$772,079	\$1,643,209	\$871,130
36-INCH & 48INCH WATERLINE FROM VIRGINIA TO STONEBRIDGE															
Along Lacima Dr. from Stonebridge Dr. to Bristol Dr.; Along Bristol Dr. from Lacima Dr. to St. Gabriel Dr.; Along St. Gabriel Dr. from Bristol Dr. to Virginia Pkwy.															
2	P5691	920	768	48	\$382.29	\$293,697		\$154,191	\$447,888	41%	91%	50%	\$183,634	\$407,578	\$223,944
2	P5692	920	262	48	\$382.29	\$100,171		\$52,590	\$152,761	40%	91%	51%	\$61,104	\$139,013	\$77,908
2	P5693	920	2,850	36	\$382.29	\$1,089,378		\$571,923	\$1,661,301	81%	91%	10%	\$1,345,654	\$1,511,784	\$166,130
2	P5694	920	482	36	\$382.29	\$184,149		\$96,678	\$280,827	83%	91%	8%	\$233,086	\$255,553	\$22,466
Subtotal:			4,362			\$1,667,395	5%	\$875,382	\$2,542,777				\$1,823,478	\$2,313,928	\$490,448
ALMA ROAD 24-INCH WATER LINE (CRAIG RANCH NORTH)															
From Community 3-MG Elevated Storage Tank South to C.R. 152															
1	P5407	920	293	24	\$596.91	\$174,973		\$0	\$174,973	51%	95%	44%	\$89,236	\$166,224	\$76,988
1	P5408	920	632	24	\$596.91	\$377,419		\$0	\$377,419	44%	94%	50%	\$166,064	\$354,774	\$188,710
1	P5409	920	831	24	\$596.91	\$495,759		\$0	\$495,759	45%	94%	49%	\$223,092	\$466,013	\$242,922
1	P5410	920	265	24	\$596.91	\$158,210		\$0	\$158,210	50%	94%	44%	\$79,105	\$148,717	\$69,612
1	P5411	920	704	24	\$596.91	\$419,978		\$0	\$419,978	51%	94%	43%	\$214,189	\$394,779	\$180,591
1	P5412	920	77	24	\$596.91	\$45,890		\$0	\$45,890	96%	100%	4%	\$44,054	\$45,890	\$1,836
Subtotal:			2,801			\$1,672,230	0%	\$0	\$1,672,229				\$815,740	\$1,576,397	\$760,659

TABLE NO. 12
Existing Impact Fee Water Lines

Pipe Number	Pressure Plane	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	20 Year Debt Service Utilizing Simple Interest	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)			
										2007	2017	During Fee Period	2007	2017	During Fee Period	
LAKE FOREST DRIVE 30-INCH WATER LINE (WAL-MART)																
From McKinney Ranch Parkway South 1,400-ft																
1	P5582	920	1,373	30		\$148.06	\$203,232		\$106,697	\$309,929	94%	100%	6%	\$291,333	\$309,929	\$18,596
Subtotal:		1,373	2004			\$203,232	5%	\$106,697	\$309,929					\$291,333	\$309,929	\$18,596
VILLAGE PARK - PHASE 1 - 20", 30" & 36" WATER LINE (LAKE FOREST DR., COLLIN/MCKINNEY PKWY. & RIDGE ROAD)																
20" - Ridge Road from Stacy Road to McKinney Ranch Parkway; 30" - Lake Forest Drive from 1,400-ft South of McKinney Ranch Parkway to Collin/McKinney Parkway; 36" - Collin McKinney Parkway from Lake Forest Drive to 1,900-ft West																
1	P5583	920	1,087	30		\$50.51	\$54,892		\$28,818	\$83,710	94%	100%	6%	\$78,687	\$83,710	\$5,023
1	P5584	920	711	30		\$50.51	\$35,927		\$18,862	\$54,789	100%	100%	0%	\$54,789	\$54,789	\$0
1	P5606	920	666	36		\$50.51	\$33,644		\$17,663	\$51,307	44%	83%	39%	\$22,575	\$42,585	\$20,010
1	P5607A	920	1,900	36		\$50.51	\$95,963		\$50,381	\$146,344	46%	84%	38%	\$67,318	\$122,929	\$55,611
1	P5586	920	1,054	20		\$50.51	\$53,225		\$27,943	\$81,168	75%	76%	1%	\$60,876	\$61,688	\$812
1	P5587	920	434	20		\$50.51	\$21,911		\$11,503	\$33,414	80%	100%	20%	\$26,731	\$33,414	\$6,683
1	P5588	920	1,331	20		\$50.51	\$67,221		\$35,291	\$102,512	66%	100%	34%	\$67,658	\$102,512	\$34,854
1	P6017	920	624	20		\$50.51	\$31,523		\$16,550	\$48,073	15%	100%	85%	\$7,211	\$48,073	\$40,862
Subtotal:		7,807	2004			\$394,306	5%	\$207,011	\$601,317					\$385,845	\$549,700	\$163,855
COLLIN/MCKINNEY 30" & 36" WATER LINE (CRAIG RANCH INFRASTRUCTURE) (VCIM 1)																
From 1,900-ft West of Lake Forest Drive to Alma Drive																
1	P5607B	920	1,584	36		\$81.13	\$128,513		\$0	\$128,513	46%	84%	38%	\$59,116	\$107,951	\$48,835
1	P5682	920	358	30		\$81.13	\$29,057		\$0	\$29,057	46%	84%	38%	\$13,366	\$24,408	\$11,042
1	P5608	920	3,739	30		\$81.13	\$303,350		\$0	\$303,350	50%	84%	34%	\$151,675	\$254,814	\$103,139
1	P5609	920	603	30		\$81.13	\$48,930		\$0	\$48,930	50%	85%	35%	\$24,465	\$41,591	\$17,126
Subtotal:		6,284	2004			\$509,851	0%	\$0	\$509,850					\$248,622	\$428,764	\$180,142
COLLIN/MCKINNEY 20" & 24" WATER LINE (CRAIG RANCH INFRASTRUCTURE) (VCIM 1)																
From Alma Drive to TPC Drive																
1	P5610	920	299	20		\$81.13	\$24,284		\$0	\$24,284	50%	85%	35%	\$12,142	\$20,641	\$8,499
1	P5618	920	495	24		\$81.13	\$40,175		\$0	\$40,175	28%	66%	38%	\$11,249	\$26,516	\$15,267
1	P5619	920	307	24		\$81.13	\$24,904		\$0	\$24,904	28%	67%	39%	\$6,973	\$16,686	\$9,713
1	P5620	920	294	24		\$81.13	\$23,826		\$0	\$23,826	29%	68%	39%	\$6,910	\$16,202	\$9,292
1	P5621	920	238	24		\$81.13	\$19,298		\$0	\$19,298	30%	68%	38%	\$5,789	\$13,123	\$7,333
1	P5622	920	290	24		\$81.13	\$23,564		\$0	\$23,564	30%	68%	38%	\$7,069	\$16,024	\$8,954
1	P5623	920	298	24		\$81.13	\$24,145		\$0	\$24,145	30%	69%	39%	\$7,244	\$16,660	\$9,417
1	P5624	920	290	24		\$81.13	\$23,550		\$0	\$23,550	31%	69%	38%	\$7,301	\$16,250	\$8,949
1	P5625	920	296	24		\$81.13	\$24,001		\$0	\$24,001	31%	70%	39%	\$7,440	\$16,801	\$9,360
1	P5626	920	220	24		\$81.13	\$17,839		\$0	\$17,839	30%	69%	39%	\$5,352	\$12,309	\$6,957
1	P5627	920	586	24		\$81.13	\$47,510		\$0	\$47,510	31%	70%	39%	\$14,728	\$33,257	\$18,529
1	P5628	920	597	24		\$81.13	\$48,446		\$0	\$48,446	25%	66%	41%	\$12,112	\$31,974	\$19,863
1	P5629	920	922	24		\$81.13	\$74,838		\$0	\$74,838	23%	74%	51%	\$17,213	\$55,380	\$38,167
Subtotal:		5,132	2004			\$416,381	0%	\$0	\$416,380					\$121,522	\$291,823	\$170,300

TABLE NO. 12
Existing Impact Fee Water Lines

Pipe Number	Pressure Plane	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	20 Year Debt Service Utilizing Simple Interest	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
										2007	2017	During Fee Period	2007	2017	During Fee Period
ALMA ROAD 24-INCH WATER LINE (CRAIG RANCH INFRASTRUCTURE) (VCIM 1)															
From Collin/McKinney Parkway to S.H. 121															
1	P5611	920	879	20	\$81.13	\$71,305		\$0	\$71,305	18%	92%	74%	\$12,835	\$65,601	\$52,766
1	P5612	920	349	20	\$81.13	\$28,346		\$0	\$28,346	9%	91%	82%	\$2,551	\$25,795	\$23,244
1	P5613	920	347	20	\$81.13	\$28,136		\$0	\$28,136	0%	90%	90%	\$0	\$25,322	\$25,322
1	P5616	920	624	20	\$81.13	\$50,664		\$0	\$50,664	17%	63%	46%	\$8,613	\$31,918	\$23,305
1	P5617	920	583	20	\$81.13	\$47,264		\$0	\$47,264	18%	66%	48%	\$8,508	\$31,194	\$22,687
Subtotal:			2,782			\$225,715	0%	\$0	\$225,715				\$32,507	\$179,830	\$147,324
WESTRIDGE WATER LINE															
From Custer Road to the Independence Elevated Storage Tank															
1	P5148	920	1,100	20	\$41.31	\$45,438		\$23,855	\$69,293	23%	88%	65%	\$15,937	\$60,978	\$45,040
1	P5149	920	578	20	\$41.31	\$23,868		\$12,531	\$36,399	34%	89%	55%	\$12,376	\$32,395	\$20,019
1	P5150	920	1,106	18	\$41.31	\$45,673		\$23,978	\$69,651	36%	89%	53%	\$25,074	\$61,989	\$36,915
1	P5151	920	2,689	18	\$41.31	\$111,067		\$58,310	\$169,377	47%	89%	42%	\$79,607	\$150,746	\$71,138
1	P5160	920	867	24	\$41.31	\$35,798		\$18,794	\$54,592	5%	92%	87%	\$2,730	\$50,225	\$47,495
Subtotal:			6,339			\$261,844	5%	\$137,468	\$399,312				\$135,724	\$356,333	\$220,607
INDEPENDENCE 20-INCH WATER LINE															
From Westridge Blvd. to 650-ft South of Virginia Pwky.															
1	P5136	920	1,664	20	\$46.75	\$77,803		\$40,847	\$118,650	0%	97%	97%	\$0	\$115,091	\$115,091
1	P5137	920	1,005	20	\$46.75	\$46,980		\$24,665	\$71,645	0%	96%	96%	\$0	\$68,779	\$68,779
1	P5138	920	259	20	\$46.75	\$12,128		\$6,367	\$18,495	2%	96%	94%	\$370	\$17,755	\$17,385
1	P5567	920	1,706	20	\$46.75	\$79,761		\$41,875	\$121,636	0%	97%	97%	\$0	\$117,987	\$117,987
Subtotal:			4,635			\$216,672	5%	\$113,754	\$330,426				\$370	\$319,612	\$319,242
STACY ROAD WATER LINE															
From S.H. 121 to Alma Road															
1	P6013	920	445	20	\$55.40	\$24,653		\$0	\$24,653	0%	45%	45%	\$0	\$11,094	\$11,094
1	P6014	920	1,486	20	\$55.40	\$82,333		\$0	\$82,333	0%	57%	57%	\$0	\$46,930	\$46,930
1	P6016	920	2,148	20	\$54.65	\$117,361		\$0	\$117,361	50%	88%	38%	\$58,681	\$103,278	\$44,597
1	P6018	920	1,357	24	\$82.11	\$111,452		\$0	\$111,452	40%	88%	48%	\$44,581	\$98,078	\$53,497
1	P6019	920	1,395	24	\$82.11	\$114,552		\$0	\$114,552	41%	88%	47%	\$46,966	\$100,806	\$53,839
Subtotal:			6,831			\$450,351	0%	\$0	\$450,351				\$150,228	\$360,186	\$209,957

TABLE NO. 12
Existing Impact Fee Water Lines

Pipe Number	Pressure Plane	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	20 Year Debt Service Utilizing Simple Interest	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)			
										2007	2017	During Fee Period	2007	2017	During Fee Period	
MCKINNEY RANCH 16-INCH WATER LINE																
From Ridge Road to Stacy Road																
1	P6024	920	1,666	16		\$34.40	\$57,313		\$0	\$57,313	23%	88%	65%	\$13,182	\$50,435	\$37,253
1	P6026	920	2,331	16		\$34.40	\$80,179		\$0	\$80,179	45%	100%	55%	\$36,081	\$80,179	\$44,098
Subtotal:		3,997		2007		\$137,492	0%	\$0	\$137,492					\$49,263	\$130,614	\$81,351
COLLIN/MCKINNEY 20-INCH WATER LINE - (CRAIG RANCH INFRASTRUCTURE) (VCIM 2)																
From Boston Road to Custer Road																
1	P5678	920	1,057	20		\$115.24	\$121,775		\$0	\$121,775	13%	84%	71%	\$15,831	\$102,291	\$86,460
1	P5679	920	1,335	20		\$115.24	\$153,888		\$0	\$153,888	12%	83%	71%	\$18,467	\$127,727	\$109,260
Subtotal:		2,392		2007		\$275,663	0%	\$0	\$121,775					\$15,831	\$102,291	\$86,460
ALMA ROAD 24-INCH WATER LINE - (CRAIG RANCH INFRASTRUCTURE) (VCIM 2)																
From Stacy Road to Collin/McKinney Pkwy.																
1	P6027	920	1,138	24		\$115.24	\$131,137		\$0	\$131,137	50%	92%	42%	\$65,569	\$120,646	\$55,078
1	P6028	920	722	24		\$115.24	\$83,188		\$0	\$83,188	49%	92%	43%	\$40,762	\$76,533	\$35,771
1	P6029	920	600	24		\$115.24	\$69,110		\$0	\$69,110	49%	91%	42%	\$33,864	\$62,890	\$29,026
1	P6030	920	729	24		\$115.24	\$83,958		\$0	\$83,958	48%	91%	43%	\$40,300	\$76,402	\$36,102
1	P6031	920	447	24		\$115.24	\$51,508		\$0	\$51,508	48%	91%	43%	\$24,724	\$46,872	\$22,148
Subtotal:		3,635		2007		\$418,901	0%	\$0	\$418,901					\$205,219	\$383,343	\$178,125
CUSTER ROAD 16-INCH WATER LINE - (CRAIG RANCH INFRASTRUCTURE) (VCIM 2)																
From Stacy Road to Town Crossing (2,720-ft South of Boston Road)																
1	P5665	920	1,561	16		\$115.24	\$179,898		\$0	\$179,898	28%	94%	66%	\$50,371	\$169,104	\$118,733
1	P5666	920	1,113	16		\$115.24	\$128,294		\$0	\$128,294	28%	94%	66%	\$35,922	\$120,596	\$84,674
1	P5667	920	917	16		\$115.24	\$105,693		\$0	\$105,693	29%	94%	65%	\$30,651	\$99,351	\$68,700
1	P6037	920	1,290	16		\$115.24	\$148,692		\$0	\$148,692	100%	100%	0%	\$148,692	\$148,692	\$0
1	P6038	920	1,430	16		\$115.24	\$164,811		\$0	\$164,811	40%	56%	16%	\$65,924	\$92,294	\$26,370
1	P6042	920	1,712	16		\$115.24	\$197,305		\$0	\$197,305	31%	94%	63%	\$61,165	\$185,467	\$124,302
Subtotal:		8,024		2007		\$924,693	0%	\$0	\$924,693					\$392,725	\$815,504	\$422,779
EXISTING TOTAL:		176,419				\$21,418,360			\$8,759,958	\$30,322,972				\$20,273,982	\$27,144,840	\$6,870,855

1 - City Participated in Cost Oversize
2 - City Initiated and Funded

TABLE NO. 13 Proposed Impact Fee Water Lines

*Average Unit costs are based in 2007 dollars unless otherwise indicated and includes 15% for engineering and easements.

Pipe Number	Pressure Plane	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	20 Year Debt Service Utilizing Simple Interest	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
										2007	2017	During Fee Period	2007	2017	During Fee Period
BRISTOL / CUSTER 42-INCH WATER LINE															
Bristol Drive from Lacima to Custer & Custer from Bristol Drive to Virginia Parkway															
2	P6150 *	920	4,893	42		\$432.00		\$1,109,664	\$3,223,310	0%	88%	88%	\$0	\$2,836,513	\$2,836,513
2	P6151 *	920	718	42		\$432.00		\$162,874	\$473,110	0%	93%	93%	\$0	\$439,992	\$439,992
2	P6152 *	920	2,320	42		\$432.00		\$526,142	\$1,528,317	0%	93%	93%	\$0	\$1,421,335	\$1,421,335
Subtotal:						7,931	2008	\$3,426,057	5%	\$1,798,680	\$5,224,737		\$0	\$4,697,840	\$4,697,840
CUSTER ROAD UTILITY RELOCATION															
From Virginia Parkway to Eldorado Parkway															
2	P6153 *	920	974	36		\$374.00		\$191,274	\$555,606	0%	93%	93%	\$0	\$516,714	\$516,714
2	P6155 *	920	1,619	36		\$374.00		\$317,804	\$923,145	0%	100%	100%	\$0	\$923,145	\$923,145
2	P6156 *	920	2,372	36		\$374.00		\$465,704	\$1,352,760	0%	100%	100%	\$0	\$1,352,760	\$1,352,760
2	P6168 *	920	1,807	30		\$220.00		\$208,695	\$606,209	0%	100%	100%	\$0	\$606,209	\$606,209
2	P6169 *	920	2,544	30		\$220.00		\$293,785	\$853,375	0%	100%	100%	\$0	\$853,375	\$853,375
2	P6170 *	920	1,413	30		\$220.00		\$163,160	\$473,941	0%	100%	100%	\$0	\$473,941	\$473,941
Subtotal:						10,728	2008	\$3,124,614	5%	\$1,640,422	\$4,765,036		\$0	\$4,726,144	\$4,726,144
794 VIRGINIA PKWY. 12-INCH PARALLEL LINE															
From 480-ft West of Dogwood Trail to U.S. 75 and Along U.S. 75 510-ft South of Virginia Pkwy. to Rockhill Road															
2	P3354 *	794	859	12		\$102.00		\$46,007	\$133,640	0%	100%	100%	\$0	\$133,640	\$133,640
2	P3355 *	794	586	12		\$102.00		\$31,365	\$91,107	0%	69%	69%	\$0	\$62,864	\$62,864
2	P3356 *	794	1,012	12		\$102.00		\$54,166	\$157,340	0%	57%	57%	\$0	\$89,684	\$89,684
2	P4082 *	794	1,010	12		\$102.00		\$54,084	\$157,100	0%	87%	87%	\$0	\$136,677	\$136,677
Subtotal:						3,466	2008	\$353,565	5%	\$185,622	\$539,187		\$0	\$422,865	\$422,865
ELDORADO PKWY. / STONEBRIDGE DRIVE INTERSECTION 20-INCH WATER LINE															
Intersection of Eldorado Parkway and Stone Bridge Drive - Replace Existing 12" Water Line with 20" Water Line by Bore															
2	P6183 *	920	200	20		\$500.00		\$52,500	\$152,500	0%	100%	100%	\$0	\$152,500	\$152,500
Subtotal:						200	2009	\$100,000	5%	\$52,500	\$152,500		\$0	\$152,500	\$152,500
U.S. 380 36-INCH WATER LINE															
From Univeristy Pump Station to Hardin Road															
2	P4084 *	850	5,681	36		\$374.00		\$1,115,478	\$3,240,198	0%	72%	72%	\$0	\$2,332,943	\$2,332,943
2	P4085 *	850	3,692	36		\$374.00		\$724,883	\$2,105,612	0%	92%	92%	\$0	\$1,937,163	\$1,937,163
2	P4086 *	850	2,150	36		\$374.00		\$422,080	\$1,226,042	0%	96%	96%	\$0	\$1,177,000	\$1,177,000
2	P4087 *	850	166	36		\$374.00		\$32,689	\$94,953	0%	100%	100%	\$0	\$94,953	\$94,953
2	P4088 *	850	1,005	30		\$264.00		\$139,233	\$404,439	0%	100%	100%	\$0	\$404,439	\$404,439
2	P4089 *	850	3,678	30		\$264.00		\$509,740	\$1,480,674	0%	100%	100%	\$0	\$1,480,674	\$1,480,674
2	P4090 *	850	905	30		\$264.00		\$125,463	\$364,441	0%	100%	100%	\$0	\$364,441	\$364,441
Subtotal:						17,277	2009	\$5,846,793	5%	\$3,069,566	\$8,916,359		\$0	\$7,791,613	\$7,791,613

TABLE NO. 13
Proposed Impact Fee Water Lines

*Average Unit costs are based in 2007 dollars unless otherwise indicated and includes 15% for engineering and easements.

Pipe Number	Pressure Plane	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	20 Year Debt Service Utilizing Simple Interest	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)			
										2007	2017	During Fee Period	2007	2017	During Fee Period	
UNIVERSITY PUMP STATION DISCHARGE LINE NO. 2																
From University Pump Station West to Future Stonebridge Drive; South Along Future Stonebridge Drive to U.S. 380; U.S. 380 to Custer Road																
2	P6090 *	920	209	48		\$468.00		\$97,676	\$51,280	\$148,956	0%	100%	100%	\$0	\$148,956	\$148,956
2	P6091 *	920	503	48		\$468.00		\$235,633	\$123,708	\$359,341	0%	84%	84%	\$0	\$301,847	\$301,847
2	P6148 *	920	1,700	66		\$660.00		\$1,121,736	\$588,911	\$1,710,647	0%	53%	53%	\$0	\$906,643	\$906,643
2	P6149 *	920	3,550	30		\$264.00		\$937,086	\$491,970	\$1,429,056	0%	55%	55%	\$0	\$785,981	\$785,981
2	P7061 *	920	113	48		\$468.00		\$52,955	\$27,801	\$80,756	0%	64%	64%	\$0	\$51,684	\$51,684
Subtotal:			6,075		2009			\$2,445,087	5%	\$1,283,670				\$0	\$2,195,111	\$2,195,111
STACY ROAD 24-INCH WATER LINE																
From Alma Road East East 2,756-ft																
1	P2008 *	920	1,963	24		\$114.00		\$223,782	\$117,486	\$341,268	0%	89%	89%	\$0	\$303,729	\$303,729
1	P2014 *	920	793	24		\$114.00		\$90,402	\$47,461	\$137,863	0%	88%	88%	\$0	\$121,319	\$121,319
Subtotal:			2,756		2009			\$314,184	5%	\$164,947				\$0	\$425,048	\$425,048
S.H. 5 36-INCH WATER LINE																
From Bloomdale Road to Future Willowood																
1	P2000 *	794	6,647	36		\$272.00		\$1,808,011	\$949,206	\$2,757,217	0%	6%	6%	\$0	\$165,433	\$165,433
Subtotal:			6,647		2010			\$1,808,011	5%	\$949,206				\$0	\$165,433	\$165,433
WILLOWOOD 24-INCH WATER LINE																
From S.H. 5 East Along Future Thoroughfare																
1	P2008 *	794	4,186	24		\$114.00		\$477,197	\$250,529	\$727,726	0%	7%	7%	\$0	\$50,941	\$50,941
1	P2014 *	794	2,827	24		\$114.00		\$322,313	\$169,214	\$491,527	0%	4%	4%	\$0	\$19,661	\$19,661
Subtotal:			7,013		2010			\$799,510	5%	\$419,743				\$0	\$70,602	\$70,602
HARDIN 36-INCH WATER LINE - PHASE 3																
From Wilmeth Road to Bloomdale Road																
1	P4015 *	850	1,224	36		\$272.00		\$333,004	\$174,827	\$507,831	0%	57%	57%	\$0	\$289,464	\$289,464
1	P4016 *	850	1,612	36		\$272.00		\$438,412	\$230,166	\$668,578	0%	53%	53%	\$0	\$354,346	\$354,346
1	P4017 *	850	2,622	36		\$272.00		\$713,140	\$374,399	\$1,087,539	0%	53%	53%	\$0	\$576,396	\$576,396
Subtotal:			5,458		2010			\$1,484,556	5%	\$779,392				\$0	\$1,220,206	\$1,220,206
INDEPENDENCE 24-INCH WATER LINE																
From Virginia Parkway to U.S. 380																
2	P6083 *	920	2,571	24		\$114.00		\$293,075	\$153,864	\$446,939	0%	99%	99%	\$0	\$442,470	\$442,470
2	P6084 *	920	2,758	24		\$114.00		\$314,355	\$165,036	\$479,391	0%	99%	99%	\$0	\$474,597	\$474,597
2	P6089 *	920	653	20		\$114.00		\$74,391	\$39,055	\$113,446	0%	97%	97%	\$0	\$110,043	\$110,043
Subtotal:			5,981		2010			\$681,821	5%	\$357,955				\$0	\$1,027,110	\$1,027,110

TABLE NO. 13 Proposed Impact Fee Water Lines

*Average Unit costs are based in 2007 dollars unless otherwise indicated and includes 15% for engineering and easements.

Pipe Number	Pressure Plane	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	20 Year Debt Service Utilizing Simple Interest	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
										2007	2017	During Fee Period	2007	2017	During Fee Period
HARDIN SOUTH 36-INCH WATER LINE															
From McKinney Ranch Parkway to Collin / McKinney Parkway															
2	P6010 *	920	1,515	36	\$374.00	\$566,482		\$297,403	\$863,885	0%	81%	81%	\$0	\$699,747	\$699,747
Subtotal:						\$566,482	5%	\$297,403	\$863,885				\$0	\$699,747	\$699,747
COLLIN/MCKINNEY 36-INCH WATER LINE - PHASE 3															
From Hardin Road to Lake Forest Drive															
2	P6007 *	920	2,238	36	\$374.00	\$836,979		\$439,414	\$1,276,393	0%	82%	82%	\$0	\$1,046,642	\$1,046,642
2	P6008 *	920	836	36	\$374.00	\$312,821		\$164,231	\$477,052	0%	82%	82%	\$0	\$391,183	\$391,183
2	P6009 *	920	2,691	36	\$374.00	\$1,006,257		\$528,285	\$1,534,542	0%	82%	82%	\$0	\$1,258,324	\$1,258,324
Subtotal:						\$2,156,057	5%	\$1,131,930	\$3,287,987				\$0	\$2,696,149	\$2,696,149
WESTRIDGE 16-INCH WATER LINE															
From Eden to West City Limit															
1	P6061 *	920	1,630	16	\$18.00	\$29,349		\$15,408	\$44,757	0%	94%	94%	\$0	\$42,072	\$42,072
1	P6062 *	920	794	16	\$18.00	\$14,295		\$7,505	\$21,800	0%	88%	88%	\$0	\$19,184	\$19,184
Subtotal:						\$43,644	5%	\$22,913	\$66,557				\$0	\$61,256	\$61,256
HARDIN 42 & 36-INCH WATER LINE - PHASE 4															
"Trinity Falls West Feed" From Future Bloomdale Road to F.M. 546															
1	P4034 *	850	2,422	36	\$272.00	\$658,670		\$345,802	\$1,004,472	0%	17%	17%	\$0	\$170,760	\$170,760
1	P4035 *	850	4,530	36	\$272.00	\$1,232,073		\$646,838	\$1,878,911	0%	17%	17%	\$0	\$319,415	\$319,415
1	P4036 *	850	2,474	42	\$330.00	\$816,516		\$428,671	\$1,245,187	0%	20%	20%	\$0	\$249,037	\$249,037
1	P4044 *	850	1,636	42	\$330.00	\$539,811		\$283,401	\$823,212	0%	20%	20%	\$0	\$164,642	\$164,642
Subtotal:						\$3,247,070	5%	\$1,704,712	\$4,951,782				\$0	\$903,854	\$903,854
F.M. 543 24-INCH WATER LINE															
"Trinity Falls West Feed" From F.M. 546 to West Limits of Trinity Falls															
1	P4051 *	850	3,200	24	\$114.00	\$364,800		\$191,520	\$556,320	0%	15%	15%	\$0	\$83,448	\$83,448
Subtotal:						\$364,800	5%	\$191,520	\$556,320				\$0	\$83,448	\$83,448
RIDGE ELEVATED STORAGE TANK WATER LINES															
From Wilmeth Road to Future Bloomdale Road															
1	P4007 *	850	2,997	24	\$114.00	\$341,675		\$179,379	\$521,054	0%	80%	80%	\$0	\$416,843	\$416,843
1	P4008 *	850	1,636	20	\$60.00	\$98,187		\$51,548	\$149,735	0%	46%	46%	\$0	\$68,878	\$68,878
1	P4109 *	850	555	24	\$114.00	\$63,237		\$33,199	\$96,436	0%	82%	82%	\$0	\$79,078	\$79,078
Subtotal:						\$503,099	5%	\$264,126	\$767,225				\$0	\$564,799	\$564,799
LAKE FOREST 20-INCH WATER LINE															
From Collin / McKinney Parkway to S.H. 121															
1	P6012 *	920	1,878	20	\$60.00	\$112,662		\$59,148	\$171,810	0%	81%	81%	\$0	\$139,166	\$139,166
Subtotal:						\$112,662	5%	\$59,148	\$171,810				\$0	\$139,166	\$139,166

TABLE NO. 13
Proposed Impact Fee Water Lines

*Average Unit costs are based in 2007 dollars unless otherwise indicated and includes 15% for engineering and easements.

Pipe Number	Pressure Plane	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	20 Year Debt Service Utilizing Simple Interest	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)			
										2007	2017	During Fee Period	2007	2017	During Fee Period	
COLLIN/MCKINNEY 20-INCH WATER LINE - PHASE 4																
From TPC Drive to Boston Drive																
2	P6041 *	920	1,322	20		\$162.00	\$214,120		\$112,413	\$326,533	0%	84%	84%	\$0	\$274,288	\$274,288
Subtotal:			1,322	2011			\$214,120	5%	\$112,413	\$326,533				\$0	\$274,288	\$274,288
U.S. 380 WEST 24-INCH WATER LINE																
From Custer Road to Independence Parkway																
2	P6087 *	920	2,551	24		\$216.00	\$550,912		\$289,229	\$840,141	0%	99%	99%	\$0	\$831,740	\$831,740
2	P6088 *	920	2,741	24		\$216.00	\$592,145		\$310,876	\$903,021	0%	99%	99%	\$0	\$893,991	\$893,991
Subtotal:			5,292	2011			\$1,143,057	5%	\$600,105	\$1,743,162				\$0	\$1,725,731	\$1,725,731
HARDIN 30-INCH & 20-INCH WATER LINE - PHASE 5																
"Trinity Falls West Feed" From F.M. 546 to Trinity Falls North Loop																
1	P4069 *	850	2,925	30		\$162.00	\$473,866		\$248,779	\$722,645	0%	26%	26%	\$0	\$187,888	\$187,888
1	P4070 *	850	5,636	20		\$60.00	\$338,146		\$177,527	\$515,673	0%	29%	29%	\$0	\$149,545	\$149,545
Subtotal:			8,561	2012			\$812,012	5%	\$426,306	\$1,238,318				\$0	\$337,433	\$337,433
WESTRIDGE SUBDIVISION 16-INCH WATER LINES																
Along Virginia Parkway West 1,250-ft to Future Westridge Subdivision; South & Southwest in Future Westridge Subdivision																
1	P6067 *	920	2,589	16		\$18.00	\$46,596		\$24,463	\$71,059	0%	96%	96%	\$0	\$68,217	\$68,217
1	P6069 *	920	1,817	16		\$18.00	\$32,701		\$17,168	\$49,869	0%	97%	97%	\$0	\$48,373	\$48,373
1	P6074 *	920	1,234	16		\$18.00	\$22,211		\$11,661	\$33,872	0%	88%	88%	\$0	\$29,807	\$29,807
Subtotal:			5,639	2012			\$101,508	5%	\$53,292	\$154,800				\$0	\$146,397	\$146,397
COUNTY ROAD 228 20-INCH WATER LINE																
From Future Hardin Road East to Trinity Falls																
1	P4072 *	850	5,256	20		\$60.00	\$315,389		\$165,579	\$480,968	0%	57%	57%	\$0	\$274,152	\$274,152
Subtotal:			5,256	2013			\$315,389	5%	\$165,579	\$480,968				\$0	\$274,152	\$274,152
STONEBRIDGE 42-INCH WATER LINE - PHASE 2																
From U.S. 380 to F.M. 1461 (Future East-West Thoroughfare)																
1	P6092 *	920	6,210	42		\$330.00	\$2,049,425		\$1,075,948	\$3,125,373	0%	27%	27%	\$0	\$843,851	\$843,851
1	P6100 *	920	1,500	42		\$330.00	\$494,937		\$259,842	\$754,779	0%	26%	26%	\$0	\$196,243	\$196,243
1	P6101 *	920	2,499	42		\$330.00	\$824,531		\$432,879	\$1,257,410	0%	26%	26%	\$0	\$326,927	\$326,927
1	P6111 *	920	3,426	42		\$330.00	\$1,130,481		\$593,503	\$1,723,984	0%	25%	25%	\$0	\$430,996	\$430,996
1	P6112 *	920	1,963	42		\$330.00	\$647,909		\$340,152	\$988,061	0%	25%	25%	\$0	\$247,015	\$247,015
Subtotal:			15,598	2013			\$5,147,283	5%	\$2,702,324	\$7,849,607				\$0	\$2,045,032	\$2,045,032

TABLE NO. 13
Proposed Impact Fee Water Lines

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Pipe Number	Pressure Plane	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	20 Year Debt Service Utilizing Simple Interest	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)			
										2007	2017	During Fee Period	2007	2017	During Fee Period	
920 VIRGINIA PKWY. 12-INCH PARALLEL LINE																
From Adriatic to Lake Forest Drive																
2	P5706 *	920	1,097	12	\$90.00	\$98,741		\$51,839	\$150,580	0%	98%	98%	\$0	\$147,568	\$147,568	
2	P5709 *	920	1,197	12	\$90.00	\$107,717		\$56,551	\$164,268	0%	98%	98%	\$0	\$160,983	\$160,983	
2	P6164 *	920	903	12	\$90.00	\$81,309		\$42,687	\$123,996	0%	98%	98%	\$0	\$121,516	\$121,516	
2	P6165 *	920	1,105	12	\$90.00	\$99,470		\$52,222	\$151,692	0%	99%	99%	\$0	\$150,175	\$150,175	
2	P6172 *	920	2,070	12	\$90.00	\$186,314		\$97,815	\$284,129	0%	92%	92%	\$0	\$261,399	\$261,399	
Subtotal:			6,373			\$573,551		5%	\$301,114	\$874,665				\$0	\$841,641	\$841,641
BLOOMDALE 16-INCH WATER LINE - 850 PHASE 1																
From Future Ridge Road to Future Stonebridge Drive																
1	P4018 *	850	3,373	16	\$18.00	\$60,705		\$31,870	\$92,575	0%	30%	30%	\$0	\$27,773	\$27,773	
1	P4019 *	850	1,842	16	\$18.00	\$33,154		\$17,406	\$50,560	0%	15%	15%	\$0	\$7,584	\$7,584	
Subtotal:			5,214			\$93,859		5%	\$49,276	\$143,135				\$0	\$35,357	\$35,357
BLOOMDALE 16-INCH WATER LINE - 850 PHASE 2																
From Future Ridge Road to Lake Forest Drive																
1	P4020 *	850	2,944	16	\$18.00	\$52,991		\$27,820	\$80,811	0%	99%	99%	\$0	\$80,003	\$80,003	
1	P4021 *	850	2,247	16	\$18.00	\$40,451		\$21,237	\$61,688	0%	95%	95%	\$0	\$58,604	\$58,604	
Subtotal:			5,191			\$93,442		5%	\$49,057	\$142,499				\$0	\$138,607	\$138,607
BLOOMDALE 54-INCH WATER LINE																
From Future Bloomdale Pump Station to Bloomdale Road & East to S.H. 5																
2	P2112 *	794	1,489	54	\$540.00	\$804,033		\$422,117	\$1,226,150	0%	27%	27%	\$0	\$331,061	\$331,061	
2	P2114 *	794	5,502	54	\$540.00	\$2,971,220		\$1,559,891	\$4,531,111	0%	25%	25%	\$0	\$1,132,778	\$1,132,778	
Subtotal:			6,991			\$3,775,253		5%	\$1,982,008	\$5,757,261				\$0	\$1,463,839	\$1,463,839
STONEBRIDGE 36-INCH WATER LINE - PHASE 3																
From F.M. 1461 to Future East / West Thoroughfare																
1	P6113 *	920	3,191	36	\$272.00	\$868,017		\$455,709	\$1,323,726	0%	9%	9%	\$0	\$119,135	\$119,135	
1	P6114 *	920	2,084	36	\$272.00	\$566,840		\$297,591	\$864,431	0%	9%	9%	\$0	\$77,799	\$77,799	
Subtotal:			5,275			\$1,434,857		5%	\$753,300	\$2,188,157				\$0	\$196,934	\$196,934
WESTRIDGE 18-INCH PARALLEL WATER LINE																
From Independence Elevated Storage Tank to Eden																
2	P6166 *	920	2,177	18	\$138.00	\$300,413		\$157,717	\$458,130	0%	97%	97%	\$0	\$444,386	\$444,386	
Subtotal:			2,177			\$300,413		5%	\$157,717	\$458,130				\$0	\$444,386	\$444,386

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Proposed Impact Fee Water Lines

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Pipe Number	Pressure Plane	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	20 Year Debt Service Utilizing Simple Interest	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
										2007	2017	During Fee Period	2007	2017	During Fee Period
AIRPORT WATER LINE - PHASE 1															
Along Future Airport Blvd. From Bloomdale Road to U.S. 380															
2	P2017 *	794	4,993	48	\$468.00	\$2,336,598		\$1,226,714	\$3,563,312	0%	32%	32%	\$0	\$1,140,260	\$1,140,260
2	P2018 *	794	421	48	\$468.00	\$197,042		\$103,447	\$300,489	0%	33%	33%	\$0	\$99,161	\$99,161
2	P2043 *	794	4,928	36	\$374.00	\$1,843,244		\$967,703	\$2,810,947	0%	54%	54%	\$0	\$1,517,911	\$1,517,911
2	P2044 *	794	3,445	36	\$374.00	\$1,288,329		\$676,373	\$1,964,702	0%	51%	51%	\$0	\$1,001,998	\$1,001,998
Subtotal:			13,787			\$5,665,213	5%	\$2,974,237	\$8,639,450				\$0	\$3,759,330	\$3,759,330
AIRPORT WATER LINE - PHASE 2															
Along Future Airport Blvd. From Industrial Blvd. to Future SE Thoroughfare															
2	P2087 *	794	1,418	24	\$216.00	\$306,266		\$160,790	\$467,056	0%	69%	69%	\$0	\$322,269	\$322,269
2	P2120 *	794	2,296	24	\$216.00	\$496,014		\$260,407	\$756,421	0%	68%	68%	\$0	\$514,366	\$514,366
2	P2121 *	794	1,100	24	\$216.00	\$237,648		\$124,765	\$362,413	0%	68%	68%	\$0	\$246,441	\$246,441
Subtotal:			4,814			\$1,039,928	5%	\$545,962	\$1,585,890				\$0	\$1,083,076	\$1,083,076
BLOOMDALE 24-INCH WATER LINE - 850 PHASE 3															
From Lake Forest Drive to C.R. 106															
1	P4022 *	850	5,026	24	\$114.00	\$573,010		\$300,830	\$873,840	0%	60%	60%	\$0	\$524,304	\$524,304
Subtotal:			5,026			\$573,010	5%	\$300,830	\$873,840				\$0	\$524,304	\$524,304
F.M. 1461 (FUTURE E/W THOUROUGHFARE) 16-INCH WATER LINE - 920 PHASE 1															
From Custer Road to Future Stonebridge Drive															
2	P6119 *	920	1,841	16	\$108.00	\$198,827		\$104,384	\$303,211	0%	63%	63%	\$0	\$191,023	\$191,023
2	P6120 *	920	1,721	16	\$108.00	\$185,862		\$97,578	\$283,440	0%	35%	35%	\$0	\$99,204	\$99,204
Subtotal:			3,562			\$384,689	5%	\$201,962	\$586,651				\$0	\$290,227	\$290,227
FUTURE EAST / WEST THOROUGH FARE 16-INCH WATER LINE - 920 PHASE 1															
From Custer Road to Future Stonebridge Drive															
2	P6121 *	920	1,842	16	\$108.00	\$198,895		\$104,420	\$303,315	0%	46%	46%	\$0	\$139,525	\$139,525
2	P6122 *	920	1,888	16	\$108.00	\$203,895		\$107,045	\$310,940	0%	26%	26%	\$0	\$80,844	\$80,844
Subtotal:			3,730			\$402,790	5%	\$211,465	\$614,255				\$0	\$220,369	\$220,369
OLD MILL ROAD 24-INCH WATER LINE															
From Mcdonald Street to Country Lane															
2	P2082 *	794	2,243	24	\$216.00	\$484,546		\$254,387	\$738,933	0%	98%	98%	\$0	\$724,154	\$724,154
2	P2083 *	794	1,551	24	\$216.00	\$335,012		\$175,881	\$510,893	0%	99%	99%	\$0	\$505,784	\$505,784
2	P2085 *	794	2,872	24	\$216.00	\$620,361		\$325,689	\$946,050	0%	100%	100%	\$0	\$946,050	\$946,050
2	P2086 *	794	1,401	24	\$216.00	\$302,508		\$158,817	\$461,325	0%	100%	100%	\$0	\$461,325	\$461,325
Subtotal:			8,067			\$1,742,427	5%	\$914,774	\$2,657,201				\$0	\$2,637,313	\$2,637,313

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Proposed Impact Fee Water Lines

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Pipe Number	Pressure Plane	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	20 Year Debt Service Utilizing Simple Interest	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)			
										2007	2017	During Fee Period	2007	2017	During Fee Period	
S.H. 5 16-INCH WATER LINE																
From Future Willowood Subdivision to S.H. 121																
1	P2004 *	794	5,248	16		\$18.00	\$94,465		\$49,594	\$144,059	0%	10%	10%	\$0	\$14,406	\$14,406
Subtotal:			5,248		2016		\$94,465	5%	\$49,594	\$144,059				\$0	\$14,406	\$14,406
BLOOMDALE 36-INCH WATER LINE - 850 PHASE 4																
From C.R. 106 to Future Hardin Road																
1	P4023 *	850	5,709	36		\$272.00	\$1,552,739		\$815,188	\$2,367,927	0%	56%	56%	\$0	\$1,326,039	\$1,326,039
Subtotal:			5,709		2016		\$1,552,739	5%	\$815,188	\$2,367,927				\$0	\$1,326,039	\$1,326,039
BLOOMDALE 48 & 72-INCH WATER LINE - 850 PHASE 5																
From Future Bloomdale Pump Station to Future Hardin Road																
2	P4024 *	850	2,963	48		\$468.00	\$1,386,508		\$727,917	\$2,114,425	0%	16%	16%	\$0	\$338,308	\$338,308
2	P4075 *	850	2,549	72		\$720.00	\$1,835,618		\$963,700	\$2,799,318	0%	14%	14%	\$0	\$391,905	\$391,905
2	P4077 *	850	1,995	48		\$468.00	\$933,452		\$490,062	\$1,423,514	0%	17%	17%	\$0	\$241,997	\$241,997
2	P4118 *	850	811	48		\$468.00	\$379,562		\$199,270	\$578,832	0%	17%	17%	\$0	\$98,401	\$98,401
Subtotal:			8,318		2016		\$4,535,140	5%	\$2,380,949	\$6,916,089				\$0	\$1,070,611	\$1,070,611
LAKE FOREST 30 & 36-INCH WATER LINE																
From Willmeth Water Main Phase 2 to Future E/W Thoroughfare at C.R. 166 and F.M. 1461																
1	P4013 *	850	2,531	30		\$162.00	\$410,011		\$215,256	\$625,267	0%	77%	77%	\$0	\$481,456	\$481,456
1	P4025 *	850	2,186	36		\$272.00	\$594,459		\$312,091	\$906,550	0%	22%	22%	\$0	\$199,441	\$199,441
1	P4026 *	850	1,725	36		\$272.00	\$469,319		\$246,393	\$715,712	0%	22%	22%	\$0	\$157,457	\$157,457
1	P4027 *	850	1,446	36		\$272.00	\$393,382		\$206,526	\$599,908	0%	22%	22%	\$0	\$131,980	\$131,980
Subtotal:			7,888		2016		\$1,867,171	5%	\$980,266	\$2,847,437				\$0	\$970,334	\$970,334
F.M. 1461 (FUTURE E/W THOUROGHFARE) 24 & 18-INCH WATER LINE - 920 PHASE 2																
From Future Stonebridge Drive to Future Lake Forest Drive																
1	P6132 *	920	4,103	24		\$114.00	\$467,786		\$245,588	\$713,374	0%	47%	47%	\$0	\$335,286	\$335,286
1	P6133 *	920	2,400	24		\$114.00	\$273,620		\$143,651	\$417,271	0%	48%	48%	\$0	\$200,290	\$200,290
1	P6140 *	920	4,106	18		\$36.00	\$147,798		\$77,594	\$225,392	0%	27%	27%	\$0	\$60,856	\$60,856
1	P6141 *	920	931	24		\$114.00	\$106,176		\$55,742	\$161,918	0%	51%	51%	\$0	\$82,578	\$82,578
Subtotal:			11,540		2016		\$995,380	5%	\$522,575	\$1,517,955				\$0	\$679,010	\$679,010
FUTURE EAST / WEST THOROUGHFARE 24-INCH WATER LINE - 920 PHASE 2																
From Future Stonebridge Drive to Future Ridge Road																
1	P6128 *	920	3,625	24		\$114.00	\$413,289		\$216,977	\$630,266	0%	14%	14%	\$0	\$88,237	\$88,237
1	P6129 *	920	2,699	24		\$114.00	\$307,680		\$161,532	\$469,212	0%	26%	26%	\$0	\$121,995	\$121,995
Subtotal:			6,324		2016		\$720,969	5%	\$378,509	\$1,099,478				\$0	\$210,232	\$210,232

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Pipe Number	Pressure Plane	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	20 Year Debt Service Utilizing Simple Interest	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)			
										2007	2017	During Fee Period	2007	2017	During Fee Period	
CUSTER 18 & 24-INCH NORTH WATER LINE																
From U.S. 380 North to Future E / W Thoroughfare																
2	P6093 *	920	7,624	24	\$216.00	\$1,646,784		\$864,562	\$2,511,346	0%	32%	32%	\$0	\$803,631	\$803,631	
2	P6096 *	920	1,691	24	\$216.00	\$365,193		\$191,726	\$556,919	0%	30%	30%	\$0	\$167,076	\$167,076	
2	P6097 *	920	1,392	24	\$216.00	\$300,646		\$157,839	\$458,485	0%	33%	33%	\$0	\$151,300	\$151,300	
2	P6102 *	920	3,095	24	\$216.00	\$668,600		\$351,015	\$1,019,615	0%	31%	31%	\$0	\$316,081	\$316,081	
2	P6103 *	920	2,261	24	\$216.00	\$488,300		\$256,357	\$744,657	0%	33%	33%	\$0	\$245,737	\$245,737	
2	P6104 *	920	3,202	18	\$138.00	\$441,922		\$232,009	\$673,931	0%	22%	22%	\$0	\$148,265	\$148,265	
2	P6105 *	920	2,034	18	\$138.00	\$280,658		\$147,345	\$428,003	0%	22%	22%	\$0	\$94,161	\$94,161	
Subtotal:			21,299			2017		5%	\$2,200,853	\$6,392,956				\$0	\$1,926,251	\$1,926,251
FUTURE NORTH / SOUTH THOROUGHFARE 16-INCH WATER LINE																
From U.S. 380 (East of Intersection of U.S. 380 and Airport Blvd.) South to Enloe Road																
2	P2079 *	794	6,404	16	\$120.00	\$768,450		\$403,437	\$1,171,887	0%	40%	40%	\$0	\$468,755	\$468,755	
2	P2080 *	794	2,619	16	\$120.00	\$314,315		\$165,015	\$479,330	0%	39%	39%	\$0	\$186,939	\$186,939	
Subtotal:			9,023			2017		5%	\$568,452	\$1,651,217				\$0	\$655,694	\$655,694
U.S. 380 EAST WATER LINE																
From Airport Blvd. to C.R. 407																
2	P2075 *	794	6,215	12	\$102.00	\$633,909		\$332,802	\$966,711	0%	42%	42%	\$0	\$406,019	\$406,019	
2	P2076 *	794	7,013	24	\$216.00	\$1,514,745		\$795,241	\$2,309,986	0%	4%	4%	\$0	\$92,399	\$92,399	
2	P2077 *	794	3,354	24	\$216.00	\$724,401		\$380,311	\$1,104,712	0%	3%	3%	\$0	\$33,141	\$33,141	
Subtotal:			16,581			2015		5%	\$1,508,354	\$4,381,409				\$0	\$531,559	\$531,559
MCINTYRE / WOODLAWN 36-INCH WATER LINE																
From Southern Pacific Railroad to F.M. 2933																
1	P2020 *	794	4,045	36	\$272.00	\$1,100,183		\$577,596	\$1,677,779	0%	7%	7%	\$0	\$117,445	\$117,445	
1	P2021 *	794	1,536	36	\$272.00	\$417,917		\$219,407	\$637,324	0%	7%	7%	\$0	\$44,613	\$44,613	
Subtotal:			5,581			2017		5%	\$797,003	\$2,315,103				\$0	\$162,058	\$162,058
F.M. 2933 30-INCH WATER LINE																
From Woodlawn Road to U.S. 380 along a Future Thoroughfare																
1	P2047 *	794	2,618	30	\$162.00	\$424,165		\$222,687	\$646,852	0%	18%	18%	\$0	\$116,433	\$116,433	
1	P2048 *	794	1,077	30	\$162.00	\$174,466		\$91,595	\$266,061	0%	19%	19%	\$0	\$50,552	\$50,552	
1	P2049 *	794	4,740	30	\$162.00	\$767,875		\$403,134	\$1,171,009	0%	22%	22%	\$0	\$257,622	\$257,622	
1	P2050 *	794	1,601	30	\$162.00	\$259,373		\$136,171	\$395,544	0%	24%	24%	\$0	\$94,931	\$94,931	
Subtotal:			10,036			2017		5%	\$853,587	\$2,479,466				\$0	\$519,538	\$519,538

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Pipe Number	Pressure Plane	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	20 Year Debt Service Utilizing Simple Interest	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)			
										2007	2017	During Fee Period	2007	2017	During Fee Period	
FUTURE EAST / WEST THOROUGHFARE 20, 30 & 42-INCH WATER LINE - 850 PHASE 3																
From U.S. 75 to Future Lake Forest																
1	P4037 *	850	2,631	20	\$60.00	\$157,876		\$82,885	\$240,761	0%	45%	45%	\$0	\$108,342	\$108,342	
1	P4038 *	850	2,806	30	\$162.00	\$454,591		\$238,660	\$693,251	0%	38%	38%	\$0	\$263,435	\$263,435	
1	P4039 *	850	4,540	30	\$162.00	\$735,482		\$386,128	\$1,121,610	0%	36%	36%	\$0	\$403,780	\$403,780	
1	P4047 *	850	3,945	42	\$330.00	\$1,301,926		\$683,511	\$1,985,437	0%	10%	10%	\$0	\$198,544	\$198,544	
1	P4048 *	850	3,338	42	\$330.00	\$1,101,599		\$578,340	\$1,679,939	0%	10%	10%	\$0	\$167,994	\$167,994	
1	P4107 *	850	1,942	20	\$60.00	\$116,491		\$61,158	\$177,649	0%	73%	73%	\$0	\$129,684	\$129,684	
Subtotal:			19,202	2017		\$3,867,965	5%	\$2,030,682	\$5,898,647				\$0	\$1,271,779	\$1,271,779	
BLOOMDALE PUMP STATION 850 DISCHARGE LINE																
From Bloomdale Road North Along U.S. 75 to F.M. 543; Along F.M. 543 to F.M.546																
2	P4049 *	850	4,519	30	\$264.00	\$1,193,042		\$626,347	\$1,819,389	0%	30%	30%	\$0	\$545,817	\$545,817	
2	P4050 *	850	2,668	30	\$264.00	\$704,365		\$369,792	\$1,074,157	0%	33%	33%	\$0	\$354,472	\$354,472	
2	P4076 *	850	7,018	54	\$540.00	\$3,789,698		\$1,989,591	\$5,779,289	0%	14%	14%	\$0	\$809,100	\$809,100	
Subtotal:			14,205	2015		\$5,687,105	5%	\$2,985,730	\$8,672,835				\$0	\$1,709,389	\$1,709,389	
C.R. 943 16-INCH WATER LINE																
From Wilmeth Water Main north to Future Bloomdale Road																
1	P4014 *	850	2,520	16	\$18.00	\$45,360		\$23,814	\$69,174	0%	46%	46%	\$0	\$31,820	\$31,820	
Subtotal:			2,520	2017		\$45,360	5%	\$23,814	\$69,174				\$0	\$31,820	\$31,820	
PROPOSED TOTAL:			356,957			\$81,849,009		\$42,970,732	\$124,819,741				\$0	\$55,560,027	\$55,560,027	

1 - City Participated in Cost Oversize
2 - City Initiated and Funded

E. WASTEWATER COLLECTION SYSTEM

Computer models for the years 2007, 2017 and Buildout were prepared by the RJN Group. The models were developed and peak flows calculated from the residential population and non-residential land use projections provided by the City of McKinney's Planning Department. Computer models were run to determine peak wet weather flow to insure proper sizing of the collection system.

1. Collection Lines

The natural creeks, whose basins will collect wastewater through the installed system of collection lines that flow into the geographic area serviced by the NTMWD.

The wastewater collection system analysis covered all of the drainage basins within the Service Area planning boundary. Each collection system was analyzed for line sizes 12 inches in diameter and larger. Eliminating line sizes smaller than 12 inches in diameter from the study leaves only the interceptor and trunk lines included in the study. The wastewater project cost includes necessary appurtenances (manholes, aerial crossings and the like), purchase of easements, utility relocation, pavement removal and replacement, and engineering costs. For existing Impact Fee projects, actual costs were utilized where known. Future project cost estimates were based on 2007 average unit cost per linear foot and includes engineering, easements, and construction cost.

All eligible wastewater collection line projects in the Service Area planning boundary were included in the impact fee analysis. Eligible existing and proposed wastewater facilities are shown on **Exhibits 2A and 2B**.

2. Treatment

The North Texas Municipal Water District (NTMWD) provides the City of McKinney with a significant portion of its wastewater collection, and transportation. NTMWD also owns and operates the Wilson Creek Treatment Plant and provides all of McKinney's wastewater treatment. McKinney pays NTMWD for the cost of this service according to the City's present contribution of wastewater flows in each of the regional facilities in any given year.

This Impact Fee study excludes the cost of NTMWD regional collection and transportation and facilities located within the City's Service Area planning boundary that were paid for by NTMWD. Existing treatment plant and future treatment plant expansion costs of NTMWD were specifically excluded from this Impact Fee analysis.

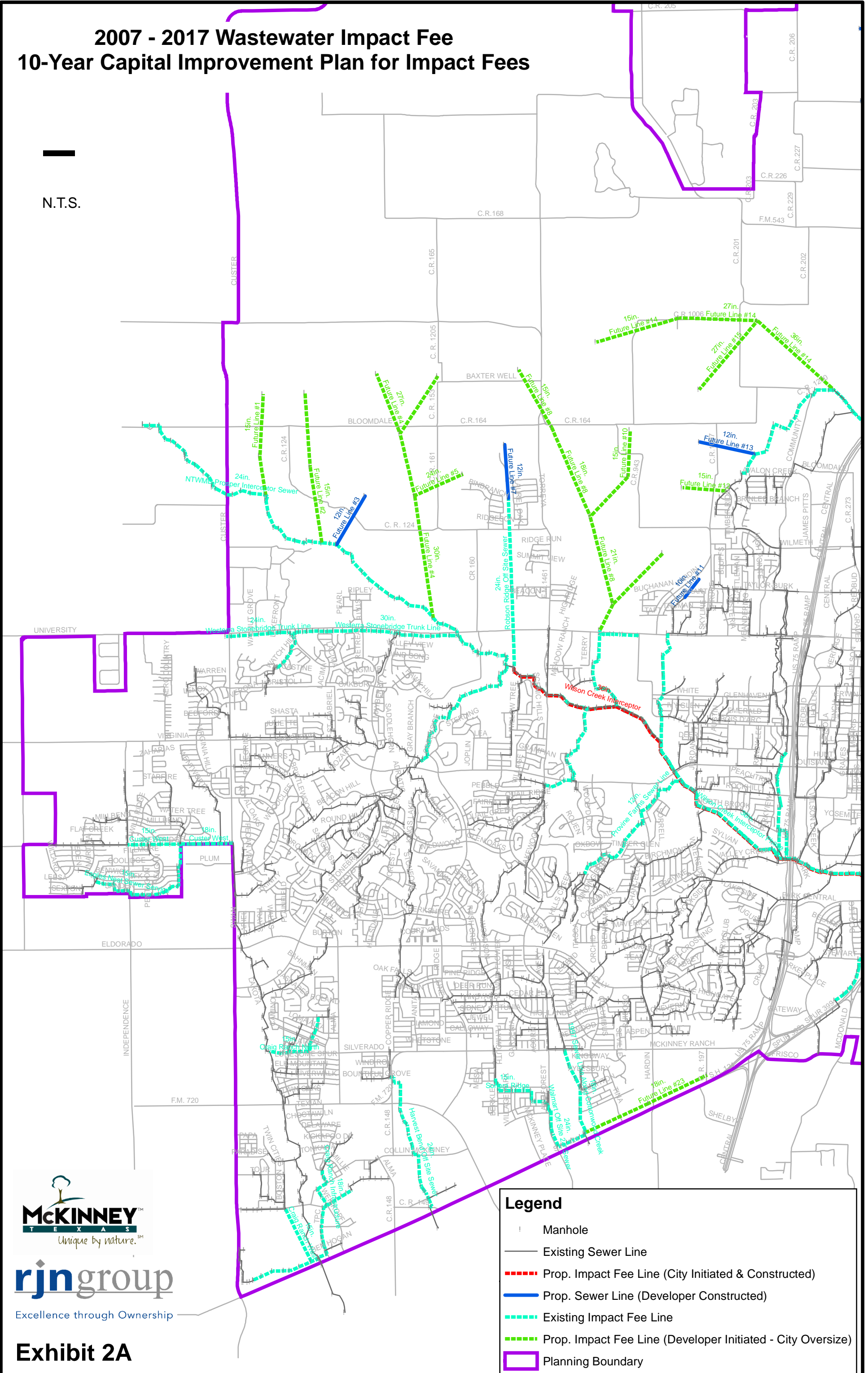
3. Wastewater System Capital Improvement Projects for Impact Fees

The 10-year Wastewater System Capital Improvement Plan for Impact Fees was developed by RJN Group. RJN provided the proposed projects and the average unit costs for the projects. **Exhibits 2A and 2B** show the recommended system improvements and **Table No. 14** itemizes each project and the project cost. These recommended improvements form the basis for the Wastewater System Impact Fee Calculation.

The capital improvement plan for impact fees provides for system improvements within the defined Service Area Planning Boundary.

2007 - 2017 Wastewater Impact Fee 10-Year Capital Improvement Plan for Impact Fees

N.T.S.

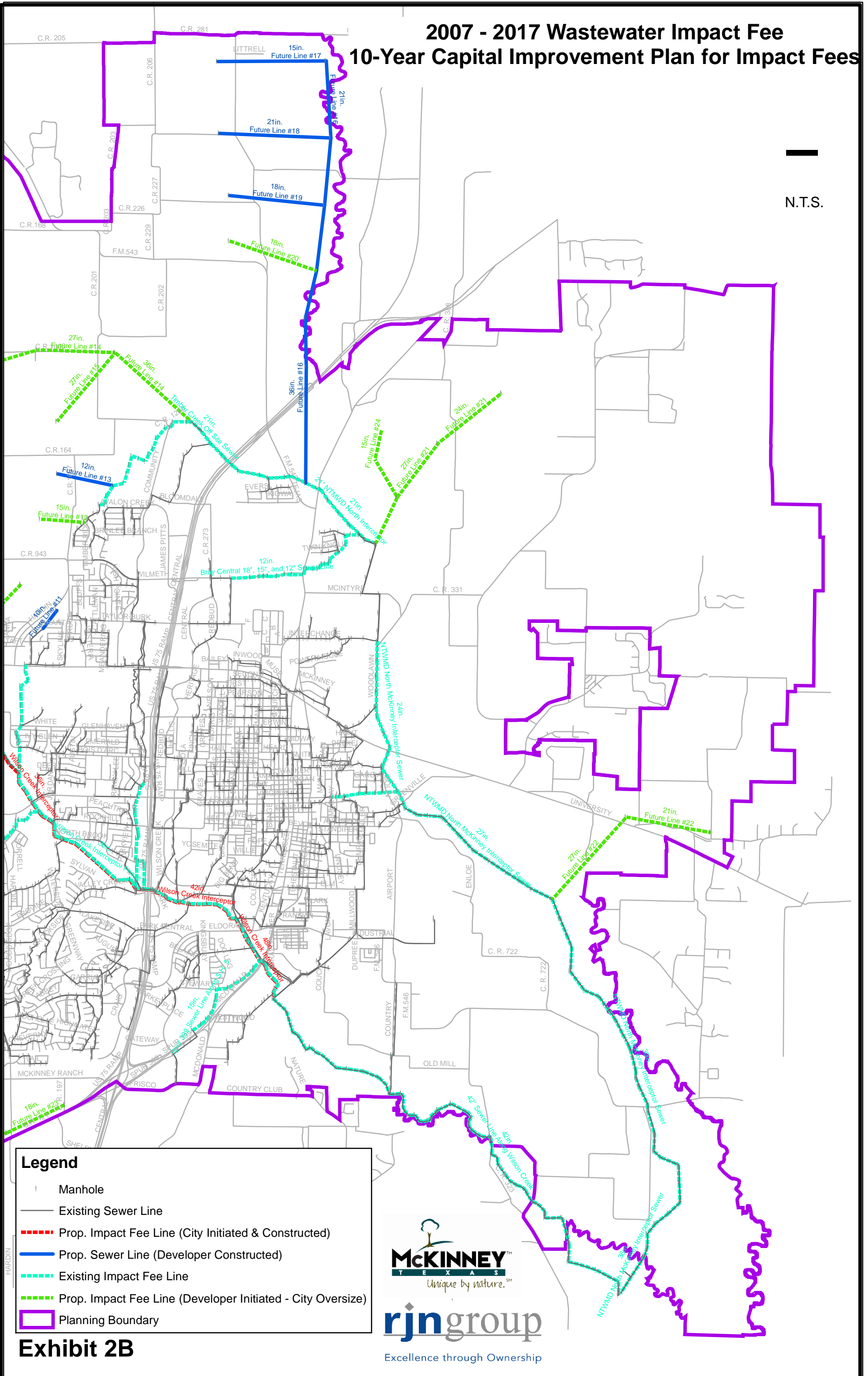


Legend

- Manhole
- Existing Sewer Line
- Prop. Impact Fee Line (City Initiated & Constructed)
- Prop. Sewer Line (Developer Constructed)
- Existing Impact Fee Line
- Prop. Impact Fee Line (Developer Initiated - City Oversize)
- Planning Boundary

Exhibit 2A

2007 - 2017 Wastewater Impact Fee 10-Year Capital Improvement Plan for Impact Fees



—
N.T.S.

Legend

- Manhole
- Existing Sewer Line
- Prop. Impact Fee Line (City Initiated & Constructed)
- Prop. Sewer Line (Developer Constructed)
- Existing Impact Fee Line
- Prop. Impact Fee Line (Developer Initiated - City Oversize)
- Planning Boundary

Exhibit 2B

McKINNEY
TEXAS
Unique by nature.SM

rjngroup
Excellence through Ownership

TABLE NO. 14
Wastewater Collection System 10-Year Capital Improvement Plan for Impact Fees

PROPOSED WASTEWATER LINES

Year	Project	Size	Opinion of Construction Cost (1)	Debt Service (2)	Total Project Cost
2009	Future Line # 23	*18"	\$ 136,760	\$ 71,799	\$ 208,559
2010	Future Line # 21: Big Branch Creek Interceptor	*24"-27"	\$ 634,236	\$ 332,975	\$ 967,211
2011	Future Line # 4: Stover Creek Interceptor	*27"-30"	\$ 1,028,000	\$ 539,700	\$ 1,567,700
2011	Future Line # 5: Stover Creek Interceptor - Lateral South	*24"	\$ 135,800	\$ 71,295	\$ 207,095
2011	Future Line # 6: Stover Creek Interceptor - Lateral North	*24"	\$ 175,700	\$ 92,243	\$ 267,943
2011	Future Line # 24	*15"-24"	\$ 128,494	\$ 67,459	\$ 195,953
2012	Future Line # 12	*15"	\$ 22,790	\$ 11,965	\$ 34,755
2012	Future Line # 20	*18"	\$ 94,570	\$ 49,649	\$ 144,219
2013	Future Line # 2	*15"	\$ 77,508	\$ 40,692	\$ 118,200
2013	Future Line # 1	*15"	\$ 51,808	\$ 27,199	\$ 79,007
2014	Future Line # 8: Franklin Branch Interceptor	*15"-21"	\$ 366,848	\$ 192,595	\$ 559,443
2015	Future Line # 9: Franklin Branch Interceptor-Lateral South	*15"	\$ 36,570	\$ 19,199	\$ 55,769
2015	Future Line # 10: Franklin Branch Interceptor-Lateral North	*15"-18"	\$ 79,898	\$ 41,946	\$ 121,844
2015	Future Line # 22: Big Branch Creek Interceptor	*21"-27"	\$ 529,855	\$ 278,174	\$ 808,029
2016	Future Line # 14: Honey Creek Interceptor	*15"-36"	\$ 1,065,343	\$ 559,305	\$ 1,624,648
2016	Future Line # 15: Honey Creek Interceptor Lateral	*12"-15"	\$ 323,428	\$ 169,800	\$ 493,228
2017	Wilson Creek Interceptor	36"-60"	\$ 9,417,820	\$ 4,944,357	\$ 14,362,177
Subtotal: Proposed Wastewater Lines			\$ 14,305,428	\$ 7,510,352	\$ 21,815,780

* - Developer Initiated Wastewater Line - Opinion of Cost Based on Oversize Cost in 2007 Dollars

PLANNING EXPENSES

Year	Project	Capacity	Opinion of Cost (1)(b)	Debt Service (2)	Total Project Cost
2007	Water System Master Plan & Impact Fee Analysis		\$ 275,000	\$ -	\$ 275,000
Subtotal: Planning Expenses			\$ 275,000	\$ -	\$ 275,000
GRAND TOTAL: Wastewater Collection System CIP			\$ 14,580,428	\$ 7,510,352	\$ 22,090,780

Notes:

- (1) Opinion of Cost includes:
 - a) Engineer's Opinion of Construction Cost
 - b) Professional Services Fees (Survey, Engineering, Testing, Legal)
 - c) Cost of Easement or Land Acquisitions)
- (2) Debt Service based on 20-year simple interest bonds at 5%

4. Utilized Capacity

Utilized capacity for the wastewater collection system was calculated based on land use assumptions provided by the City of McKinney. The population and non-residential growth in each wastewater drainage basin was determined utilizing the City's growth projections. RJN utilized these growth rates to calculate 2007, 2017 and buildout peak design flows.

The percent-utilized capacity was calculated for the design flow of each study year based on the build-out capacity. The utilized capacity during the Impact Fee period is the difference between the year 2007 capacity and the year 2017 capacity. **Table No. 15** below summarizes the project cost and utilized cost over the impact fee period of 2007 – 2017. The utilized capacity for each eligible existing and proposed wastewater collection line is presented in detail in the Impact Fee Capacity Calculation **Table No. 16**.

TABLE NO. 15

Summary of Eligible Capital Cost and Utilized Capacity Cost

Wastewater System Facility	20-Year Project Cost	Utilized Capacity (\$) in the CRP Period
Existing Wastewater Collection Line	\$16,719,360	\$4,218,340
Proposed Wastewater Collection Line	\$21,815,780	\$12,463,610
Planning Expenses	\$275,000	\$275,000
Total:	\$38,810,140	\$16,956,950

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2007	2017	During Fee Period	2007	2017	During Fee Period
27" Sewer Line Along Wilson Creek														
North of Virginia Parkway (Wilson Creek Main Interceptor)														
446.1	614	27		\$51.14	\$31,402		\$16,486	\$47,888	87%	95%	8%	\$41,663	\$45,494	\$3,831
424.1	344	27		\$51.14	\$17,614		\$9,247	\$26,861	87%	94%	7%	\$23,369	\$25,249	\$1,880
409.1	290	27		\$51.14	\$14,837		\$7,789	\$22,626	87%	94%	7%	\$19,685	\$21,268	\$1,584
398.1	126	27		\$51.14	\$6,434		\$3,378	\$9,812	87%	94%	7%	\$8,536	\$9,223	\$687
390.1	144	27		\$51.14	\$7,370		\$3,869	\$11,239	87%	94%	7%	\$9,778	\$10,565	\$787
367.1	496	27		\$51.14	\$25,367		\$13,318	\$38,685	87%	94%	7%	\$33,656	\$36,364	\$2,708
363.1	500	27		\$51.14	\$25,572		\$13,425	\$38,997	87%	94%	7%	\$33,927	\$36,657	\$2,730
357.1	411	27		\$51.14	\$21,030		\$11,041	\$32,071	87%	95%	8%	\$27,902	\$30,467	\$2,566
356.1	182	27		\$51.14	\$9,298		\$4,881	\$14,179	87%	95%	8%	\$12,336	\$13,470	\$1,134
354.1	454	27		\$51.14	\$23,235		\$12,198	\$35,433	87%	94%	7%	\$30,827	\$33,307	\$2,480
349.1	501	27		\$51.14	\$25,628		\$13,455	\$39,083	87%	94%	7%	\$34,002	\$36,738	\$2,736
348.1	499	27		\$51.14	\$25,516		\$13,396	\$38,912	87%	94%	7%	\$33,853	\$36,577	\$2,724
346.1	411	27		\$51.14	\$21,000		\$11,025	\$32,025	88%	95%	7%	\$28,182	\$30,424	\$2,242
340.1	506	27		\$51.14	\$25,853		\$13,573	\$39,426	88%	95%	7%	\$34,695	\$37,455	\$2,760
330.1	300	27		\$51.14	\$15,328		\$8,047	\$23,375	88%	95%	7%	\$20,570	\$22,206	\$1,636
316.1	273	27		\$51.14	\$13,978		\$7,338	\$21,316	88%	95%	7%	\$18,758	\$20,250	\$1,492
315.1	655	27		\$51.14	\$33,484		\$17,579	\$51,063	88%	95%	7%	\$44,935	\$48,510	\$3,574
313.1	69.3	27		\$51.14	\$3,544		\$1,861	\$5,405	88%	95%	7%	\$4,756	\$5,135	\$378
297.1	465	27		\$51.14	\$23,802		\$12,496	\$36,298	89%	96%	7%	\$32,305	\$34,846	\$2,541
296.1	147	27		\$51.14	\$7,498		\$3,936	\$11,434	89%	96%	7%	\$10,176	\$10,977	\$800
280.1	281	27		\$51.14	\$14,377		\$7,548	\$21,925	89%	96%	7%	\$19,513	\$21,048	\$1,535
268.1	357	27		\$51.14	\$18,243		\$9,578	\$27,821	89%	96%	7%	\$24,761	\$26,708	\$1,947
267.1	432	27		\$51.14	\$22,069		\$11,586	\$33,655	89%	96%	7%	\$29,953	\$32,309	\$2,356
266.1	278	27		\$51.14	\$14,223		\$7,467	\$21,690	89%	96%	7%	\$19,304	\$20,822	\$1,518
Subtotal:	8,734		1987		\$446,700	5%	\$234,517	\$681,219				\$597,442	\$646,069	\$48,626

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2007	2017	During Fee Period	2007	2017	During Fee Period
21" and 18" Sewer Line from Wilson Creek														
Main Interceptor Crossing Virginia Parkway (Wilson Creek Lateral #22)														
384.1	455	21		\$64.87	\$29,491		\$15,483	\$44,974	89%	95%	6%	\$40,027	\$42,725	\$2,698
411.1	376	21		\$64.87	\$24,359		\$12,788	\$37,147	89%	95%	6%	\$33,061	\$35,290	\$2,229
433.1	318	21		\$64.87	\$20,649		\$10,841	\$31,490	89%	95%	6%	\$28,026	\$29,916	\$1,889
463.1	382	21		\$64.87	\$24,749		\$12,993	\$37,742	91%	96%	5%	\$34,345	\$36,232	\$1,887
505.1	329	21		\$64.87	\$21,310		\$11,188	\$32,498	91%	96%	5%	\$29,573	\$31,198	\$1,625
531.1	379	18		\$64.87	\$24,606		\$12,918	\$37,524	91%	96%	5%	\$34,147	\$36,023	\$1,876
538.1	354	18		\$64.87	\$22,965		\$12,057	\$35,022	91%	96%	5%	\$31,870	\$33,621	\$1,751
546.1	162	18		\$64.87	\$10,535		\$5,531	\$16,066	91%	96%	5%	\$14,620	\$15,423	\$803
547.1	164	18		\$64.87	\$10,658		\$5,595	\$16,253	93%	97%	4%	\$15,115	\$15,765	\$650
548.1	61	18		\$64.87	\$3,970		\$2,084	\$6,054	93%	97%	4%	\$5,630	\$5,872	\$242
564.1	166	18		\$64.87	\$10,775		\$5,657	\$16,432	93%	97%	4%	\$15,282	\$15,939	\$657
575.1	141	18		\$64.87	\$9,114		\$4,785	\$13,899	94%	98%	4%	\$13,065	\$13,621	\$556
584.1	63	18		\$64.87	\$4,113		\$2,159	\$6,272	94%	98%	4%	\$5,896	\$6,147	\$251
585.1	119	18		\$64.87	\$7,700		\$4,043	\$11,743	94%	98%	4%	\$11,038	\$11,508	\$470
618.1	362	18		\$64.87	\$23,458		\$12,315	\$35,773	94%	98%	4%	\$33,627	\$35,058	\$1,431
623.1	111	18		\$64.87	\$7,168		\$3,763	\$10,931	94%	98%	4%	\$10,275	\$10,712	\$437
642.1	224	18		\$64.87	\$14,538		\$7,632	\$22,170	95%	98%	3%	\$21,062	\$21,727	\$665
649.1	132.8	18		\$64.87	\$8,615		\$4,523	\$13,138	95%	98%	3%	\$12,481	\$12,875	\$394
670.1	228	18		\$64.87	\$14,765		\$7,752	\$22,517	95%	98%	3%	\$21,391	\$22,067	\$676
671.1	388	18		\$64.87	\$25,190		\$13,225	\$38,415	98%	99%	1%	\$37,647	\$38,031	\$384
682.1	457	18		\$64.87	\$29,653		\$15,568	\$45,221	98%	99%	1%	\$44,317	\$44,769	\$452
685.1	125	18		\$64.87	\$8,096		\$4,250	\$12,346	98%	99%	1%	\$12,099	\$12,223	\$123
686.1	225	18		\$64.87	\$14,596		\$7,663	\$22,259	98%	99%	1%	\$21,814	\$22,036	\$223
691.1	341	18		\$64.87	\$22,128		\$11,617	\$33,745	98%	99%	1%	\$33,070	\$33,408	\$337
Subtotal:	6,061		1987		\$393,200	5%	\$206,430	\$599,631				\$559,478	\$582,186	\$22,706

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2007	2017	During Fee Period	2007	2017	During Fee Period
33" and 30" Sewer Line														
Along Grey Branch (Wilson Creek Lateral #25)														
248.1	157	33		\$37.97	\$5,961		\$3,130	\$9,091	88%	97%	9%	\$8,000	\$8,818	\$818
254.1	232	33		\$37.97	\$8,824		\$4,633	\$13,457	88%	97%	9%	\$11,842	\$13,053	\$1,211
256.1	198	33		\$37.97	\$7,514		\$3,945	\$11,459	88%	97%	9%	\$10,084	\$11,115	\$1,031
271.1	315	33		\$37.97	\$11,976		\$6,287	\$18,263	88%	97%	9%	\$16,071	\$17,715	\$1,644
277.1	208	30		\$37.97	\$7,879		\$4,136	\$12,015	88%	97%	9%	\$10,573	\$11,655	\$1,081
284.1	198	30		\$37.97	\$7,510		\$3,943	\$11,453	88%	97%	9%	\$10,079	\$11,109	\$1,031
286.1	393	30		\$37.97	\$14,915		\$7,830	\$22,745	88%	97%	9%	\$20,016	\$22,063	\$2,047
287.1	217	30		\$37.97	\$8,251		\$4,332	\$12,583	88%	97%	9%	\$11,073	\$12,206	\$1,132
299.1	319	30		\$37.97	\$12,120		\$6,363	\$18,483	88%	97%	9%	\$16,265	\$17,929	\$1,663
300.1	495	30		\$37.97	\$18,799		\$9,869	\$28,668	90%	97%	7%	\$25,801	\$27,808	\$2,007
310.1	368	30		\$37.97	\$13,984		\$7,342	\$21,326	90%	97%	7%	\$19,193	\$20,686	\$1,493
322.1	283	30		\$37.97	\$10,730		\$5,633	\$16,363	90%	97%	7%	\$14,727	\$15,872	\$1,145
350.1	591	30		\$37.97	\$22,436		\$11,779	\$34,215	90%	97%	7%	\$30,794	\$33,189	\$2,395
359.1	282	30		\$37.97	\$10,704		\$5,620	\$16,324	90%	97%	7%	\$14,692	\$15,834	\$1,143
368.1	297	30		\$37.97	\$11,285		\$5,925	\$17,210	90%	98%	8%	\$15,489	\$16,866	\$1,377
386.1	259	30		\$37.97	\$9,838		\$5,165	\$15,003	90%	98%	8%	\$13,503	\$14,703	\$1,200
387.1	267	30		\$37.97	\$10,153		\$5,330	\$15,483	90%	98%	8%	\$13,935	\$15,173	\$1,239
389.1	217	30		\$37.97	\$8,247		\$4,330	\$12,577	90%	98%	8%	\$11,319	\$12,325	\$1,006
408.1	366	30		\$37.97	\$13,905		\$7,300	\$21,205	90%	98%	8%	\$19,085	\$20,781	\$1,696
423.1	236	30		\$37.97	\$8,976		\$4,712	\$13,688	90%	98%	8%	\$12,319	\$13,414	\$1,095
434.1	123	30		\$37.97	\$4,655		\$2,444	\$7,099	90%	98%	8%	\$6,389	\$6,957	\$568
439.1	217	30		\$37.97	\$8,220		\$4,316	\$12,536	90%	98%	8%	\$11,282	\$12,285	\$1,003
449.1	151	30		\$37.97	\$5,733		\$3,010	\$8,743	90%	98%	8%	\$7,869	\$8,568	\$699
479.1	154	30		\$37.97	\$5,832		\$3,062	\$8,894	90%	98%	8%	\$8,005	\$8,716	\$712
495.1	79	30		\$37.97	\$3,011		\$1,581	\$4,592	90%	98%	8%	\$4,133	\$4,500	\$367
517.1	280	30		\$37.97	\$10,632		\$5,582	\$16,214	90%	98%	8%	\$14,593	\$15,890	\$1,297
527.1	254	30		\$37.97	\$9,652		\$5,067	\$14,719	90%	98%	8%	\$13,247	\$14,425	\$1,178
541.1	235	30		\$37.97	\$8,934		\$4,690	\$13,624	91%	99%	8%	\$12,398	\$13,488	\$1,090
553.1	170	30		\$37.97	\$6,436		\$3,379	\$9,815	91%	99%	8%	\$8,932	\$9,717	\$785
563.1	232	30		\$37.97	\$8,794		\$4,617	\$13,411	91%	99%	8%	\$12,204	\$13,277	\$1,073
566.1	88	30		\$37.97	\$3,330		\$1,748	\$5,078	90%	99%	9%	\$4,570	\$5,027	\$457
572.1	147	30		\$37.97	\$5,563		\$2,921	\$8,484	90%	99%	9%	\$7,636	\$8,399	\$764
Subtotal:	8,027		1987		\$304,800	5%	\$160,021	\$464,820				\$416,118	\$453,563	\$37,447

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2007	2017	During Fee Period	2007	2017	During Fee Period
Bray Central 18", 15", and 12" Sewer Line														
Trinity River Lateral #6														
30.1	381	18		\$7.00	\$2,667		\$1,400	\$4,067	84%	85%	1%	\$3,416	\$3,457	\$41
32.1	329	18		\$7.00	\$2,301		\$1,208	\$3,509	84%	85%	1%	\$2,948	\$2,983	\$35
37.1	473	15		\$7.00	\$3,308		\$1,737	\$5,045	84%	85%	1%	\$4,238	\$4,288	\$50
39.1	498	15		\$7.00	\$3,484		\$1,829	\$5,313	84%	85%	1%	\$4,463	\$4,516	\$53
40.1	195	15		\$7.00	\$1,368		\$718	\$2,086	96%	97%	1%	\$2,003	\$2,023	\$21
41.1	430	15		\$7.00	\$3,011		\$1,581	\$4,592	96%	97%	1%	\$4,408	\$4,454	\$46
43.1	235	15		\$7.00	\$1,647		\$865	\$2,512	96%	97%	1%	\$2,412	\$2,437	\$25
44.1	191	15		\$7.00	\$1,340		\$704	\$2,044	96%	97%	1%	\$1,962	\$1,983	\$20
45.1	187	15		\$7.00	\$1,307		\$686	\$1,993	96%	97%	1%	\$1,913	\$1,933	\$20
46.1	23	15		\$7.00	\$159		\$83	\$242	100%	100%	0%	\$242	\$242	\$0
47.1	148	15		\$7.00	\$1,032		\$542	\$1,574	93%	95%	2%	\$1,464	\$1,495	\$31
48.1	167	15		\$7.00	\$1,170		\$614	\$1,784	93%	95%	2%	\$1,659	\$1,695	\$36
49.1	204	15		\$7.00	\$1,430		\$751	\$2,181	93%	95%	2%	\$2,028	\$2,072	\$44
50.1	340	15		\$7.00	\$2,376		\$1,247	\$3,623	93%	95%	2%	\$3,369	\$3,442	\$72
51.1	119	15		\$7.00	\$832		\$437	\$1,269	93%	95%	2%	\$1,180	\$1,206	\$25
52.1	113	12		\$7.00	\$790		\$415	\$1,205	93%	95%	2%	\$1,121	\$1,145	\$24
53.1	301	15		\$7.00	\$2,108		\$1,107	\$3,215	93%	95%	2%	\$2,990	\$3,054	\$64
54.1	366	12		\$7.00	\$2,565		\$1,347	\$3,912	93%	95%	2%	\$3,638	\$3,716	\$78
55.1	424	12		\$7.00	\$2,967		\$1,558	\$4,525	93%	95%	2%	\$4,208	\$4,299	\$90
56.1	182	12		\$7.00	\$1,270		\$667	\$1,937	93%	95%	2%	\$1,801	\$1,840	\$39
57.1	480	12		\$7.00	\$3,359		\$1,764	\$5,123	93%	95%	2%	\$4,764	\$4,867	\$102
58.1	40	12		\$7.00	\$279		\$146	\$425	95%	97%	2%	\$404	\$412	\$9
59.1	210	12		\$7.00	\$1,467		\$770	\$2,237	95%	97%	2%	\$2,125	\$2,170	\$45
60.1	478	12		\$7.00	\$3,346		\$1,757	\$5,103	95%	97%	2%	\$4,848	\$4,950	\$102
62.1	1,017	12		\$7.00	\$7,119		\$3,738	\$10,857	95%	97%	2%	\$10,314	\$10,531	\$217
Subtotal:	7,529		1985		\$52,700	5%	\$27,671	\$80,373				\$73,918	\$75,210	\$1,289
Airport Lift Station														
Wilson Creek Lateral #6														
1146a.1	5,380	8		\$5.76	\$31,000		\$16,275	\$47,275	97%	99%	2%	\$45,857	\$46,802	\$946
Subtotal:	5,380		1983		\$31,000	5%	\$16,275	\$47,275				\$45,857	\$46,802	\$946

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2007	2017	During Fee Period	2007	2017	During Fee Period
West McKinney 24" Outfall Sanitary Sewer Main														
Along Wilson Creek to Wastewater Treatment Plant (Wilson Creek Main Interceptor)														
916.1	528	24		\$49.86	\$26,339		\$13,828	\$40,167	34%	35%	1%	\$13,657	\$14,058	\$402
915.1	713	24		\$49.86	\$35,532		\$18,654	\$54,186	34%	35%	1%	\$18,423	\$18,965	\$542
882.1	671	24		\$49.86	\$33,458		\$17,565	\$51,023	39%	40%	1%	\$19,899	\$20,409	\$510
853.1	744	24		\$49.86	\$37,113		\$19,484	\$56,597	39%	41%	2%	\$22,073	\$23,205	\$1,132
825.1	631	24		\$49.86	\$31,434		\$16,503	\$47,937	39%	41%	2%	\$18,695	\$19,654	\$959
803.1	727	24		\$49.86	\$36,220		\$19,016	\$55,236	39%	41%	2%	\$21,542	\$22,647	\$1,105
783.1	688	24		\$49.86	\$34,311		\$18,013	\$52,324	39%	41%	2%	\$20,406	\$21,453	\$1,046
768.1	510	24		\$49.86	\$25,431		\$13,351	\$38,782	34%	35%	1%	\$13,186	\$13,574	\$388
724.1	537	24		\$49.86	\$26,768		\$14,053	\$40,821	34%	35%	1%	\$13,879	\$14,287	\$408
720.1	98	24		\$49.86	\$4,886		\$2,565	\$7,451	35%	37%	2%	\$2,608	\$2,757	\$149
711.1	113	24		\$49.86	\$5,624		\$2,953	\$8,577	35%	37%	2%	\$3,002	\$3,173	\$172
698.1	163	24		\$49.86	\$8,107		\$4,256	\$12,363	36%	37%	1%	\$4,451	\$4,574	\$124
687.1	445	24		\$49.86	\$22,186		\$11,648	\$33,834	36%	38%	2%	\$12,180	\$12,857	\$677
673.1	275	24		\$49.86	\$13,705		\$7,195	\$20,900	38%	39%	1%	\$7,942	\$8,151	\$209
635.1	463	24		\$49.86	\$23,068		\$12,111	\$35,179	31%	32%	1%	\$10,905	\$11,257	\$352
624.1	155	24		\$49.86	\$7,713		\$4,049	\$11,762	33%	33%	0%	\$3,881	\$3,881	\$0
567.1	657	24		\$49.86	\$32,745		\$17,191	\$49,936	36%	40%	4%	\$17,977	\$19,974	\$1,997
536.1	596	24		\$49.86	\$29,689		\$15,587	\$45,276	36%	40%	4%	\$16,299	\$18,110	\$1,811
507.1	435	24		\$49.86	\$21,672		\$11,378	\$33,050	36%	43%	7%	\$11,898	\$14,212	\$2,314
Subtotal:	9,146		1982		\$456,000	5%	\$239,400	\$695,401				\$252,903	\$267,198	\$14,297

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2007	2017	During Fee Period	2007	2017	During Fee Period
West McKinney 15" Outfall Sanitary Sewer Main														
From Wilson Creek to Wastewater Treatment Plant (Wilson Creek Lateral #20)														
418.1	741	15		\$24.56	\$18,209		\$9,560	\$27,769	45%	93%	48%	\$12,496	\$25,825	\$13,329
382.1	561	15		\$24.56	\$13,785		\$7,237	\$21,022	44%	92%	48%	\$9,250	\$19,340	\$10,091
365.1	233	15		\$24.56	\$5,716		\$3,001	\$8,717	40%	91%	51%	\$3,487	\$7,932	\$4,446
362.1	139	15		\$24.56	\$3,417		\$1,794	\$5,211	40%	91%	51%	\$2,084	\$4,742	\$2,658
344.1	228	15		\$24.56	\$5,601		\$2,941	\$8,542	40%	91%	51%	\$3,417	\$7,773	\$4,356
342.2	58	15		\$24.56	\$1,435		\$753	\$2,188	40%	91%	51%	\$875	\$1,991	\$1,116
337.1	226	15		\$24.56	\$5,549		\$2,913	\$8,462	39%	91%	52%	\$3,300	\$7,700	\$4,400
333.1	127	15		\$24.56	\$3,110		\$1,633	\$4,743	39%	91%	52%	\$1,850	\$4,316	\$2,466
311.1	346	15		\$24.56	\$8,506		\$4,466	\$12,972	39%	91%	52%	\$5,059	\$11,805	\$6,745
291.1	423	15		\$24.56	\$10,386		\$5,453	\$15,839	38%	90%	52%	\$6,019	\$14,255	\$8,236
260.1	604	15		\$24.56	\$14,839		\$7,791	\$22,630	38%	90%	52%	\$8,599	\$20,367	\$11,768
240.1	508	15		\$24.56	\$12,469		\$6,546	\$19,015	38%	90%	52%	\$7,226	\$17,114	\$9,888
220.1	509	15		\$24.56	\$12,505		\$6,565	\$19,070	38%	90%	52%	\$7,247	\$17,163	\$9,916
206.1	488	15		\$24.56	\$11,985		\$6,292	\$18,277	38%	90%	52%	\$6,945	\$16,449	\$9,504
196.1	499	15		\$24.56	\$12,267		\$6,440	\$18,707	38%	90%	52%	\$7,109	\$16,836	\$9,728
157.1	355	15		\$24.56	\$8,723		\$4,580	\$13,303	38%	90%	52%	\$5,055	\$11,973	\$6,918
Subtotal:	6,046		1980		\$148,500	5%	\$77,965	\$226,467				\$90,018	\$205,581	\$115,565

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2007	2017	During Fee Period	2007	2017	During Fee Period
15" Sewer Line														
Along Jeans Creek (Wilson Creek Lateral #15)														
537.1	264	15		\$30.14	\$7,966		\$4,182	\$12,148	82%	94%	12%	\$9,961	\$11,419	\$1,458
549.1	144	15		\$30.14	\$4,325		\$2,271	\$6,596	84%	96%	12%	\$5,541	\$6,332	\$792
561.1	395	15		\$30.14	\$11,896		\$6,245	\$18,141	84%	96%	12%	\$15,238	\$17,415	\$2,177
593.1	58	15		\$30.14	\$1,760		\$924	\$2,684	84%	96%	12%	\$2,255	\$2,577	\$322
600.1	241	15		\$30.14	\$7,269		\$3,816	\$11,085	85%	96%	11%	\$9,422	\$10,642	\$1,219
621.1	168	15		\$30.14	\$5,063		\$2,658	\$7,721	85%	96%	11%	\$6,563	\$7,412	\$849
637.1	152	15		\$30.14	\$4,575		\$2,402	\$6,977	85%	96%	11%	\$5,930	\$6,698	\$767
652.1	177	15		\$30.14	\$5,322		\$2,794	\$8,116	85%	96%	11%	\$6,899	\$7,791	\$893
667.1	116	15		\$30.14	\$3,493		\$1,834	\$5,327	85%	96%	11%	\$4,528	\$5,114	\$586
678.1	361	15		\$30.14	\$10,865		\$5,704	\$16,569	85%	96%	11%	\$14,084	\$15,906	\$1,823
697.1	317	15		\$30.14	\$9,566		\$5,022	\$14,588	85%	96%	11%	\$12,400	\$14,004	\$1,605
725.2	27	15		\$30.14	\$826		\$434	\$1,260	86%	97%	11%	\$1,084	\$1,222	\$139
726.1	243	15		\$30.14	\$7,318		\$3,842	\$11,160	86%	97%	11%	\$9,598	\$10,825	\$1,228
751.1	246	15		\$30.14	\$7,426		\$3,899	\$11,325	86%	97%	11%	\$9,740	\$10,985	\$1,246
766.1	136	15		\$30.14	\$4,096		\$2,150	\$6,246	86%	97%	11%	\$5,372	\$6,059	\$687
776.1	113	15		\$30.14	\$3,394		\$1,782	\$5,176	86%	97%	11%	\$4,451	\$5,021	\$569
777.1	579	15		\$30.14	\$17,441		\$9,157	\$26,598	86%	97%	11%	\$22,874	\$25,800	\$2,926
815.1	578	15		\$30.14	\$17,426		\$9,149	\$26,575	86%	97%	11%	\$22,855	\$25,778	\$2,923
846.1	70	15		\$30.14	\$2,110		\$1,108	\$3,218	86%	97%	11%	\$2,767	\$3,121	\$354
847.1	126	15		\$30.14	\$3,791		\$1,990	\$5,781	88%	97%	9%	\$5,087	\$5,608	\$520
848.1	242	15		\$30.14	\$7,299		\$3,832	\$11,131	88%	97%	9%	\$9,795	\$10,797	\$1,002
852.1	71	15		\$30.14	\$2,140		\$1,124	\$3,264	88%	97%	9%	\$2,872	\$3,166	\$294
858.1	156	15		\$30.14	\$4,686		\$2,460	\$7,146	88%	97%	9%	\$6,288	\$6,932	\$643
864.1	784	15		\$30.14	\$23,613		\$12,397	\$36,010	88%	97%	9%	\$31,689	\$34,930	\$3,241
919.1	396	15		\$30.14	\$11,935		\$6,266	\$18,201	88%	97%	9%	\$16,017	\$17,655	\$1,638
Subtotal:	6,158		1965		\$185,600	5%	\$83,820	\$243,474				\$210,315	\$235,466	\$25,152

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2007	2017	During Fee Period	2007	2017	During Fee Period
2002 Wilson Creek Interceptor														
From Rail Road to West Side of S.H. 75														
996.1	588	42		\$204.93	\$120,458		\$63,240	\$183,698	78%	100%	22%	\$143,284	\$183,698	\$40,414
987.1	172	42		\$204.93	\$35,248		\$18,505	\$53,753	78%	100%	22%	\$41,927	\$53,753	\$11,826
968.1	524	42		\$204.93	\$107,301		\$56,333	\$163,634	78%	100%	22%	\$127,635	\$163,634	\$35,999
963.1	59	42		\$204.93	\$12,173		\$6,391	\$18,564	78%	100%	22%	\$14,480	\$18,564	\$4,084
956.1	72	42		\$204.93	\$14,734		\$7,735	\$22,469	78%	100%	22%	\$17,526	\$22,469	\$4,943
953a.1	145	36		\$204.93	\$29,735		\$15,611	\$45,346	77%	100%	23%	\$34,916	\$45,346	\$10,430
950a.1	248	36		\$204.93	\$50,823		\$26,682	\$77,505	77%	100%	23%	\$59,679	\$77,505	\$17,826
948.1	506	36		\$204.93	\$103,715		\$54,450	\$158,165	78%	100%	22%	\$123,369	\$158,165	\$34,796
1324.1	212	48		\$204.93	\$43,527		\$22,852	\$66,379	69%	100%	31%	\$45,802	\$66,379	\$20,577
1314.1	273	48		\$204.93	\$55,905		\$29,350	\$85,255	69%	100%	31%	\$58,826	\$85,255	\$26,429
1308.1	302	48		\$204.93	\$61,971		\$32,535	\$94,506	69%	100%	31%	\$65,209	\$94,506	\$29,297
1293.1	359	48		\$204.93	\$73,549		\$38,613	\$112,162	69%	100%	31%	\$77,392	\$112,162	\$34,770
1270.1	435	48		\$204.93	\$89,124		\$46,790	\$135,914	69%	100%	31%	\$93,781	\$135,914	\$42,133
1250.1	376	48		\$204.93	\$77,136		\$40,496	\$117,632	69%	100%	31%	\$81,166	\$117,632	\$36,466
1242.1	169	48		\$204.93	\$34,531		\$18,129	\$52,660	71%	100%	29%	\$37,389	\$52,660	\$15,271
1226.2	235	48		\$204.93	\$48,240		\$25,326	\$73,566	72%	100%	28%	\$52,968	\$73,566	\$20,598
1188.2	736	48		\$204.93	\$150,828		\$79,185	\$230,013	73%	100%	27%	\$167,909	\$230,013	\$62,104
1177.1	219	48		\$204.93	\$44,921		\$23,584	\$68,505	76%	100%	24%	\$52,064	\$68,505	\$16,441
1167.1	231	48		\$204.93	\$47,257		\$24,810	\$72,067	77%	100%	23%	\$55,492	\$72,067	\$16,575
1126.1	745	48		\$204.93	\$152,570		\$80,099	\$232,669	77%	100%	23%	\$179,155	\$232,669	\$53,514
1078.2	560	48		\$204.93	\$114,781		\$60,260	\$175,041	79%	100%	21%	\$138,282	\$175,041	\$36,759
1077.1	293	48		\$204.93	\$60,003		\$31,502	\$91,505	80%	100%	20%	\$73,204	\$91,505	\$18,301
1042.1	364	48		\$204.93	\$74,594		\$39,162	\$113,756	80%	100%	20%	\$91,005	\$113,756	\$22,751
1034.1	263	48		\$204.93	\$53,856		\$28,274	\$82,130	80%	100%	20%	\$65,704	\$82,130	\$16,426
1020.1	370	42		\$204.93	\$75,824		\$39,808	\$115,632	80%	100%	20%	\$92,506	\$115,632	\$23,126
1019.1	548	42		\$204.93	\$112,261		\$58,937	\$171,198	80%	100%	20%	\$136,958	\$171,198	\$34,240
1018.1	866	42		\$204.93	\$177,367		\$93,118	\$270,485	80%	100%	20%	\$216,388	\$270,485	\$54,097
1013.1	95	42		\$204.93	\$19,407		\$10,189	\$29,596	80%	100%	20%	\$23,677	\$29,596	\$5,919
1009.1	411	42		\$204.93	\$84,267		\$44,240	\$128,507	78%	100%	22%	\$100,235	\$128,507	\$28,272
1008.1	145	42		\$204.93	\$29,694		\$15,589	\$45,283	78%	100%	22%	\$35,321	\$45,283	\$9,962
Subtotal:	10,520		2000		\$2,155,800	5%	\$1,131,795	\$3,287,595				\$2,503,249	\$3,287,595	\$784,346

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2007	2017	During Fee Period	2007	2017	During Fee Period
18" Diversion Sewer Line														
From Throckmorton to 27" NTMWD Sewer Line														
576.1	777	18		\$64.41	\$50,067		\$26,285	\$76,352	100%	100%	0%	\$76,352	\$76,352	\$0
578.1	346	18		\$64.41	\$22,312		\$11,714	\$34,026	100%	100%	0%	\$34,026	\$34,026	\$0
580.1	496	18		\$64.41	\$31,961		\$16,780	\$48,741	100%	100%	0%	\$48,741	\$48,741	\$0
583.1	336	18		\$64.41	\$21,649		\$11,366	\$33,015	100%	100%	0%	\$33,015	\$33,015	\$0
594.1	770	18		\$64.41	\$49,603		\$26,042	\$75,645	100%	100%	0%	\$75,645	\$75,645	\$0
597.1	433	18		\$64.41	\$27,897		\$14,646	\$42,543	100%	100%	0%	\$42,543	\$42,543	\$0
598.1	261	18		\$64.41	\$16,811		\$8,826	\$25,637	100%	100%	0%	\$25,637	\$25,637	\$0
Subtotal:	3,420		1995		\$220,300	5%	\$115,659	\$335,959				\$335,959	\$335,959	\$0

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2007	2017	During Fee Period	2007	2017	During Fee Period
Provine Farms Sewer Line														
From Hardin Boulevard to Wilson Creek Interceptor														
981.1	188	12		\$29.90	\$5,610		\$2,945	\$8,555	98%	100%	2%	\$8,384	\$8,555	\$171
975.1	408	12		\$29.90	\$12,189		\$6,399	\$18,588	98%	100%	2%	\$18,216	\$18,588	\$372
964.1	267	12		\$29.90	\$7,987		\$4,193	\$12,180	96%	100%	4%	\$11,693	\$12,180	\$487
946.1	479	12		\$29.90	\$14,324		\$7,520	\$21,844	79%	100%	21%	\$17,257	\$21,844	\$4,587
943.1	234	12		\$29.90	\$6,985		\$3,667	\$10,652	80%	100%	20%	\$8,522	\$10,652	\$2,130
939.1	64	12		\$29.90	\$1,905		\$1,000	\$2,905	94%	100%	6%	\$2,731	\$2,905	\$174
937.1	223	12		\$29.90	\$6,674		\$3,504	\$10,178	82%	100%	18%	\$8,346	\$10,178	\$1,832
936.1	249	12		\$29.90	\$7,458		\$3,915	\$11,373	95%	100%	5%	\$10,804	\$11,373	\$569
921.1	239	12		\$29.90	\$7,153		\$3,755	\$10,908	81%	100%	19%	\$8,835	\$10,908	\$2,073
909.1	309	12		\$29.90	\$9,231		\$4,846	\$14,077	82%	100%	18%	\$11,543	\$14,077	\$2,534
883.1	620	12		\$29.90	\$18,540		\$9,734	\$28,274	84%	100%	16%	\$23,750	\$28,274	\$4,524
855.1	574	12		\$29.90	\$17,168		\$9,013	\$26,181	84%	100%	16%	\$21,992	\$26,181	\$4,189
833.1	165	12		\$29.90	\$4,925		\$2,586	\$7,511	85%	100%	15%	\$6,384	\$7,511	\$1,127
832.1	60	12		\$29.90	\$1,800		\$945	\$2,745	95%	100%	5%	\$2,608	\$2,745	\$137
828.1	621	12		\$29.90	\$18,570		\$9,749	\$28,319	84%	100%	16%	\$23,788	\$28,319	\$4,531
795.1	407	12		\$29.90	\$12,168		\$6,388	\$18,556	84%	100%	16%	\$15,587	\$18,556	\$2,969
780.1	371	12		\$29.90	\$11,079		\$5,816	\$16,895	85%	100%	15%	\$14,361	\$16,895	\$2,534
760.1	324	12		\$29.90	\$9,692		\$5,088	\$14,780	85%	100%	15%	\$12,563	\$14,780	\$2,217
737.1	95	12		\$29.90	\$2,850		\$1,496	\$4,346	80%	100%	20%	\$3,477	\$4,346	\$869
735.1	326	12		\$29.90	\$9,737		\$5,112	\$14,849	80%	100%	20%	\$11,879	\$14,849	\$2,970
708.1	162	12		\$29.90	\$4,841		\$2,542	\$7,383	80%	100%	20%	\$5,906	\$7,383	\$1,477
704.1	343	12		\$29.90	\$10,257		\$5,385	\$15,642	80%	100%	20%	\$12,514	\$15,642	\$3,128
703.1	551	12		\$29.90	\$16,486		\$8,655	\$25,141	80%	100%	20%	\$20,113	\$25,141	\$5,028
676.1	382	12		\$29.90	\$11,423		\$5,997	\$17,420	80%	100%	20%	\$13,936	\$17,420	\$3,484
1021.1	530	12		\$29.90	\$15,849		\$8,321	\$24,170	98%	100%	2%	\$23,687	\$24,170	\$483
Subtotal:	8,190		1996		\$244,900	5%	\$128,571	\$373,472				\$318,876	\$373,472	\$54,596

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2007	2017	During Fee Period	2007	2017	During Fee Period
1997 Sewer Line Along Cottonwood Creek														
From S.H. 121 to South of Eldorado Parkway														
1532.1	110	18		\$69.47	\$7,649		\$4,016	\$11,665	69%	100%	31%	\$8,049	\$11,665	\$3,616
1525.1	735	18		\$69.47	\$51,068		\$26,811	\$77,879	95%	98%	3%	\$73,985	\$76,321	\$2,336
1524.1	506	18		\$69.47	\$35,153		\$18,455	\$53,608	95%	97%	2%	\$50,928	\$52,000	\$1,072
1518.1	399	18		\$69.47	\$27,684		\$14,534	\$42,218	95%	98%	3%	\$40,107	\$41,374	\$1,267
1504.1	716	18		\$69.47	\$49,742		\$26,115	\$75,857	95%	98%	3%	\$72,064	\$74,340	\$2,276
1497.1	506	18		\$69.47	\$35,139		\$18,448	\$53,587	96%	99%	3%	\$51,444	\$53,051	\$1,608
1492.1	742	18		\$69.47	\$51,562		\$27,070	\$78,632	96%	99%	3%	\$75,487	\$77,846	\$2,359
1484.1	789	18		\$69.47	\$54,841		\$28,792	\$83,633	96%	99%	3%	\$80,288	\$82,797	\$2,509
1480.1	118	18		\$69.47	\$8,163		\$4,286	\$12,449	96%	99%	3%	\$11,951	\$12,325	\$373
Subtotal:	4,621		1997		\$321,000	5%	\$168,527	\$489,528				\$464,303	\$481,719	\$17,416
Wilson Creek Interceptor Phase 2														
From west of S.H. 75 to 1,600 feet north of Virginia Parkway														
507a.1	402	36		\$122.14	\$49,090		\$25,772	\$74,862	0%	0%	0%	\$0	\$0	\$0
536a.1	596	36		\$122.14	\$72,737		\$38,187	\$110,924	54%	100%	46%	\$59,899	\$110,924	\$51,025
567a.1	657	36		\$122.14	\$80,224		\$42,118	\$122,342	54%	100%	46%	\$66,065	\$122,342	\$56,277
624a.1	155	36		\$122.14	\$18,896		\$9,920	\$28,816	68%	100%	32%	\$19,595	\$28,816	\$9,221
635a.1	463	36		\$122.14	\$56,516		\$29,671	\$86,187	68%	100%	32%	\$58,607	\$86,187	\$27,580
673a.1	275	36		\$122.14	\$33,577		\$17,628	\$51,205	68%	100%	32%	\$34,819	\$51,205	\$16,386
687a.1	445	36		\$122.14	\$54,354		\$28,536	\$82,890	68%	100%	32%	\$56,365	\$82,890	\$26,525
698a.1	163	36		\$122.14	\$19,861		\$10,427	\$30,288	68%	100%	32%	\$20,596	\$30,288	\$9,692
711a.1	113	36		\$122.14	\$13,778		\$7,233	\$21,011	68%	100%	32%	\$14,287	\$21,011	\$6,724
720a.1	98	36		\$122.14	\$11,970		\$6,284	\$18,254	68%	100%	32%	\$12,413	\$18,254	\$5,841
724a.1	537	36		\$122.14	\$65,579		\$34,429	\$100,008	68%	100%	32%	\$68,005	\$100,008	\$32,003
768a.1	510	36		\$122.14	\$62,306		\$32,711	\$95,017	68%	100%	32%	\$64,612	\$95,017	\$30,405
783a.1	688	36		\$122.14	\$84,060		\$44,131	\$128,191	68%	100%	32%	\$87,170	\$128,191	\$41,021
803a.1	727	36		\$122.14	\$88,738		\$46,587	\$135,325	68%	100%	32%	\$92,021	\$135,325	\$43,304
825a.1	631	36		\$122.14	\$77,012		\$40,431	\$117,443	68%	100%	32%	\$79,861	\$117,443	\$37,582
853a.1	744	36		\$122.14	\$90,924		\$47,735	\$138,659	68%	100%	32%	\$94,288	\$138,659	\$44,371
882a.1	671	36		\$122.14	\$81,971		\$43,035	\$125,006	68%	100%	32%	\$85,004	\$125,006	\$40,002
915.2	713	36		\$122.14	\$87,052		\$45,702	\$132,754	77%	100%	23%	\$102,221	\$132,754	\$30,533
916a.1	528	36		\$122.14	\$64,529		\$33,878	\$98,407	77%	100%	23%	\$75,773	\$98,407	\$22,634
Subtotal:	9,114		2000		\$1,113,172	5%	\$584,415	\$1,697,589				\$1,091,601	\$1,622,727	\$531,126

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2007	2017	During Fee Period	2007	2017	During Fee Period
Spur 399 Sewer Line Along S.H. 5														
From Wilson Creek Interceptor to S.H. 75														
1256.1	503	15		\$51.14	\$25,746		\$13,517	\$39,263	95%	100%	5%	\$37,300	\$39,263	\$1,963
1259.1	21	15		\$51.14	\$1,048		\$550	\$1,598	95%	100%	5%	\$1,518	\$1,598	\$80
1269.1	257	15		\$51.14	\$13,134		\$6,895	\$20,029	95%	100%	5%	\$19,028	\$20,029	\$1,001
1285.1	310	15		\$51.14	\$15,865		\$8,329	\$24,194	95%	100%	5%	\$22,984	\$24,194	\$1,210
1295.1	338	15		\$51.14	\$17,261		\$9,062	\$26,323	95%	100%	5%	\$25,007	\$26,323	\$1,316
1307.1	375	15		\$51.14	\$19,179		\$10,069	\$29,248	95%	100%	5%	\$27,786	\$29,248	\$1,462
1313.1	377	15		\$51.14	\$19,297		\$10,131	\$29,428	95%	100%	5%	\$27,957	\$29,428	\$1,471
1317.1	65	15		\$51.14	\$3,299		\$1,732	\$5,031	95%	100%	5%	\$4,779	\$5,031	\$252
1319.1	620	15		\$51.14	\$31,700		\$16,642	\$48,342	95%	100%	5%	\$45,925	\$48,342	\$2,417
1335.1	450	15		\$51.14	\$23,031		\$12,091	\$35,122	95%	100%	5%	\$33,366	\$35,122	\$1,756
1341.1	241	15		\$51.14	\$12,311		\$6,463	\$18,774	96%	100%	4%	\$18,023	\$18,774	\$751
1352.1	279	15		\$51.14	\$14,269		\$7,491	\$21,760	96%	100%	4%	\$20,890	\$21,760	\$870
1365.1	345	15		\$51.14	\$17,650		\$9,266	\$26,916	96%	100%	4%	\$25,839	\$26,916	\$1,077
1378.1	376	15		\$51.14	\$19,241		\$10,102	\$29,343	96%	100%	4%	\$28,169	\$29,343	\$1,174
1387.1	337	15		\$51.14	\$17,236		\$9,049	\$26,285	96%	100%	4%	\$25,234	\$26,285	\$1,051
1407.1	575	15		\$51.14	\$29,383		\$15,426	\$44,809	96%	100%	4%	\$43,017	\$44,809	\$1,792
Subtotal:	5,468		1997		\$279,650	5%	\$146,815	\$426,465				\$406,822	\$426,465	\$19,643

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2007	2017	During Fee Period	2007	2017	During Fee Period
Herndon Branch Sewer Line														
From Hills Creek Drive to Wilson Creek Interceptor														
981.1	188	12		\$61.61	\$11,559		\$6,068	\$17,627	98%	100%	2%	\$17,274	\$17,627	\$353
975.1	408	12		\$61.61	\$25,114		\$13,185	\$38,299	98%	100%	2%	\$37,533	\$38,299	\$766
964.1	267	12		\$61.61	\$16,457		\$8,640	\$25,097	96%	100%	4%	\$24,093	\$25,097	\$1,004
946.1	479	12		\$61.61	\$29,513		\$15,494	\$45,007	79%	100%	21%	\$35,556	\$45,007	\$9,451
943.1	234	12		\$61.61	\$14,393		\$7,556	\$21,949	80%	100%	20%	\$17,559	\$21,949	\$4,390
939.1	64	12		\$61.61	\$3,925		\$2,061	\$5,986	94%	100%	6%	\$5,627	\$5,986	\$359
937.1	223	12		\$61.61	\$13,752		\$7,220	\$20,972	82%	100%	18%	\$17,197	\$20,972	\$3,775
936.1	249	12		\$61.61	\$15,367		\$8,068	\$23,435	95%	100%	5%	\$22,263	\$23,435	\$1,172
921.1	239	12		\$61.61	\$14,738		\$7,737	\$22,475	81%	100%	19%	\$18,205	\$22,475	\$4,270
909.1	309	12		\$61.61	\$19,020		\$9,986	\$29,006	82%	100%	18%	\$23,785	\$29,006	\$5,221
883.1	620	12		\$61.61	\$38,201		\$20,056	\$58,257	84%	100%	16%	\$48,936	\$58,257	\$9,321
855.1	574	12		\$61.61	\$35,373		\$18,571	\$53,944	84%	100%	16%	\$45,313	\$53,944	\$8,631
833.1	165	12		\$61.61	\$10,148		\$5,328	\$15,476	85%	100%	15%	\$13,155	\$15,476	\$2,321
832.1	60	12		\$61.61	\$3,709		\$1,947	\$5,656	95%	100%	5%	\$5,373	\$5,656	\$283
828.1	621	12		\$61.61	\$38,262		\$20,088	\$58,350	84%	100%	16%	\$49,014	\$58,350	\$9,336
795.1	407	12		\$61.61	\$25,071		\$13,162	\$38,233	84%	100%	16%	\$32,116	\$38,233	\$6,117
780.1	371	12		\$61.61	\$22,828		\$11,985	\$34,813	85%	100%	15%	\$29,591	\$34,813	\$5,222
760.1	324	12		\$61.61	\$19,969		\$10,484	\$30,453	85%	100%	15%	\$25,885	\$30,453	\$4,568
737.1	95	12		\$61.61	\$5,872		\$3,083	\$8,955	80%	100%	20%	\$7,164	\$8,955	\$1,791
735.1	326	12		\$61.61	\$20,062		\$10,533	\$30,595	80%	100%	20%	\$24,476	\$30,595	\$6,119
708.1	162	12		\$61.61	\$9,975		\$5,237	\$15,212	80%	100%	20%	\$12,170	\$15,212	\$3,042
704.1	343	12		\$61.61	\$21,134		\$11,095	\$32,229	80%	100%	20%	\$25,783	\$32,229	\$6,446
703.1	551	12		\$61.61	\$33,968		\$17,833	\$51,801	80%	100%	20%	\$41,441	\$51,801	\$10,360
676.1	382	12		\$61.61	\$23,537		\$12,357	\$35,894	80%	100%	20%	\$28,715	\$35,894	\$7,179
1021.1	530	12	1998	\$61.61	\$32,655		\$17,144	\$49,799	98%	100%	2%	\$48,803	\$49,799	\$996
Subtotal:	8,190		1998		\$504,600	5%	\$264,918	\$769,520				\$657,027	\$769,520	\$112,493
Jeans Creek Relief Sewer														
Along S.H 75 to Wilson Creek Interceptor														
847.2	371	18		\$63.80	\$23,656		\$12,420	\$36,076	84%	96%	12%	\$30,304	\$34,633	\$4,329
871.1	564	18		\$63.80	\$35,975		\$18,887	\$54,862	84%	96%	12%	\$46,084	\$52,668	\$6,583
911.1	98	18		\$63.80	\$6,227		\$3,269	\$9,496	84%	96%	12%	\$7,977	\$9,116	\$1,140
917.2	371	18		\$63.80	\$23,643		\$12,413	\$36,056	82%	96%	14%	\$29,566	\$34,614	\$5,048
Subtotal:	1,403		1999		\$89,500	5%	\$46,989	\$136,490				\$113,931	\$131,031	\$17,100

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2007	2017	During Fee Period	2007	2017	During Fee Period
Eagles Nest Sewer Service														
2003 - Phase 2														
1 898a.1	1,134	18		\$5.25	\$5,954		\$3,126	\$9,080	72%	98%	26%	\$6,538	\$8,898	\$2,361
1 898b.1	122	18		\$5.25	\$641		\$337	\$978	72%	98%	26%	\$704	\$958	\$254
1 898c.1	196	18		\$5.25	\$1,030		\$541	\$1,571	72%	98%	26%	\$1,131	\$1,540	\$408
1 898d.1	30	18		\$5.25	\$158		\$83	\$241	70%	98%	28%	\$169	\$236	\$67
1 898e.1	258	18		\$5.25	\$1,356		\$712	\$2,068	70%	98%	28%	\$1,448	\$2,027	\$579
1 898f.1	280	18		\$5.25	\$1,470		\$772	\$2,242	69%	98%	29%	\$1,547	\$2,197	\$650
1 898g.1	280	15		\$3.00	\$840		\$441	\$1,281	68%	98%	30%	\$871	\$1,255	\$384
1 898h.1	401	15		\$3.00	\$1,202		\$631	\$1,833	68%	98%	30%	\$1,246	\$1,796	\$550
1 898i.1	337	15		\$3.00	\$1,012		\$531	\$1,543	68%	98%	30%	\$1,049	\$1,512	\$463
1 898j.1	359	15		\$3.00	\$1,077		\$565	\$1,642	67%	98%	31%	\$1,100	\$1,609	\$509
1 898k.1	343	15		\$3.00	\$1,028		\$540	\$1,568	67%	98%	31%	\$1,051	\$1,537	\$486
1 G1559.1	143	15		\$3.00	\$428		\$225	\$653	67%	99%	32%	\$438	\$646	\$209
1 G1560.1	27	15		\$3.00	\$82		\$43	\$125	67%	99%	32%	\$84	\$124	\$40
1 G1561.1	116	15		\$3.00	\$348		\$183	\$531	67%	99%	32%	\$356	\$526	\$170
1 G1562.1	276	15		\$3.00	\$828		\$435	\$1,263	68%	98%	30%	\$859	\$1,238	\$379
1 G1564.1	275	15		\$3.00	\$826		\$434	\$1,260	68%	98%	30%	\$857	\$1,235	\$378
1 G1566.1	340	15		\$3.00	\$1,021		\$536	\$1,557	69%	98%	29%	\$1,074	\$1,526	\$452
1 G1605.1	450	15		\$3.00	\$1,350		\$709	\$2,059	70%	98%	28%	\$1,441	\$2,018	\$577
1 G1606.1	500	15		\$3.00	\$1,500		\$788	\$2,288	70%	98%	28%	\$1,602	\$2,242	\$641
1 G2285.1	476	15		\$3.00	\$1,429		\$750	\$2,179	100%	100%	0%	\$2,179	\$2,179	\$0
1 G2286.1	487	15		\$3.00	\$1,460		\$767	\$2,227	100%	100%	0%	\$2,227	\$2,227	\$0
1 G7993.1	183	15		\$3.00	\$549		\$288	\$837	100%	100%	0%	\$837	\$837	\$0
1 G972.1	190	15		\$3.00	\$569		\$299	\$868	100%	100%	0%	\$868	\$868	\$0
Subtotal:	7,203		2003		\$26,158	5%	\$13,736	\$39,894				\$29,676	\$39,231	\$9,557

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2007	2017	During Fee Period	2007	2017	During Fee Period
Custer West														
1 888.1	114	18		\$3.40	\$386		\$203	\$589	77%	98%	21%	\$454	\$577	\$124
1 890.1	265	18		\$3.40	\$902		\$474	\$1,376	77%	99%	22%	\$1,060	\$1,362	\$303
1 891.1	265	18		\$3.40	\$902		\$474	\$1,376	77%	99%	22%	\$1,060	\$1,362	\$303
1 893.1	500	18		\$3.40	\$1,699		\$892	\$2,591	76%	98%	22%	\$1,969	\$2,539	\$570
1 894.1	408	18		\$3.40	\$1,387		\$728	\$2,115	76%	99%	23%	\$1,607	\$2,094	\$486
1 895.1	311	18		\$3.40	\$1,057		\$555	\$1,612	76%	98%	22%	\$1,225	\$1,580	\$355
1 896.1	310	18		\$3.40	\$1,053		\$553	\$1,606	76%	98%	22%	\$1,221	\$1,574	\$353
1 898.1	531	18		\$3.40	\$1,805		\$948	\$2,753	76%	98%	22%	\$2,092	\$2,698	\$606
1 899.1	475	18		\$3.40	\$1,615		\$848	\$2,463	82%	98%	16%	\$2,020	\$2,414	\$394
1 900.1	490	15		\$1.70	\$833		\$437	\$1,270	82%	98%	16%	\$1,041	\$1,245	\$203
1 901.1	499	15		\$1.70	\$848		\$445	\$1,293	82%	98%	16%	\$1,060	\$1,267	\$207
1 902.1	159	15		\$1.70	\$269		\$141	\$410	82%	98%	16%	\$336	\$402	\$66
1 903.1	316	15		\$1.70	\$538		\$282	\$820	81%	98%	17%	\$664	\$804	\$139
1 904.1	360	15		\$1.70	\$612		\$321	\$933	80%	99%	19%	\$746	\$924	\$177
1 905.1	409	15		\$1.70	\$695		\$365	\$1,060	80%	98%	18%	\$848	\$1,039	\$191
Subtotal:	5,411				\$14,601	5%	\$7,666	\$22,267				\$17,403	\$21,881	\$4,477
Craig Ranch North														
Phase 6														
1 EG1953.1	664	15		\$208.00	\$138,133		\$0	\$138,133	91%	100%	9%	\$125,701	\$138,133	\$12,432
1 G1956.1	265	15		\$208.00	\$55,120		\$0	\$55,120	91%	100%	9%	\$50,159	\$55,120	\$4,961
1 G1957.1	265	15		\$208.00	\$55,120		\$0	\$55,120	91%	100%	9%	\$50,159	\$55,120	\$4,961
1 G1958.1	372	15		\$208.00	\$77,418		\$0	\$77,418	90%	100%	10%	\$69,676	\$77,418	\$7,742
1 G1959.1	264	15		\$208.00	\$54,912		\$0	\$54,912	90%	100%	10%	\$49,421	\$54,912	\$5,491
1 G1960.1	422	15		\$208.00	\$87,714		\$0	\$87,714	90%	100%	10%	\$78,943	\$87,714	\$8,771
1 G1979.1	474	15		\$208.00	\$98,530		\$0	\$98,530	90%	100%	10%	\$88,677	\$98,530	\$9,853
1 G1980.1	161	15		\$208.00	\$33,426		\$0	\$33,426	90%	100%	10%	\$30,083	\$33,426	\$3,343
1 G1981.1	60	15		\$208.00	\$12,480		\$0	\$12,480	90%	100%	10%	\$11,232	\$12,480	\$1,248
1 G1982.1	114	15		\$208.00	\$23,733		\$0	\$23,733	90%	100%	10%	\$21,360	\$23,733	\$2,373
1 G7941.1	635	15		\$208.00	\$131,976		\$0	\$131,976	90%	100%	10%	\$118,778	\$131,976	\$13,198
1 G7942.1	265	15		\$208.00	\$55,120		\$0	\$55,120	90%	100%	10%	\$49,608	\$55,120	\$5,512
Subtotal:	3,960		2004		\$823,680	0%	\$0	\$823,682				\$743,797	\$823,682	\$79,885

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2007	2017	During Fee Period	2007	2017	During Fee Period
Craig Ranch West (VCIM 2)														
Phase 1														
1 NR14.1	2,998	15		\$235.14	\$704,884		\$0	\$704,884	85%	100%	15%	\$599,151	\$704,884	\$105,733
1 G9332.1	381	24		\$235.14	\$89,660		\$0	\$89,660	73%	100%	27%	\$65,452	\$89,660	\$24,208
Subtotal:	3,379		2005		\$794,544	0%	\$0	\$794,544				\$664,603	\$794,544	\$129,941
Craig Ranch Infrastructure (VCIM 1)														
Phase 1 15" to 24"														
1 G8445.1	471	24		\$57.47	\$27,082		\$0	\$27,082	79%	100%	21%	\$21,395	\$27,082	\$5,687
1 G8446.1	335	24		\$57.47	\$19,254		\$0	\$19,254	79%	100%	21%	\$15,211	\$19,254	\$4,043
1 G8447.1	210	24		\$57.47	\$12,087		\$0	\$12,087	79%	100%	21%	\$9,549	\$12,087	\$2,538
1 G8453.1	289	24		\$57.47	\$16,587		\$0	\$16,587	79%	100%	21%	\$13,104	\$16,587	\$3,483
1 G8454.1	298	21		\$57.47	\$17,116		\$0	\$17,116	79%	100%	21%	\$13,522	\$17,116	\$3,594
1 G8455.1	291	21		\$57.47	\$16,702		\$0	\$16,702	79%	100%	21%	\$13,195	\$16,702	\$3,507
1 G8462.1	528	21		\$57.47	\$30,335		\$0	\$30,335	78%	100%	22%	\$23,661	\$30,335	\$6,674
1 G8463.1	456	21		\$57.47	\$26,180		\$0	\$26,180	78%	100%	22%	\$20,420	\$26,180	\$5,760
1 G8464.1	238	21		\$57.47	\$13,656		\$0	\$13,656	78%	100%	22%	\$10,652	\$13,656	\$3,004
1 G8465.1	555	18		\$57.47	\$31,875		\$0	\$31,875	75%	100%	25%	\$23,906	\$31,875	\$7,969
1 G8466.1	425	18		\$57.47	\$24,450		\$0	\$24,450	77%	100%	23%	\$18,827	\$24,450	\$5,624
1 G8467.1	594	18		\$57.47	\$34,163		\$0	\$34,163	77%	100%	23%	\$26,306	\$34,163	\$7,857
1 G8468.1	299	15		\$57.47	\$17,162		\$0	\$17,162	91%	100%	9%	\$15,617	\$17,162	\$1,545
1 G8469.1	295	15		\$57.47	\$16,955		\$0	\$16,955	91%	100%	9%	\$15,429	\$16,955	\$1,526
1 G8470.1	294	15		\$57.47	\$16,903		\$0	\$16,903	92%	100%	8%	\$15,551	\$16,903	\$1,352
1 G8471.1	300	15		\$57.47	\$17,265		\$0	\$17,265	91%	100%	9%	\$15,711	\$17,265	\$1,554
1 G8472.1	300	15		\$57.47	\$17,219		\$0	\$17,219	91%	100%	9%	\$15,669	\$17,219	\$1,550
1 NR54.1	351	18		\$57.47	\$20,185		\$0	\$20,185	100%	100%	0%	\$20,185	\$20,185	\$0
1 NR55.1	194	18		\$57.47	\$11,127		\$0	\$11,127	100%	100%	0%	\$11,127	\$11,127	\$0
1 NR56.1	177	18		\$57.47	\$10,156		\$0	\$10,156	100%	100%	0%	\$10,156	\$10,156	\$0
Subtotal:	6,898		2004		\$396,459	0%	\$0	\$396,459				\$329,193	\$396,459	\$67,267

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2007	2017	During Fee Period	2007	2017	During Fee Period
Harvest Bend Off Site Sewer														
1 1571a.1	125	24		\$25.65	\$3,212		\$1,686	\$4,898	98%	99%	1%	\$4,800	\$4,849	\$49
1 1571b.1	330	24		\$25.65	\$8,473		\$4,448	\$12,921	98%	99%	1%	\$12,663	\$12,792	\$129
1 1571c.1	133	24		\$25.65	\$3,402		\$1,786	\$5,188	98%	99%	1%	\$5,084	\$5,136	\$52
1 1571d.2	272	24		\$25.65	\$6,972		\$3,660	\$10,632	98%	99%	1%	\$10,419	\$10,526	\$106
1 1571e.1	446	24		\$25.65	\$11,441		\$6,007	\$17,448	98%	99%	1%	\$17,099	\$17,274	\$174
1 1571f.1	595	24		\$25.65	\$15,271		\$8,017	\$23,288	99%	99%	0%	\$23,055	\$23,055	\$0
1 1571g.1	595	24		\$25.65	\$15,271		\$8,017	\$23,288	99%	99%	0%	\$23,055	\$23,055	\$0
1 1571h.1	249	24		\$25.65	\$6,385		\$3,352	\$9,737	99%	100%	1%	\$9,640	\$9,737	\$97
1 1571i.1	480	24		\$25.65	\$12,318		\$6,467	\$18,785	99%	100%	1%	\$18,597	\$18,785	\$188
1 1571j.1	585	24		\$25.65	\$15,007		\$7,879	\$22,886	99%	100%	1%	\$22,657	\$22,886	\$229
1 1571k.1	500	24		\$25.65	\$12,826		\$6,734	\$19,560	99%	100%	1%	\$19,364	\$19,560	\$196
1 1571l.1	236	24		\$25.65	\$6,051		\$3,177	\$9,228	99%	100%	1%	\$9,136	\$9,228	\$92
1 1571m.1	396	24		\$25.65	\$10,148		\$5,328	\$15,476	99%	100%	1%	\$15,321	\$15,476	\$155
1 1571n.1	261	24		\$25.65	\$6,698		\$3,516	\$10,214	100%	100%	0%	\$10,214	\$10,214	\$0
1 1571o.1	374	24		\$25.65	\$9,584		\$5,032	\$14,616	100%	100%	0%	\$14,616	\$14,616	\$0
1 1571p.1	487	18		\$25.65	\$12,498		\$6,561	\$19,059	100%	100%	0%	\$19,059	\$19,059	\$0
1 1571q.1	487	18		\$25.65	\$12,498		\$6,561	\$19,059	100%	100%	0%	\$19,059	\$19,059	\$0
1 1571r.1	343	18		\$25.65	\$8,799		\$4,619	\$13,418	100%	100%	0%	\$13,418	\$13,418	\$0
1 1571s.1	295	18		\$25.65	\$7,573		\$3,976	\$11,549	100%	100%	0%	\$11,549	\$11,549	\$0
1 1571t.1	204	18		\$25.65	\$5,233		\$2,747	\$7,980	100%	100%	0%	\$7,980	\$7,980	\$0
1 G8128.1	432	24		\$25.65	\$11,079		\$5,816	\$16,895	99%	100%	1%	\$16,726	\$16,895	\$169
Subtotal:	7,825		2004		\$200,740	5%	\$105,386	\$306,125				\$303,511	\$305,149	\$1,636

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2007	2017	During Fee Period	2007	2017	During Fee Period
Walmart Off Site 24" Sewer														
1 1534a.1	269	24		\$34.30	\$9,220		\$4,841	\$14,061	46%	83%	37%	\$6,468	\$11,671	\$5,203
1 1534b.1	468	24		\$34.30	\$16,066		\$8,435	\$24,501	45%	83%	38%	\$11,025	\$20,336	\$9,310
1 1534c.1	274	24		\$34.30	\$9,402		\$4,936	\$14,338	45%	83%	38%	\$6,452	\$11,901	\$5,448
1 1534d.1	291	24		\$34.30	\$9,964		\$5,231	\$15,195	45%	83%	38%	\$6,838	\$12,612	\$5,774
1 1534e.1	230	24		\$34.30	\$7,889		\$4,142	\$12,031	45%	83%	38%	\$5,414	\$9,986	\$4,572
1 1534f.1	694	24		\$34.30	\$23,787		\$12,488	\$36,275	45%	83%	38%	\$16,324	\$30,108	\$13,785
1 1534g.1	265	24		\$34.30	\$9,076		\$4,765	\$13,841	46%	83%	37%	\$6,367	\$11,488	\$5,121
1 1534h.1	232	24		\$34.30	\$7,958		\$4,178	\$12,136	46%	83%	37%	\$5,583	\$10,073	\$4,490
1 1534i.1	566	24		\$34.30	\$19,400		\$10,185	\$29,585	46%	83%	37%	\$13,609	\$24,556	\$10,946
1 1534j.1	153	21		\$34.30	\$5,238		\$2,750	\$7,988	46%	83%	37%	\$3,674	\$6,630	\$2,956
Subtotal:	3,440		2003		\$118,000	5%	\$61,951	\$179,951				\$81,754	\$149,361	\$67,605
Creekview Estates Offsite Sanitary Sewer														
Franklin Branch - from Wilson Creek to Franklin Branch Trunk Sewer														
1 G9267.1	350	27		\$54.16	\$18,965		\$9,957	\$28,922	0%	69%	69%	\$0	\$19,956	\$19,956
1 G9266.1	209	6		\$54.16	\$11,297		\$5,931	\$17,228	0%	69%	69%	\$0	\$11,887	\$11,887
1 G9265.1	443	27		\$54.16	\$23,996		\$12,598	\$36,594	0%	69%	69%	\$0	\$25,250	\$25,250
1 G9264.1	359	27		\$54.16	\$19,458		\$10,215	\$29,673	0%	69%	69%	\$0	\$20,474	\$20,474
1 G9263.1	231	27		\$54.16	\$12,494		\$6,559	\$19,053	0%	69%	69%	\$0	\$13,147	\$13,147
1 G9262.1	484	27		\$54.16	\$26,189		\$13,749	\$39,938	0%	69%	69%	\$0	\$27,557	\$27,557
1 G9261.1	375	27		\$54.16	\$20,286		\$10,650	\$30,936	0%	69%	69%	\$0	\$21,346	\$21,346
1 G9260.1	383	27		\$54.16	\$20,714		\$10,875	\$31,589	0%	69%	69%	\$0	\$21,796	\$21,796
1 G9259.1	136	27		\$54.16	\$7,376		\$3,872	\$11,248	0%	69%	69%	\$0	\$7,761	\$7,761
1 G9266.2	209	16		\$54.16	\$11,297		\$5,931	\$17,228	0%	69%	69%	\$0	\$11,887	\$11,887
1 G9266.3	209	18		\$54.16	\$11,297		\$5,931	\$17,228	0%	69%	69%	\$0	\$11,887	\$11,887
Subtotal:	3,386		2005		\$183,369	5%	\$96,268	\$279,637				\$0	\$192,948	\$192,948

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2007	2017	During Fee Period	2007	2017	During Fee Period
Timber Creek Off Site Sewer														
Phase 1														
1 G1749.1	789	21		\$44.34	\$34,982		\$18,366	\$53,348	7%	22%	15%	\$3,734	\$11,737	\$8,002
1 G1751.1	725	21		\$44.34	\$32,153		\$16,880	\$49,033	7%	22%	15%	\$3,432	\$10,787	\$7,355
1 G1752.1	716	24		\$44.34	\$31,731		\$16,659	\$48,390	28%	54%	26%	\$13,549	\$26,131	\$12,581
1 G1753.1	204	21		\$44.34	\$9,059		\$4,756	\$13,815	15%	50%	35%	\$2,072	\$6,908	\$4,835
1 G1754.1	137	21		\$44.34	\$6,088		\$3,196	\$9,284	15%	50%	35%	\$1,393	\$4,642	\$3,249
1 G1755.1	225	21		\$44.34	\$9,977		\$5,238	\$15,215	16%	53%	37%	\$2,434	\$8,064	\$5,630
1 G1756.1	718	21		\$44.34	\$31,824		\$16,708	\$48,532	16%	52%	36%	\$7,765	\$25,237	\$17,472
1 G1757.1	569	18		\$44.34	\$25,226		\$13,244	\$38,470	19%	62%	43%	\$7,309	\$23,851	\$16,542
1 G1758.1	360	18		\$44.34	\$15,963		\$8,381	\$24,344	18%	62%	44%	\$4,382	\$15,093	\$10,711
1 G1759.1	408	18		\$44.34	\$18,069		\$9,486	\$27,555	18%	62%	44%	\$4,960	\$17,084	\$12,124
1 G1759a.1	361	18		\$44.34	\$15,985		\$8,392	\$24,377	29%	100%	71%	\$7,069	\$24,377	\$17,308
1 G1760.1	392	18		\$44.34	\$17,387		\$9,128	\$26,515	29%	100%	71%	\$7,689	\$26,515	\$18,826
1 G1760a.1	480	18		\$44.34	\$21,267		\$11,165	\$32,432	28%	100%	72%	\$9,081	\$32,432	\$23,351
1 G1760b.1	479	18		\$44.34	\$21,244		\$11,153	\$32,397	28%	100%	72%	\$9,071	\$32,397	\$23,326
1 G1762.1	471	18		\$44.34	\$20,881		\$10,963	\$31,844	28%	100%	72%	\$8,916	\$31,844	\$22,928
1 G1763.1	590	18		\$44.34	\$26,175		\$13,742	\$39,917	25%	100%	75%	\$9,979	\$39,917	\$29,938
1 G1765.1	614	15		\$44.34	\$27,213		\$14,287	\$41,500	49%	100%	51%	\$20,335	\$41,500	\$21,165
1 G1766.1	305	15		\$44.34	\$13,516		\$7,096	\$20,612	49%	100%	51%	\$10,100	\$20,612	\$10,512
1 G1767.1	468	15		\$44.34	\$20,761		\$10,900	\$31,661	49%	100%	51%	\$15,514	\$31,661	\$16,147
1 G9156.1	211	21		\$44.34	\$9,374		\$4,921	\$14,295	52%	100%	48%	\$7,433	\$14,295	\$6,862
Subtotal:	9,221		2004		\$408,876	5%	\$214,661	\$623,536				\$156,217	\$445,084	\$288,864
Robinson Ridge Off Site Sewer														
1 246d.1	4,562	24		\$30.63	\$139,733		\$73,360	\$213,093	36%	84%	48%	\$76,713	\$178,998	\$102,285
1 246c.1	2,559	24		\$30.63	\$78,373		\$41,146	\$119,519	43%	81%	38%	\$51,393	\$96,810	\$45,417
1 246b.1	1,523	24		\$30.63	\$46,655		\$24,494	\$71,149	45%	79%	34%	\$32,017	\$56,208	\$24,191
Subtotal:	8,645		2002		\$264,761	5%	\$139,000	\$403,761				\$160,123	\$332,016	\$171,893

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)			
									2007	2017	During Fee Period	2007	2017	During Fee Period	
NTMWD Prosper Interceptor Sewer															
1	10+12.58.1	404	42	\$19.06	\$7,704		\$4,045	\$11,749	10%	62%	52%	\$1,175	\$7,284	\$6,109	
1	103+94.25.1	478	24	\$19.06	\$9,105		\$4,780	\$13,885	7%	97%	90%	\$972	\$13,468	\$12,497	
1	108+94.14.1	500	24	\$19.06	\$9,526		\$5,001	\$14,527	4%	100%	96%	\$581	\$14,527	\$13,946	
1	115+08.33.1	614	24	\$19.06	\$11,704		\$6,145	\$17,849	4%	100%	96%	\$714	\$17,849	\$17,135	
1	117+79.39.1	271	24	\$19.06	\$5,166		\$2,712	\$7,878	4%	100%	96%	\$315	\$7,878	\$7,563	
1	12+79.44.1	267	42	\$19.06	\$5,086		\$2,670	\$7,756	8%	62%	54%	\$620	\$4,809	\$4,188	
1	125+52.46.1	773	24	\$19.06	\$14,732		\$7,734	\$22,466	4%	100%	96%	\$899	\$22,466	\$21,567	
1	132+45.08.1	693	24	\$19.06	\$13,198		\$6,929	\$20,127	4%	100%	96%	\$805	\$20,127	\$19,322	
1	134+42.57.1	198	24	\$19.06	\$3,764		\$1,976	\$5,740	4%	100%	96%	\$230	\$5,740	\$5,510	
1	135+76.91.1	134	24	\$19.06	\$2,559		\$1,343	\$3,902	4%	100%	96%	\$156	\$3,902	\$3,746	
1	143+11.84.1	735	24	\$19.06	\$14,004		\$7,352	\$21,356	6%	100%	94%	\$1,281	\$21,356	\$20,075	
1	148+17.14.1	505	24	\$19.06	\$9,629		\$5,055	\$14,684	1%	100%	99%	\$147	\$14,684	\$14,537	
1	152+98.01.1	481	24	\$19.06	\$9,164		\$4,811	\$13,975	0%	100%	100%	\$0	\$13,975	\$13,975	
1	156+30.32.1	332	24	\$19.06	\$6,332		\$3,324	\$9,656	0%	100%	100%	\$0	\$9,656	\$9,656	
1	16+96.36.1	417	42	\$19.06	\$7,944		\$4,171	\$12,115	8%	62%	54%	\$969	\$7,511	\$6,542	
1	162+56.72.1	626	24	\$19.06	\$11,937		\$6,267	\$18,204	0%	100%	100%	\$0	\$18,204	\$18,204	
1	164+71.98.1	215	24	\$19.06	\$4,103		\$2,154	\$6,257	0%	100%	100%	\$0	\$6,257	\$6,257	
1	166+11.50.1	139	24	\$19.06	\$2,656		\$1,394	\$4,050	0%	100%	100%	\$0	\$4,050	\$4,050	
1	2+67.29.1	247	42	\$19.06	\$4,707		\$2,471	\$7,178	10%	62%	52%	\$718	\$4,450	\$3,733	
1	23+89.6.1	693	42	\$19.06	\$13,210		\$6,935	\$20,145	19%	100%	81%	\$3,828	\$20,145	\$16,317	
1	31+79.03.1	788	24	\$19.06	\$15,024		\$7,888	\$22,912	16%	100%	84%	\$3,666	\$22,912	\$19,246	
1	37+67.24.1	589	24	\$19.06	\$11,228		\$5,895	\$17,123	16%	100%	84%	\$2,740	\$17,123	\$14,383	
1	40+19.28.1	252	24	\$19.06	\$4,802		\$2,521	\$7,323	16%	100%	84%	\$1,172	\$7,323	\$6,151	
1	43+71.32.1	352	24	\$19.06	\$6,708		\$3,522	\$10,230	16%	100%	84%	\$1,637	\$10,230	\$8,593	
1	50+21.58.1	650	24	\$19.06	\$12,392		\$6,506	\$18,898	16%	100%	84%	\$3,024	\$18,898	\$15,874	
1	56+38.93.1	617	24	\$19.06	\$11,765		\$6,177	\$17,942	13%	100%	87%	\$2,332	\$17,942	\$15,610	
1	6+08.26.1	341	42	\$19.06	\$6,498		\$3,411	\$9,909	10%	62%	52%	\$991	\$6,144	\$5,153	
1	61+59.27.1	520	24	\$19.06	\$9,915		\$5,205	\$15,120	13%	100%	87%	\$1,966	\$15,120	\$13,154	
1	69+34.55.1	775	24	\$19.06	\$14,774		\$7,756	\$22,530	13%	100%	87%	\$2,929	\$22,530	\$19,601	
1	72+77.76.1	343	24	\$19.06	\$6,540		\$3,434	\$9,974	13%	100%	87%	\$1,297	\$9,974	\$8,677	
1	76+45.63.1	368	24	\$19.06	\$7,011		\$3,681	\$10,692	8%	100%	92%	\$855	\$10,692	\$9,837	
1	82+31.6.1	586	24	\$19.06	\$11,167		\$5,863	\$17,030	8%	100%	92%	\$1,362	\$17,030	\$15,668	
1	85+29.92.1	298	24	\$19.06	\$5,684		\$2,984	\$8,668	8%	100%	92%	\$693	\$8,668	\$7,975	
1	89+79.69.1	450	24	\$19.06	\$8,571		\$4,500	\$13,071	8%	100%	92%	\$1,046	\$13,071	\$12,025	
1	94+31.29.1	452	24	\$19.06	\$8,606		\$4,518	\$13,124	7%	96%	89%	\$919	\$12,599	\$11,680	
1	97+49.64.1	318	24	\$19.06	\$6,066		\$3,185	\$9,251	7%	97%	90%	\$648	\$8,973	\$8,326	
1	99+16.42.1	167	24	\$19.06	\$3,179		\$1,669	\$4,848	7%	97%	90%	\$339	\$4,703	\$4,363	
Subtotal:		16,591				2007		\$316,159	5%	\$165,984	\$482,144		\$41,026	\$462,270	\$421,245

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2007	2017	During Fee Period	2007	2017	During Fee Period
Westerra Stonebridge Sewer														
1 159.1	13	24		\$18.00	\$225		\$0	\$225	75%	94%	19%	\$169	\$212	\$43
1 171.1	72	24		\$18.00	\$1,296		\$0	\$1,296	75%	94%	19%	\$972	\$1,218	\$246
1 G1106.1	50	15		\$4.80	\$239		\$0	\$239	75%	94%	19%	\$179	\$225	\$45
1 G1107.1	307	15		\$4.80	\$1,476		\$0	\$1,476	76%	94%	18%	\$1,122	\$1,387	\$266
1 G1108.1	345	15		\$4.80	\$1,654		\$0	\$1,654	76%	94%	18%	\$1,257	\$1,555	\$298
1 G1113.1	334	15		\$4.80	\$1,602		\$0	\$1,602	76%	94%	18%	\$1,218	\$1,506	\$288
1 G1119.1	131	15		\$4.80	\$630		\$0	\$630	76%	94%	18%	\$479	\$592	\$113
1 G1122.1	129	15		\$4.80	\$621		\$0	\$621	76%	94%	18%	\$472	\$584	\$112
1 G1140.1	339	15		\$4.80	\$1,628		\$0	\$1,628	76%	94%	18%	\$1,237	\$1,530	\$293
1 G1141.1	329	15		\$4.80	\$1,578		\$0	\$1,578	76%	94%	18%	\$1,199	\$1,483	\$284
1 G1142.1	144	15		\$4.80	\$689		\$0	\$689	75%	94%	19%	\$517	\$648	\$131
1 G8067.1	64	15		\$4.80	\$306		\$0	\$306	81%	100%	19%	\$248	\$306	\$58
1 G8068.1	77	15		\$4.80	\$369		\$0	\$369	81%	100%	19%	\$299	\$369	\$70
Subtotal:	2,333		2003		\$12,313	0%	\$0	\$12,313				\$9,368	\$11,615	\$2,247

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2007	2017	During Fee Period	2007	2017	During Fee Period
Westerra Stonebridge Trunk Line														
1 131.1	497	30		\$54.00	\$26,822		\$14,082	\$40,904	62%	92%	30%	\$25,360	\$37,632	\$12,271
1 132.1	235	30		\$54.00	\$12,690		\$6,662	\$19,352	62%	92%	30%	\$11,998	\$17,804	\$5,806
1 135.1	245	30		\$54.00	\$13,225		\$6,943	\$20,168	63%	92%	29%	\$12,706	\$18,555	\$5,849
1 138.1	495	30		\$54.00	\$26,703		\$14,019	\$40,722	66%	93%	27%	\$26,877	\$37,871	\$10,995
1 139.1	490	30		\$54.00	\$26,460		\$13,892	\$40,352	70%	95%	25%	\$28,246	\$38,334	\$10,088
1 140.1	280	30		\$54.00	\$15,098		\$7,926	\$23,024	63%	93%	30%	\$14,505	\$21,412	\$6,907
1 141.1	10	30		\$54.00	\$540		\$284	\$824	0%	0%	0%	\$0	\$0	\$0
1 142.1	210	30		\$54.00	\$11,356		\$5,962	\$17,318	64%	92%	28%	\$11,084	\$15,933	\$4,849
1 143.1	490	30		\$54.00	\$26,460		\$13,892	\$40,352	64%	92%	28%	\$25,825	\$37,124	\$11,299
1 144.1	293	30		\$54.00	\$15,795		\$8,292	\$24,087	76%	94%	18%	\$18,306	\$22,642	\$4,336
1 145.1	179	30		\$54.00	\$9,677		\$5,080	\$14,757	79%	96%	17%	\$11,658	\$14,167	\$2,509
1 145a.1	280	24		\$30.50	\$8,540		\$4,484	\$13,024	78%	100%	22%	\$10,159	\$13,024	\$2,865
1 145b.1	290	24		\$30.50	\$8,845		\$4,644	\$13,489	87%	100%	13%	\$11,735	\$13,489	\$1,754
1 145c.1	290	24		\$30.50	\$8,845		\$4,644	\$13,489	86%	100%	14%	\$11,601	\$13,489	\$1,888
1 145d.1	20	24		\$30.50	\$610		\$320	\$930	83%	100%	17%	\$772	\$930	\$158
1 145e.1	210	24		\$30.50	\$6,405		\$3,363	\$9,768	79%	100%	21%	\$7,717	\$9,768	\$2,051
1 145f.1	210	24		\$30.50	\$6,405		\$3,363	\$9,768	89%	100%	11%	\$8,694	\$9,768	\$1,074
1 145g.1	180	24		\$30.50	\$5,490		\$2,882	\$8,372	97%	100%	3%	\$8,121	\$8,372	\$251
1 145h.1	239	24		\$30.50	\$7,274		\$3,819	\$11,093	100%	100%	0%	\$11,093	\$11,093	\$0
1 148.1	229	30		\$54.00	\$12,382		\$6,501	\$18,883	64%	92%	28%	\$12,085	\$17,372	\$5,287
1 152.1	83	30		\$54.00	\$4,487		\$2,356	\$6,843	64%	91%	27%	\$4,380	\$6,227	\$1,848
1 153.1	157	30		\$54.00	\$8,483		\$4,454	\$12,937	66%	91%	25%	\$8,538	\$11,773	\$3,234
1 158.1	70	30		\$54.00	\$3,802		\$1,996	\$5,798	66%	92%	26%	\$3,827	\$5,334	\$1,507
1 160.1	37	30		\$54.00	\$1,998		\$1,049	\$3,047	64%	92%	28%	\$1,950	\$2,803	\$853
1 170.1	32	30		\$54.00	\$1,750		\$919	\$2,669	66%	92%	26%	\$1,762	\$2,455	\$694
1 172.1	349	30		\$54.00	\$18,862		\$9,903	\$28,765	67%	91%	24%	\$19,273	\$26,176	\$6,904
1 173.1	480	30		\$54.00	\$25,915		\$13,605	\$39,520	68%	90%	22%	\$26,874	\$35,568	\$8,694
1 176.1	260	30		\$54.00	\$14,013		\$7,357	\$21,370	67%	91%	24%	\$14,318	\$19,447	\$5,129
1 180.1	372	42		\$93.00	\$34,568		\$18,148	\$52,716	73%	91%	18%	\$38,483	\$47,972	\$9,489
1 182.1	490	30		\$54.00	\$26,460		\$13,892	\$40,352	69%	90%	21%	\$27,843	\$36,317	\$8,474
1 184.1	451	30		\$54.00	\$24,349		\$12,783	\$37,132	69%	90%	21%	\$25,621	\$33,419	\$7,798
1 185.1	500	30		\$54.00	\$27,000		\$14,175	\$41,175	68%	90%	22%	\$27,999	\$37,058	\$9,059
Subtotal:	8,652		2003		\$441,309	5%	\$231,691	\$673,000				\$469,410	\$623,328	\$153,920

TABLE NO. 16
Existing Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)	Total Capital Cost (\$)	Debt Service Interest Rate %	Debt Service Utilizing Simple	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)			
									2007	2017	During Fee Period	2007	2017	During Fee Period	
Franklin Branch Trunk Sewer															
From North Side of Parker Creek Estates North Along Franklin Branch to U.S. 380 and East to Bois D' Arc Road															
2	14.1	775	12		\$205.18	\$159,017		\$83,484	\$242,501	0%	76%	76%	\$0	\$184,301	\$184,301
2	13.1	140	18		\$205.18	\$28,726		\$15,081	\$43,807	0%	76%	76%	\$0	\$33,293	\$33,293
2	12.1	308	18		\$205.18	\$63,196		\$33,178	\$96,374	0%	76%	76%	\$0	\$73,244	\$73,244
2	11.1	192	18		\$205.18	\$39,395		\$20,682	\$60,077	0%	76%	76%	\$0	\$45,659	\$45,659
2	10.1	300	18		\$205.18	\$61,555		\$32,316	\$93,871	0%	76%	76%	\$0	\$71,342	\$71,342
2	9.1	229	18		\$205.18	\$46,987		\$24,668	\$71,655	0%	76%	76%	\$0	\$54,458	\$54,458
2	8.1	216	18		\$205.18	\$44,320		\$23,268	\$67,588	0%	75%	75%	\$0	\$50,691	\$50,691
2	7.1	60	27		\$205.18	\$12,311		\$6,463	\$18,774	0%	69%	69%	\$0	\$12,954	\$12,954
2	6.1	800	27		\$205.18	\$164,147		\$86,177	\$250,324	0%	69%	69%	\$0	\$172,724	\$172,724
2	5.1	381	27		\$205.18	\$78,175		\$41,042	\$119,217	0%	69%	69%	\$0	\$82,260	\$82,260
2	4.1	60	30		\$205.18	\$12,311		\$6,463	\$18,774	0%	69%	69%	\$0	\$12,954	\$12,954
2	3.2	38	30		\$205.18	\$7,797		\$4,093	\$11,890	0%	69%	69%	\$0	\$8,204	\$8,204
2	2.1	102	30		\$205.18	\$20,929		\$10,988	\$31,917	0%	69%	69%	\$0	\$22,023	\$22,023
Subtotal:		3,601		2005		\$738,865	5%	\$387,903	\$1,126,769				\$0	\$824,107	\$824,107
Existing Sewer Line CIP Total						\$11,687,256		\$5,058,034	\$16,719,360				\$11,143,898	\$15,362,238	\$4,218,340

Notes:

- 1 - City Participate in Cost Oversize
- 2 - City Initiated and Funded

TABLE NO. 17
Proposed Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.) *	Total Capital Cost (\$)	Debt Service Interest Rate %	20 Year Debt Service Utilizing Simple Interest	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)			
									2006	2016	During Fee Period	2006	2016	During Fee Period	
Future Line #1															
1	FH-0002.1 *	3,157	15		\$10.00	\$31,574		\$16,576	\$48,150	0%	55%	55%	\$0	\$26,483	\$26,483
1	FH-0001.1 *	2,023	15		\$10.00	\$20,234		\$10,623	\$30,857	0%	55%	55%	\$0	\$16,971	\$16,971
	Subtotal:	5,181		2013		\$51,808	5%	\$27,199	\$79,007				\$0	\$43,454	\$43,454
Future Line #2															
1	FH-0004.1 *	3,805	15		\$10.00	\$38,045		\$19,974	\$58,019	0%	53%	53%	\$0	\$30,750	\$30,750
1	FH-0003.1 *	3,946	15		\$10.00	\$39,463		\$20,718	\$60,181	0%	56%	56%	\$0	\$33,701	\$33,701
	Subtotal:	7,751		2013		\$77,508	5%	\$40,692	\$118,200				\$0	\$64,451	\$64,451
Future Line #4 - Stover Creek Interceptor															
1	FH-0008.1 *	3,281	27		\$70.00	\$229,698		\$120,591	\$350,289	0%	10%	10%	\$0	\$35,029	\$35,029
1	FH-0007.1 *	3,272	27		\$70.00	\$229,061		\$120,257	\$349,318	0%	23%	23%	\$0	\$80,343	\$80,343
1	FH-0006.1 *	6,325	30		\$90.00	\$569,241		\$298,852	\$868,093	0%	30%	30%	\$0	\$260,428	\$260,428
	Subtotal:	12,879		2011		\$1,028,000	5%	\$539,700	\$1,567,700				\$0	\$375,800	\$375,800
Future Line #5 - Stover Creek - Lateral South															
1	FH-0010.1 *	2,716	24		\$50.00	\$135,800		\$71,295	\$207,095	0%	82%	82%	\$0	\$169,818	\$169,818
	Subtotal:	2,716		2011		\$135,800	5%	\$71,295	\$207,095				\$0	\$169,818	\$169,818
Future Line #6 - Stover Creek - Lateral North															
1	FH-0009.1 *	3,514	24		\$50.00	\$175,700		\$92,243	\$267,943	0%	71%	71%	\$0	\$190,240	\$190,240
	Subtotal:	3,514		2011		\$175,700	5%	\$92,243	\$267,943				\$0	\$190,240	\$190,240
Future Line #8 - Franklin Branch Interceptor															
1	FH-0017.1 *	3,406	15		\$10.00	\$34,059		\$17,881	\$51,940	0%	79%	79%	\$0	\$41,033	\$41,033
1	FH-0016.1 *	4,954	18		\$20.00	\$99,080		\$52,017	\$151,097	0%	75%	75%	\$0	\$113,323	\$113,323
1	FH-0014.1 *	4,629	21		\$30.00	\$138,870		\$72,907	\$211,777	0%	71%	71%	\$0	\$150,362	\$150,362
1	FH-0012.1 *	3,161	21		\$30.00	\$94,839		\$49,790	\$144,629	0%	71%	71%	\$0	\$102,687	\$102,687
	Subtotal:	16,150		2015		\$366,848	5%	\$192,595	\$559,443				\$0	\$407,405	\$407,405
Future Line #9 - Franklin Branch Interceptor - Lateral South															
1	FH-0013.1 *	3,657	15		\$10.00	\$36,570		\$19,199	\$55,769	0%	68%	68%	\$0	\$37,923	\$37,923
	Subtotal:	3,657		2015		\$36,570	5%	\$19,199	\$55,769				\$0	\$37,923	\$37,923

TABLE NO. 17
Proposed Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.) *	Total Capital Cost (\$)	Debt Service Interest Rate %	20 Year Debt Service Utilizing Simple Interest	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)			
									2006	2016	During Fee Period	2006	2016	During Fee Period	
Future Line #10 - Franklin Branch Interceptor - Lateral North															
1	FH-0038.1 *	2,397	15		\$10.00	\$23,972		\$12,585	\$36,557	0%	72%	72%	\$0	\$26,321	\$26,321
1	FH-0015.1 *	2,796	18		\$20.00	\$55,926		\$29,361	\$85,287	0%	71%	71%	\$0	\$60,554	\$60,554
	Subtotal:	5,194	2015			\$79,898	5%	\$41,946	\$121,844				\$0	\$86,875	\$86,875
Future Line #12															
1	FH-0018.1 *	2,279	15		\$10.00	\$22,790		\$11,965	\$34,755	0%	76%	76%	\$0	\$26,414	\$26,414
	Subtotal:	2,279	2012			\$22,790	5%	\$11,965	\$34,755				\$0	\$26,414	\$26,414
Future Line #14 - Honey Creek Interceptor															
2	FH-0037.1 *	4,404	15		\$10.00	\$44,036		\$23,119	\$67,155	0%	75%	75%	\$0	\$50,366	\$50,366
2	FH-0022.1 *	4,018	27		\$70.00	\$281,253		\$147,658	\$428,911	0%	73%	73%	\$0	\$313,105	\$313,105
2	FH-0020.1 *	5,286	36		\$140.00	\$740,054		\$388,528	\$1,128,582	0%	11%	11%	\$0	\$124,144	\$124,144
	Subtotal:	13,708	2016			\$1,065,343	5%	\$559,305	\$1,624,648				\$0	\$487,615	\$487,615
Future Line #15 - Honey Creek Interceptor Lateral															
1	FH-0021.1 *	4,620	27		\$70.00	\$323,428		\$169,800	\$493,228	0%	66%	66%	\$0	\$325,530	\$325,530
	Subtotal:	4,620	2016			\$323,428	5%	\$169,800	\$493,228				\$0	\$325,530	\$325,530

TABLE NO. 17
Proposed Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)*	Total Capital Cost (\$)	Debt Service Interest Rate %	20 Year Debt Service Utilizing Simple Interest	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)			
									2006	2016	During Fee Period	2006	2016	During Fee Period	
Future Line #20															
1	FH-0030.1 *	4,729	18		\$20.00	\$94,570		\$49,649	\$144,219	0%	67%	67%	\$0	\$96,627	\$96,627
Subtotal:		4,729	2012			\$94,570	5%	\$49,649	\$144,219				\$0	\$96,627	\$96,627
Future Line #21 - Clemons Creek Interceptor															
1	FH-0091.1 *	2,627	27		\$70.00	\$183,904		\$96,550	\$280,454	0%	27%	27%	\$0	\$75,723	\$75,723
1	FH-0032.1 *	4,170	24		\$50.00	\$208,510		\$109,468	\$317,978	0%	13%	13%	\$0	\$41,337	\$41,337
1	FH-0031.1 *	3,455	27		\$70.00	\$241,822		\$126,957	\$368,779	0%	25%	25%	\$0	\$92,195	\$92,195
Subtotal:		10,252	2010			\$634,236	5%	\$332,975	\$967,211				\$0	\$209,255	\$209,255
Future Line #22 - Big Branch Creek Interceptor															
1	FH-0034.1 *	5,679	27		\$70.00	\$397,558		\$208,718	\$606,276	0%	9%	9%	\$0	\$54,565	\$54,565
1	FH-0033.1 *	4,410	21		\$30.00	\$132,297		\$69,456	\$201,753	0%	87%	87%	\$0	\$175,525	\$175,525
Subtotal:		10,089	2015			\$529,855	5%	\$278,174	\$808,029				\$0	\$230,090	\$230,090
Future Line #23															
1	FH-0036.1	3,312	18		\$20.00	\$66,230		\$34,771	\$101,001	0%	86%	86%	\$0	\$86,861	\$86,861
1	FH-0035.1	3,527	18		\$20.00	\$70,530		\$37,028	\$107,558	0%	88%	88%	\$0	\$94,651	\$94,651
Subtotal:		6,838	2009			\$136,760	5%	\$71,799	\$208,559				\$0	\$181,512	\$181,512
Future Line #24															
1	FH-0123.1	1,560	15		\$10.00	\$15,604		\$8,192	\$23,796	0%	82%	82%	\$0	\$19,513	\$19,513
1	FH-0092.1	2,258	24		\$50.00	\$112,890		\$59,267	\$172,157	0%	67%	67%	\$0	\$115,345	\$115,345
Subtotal:		3,818	2011			\$128,494	5%	\$67,459	\$195,953				\$0	\$134,858	\$134,858

TABLE NO. 17
Proposed Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)*	Total Capital Cost (\$)	Debt Service Interest Rate %	20 Year Debt Service Utilizing Simple Interest	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2006	2016	During Fee Period	2006	2016	During Fee Period
Wilson Creek Interceptor														
Third Parallel Line Along Wilson Creek														
2 996!.1	588	42		\$350.00	\$205,730		\$108,008	\$313,738	0%	69%	69%	\$0	\$216,479	\$216,479
2 987!.1	172	42		\$350.00	\$60,200		\$31,605	\$91,805	0%	69%	69%	\$0	\$63,345	\$63,345
2 968!.1	524	42		\$350.00	\$183,260		\$96,212	\$279,472	0%	69%	69%	\$0	\$192,836	\$192,836
2 963!.1	59	42		\$350.00	\$20,790		\$10,915	\$31,705	0%	67%	67%	\$0	\$21,242	\$21,242
2 956!.1	72	42		\$350.00	\$25,165		\$13,212	\$38,377	0%	67%	67%	\$0	\$25,713	\$25,713
2 953a!.1	145	36		\$300.00	\$43,530		\$22,853	\$66,383	0%	67%	67%	\$0	\$44,477	\$44,477
2 950a!.1	248	36		\$300.00	\$74,400		\$39,060	\$113,460	0%	67%	67%	\$0	\$76,018	\$76,018
2 948!.1	506	36		\$300.00	\$151,830		\$79,711	\$231,541	0%	67%	67%	\$0	\$155,132	\$155,132
2 947a!.1	43	36		\$300.00	\$12,810		\$6,725	\$19,535	0%	67%	67%	\$0	\$13,088	\$13,088
2 916a!.1	528	36		\$300.00	\$158,490		\$83,207	\$241,697	0%	64%	64%	\$0	\$154,686	\$154,686
2 915!.2	713	36		\$300.00	\$213,810		\$112,250	\$326,060	0%	64%	64%	\$0	\$208,678	\$208,678
2 882a!.1	671	36		\$300.00	\$201,330		\$105,698	\$307,028	0%	64%	64%	\$0	\$196,498	\$196,498
2 853a!.1	744	36		\$300.00	\$223,320		\$117,243	\$340,563	0%	64%	64%	\$0	\$217,960	\$217,960
2 825a!.1	631	36		\$300.00	\$189,150		\$99,304	\$288,454	0%	64%	64%	\$0	\$184,611	\$184,611
2 803a!.1	727	36		\$300.00	\$217,950		\$114,424	\$332,374	0%	64%	64%	\$0	\$212,719	\$212,719
2 783a!.1	688	36		\$300.00	\$206,460		\$108,392	\$314,852	0%	64%	64%	\$0	\$201,505	\$201,505
2 768a!.1	510	36		\$300.00	\$153,030		\$80,341	\$233,371	0%	63%	63%	\$0	\$147,024	\$147,024
2 724a!.1	537	36		\$300.00	\$161,070		\$84,562	\$245,632	0%	63%	63%	\$0	\$154,748	\$154,748
2 720a!.1	98	36		\$300.00	\$29,400		\$15,435	\$44,835	0%	63%	63%	\$0	\$28,246	\$28,246
2 711a!.1	113	36		\$300.00	\$33,840		\$17,766	\$51,606	0%	63%	63%	\$0	\$32,512	\$32,512
2 698a!.1	163	36		\$300.00	\$48,780		\$25,610	\$74,390	0%	64%	64%	\$0	\$47,610	\$47,610
2 687a!.1	445	36		\$300.00	\$133,500		\$70,088	\$203,588	0%	64%	64%	\$0	\$130,296	\$130,296
2 673a!.1	275	36		\$300.00	\$82,470		\$43,297	\$125,767	0%	64%	64%	\$0	\$80,491	\$80,491
2 635a!.1	463	36		\$300.00	\$138,810		\$72,875	\$211,685	0%	63%	63%	\$0	\$133,362	\$133,362
2 624a!.1	155	36		\$300.00	\$46,410		\$24,365	\$70,775	0%	63%	63%	\$0	\$44,588	\$44,588
2 567a!.1	657	36		\$300.00	\$197,040		\$103,446	\$300,486	0%	65%	65%	\$0	\$195,316	\$195,316
2 536a!.1	596	36		\$300.00	\$178,650		\$93,791	\$272,441	0%	65%	65%	\$0	\$177,087	\$177,087
2 507c!.2	12	36		\$300.00	\$3,690		\$1,937	\$5,627	0%	63%	63%	\$0	\$3,545	\$3,545
2 507b!.1	13	36		\$300.00	\$3,840		\$2,016	\$5,856	0%	63%	63%	\$0	\$3,689	\$3,689
2 507a!.1	402	36		\$300.00	\$120,570		\$63,299	\$183,869	0%	65%	65%	\$0	\$119,515	\$119,515
2 446a!.1	591	36		\$300.00	\$177,210		\$93,035	\$270,245	0%	63%	63%	\$0	\$170,254	\$170,254
2 424a!.1	344	36		\$300.00	\$103,320		\$54,243	\$157,563	0%	63%	63%	\$0	\$99,265	\$99,265
2 409a!.1	290	36		\$300.00	\$87,030		\$45,691	\$132,721	0%	63%	63%	\$0	\$83,614	\$83,614
2 390a!.1	270	36		\$300.00	\$80,970		\$42,509	\$123,479	0%	63%	63%	\$0	\$77,792	\$77,792
2 367a!.1	496	36		\$300.00	\$148,800		\$78,120	\$226,920	0%	63%	63%	\$0	\$142,960	\$142,960
2 363a!.1	500	36		\$300.00	\$150,000		\$78,750	\$228,750	0%	63%	63%	\$0	\$144,113	\$144,113
2 357a!.1	411	36		\$300.00	\$123,360		\$64,764	\$188,124	0%	62%	62%	\$0	\$116,637	\$116,637
2 354a!.1	454	36		\$300.00	\$136,290		\$71,552	\$207,842	0%	62%	62%	\$0	\$128,862	\$128,862
2 349a!.1	501	36		\$300.00	\$150,330		\$78,923	\$229,253	0%	63%	63%	\$0	\$144,429	\$144,429
2 348a!.1	499	36		\$300.00	\$149,670		\$78,577	\$228,247	0%	62%	62%	\$0	\$141,513	\$141,513

TABLE NO. 17
Proposed Impact Fee Sewer Lines

Pipe Number	Length (Ft.)	Diameter (Inches)	Date of Const.	Avg. Unit Cost (\$/Ft.)*	Total Capital Cost (\$)	Debt Service Interest Rate %	20 Year Debt Service Utilizing Simple Interest	Total 20 Year Project Cost (\$)	(% Utilized Capacity)			(\$ Utilized Capacity)		
									2006	2016	During Fee Period	2006	2016	During Fee Period
2 346a!.1	582	36		\$300.00	\$174,720		\$91,728	\$266,448	0%	59%	59%	\$0	\$157,204	\$157,204
2 340a!.1	506	36		\$300.00	\$151,650		\$79,616	\$231,266	0%	59%	59%	\$0	\$136,447	\$136,447
2 316a!.1	573	36		\$300.00	\$171,900		\$90,248	\$262,148	0%	59%	59%	\$0	\$154,667	\$154,667
2 315a!.1	655	36		\$300.00	\$196,410		\$103,115	\$299,525	0%	59%	59%	\$0	\$176,720	\$176,720
2 313b!.1	49	36		\$300.00	\$14,640		\$7,686	\$22,326	0%	59%	59%	\$0	\$13,172	\$13,172
2 313a!.1	69	36		\$300.00	\$20,790		\$10,915	\$31,705	0%	59%	59%	\$0	\$18,706	\$18,706
2 297a!.1	417	36		\$300.00	\$124,980		\$65,615	\$190,595	0%	59%	59%	\$0	\$112,451	\$112,451
2 296a!.1	147	36		\$300.00	\$43,980		\$23,090	\$67,070	0%	59%	59%	\$0	\$39,571	\$39,571
2 280a!.1	281	36		\$300.00	\$84,330		\$44,273	\$128,603	0%	59%	59%	\$0	\$75,876	\$75,876
2 268aa!.1	635	36		\$300.00	\$190,440		\$99,981	\$290,421	0%	59%	59%	\$0	\$171,348	\$171,348
2 267a!.1	432	36		\$300.00	\$129,450		\$67,961	\$197,411	0%	59%	59%	\$0	\$116,472	\$116,472
2 252a!.1	474	36		\$300.00	\$142,200		\$74,655	\$216,855	0%	57%	57%	\$0	\$123,607	\$123,607
2 246a!.1	194	36		\$300.00	\$58,230		\$30,571	\$88,801	0%	57%	57%	\$0	\$50,617	\$50,617
2 1324!.1	212	60		\$425.00	\$90,270		\$47,392	\$137,662	0%	73%	73%	\$0	\$100,493	\$100,493
2 1314!.1	273	48		\$375.00	\$102,300		\$53,708	\$156,008	0%	73%	73%	\$0	\$113,886	\$113,886
2 1308!.1	302	48		\$375.00	\$113,400		\$59,535	\$172,935	0%	73%	73%	\$0	\$126,243	\$126,243
2 1293!.1	359	48		\$375.00	\$134,588		\$70,658	\$205,246	0%	73%	73%	\$0	\$149,829	\$149,829
2 1270!.1	435	48		\$375.00	\$163,088		\$85,621	\$248,709	0%	73%	73%	\$0	\$181,557	\$181,557
2 1250!.1	376	48		\$375.00	\$141,150		\$74,104	\$215,254	0%	73%	73%	\$0	\$157,135	\$157,135
2 1242!.1	169	48		\$375.00	\$63,188		\$33,173	\$96,361	0%	73%	73%	\$0	\$70,343	\$70,343
2 1226!.2	235	48		\$375.00	\$88,275		\$46,344	\$134,619	0%	73%	73%	\$0	\$98,272	\$98,272
2 1188!.2	736	48		\$375.00	\$276,000		\$144,900	\$420,900	0%	72%	72%	\$0	\$303,048	\$303,048
2 1177!.1	219	48		\$375.00	\$82,200		\$43,155	\$125,355	0%	69%	69%	\$0	\$86,495	\$86,495
2 1167!.1	231	48		\$375.00	\$86,475		\$45,399	\$131,874	0%	69%	69%	\$0	\$90,993	\$90,993
2 1126!.1	745	48		\$375.00	\$279,188		\$146,573	\$425,761	0%	69%	69%	\$0	\$293,775	\$293,775
2 1078!.2	560	48		\$375.00	\$210,038		\$110,270	\$320,308	0%	69%	69%	\$0	\$221,012	\$221,012
2 1077!.1	293	48		\$375.00	\$109,800		\$57,645	\$167,445	0%	69%	69%	\$0	\$115,537	\$115,537
2 1042!.1	364	48		\$375.00	\$136,500		\$71,663	\$208,163	0%	69%	69%	\$0	\$143,632	\$143,632
2 1034!.1	263	48		\$375.00	\$98,550		\$51,739	\$150,289	0%	69%	69%	\$0	\$103,699	\$103,699
2 1020!.1	370	42		\$375.00	\$138,750		\$72,844	\$211,594	0%	69%	69%	\$0	\$146,000	\$146,000
2 1019!.1	548	42		\$375.00	\$205,425		\$107,848	\$313,273	0%	69%	69%	\$0	\$216,158	\$216,158
2 1018!.1	866	42		\$375.00	\$324,563		\$170,395	\$494,958	0%	69%	69%	\$0	\$341,521	\$341,521
2 1013!.1	95	42		\$375.00	\$35,513		\$18,644	\$54,157	0%	69%	69%	\$0	\$37,368	\$37,368
2 1009!.1	411	42		\$375.00	\$154,200		\$80,955	\$235,155	0%	69%	69%	\$0	\$162,257	\$162,257
2 1008!.1	145	42		\$375.00	\$54,338		\$28,527	\$82,865	0%	69%	69%	\$0	\$57,177	\$57,177
Subtotal:	29,070		2017		\$9,417,820	5%	\$4,944,357	\$14,362,177				\$0	\$9,395,743	\$9,395,743
Sewer Line CIP Total	168,858				\$14,305,428		\$7,510,352	\$21,815,780				\$0	\$12,463,610	\$12,463,610

Notes: 1 - City Participate in Cost Oversize

2 - City Initiated and Funded

* Average Unit costs are based in 2007 dollars unless otherwise indicated and includes 15% for engineering, surveying & QA testing

F. CALCULATION OF MAXIMUM IMPACT FEES - WATER & WASTEWATER

Chapter 395, of the Local Government Code allows the maximum impact fee to be charged if revenues from Future Ad Valorem Taxes, and water and sewer bills are included as a credit in the analysis. If not, the Act allows the maximum assessable fee to be set at 50% of the calculated maximum fee. The maximum impact fees for the water and wastewater systems are calculated separately by dividing the cost of the capital improvements or facility expansions necessitated and attributable to new development in the Service Area within the ten year period by the number of living units anticipated to be added to City within the ten year period. To simplify collection, we recommend the fee remain fixed throughout the 5-year period, unless changed by Council.

The **Water System** impact fee for a ¾” meter is calculated as follows:

$$\begin{aligned} \text{Maximum Impact Fee} &= \frac{\text{Eligible Existing Facility Cost} + \text{Eligible Proposed Facility Cost}}{\text{Number of New Living Unit Equivalent over the Next 10-Years}} \\ &= \frac{\$38,485,839 + \$112,979,287}{46,528} = \frac{\$151,465,126}{46,528} \end{aligned}$$

Calculated Water Maximum Impact Fee = \$3,255.35*

* Maximum Allowable Water Impact Fee is 50% of the Calculated Water Maximum Impact Fee

Maximum Assessable Water Impact Fee = \$3,255.35 x 50% = \$1,627.68

The **Wastewater System** impact fee is calculated as follows:

$$\begin{aligned} \text{Maximum Impact Fee} &= \frac{\text{Eligible Existing Facility Cost} + \text{Eligible Proposed Facility Cost}}{\text{Number of New Living Unit Equivalent over the Next 10-Years}} \\ &= \frac{\$4,218,340 + \$12,738,610}{41,254} = \frac{\$16,956,950}{41,254} \end{aligned}$$

Calculated Wastewater Maximum Impact Fee = \$411.04*

* Max. Allowable Wastewater Impact Fee is 50% of the Calculated Wastewater Maximum Impact Fee

Maximum Assessable Wastewater Impact Fee = \$411.04 x 50% = \$205.52

Table No. 18 summarizes the per service unit equivalent maximum assessable impact fee that can be charged based on the calculated 50% credit above.

TABLE NO. 18**Maximum Assessable Water and Sewer Fee Per Living Unit Equivalent****Calculated Water Impact Fee per Living Unit Equivalent: \$1,627.68****Calculated Sewer Impact Fee per Living Unit Equivalent: \$205.52**

Typical Land Use	Meter Type	Meter Size	Living Unit Equivalent	Maximum Impact Fee		Total
				Water	Sewer	
Single Family Residential	Simple	3/4"	1.0	\$ 1,627.68	\$ 205.52	\$ 1,833.20
Single Family Residential	Simple	1"	1.7	\$ 2,767.06	\$ 349.38	\$ 3,116.44
Single Family Residential	Simple	1-1/2"	3.3	\$ 5,371.34	\$ 678.22	\$ 6,049.56
Single Family Residential	Simple	2"	5.3	\$ 8,626.70	\$ 1,089.26	\$ 9,715.96
Comm./Retail	Compound	2"	5.3	\$ 8,626.70	\$ 1,089.26	\$ 9,715.96
Comm./Retail/Irrigation	Turbine	2"	6.7	\$ 10,905.46	\$ 1,376.98	\$ 12,282.44
Comm./Retail/Multi Family	Compound	3"	10.7	\$ 17,416.18	\$ 2,199.06	\$ 19,615.24
Comm./Retail/Irrigation/Multi Family	Turbine	3"	16.0	\$ 26,042.88	\$ 3,288.32	\$ 29,331.20
Comm./Retail/Multi Family	Compound	4"	16.7	\$ 27,182.26	\$ 3,432.18	\$ 30,614.44
Comm./Retail/Irrigation/Multi Family	Turbine	4"	28.0	\$ 45,575.04	\$ 5,754.56	\$ 51,329.60
Industrial	Compound	6"	33.3	\$ 54,201.74	\$ 6,843.82	\$ 61,045.56
Industrial/Irrigation	Turbine	6"	61.3	\$ 99,776.78	\$ 12,598.38	\$ 112,375.16
Industrial	Compound	8"	53.3	\$ 86,755.34	\$ 10,954.22	\$ 97,709.56
Industrial/Irrigation	Turbine	8"	106.7	\$ 173,673.46	\$ 21,928.98	\$ 195,602.44
Industrial	Compound	10"	153.3	\$ 249,523.34	\$ 31,506.22	\$ 281,029.56
Industrial/Irrigation	Turbine	10"	166.7	\$ 271,334.26	\$ 34,260.18	\$ 305,594.44
Industrial	Turbine	12"	220.0	\$ 358,089.60	\$ 45,214.40	\$ 403,304.00



2007 – 2008 WATER & WASTEWATER IMPACT FEE UPDATE

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
and
RJN GROUP

AUGUST 2008