Seter Vall, P.C. ATTORNEYS AT LAW

Kim J. Seter Barbara T. Vander Wall Jacqueline C. Murphy Staci A. Usagani Jeffrey E. Erb

January 28, 2010

El Paso County c/o Craig Dossey El Paso County Planning Department 2880 International Circle, Suite 110 Colorado Springs, CO 80910

# Re: Amendment to Consolidated Service Plan for the 4-Way Ranch Metropolitan Districts No. 1 & 2

Dear Mr. Dossey:

In connection with our telephone conversation regarding the administrative error concerning the total authorized general obligation debt on the submitted Amendment to Service Plan, enclosed are three copies of the revised Amendment.

If you need any additional information, or should you have any questions, please feel free to contact me.

Very truly yours, ETER & VANDER WALL, P.C.

Staci A. Usagani

/sau Enclosures

4WAYRANCH\SPlanAM SAU1705 0735,0003E

# 4-WAY RANCH METROPOLITAN DISTRICTS NO. 1 & 2 FIRST AMENDMENT TO CONSOLIDATED SERVICE PLAN El Paso County, Colorado

# Submitted December 29, 2009, as corrected

# I. <u>INTRODUCTION</u>

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The Consolidated Service Plan (the "Original Service Plan") for the 4-Way Ranch Metropolitan Districts No. 1 & 2 (the "Districts") was approved by the Board of Commissioners of El Paso County on September 8, 2005 by County Resolution 05-381 ("County Resolution").

This First Amendment to the Consolidated Service Plan is submitted to the County for the purpose of updating the Districts' financial and improvements plans and authorizing the issuance of additional indebtedness, in order that the Districts may finance, construct and install additional improvements within the Districts.

Except as noted herein, the Districts' financial and jurisdictional limitations incorporated in the original Service Plan and County Resolution have not been modified, including the Districts' existing debt service and operations mill levy caps.

## II. HISTORICAL BACKGROUND and EXECUTIVE SUMMARY

The Districts were organized in 2005 to serve the needs of a new predominantly residential community, with some commercial property and open space, known as "4-Way Ranch." The primary purpose of the Districts is to provide a central water system, roadway and other necessary public improvements and services for the use and benefit of the Districts' inhabitants and taxpayers, including sanitary sewer, drainage, roadway and park and recreation improvements.

The 4-Way Ranch Metropolitan Districts encompass the 4-Way Ranch development project, divided into two phases. The 4-Way Ranch project is generally located in north central El Paso County known as the Falcon area, between Eastonville Road and Highway 24 north of Stapleton Drive totaling 1,325 acres, planned for residential and commercial land uses. Current development activity in the project includes nine residential homes constructed in District No. 1. The 4-Way Ranch project has an anticipated build-out of approximately eight years for the first phase, and approximately twenty-one years to complete the second phase.

Since its formation, a central water system and related public improvements have been constructed and dedicated to District No. 1 for operation and maintenance. These water system improvements include wells, a water filtration plant building, piping, fire hydrants, and a 522,000 gallon potable water storage tank, constructed and installed within 4 Way Ranch Filing No. 1, necessary to provide water service to the Districts' customers.

Based on updated calculations, at build-out the Districts are projected to collectively have approximately \$151,044,000 in assessed valuation. Collectively, the Districts anticipate the issuance of debt up to \$74,000,000.00 in general obligation bonds and/or revenue bonds, to finance the necessary public improvements and District organization costs for the project, expected to take place in phased bond issuances. The estimated debt service mill levy is 35.000

mills over a 30-year period to pay the debt, with an additional operations mill levy not to exceed 10.000 mills.

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Development projections for the 4-Way Ranch project have been modified to provide for greater density of residential units and increased commercial square footage, as well as planning for the possibility of a central sewer system and related improvements, as may be necessary. The executive summary of an updated Market Study for the area dated September, 2009 prepared by King & Associates, is attached as **Exhibit A**. This Market Study provides an independent assessment and determination of development timing and absorption schedule involving land uses proposed for development and assists to demonstrate the projected demand and need for the Districts' services.

District No. 1 consists predominantly of residential property, with 42 lots already developed including 137 lots (minimum 2.5 acres), plus approximately 77 acres of mixed use commercial, including retail/restaurant, office/warehouse and medical/professional land uses. District No. 2 is anticipated to consist predominantly of residential property, with capacity for approximately 2,500 dwelling units, plus approximately 46 acres of mixed use commercial, also planned for retail/restaurant, office/warehouse and medical/professional land uses. Both Districts are planned to include open space with public park and recreation improvements.

# IV. FINANCIAL PLAN ANALYSIS

The updated Financial Plan for Districts 1 and 2 is attached to this Amendment as **Exhibit B** illustrates how the proposed services and facilities may be financed and operated by the Districts, based on the updated development projections. The updated Financial Plan is intended to supersede the financial plan of the Original Service Plan.

The public improvements planned for the 4-Way Ranch project have increased in the amount of proposed facilities and their costs, as more particularly described in Section V of this Amendment. The combined total cost of the public improvements projected for 4-Way Ranch Metropolitan Districts No. 1 & 2 is One Hundred Nineteen Million Fifty-seven Thousand Seven Hundred Forty-three Dollars (\$119,057,743), inclusive of contingencies, engineering and construction management, and exclusive of costs of issuance, organizational costs, inflation and similar costs.

The projected amounts of bonded indebtedness for both Districts have increased as follows:

The 4-Way Ranch Metropolitan District No. 1 initially projects the issuance of a single series of bonds in approximately the amount of Twenty Million Dollars (\$20,000,000). The 4-Way Ranch Metropolitan District No. 2 initially projects the issuance of Fifty-four Million Dollars (\$54,000,000) of bonds in three phases.

The Districts' maximum authorized general obligation indebtedness shall not exceed Seventy-four Million Dollars (\$74,000,000) without prior express authorization of the County, and any increase in authorized general obligation debt beyond this amount shall constitute a material modification of the Service Plan.

This Amendment shall not affect the Districts' Debt Service Mill Levy Cap of 50.00 mills nor the Districts' additional limited operational mill levy of 10.00 mills, as set forth in the Original Service Plan.

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The updated Description of Districts' Facilities and Costs, for which the Districts plan to provide for their financing, design, construction, acquisition and installation based on the updated development projections, is attached to this Amendment as **Exhibit C**, and includes the costs in current dollars of each improvement, together with an explanation of the methods, basis and/or assumptions used. An updated map showing the revised location of the Phase I and Phase II roadway facilities is included as **Exhibit D**.

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An "Updated Central Water and Wastewater System Facilities Plan" dated August, 2009, prepared by JDS-Hydro Consultants, Inc., describing the Districts' water rights, water supply, water quality and treatment, water storage and proposed system and anticipated central sewer system improvement requirements relevant to the increased development projections is attached hereto as **Exhibit E**; this updated plan is intended to supersede the water system facilities plan included in the Original Service Plan.

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An increase in the Districts' debt limit is deemed to be a material modification of the Districts' Original Service Plan, pursuant to Section V.B. of the Original Service Plan. This

Amendment to Service Plan for the 4-Way Ranch Metropolitan Districts No. 1 and 2 meets the requirements of the provisions for the modification of a service plan set forth in the Special District Act, § 32-1-207(2), C.R.S., the applicable requirements of the Colorado Constitution, and those of El Paso County, El Paso Land Development Code, Sec. 9.3.

It is further submitted that other than as provided in this Amendment, the limitations and other terms and requirements contained the Original Service Plan continue in force, which include:

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Respectfully submitted,

SETER & VANDER WALL, P.C.

Barbara J. Vander Wall

Barbara T. Vander Wall Counsel to 4-Way Ranch Metropolitan Districts No. 1 and 2

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Respectfully submitted,

SETER & VANDER WALL, P.C.

Barbara J. Vander Wheel

Barbara T. Vander Wall Counsel to 4-Way Ranch Metropolitan Districts No. 1 and 2

# **EXHIBIT A** Market Study Executive Summary



King & Associates, Inc. Strategic planning and economic analysis

# 4-WAY RANCH El Paso County, Colorado

# MARKET RESEARCH REPORT

COMPLETED FOR: 4-Way Ranch Metropolitan District #1 & #2

COMPLETED BY:

King & Associates, Inc. 9003 W. Coco Drive Littleton, Colorado 80128 303.333.3834

DECEMBER 2009

- King & Associates, Inc. believes that 4-Way Ranch may experience higher absorption rates depending on the degree that the following elements are implemented within the project that typically characterize successful master planned communities.
  - A wide-range of housing product types at multiple price points.
  - A selection of capable local and national homebuilders.
  - A comprehensive marketing program.
  - Extensive design features entry signage, landscaping, hardscaping, fencing, architectural treatments, etc. – that compare favorably with competitive Trade Area projects.

# Trade Area Commercial Demand Forecast

- Trade area commercial demand has been forecast based on recent absorption trends.
- However, due to weak market conditions, commercial demand forecasts have been adjusted to reflect more stabilized market and economic conditions.
- During the near-term (2009 2013), annual Trade Area demand is projected to total 25,000 – 50,000 square feet for office, 200,000 to 300,000 square feet for retail and 25,000 to 50,000 square feet for industrial space.
- Projected near-term commercial demand in the Trade Area will likely be lower than forecast during the next twelve to eighteen months as the local economy improves and commercial market trends stabilize.
- Over the entire forecast period (2009 2025), annual Trade Area demand is projected to total 50,000 – 100,000 square feet for office, 250,000 to 350,000 square feet for retail and 50,000 to 75,000 square feet for industrial space.

# 4-Way Ranch Commercial Absorption Forecast

- Nearly 750,000 square feet of commercial space is planned in 4-Way Ranch.
- Of total projected commercial development in 4-Way Ranch, approximately 560,000 square feet of retail space is planned along with 100,000 square feet of office / warehouse and 80,000 square feet of medical office space.
- Commercial absorption has been projected in 4-Way Ranch.
  - From 2009 through 2013, 7,900 square feet of retail space is projected to absorb in the project.
  - The majority of commercial absorption is projected to occur during three remaining time periods with absorption of approximately 260,000 square feet of retail, office / warehouse and medical office space from 2014 2020, 264,000 square feet of retail and office / warehouse space from 2021 2025 and 211,000 square feet of retail and medical office development from 2026 2030.

# 4-Way Ranch Project Assessment

- 4-Way Ranch is located in an area that has accounted for approximately half of all new home construction activity in El Paso County during the past few years.
- The Trade Area is expected to continue its dominant share of the overall regional housing market in future years.

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King & Associates, Inc. December 2009 4-Way Ranch Metropolitan Districts #1 & #2 Market Research Report

#### INTRODUCTION

King & Associates, Inc. has been retained by the 4-Way Ranch Metropolitan District #1 and #2 (the Districts) to provide an independent assessment and determination of development timing involving land uses proposed for development within the Districts. The Districts are located near the Town of Falcon in unincorporated El Paso County, Colorado at approximately Stapleton Drive and U. S. Highway 24. Overall, the Districts include 1,325 acres, with development anticipated to include primarily residential and commercial land uses. The purpose of this report is to assess the parameters of the project including proposed land uses, development intensity and sales potential along with providing a projection of development timing and schedule (absorption) in relation to anticipated conditions within the local and regional marketplace.

#### TRADE AREA

To analyze the demand for residential and commercial development planned within the 4-Way Ranch Metropolitan Districts a geographic trade area (Trade Area) has been identified. It is anticipated that the majority of customers who will purchase homes and utilize the commercial development planned within the Districts will live within the identified Trade Area. A larger Trade Area has been identified than would be typical for most master planned communities since 4-Way Ranch is located within an area that is a bedroom community to the metropolitan Colorado Springs area.

The Trade Area boundaries include Murphy Road on the north, the Curtis Road alignment on the east, Academy Boulevard (State Highway 83) on the west and State Highway 94 to the south. The following map outlines the trade area.

- 4-Way Ranch is a master planned community, which is anticipated to include a wide array of housing choices and amenities that will be attractive to homebuyers.
- The project is located adjacent to the Town of Falcon, a community with a rural character but is also near large-community amenities and service within Colorado Springs.
- The project includes a planned clubhouse facility, expansive in-project open space areas and trail network.
- The project is near major transportation routes providing access to employment, shopping and community facilities located in Colorado Springs.
- Initial development in the project has begun, with market awareness throughout the local building and home buying community.
- Due to location, project attributes and development program, 4-Way Ranch is well positioned to become a successful project within the Trade Area.

#### **PROJECT DESCRIPTION**

The 4-Way Ranch Metropolitan Districts #1 & #2 comprise approximately 1,325 acres located northwest of the intersection of Stapleton Drive and U. S. Highway 24 near the Town of Falcon, in unincorporated El Paso County, Colorado. The Districts entail a master planned community design concept that includes both residential and commercial land uses. In total, 3,065 single and multi-family residential units are planned in the Districts. Commercial development anticipated in the Districts includes 561,300 square feet of retail, slightly more than 100,000 square feet of office / warehouse space and nearly 80,000 square feet of medical office development. The following table summarizes development planned in 4-Way Ranch Metropolitan Districts #1 and #2.

It should be noted that a limited amount of residential development has occurred in the project. To date, nine single-family homes have been constructed in District #1 and two lots have sold to end-users.

Development Type /	Resid	ential		Commercial	
Location	Single family	Multi-family	Retail	Office/Whse.	Med. Office
District 1					
Residential					
Filing #1	40				
Filing #2	175				
Filing #3	175	*			
Commercial					
Parcel #1		175	7,900	35,000	
Parcel #2	S		17,000		
Parcel #3				18,000	
Parcel #4			155,100	·	
Parcel #5					53,600
Parcel #6			51,300		,
Total	390	175	231,300	53,000	53,600
District 2					
Residential					
Filings #1-#13	2,500				
Commercial	- N				
Parcel #1			145,000	50,000	
Parcel #2			185,000		26,000
Total	2,500	0	330,000	50,000	26,000
Overall total	2,890	175	561,300	103,000	79,600

# 4-WAY RANCH METROPOLITAN DISTRICTS #1 & #2 DEVELOPMENT PROGRAM

Source: 4-Way Ranch Metropolitan Districts #1 & #2.

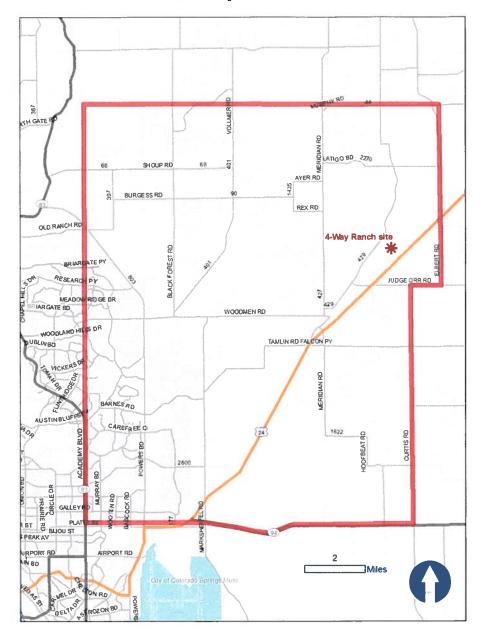
Note: Planned retail development includes retail stores, pads, restaurants and big box users.

King & Associates, Inc. December 2009

4-Way Ranch Metropolitan Districts #1 & #2 Market Research Report **EXHIBIT B** Financial Plan

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4-WAY RANCH - Trade Area Map



Source: King & Associates, Inc.

4-Way Ranch Metropolitan Districts #1 & #2 Market Research Report

# **EXECUTIVE SUMMARY**

#### Overview

- The 4-Way Ranch Metropolitan District #1 & #2 include 1,325 acres, planned for residential and commercial land uses located in El Paso County, Colorado.
- The Districts are located in a rapidly developing area near the Town of Falcon, Colorado, a bedroom community just outside of Colorado Springs.
- The land use plan for the project outlines the development of 3,065 residential housing units and nearly 750,000 square feet of commercial space.
- Development activity in the project has included 9 homes constructed in District #1, with 2 additional end-user lot sales on which home have not been constructed.

#### Demographics and Employment

- Population in El Paso County has increased at a rate of approximately 1.85% annually since 2000 and by a rate of 5.33% per year in the Trade Area.
- From 2009 through 2025, population in El Paso County is forecast to increase by rate of 1.84% annually, while stronger growth is forecast in the Trade Area with a projected average population growth rate of approximately 3.21% annually.
- The economy in Colorado Springs and surrounding El Paso County area has been negatively impacted by falling employment levels, slowing in the local housing market, fall-out from sub-prime mortgages and higher home foreclosure rates.
- Employment levels decreased in El Paso County with a loss of -2,100 jobs during 2008.
- Job losses have continued in El Paso County and employment levels have decreasing by -6,000 during the first half of 2009.
- Future employment growth in the Colorado Springs region is anticipated to increase slowly with a forecast .6% average annual growth rate.

# Residential Market Trends and Demand Forecast – Region

- During 2008, the total number of residential building permits issued in the region fell -36% compared with 2007 activity.
- Through mid-year 2009, regional building activity continues to fall with the number of permits issued through July 2009 totaling 787 units, down 48% from the 1,517 units permitted in the region during the same period in 2008.
- New home sales have also declined during the past few years in El Paso County with sales totaling approximately 2,100 units in 2008, compared with nearly 3,100 sales in 2007.
- Through mid-year 2009 there have been 581 new homes sold in El Paso County, down 48% from 1,102 sales during the same period in 2008.
- Near-term housing demand (2009 2013) is projected to average 3,000 to 3,500 units per year in El Paso County with overall demand (2009 2025) of 4,000 to 4,500 units annually.
- However, during the next twelve to eighteen months, new home demand is anticipated to be less than forecast as the local housing market and economy begin to recover.

# Residential Market Trends and Demand Forecast – Trade Area

- The Trade Area dominates the new housing market in the El Paso County region, capturing approximately 50% of new home sales during the past three years.
- In 2008, there were 870 new homes sold in 34 active residential projects in the Trade Area.
- Through mid-year 2009, new home sales have totaled 248 units in 25 active projects.
- Trade Area housing demand is projected to total 1,500 to 2,000 units per year during the 2009 – 2013 time period.
- Over the entire forecast period extending through 2025, housing demand in the Trade Area is projected to range from 2,500 to 3,000 units annually.
- As with the larger El Paso County region, Trade Area housing demand is anticipated to be less than forecast, reflecting slow recovery within the local housing market.

# Competitive Projects – Trade Area

- Weak market conditions exist for larger-lot, custom and semi-custom homes in the Trade Area and throughout El Paso County.
- Paintbrush Hills (Falcon Hills) and portions of Meridian Ranch are currently the two most competitive projects, which would be comparable to the larger lot development areas in 4-Way Ranch.
- Residential development areas with suburban densities are also planned in 4-Way Ranch.
- Depending on development timing of these homes, competitive projects would primarily include Meridian Ranch and Falcon Highlands (Gables).
- In addition to currently active projects in the Trade Area, there are also several planned projects with suburban densities that are anticipated for development in the immediate Falcon area.

# 4-Way Ranch Residential Absorption Forecast

- With a review of market factors and competitive projects, King & Associates, Inc. has completed an absorption forecast for residential development in 4-Way Ranch.
- The residential absorption forecast extends from 2009 through 2030 and includes single-family and multi-family units.
- Over the entire forecast period, King & Associates, Inc. projects residential absorption to average nearly 140 units per year.
- During the near-term (2009 2013), increasing annual absorption averaging approximately 47 units per year is forecast, representing anticipated improvement in the local housing market.
- With average projected absorption of 140 units annually, 4-Way Ranch will account for approximately 6% of projected trade area housing demand over the entire forecast period.
- King & Associates, Inc. believes this to be reasonable since the average capture rate per project in the trade has equaled approximately 5% since 2006.

4-Way Ranch Metropolitan District No's 1 and 2 Forecasted Statement of Sources and Uses of Cash

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For the Years Ending December 31, 2009 through 2045

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# 4-Way Ranch Metropolitan District No's 1 and 2

# Summary of Significant Assumptions and Accounting Policies December 31, 2009 through 2045

## Note 6: Operating and Maintenance Expenses

District No 1is forecasted to incur operating costs in the amount of \$50,000 per year. Operating expenses are forecasted to inflate at 2% per annum. It is expected that the developer will advance funds to the Districts until such time as the 10.000 mill levy forecasted to be imposed by District No's 1 and 2 are sufficient to cover the operating expenses. It is forecasted that the developer will be repaid the advances with interest at 7% per annum.

## Note 7: Water and Sewer Operations

District No 1 is forecasted to operate water and sewer treatment and distribution systems and to serve the residents and the commercial property in District No's 1 and 2. The estimated costs per year are those described in the Engineer's report. Costs at build-out are forecasted to inflate at 5.0% per annum. The District intends to impose a monthly charge for potable and irrigation water at a forecasted average rate of \$47.00 per month and a month sewer charge of \$22.00 per month.

# Note 8: Park and Recreation Maintenance

District No 1 is forecasted to provide park and recreation maintenance to the residents and commercial property in District No's 1 and 2 as indicated in Exhibit I. Park and recreation maintenance costs are forecasted to inflate at 2.5% per annum. The costs are expected to be paid from the 10.000 mill levy in the General Fund's of District No's 1 and 2.

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Board of Directors 4-Way Ranch Metropolitan District No's 1 and 2 El Paso County, Colorado

We have compiled the accompanying forecasted statements of sources and uses of cash of the 4-Way Ranch Metropolitan District No's 1 and 2 (Exhibits I), the related projected debt service schedules (Exhibits II) and the analysis of absorption, development fees and assessed values (Exhibits III) for the years ending December 31, 2009 through 2045, in accordance with standards established by the American Institute of Certified Public Accountants.

A compilation is limited to presenting in the form of a forecast information that is the representation of management and does not include evaluation of the support for the assumptions underlying the forecast. We have not examined the forecast and, accordingly, do not express an opinion or any other form of assurance on the accompanying statements or assumptions. Furthermore, there will usually be differences between the forecasted and actual results, because events and circumstances frequently do not occur as expected, and those differences may be material. We have no responsibility to update this report for events and circumstances occurring after the date of this report.

# **PRELIMINARY DRAFT....SUBJECT TO CHANGE**

December 29, 2009

## 4-Way Ranch Metropolitan District No's 1 and 2

Summary of Significant Assumptions and Accounting Policies December 31, 2009 through 2045

The foregoing forecast presents, to the best of the District's knowledge and belief, the expected cash receipts and disbursements for the forecast period. Accordingly, the forecast reflects its judgment as of December 29, 2009. The assumptions disclosed herein are those that management believes are significant to the forecast. There will usually be differences between the forecasted and actual results, because events and circumstances frequently do not occur as expected, and those differences may be material.

The purpose of this forecast is to show the amount of funds available for the future construction of infrastructure from the issuance of general obligation bonds by District No's 1 and 2, the available revenues for the repayment of the debt from a cap of 50.000 mills, the revenues and related costs associated with the proposed water / sewer distribution system in District No 1 and the available funds for operating costs by District No's 1 and 2 from the imposition of a 10.000 mill operating levy.

## Note 1: Ad Valorem Taxes

The primary source of revenue for the District No's 1 and 2 will be the collection of ad valorem taxes. Residential property in District No's 1 and 2 is forecasted to be assessed at 7.96% of market values. Market values for 2,890 single family attached units are forecasted to range from \$350,000 to \$550,000 as of 2009. Finished lots are forecasted at 10% of completed market values. Market values for 175 multi-family units are forecasted at \$250,000 per unit. Commercial property in District No's 1 and 2 is forecasted to be assessed at 29% of market values. Market values for 743,900 square feet of commercial property is estimated to range from \$106 to \$210 per finished square foot. Market values for residential and commercial property are forecasted to inflate at 1% per year. All property is assumed to inflate at 2% biennially thereafter. Exhibits III detail the forecasted absorption, market values and related assessed values for District No's 1 and 2.

Property is assumed to be assessed annually as of January 1st. Property included in this forecast is assumed to be assessed on the January 1<sup>st</sup> subsequent to completion. The forecast recognizes the related property taxes as revenue in the subsequent year.

The County Treasurer currently charges a 1.5% fee for the collection of property taxes. These charges are reflected in the accompanying forecast as a reduction to the property tax revenue.

The mill levy imposed by the District No's 1 and 2 are proposed to equal 10.000 mills for the General Fund and 35.000 mills for the Debt Service Fund. The mill levies are subject to adjustment for changes in the ratio of assessed values to market values, provided that the total levy for each District is subject to a cap of 50.000 mills. It is forecasted that the General Fund mill levy will decrease for both District No's 1 and 2 as indicated in Exhibits I.

The forecast assumes that Specific Ownership Taxes collected on motor vehicle registrations will be 7% of property taxes collected. Specific Ownership Taxes are forecasted to be pledged to the repayment of debt.

#### 4-Way Ranch Metropolitan District No's 1 and 2

Summary of Significant Assumptions and Accounting Policies December 31, 2009 through 2045

# Note 2: Interest Income

Interest income is assumed to be earned at 2.0% per annum. Interest income is based on the year's beginning cash balance and an estimate of the timing of the receipt of revenues and the outflow of disbursements during the course of the year.

## Note 3: Tap Fees

It is forecasted that District No's 1 and 2 will tap fees of \$16,000 for each single family detached residential home and each single family equivalent of commercial property and a fee of \$10,000 on each multi-family residential home. It is forecasted that the commercial property will equate to 293 single family equivalents. Exhibits III detail the collection of the above fees by year. The \$16,000 fee is comprised of a water system development fee of \$10,000, a sewer system development fee of \$5,000 and a water resource development fee of \$1,000. It is anticipated that the \$1,000 water system development fees will be paid to the developer as a one time water lease payment. The balance of the fees are forecasted to be pledged for the payment of principal and interest on the bonds described in Note 4.

### Note 4: Bond Assumptions

District No. 1 forecasts the issuance of general obligation bonds totaling \$20,000,000 on June 1, 2012. The bonds are forecasted to have a maturity of 30 years from the date of issuance and are forecasted to carry a coupon rate of 7.00%. The net proceeds of the bonds after issuance costs of \$800,000, a reserve requirement of \$2,000,000 and capitalized interest in the amount of \$1,400,000 are forecasted to be available for capital improvements and the repayment of developer advances.

District No. 2 forecasts the issuance of general obligation bonds totaling \$54,000,000 in three series in 2011, 2015 and 2018. The bonds are forecasted to have a maturities of up to 30 years from the date of issuance and are forecasted to carry a coupon rate of 7.00%. The net proceeds of the bonds after issuance costs, reserve funds and capitalized interest as indicated in Exhibit I for District No. 2, are forecasted to be available for capital improvements and the repayment of developer advances.

The bonds are anticipated to be secured by a limited mill levy not to exceed 50.000 mills and the reserve funds described above. A portion of the tap fees described in Note 3 are pledged for debt service.

#### Note 5: District Improvements

Construction costs for district improvements for District No 1 are forecasted to total \$31,541,920 and for District No 2 the improvements are forecasted to total \$87,515,823. A portion of the improvement costs totaling \$12,941,920 for District No 1 and \$37,855,423 for District No 2 are not forecasted to be funded from the bond issues described in Note 4. It is projected that these improvements will be contributed to the Districts.

# 4-Way Ranch Metropolitan District No 1

					Fore	casted Sources	volitan District N s and Uses of Ca ber 31, 2009 thr	sh				Exhibit I
	Total	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(	Debt Serv	rice Fund					
Beginning cash available	<u>∔ ≈</u> ‡	- \$	77,288 \$	275,255	\$ 641,458	\$ 4,124,514	\$ 3,809,350	\$ 5,075,615	\$ 3,760,858	\$ 4,434,802	\$ 3,816,755	3,518,485
Revenues												
Property taxes	30,748,242	41,895	43,117	45,511	58,041	100,144	160,160	231,817	426,942	515,965	959,112	1,018,551
Specific ownership taxes	2,398,784	3,771	3,881	4,096	5,224	9,013	14,414	20,864	38,425	46,437	86,320	83,521
Tap Fees	9,903,634	32,000	160,000	330,636	720,000	960,000	2,566.000	800,000	2,734,997	800,000	640,000	160,000
Transfer from Capital Project Fund	3,400,000				3,400,000							
Interest income	1,702,630	4,250	3,616	9,308	47,662	79,182	89,593	88,039	82,921	82,290	73,184	67,545
	48,153,290	81,916	210,614	389,551	4,230,927	1,148,339	2,830,167	1,140,720	3,283,285	1,444,692	1,758,616	1,329,617
Expenditures												
Debt service - Series 2012	46,503,925				700,000	1,400,000	1,400,000	2,400,000	2,430,000	2,003,000	2,000,500	1,544,500
Water lease payment	752,795	2,000	10.000	20,665	45,000	60,000	159,500	50,000	170,937	50,000	40,000	10,000
Paying agent / trustee fees	64,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
County treasurer fees	461,219	628	647	683	871	1,502	2,402	3,477	6,404	7,739	14,387	15,278
	47,781,939	4,628	12,647	23,348	747,871	1,463,502	1,563,902	2,455,477	2,609,341	2,062,739	2,056,887	1,571,778
Ending cash available	\$ 371,351 \$	77,288 \$	275,255 \$	641,458	\$ 4,124,514	\$ 3,809,350	\$ 5,075,615	3,760,858	\$ 4,434,802	3,816,755	\$ 3,518,485 \$	3,276,324
Reserve Fund included above		•			2,000,000	2,000,000	2,000,000	2.000,000	2,000,000	2,000,000	2,000,000	2,000,000
Capitalized Interest included above			2.1	•	700,000			•				8
Surplus Fund included above		77,288	275,255	641,458	1,424,514	1,809,350	3,075,615	1,760,858	2,434,802	1,816,755	1,518,485	1,276,324
Mill Levy		35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000
Totel Mill Levy		45.000	45.000	45.000	45.000	45.000	45.000	45.000	45.000	45.000	45.000	41.000

See Summary of Significant Assumptions and Accounting Policies

Exhibit I

				[	Forec	asted Sources	olitan District No. and Uses of Cash er 31, 2009 throu					Exhibit (
	Tetal	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					Г	General	Fund					
n di su su di su su						• •						
Beginning cash available	\$ 1	\$		•	\$ 0 \$	0 1	\$ 0 \$	0 \$	(D)	(0)	{0} \$	177,783
Revenues												
Property taxes	3,644,670	11,970	12,319	13,003	16,583	28,613	45,760	66,233	121,983	147,418	274,032	174,609
Water / sewer service fees	59,495,870	5,796	14,076	31,186	109,846	200,926	416,517	540,717	785,753	930,653	1,087,973	1,220,453
Transfer from District #2	6,474,705	100.004	103 301			5,713	19,925	39,990	71,055	104,709	146,293	113,593
Developer advances	869,082	133,084	137,721	195,227	192,032	194,209	16,809					
	70,484,327	150,850	164,116	239,416	318,461	429,461	499,011	646,940	978,791	1,182,780	1,508,298	1,508,655
Expenditures												
Water / sewer operations	41,049,807	78,670	90,430	159,314	231,403	325,889	383,514	439,675	497,785	561.056	620,708	679.667
Park and recreation maintenance	8,552,576	22,000	22,501	27,887	33,749	49,022	59,607	70,791	83,255	96,505	250,000	256,250
Administrative costs	2,305,579	50,000	51,000	52,020	53,060	54,122	55,204	56,308	57,434	58,583	59,755	60,950
County treasurer fees	54,667	180	185	195	249	429	686	993	1,830	2,211	4,110	2,619
Repay developer advances	1,278,027							79,173	338,487	464,425	395,942	
	53,240,656	150,850	164,116	239,416	318,461	429,462	499,011	646,940	978,791	1,182,780	1,330,515	999,486
Ending cash available	\$ 17,243,671 \$	. \$	. 1	0	\$ 0 \$	0 1	\$ 0 \$	(D) \$	(0) (			686,953
Mill Levy		10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	
11111 2 69 8	-	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	6.000
						Capital Proj	ect Fund					
Beginning cash available	\$ . \$		. 1	5	\$.\$	4,633,277		. :	. 1	1	- \$	
	·				· ·	4,000,277						
Revenues												
Bond proceeds	20,000,000				20,000,000							
Developer advance	9,966,723	3,975,000	1,500,000	4,491,723								
Developer contribution	12,941,920					2,036,492	3,282,716	3,733,356	346,000	2,868,356	455,000	120,000
	42,908,643	3,975,000	1,500,000	4,491,723	20,000,000	2,036,492	3,282,716	3,733,356	346,000	2,868,356	455,000	120,000
Expenditures												
Issuance costs	800,000				800,000							
Transfer to Debt Service (Reserve)	2,000,000				2,000,000							
Transfer to Debt Service (Cap Int)	1,400,000				1,400,000							
Repay developer advances	9,966,723				9,966,723							
Capital - Water	11,134,016	2,100,000				4,297,304		2,368,356		2,368,356		
Capital - Sewer	5,372,904			3,191,723		322,465	1,858,716					
Capital - Streets	15,035,000	1,875,000	1,500,000	1,300,000	4,000,000	2,050,000	1,424,000	1,365,000	346,000	500,000	455,000	120,000
	42,908,643	3,975,000	1,500,000	4,491,723	15,366,723	6,669,769	3,282,716	3,733,356	346,000	2,868,356	455,000	120,000
Ending cash available	<b>\$</b> = = \$	- \$	4		\$ 4,633,277 \$	- 1	- \$		- \$	- +	. \$	

Exhibit l

See Summary of Significant Assumptions and Accounting Policies

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					Fore	casted Sources	olitan District A and Uses of Ca ber 31, 2009 the	sh				
	Total	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
at 1044 1				C	Ca	lculation of Ass	essed Valuation					
Market values - residential homes (000's) Beginning Increases (see Exhibit III) Biennial reassessment (1% per annum)	230,112 61,659	1,100	1,100 1,650 22	2,772 1,100	3,872 4,974 77	8.924 8,365	17,289 21,353 346	38,987 28,356	67,344 69,419 1,347	138,110 23,088	161,198 23,319 3,224	187,741 23,552
Ending market values	291,771	1,100	2,772	3,872	8,924	17,289	38,987	67,344	138,110	161,198	187,741	211,293
Aesidential assessment ratio		7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%
Assessed value - residential (000's)		88	221	308	710	1,376	3,103	5,361	10,994	12,831	14,944	16,819
Market values - lots & commercial Beginning Increases - commercial (see Esbibit III) Adjust to actual for 2009 Increase (decrease) (inished lots Biennial reassessiment (1% per annum)	50,695 0 693 11,715	1,736 2,090	3,826 (174) (165)	3,487 (174) 108	3,421 (174) 22	3,269 1,402 (174) 624	5,121 (174) 103 28	5,078 (174) (550)	4,354 (174) (55) 29	4,154 (174) 2,607	6,588 39,126 (174) (2,607) 29	42,962 (174) (435)
Ending market values	63,103	3,826	3,487	3,421	3,269	5,121	5,078	4,354	4,154	6,588	42,962	42,354
Commercial assessment ratio	····	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%
Assessed value _ commercial (000's)		1,109	1,011	992	948	1,485	1,473	1,263	1,205	1,910	12,459	12,283
Oil and Gas Assessed value (000's)												
Total assessed valuation (000's)		1,197	1,232	1,300	1,658	2,861	4,576	6,623	12,198	14,742	27,403	29,101
Outstanding debt		20,000,000	20,000,000	20,000,000	19,000,000	17,900,000	17,150,000	16,350,000	15,950,000	15,660,000	15,350,000	15,020,000
Outstanding debt to AV ratio		-	1623.50%	1538.10%	1145.74%	625.60%	374.78%	246.85%	130.76%	106.23%	56.02%	51.61%

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Exhibit I

					For	ecasted Source	politan District   s and Uses of C ber 31, 2009 th	sh				Exhibit I
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
					Į	Debt Ser	vice Fund					
Beginning cash available	\$ 3,276,324	\$ 3,081,543	\$ 2,892,840	\$ 2,590,825	\$ 2,416,361	\$ 2,372,632	\$ 2,329,644	\$ 2,310,590	\$ 2,291,609	\$ 2,301,814	\$ 2,311,870	\$ 2,346,727
Revenues												
Property laxes	1,078,341	1,087,313	1,109,059	1,116,093	1,241,471	1,241,471	1,266,159	1,266,159	1,291,342	1,291,342	1,317,028	1,317,028
Specific ownership taxes Tap Fees	88,424	89,160	90,943	84,823	94,352	94,352	96,228	96,228	98,142	98,142	100,094	100,094
Transfer from Capital Project Fund												
Interest income	63,129	59,334	55,812	49,762	47,620	46,761	46,151	45,774	45,691	45,892	46,340	47,036
	1,229,894	1,235,807	1,255,814	1,250,678	1,383,443	1,382,584	1,408,538	1,408,161	1,435,175	1,435,376	1,463,462	1,464,158
Expenditures Debt service - Series 2012 Water lease payment	1,406,500	1,406,200	1,404,500 134,693	1,406,400	1,406,550	1,404,950	1,406,600	1,406,150	1,403,600	1,403,950	1,406,850	1,406,950
Paying agent / trustee feas	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
County treasurer fees	16,175	16,310	16,636	16,741	18,622	18,622	18,992	18,992	19,370	19,370	19,755	19,755
	1,424,675	1,424,510	1,557,829	1,425,141	1,427,172	1,425,572	1,427,592	1.427,142	1,424,970	1,425,320	1,428,605	1,428,705
Ending cash available	\$ 3,081,543	\$ 2,892,840	\$ 2,590,825	\$ 2,416,361	\$ 2,372,632	\$ 2,329,644	\$ 2,310,590	\$ 2,291,609	\$ 2,301,814	\$ 2,311,870	\$ 2,346,727	\$ 2,382.180
Reserve Fund included above	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Capitalized Interest included above			6			•		(a).	32			92
Surplus Fund included above	1,081,543	892,840	590,825	416,361	372,632	329,644	310,590	291,609	391,814	311,870	346,727	382,180
Mill Levy	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000
Totał Miß Levy	41.000	41.000	41.000	38.000	38.000	38.000	38.000	38.000	38.000	38.000	38.000	38.000

Exhibit I

					Fore	casted Source	politan District I s and Uses of C Iber 31, 2009 th	ash				Exhibit I
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
					C	Genera	l Fund					
Beginning cash available	\$ 686,953	\$ 1,292,574 \$	1,981,274 \$	2,867,040	\$ 3,668,749	\$ 4,541,593	\$ 5,494,421	\$ 6,506,228	\$ 7,567,231	\$ 8,737,575	\$ 9,950,298	\$ 11,231,741
Revenues Property taxes Water / service fees Transfer from District #2 Developer advances	184,858 1,344,653 145,622	1,468,853	190,124 1,704,579 209,761	95,685 1,882,839 120,316	106,412 2,007,039 139,880	106,412 2,131,239 178,311	108,528 2,255,439 197,677	108,528 2,379,639 213,739	110,686 2,562,335 234,134	110,686 2,686,535 252,326	112,888 2,810,735 300,447	112,888 2,810,735 317,161
	1,675,133	1,831,134	2,104,464	2,098,820	2,253,331	2,415,962	2,561,644	2,701,906	2,907.155	3,049,547	3,224,070	3,240,784
Expenditures Water / server operations Park and recreation maintenance Administrative costs County treasurer fees Repay developer advances	741,914 262,656 62,169 2,773	269,223 83,412 2,795	875,212 275,953 64,680 2,852	946,850 282,852 65,974 1,435	1.021.675 289,923 67,293 1,596	1,095,727 297,171 68,639 1,596	1,173,596 304,601 70,012 1,628	1,255,648 312,216 71,412 1,628	1,342,289 320,021 72,841 1,660	1,432,845 328,022 74,297 1,660	1,528,929 336,222 75,783 1,693	1,631,084 344,628 77,299 1,693
- 9 (h.).	1,069,512		1,218,698	1,297,111	1,380,488	1,463,134	1,549,837	1,640,904	1,736,811	1,836,824	1,942,628	2,054,704
Ending cash available Mill Levy	\$ 1,292,574	\$ 1,981,274 \$	2,867,040 \$	3,668,749	\$ 4,541,593 3.000	5,494,421 3.000	\$ 6,506,228	\$ 7,567,231 3.000	\$ 8,737,575 3.000	\$ 9,950,298 3.000	\$ 11,231,741 3.000	\$ 12,417,821
Beginning cash available Revenues Bond proceeds Developer advance	\$.	\$ · \$	· \$		] <u>د د</u>		s	\$ <u></u>	<u>\$.</u>	<u>ŧ</u>	<b>\$</b> 57	<b>1</b> 10
Developer contribution	-	100,000									-	
Expenditures Issuance costs Transfer to Debt Service (Reserve) Transfer to Debt Service (Cap Int) Repay developer advances Capital - Water Capital - Sever Capital - Streets		100,000		<u> </u>	28	8				<u>, v</u>		
		100,000										
Ending cash available	ŧ .	\$ . \$	· \$		<b>\$</b>		\$	\$.	<b>\$</b>	•	<b>*</b> •	+ -
See Summary of Significant Assumption	s and Accountin	g Policies										

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Exhibit I

#### 4 Way Ranch Metropolitan District No. 1 Forecested Sources and Uses of Cesh For the Years Ended December 31, 2009 through 2041

# 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031

				[	Ca	culation of Ass	essed Valuatio	n )				
Market values - residential homes (000's)												
Beginning	211,293	234,549	239,354	244,141	244,141	249,024	249,024	254.004	254,004	259,084	259,084	264,266
Increases (see Exhibit III)	19,030	4,805										
Biennial reassessment (1% per annum)	4,226		4,787		4,883		4,980		5,080	(7)	5,182	711
Ending market values	234,549	239,354	244,141	244,141	249,024	249,024	254,004	254,004	259,084	259.084	264,266	264,266
Residential assessment ratio	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%
Assessed value - residential (OOD's)	18.670	19.053	19,434	19,434	19,822	19,822	20,219	20,219	20,623	20,623	21,036	21,036
Market values - lots & commercial												
Beginning	42,354	41,861	41,426	42,254	42,947	53,960	53,980	55,025	55,025	56,112	56,112	57,220
Increases - commercial (see Exhibit III) Adjust to actual for 2009	57	•	1	1.55	10,167							
Increase (decrease) finished lots	(1,305)	(435)	12	693								
Biennial reassessment (1% per annum)	812		829	540 1	845	5	1,065		1,087	22	1,108	177
Ending market values	41,861	41,426	42,254	42,947	53,960	53,960	55,025	55,025	56,112	56,112	57,220	57,220
Commercial assessment ratio	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%
Assessed value - commercial (000's)	12,140	12,013	12,254	12,455	15,648	15,648	15,957	15,957	16,272	16,272	16,594	16,594
Oil and Gas Assessed value (000's)	131	•	8.		·		18	1			22	5
Total assessed valuation (000's)	30,810	31,066	31,687	31,888	35,471	35,471	36,176	36,178	36,895	36,895	37,629	37,629
Outstanding debt	14,665,000	14,285,000	13,880,000	13,445,000	12,980,000	12,485,000	11,955,000	11,385,000	10,775,000	10,125,000	9,430,000	8,685,000
Outstanding debt to AV ratio	47.60%	45.98%	43.80%	42.16%	36.59%	35.20%	33.05%	31.47%	29.20%	27.44%	25.06%	23.08%

See Summary of Significant Assumptions and Accounting Policies

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					Fo	ecasted Source	politan District and Uses of C aber 31, 2009 ti	ash		
	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041
						Gener	al Fund	1		
leginning cash available	\$ 12,417,821	\$ 13,528,739	\$ 14,518,602	\$ 15,387,202	\$ 16,119,325	\$ 16,713,421	\$ 17,148,657	\$ 17,421,550	\$ 17,531,504	\$ 17,478,679
Revenues										
Property taxes	115,134	115,134	117,424	117,424	119,761	119,761	122,144	122,144	124,575	124,575
Water / sewer service fees	2,810,735	2,810,735	2,810,735	2;810,735	2,810,735	2,810,735	2,810,735	2,810,735	2,810,735	2,810,735
Transfer from District #2 Developer advances	335,140	335,140	341,843	341,843	348,680	348,680	355,654	355,654	362,787	362,767
	3,261,009	3,261,009	3,270,002	3,270,002	3,279,176	3,279,176	3,288,533	3,288,533	3,298,077	3,298,077
Expenditures										
Water / sewer operations	1,716,276	1,826,922	1.945,485	2,072,043	2,208,025	2,355,430	2,515,362	2,666,284	2,826,261	2,995,836
Park and recreation maintenance	353,243	362,075	371,126	380,405	389,915	399,663	409,654	419,895	430,393	441,153
Administrative costs	78,845	80,422	82,030	83,671	85,344	87,051	88,792	90,558	92,379	94,227
County treasurer fees Repay developer advances	1.727	1.727	1,761	1,761	1,796	1,796	1,832	1,832	1,869	1.869
	2,150,091	2,271,145	2,401,403	2,537,879	2,685,080	2,843,940	3,015,640	3,178,579	3,350,902	3,533,085
nding cash available	\$ 13,528,739	\$ 14,518,602	\$ 15,387,202	\$ 16,119,325	\$ 16,713,421	\$ 17,148,657	\$ 17,421,550	\$ 17,531.504	\$ 17,478.679	\$ 17,243,671
ill Levy	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000
						Capital Pr	oject Fund			
eginning cash available	\$ .	\$ -	¥	<u></u> .	\$.	1.	\$.	\$.	\$	\$.
Revenues Bond proceeds Developer advance Developer contribution										
		2			(					
Expenditures Issuance costs Transfer to Debt Service (Reserve) Transfer to Debt Service (Cap Int)										
Repay developer advances Cepital - Water Capital - Sewer Capital - Streets										
Cepital - Water Capital - Sewer						-		á.		

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Exhibit I

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				[	Fore	y Ranch Matrop ocasted Sources s Ended Decemi	and Uses of Ca	sh		
	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041
					(	Debt Serv	ice Fund			
Beginning cash available	\$ 2,382,180	2,449,150	\$ 2,517,963	\$ 2,615,431	\$ 2,711,970	\$ 2,840,664	\$ 2,971,780	\$ 3,134,358	\$ 3,303,824 \$	371,351
Revenues Property tazes Specific ownership taxas Tap Fees Transfer from Capital Project Fund	1,343,228 102,085	1,343,228 102,085	1,369,952 104,116	1,369,952 104,116	1,397,210 106,188	1,397,210 106,188	1,425,014 108,301	1,425,014 108,301	1,453,373 110,456	1
Interest income	48,054	49,399	51,049	52,970	55,204	57,776	60,688	63,976	36,624	
	1,493,367	1,494,712	1,525,117	1,527,038	1.558,602	1,561,174	1,594,003	1,597,291	1,600,453	
Expenditures Debt service - Series 2012 Water lease payment	1,404,250	1,403,750	1,405,100	1,407,950	1,406,950	1,407,100	1,408,050	1,404,450	4,509,125	
Paying agent / trustee fees County treasurer fees	2,000 20,148	2,000 20,148	2,000 20,549	2,000 20,549	2,000 20,958	2,000 20,958	2,000 21,375	2,000 21,375	2,000 21,801	
	1,426,398	1,425,898	1,427,649	1,430,499	1,429,908	1,430,058	1,431,425	1,427,825	4,532,926	
Ending cash available	\$ 2,449,150 \$	2,517,963	\$ 2,615,431	\$ 2,711,970	\$ 2,840,664	\$ 2,971,780	\$ 3,134,358	\$ 3,303.824	\$ 371,351 \$	371,351
Reserve Fund included above	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000		
Capitalized Interest included above					÷.		•			
Surplus Fund included above	449,150	517,963	615,431	711,970	840,654	971,780	1,134,358	1,303,824	371,351	371,351
Mill Levy	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35,000	<u>ې</u>
Total Mill Levy	38.000	38,000	38.000	38.000	38.000	38.000	38.000	38.000	38.000	3.000

See Summary of Significant Assumptions and Accounting Policies

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Exhibit I

				ł		asted Sources a Ended Decembe				
	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041
				_						
Market values - residential homes (000's)				[	Cale	culation of Asse	ssed Valuation			
Beginning Increases (see Exhibit III)	264,266	269,551	269,551	274,943	274,943	280.441	280,441	286,050	286,050	291,771
Biennial reassessment (1% per annum)	5,285	· · ·	5,391	53	5,499	93	5,609	15	5,721	*
Ending market values	289,551	269,551	274,943	274,943	280,441	280,441	286,050	286,050	291,771	291,771
Residential assessment ratio	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%
Assessed value - residential (000's)	21,456	21,456	21,885	21,885	22,323	22,323	22,770	22,770	23,225	23,225
Market values - lots & commercial Beginning Increases - commercial (see Exhibit III) Adjust to actual for 2009	57,220	58,351	58,351	59,504	59,504	60,680	60,680	61,880	61,880	63,103
increase (decrease) finished lots Biennial reassessment (1% per annum)	1,131		1,153	8	1,176	<u>.</u>	1,200		1,224	_+
Ending market values	58,351	58,351	59,504	59,504	60,680	60,680	61,880	61,880	63,103	63,103
Commercial assessment ratio	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%
Assessed value - commercial (00D's)	16,922	16,922	17,258	17,256	17,597	17,597	17,945	17,945	18,300	18,300
Oil and Gas Assessed value (DDO's)	3		•	1	2	3	4	5	6	7
Total assessed valuation (000's)	38,378	38,378	39,141	39,141	39,920	39,920	40,715	40,715	41,525	41,525
Outstanding debt	7,885,000	•		33				(*)	(4	22
Outstanding debt to AV ratio	20.55%	0.00%								

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4 Way Ranch Metropolitan District No. 1

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See Summary of Significant Assumptions and Accounting Policies

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Exhibit I

#### 4 Way Ranch Metropolitan District No. 1 Forecasted Schedule of General Obligation Debt - Series 2012 For the Years Ended December 31, 2012 through 2039

V.	D-111	0	Later 1	Annual	Outstanding
<u>Year</u>	<b>Principal</b>	<u>Coupon</u>	Interest	Total	Balance
0010			700.000	700 000	20,000,000
2012			700,000	700,000	20,000,000
2013			700,000	1 400 000	20,000,000
2013			700,000	1,400,000	20,000,000
2014			700,000	1 400 000	20,000,000
2014			700,000	1,400,000	20,000,000
2015 2015	1 000 000	7.000	700,000	2,400,000	20,000,000
2015	1,000,000	7.000%	700,000	2,400,000	19,000,000
2016	1,100,000	7.000%	665,000 665,000	2,430,000	19,000,000 17,900,000
2010	1,100,000	7.000 %		2,430,000	
2017	750,000	7.000%	626,500 626,500	2,003,000	17,900,000 17,150,000
2017	750,000	7.000 /8	600,250	2,003,000	17,150,000
2018	800,000	7.000%	600,250	2,000,500	16,350,000
2010	000,000	1.000 /1	572,250	2,000,500	16,350,000
2019	400,000	7.000%	572,250	1,544,500	15,950,000
2013	400,000	7.000 //	558,250	1,344,300	15,950,000
2020	290,000	7.000%	558,250	1,406,500	15,660,000
2020	200,000	7.000 %	548,100	1,400,500	15,660,000
2021	310,000	7.000%	548,100	1,406,200	15,350,000
2022	510,000	7.000 /	537,250	1,400,200	15,350,000
2022	330,000	7.000%	537,250	1,404,500	15,020,000
2023		7.000 /	525,700	1,404,500	15,020,000
2023	355,000	7.000%	525,700	1,406,400	14,665,000
2024		7.000 //	513,275	1,400,400	14,665,000
2024	380,000	7.000%	513,275	1,406,550	14,285,000
2025		1.000 //	499,975	1,400,000	14,285,000
2025	405,000	7.000%	499,975	1,404,950	13,880,000
2026		1.0001	485,800	1,404,000	13,880,000
2026	435,000	7.000%	485,800	1,406,600	13,445,000
2027		1.000 //	470,575	1,400,000	13,445,000
2027	465,000	7.000%	470,575	1,406,150	12,980,000
2028			454,300	1,100,100	12,980,000
2028	495,000	7.000%	454,300	1,403,600	12,485,000
2029	1.47		436,975	.,	12,485,000
2029	530,000	7.000%	436,975	1,403,950	11,955,000
2030			418,425		11,955,000
2030	570,000	7.000%	418,425	1,406,850	11,385,000
2031			398,475	•	11,385,000
2031	610,000	7.000%	398,475	1,406,950	10,775,000
2032			377,125		10,775,000
2032	650,000	7.000%	377,125	1,404,250	10,125,000
2033			354,375		10,125,000
2033	695,000	7.000%	354,375	1,403,750	9,430,000
2034			330,050		9,430,000
2034	745,000	7.000%	330,050	1,405,100	8,685,000
2035	٠		303,975		8,685,000
2035	800,000	7.000%	303,975	1,407,950	7,885,000
2036	•		275,975	•	7,885,000
2036	855,000	7.000%	275,975	1,406,950	7,030,000
2037			246,050	•	7,030,000
2037	915,000	7.000%	246,050	1,407,100	6,115,000
2038			214,025		6,115,000
2038	980,000	7.000%	214,025	1,408,050	5,135,000
2039	•		179,725		5,135,000
2039	1,045,000	7.000%	179,725	1,404,450	4,090,000
2040	•		143,150	•	4,090,000
2040	4,090,000	7.000%	143,150	4,509,125	
	20,000,000		26,371,100	46,503,925	
		-			

See Summary of Significant Assumptions and Accounting Policies

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								For t		Schedules of A I Market Value	bsorption s	22						Exhibit III
								C	Schoo	tute of Absorpt	ion							
Property Description Residential - Units		Prior	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
Filing 2 Filing 3 Muti-Farrity		2	3	2	5	7 10	10 20 15	10 25 25	1 25 25 175	25 25	25 25	25 25	15 25	10				40 175 175 175
Commercial - Secare feet		2	3	. 2	10	17	45	60	226	50	50	50	40	10		e		565
Cambridiani - Secur Prof Parcel 1 & Rotal Parcel 2 & Rotal Parcel 2 & Rotal Parcel 3 & Rotal Parcel 3 & Rotal Parcel 4 & Rotal Parcel 5 Madeal Parcel 5 Madeal						7,900					35,000 17,000 85,100 70,000 53,600						18,000	7,900 35,000 17,000 18,000 85,100 70,000 53,800 51,300
Total Commercial	-		35			7,900		5	~		260,700			14		o 541	69,300	337,900
Undeveloped Land & Finished Lots																		
Filipg 1 Filipg 2 Filipg 3	-	38	(3)	(2) 5	(5) 5	(7) 10 15	1101 5 10	(10)	(1)			(10)	(15)	110)				
Commercial (s.q. feet)					7,900	(7,900)				260,700	(260,700)			(4)	÷	69,300		69,300.00
								C		Tap Foos								
	-	Prior	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
Filmgs 1-3 Multi Family Commercial (156.75 SFE's) Less \$1K por SFE	16,000 10,000 16,000	32,000 (2,000)	48,000 (3,000)	32,000	160,000	272,000 58,636 (20,665)	720,000	960,000	816.000 1,750,000 (159,500)	800.000 (50,000)	800,000 1,034,997 (170,937)	800.000	840,000 (40,000)	180,000	÷	6 6 17	2, 155,088 (134,693)	6,240,000 1,750,000 4,148,722 (757,795)
Tup foos plodged to Dobt		30,000	45,000	30,000	150,000	309,972	675,000	800,009	2,406,500	750,000	2.564,060	750,000	600.000	150.000		•	2,020,395	11,380,927

See Summary of Significant Assumptions and Accounting Policies

								Før t	Forecasted	Metropolitan D Schedules of A d Merket Value December 31,2	bsorption s	22						Exhibit ())
	Market							(	Schudt	ile of Market V	aluas							
	Value	Prier	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2010	2020	2021	2022	Total
Residentie) - Units Friing 1 Filing 2 Filing 3 Muti-Femily	550,000 435,000 435,000 250,000	1,100,000	1,650,000	1,100.000	2,777,500 2,196,750	3,827,385 4,437,435	5,666,656 8,963,619 6,722,714	5,723,322 11,316,569 11,316,569	578,056 11,429,734 11,429,734 45,981,690	11,544,032 11,544,032	11,659,472 11,659,472	11,776,067 11,776,067	7,136,296	4,805,106				21,422,918 80,459,973 81,147,521 45,981,690
		1,100,000	1,650,000	1,100,000	4,974,250	8,354,820	21,352,988	28,356,459	69,419,214	23,088,063	23.318,944	23,552,133	19,030,124	4.805,106	10	23		229,012,102
Commercial - Squara feat Percal   Ratal Percal   Difict Warshousa Parcal 3 Difict Warshousa Parcal 3 Difict Warshousa Parcal 4 Big Baz Parcal 4 Ratal Parcal 5 Medcal Olfica Parcal 6 Ratal	174 114 210 108 131 124 170 137					1,402,127					4,288,541 3,832,884 11,926,204 9,334,444 9,743,566						2,162,377	1,402,127 4,288,541 3,832,884 11,926,204 9,334,444 9,743,566
Tetal Commercial		3	38			1,402,127	\$2. \$2		×	1	39,125,639	54	Ξ.		149	52	10,167,156	40,527,767
Undeveloped Land & Finished Lots																		
Filing 1 Filing 2 Filing 3 Commercial Esq (set)	55,000 43,500 43,500 10	2,080,000	(165,000)	(110,000) 217,500	(275,000) 217,500 79.000	(385,000) 435,000 652,500 (78,000)	(550,000) 217,500 435,000	(550,000)	(55,000)	2,607,000	[2,607,000]	(435.000)	1852,500) (652,500)	(435,000)		693.000	(593,000)	*
		2,090.000	(165.000)	107,500	21,500	623,500	102,500	(550,000)	(55,000)	2,607,000	(2.607.000)	(435,000)	(1,305,000)	[435,000]	1.8	693.000	(693,000)	2

See Summery of Significant Assumptions and Accounting Policies

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4-Way Ranch Metropolitan District No 2

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					Fo	recasted Sourc	politan District as and Uses of C nber 31, 2011 ti	ash	]			Exhibit I
	Total	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
						Gener	al Fund	)				
Beginning cash avadable	<b>\$</b> .	\$.	\$.	\$.	<b>\$</b> .	\$.	\$.	\$.	\$.	\$.	\$.	<b>\$</b> .
Revenues Property taxes	8,090,958			5,800	20,228	40,599	72,137	106,304	148,521	115,323	147,840	178,563
	8,090,958			5,800	20,228	40,599	72,137	106,304	148,521	115,323	147,840	178,563
Expenditures County treasurer fees Transfer to District # 1	121,365 7,969,593			87 5,713	303 19.925	609 39,990	1,082	1,595 104,709	2,228	1,730 113,593	2,218 145,622	2,678
	8,090,958				20,228	40.599	72,137	106,304	148,521	115,323		175,885
Ending cash available			\$	\$ .						\$ .	147,840	178,563
Mill Levy	<u></u>	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	6.000	6.000	6.000
									10.000	0.000	0.000	0.000
						Capital P	oject Fund					
Beginning cash available	\$.	\$	\$ 16,740,750	\$ 16,310,565	\$ 14,749,776	\$ 7,032,947	\$ 20,616,661	\$ 16,940,104	\$ 8,737,111	\$ 14,528,395	\$ 8,872,442	\$ 0
Revenues Bond proceeds Interest income Developer contribution	54,000,000 1,820,400 37,855,423	20,000,000 165,750	319,815	289,211	137,901	24,000,000 404,248	332, 159	171,316	10,000,000		11,841	5,080,953
	93,675,823	20,165,750	319,815	289,211	137,901	24,404,248	332,159	171,316	10.000.000		11,841	5,080,953
Expenditures Issuance costs Transfer to Debt Service (Reserve) Transfer to Debt Service (Cap Int)	2, 160,000 4,900,000 6, 160,000	800,000 1,500,000 2,100,000				960,000 2,400,000 3,360,000	552,133	171,310	400,000 1,000,000 700,000		11,841	3,080,853
Capital - Water Capital - Sewer Capital - Streets	40,196,277 17,721,546 29,598,000	1,325,000	750,000	1,850,000	7,104,730	4,710,534 2,750,000	1,858,716 2,150,000	5,424,309 2,950,000	1,858,716 1,650,000	3,055,953 2,600,000	6,275,567 1,858,716 750,000	3,055,953 2,025,000
	93,675,823	3,425,000	750,000	1,850,000	7,854,730	10,820,534	4,008,716	8,374,309	4,208,716	5,655,953	8,884,283	5,080,953
Ending cash available	\$ 0	\$ 16,740,750	\$ 16,310,565	\$ 14,749,776	\$ 7,032,947	\$ 20,616,661	\$ 16,940,104			\$ 8,872,442		

See Summary of Significant Assumptions and Accounting Policies

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				[	For	ecasted Source	politan District s and Uses of C uber 31, 2011 th	ash				Exhibit I
	Total	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
					(	Debt Ser	vice Fund	Ì				
Beginning cash available	\$ .	\$ .	\$ 2,902,250	\$ 2,250,250	\$ 1,620,072	\$ 1,812,321	\$ 6,997,429	\$ 6,172,437	\$ 5,460,784	\$ 6,616,576	\$ 5,902,555	\$ 5,378,666
Revenues												
Property taxes	87,361,259			20,300	70,796	142,097	252,479	372,063	519,822	672,717	862,397	1,041,616
Specific ownership taxes	6,681,658	•		1,827	6,372	12,789	22,723	33,486	46,784	55, 163	70,717	85,413
Tap Fees	42,175,000	•	800,000	800,000	1,600,000	1,600,000	2,000,000	2,000,000	2,400,000	2,400,000	2,400,000	2,400,000
Transfer from Capital Project Fund	11,060,000	3,600,000				5,760,000			1,700,000			
Interest income	3,200,055	4,250	•	•	18, 143	14,354	110,593	95,378	78,984	100,189	87,933	79,367
	150,477,972	3,604,250	800,000	822,127	1,695,311	7,529,240	2,385,795	2,500,927	4,745,590	3,228,069	3,421,047	3,606,396
Expenditures												
Debt service - Series 2011	51,401,125	700,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1.400.000	1.400.000
Debt service - Series 2015	68,514,750					840,000	1,680,000	1,680,000	1,680,000	1,680,000	1,680,000	1,680,000
Debt service - Series 2018	26,292,850						.,		350.000	700,000	700.000	700,000
Water lease payments	2,635,938		50,000	50,000	100,000	100,000	125,000	125,000	150,000	150,000	150,000	150,000
Paying agent / trustee fees	70,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
County treasurer fees	1,310,420	•		305	1,062	2,131	3,787	5,581	7,797	10,091	12,936	15,624
	150,225,083	702,000	1,452,000	1,452,305	1,503,062	2,344,131	3,210,787	3,212,581	3,589,797	3,942,091	3,944,936	3,947,624
Ending cash available	\$ 252,889	\$ 2,902,250	2,250,250	\$ 1,620,072	\$ 1,812,321	\$ 6,997,429	\$ 6,172,437	\$ 5,460,784	\$ 6,616,576	\$ 5,902,555	\$ 5,378,666	\$ 5,037,438
Reserve Fund included above		1,500,000	1,500,000	1,500,000	1,500,000	3,900,000	3,900,000	3,900,000	4,900,000	4,900,000	4,900,000	4,900,000
Capitalized Interest included above	-	1,400,000				2,520,000	840,000		350,000		· · ·	
Surplus Fund included above	-	2,250	750,250	120,072	312,321	577,429	1,432,437	1,560,784	1,366,576	1,002,555	478,666	137,438
Mill Levy		35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000
Total Mill Levy		45.000	45.000	45.000	45.000	45.000	45.000	45.000	45.000	41.000	41.000	41.000

See Summary of Significant Assumptions and Accounting Policies

					Forec	Ranch Metropol asted Sources a Ended Decembe	ind Uses of Cas	h				Exhibit 1
	Total	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Market values - residential homes (000's)					Cali	ulation of Asse	ssed Valuation					
Beginning Increases (see Exhibit III) Bienniał reassessment (1% per annum)	1,096,102 243,199				18,125	18,125 18,306	36,431 38,891 729	76,051 39,280	115,331 50,729 2,307	168.367 51,237	219,604 63,691 4,392	287,688 64,328
Ending market values	1,339,300		•		18,125	36,431	76,051	115,331	168,367	219,604	287,688	352,016
Residential assessment ratio		7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%
Assessed value - residential (000's)	_	•	•	•	1,443	2,900	6,054	9,180	13,402	17,480	22,900	28,020
Market values - lots & commercial Beginning Increases - commercial (see Exhibit III) Adjust to actual for 2009 Increase (decrease) finished lots Biennial reassessment (1% per annum)	61,647 11,164			2,000	2,000	2.000 2,000	4,000	4,000 1,000	5,000	5,000 1,000	6,000	6,000
Ending market values	72,811	<u> </u>	<u> </u>	2,000	2,000	4,000	4,000	5,000	5,000	6,000	6,000	6,000
Commercial assessment ratio	_	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%
Assessed value - commercial (000's)	_		· · ·	580	580	1,160	1,160	1,450	1,450	1,740	1,740	1,740
Total assessed valuation (000's)	_			580	2,023	4,060	7,214	10,630	14,852	19,220	24,640	29,760

See Summary of Significant Assumptions and Accounting Policies

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							and Uses of Cash er 31, 2011 throu					
	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
					C	General	Fund					
Beginning cash available	\$.\$		. \$	- \$		\$\$	; . ;	- \$	- \$	- \$	. \$	
Revenues												
Property taxes	212.955	122,148	142,010	181,026	200,687	216,994	237,699	256,169	305,022	321,991	340,244	340,244
	212,955	122,148	142,010	181,026	200,687	216,994	237,699	256,169	305,022	321,991	340,244	340,244
Expenditures												
County treasurer fees Transfer to District #1	3,194 209,761	1,832 120,316	2,130 139,880	2,715	3,010	3,255	3,565	3,843	4,575	4,830	5,104	5,104
Hanalar to District #1				178,311	197,677	213,739	234,134	252,326	300,447	317,161	335,140	335,140
	212,955	122,148	142,010	181,026	200,687	216,994	237,699	258,169	305,022	321,991	340,244	340,244
Ending cash available	\$ + \$	\$	. \$	- \$			- \$	- \$	- \$	- \$	. \$	8
Mill Levy	6.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000
					C	Capital Proj	ect Fund					
Beginning cash available	\$ 0\$	0 \$	0\$	0 \$	0 (	3 0 \$	D \$	0 \$	0 \$	0 \$	0 \$	0
Revenues Bond proceeds												
Interest income												
Interest income Developer contribution	2,558,716	6,864,669	5,364,669	1,850,000	5, 194, 669	1,650,000	3,055,953	4,405,953		1,243,000		350,000
Developer contribution	2,558,716	6,864,669 6,864,669	5,364,669 5,364,669	1,850,000	5, 194,669 5, 194,669	1,650,000	3,055,953 3,055,953	4,405,953		1,243,000	20	350,000
Developer contribution Expenditures Issuance costs Transfer to Debt Service (Reserve)											20	
Developer contribution Expenditures Issuance costs							3,055,953				ş	
Developer contribution Expenditures Issuance costs Transfer to Debt Service (Reserve) Transfer to Debt Service (Cap Int) Capital - Water Capital - Sewer	2,558,716	6,864,669 3,055,953 1,858,716	5,364,669 3,055,953 1,858,716	1,850,000	5,194,669 3,055,953 1,858,716	1,650,000	3,055,953	4,4D5,953 3,055,953	G	1,243,000		350,000
Developer contribution Expenditures Issuance costs Transfer to Debt Service (Reserve) Transfer to Debt Service (Cap Int) Capital - Water	2,558,718 1,858,716 700,000	6,864,669 3,055,953 1,858,716 1,950,000	5,364,669 3,055,953 1,858,716 450,000	1,850,000	5,194,669 3,055,953 1,858,716 280,000	1,650,000	3,055,953 3,055,953	4,405,953 3,055,953 1,350,000	· .		2	
Developer contribution Expenditures Issuance costs Transfer to Debt Service (Reserve) Transfer to Debt Service (Cap Int) Capital - Water Capital - Sewer	2,558,716	6,864,669 3,055,953 1,858,716 1,950,000 6,864,669	5,364,669 3,055,953 1,858,716	1,850,000	5,194,669 3,055,953 1,858,716 280,000 5,194,669	1,650,000 1,650,000 1,650,000	3,055,953 3,055,953 3,055,953	4,4D5,953 3,055,953		1,243,000		350,000

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4 Way Ranch Metropolitan District No. 2

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Exhibit I

See Summary of Significant Assumptions and Accounting Policies

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					4 Wa	y Ranch Metroj	olitan District	No. 2	)			
					For	ecasted Source	s and Uses of C	ash				
				1	For the Year	s Ended Decem	ber 31, 2011 th	rough 2045				
									-			
	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
					[	Debt Ser	vice Fund					
Beginning cash available	\$ 5,037,438	\$ 4,905,592	\$ 5,301,893	\$ 4,974,829	\$ 5,131,274	\$ 5,537,061	\$ 5,987,068	\$ 7,758,180	\$ 8,741,220	\$ 10,354,134	\$ 9,957,951	\$ 9,258,218
Revenues												
Property taxes	1,242,240	1,425,061	1,656,785	2,111,967	2.341.349	2,531,592	2,773,152	2,988,636	3.558.589	3,756,557	3,969,518	3,969,518
Specific ownership taxes	101,864	108,305	125,916	160,510	177,943	192,401	210,760	227,136	270,453	285,498	301,683	301,683
Tap Fees	2,400,000	3,444,643	2,400,000	2,400,000	2,400,000	2,400,000	3,530,357	2,400,000	2,400,000			
Transfer from Capital Project Fund												
Interest income	74,683	66,959	77,987	76,298	81,865	90,338	101,138	139,598	165,301	201,110	190,259	176,305
	3,818,787	5,044,968	4,260,688	4,748,775	5,001,157	5,214,331	6,615,407	5,755,370	6,394,343	4,243,165	4,461,460	4,447,506
Expenditures												
Debt service - Series 2011	1,400,000	2,030,000	2,030,900	2,028,650	2,028,250	2,029,350	2.031.600	2,029,650	2,028,500	2,032,800	2.031.850	2,030,650
Debt service - Series 2015	1,680,000	1,680,000	1,680,000	1,680,000	1,680,000	1,680,000	1,680,000	1,680,000	1,680,000	1.680.000	2,200,000	2,198,600
Debt service - Series 2018	700,000	700,000	700,000	700,000	700,000	865,000	868,450	865,850	867,550	868,200	867,800	866,350
Water lease payments	150,000	215,290	150,000	150,000	150,000	150,000	220,647	150,000	150,000			
Paying agent / trustee fees	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2.000	2,000	2,000	2,000	2,000
County treasurer fees	18,634	21,376	24,852	31,680	35,120	37,974	41,597	44,830	53,379	56,348	59,543	59,543
	3,950,634	4,648,666	4,587,752	4,592,330	4,595,370	4,764,324	4,844,294	4,772,330	4,781,429	4,639,348	5, 161, 193	5,157,143
Ending cash available	\$ 4,905,592	\$ 5,301,893	\$ 4,974,829	\$ 5,131,274	\$ 5,537,061	\$ 5,987,068	\$ 7,758,180	\$ 8,741,220	\$ 10,354,134	\$ 9,957,951	\$ 9,258,218	\$ 8,548,581
Reserve Fund included above	4,900,000	4,900,000	4,900,000	4,900,000	4,900,000	4,900,000	4,900,000	4,900,000	4,900,000	4,900,000	4,900,000	4,900,000
Capitalized Interest included above		•	•				·				•	
Surplus Fund included above	5,592	401,893	74,829	231,274	637,061	1,087,068	2,858,180	3,841,220	5,454,134	5,057,951	4,358,218	3,648,581
Mill Levy	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000
Total Mill Levy	41.000	38.000	38.000	38.000	38.000	38.000	38.000	38.000	38.000	38.000	38,000	38.000

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See Summary of Significant Assumptions and Accounting Policies

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Exhibit f

					Forec	Ranch Metropo casted Sources Ended Decembe	and Uses of Cas	h				Exhibit (
	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Mada I. St. J					Cal	culation of Asse	ssed Valuation					
Market values - residential homes (000's) Beginning Increases (see Exhibit III) Biennial reassessment (1% per annum)	352,016 64,971 7,040	424,027 65,621	489,648 66,277 9,793	565,719 66,940	632,659 67,610 12,653	712,922 68,286	781,207 68,968 15,624	865,80D 69,658	935,458 70,355 18,709	1,024,522 71,058	1,095,580 71,769 21,912	1,189,260
Ending market values	424,027	489,648	565,719	632,659	712,922	781,207	865,800	935,458	1,024,522	1,095,580	1,189,260	1,189,260
Residential assessment ratio	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%
Assessed value - residential (000's)	33,753	38,976	45,031	50,360	56,749	62,184	68,918	74,462	81,552	87,208	94,665	94,665
Market values - lots & commercial Beginning Increases - commercial (see Exhibit III) Adjust to actual for 2000 Increase (decrease) finished lots Biennial reassessment (1% per annum)	6,000 	6.000 - -	6.000 1,950	7,950 28,422 (1,950)	34,422 568	34,990	34,990 580	35,570 2,110	37,68D 33,225 (2,110) 591	<b>69,386</b>	69,386 (6,000) 1,268	64,654
Ending market values	6,000	6,000	7,950	34,422	34,990	34,990	35,570	37.680	69,386	69,386	64,654	64,654
Commercial assessment ratio	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%
Assessed value - commercial (000's)	1,740	1,740	2,306	9,982	10,147	10, 147	10,315	10,927	20, 122	20,122	18,750	18,750
Total assessed valuation (00D's)	35,493	40,716	47,337	60,342	66,896	72,331	79,233	85,390	101,674	107,330	113,415	113,415

See Summary of Significant Assumptions and Accounting Policies

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				[	Foreca	sted Sources a	itan District No. nd Uses of Cash r 31, 2011 throu					Exhibit I
	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
						General F	und					
Beginning cash available	\$ 1212	\$.\$	- \$		\$ - \$	- \$	- \$	- \$	. \$	- \$	S \$	
Revenues Property laxes	 347,049	347,049	353,990	353,990	361,070	361,070	368,291	368,291	375,657	375,657	383,170	383,170
	 347,049	347,049	353,990	353,990	361,070	361,070	368,291	368,291	375,657	375,657	383,170	383,170
Expenditures County treasurer fees Transfer to District #1	 5,206 341,843	5,206 341,843	5,310 348,680	5,310 348,680	5,416 355,654	5.416 355,654	5,524 362,767	5,524 362,767	5,635 370,022	5,635 370,022	5,748 377,422	5,748 377,422
	 347,049	347,049	353,990	353,990	361,070	361,070	368,291	368,291	375,657	375,657	383,170	383,170
Ending cash available	\$ 2	\$ . \$	- \$	·	\$.\$	- \$	- \$	- \$	- \$	• \$	- \$	• • • • •
Mill Levy	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000
						Capital Projec	ct Fund					
Beginning cash available	\$ 0	\$ 0 \$	D \$	0	\$D\$	0\$	0\$	0 \$	0\$	0 \$	0 \$	0
Revenues Bond proceeds Interest income Developer contribution	 225,000											
	 225,000	•	•			•						
Expenditures Issuance cosis Transfer to Debt Service (Reserve) Transfer to Debt Service (Cap Int) Capital - Water Capital - Sewer												
Capital - Streets	 225,000											
	 225,000	57										
Ending cash avaitable	\$ 0	\$0\$	0\$	0	\$ 0 \$	0\$	0 \$	D \$	0\$	0 \$	0 \$	0

See Summary of Significant Assumptions and Accounting Policies

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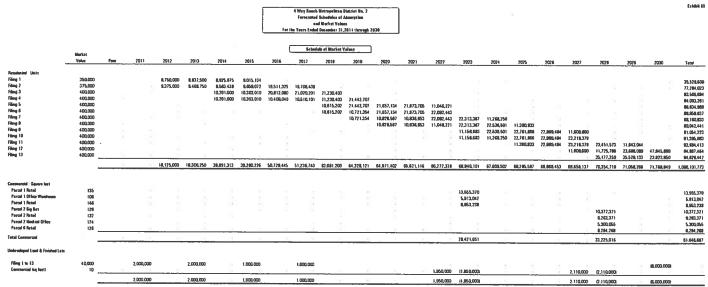
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2034         2035         2036         2037         2038         2039         2040         2041         2042         2043         2044         2045           Debt Service Fund           Beginning cash available         1         0.545.056         1         6.608.059         1         6.608.059         1         6.608.059         1         4.208.102         1         4.085.266         1         3.208.58         1         3.208.58         1         3.208.58         1         3.208.59         4.382.689         4.302.689         4.470.322         4.4						For	ecasted Source	politan District es and Uses of C aber 31, 2011 ti	ash				Exhibit I
Beginning cash available         4         8.548.581         4         7.913.008         4         7.262.653         4         6.100.609         4         4.268.102         4         4.175.790         4         4.083.854         4         3.703.547         4         1.008.875           Revenues         Property taxes         4.048,908         4.048,908         4.128,887         4.128,887         4.212,484         4.226,134         4.286,734         4.382.669         4.470,322         4.470,322           Specific ownership taxes         307.717         307.717         313.871         313.871         313.871         320.149         320.149         326.552         32.6552         33.083         338,744         338,744           Interest income         162.986         150.254         138.094         126,592         115,712         97.565         83.603         81.779         78,517         74.752         46.668         12.503           Expenditures         Debt service - Series 2011         2.028,850         2.031,100         2.031,700         2.030,300         2.031,560         2.815,425         .         .         .         .         .         .         .         .         .         .         .         .         .         .		2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
Revenues         A.048,008         4.048,008         4.128,887         4.212,484         4.212,484         4.226,734         4.286,734         4.382,669         4.382,669         4.382,669         4.370,322         4.470,322 <th< th=""><th></th><th></th><th></th><th></th><th></th><th>I</th><th>Debt Ser</th><th>vice Fund</th><th>)</th><th></th><th></th><th></th><th></th></th<>						I	Debt Ser	vice Fund	)				
Property taxes         4,048,908         4,048,908         4,128,807         4,128,867         4,212,484         320,149         326,552         333,083	Beginning cash available	\$ 8,548,581	\$ 7,913,008	\$ 7,262,653	\$ 6,684,857	\$ 6,100,909	\$ 5,585,966	\$ 4,268,102	\$ 4,175,790	\$ 4,083,854	\$ 3,846,383	\$ 3,703,547	\$ 1,009,875
Interest income         162,986         150,254         138,094         126,592         115,712         97,565         83,603         81,779         78,517         74,752         46,668         12,503           4,519,611         4,506,879         4,518,1852         4,570,350         4,648,345         4,630,198         4,705,065         4,794,269         4,790,504         4,856,734         4,822,569           Debt service - Series 2011         2,028,850         2,031,100         2,031,700         2,030,00         2,200,700         3,897,250         3,895,950         4,197,050         4,198,500         7,013,850           Debt service - Series 2018         2,000         2,001         2,198,650         2,196,050         2,200,700         3,897,250         3,895,950         4,197,050         4,198,500         7,013,850           Water less payments         2,000	Property taxes Specific ownership taxes Tap Fees												
Expenditures         2,028,850         2,031,100         2,031,700         2,030,300         2,031,550         2,815,425         .		162,986	150,254	138,094	126,592	115,712	97,565	83,603	81,779	78,517	74,752	46,668	12,503
Debt service - Series 2011         2,028,850         2,031,700         2,030,300         2,031,550         2,815,425         3,897,250         3,895,950         4,197,050         4,198,500         7,013,850           Debt service - Series 2015         2,198,750         2,198,650         2,198,650         2,000         866,250         866,750         835,500         834,600         766,950         667,100         4,198,500         7,013,850         5,510,500           Water less payments         2,000		4,519,611	4,506,879	4,581,852	4,570,350	4,648.345	4,630,198	4,706,889	4,705,065	4,794,269	4,790,504	4,856,734	4,822,569
Paying agent 1 trustee fees County treasurer fees         2,000         2	Debt service - Series 2011 Debt service - Series 2015 Debt service - Series 2018	2,199,750	2,198,100	2,198,650	2,196,050	2,200,300	2,200,700						5,510,500
5,155,184         5,157,234         5,159,648         5,154,238         5,163,287         5,948,062         4,797,001         5,031,740         4,933,340         7,550,405         5,579,555           Ending cash available         \$7,913,008         \$7,262,653         \$6,684,857         \$6,100,809         \$5,585,666         \$4,268,102         \$4,175,790         \$4,083,854         \$3,840,000         3,400,000         3,000,000 <td></td> <td>2,000</td>		2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Ending cash available       \$ 7,913_008 \$ 7,262,653 \$ 6,684,857 \$ 6,100,909 \$ 5,585,966 \$ 4,268,102 \$ 4,175,790 \$ 4,083,854 \$ 3,846,383 \$ 3,703,547 \$ 1,009,875 \$ 252,889         Reserve Fund included above       4,900,000 4,900,000 4,900,000 4,900,000 4,900,000 3,400,000 3,400,000 3,400,000 3,400,000 3,400,000 3,400,000 1,000,000         Capitalized Interest included above       3,013,008 2,362,653 1,784,857 1,200,909 685,966 868,102 775,790 683,854 446,383 303,547 9,875 252,889         Mill Levy       35.000	County treasurer fees	60,734	60,734	61,948	61,948	63,187	63,187	64,451	64,451	65,740	65,740	67,055	67,055
Reserve Fund included above         4,900,000         4,900,000         4,900,000         4,900,000         4,900,000         3,400,0		5,155,184	5,157,234	5,159,648	5,154,298	5,163,287	5,948,062	4,799,201	4,797,001	5,031,740	4,933,340	7,550,405	5,579,555
Capitalized Interest included above         3.013.008         2.362.653         1.784,857         1.200,809         685,966         868,102         775,790         683,854         446,383         303,547         9,875         252,889           Mill Levy         35.000 <td>Ending cash available</td> <td>\$ 7,913,008</td> <td>\$ 7,262,653</td> <td>\$ 6,684,857</td> <td>\$ 6,100,909</td> <td>\$ 5,585,966</td> <td>\$ 4,268,102</td> <td>\$ 4,175,790</td> <td>\$ 4,083,854</td> <td>\$ 3,846,383</td> <td>\$ 3,703,547</td> <td>\$ 1,009,875</td> <td>\$ 252,889</td>	Ending cash available	\$ 7,913,008	\$ 7,262,653	\$ 6,684,857	\$ 6,100,909	\$ 5,585,966	\$ 4,268,102	\$ 4,175,790	\$ 4,083,854	\$ 3,846,383	\$ 3,703,547	\$ 1,009,875	\$ 252,889
Surplus Fund included above         3,013,008         2,362,653         1,784,857         1,200,809         685,966         868,102         775,790         683,854         446,383         303,547         9,875         252,889           Mill Levy         35.000	Reserve Fund included above	4,900,000	4,900,000	4,900,000	4,900,000	4,900,000	3,400,000	3,400,000	3,400,000	3,400,000	3,400,000	1,000,000	
Mill Levy         35.000         35.0	Capitalized Interest included above									· · · · · · · · · · · · · · · · · · ·			•
	Surplus Fund included above	3,013,008	2,362,653	1,784,857	1,200,909	685,966	868,102	775,790	683,854	446,383	303,547	9,875	252,889
Total Mill Levy 38.000 38.000 38.000 38.000 38.000 38.000 38.000 38.000 38.000 38.000 38.000 38.000 38.000 38.000	Mill Levy	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000
	Total Mill Levy	38.000	38.000	38.000	38.000	38.000	38.000	38.000	38.000	38.00D	38.000	38.000	38.000

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See Summary of Significant Assumptions and Accounting Policies

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See Summery of Significant Assumptions and Accounting Pol

# **EXHIBIT C**

Description of Districts' Facilities and Costs

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Facilities Spreadsheet	Metropolitan District)s
<b>Overall Water</b>	4-Way Ranch

\$         2,100,000         \$         -         -           200         \$1,928,948         \$         1,222,874           200         \$1,145,492         \$         1,222,874           200         \$1,145,482         \$         1,222,874           400         \$1,145,482         \$         1,222,874           400         \$1,145,482         \$         1,222,874           700         \$1,145,482         \$         1,222,874           700         \$1,145,482         \$         1,222,874           700         \$1,145,482         \$         1,222,874           700         \$1,145,482         \$         1,222,874           700         \$1,145,482         \$         1,222,874           800         \$1,145,482         \$         1,222,874           1000         \$1,145,482         \$         1,222,874           1260         \$1,145,482         \$         1,222,874           1260         \$1,145,482         \$         1,222,874           1700         \$1,446,217         1,589,736         \$           1720         \$1,466,217         1,589,736         \$           1720         \$1,466,217         1,589,736	Inprovement		Build when SFE=	Capital Cost 2009 Dollars	Distribution/ Transmission	Comments
300 GPM         200         \$1,928,948         \$         1,222.874           Well Site #2         200         \$1,145,482         \$         1,222.874           Well Site #2         200         \$1,145,482         \$         1,222.874           Well Site #3         600         \$1,145,482         \$         1,222.874           Well Site #4         600         \$1,145,482         \$         1,222.874           Well Site #4         600         \$1,145,482         \$         1,222.874           Well Site #5         800         \$1,347,306         \$         1,222,874           Well Site #5         800         \$1,145,482         \$         1,222,874           Well Site #5         800         \$1,145,482         \$         1,258,736           Well Site #5         800         \$1,145,482         \$         1,252,874           Well Site #7         1260         \$1,145,482         \$         1,253,736           Well Site #7         1260         \$1,146,217         1,589,736           Well Site #1         2000         \$3,219,614         1,589,736           Well Site #11         2040         \$1,466,217         1,589,736           Well Site #11         2040         \$1,466,217<	Phase One Stage 1 Central Water (Existing)	120 GPM			، ب	Existing includes distribution/ransmisson
3         400         \$1,145,482         \$         1,222,874           4         600         \$1,145,482         \$         1,222,874           700         \$1,145,482         \$         1,222,874           700         \$1,347,306         \$         1,222,874           700         \$1,347,306         \$         1,222,874           700         \$1,347,306         \$         1,222,874           700         \$1,345,482         \$         1,222,874           7         1260         \$1,45,482         \$         1,222,874           7         1260         \$1,45,482         \$         1,222,874           8         1520         \$1,45,482         \$         1,222,874           8         1520         \$1,466,217         1,589,736         1,589,736           9         1700         \$1,466,217         1,589,736         1,589,736           1         2040         \$1,466,217         1,589,736         3,466,217         1,589,736           1         22300         \$1,466,217         1,589,736         3,340         \$1,466,217         1,589,736           2         2300         \$1,466,217         1,589,736         3,466,217         1,589,736	Stage 2 Central Water Treatment	300 GPM Well Site #2	200 200	\$1,928,948 \$1,145,482	\$ 1,222.874	Note: In order to simplify aniysis, we allocated an average cost of raw water line extension to each well site. As we worked through the raw water lines. It appears that
\$7,465,394         \$ 3,668,621           700         \$3,389,068         \$ 1,222,874           700         \$1,347,306         \$ 1,222,874           700         \$1,347,306         \$ 1,222,874           7         1000         \$1,145,482         \$ 1,222,874           7         1260         \$1,145,482         \$ 1,222,874           7         1260         \$1,466,217         1,589,736           8         1520         \$1,466,217         1,589,736           8         1520         \$ 1,466,217         1,589,736           9         1780         \$ 1,466,217         1,589,736           1         2040         \$ 1,466,217         1,589,736           1         2040         \$ 1,466,217         1,589,736           2         2300         \$ 1,466,217         1,589,736           3         22560         \$ 1,466,217         1,589,736           5         3340         \$ 1,466,217         1,589,736           5         23200         \$ 1,466,217         1,589,736           5         3340         \$ 1,466,217         1,589,736           5         3340         \$ 1,466,217         1,589,736           5         3340		Well Site #3 Well Site #4	400 600	\$1,145,482 \$1,145,482	\$ 1.222.874 \$ 1.222.874	it is a very reasonable estimate
700         \$3,389,068         700         \$1,347,306           700         \$1,347,306         \$1,347,306         \$1,222,874           7         1000         \$1,45,482         \$1,222,874           7         1260         \$1,45,482         \$1,222,874           7         1260         \$1,46,217         1,589,736           8         1520         \$1,466,217         1,589,736           9         1700         \$3,219,614         1,589,736           1         2040         \$1,466,217         1,589,736           1         2040         \$1,466,217         1,589,736           2         2300         \$1,466,217         1,589,736           2         2300         \$1,466,217         1,589,736           3         2466,217         1,589,736         3340,736           2         2300         \$1,466,217         1,589,736           3         2466,217         1,589,736         3340,736           3         3340         \$1,466,217         1,589,736           3         3340         \$1,466,217         1,589,736           3         3340         \$1,466,217         1,589,736           3         \$1,466,217         1,589,7				\$7,465,394	\$ 3,668,621	
700         \$3,389,068           700         \$1,347,306           5         800         \$1,145,482         \$1,222,874           6         1000         \$1,145,482         \$1,222,874           7         1260         \$1,145,482         \$1,222,874           8         1520         \$1,466,217         1,589,736           8         1520         \$1,466,217         1,589,736           9         1780         \$1,466,217         1,589,736           1         2040         \$1,466,217         1,589,736           1         2040         \$1,466,217         1,589,736           1         2030         \$1,466,217         1,589,736           1         2040         \$1,466,217         1,589,736           2         2300         \$1,466,217         1,589,736           3         2560         \$1,466,217         1,589,736           3         2340         \$1,466,217         1,589,736           3         2340         \$1,466,217         1,589,736           3         3340         \$1,466,217         1,589,736           3         3340         \$1,466,217         1,589,736           3         3340         \$1,4	Phase Two					
700         \$1,347,306         \$         1,222,874           5         800         \$1,145,482         \$         1,222,874           7         1260         \$1,145,482         \$         1,222,874           8         1520         \$1,145,482         \$         1,222,874           7         1260         \$1,146,217         1,589,736         1,589,736           8         1520         \$1,466,217         1,589,736         1,589,736           9         1700         \$3,219,614         1,589,736         1,589,736           1         2040         \$1,466,217         1,589,736         33,219,614         1,589,736           1         2030         \$1,466,217         1,589,736         3340         51,466,217         1,589,736           2         2300         \$1,466,217         1,589,736         3340         51,466,217         1,589,736           3         22560         \$1,466,217         1,589,736         3340         51,466,217         1,589,736           3         3340         \$1,466,217         1,589,736         3340         51,466,217         1,589,736	Stage 3 Central Water Treatment	650 GPM	200	\$3,389,068		Superstructure for Stage 4 is constructed at this time. A separate site is an option for FP 3
5         800         \$1,145,482         \$         1,222,874           7         1260         \$1,145,482         \$         1,222,874           7         1260         \$1,145,482         \$         1,222,874           8         1520         \$1,145,482         \$         1,589,736           9         1720         \$3,219,614         1,589,736         1,589,736           9         1780         \$3,219,614         1,589,736         1,589,736           1         2040         \$1,466,217         1,589,736         1,589,736           1         2040         \$1,466,217         1,589,736         3,340         3,466,217         1,589,736           2         2300         \$1,466,217         1,589,736         3,466,217         1,589,736           3         22560         \$1,466,217         1,589,736         3,466,217         1,589,736           3         2280         \$1,466,217         1,589,736         3,340         \$1,466,217         1,589,736           3         3340         \$1,466,217         1,589,736         3,340         5,887,736	Storage 1.75 MG		700	\$1,347,306		Storage may be most dependent on commercial fire need-could go sooner depending
5         1000         \$1,145,482         \$         1,222,874           7         1260         \$1,466,217         1,589,736           8         1520         \$1,466,217         1,589,736           9         1700         \$3,219,614         1,589,736           1         1700         \$3,219,614         1,589,736           1         2040         \$1,466,217         1,589,736           1         2040         \$1,466,217         1,589,736           2         2300         \$1,466,217         1,589,736           3         2560         \$1,466,217         1,589,736           3         2560         \$1,466,217         1,589,736           5         3340         \$1,466,217         1,589,736           5         3340         \$1,466,217         1,589,736           5         3340         \$1,466,217         1,589,736           5         3340         \$1,466,217         1,589,736           5         3340         \$1,466,217         1,589,736		Well Site #5	800	\$1,145,482	\$ 1,222,874	on the exact nature of commercial development in Phase One
7         1260         \$1,466,217         1,588,736           8         1520         \$1,466,217         1,589,736           9         1700         \$3,219,614         1,589,736           9         1780         \$3,219,614         1,589,736           1         2040         \$1,466,217         1,589,736           2         2040         \$1,466,217         1,589,736           2         2300         \$1,466,217         1,589,736           3         2560         \$1,466,217         1,589,736           5         3340         \$1,466,217         1,589,736           5         3340         \$1,466,217         1,589,736		Well Site #6	1000	\$1,145,482	\$ 1,222,874	Options for recharge/exchange start becoming considerations
1520         \$1,466,217         1,589,736           1700         \$3,219,614         1,589,736           1700         \$3,219,614         1,589,736           1         2040         \$1,466,217         1,589,736           2         2300         \$1,466,217         1,589,736           2         2300         \$1,466,217         1,589,736           3         2560         \$1,466,217         1,589,736           4         2820         \$1,466,217         1,589,736           5         3340         \$1,466,217         1,589,736           5         3340         \$1,466,217         1,589,736		Well Site #7	1260	\$1,466,217	1,589,736	At well sites 7 and up, an additional well into Denver or Dawson would be drilled
1700         \$3,219,614           1780         \$1,466,217         1,589,736           2040         \$1,466,217         1,589,736           22300         \$1,466,217         1,589,736           32560         \$1,466,217         1,589,736           4         2820         \$1,466,217         1,589,736           5         3080         \$1,466,217         1,589,736           5         3080         \$1,466,217         1,589,736           5         3080         \$1,466,217         1,589,736           5         3080         \$1,466,217         1,589,736		Well Site #8	1520	\$1,466,217	1,589,736	
1780         \$1,466,217         1,589,736           2040         \$1,466,217         1,589,736           2300         \$1,466,217         1,589,736           2560         \$1,466,217         1,589,736           2820         \$1,466,217         1,589,736           3340         \$1,466,217         1,589,736	Stage 4 Central Water Treatment	1000 GPM	1700	\$3,219,614		Equipment Only with some externel. Superstructure in place with Stage 3
2040 \$1,466,217 2300 \$1,466,217 2560 \$1,466,217 281,466,217 3080 \$1,466,217 3340 \$1,466,217		Well Site #9	1780	\$1,466,217	1,589,736	
2300 \$1,466,217 1 2560 \$1,466,217 1 281,466,217 1 3080 \$1,466,217 1 3340 \$1,466,217 1	>	Vell Site #11	2040	\$1,466,217	1,589,736	
2560 \$1,466,217 1 2820 \$1,466,217 1 3080 \$1,466,217 1 3340 \$1,466,217 1	~	Vell Site #12	2300	\$1,466,217	1,589,736	
2820 \$1,466,217 1 3080 \$1,466,217 1 3340 \$1,466,217 1	~	Vell Site #13	2560	\$1,466,217	1,589,736	
3080 \$1,466,217 1 3340 \$1,466,217 1	>	Vell Site #14	2820	\$1,466,217	1,589,736	
3340 \$1.466.217		Vell Site #15	3080	\$1,466,217	1,589,736	
	>	Well Site #16	3340	\$1,466,217	1,589,736	
\$23,442,906 \$ 16,753,368				\$23,442,906		

Since the Engineer has no control over the cost of labor, materials or equipment, or over the Contractor's method of determining preces, or over competitive bidding or market conditions, has opinients of probable construction cost provided for herein are made on the basis of his exportence and qualifications. These opinions represent his best judgment as a design professional familiar with the construction industry. However, the Engineer cannot and does not guarantee that proposals, bids, or the construction cost, will not vary from opinions of probable cost prepared by him.

Overall Wastewater Facilities Spreadsheet 4-Way Ranch Metropolitan District)s

-     - <th>Improvement</th> <th>Build when SFE=</th> <th>Capital Cost 2009 Dollars</th> <th>Collection/ Comments Trunk Sewers</th> <th>Comments</th>	Improvement	Build when SFE=	Capital Cost 2009 Dollars	Collection/ Comments Trunk Sewers	Comments
0         \$         1,333,007         \$         1           Collection/Trunk Mains         0         \$         1,333,007         \$         1           Pump Upgrades         175         \$         322,465         \$         1           Collection/Trunk Mains         350         \$         322,465         \$         1           Collection/Trunk Mains         350         \$         322,465         \$         1           Iwo         700         \$         1,655;472         \$         3         1           Iwo         700         \$         1,655;472         \$         3         1           Collection/Trunk Mains         700         \$         2,851,818         \$         1         3         1           Collection/Trunk Mains         700         \$         2,851,818         \$         1         3         1         3 <t< td=""><td>Phase One</td><td></td><td></td><td></td><td></td></t<>	Phase One				
Collection/Trunk Mains         0         5         1           Pump Upgrades         175         \$         322,465         \$         1           Pump Upgrades         175         \$         322,465         \$         1           Collection/Trunk Mains         350         \$         322,465         \$         1           Collection/Trunk Mains         700         \$         2,851,818         \$         1           Collection/Trunk Mains         700         \$         2,851,818         \$         1           Collection/Trunk Mains         700         \$         2,851,818         \$         1           Collection/Trunk Mains         1050         \$         2,851,818         \$         1           Collection/Trunk Mains         1750         \$         2,851,818         \$         1           Collection/Trunk Mains         2100         \$         2,961         \$         1         1           Collection/Trunk Mains         2450         \$         3         5         5         1           Collection/Trunk Mains         2450         \$         5         5         5         5         5	Lift Station/Force Main #1	0	\$ 1,333,007	, 69	
Pump Upgrades         175         \$ 322,465         \$ 322,465         \$ 350         \$ 1,655,472         \$ 1,655,472         \$ 1,655,472         \$ 1,655,472         \$ 1,655,472         \$ 1,655,472         \$ 1,655,472         \$ 1,655,472         \$ 1,655,472         \$ 1,655,472         \$ 1,655,472         \$ 1,655,472         \$ 1,655,472         \$ 1,655,472         \$ 1,655,472         \$ 1,655,472         \$ 1,655,472         \$ 1,655,472         \$ 1,50         \$ 1,655,472         \$ 2,851,818         \$ 1,50         \$ 2,851,818         \$ 1,50         \$ 2,851,818         \$ 1,50         \$ 2,851,818         \$ 1,50         \$ 2,851,818         \$ 1,50         \$ 2,851,818         \$ 1,50         \$ 2,851,818         \$ 2,851,818         \$ 2,851,818         \$ 2,851,818         \$ 2,851,818         \$ 2,851,818         \$ 2,851,818         \$ 2,851,818         \$ 2,851,818         \$ 2,851,818         \$ 2,851,818         \$ 2,851,818         \$ 2,850         \$ 2,851,818         \$ 2,850         \$ 2,850         \$ 2,850         \$ 3,150 <th< td=""><td>Collection/Trunk Mains</td><td>0</td><td></td><td>ы</td><td>Note: In order to simplify anivsis, we allocated an everage cost of collection and</td></th<>	Collection/Trunk Mains	0		ы	Note: In order to simplify anivsis, we allocated an everage cost of collection and
Collection/Trunk Mains         350         \$ 1,858,716           Phase One         \$ 1,655,472         \$ 3,717,4318           Flwo         700         \$ 2,851,818         1,858,716           Collection/Trunk Mains         1050         \$ 1,858,716         1,858,716           Collection/Trunk Mains         2100         \$ 1,858,716         1,858,716           Collection/Trunk Mains         2100         \$ 1,858,716         1,858,716           Collection/Trunk Mains         2100         \$ 1,858,716         1,858,716           Collection/Trunk Mains         2450         \$ 1,858,716         1,858,716           Collection/Trunk Mains         2450         \$ 1,858,716         1,858,716           Collection/Trunk Mains         2450         \$ 1,858,716         1,858,716	Pump Upgrades	175	\$ 322,465		trunk mains per 350 SFE
Phase One         5         1,655(472         5         3,717,4316           Fwo         700         5         2,851,818         1,858,716           Collection/Trunk Mains         700         5         2,851,818         1,858,716           Collection/Trunk Mains         700         5         1,858,716         5         1,858,716           Collection/Trunk Mains         1050         5         1,858,716         5         1,858,716           Collection/Trunk Mains         1750         5         1,858,716         5         1,858,716           Collection/Trunk Mains         1750         5         1,858,716         5         1,858,716           Collection/Trunk Mains         2100         5         1,858,716         5         1,858,716           Collection/Trunk Mains         2450         5         1,858,716         5         1,858,716           Collection/Trunk Mains         2450         5         1,858,716         5         1,858,716	Collection/Trunk Mains	350		\$ 1,858,716	
Two         700         S         2,851,818         1,858,716         368,716         368,716         368,716         368,716         368,716         368,716         368,716         368,716         368,716         368,716         368,716         368,716         368,716         368,776<		Phase One	時間には		
700         S         2,851,818         1,858,716           collection/Trunk Mains         700         \$         2,851,818         \$         1,858,716           collection/Trunk Mains         1050         \$         1,858,716         \$         1,858,716           collection/Trunk Mains         1050         \$         1,858,716         \$         1,858,716           collection/Trunk Mains         1400         \$         1,858,716         \$         1,858,716           collection/Trunk Mains         1750         \$         1,858,716         \$         1,858,716           collection/Trunk Mains         2100         \$         1,858,716         \$         1,858,716           collection/Trunk Mains         2450         \$         1,858,716         \$         1,858,716           collection/Trunk Mains         2800         \$         1,858,716         \$         1,858,716           collection/Trunk Mains         2800         \$         1,858,716         \$         1,858,716           collection/Trunk Mains         2150         \$         1,858,716         \$         1,858,716	Phase Two				
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1050 1400 1750 2100 2450 2860 3150 3150 8 14 8 444 8 444	Collection/Trunk Mains	700		<del>د</del>	
1400 1750 2100 2450 2800 3150 3150 851 818 818 144	Collection/Trunk Mains	1050		\$ 1.858.716	
1750 \$ 1 2100 \$ 1 2450 \$ 1 2800 \$ 1 3150 \$ 144	Collection/Trunk Mains	1400		\$ 1.858,716	
2100 \$ 1 2450 \$ 1 2800 \$ 1 3150 \$ 144	Collection/Trunk Mains	1750		\$ 1.858.716	
2450 \$ 1 2800 \$ 1 3150 \$ 2851 818 \$ 14	Collection/Trunk Mains	2100		\$ 1.858.716	
2800 \$ 1 3150 \$ 7 851 818 6 14	Collection/Trunk Mains	2450		\$ 1.858.716	
3150 \$ 150 \$ 14	Collection/Trunk Mains	2800		\$ 1,858,716	
Hun 6 2 251 212 6	Collection/Trunk Mains	3150		\$ 1,858,716	
A 010/100/2 A 0417		PhaseTwo	\$ 2,851,818	\$ 14,869,725	ŝx

Since the Engineer has no control over the cast of labor, materials or equipment, or over the Contractor's method of determining prices, or over competitive bidding or market conditions. his opinions of probable construction cost provided for herein are made on the basis of his experience and qualifications. These opinions represent his best judgment as a design professional familiar with the construction industry. However, the Engineer cannot and does not guarantee that proposals, bids, or the construction cost will not vary from opinions of probable cost prepared by him.

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# Cost Breakdown Cost Estimate for Phase I Local Roads / Overall Site Improvements Project: 4-Way Ranch

	Item	Unit	Quant.	Unit Cost		ltem Total
	Local Roads *			THE PARTY CONTRACTOR	and provided in	NUCLE VELOCIERISTE AND CONTRACTOR
1	Grading	C.Y.	150,265	\$ 2.50	\$	375,663
2	Erosion Control	L.S.	L.S.	1.S.	\$	100,000
3	Storm Sewer	L.S.	L.S.	L.S.	\$	650,000
4	Seeding / Matting	L.S.	L.S.	L.S.	\$	75,000
5	Curb & Gutter	L.F.	20,000	\$ 9.00	\$	180,000
6	Sidewalk & Ped Ramps	L.S.	L.S.	L.S.	\$	195,000
7	Paving	S.Y.	60,000	\$ 18.00	\$	1,080,000
8	Striping	L.S.	L.S.	L.S.	\$	25,000
9	Lighting	L.S.	L.S.	L.S.	\$	50,000
11	Landscaping & Irrigation	L.S.	L.S.	L. <b>S</b> .	\$	175,000
12	Traffic & Street Signs	EA.	60	\$ 150	\$	9,000
			Сог	struction Total	\$	2,914,663
		15	6 Constructio	on Contingency	\$	437,199

	Item	Unit	Quant.		Unit Cost	Item Total
	Overall Site Improvements					
1	Grading - Creek & Drainage Areas	L.S.	1	\$	200,000.00	\$ 200,000
2	Creek & Drainage Area Improvements	L.S.	1	\$	750,000.00	\$ 750,000
3	Common Area Landscaping & Irrigation	L.S.	1	\$	550,000.00	\$ 550,000
4	Detention Ponds	L.S.	1	\$	350,000.00	\$ 350,000
5	Trails	L.S.	1	\$	125,000.00	\$ 125,000
6	Entry Features & Signage *	L.S.	1	\$	150,000.00	\$ 150,000
			Сог	istri	action Total	\$ 2,125,000
		15	% Constructio	on C	ontingency	\$ 318,750
		Ove	erall Site In	npr	ovements	\$ 2,443,750

Local Roads Total \$

3,351,862

\* Refers to "Local" improvements for which financing is subject to prior approval of the County

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# Cost Breakdown Cost Estimate for Phase I Major Roads / Collector Roads Project: 4-Way Ranch

の記録	Item	Unit	Quant.	いたの	Unit Cost		Item Total
-	Major Roads						
	Stapleton Rd Eastonville To Hwy. 24						
1	Grading	C.Y.	200,000	\$	2.50	\$	500,000
2	Erosion Control	L.S.	L.S.		L.S.	\$	50,000
3	Storm Sewer	L.S.	L.S.		L.S.	\$	850,000
4	Seeding / Matting	AC	10	\$	1,000	\$	10,000
5	Curb & Gutter	L.F.	12,000	\$	9.00	\$	108,000
6	Sidewalk & Ped Ramps	L.S.	L.S.		L.S.	\$	125,000
7	Paving - 4 Lanes	S.Y.	52,000	\$	21.00	\$	1,092,000
8	Striping	L.S.	L.S.		L.S.	\$	85,000
9	Lighting	L.S.	L.S.		L.S.	\$	150,000
10	Hwy. 24 Connection	L.S.	L.S.		L.S.	5	450,000
11	Traffic Signal - Hwy. 24	EA.	1	\$	300,000	\$	300,000
12	Traffic Signals - Eastonville & Dumont	EA.	2	\$	150,000	\$	300,000
13	Landscape & Irrigation	L.S.	L.S.		L.S.	\$	225,000
14	Traffic & Street Signs	EA.	15	\$	150	\$	2,250
			Cor	struc	tion Total	\$	4,247,250
		15	∕₀ Constructio	on Co	ntingency	\$	637,088

Major Roads Total \$ 4,884,338

	Item	Unit	Quant.		Unit Cost		Item Total
	Collector Roads						
1	Grading	C.Y.	250,000	\$	2.50	\$	625,000
2	Erosion Control	L.S.	L.S.		L.S.	\$	125,000
3	Storm Sewer	L.S.	L.S.		L.S.	\$	650,000
4	Seeding / Matting	L.S.	L.S.		L.S.	\$	50,000
5	Curb & Gutter	L.F.	32,000	\$	7.50	\$	240,000
6	Sidewalk & Ped Ramps	L.S.	L.S.		L.S.	\$	375,000
7	Paving	S.Y.	70,000	\$	18.00	\$	1,260,000
8	Striping	L.S.	L.S.		L.S.	\$	75,000
9	Lighting	L.S.	L.S.		L.S.	\$	50,000
10	Traffic Control Systems	L.S.	L.S.		L.S.	s	25,000
11	Landscaping & Irrigation	L.S.	L.S.		L.S.	\$	300,000
12	Traffic & Street Signs	EA.	80	\$	150	\$	12,000
			Cor	stru	ction Total	\$	3,787,000
		15%	6 Constructio	on C	ontingency	\$	568,050
			Collector	Roa	ids Total	\$	4,355,050

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Engineer cannot and does not guarantee that proposals, bids, or the construction cost will not vary from opinions of probable cost prepared by him.

# Cost Breakdown Cost Estimate for Phase II Local Roads / Overall Site Improvements Project: 4-Way Ranch

	ltem	Unit	Quant.	Unit Cost		Item Total
	Local Roads *	1				
1	Grading	C.Y.	671,956	\$ 2.50	s	1,679,890
2	Erosion Control	L.S.	L.S.	L.S.	\$	450,000
3	Storm Sewer	L.S.	L.S.	L.S.	\$	2,500,000
4	Seeding / Matting	L.S.	L,S.	L.S.	\$	350,000
5	Curb & Gutter	L.F.	125,000	\$ 7.50	\$	937,500
6	Sidewalk & Ped Ramps	L.S.	L.S.	L.S.	\$	1,150,000
7	Paving	S.Y.	175,000	\$ 18.00	\$	3,150,000
8	Striping	L.S.	L.S.	L.S.	\$	50,000
9	Lighting	L.S.	L.S.	L.S.	\$	100,000
11	Landscaping & Irrigation	L.S.	L.S.	L.S.	\$	450,000
12	Traffic & Street Signs	EA.	150	\$ 150	\$	22,500
			Cor	struction Total	\$	10,839,890
		159	% Constructio	on Contingency	\$	1,625,984

Local Roads Total \$

Гotal \$ 12,465,874

Érica Califia Califia	Item	Unit	Quant.		Únit Cost		ltem Total
	Overall Site Improvements		1				الموال بالمسيط المالة الم المالية الم
1	Grading - Creck & Drainage Areas	L.S.	1	\$	200,000.00	\$	350,000
2	Creek & Drainage Area Improvements	L.S.	1	s	750,000.00	\$	550,000
3	Common Area Landscaping & Irrigation	L.S.	1	\$	550,000.00	\$	750,000
4	Detention Ponds	L.S.	1	\$	350,000.00	Ş	900,000
5	Trails	L.S.	1	s	125,000.00	\$	150,000
6	Entry Features & Signage *	L.S.	1	\$	150,000.00	\$	350,000
			Cor	nstru	uction Total	\$	3,050,000
		15	% Constructio	on C	ontingency	\$	457,500
		Ove	erall Site In	npr	ovements	\$	3,507,500

\* Refers to "Local" improvements for which financing is subject to prior approval of the County

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# Cost Breakdown Cost Estimate for Phase II Major Roads / Collector Roads Project: 4-Way Ranch

のない	Item	Unit	Quant.	Unit Cost		Item Total
	Major Roads					
	Rex Rd Eastonville To Hwy. 24					
1	Grading	C.Y.	225,000	\$ 2.50	\$	562,500
2	Erosion Control	L.S.	L.S.	L.S.	\$	50,000
3	Storm Sewer	ts.	L.S.	L.S.	\$	1,125,000
4	Seeding / Matting	AC	15	\$ 1,000	\$	15,000
5	Curb & Gutter	L.F.	15,000	\$ 9.00	\$	135,000
6	Sidewalk & Ped Ramps	L.S.	L.S.	L.S.	\$	250,000
7	Paving - 4 Lanes	S.Y.	60,000	\$ 21.00	\$	1,260,000
8	Striping	L.S.	L.S.	L.S.	\$	150,000
9	Lighting	L.S.	L.S.	L.S.	\$	350,000
10	Hwy. 24 Connection	L.S.	L.S.	L.S.	\$	450,000
11	Traffic Signal - Hwy, 24	EA.	1	\$ 300,000	\$	300,000
12	Traffic Signals - Eastonville & Dumont	EA.	3	\$ 150,000	\$	450,000
13	Landscape & Irrigation	L.S.	L.S.	L.S.	s	275,000
14	Traffic & Street Signs	EA.	15	\$ 150	\$	2,250
			Cor	struction Total	\$	5,374,750
		154	% Constructio	on Contingency	\$	806,213

Major Roads Total \$ 6,180,963

	Item	Unit	Quant.		Unit Cost	ltem Total
	Collector Roads		and a sub-tanks to be a still be a			
1	Grading	C.Y.	450,000	\$	2,50	\$ 1,125,000
2	Erosion Control	L.S.	L.S.		L.S.	\$ 250,000
3	Storm Sewer	L.S.	L.S.		L.S.	\$ 2,500,000
4	Seeding / Matting	L.S.	L.S.		L.S.	\$ 150,000
5	Curb & Gutter	L.F.	35,000	\$	7.50	\$ 262,500
6	Sidewalk & Ped Ramps	L.S.	L.S.		L.S.	\$ 450,000
7	Paving	S.Y.	68,000	s	18.00	\$ 1,224,000
8	Striping	L.S.	L.S.		L.S.	\$ 150,000
9	Lighting	L.S.	L.S.		L.S.	\$ 100,000
10	Traffic Control Systems	L.S.	L.S.		L.S.	\$ 50,000
11	Landscaping & Irrigation	L.S.	L.S.		L.S.	\$ 200,000
12	Traffic & Street Signs	EA.	75	\$	150	\$ 11,250
			Cor	istru	ction Total	\$ 6,472,750
		15	% Constructio	on Co	ontingency	\$ 970,913
			Collector	Roa	ds Total	\$ 7,443,663

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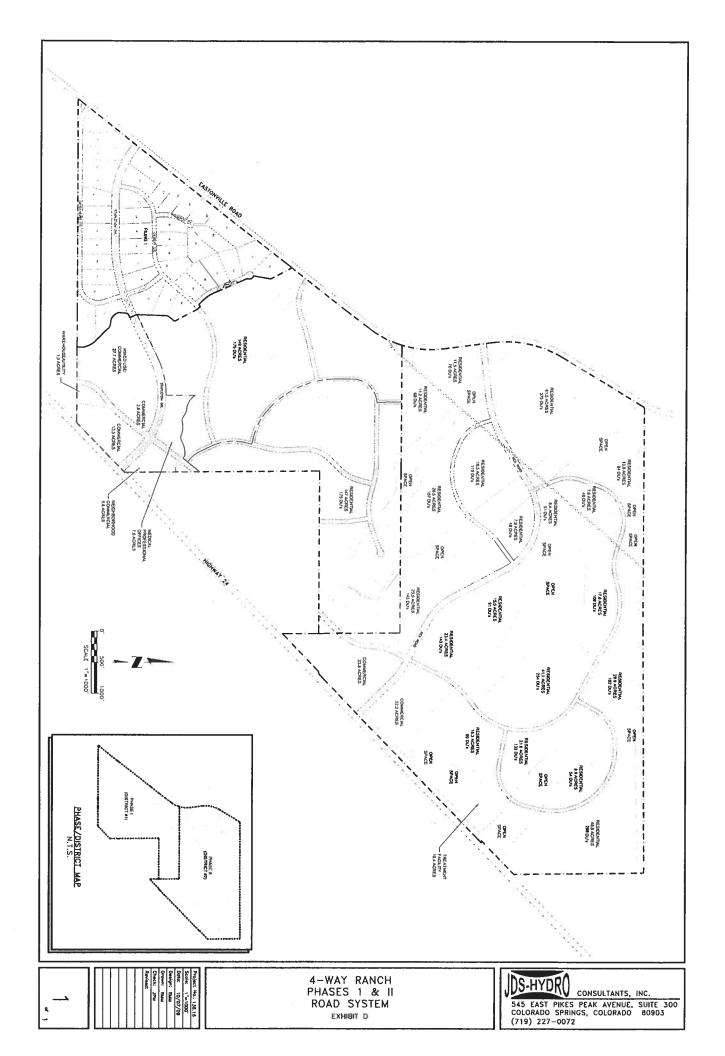
JDS-Hydro Consultants, Inc.

Overall Cost Summary Phases I and II Project: 4-Way Ranch

	ttem terresidente de la construcción de	District 1 (Phase I)	:: 1 e l)	District 2 (Phase II)	[2 ]]]
Water					
	Central	\$	7,465,394	\$	23,442,906
	Distribution	\$	3,668,621	\$	16,753,368
	Subtotal	\$	11,134,015	\$	40, 196, 274
Sewer					
	Central \$	\$	1,655,472	\$	2,851,818
	Collection \$	\$	3,717,431	Ф	14,869,725
	Subtotal	\$	5,372,903	\$	17,721,543
		-			
Roads					
	Major	Ś	4,884,338	с <del>,</del>	6,180,963
	Collector	÷	4,355,050	Ь	7,443,663
	Local	÷	3,351,862	\$	12,465,874
Over	erall Site Improvements	\$	2,443,750	Ф	3,507,500
	Subtotal	\$	15,035,000	S.	29,598,000
	Totot	÷	01 7 1 0 1 0		
		A	31,541,918	A	87,515,817
	Grant Total		\$119,057,735	57,735	

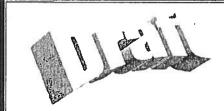
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# **EXHIBIT D** Phase I and Phase II Roadway Facilities



# **EXHIBIT E**

Updated Central Water and Wastewater System Facilities Plan



# UPDATED CENTRAL WATER & WASTEWATER SYSTEM FACILITIES PLAN

Prepared for:

4-Way Ranch Metropolitan District P.O. Box 50223 Colorado Springs, CO 80949

August 2009

Prepared By:

JDS-Hydro Consultants, Inc. 545 East Pikes Peak Ave., Suite 300 Colorado Springs, CO 80903

and

Seter and VanderWall 7400 Orchard Road, Suite 3300 Greenwood Village, CO 80111

#### **Executive Summary**

We estimated the necessary improvements to build-out roughly 3300 to 3500 single family equivalents within 4-Way Ranch Metropolitan Districts 1 and 2: All water for full buildout is available through 4-Way Ranch.

#### Water:

An existing system is in place which should not require any improvements until roughly 200 single family equivalent services are online. At that time, additional well sites and a second water treatment plant (WTP #2) would be required. Well sites can be added as necessary (an additional well site is needed with roughly each 200 SFE). To build out Phase One, the second water plant and a total of 4 well sites should be implemented.

When the District reaches about 700 SFE, a larger treatment plant, plant expansion, or 3<sup>rd</sup> treatment plant site must be added. For estimation purposes we used the same utility site as Treatment Plant #2. This plant would take the system through roughly 1700 SFE, at which time the last water plant expansion would be made. We made the assumption that the second treatment plant will be constructed so that upgrading its capacity will only require the addition of equipment. The final plant expansion would service up to about 3500 SFE. Well sites are master-planned to include about 4 future sites north of District #2 but still within 4-Way Ranch holdings.

Although this outline relies solely on Denver Basin wells, we would expect that as some level of significant wastewater return flows become available, 4-Way may pursue recharge and exchange in the Upper Black Squirrel in order to reduce the reliance on Denver Basin groundwater.

#### Sewer:

Wastewater treatment is expected to be provided through Woodmen Hills Metropolitan District. Although this is the preferred alternative and Woodmen Hills has committed to provide service, 4-Way Ranch has identified a treatment site if the Woodmen Hills option is unavailable.

Phase One wastewater requires a lift station at the southeast corner of District #1. Because of the land geometry, we recommend that about 130 SFE in Phase Two are served by Phase One sewer and that roughly 20 units in Phase One flow through Phase Two sewer improvements. If this cannot be accommodated, a temporary lift station would be required.

Phase Two would be served by a lift station at a point near Highway 24 along the central east boundary of District #2. This second site would serve the balance of the development, although pumping facilities might be phased.

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- Appendix E Summaries and Breakdowns of Costs for Central Systems

4-Way Ranch Metro District

Water and Wastewater Facilities Plan

#### **INTRODUCTION**

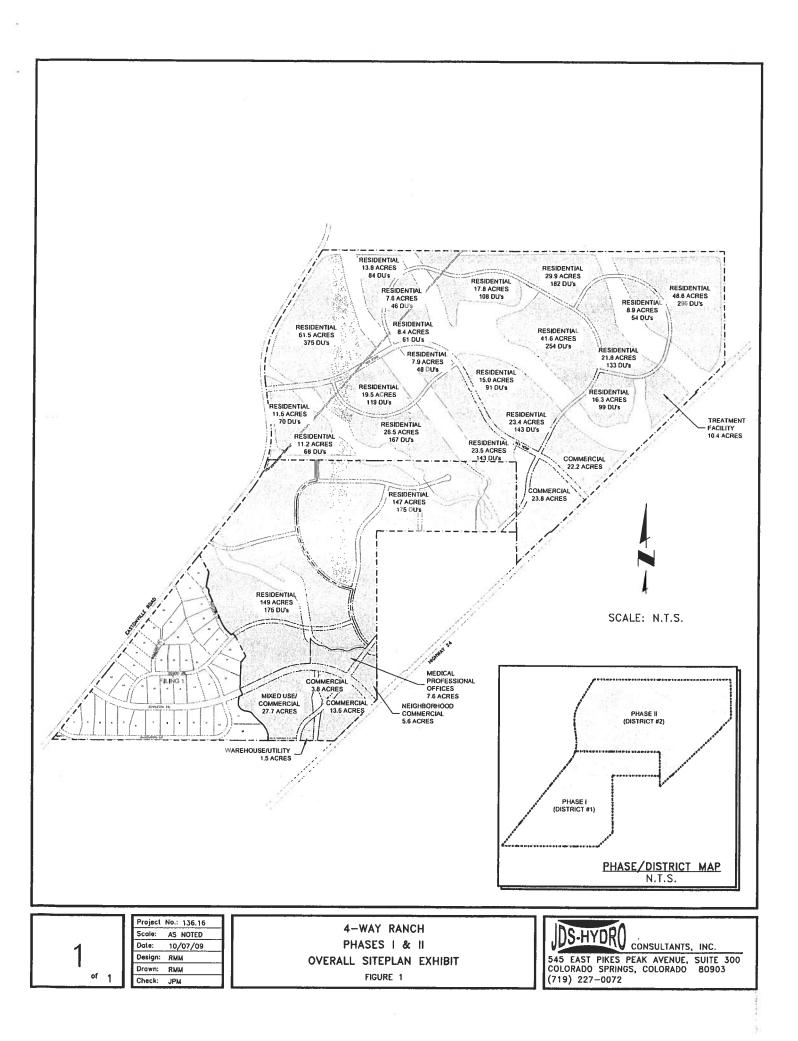
The purpose of this study is to provide a preliminary outline of central water and wastewater system facilities that would be necessary to serve the 4-Way Ranch Metropolitan Districts #'s 1 and 2. The initial result of this effort is to provide approximate costs and construction timing of water and wastewater system development, as well as potential costs for the purpose of financial planning.

#### SECTION I – STUDY AREA & LAND USE

- 1.1 Study Area: The comprehensive study area includes approximately 8100 acres known as the 4-Way Ranch. These lands are generally between Eastonville Road and Highway 24 north of Stapleton Drive, with a small portion being south of Stapleton. This study more specifically addresses the southern 1300 acres of the property that is being proposed for development. The areas are shown on the attached drawing entitled Figure 1.
- 1.2 *Land Use:* 4-Way Ranch has currently developed 42 large single family lots in the first filing of Phase One. While sewer service to these lots is primarily septic, two lots serving a church are on central sewer. The remaining filings in Phase One and all of Phase Two are proposed to have central sewer.

For the purpose of District planning, rough land uses have been estimated for the lands within District 1 and 2.

We would estimate that approximate build-out of the two Districts will include up to 3500 single family equivalents. Figure 1 on the following page is a very rough land use plan on which very initial planning has been based.



### SECTION 2 – PROJECTION OF WATER NEEDS & WASTEWATER LOADS

2.1 *Analysis of Water Demands:* It is expected that the future single family residential lots will be developed with turf grass landscaping of 1500 to 3000 square feet per lot. *Appendix A* presents a more detailed breakdown of projected water use. Based on these estimates, a summary of potential water demands is as follows:

Land Use	Annual Water Demand (AF/Year)	Average Daily Flow (GPD)	Max Daily Flow (GPD)	Peak Hour Demand (GPM)
District #1 (Phase One) (Approx 674 Equivalent Taps)	208	186,000	456,000	475
District #2 (Phase Two) (Approx 2607 Equivalent Taps)	834	745,000	1,825,000	1900
Totals (with 5% for Planning Cushion)	1094	978,000	2,395,000	2494

# TABLE 1 SUMMARY OF PROJECTED WATER DEMANDS

2.2 *Projection of Wastewater Loads:* With the exception of two lots being a church, the existing 42 large acreage lots are served by septic systems. *Appendix A* presents a more detailed breakdown of projected wastewater loads. Following is a summary of wastewater loads:

 TABLE 2

 SUMMARY OF PROJECTED WASTEWATER LOADS

Land Use	Average Daily Flow (GPD)	Max Daily Flow (GPD)
District #1 (Phase One) (Approx 674 Equivalent Taps)	117,130	134,700
District #2 (Phase Two) (Approx 2607 Equivalent Taps)	480,200	552,200
Totals (with 5% for Planning Cushion)	627,200	721,200

4-Way Ranch Metro District

2.3 Growth and Development: It should be noted that we have added a 5% cushion to our estimates as final land uses and exact locations are not currently known. We would like to plan for up to about 3500 single family equivalents for the study area in order to have some certainty that our estimates will be adequate. Obviously, if lower densities develop, we can adjust figures downward to meet those needs.

#### SECTION 3 - PROPOSED WATER SYSTEM FACILITIES

3.1 Water Rights: The 4-Way Ranch has a substantial holding of Denver Basin Groundwater rights. There are four water right determinations in 4-Way Ranch: 510-BD, 511-BD, 512-BD, and 513-BD. Currently this water may be used anywhere within the 8100 acre parcel. Both the Arapahoe and Laramic Fox Hills aquifers are determined to be fully non-tributary. The Denver and Dawson include a mix of non-tributary and not non-tributary water. A summary of the water rights within the 8100 acre Ranch are located in Appendix B.

The total determination allows for 8509 acre-feet of annual withdrawal on a 100-year basis and a 3708 annual acre-foot withdrawal on the El Paso County 300-year basis. Based on the needs summarized in Section 2, there are more than adequate water rights to serve all of the currently anticipated needs.

3.2 Source of Supply: Domestic water demand would be met using primarily Arapahoe (A) and Laramie-Fox Hills (LFH) wells. It is recommended that well sites be located with the intent of drilling two to four wells on each site based on final recommendations by the groundwater hydrogeologist, Curt Wells. At each site, a single well would be planned for each aquifer, although all wells may not necessarily be drilled at the same time. This report proposes sites for initial wells, but these sites should be confirmed by Mr. Wells.

Appendix C depicts a layout of expected facilities including potential well sites. Based on history of well yield on adjacent properties, it can be assumed that each LFH well would produce about 90 gpm and each Arapahoe would produce about 35 gpm.

Well site #1 has already been drilled and a treatment plant has been located at the site. The existing water facilities will be adequate through the first 200 single family equivalent taps. To complete Phase One of development, well sites 2, 3, and 4 will be added along with an additional treatment plant located at the existing water storage tank site. This site has been planned for these future facilities, and will be adequate for all of Phase One development.

The Denver and Dawson wells would probably not be developed, initially. However, the decision to provide for recreational/irrigation needs may suggest that the shallower but less productive Denver and Dawson wells be used. Again, this final determination should be made by Mr. Wells.

Upon commencement of development into District #2 (Phase Two), well sites will be added as needed, and treatment will be further built-out adjacent to the existing water tank site. We would plan for the second water treatment plant to easily accept a major expansion, but additional lands may need to be set aside for other treatment sites.

It is possible that up to 14 well sites will be needed to serve the entire build-out of 4-Way Ranch. While we have based this plan on that eventuality, we expect that future source options will include Denver Basin exchanges on return flows and alluvial wells.

- 3.3 *Water Quality and Treatment:* Historical use of the Denver basin water in this area suggests that high iron and manganese levels will require treatment. The most prevalent type of treatment system employed for this purpose is a pressure filter system which is fairly easily operated and easily automated. We expect to continue to develop treatment in the manner already used at 4-Way and adjacent areas.
- 3.4 *Water Storage*: A 430,000 gallon storage tank already exists in 4-Way Ranch, which will suffice for expected domestic needs throughout Phase One development, unless a large commercial user would necessitate higher fire-flow storage. We recommend water storage measures be based on two different criteria: (a) storage should equal at least required fire supply plus necessary equalizing storage, and (b) storage should exclude the bottom two feet of water in the tank. It is also recommended that the storage criteria above should not be less than the maximum daily need for domestic supply.

Probable fire requirements are as follows:

Land Use	Flowrate (GPM)	Duration (Hrs)	Required Storage (Gallons)
Rural Residential Development*	1,000	2	120,000
General Commercial**	2,500	2	300,000
"Big Box" Commercial	4,500	4	1,080,000

TABLE 3 PROBABLE FIRE-FLOW REQUIREMENTS

\* Minimum 2.5 Acre Lots

\*\* Great variability based on actual use

The tank site is located on a knoll in the northwest corner of the Phase One. Depending on actual final build-out, we would anticipate approximately 2.0 MG of water storage to be required for build-out. This could occur as multiple tanks in series or a single unit adjacent to the existing tank which would bring total storage to between 2.0 and 2.5 MG. An option might exist to site the second tank north of the existing tank site in order to create a gravity feed option. If used, this site is still within 4-Way Ranch, but roughly two (2) miles north of the development area.

3.5 *Distribution and Transmission Lines:* For the purpose of fire protection, we recommend eight inch (8") water piping throughout the residential subdivision. The lines should be looped wherever street layout allows. A few larger loops are noted on the master plan which will be required as the area develops.

3.6 *Pumping for Service Pressures*: Ground elevations within the development service area range from 6860 to 7020. Adequate service pressures are generally considered 55 psi for residential service. The existing tank site is at an elevation of approximately 6990, which would not be capable of supplying acceptable service pressures to most of the service area. Consequently, an alternate tank site would be required at a minimum elevation of 7150. A site of 7150 elevation is available within the 4-Way Ranch holdings, but the site is nearly 2 miles north of the proposed development. For Phase One, we suggest utilizing the existing storage site as is.

## SECTION 4 – PROPOSED WASTEWATER SYSTEM FACILITIES

4.1 Basins and Sewer Outfalls: A layout of the major wastewater facilities is located in Appendix D. A major basin line cuts through the site roughly diagonal to the phasing line. Each of the major basins would require a lift station in the approximate locations depicted in the layout. It would be most cost effective to provide service to about 138 homes in Phase Two through the Phase One Basin and there would be between 15 and 25 homes in Phase One that might be better served through the Phase Two Basin. Consequently, we would recommend not building out a small portion of Phase One until Phase Two major facilities are underway. This would avoid a temporary lift station.

*Appendix D* also shows the anticipated force mains from each lift station linking into Woodmen Hills.

For the master planning purposes, we have shown only the larger main trunk sewers. We understand that final location of these and local collection lines will be based on actual ultimate land use and road alignments.

For the sake of estimation, assuming that local collection lines will equal road lengths is a reasonable level of planning at this point. We do recommend a minimum line size of eight inches (8") which is the industry standard.

4.2 *Lift Stations and Force Mains*: While the sewer load calculations are based on actual phasing lines, we recommend that roughly 118 equivalent taps be transferred from the Phase Two Basin to Phase One. This results in estimating a slightly larger lift station in Phase One than the actual phasing line indicates. A notation at the bottom of the detailed wastewater projection in *Appendix A* notes this adjustment.

Lift Station #1 planned for the southern utility site has been sized to pump at a flow rate of about 175 GPM through a 6" line, while Lift Station #2 in the northern part of the site is planned to pump at a rate of approximately 500 GPM through either an 8" force main. These force mains are planned to be extended along Stapleton, then west to the Paint Brush Hills Wastewater Treatment Plant (WWTP). Dual conduits have already been placed under the intersection of Stapleton and Eastonville to avoid future cutting of pavement.

4.3 Wastewater Treatment: 4-Way Ranch Metropolitan Districts have negotiated with Woodmen Hills Metropolitan District to provide wastewater treatment via the Paint Brush Hills WWTP. Woodmen Hills is in the process of making certain upgrades to the existing facility for the near term need with long term needs anticipated to be constructed in roughly 2013. 4-Way already has an initial connection to the Woodmen Hills system which will serve the new church being constructed at the intersection of Stapleton and Eastonville.

As an alternative, 4-Way Ranch Metro has held back a possible treatment plant site on the property if for some reason the Woodmen Hills option cannot be implemented. 4-Way has previously submitted and received Preliminary Effluent Limitations (PELs) from the Colorado Department of Public Health and Environment (CDPHE) for a possible plant at this site. The PELs were obtained with the intent to include reuse and recharge if it is ever necessary to implement this option. The site is noted in Figure 1 in this report.

4.4 *Reuse and Recharge Options*: The Denver basin water rights, on which the water supply is based for 4-Way Ranch, are fully consumable rights. This means that 4-Way can use and reuse the water to extinction. As wastewater discharges increase over time, 4-Way would have the opportunity to look at either re-using some of their wastewater effluent or recharging that effluent in exchange for alluvial withdrawals.

The reuse option is being contemplated in future years by WHMD so 4-Way would have the option to participate if and when that occurs.

Recharge and withdrawal would require a court filing, but the Upper Black Squirrel has been studying opportunities for recharge in the upper parts of the basin for some time.

# SECTION 5 – IMPLEMENTATION OF FACILITIES

5.1 *Cost of Water Facilities*: The District already has a functioning water system in the ground and is not likely to need any central system facilities until the point at which roughly 200 single family equivalent taps are online. *Appendix E* has a summary of expected system costs for both water and sewer facilities. Breakdowns of the major components are also attached. Some elements such as water wells and distribution lines are plugged in as unit costs. While each well site will have slightly different development costs, the sites will be somewhat similar. We have shown a well site, associated raw water line budget, and associated power budget as a unit cost associated with roughly every 200 SFE.

We have planned treatment facilities in 3 stages of the development through build-out. We outlined storage expansion with Phase Two, but we realize that this might happen earlier depending on final commercial site uses which will mandate expanded storage for fire flow.

Breakdowns for costs as allocated to the two Districts are noted in the summary as Phase One and Phase Two. All costs are presented in 2009 dollars.

5.2 *Cost of Wastewater Facilities*: Like water, the cost of major system components are broken down in *Appendix E*. A major lift station and force main will be provided at each phase. As is noted in Section 4, the geographical wastewater division line between Phase One and Phase Two is slightly different than the political line.

Also, like water, we have allocated a budget for collection lines based on incremental build-out of filings. This budgetary figure is reasonable for the densities proposed.

With a notable exception, breakdowns for costs as allocated to the two Districts are clear and noted in the summary as Phase One and Phase Two. It is most conducive to serve approximately 138 SFE of Phase Two through Phase One facilities, and it is most effective to serve about 10 to 20 units of Phase One through Phase Two facilities. This discrepancy is relatively minor, and we can provide some sort of judgmental allocation of costs if and when necessary. All costs are presented in 2009 dollars.

5.3 *Implementation Timeline*: At this time, we do not have a build-out schedule, but we have organized costs based on actual needs' triggers relative to phasing or tap build-out.

We have updated the original Operation and Maintenance budget and have attached it within the cost analysis Appendix.

Appendix A

Filted function         4.2         Resolution         155.1         3000         1         0.23         36.50	Parcel Description	# of Lots	Land Use	Land Area (Acres)	Commercial (SF Indoor)	Single Family Equivalent (SFE)	Projection/Allocation (AF/Year)	Average Daily Flow (GPD)	Max Daily Flow (GPD)	Peak Hour Demand (GPM)	
Terei I area I	Filing 1 Residentiat Lots - Tract A	42	Residentail Commercial	135.12 0,57	3.000	42	17,64 0.23	15.747 205	38.580 503	9 F	
Tartel 3         Warenestility Mencical Professional Office         14,5         165,000         3         1         1,13,5         1,13,5         2,021         2,021           arcel 3         Mencical Professional Office         7,60         55,00         12         3,637         8,611           arcel 4         Mencical Professional Office         7,60         55,00         17         3,637         8,611           arcel 5         Mencical Professional Office         7,60         53,100         17         3,637         8,611           arcel 5         Residentali         12,546         341,400         674         207,83         165,531         4,44,551           arcel 5         Residentali         136,543         341,400         674         207,83         165,531         444,551           IDescription         # of Labs         Land Use         Commercial         134,950         32,14         00         122,476         6600         122,476         6600         127,1356           IDescription         # of Labs         Land Use         Land Use         Commercial         134,950         32,513         444,551         445,551           IDescription         # of Labs         Commercial         0.00         134,950		200 SFE's		27.73 3.79	43.400	2 10 7 4	3.33 52.00 1.30	2.973 46,420 1.164	7,283 113,728 2,853	හ <u>ද</u> ු හ (	1
175         Residential         127.82         175         56.00         49.900         122.476           175         Residential         136.45         34.400         674         207.83         45.531         454.551           17         Subtorais         136.45         34.400         674         207.83         185.531         454.551         454.551           1         Subtorais         459.00         674         207.83         185.531         454.551         454.551           1         Subtorais         451.600         679         72.003         177.136         72.476           1         Description         # of Lots         Land Use         Land Area         (SF Indoor)         Equivalent (SFE)         805.92         72.3.03         1,771.336           Identillots         2531         805.92         72.3.03         1,771.336         777.3.36           Intercial         1         0.00         134.560         30         956         8.62.2         211.23           Intercial         1         0.00         124.560         30         976         974         773.003         1,771.336           Intercial         1         0.00         124.560         32.566         <	Parcel 3 Parcel 4 Parcel 5 Parcel 6	100-00-00-00-00-00-00-00-00-00-00-00-00-	Warehouse/Utitity Commercial Medical Professional Office Neighborhood Commercial	1.45 13.48 7.60 5.59	18,000 156,300 53,100 50,600	4 6 6 6	1.38 4.07 3.88	1.233 10.706 3.637 3.466	3.021 26.229 8.911 8.491	т <mark>7</mark> в в	
Description         # of Lots         Subtotals         454,651         341,400         674         207.83         165,531         454,551         454,551           Description         # of Lots         Land Use         Land Area         Commercial         Single Family         Projection/Allocation         Average Daily Flow         Max Daily Flow         464,551         464,551         454,551         454,551         454,551         454,551         454,551         454,551         454,551         454,551         454,551         454,551         454,551         1771,358         4771,358         4771,358         4771,358         4711,35	tiling 3 Filing 4	175	Residental	127.82 136,45		175 175	56.00 56.00	49.990 49.990	122,476 122,476	128	
# of Lots         Land Vsea         Commercial         Single Family         Projection/Allocation         Average Daily Flow         Max Daily Flow           2531         Residenal         0.00         (5F indoor)         (5F indoor)         (6PD)         (6PD)         (6PD)           2531         Residenal         0.00         32         10.135         9243         1,771.358           1         Commercial         23.80         134.950         32         10.35         9243         22.645           1         Commercial         23.80         134.950         32         9.65         8.622         21.123           1         Utility         10.40         1         0         1         0.42         375         919           2         Recreation         56.40         26.0827         2607         83.4.35         744.814         1.824,794           2         Bubotalis         56.40         260.827         2607         83.4.35         744.814         1.824,794           2         Subtotals         56.40         260.827         2607         83.4.35         744.814         1.824,794           2         Subtotals         56.40         260.827         2607         834.35	PHASE II		Subtotals	459.60	341,400	674	207.83	185.531	454.551	473	
2531       Residental       0.00       2531       806.92       723,003         1       Commercial       23.80       134.950       32       9.65       9.243         1       Commercial       22.20       125,877       30       9.65       8.622         1       Utility       10.40       125,877       30       9.65       9.243         1       Commercial       22.20       125,877       30       9.65       9.543         1       Commercial       22.20       125,877       30       9.65       9.55       9.55         1       Outility       10.40       10.40       11       0.42       3.75       9         2       Recreation       10.40       13       13       4.00       3.571       9         3       Subtotals       56.40       260.827       2607       834.35       744.814       9         3       Subtotals       56.40       26.827       2607       834.35       90.345       1	Parcel Description	# of Lots	Land Use	Land Area (Acres)	Commercial (SF Indoor)	Single Family Equivalent (SFE)	Projection/Allocation (Acre-ft)	Average Daily Flow (GPD)	Max Daily Flow (GPD)	Peak Hour Demand (GPM)	1
1         Commercial         23.80         134.950         32         10.35         9.243         9.243           1         Commercial         22.20         125.877         30         9.66         9.243         9.243           1         Utility         10.40         125.877         30         9.65         9.65         8.622           2         Recreation         10.40         113         1         0.42         375         1           2         Recreation         56.40         260.827         2607         834.35         744.814         1           Subtotals         56.40         260.827         2607         834.35         744.814         1           TOTALS plue 5%         345         1084.3         906.365         90.345         1	Residential Lots	2531	Residental	0.00		2531	805,92	723,003	1,771,358	1.845	
1         Utility         10.40         10.40         1         0.42         375         1           2         Recreation         13         4.00         3.571         3.571         1           2         Subtotals         56.40         260.827         2607         834.35         744.814         1           1         TOTALS         3281         1042.2         930.345         1         1           1         TOTALS plue 5%         3445         1084.3         976.862         1	Commercial Commercial	r e	Commercial Commercial	23.80 22.20	134.950 125.877	32 30	10.35 9.66	9,243 8.622	22.646 21.123	24 22	
2         Recreation         3.571         3.571           Subtotals         56.40         260.827         2607         834.35         744.814           Subtotals         56.40         260.827         3281         1042.2         930.345           TOTALS         3281         1084.3         976.882         1084.3         976.882	Treatment Facility	1	Utility	10.40		*	0.42	375	919	-	
56.40         260.827         2607         834.35         744.814           TOTALS         3281         1042.2         930.345         1           TOTALS plue 5%         3445         1084.3         976.862         1	Parks	2	Recreation			13	4.00	3.571	8,748	G	
3281 1042.2 930,345 3445 1094.3 976.862			Subtotals	56.40	260.827	2607	834.35	744,814	1,824,794	1.901	
3445 1094,3 976,862					TOTALS	3281	1042.2	930,345	1 2,279,345	2,374	_
					TOTALS plus 5%	3445	1094,3	976.862	2,393,312	2.493	-

Appendix A: 4-Way Ranch Overall Projected Water Demand for Phases I & II

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Notes:

Residential Demand for Filing 1 = 0.42 AF/SFE Residential Demand for Filings 2.3.4. and Phase II = 0.32 AF/SFE MultiSamily Demand = 0.26 AF/SFE Commercial Demand = 25 GPY/Sf Indoor commercial Demand in Phase II is based on Density of Commercial in Phase I

(3.5 Acre Lots)
(0.19 AF/sf Indoor + 0.13 AF/sf Indoor for Imgation)
(0.19 AF/sf Indoor + 2 ft/sf-vegetation/Year with 300,000 sf vegetation)
(20 GPY/sf Indoor + 5 GPY/sf Indoor for Imgation)

Appendix A: 4-Way Ranch Overall Projected Wastewater Loads for Phases I & II

PHASE I							
Parcel Description	# of Lots	Land Use	Land Area (Acres)	Commercial (SF Indoor)	Single Family Equivalent (SFE)	Average Daily Flow (GPD)	Max Daily Flow (GPD)
Filing 1 Residential Lots - Tract A	42	Residential Commercial	135.12 0.57	3,000	0-	0 133	0 53 0
Filing 2 Parcel 1 Residential Parcel 2	200	Commercial Mutifamity Commercial	27.73 3.79	43.400	200 4 4	1,925 37,000 754	2.214 42.550 867
Parcel 5 Parcel 4 Parcel 5		warenouse/Juiny Commercial Medical Professional Office Neighborhood Commercial	1,43 13,48 5,59 5,59	156.300 53,100 50,600	4 7 5 5 7 4	798 6,933 2,355 2,245	918 7.973 2.709 2.581
Filing 3 Filing 4	175 175	Residential Residential Subtotals	127.82 136.45 459.60	341,400	175 175 632	32.375 32.375 116.894	37,231 37,231 134 428
PHASE II Parcel Description	# of Lots	Land Use	Land Area (Acres)	Commercial (SF Indoor)	Single Family Equivalent (SFE)	Average Daily Flow (GPD)	Max Daily Flow (GPD)
Residential Lots Commercial	2531	Residential Commercial	0.00 23.80	134.950	2531 32	468,235 5,986	538,470 6.884
Commercial Treatment Facility		Commercial Utility	10.40	125,877	- 30	5.584 185	6.421 213
Parks	2	Recreation				185	213

Notes:

We recommend that for wastewater planning, a net addition of 118 equivalent taps be planned for in the Phase One lift station The net harding additionants is as follows:

Residential Demand for Filings 2. 3. 4, and Phase Ii = 185 GPD/SFE Commercial Demand = SFE calculated from overalt water demand

686,629 720,960 552,201

597,069 626,922 480,175

Plus 5%

2596 3227

260,827 602227

516.00 56.40

Subtotals TOTALS

equivalent taps be planned for in the Phase One lift station The net phasing adjustment is as follows:			ilit I Austra
s be planned for in the Phase Or ng adjustment is as follows:	he lift station		Sincle East
s be planned for in ng adjustment is at	the Phase Or	s follows:	
s S	e planned for in	id ustment is as	
iivalent tap net phasi	ivalent taps be	: net phasing a	

	Max Daily Flow (GPD)	159.532	527.096
10000 00 00000 00 000000	Average Daily Flow (GPD)	138,724	458,345
	Single Family Equivalent (SFE)	750	2,478
THE HEI DIROUND AN INSTITUTE IS AS TOULOWS.	1	Phase One Sewer Basin	Phase Two Sewer Basin

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Appendix B

4

Appendix B Summary of Groundwater Determination and Findings of Water Supply 4 Way Ranch

Aquifer	100 Year	300 Year	Augmentation	Reduced by
	Withdrawl	Withdrawl		Existing Well Permit
Dawson NT (Area B)	816	272	None	Reduced by Existing permits
Dawson NNT ( Area A)	1643	548	Replacement Plan	Reduced by Existing permits
Dawson NNT( Area C)	147	49	Replacement Plan	Reduced by Existing permits
Denver NT (Area A)	881	294	None	None
Denver NNT (Area B)	2593	864	4%	Reduced by Existing permits
Laramie-Fox Hills NT	2429	810	None	None
Arapahoe	2615	872	None	None

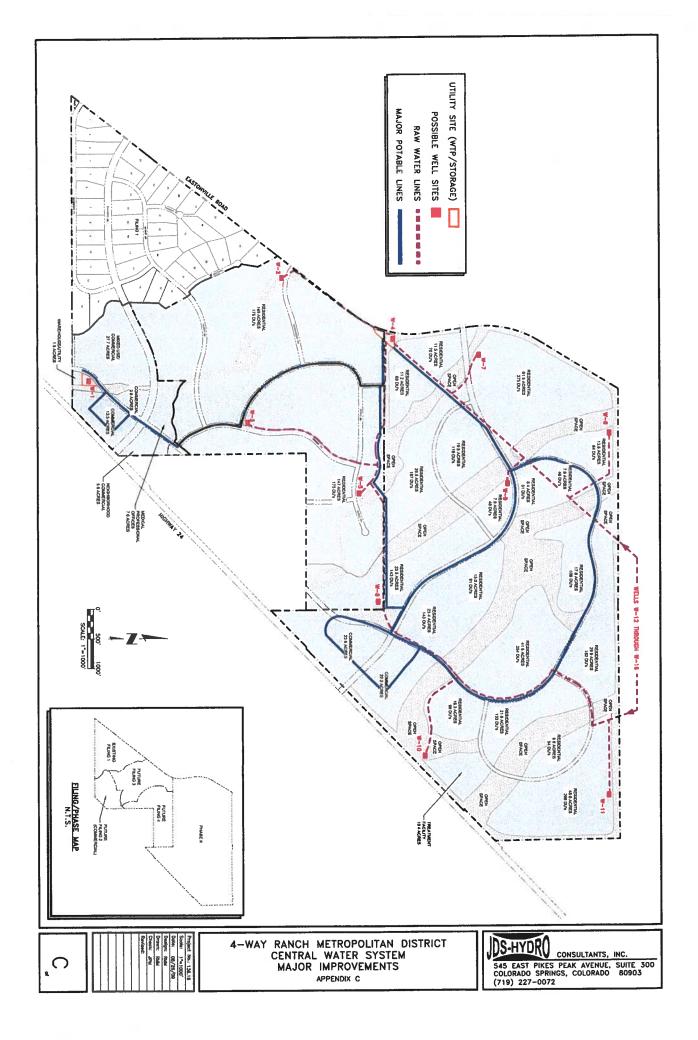
Total 8509 State Engineer 100 Year Finds

3708 El Paso County 300 Year Finds

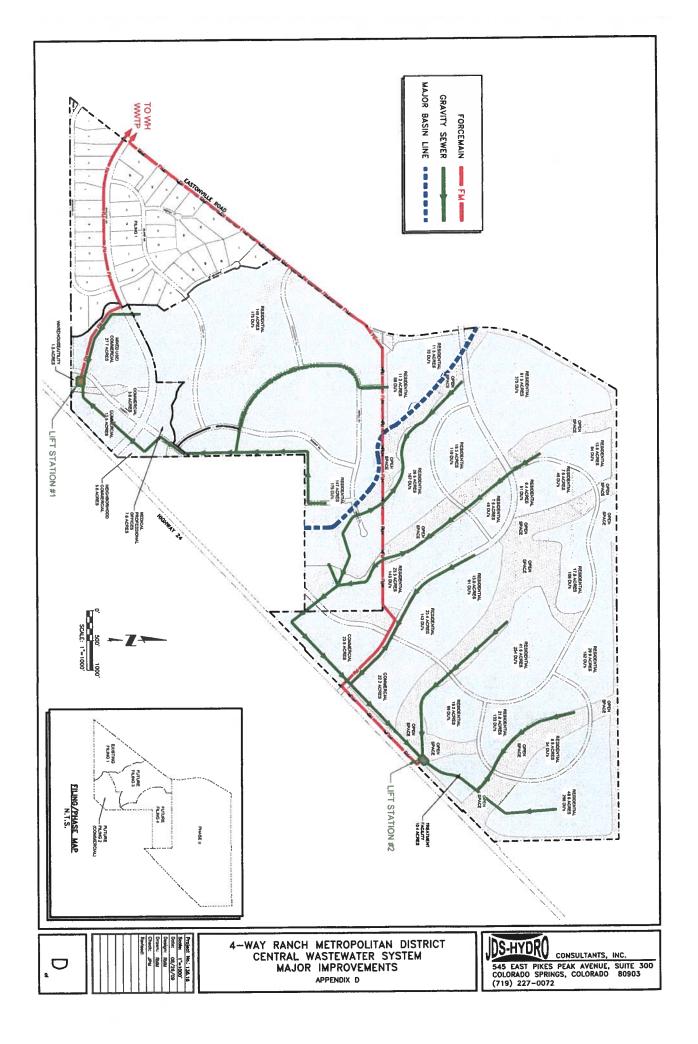
Total

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Appendix C



Appendix D .



Appendix E

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Facil	etro
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Water	Ranci
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Improvement		Build when SFF=	Car	Capital Cost	Disti	Distribution/ Transmission	Comments
Phase One			i		ſ		
Stage 1 Central Water (Existing)	300 GPM	000	n N	2.100,000 51 928 928	A	•	Existing includes orstribution/transmisson Note: To order to ermolific advisite use allowated an evenesse cost of rain mater line
	Well Site #2	200	<u>ي</u>	S1 145,482	S	1.222.874	extension to each well site. As we worked through the raw water lines, it acceases that
	Well Site #3	400	S1.	S1,145,482	S	1.222.874	it is a very reasonable estimate
	Well Site #4	600	S.	\$1.145,482	S	1.222.874	
			\$7,	\$7,465,394	s	3,668,621	
Phase Two							
Stage 3 Central Water Treatment	650 GPM	200	S3.	\$3,389,068			Superstructure for Stage 4 is constructed at this time. A separate site is an option for FP 3
Storage 1.75 MG		700	S1.	\$1,347,306			Storage may be most dependent on commercial fire need-could go sooner depending
	Well Site #5	800	S1.	S1, 145, 482	Ś	1,222,874	on the exact nature of commercial development in Phase One
	Well Site #6	1000	S1.	S1.145.482	S	1.222.874	Options for recharge/exchange start becoming considerations
	Well Site #7	1260	S1.	\$1.466.217		1.589,736	At well sites 7 and $u\omega$ , an additional well into Denver or Dawson would be drilled
	Well Site #8	1520	S1.	S1.466.217		1.589,736	
Stage 4 Central Water Treatment	1000 GPM	1700	<b>S</b> 3.	S3.219.614			Equipment Only with some external Superstructure in place with Stage 3
	Well Site #9	1780	S1.	S1,466.217		1.589,736	
	Well Site #11	2040	£1,	\$1,466,217		1.589.736	
	Well Site #12	2300	S1.	\$1.466.217		1,589,736	
	Well Site #13	2560	ŝ	\$1,466,217		1.589.736	
	Well Site #14	2820	S1.	S1.466.217		1.589,736	
~~	Well Site #15	3080	S1,	S1,466,217		1,589,736	
	Well Site #16	3340	S1,	S1,466,217		1,589,736	
			\$23	<b>\$</b> 23,442,906	\$	16,753,368	

Since the lingureer has no control over the cost of labor, materials or equipment, or over the Contractor's method of determining prices, or over competitive bidding or market conditions. Ins opiniens of probable construction cost provided for herein are made on the basit of fuls experience and qualifications. These opinions represent his best judgment as a design professional familiar with the construction industry. However, the Engineer cannot and does not guarance that proposals, hids, or the construction cost with the construction industry. However, the Engineer cannot and does not guarance that proposals, hids, or the construction cost will not vary from opinions of probable cost propared by him.

Overall Wastewater Facilities Spreadsheet 4-Way Ranch Metropolitan District)s

b

Improvement	Build when SFE=	Capital Cost 2009 Dollars		Collection/ Trunk Sewers	Comments
Phase One					
Lift Station/Force Main #1	0	69	1 333 007 \$	'	
Collection/Trunk Mains	0		0)	1.858.716	1.858.716 Note: In order to simplify anlysis, we allocated an average cost of collection and
Pump Upgrades	175	ŝ	322.465		irunk mains per 350 SFE
Collection/Trunk Mains	350		и	1,858.716	
	Phase One	\$	655,472 \$	1,655,472 \$ 3,717,431	
Phase Two					
Lift Station Force Main #2	700	S 5	2.851.818		Lift Statton Number 2
Collection/Trunk Mains	700			1,858,716	
Collection/Trunk Mains	1050		41	1.858.716	
Collection/Trunk Mains	1400		69	1,858.716	
Collection/Trunk Mains	1750		θ,	1,858.716	
Collection/Trunk Mains	2100		03	1,858.716	
Collection/Trunk Mains	2450		63	1.858,716	
Collection/Trunk Mains	2800		69	1.858.716	
Collection/Trunk Mains	3150		в	1.858.716	
	Phase Two	\$	2,851,818 \$	14,869,725	

Since the Engineer has no control over the cost of Isbot, materials or countent, or over the Contractor's method of determining prices, or over competitive bidding or marker conditions. It is opmoors of probable construction cost provided for herein are made on the basis of his experience and qualifications. These opmions represent his best judgment as a design professional familiar with the construction undustry. However, the Engineer enmot and does not guarantee that proposals, bids, or the construction cost will not vary from opmions of probable cost prepared by him

#### Appendix E

6

## Cost Estimate for Phase I Stage 2 Central Water Facilities Owner: 4 -Way Ranch Metropolitan District)s

ltem			Unit	Itėm
Well Sites (EACH)	Unit	Quan.	Cost	Total
I Arapahoe	LE	1,950	\$140.00	\$273,000
2 Arap. Completion	LS	1.950	\$89,000,00	\$89,000
3 Laramic Fox Hills	LIS	2,600		
4 LFH Completion	LS	2.600	\$140.00 \$122,000.00	\$364,000
5 Metering Vault	LS		\$41,500.00	\$122,000 \$41,500
6 Yard Piping/Grading	LS		\$17,000,00	\$17,000
7 Power	LS	1	\$45,000.00	\$45,000
8 Unused	LS	0	\$0.00	\$0
9 Unused	LS	0	\$0.00	\$0
Raw Water Pipelines Phase One			Subtotal	\$951,500
10 4 Inch PVC Water Line	LF	4,900	\$23.00	\$112,700
11 4 Inch Valves	EA	7	\$700,00	\$4,900
12 6 Inch PVC Water Line	LA	200	\$33.00	
13 6 Inch Valves			1 1	\$6,600
14 10 Inch PVC Water Line	EA LF	4	\$950,00	\$3,800
	22	2,400	\$45.00	\$108,000
15 10 Inch Valves 16 Unused	EA	4	\$1,300.00	\$5,200
	LF	0	\$0.00	\$0
			Subtotal	\$241,200
	One	well Site plus	1/3 Raw water lines	\$1,031,820
			Contingency	\$103,182
			Permitting/Design r 1 LFII and 1 Arap	\$90,800 \$1,145,482
		Far Wel	۲ ۲ Sites 2, 3, and 4	\$3,436,446
Freatment/Pumping	1	10/ 1/01	1 Biles 2, 5, and 4	23,430,440
1 Superstructure	LE	1,200	\$235.00	\$282,000
2 Treatment 2) 150 GPM	LS	1	\$353,000.00	\$353.000
3 Contact Tanks	LS		\$97,500,00	\$97,500
4 Sodium Hypochlorite	LS		\$29,500.00	\$29,500
5 Ph Control	LS	1	\$15,500.00	\$15,500
6 Interior Piping	LS		\$167,500.00	\$167.500
7 Controls	LS	× .	\$55,000.00	\$25,000
8 Electrical	LS		\$96,500.00	\$96,500
9 Backwash Tank	LS		\$135,000.00	\$135,000
10 Direct feed VFD Booster System	LS	л 1	\$177,500.00	\$177,500
11 Control Valves/Meters	LS		\$26,000,00	\$26,000
12 Yard Piping	LS	1	\$35,000.00	\$35,000
13 Site Work	LS		\$45,000,00	\$45,000
14 Miscellaneous	LS		\$55,000.00	\$55,000
16 Unused	LS	0	\$0.00	\$35,000 \$0
			Subtotal	\$1,540,000
10 %	Construction	Contingency	• •	\$154,000
	esign/Bidding			\$169,400
		Misc		\$18,500
	Construction	Engineering	. 8	\$47,048
PROJECT TOTAL				\$1,928,948

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and qualifications. These opinions represent his best judgment as a design professional familiar with the construction industry. However, the

Engineer cannot and does not guarantee that proposals, bids, or the construction cost will not vary from opinions of probable cost prepared by him

## Appendix E Cost Estimate for Phase Two Stage 3 Treatment Owner: 4 -Way Ranch Metropolitan District)s

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			Unit	Item
Item	Unit	Quan.	Cost	Total
Stage 3 Treatment				
Treatment/Pumping				
1 Superstructure	LP	3,750	\$185,00	\$693,750
2 Treatment 2) 325 GPM System	LS	1	\$842,000.00	\$842,000
3 Concrete Contact Laborinth	LS	1	\$126,000.00	\$126,000
4 Sodium Hypochlorite	LS	1	\$36,000.00	\$36,000
5 Ph Control	LS	1	\$25,500,00	\$25,500
6 Interior Piping	LS	1	\$167,500.00	\$167,500
7 Controls	LS	1	\$154,000.00	\$25,000
8 Electrical	LS	1	\$205,000.00	\$205,000
9 Open Concrete Backwash Tank	LS	1	\$135,000.00	\$135,000
10 Direct feed VFD Booster System *	LS	1	\$152,000.00	\$152,000
11 Control Valves/Meters	LS	1	\$53,000,00	\$53,000
12 Yard Piping	LS	1	\$99,000,00	\$99,000
13 Site Work	LS	1	\$66,000.00	\$66,000
14 Miscellancous	LS		\$75,000.00	\$75.000
15 Unused	LS	0	\$0.00	50
16 Unused	LS	0	\$0.00	50
		19	Subtotal	\$2,700,750
* Expansion to Plant #2	• • • • •	L		
	Constr	uction Total		\$2,700,750
10 %	6 Construction	Contingency		\$270,075
	Design/Bidding	Engineering		\$297,083
		Misc		\$38,500
	Construction			\$82,660
PROJECT TOTAL				\$3,389,068

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#### Appendix E

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#### Cost Estimate for Phase Two Stage 4 Treatment Owner: 4 -Way Ranch Metropolitan District)s

			Unit	Item
Item	Únit	Quan.	Cost	Total
Stage 4 Treatment	С.			
Treatment/Pumping				
1 Superstructure*	LS	1	\$50,000.00	\$50,000
2 Treatment 3) 350 GPM System	LS	1	\$1,210,000.00	\$1,210,000
3 Expand Concrete Contact Laborinth	LS	1	\$225,000.00	\$225,000
4 Sodium Hypochlorite	LS	1	\$36,000.00	\$36,000
5 Ph Control	LS	1	\$25,500.00	\$25,500
6 Interior Piping	LS	1	\$250,000.00	\$250,000
7 Controls	LS	1	\$195,000.00	\$25,000
8 Electrical	LS	1	\$285,000,00	\$285,000
9 Open Concrete Backwash Tank (double)	LS	1	\$135,000.00	\$135,000
10 Direct feed VFD Booster System **	LS	1	\$195,000.00	\$195,000
11 Control Valves/Meters	LS	I	\$53,000,00	\$53,000
12 Yard Piping	LS	1	\$35,000.00	\$35,000
13 Site Work	LS	1	\$35,000.00	\$35,000
14 Miscellaneous	LS	ł	\$50,000.00	\$50,000
15 Unused	LS	0	\$0,00	\$0
16 Umised	LS	0	\$0.00	\$0
			Subtotal	\$2,609,500
* Modifications only	·		LI	· · · · · · · · · · · · · · · · · · ·
** Move system into P-3	Constr	uction Total		\$2,609,500
10 % (	Construction (	Contingency		\$260,950
De	sign/Bidding	Engineering		\$287,045
		Misc		\$38,500
(	Construction			\$79,900
PROJECT TOTAL			Г	\$3,275,895

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## Appendix E Cost Estimate for Phase Two--1.75 Million Gallon Tank Owner: 4 -Way Ranch Metropolitan District)s

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	Item	. Unit	Quan.	Unit Cost	Item Total
Stori	nge				
1	1.75 MGT Steel Butt-welded	LS	1	\$717,500.00	\$717,500
2	Site Work	LS	1	\$55,000.00	\$55,000
3	Yard Piping	LS	L.	\$47,000,00	\$47,000
4	Foundation \cdots	LS	1	\$210,000.00	\$210,000
5	Miscellaneous	LS	1	\$25,000.00	\$25,000
6	Unused	LS	0	\$0.00	\$0
7	Unused	LS	0	\$0.00	\$0
8	Unused	LS	0	\$0.00	\$0
9	Unused	LS	0	\$0.00	\$0
		_		Subtotal	\$1,054,500
		Const	ruction Total		\$1,054,500
	10 s	% Construction	Contingency		\$105,450
		Design/Bidding			\$115,995
			Mise		\$38,500
		Construction	Engineering		\$32,861
	PROJECT TOTAL		a		\$1,347,306

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# Appendix E Cost Estimate for Transmission /Distribution Owner: 4 -Way Ranch Metropolitan District)s

			Unit	Item
Item	Unit	Quan.	Cost	Total
Phase Two Transmission Lines				
1 16 Inch Lines	LF	10,900	\$72.00	\$784,800
2 16 Inch Valves	EA	27	\$3,700.00	\$100,825
3 12 Inch Lines	LF	7,200	\$57.00	\$100,825 \$410,400
4 12 Inch Valves	ĔĂ	36	\$2,100.00	\$75,600
5 Fire Hydrants	EA	30	\$3,000.00	\$90,000
6 Unused	LS	0	\$0.00	\$0 \$0
7 Unused	LS	0	\$0.00	SO
8 Unused	LS	0	\$0.00	SO
9 Unused	LS	0	\$0.00	S0
		<u> </u>	Subtotal	\$1,461,625
	10 % Construction	Contingency		\$146,163
	Design/Bidding			\$80,389
		Misc		\$15,000
			\$32,156	
	Construction	Enginooring		
	Construction			
	Phase Two Trans	misson Total		\$1,735,333
	Phase Two Trans Divided by 2	misson Total 800 SFEs		\$1,735,333 \$620
	Phase Two Trans	misson Total 800 SFEs		\$1,735,333 \$620
art Distribution Area 128 late	Phase Two Trans Divided by 2	misson Total 800 SFEs		\$1,735,333 \$620
est Distribution Area 128 lots	Phase Two Trans Divided by 2 Multiply by 2	misson Total 800 SFEs 200 SFE		\$1,735,333 \$620 \$123,952
1 8 Inch PVC Water Linc	Phase Two Trans Divided by 2 Multiply by 2 LF	misson Total 800 SFEs 200 SFE 10,200	\$37.00	\$1,735,333 \$620 \$123,952 \$377,400
<ol> <li>8 Inch PVC Water Line</li> <li>8 Inch Gate Valves</li> </ol>	Phase Two Trans Divided by 2 Multiply by 2 LF EA	misson Total 800 SFEs 200 SFE 10,200 68	\$37.00 \$1,050.00	\$1,735,333 \$620 \$123,952 \$377,400 \$71,400
<ol> <li>8 Inch PVC Water Linc</li> <li>8 Inch Gate Valves</li> <li>Fire hydrants</li> </ol>	Phase Two Trans Divided by 2 Multiply by 2 LF EA EA	misson Total 800 SFEs 200 SFE 10,200 68 24	\$37.00 \$1,050.00 \$3,000.00	\$1,735,333 \$620 \$123,952 \$377,400 \$71,400 \$72,000
<ol> <li>8 Inch PVC Water Line</li> <li>8 Inch Gate Valves</li> <li>Fire hydrants</li> <li>4 Services</li> </ol>	Phase Two Trans Divided by 2 Multiply by 2 LF EA EA EA	misson Total 800 SFEs 200 SFE 10,200 68 24 128	\$37.00 \$1,050.00 \$3,000.00 \$500.00	\$1,735,333 \$620 \$123,952 \$377,400 \$71,400 \$72,000 \$64,000
<ol> <li>8 Inch PVC Water Line</li> <li>8 Inch Gate Valves</li> <li>Fire hydrants</li> <li>Services</li> <li>Unused</li> </ol>	Phase Two Trans Divided by 2 Multiply by 2 LF EA EA	misson Total 800 SFEs 200 SFE 10,200 68 24	\$37.00 \$1,050.00 \$3,000.00	\$1,735,333 \$620 \$123,952 \$377,400 \$71,400 \$72,000
<ol> <li>8 Inch PVC Water Line</li> <li>8 Inch Gate Valves</li> <li>Fire hydrants</li> <li>Services</li> <li>Unused</li> </ol>	Phase Two Trans Divided by 2 Multiply by 2 LF EA EA EA	misson Total 800 SFEs 200 SFE 10,200 68 24 128	\$37.00 \$1,050.00 \$3,000.00 \$500.00	\$1,735,333 \$620 \$123,952 \$377,400 \$71,400 \$72,000 \$64,000
<ol> <li>8 Inch PVC Water Line</li> <li>8 Inch Gate Valves</li> <li>Fire hydrants</li> <li>Services</li> <li>Unused</li> </ol>	Phase Two Trans Divided by 2. Multiply by 2 LF EA EA EA EA LS	misson Total 800 SFEs 200 SFE 10,200 68 24 128 0	\$37.00 \$1,050.00 \$3,000.00 \$500.00 \$0.00	\$1,735,333 \$620 \$123,952 \$377,400 \$71,400 \$71,400 \$72,000 \$64,000 \$0
<ol> <li>8 Inch PVC Water Line</li> <li>8 Inch Gate Valves</li> <li>Fire hydrants</li> <li>Services</li> <li>Unused</li> </ol>	Phase Two Trans Divided by 2. Multiply by 2 LF EA EA EA EA LS	misson Total 800 SFEs 200 SFE 10,200 68 24 128 0 0	\$37.00 \$1,050.00 \$3,000.00 \$500.00 \$0.00 \$0.00	\$1,735,333 \$620 \$123,952 \$377,400 \$71,400 \$72,000 \$64,000 \$0 \$0 \$0 \$0
<ol> <li>8 Inch PVC Water Line</li> <li>8 Inch Gate Valves</li> <li>Fire hydrants</li> <li>Services</li> <li>Unused</li> </ol>	Phase Two Trans Divided by 2. Multiply by 2 LF EA EA EA LS LS LS	misson Total 800 SFEs 200 SFE 10,200 68 24 128 0 0 0 Contingency	\$37.00 \$1,050.00 \$3,000.00 \$500.00 \$0.00 \$0.00	\$1,735,333 \$620 \$123,952 \$377,400 \$71,400 \$72,000 \$64,000 \$0 \$0 \$0 \$0 \$584,800
<ol> <li>8 Inch PVC Water Line</li> <li>8 Inch Gate Valves</li> <li>Fire hydrants</li> <li>Services</li> <li>Unused</li> </ol>	Phase Two Trans Divided by 2. Multiply by 2 LF EA EA EA LS LS 10 % Construction	misson Total 800 SFEs 200 SFE 10,200 68 24 128 0 0 0 Contingency	\$37.00 \$1,050.00 \$3,000.00 \$500.00 \$0.00 \$0.00	\$1,735,333 \$620 \$123,952 \$377,400 \$71,400 \$72,000 \$64,000 \$0 \$0 \$0 \$0 \$58,4,800 \$58,480
<ol> <li>8 Inch PVC Water Line</li> <li>8 Inch Gate Valves</li> <li>Fire hydrants</li> <li>Services</li> <li>Unused</li> </ol>	Phase Two Trans Divided by 2. Multiply by 2 LF EA EA EA LS LS 10 % Construction	misson Total 800 SFEs 200 SFE 10,200 68 24 128 0 0 0 Contingency Engineering Misc	\$37.00 \$1,050.00 \$3,000.00 \$500.00 \$0.00 \$0.00	\$1,735,333 \$620 \$123,952 \$377,400 \$71,400 \$72,000 \$64,000 \$0 \$0 \$0 \$0 \$0 \$58,4,800 \$58,480 \$32,164
<ol> <li>8 Inch PVC Water Line</li> <li>8 Inch Gate Valves</li> <li>Fire hydrants</li> <li>Services</li> <li>Unused</li> </ol>	Phase Two Trans Divided by 2. Multiply by 2 LF EA EA EA LS LS 10 % Construction Design/Bidding	misson Total 800 SFEs 200 SFE 10,200 68 24 128 0 0 0 Contingency Engineering Misc Engineering	\$37.00 \$1,050.00 \$3,000.00 \$500.00 \$0.00 \$0.00	\$1,735,333 \$620 \$123,952 \$377,400 \$71,400 \$72,000 \$64,000 \$0 \$0 \$0 \$0 \$584,800 \$584,800 \$58,480 \$32,164 \$15,000 \$12,866
<ol> <li>8 Inch PVC Water Line</li> <li>8 Inch Gate Valves</li> <li>Fire hydrants</li> <li>4 Services</li> <li>5 Unused</li> </ol>	Phase Two Trans Divided by 2. Multiply by 2 LF EA EA EA LS LS 10 % Construction Design/Bidding Construction Phase Two Trans	misson Total 800 SFEs 200 SFE 10,200 68 24 128 0 0 0 Contingency Engineering Misc Engineering misson Total	\$37.00 \$1,050.00 \$3,000.00 \$500.00 \$0.00 \$0.00	\$1,735,333 \$620 \$123,952 \$377,400 \$71,400 \$72,000 \$64,000 \$0 \$0 \$0 \$0 \$58,4800 \$58,480 \$32,164 \$15,000 \$12,866 \$703,310
<ol> <li>8 Inch PVC Water Line</li> <li>8 Inch Gate Valves</li> <li>Fire hydrants</li> <li>4 Services</li> <li>5 Unused</li> </ol>	Phase Two Trans Divided by 2. Multiply by 2 LF EA EA EA LS LS 10 % Construction Design/Bidding Construction Phase Two Trans Divided by 12	misson Total 800 SFEs 200 SFE 10,200 68 24 128 0 0 Contingency Engineering Misc Engineering misson Total 28 SFEs	\$37.00 \$1,050.00 \$3,000.00 \$500.00 \$0.00 \$0.00	\$1,735,333 \$620 \$123,952 \$377,400 \$71,400 \$72,000 \$64,000 \$0 \$0 \$0 \$0 \$584,800 \$584,800 \$58,480 \$32,164 \$15,000 \$12,866

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### Appendix E Cost Estimate for Phase One Lift Station and Force Main Owner: 4 -Way Ranch Metropolitan District)s

20

Item	Unit	Quan.		Cost		Total
						0
	1 1	1	1			53,00
		1				187,00
		1				18,50
	1 1	1				27.30
	1 1	1				11,00
	1 1	I				93,00
•		I			1.1	27,50
		1				9,50
		I				17.00
				25,000.00		25,00
Unused	LS			8		•
		Sub	total C	onstruction	S	468,80
Lift Station Upgrade						
	1.5	1	\$	90.000.00	S	90.00
		1			- 626	15,00
		•				135,00
	1 1	1		2		20,00
		•		20.000.00	103	20,00
			1	-		-
Unused	1.5			-		-
	2	540	total C	oustruction	3	260,00
Foree Main						
	T.E.	12500	IS	39.00	S	487,50
			- 1	11	20	7,60
				200.00		1000
-				300.00		33,00
						23.00
		-	0.5			14,60
				420		
			1000	25,000,00		25,00
	20020			-		-
Jiusea	LS			040		+1
		Sub	total C	onstruction	\$	590,70
ing Installed		onstruction Tot	al		\$	1,319,50
- 24					282	\$131,950
		_				\$145,145
	17531611710		•			
	6					\$18,500
	Construc	tion Engineerfi	ng			\$40,377
	Lift Station         Wet Well & ft.         Pump Package         Controls         500 Gallon Bioxide System         Site Work         Auxiliary Storage 40,000 Gallon         Backup Power         Meter Pit         SCADA         Miscellaneous         Unused         Lift Station Upgrade         Upgrade Pumps         Controls Work         Auxilliary Storage (80000)         Miscellaneous         Unused         Miscellaneous         Unused         Force Main         6 inch         6 inch Valves         Eastonville Crossing *         Stapleton Crossing         North Channel Crossing         Air Vaes         Miscellaneous         Unused	Lift Station         Wet Well 8 fi.       L.S         Pump Package       L.S         Controls       L.S         500 Gallon Bioxide System       L.S         Site Work       L.S         Auxiliary Storage 40,000 Gallon       L.S         Backup Power       L.S         Meter Pit       L.S         SCADA       L.S         Miscellaneous       L.S         Umsed       L.S         Lift Station Upgrade       L         Upgrade Pumps       L.S         Controls Work       L.S         Auxilliary Storage (80000)       L.S         Miscellaneous       L.S         Unused       L.S         Unused       L.S         Force Main       L         6 inch       LF         6 inch       LF         Eastonville Crossing *       LF         Stapleton Crossing       LS         Miscellaneous       LS         Unused       LS         Unused       LS         Virused       LS         Virused       LS         Unused       LS         Unused       LS         Unused <td>Lift Station         Wet Well &amp; ft.       LS       1         Pump Package       LS       1         Controls       LS       1         Store Work       LS       1         Auxiliary Storage 40,000 Gallon       1.S       1         Backup Power       1.S       1         Meter Pit       LS       1         SCADA       1.S       1         Miscellaneous       1.S       0         Unused       LS       1         Lift Station Upgrade       I       S         Upgrade Pumps       1.S       1         Controls Work       1.S       1         Auxilliary Storage (80000)       1.S       1         Miscellaneous       LS       1         Unused       LS       0       0         Unused       LS       0       0         Vinused       LS       0       0         Vinused       LS       10       0         Kerree Main       1.S       110       0         6 inch       LF       8       2         6 inch       LF       8       2         Miscellaneous       LS       <t< td=""><td>Lift Station           Wet Well &amp; ft.         LS         1         \$           Pump Package         LS         1         \$           Controls         LS         1         \$           Stot Gallon Bioxide System         LS         1         \$           Site Work         LS         1         \$           Auxiliary Storage 40,000 Gallon         LS         1         \$           Backup Power         LS         1         \$           Meter Pit         LS         1         \$           SCADA         LS         1         \$           Miscellaneous         1.S         0         \$           Unused         LS         1         \$           Upgrade Pumps         LS         1         \$           Controls Work         LS         1         \$           Auxilliary Storage (80000)         1.S         1         \$           Unused         LS         0         \$         \$           Unused         LS         0         \$         \$           Unused         LS         0         \$         \$           Force Main         1.S         1         \$         <t< td=""><td>Lift Station           Wet Well &amp; fi.         LS         1         \$ 53,000.00           Pump Package         LS         1         \$ 187,000.00           Controls         LS         1         \$ 187,000.00           Ste Work         LS         1         \$ 18,500.00           Ste Work         LS         1         \$ 27,300.00           Auxiliary Storage 40,000 Gallon         L.S         1         \$ 27,500.00           Backup Power         LS         1         \$ 27,500.00           Meter Pit         LS         1         \$ 17,000.00           SCADA         LS         1         \$ 17,000.00           Miscellaneous         LS         0         \$ 25,000.00           Unused         LS         0         \$ 25,000.00           Unused         LS         1         \$ 15,000.00           Controls Work         LS         1         \$ 15,000.00           Auxillary Storage (80000)         LS         1         \$ 15,000.00           Miscellaneous         LS         1         \$ 20,000.00           Unused         LS         0         \$ -           Subtotal Construction         S         -         Subtotal Construction     <!--</td--><td>Lift Station         Lift Station           Wet Well &amp; ft.         L.S         1         \$ 53,000,00         \$           Controls         L.S         1         \$ 187,000,00         \$           Store Work         L.S         1         \$ 187,000,00         \$           Store Work         L.S         1         \$ 27,300,00         \$           Stice Work         L.S         1         \$ 27,300,00         \$           Maxiliary Storage 40,000 Gallon         1.S         1         \$ 27,500,00         \$           Backup Power         1.S         1         \$ 27,500,00         \$           Meter Pri         L.S         1         \$ 93,000,00         \$           SCADA         L.S         1         \$ 93,000,00         \$           SCADA         L.S         1         \$ 93,000,00         \$           Miscellaneous         1.S         0         \$ - S         \$           Ungerde         U         S         1         \$ 10,000,00         \$           Liff Station Upgrade         U         S         1         \$ 20,000,00         \$           Ungerde Pomps         L.S         1         \$ 15,000,00         \$         \$</td></td></t<></td></t<></td>	Lift Station         Wet Well & ft.       LS       1         Pump Package       LS       1         Controls       LS       1         Store Work       LS       1         Auxiliary Storage 40,000 Gallon       1.S       1         Backup Power       1.S       1         Meter Pit       LS       1         SCADA       1.S       1         Miscellaneous       1.S       0         Unused       LS       1         Lift Station Upgrade       I       S         Upgrade Pumps       1.S       1         Controls Work       1.S       1         Auxilliary Storage (80000)       1.S       1         Miscellaneous       LS       1         Unused       LS       0       0         Unused       LS       0       0         Vinused       LS       0       0         Vinused       LS       10       0         Kerree Main       1.S       110       0         6 inch       LF       8       2         6 inch       LF       8       2         Miscellaneous       LS <t< td=""><td>Lift Station           Wet Well &amp; ft.         LS         1         \$           Pump Package         LS         1         \$           Controls         LS         1         \$           Stot Gallon Bioxide System         LS         1         \$           Site Work         LS         1         \$           Auxiliary Storage 40,000 Gallon         LS         1         \$           Backup Power         LS         1         \$           Meter Pit         LS         1         \$           SCADA         LS         1         \$           Miscellaneous         1.S         0         \$           Unused         LS         1         \$           Upgrade Pumps         LS         1         \$           Controls Work         LS         1         \$           Auxilliary Storage (80000)         1.S         1         \$           Unused         LS         0         \$         \$           Unused         LS         0         \$         \$           Unused         LS         0         \$         \$           Force Main         1.S         1         \$         <t< td=""><td>Lift Station           Wet Well &amp; fi.         LS         1         \$ 53,000.00           Pump Package         LS         1         \$ 187,000.00           Controls         LS         1         \$ 187,000.00           Ste Work         LS         1         \$ 18,500.00           Ste Work         LS         1         \$ 27,300.00           Auxiliary Storage 40,000 Gallon         L.S         1         \$ 27,500.00           Backup Power         LS         1         \$ 27,500.00           Meter Pit         LS         1         \$ 17,000.00           SCADA         LS         1         \$ 17,000.00           Miscellaneous         LS         0         \$ 25,000.00           Unused         LS         0         \$ 25,000.00           Unused         LS         1         \$ 15,000.00           Controls Work         LS         1         \$ 15,000.00           Auxillary Storage (80000)         LS         1         \$ 15,000.00           Miscellaneous         LS         1         \$ 20,000.00           Unused         LS         0         \$ -           Subtotal Construction         S         -         Subtotal Construction     <!--</td--><td>Lift Station         Lift Station           Wet Well &amp; ft.         L.S         1         \$ 53,000,00         \$           Controls         L.S         1         \$ 187,000,00         \$           Store Work         L.S         1         \$ 187,000,00         \$           Store Work         L.S         1         \$ 27,300,00         \$           Stice Work         L.S         1         \$ 27,300,00         \$           Maxiliary Storage 40,000 Gallon         1.S         1         \$ 27,500,00         \$           Backup Power         1.S         1         \$ 27,500,00         \$           Meter Pri         L.S         1         \$ 93,000,00         \$           SCADA         L.S         1         \$ 93,000,00         \$           SCADA         L.S         1         \$ 93,000,00         \$           Miscellaneous         1.S         0         \$ - S         \$           Ungerde         U         S         1         \$ 10,000,00         \$           Liff Station Upgrade         U         S         1         \$ 20,000,00         \$           Ungerde Pomps         L.S         1         \$ 15,000,00         \$         \$</td></td></t<></td></t<>	Lift Station           Wet Well & ft.         LS         1         \$           Pump Package         LS         1         \$           Controls         LS         1         \$           Stot Gallon Bioxide System         LS         1         \$           Site Work         LS         1         \$           Auxiliary Storage 40,000 Gallon         LS         1         \$           Backup Power         LS         1         \$           Meter Pit         LS         1         \$           SCADA         LS         1         \$           Miscellaneous         1.S         0         \$           Unused         LS         1         \$           Upgrade Pumps         LS         1         \$           Controls Work         LS         1         \$           Auxilliary Storage (80000)         1.S         1         \$           Unused         LS         0         \$         \$           Unused         LS         0         \$         \$           Unused         LS         0         \$         \$           Force Main         1.S         1         \$ <t< td=""><td>Lift Station           Wet Well &amp; fi.         LS         1         \$ 53,000.00           Pump Package         LS         1         \$ 187,000.00           Controls         LS         1         \$ 187,000.00           Ste Work         LS         1         \$ 18,500.00           Ste Work         LS         1         \$ 27,300.00           Auxiliary Storage 40,000 Gallon         L.S         1         \$ 27,500.00           Backup Power         LS         1         \$ 27,500.00           Meter Pit         LS         1         \$ 17,000.00           SCADA         LS         1         \$ 17,000.00           Miscellaneous         LS         0         \$ 25,000.00           Unused         LS         0         \$ 25,000.00           Unused         LS         1         \$ 15,000.00           Controls Work         LS         1         \$ 15,000.00           Auxillary Storage (80000)         LS         1         \$ 15,000.00           Miscellaneous         LS         1         \$ 20,000.00           Unused         LS         0         \$ -           Subtotal Construction         S         -         Subtotal Construction     <!--</td--><td>Lift Station         Lift Station           Wet Well &amp; ft.         L.S         1         \$ 53,000,00         \$           Controls         L.S         1         \$ 187,000,00         \$           Store Work         L.S         1         \$ 187,000,00         \$           Store Work         L.S         1         \$ 27,300,00         \$           Stice Work         L.S         1         \$ 27,300,00         \$           Maxiliary Storage 40,000 Gallon         1.S         1         \$ 27,500,00         \$           Backup Power         1.S         1         \$ 27,500,00         \$           Meter Pri         L.S         1         \$ 93,000,00         \$           SCADA         L.S         1         \$ 93,000,00         \$           SCADA         L.S         1         \$ 93,000,00         \$           Miscellaneous         1.S         0         \$ - S         \$           Ungerde         U         S         1         \$ 10,000,00         \$           Liff Station Upgrade         U         S         1         \$ 20,000,00         \$           Ungerde Pomps         L.S         1         \$ 15,000,00         \$         \$</td></td></t<>	Lift Station           Wet Well & fi.         LS         1         \$ 53,000.00           Pump Package         LS         1         \$ 187,000.00           Controls         LS         1         \$ 187,000.00           Ste Work         LS         1         \$ 18,500.00           Ste Work         LS         1         \$ 27,300.00           Auxiliary Storage 40,000 Gallon         L.S         1         \$ 27,500.00           Backup Power         LS         1         \$ 27,500.00           Meter Pit         LS         1         \$ 17,000.00           SCADA         LS         1         \$ 17,000.00           Miscellaneous         LS         0         \$ 25,000.00           Unused         LS         0         \$ 25,000.00           Unused         LS         1         \$ 15,000.00           Controls Work         LS         1         \$ 15,000.00           Auxillary Storage (80000)         LS         1         \$ 15,000.00           Miscellaneous         LS         1         \$ 20,000.00           Unused         LS         0         \$ -           Subtotal Construction         S         -         Subtotal Construction </td <td>Lift Station         Lift Station           Wet Well &amp; ft.         L.S         1         \$ 53,000,00         \$           Controls         L.S         1         \$ 187,000,00         \$           Store Work         L.S         1         \$ 187,000,00         \$           Store Work         L.S         1         \$ 27,300,00         \$           Stice Work         L.S         1         \$ 27,300,00         \$           Maxiliary Storage 40,000 Gallon         1.S         1         \$ 27,500,00         \$           Backup Power         1.S         1         \$ 27,500,00         \$           Meter Pri         L.S         1         \$ 93,000,00         \$           SCADA         L.S         1         \$ 93,000,00         \$           SCADA         L.S         1         \$ 93,000,00         \$           Miscellaneous         1.S         0         \$ - S         \$           Ungerde         U         S         1         \$ 10,000,00         \$           Liff Station Upgrade         U         S         1         \$ 20,000,00         \$           Ungerde Pomps         L.S         1         \$ 15,000,00         \$         \$</td>	Lift Station         Lift Station           Wet Well & ft.         L.S         1         \$ 53,000,00         \$           Controls         L.S         1         \$ 187,000,00         \$           Store Work         L.S         1         \$ 187,000,00         \$           Store Work         L.S         1         \$ 27,300,00         \$           Stice Work         L.S         1         \$ 27,300,00         \$           Maxiliary Storage 40,000 Gallon         1.S         1         \$ 27,500,00         \$           Backup Power         1.S         1         \$ 27,500,00         \$           Meter Pri         L.S         1         \$ 93,000,00         \$           SCADA         L.S         1         \$ 93,000,00         \$           SCADA         L.S         1         \$ 93,000,00         \$           Miscellaneous         1.S         0         \$ - S         \$           Ungerde         U         S         1         \$ 10,000,00         \$           Liff Station Upgrade         U         S         1         \$ 20,000,00         \$           Ungerde Pomps         L.S         1         \$ 15,000,00         \$         \$

Since the Engineer has no control over the cost of labor, materials or equipment, or over the Contractor's method of determining prices, or over competitive bidding or market conditions, his opinions of probable construction cost provided for herein are made on the basis of his experience and qualifications. These opinions represent his best judgement as a design professional familiar with the construction industry. However, the Engineer cannot and does not guarantee that proposals, bids, or the construction cost will not vary from opinions of probable cost prepared by him.

### Appendix E Cost Estimate for Phase Two Lift Station and Force Main Owner: 4 -Way Ranch Metropolitan District)s

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	ltem	Unit	Quan.		Uniț Cost		ltem Total
	Lift Station						
1	Wet Well Custom	LS	1	S	116,000.00	S	116,000
2	Pump Package	LS	1	S	275,000.00	S	275,000
3	Dry Well - Superstructure	LS	I.	S	300,000.00		300,000
4	Controls	LS	1	\$	80,000.00	S	80,000
5	1000 Gallon Bioxide System	LS	I	\$	37,300.00	S	37,300
6	Site Work	LS	E	S	30,000.00	S	30,000
7	Auxiliary Storage 240,000 Gallon	LS	1	S	240,000.00	S	240,000
8	Backup Power	LS	1	\$	55,000,00	S	55,000
9	SCADA	L.S	I	\$	31,500.00	S	31,500
10	Miscellaneous	LS	ł	S	50,000.00	S	50,000
11	Unused	LS	0	\$	-	S	25,000
12	Unused	LS	0	S		S	-
			Subtotal Construction				1,239,800
	Force Main					1	
1	8" PVC C900 DR18	LF	19300	5	45.00	\$	868,500
2	8" Valves	EA	12	S	1,100.00	s	13,200
3	North Channel Crossing	LF	120	\$	55.00	S	6,600
	High Pressure Gasline Crossing	LF	20	s	150.00	Š	3,000
5	Londonderry Crossing *	LS	0	\$	1,0000	s	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
6	North Culvert Crossing	LS	₩ Î	S	15,000,00	s	15,000
7	South Culvert Crossing	LS	1	s	15,000.00	s	
8	Eastonville/Stapleton Crossing *	LS		s	13,000,00	1	15,000
9			1		-	\$	•
	Lambert Crossing	LF	60	5	300.00	\$	18,000
	Channel Crossing west of Lambert	L.F	200	\$	300,00	S	60,000
11	Air Vacs	EA	2	\$	7,500.00	S	15,000
12	Miscellaneous	LS	1	\$	30,000,00	S	30,000
			Sub	total C	onstruction	\$	1,044,300
• Ca	Casing Installed Construction Total						2,284,100
		10% Construct	ion Contingen	cy			\$228,410
			\$251,251				
			\$18,500				
		\$18,500 \$69,557					
	BBO (PC% 202 4)	in the second					
	PROJECT TOTAL					出得	\$2,851,818

Since the Engineer has no control over the cost of labor, materials or equipment, or over the Contractor's method of determining prices, or over competitive bidding or market conditions. his opinions of probable construction cost provided for herein are made on the basis of his experience and qualifications. These opinions represent his best judgement as a design professional familiar with the construction industry. However, the Engineer cannot and does not guarantee that proposals, bids, or the construction cost will not vary from opinions of probable cost prepared by him.

## Appendix E Cost Estimate for Wastewater Collection/Trunk Mains Owner: 4 -Way Ranch Metropolitan District)s

2 6

			Unit	Item				
Item	Unit	Quan.	Cost	Total				
Phase One and Two Trunk Lines								
1 15 luch PVC Sewer	LF	3,800	\$58.00	\$220.400				
2 5 ft Manholes	1.0	© 1		\$220,400				
3 12 Inch PVC Sewer	EA LF	13	\$3,600,00	\$45,600				
4 5 ft Manholes	EE	8,100 27	\$48.00	\$388,800				
5 Crossings		550	\$3,550.00 \$300.00	\$95,850				
6 Unused	LS	0	\$0.00	\$165,000 \$0				
7 Unused	LS	0	\$0.00	50 \$0				
8 Unused	LS	0	\$0.00	30 S0				
9 Unused	LS	0	\$0.00	30 S0				
2 Children	E0		Subtotal	\$915,650				
	10 % Construction	Continuonou	Subiotai					
	Design/Bidding	• •		\$91,565				
	Design/Ordunig			\$50,361				
		Misc		\$15,000				
	<i>.</i>		Construction Engineering					
				\$20,144				
Phas	e One and Two Trui	ik Line Total		\$1,092,720				
Phas	e One and Two Trui Divided by 3	tk Line Total 500 SFEs		\$1,092,720 \$390				
Phas	e One and Two Trui	tk Line Total 500 SFEs		\$1,092,720 \$390				
Phas Sest Collection Area 128 lots	e One and Two Trui Divided by 3	ik Line Total 500 SFEs 350 SFE		\$1,092,720 \$390				
est Collection Area 128 lots	e One and Two Trui Divided by 3 Multiply by 5	ik Line Total 500 SFEs 350 SFE	\$39.00	\$1,092,720 \$390				
est Collection Area 128 lats	e One and Two Trui Divided by 3 Multiply by 3	ik Line Total 500 SFEs 350 SFE		\$1,092,720 \$390 \$136,590				
<i>Sest Collection Area 128 lots</i> 1 8 Inch PVC Sewer	e One and Two Trua Divided by 3. Multiply by 3	1k Line Total 500 SFEs 350 SFE 9,900	\$39.00	\$1,092,720 \$390 \$136,590 \$386,100 \$91,450				
<i>Sest Collection Area 128 lots</i> 1 8 Inch PVC Sewer 2 Manholes	e One and Two Trut Divided by 3. <u>Multiply by 3</u> 1.F EA EA EA	1k Line Total 500 SFEs 350 SFE 9,900 31	\$39.00 \$2.950.00 \$350.00	\$1,092,720 \$390 \$136,590 \$386,100 \$91,450 \$44,800				
<i>est Collection Area 128 lots</i> 1 8 Inch PVC Sewer 2 Manholes 3 Services 4 Unused	e One and Two Trui Divided by 3 Multiply by 3 LF EA EA LS	1k Line Total 500 SFEs 350 SFE 9,900 31 128 0	\$39.00 \$2.950.00 \$350.00 \$0.00	\$1,092,720 \$390 \$136,590 \$386,100 \$91,450 \$44,800 \$0				
est Collection Area 128 lats 1 8 Inch PVC Sewer 2 Manholes 3 Services 4 Unused 5 Unused	e One and Two Trui Divided by 3. Multiply by 3 LF EA EA LS LS	1k Line Total 500 SFEs 350 SFE 9,900 31 128 0 0 0	\$39.00 \$2.950.00 \$350.00 \$0.00 \$0.00	\$1,092,720 \$390 \$136,590 \$386,100 \$91,450 \$44,800 \$0 \$0 \$0 \$0				
<i>est Collection Area 128 lots</i> 1 8 Inch PVC Sewer 2 Manholes 3 Services 4 Unused 5 Unused	e One and Two Trui Divided by 3 Multiply by 3 LF EA EA LS	1k Line Total 500 SFEs 350 SFE 9,900 31 128 0	\$39.00 \$2.950.00 \$350.00 \$0.00 \$0.00 \$0.00 \$0.00	\$1,092,720 \$390 \$136,590 \$386,100 \$91,450 \$44,800 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0				
est Collection Area 128 lats 1 8 Inch PVC Sewer 2 Manholes 3 Services 4 Unused 5 Unused	e One and Two Trui Divided by 3. Multiply by 3 L.F EA EA LS LS LS	1k Line Total 500 SFEs 350 SFE 9,900 31 128 0 0 0 0	\$39.00 \$2.950.00 \$350.00 \$0.00 \$0.00	\$1,092,720 \$390 \$136,590 \$386,100 \$91,450 \$44,800 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$50 \$50				
est Collection Area 128 lats 1 8 Inch PVC Sewer 2 Manholes 3 Services 4 Unused 5 Unused	e One and Two True Divided by 3. Multiply by 3 LF EA EA LS LS LS 10 % Construction	1k Line Total 500 SFEs 350 SFE 9,900 31 128 0 0 0 0 0 Contingency	\$39.00 \$2.950.00 \$350.00 \$0.00 \$0.00 \$0.00 \$0.00	\$1,092,720 \$390 \$136,590 \$386,100 \$91,450 \$44,800 \$0 \$0 \$0 \$0 \$0 \$50 \$522,350 \$522,350				
est Collection Area 128 lats 1 8 Inch PVC Sewer 2 Manholes 3 Services 4 Unused 5 Unused	e One and Two Trui Divided by 3. Multiply by 3 L.F EA EA LS LS LS	tk Line Total 500 SFEs 350 SFE 9,900 31 128 0 0 0 0 0 Contingency Engineering	\$39.00 \$2.950.00 \$350.00 \$0.00 \$0.00 \$0.00 \$0.00	\$1,092,720 \$390 \$136,590 \$386,100 \$91,450 \$44,800 \$0 \$0 \$0 \$0 \$522,350 \$522,350 \$522,350 \$52,235 \$28,729				
est Collection Area 128 lats 1 8 Inch PVC Sewer 2 Manholes 3 Services 4 Unused 5 Unused	e One and Two True Divided by 3. Multiply by 3 LF EA EA LS LS LS 10 % Construction Design/Bidding	tk Line Total 500 SFEs 350 SFE 9,900 31 128 0 0 0 0 0 Contingency Engineering Misc	\$39.00 \$2.950.00 \$350.00 \$0.00 \$0.00 \$0.00 \$0.00	\$1,092,720 \$390 \$136,590 \$386,100 \$91,450 \$44,800 \$0 \$0 \$0 \$0 \$0 \$522,350 \$522,350 \$522,350 \$52,235 \$28,729 \$15,000				
est Collection Area 128 lats 1 8 Inch PVC Sewer 2 Manholes 3 Services 4 Unused 5 Unused	e One and Two True Divided by 3. Multiply by 3 LF EA EA LS LS LS LS 10 % Construction Design/Bidding Construction	tk Line Total 500 SFEs 9,900 31 128 0 0 0 0 Contingency Engineering Misc Engineering	\$39.00 \$2.950.00 \$350.00 \$0.00 \$0.00 \$0.00 \$0.00	\$1,092,720 \$390 \$136,590 \$386,100 \$91,450 \$44,800 \$0 \$0 \$0 \$0 \$0 \$522,350 \$522,350 \$522,350 \$52,235 \$28,729 \$15,000 \$11,492				
<i>Test Collection Area 128 lats</i> 1 8 Inch PVC Sewer 2 Manholes 3 Services 4 Unused 5 Unused	e One and Two True Divided by 3. Multiply by 3 LF EA EA LS LS LS LS 10 % Construction Design/Bidding Construction Test	tk Line Total 500 SFEs 9,900 31 128 0 0 0 0 Contingency Engineering Misc Engineering st Area Total	\$39.00 \$2.950.00 \$350.00 \$0.00 \$0.00 \$0.00 \$0.00	\$1,092,720 \$390 \$136,590 \$386,100 \$91,450 \$44,800 \$0 \$0 \$0 \$0 \$0 \$522,350 \$522,350 \$522,350 \$52,235 \$28,729 \$15,000 \$11,492 \$629,806				
<i>Test Collection Area 128 lots</i> 1 8 Inch PVC Sewer 2 Manholes 3 Services 4 Unused 5 Unused	e One and Two True Divided by 3. Multiply by 3 LF EA EA LS LS LS LS 10 % Construction Design/Bidding Construction	tk Line Total 500 SFEs 9,900 31 128 0 0 0 0 Contingency Engineering Misc Engineering st Area Total 28 SFEs	\$39.00 \$2.950.00 \$350.00 \$0.00 \$0.00 \$0.00 \$0.00	\$1,092,720 \$390 \$136,590 \$386,100 \$91,450 \$44,800 \$0 \$0 \$0 \$0 \$0 \$522,350 \$522,350 \$522,350 \$52,235 \$28,729 \$15,000 \$11,492				

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Exhibit I

			4 Way Ranch Metropolitan District No. 2 Forecasted Sources and Uses of Cash For the Ysars Ended December 31, 2011 through 2045				th				Exhibit I	
	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
				Γ	Cal	culation of Ass	essed Valuation					
Market values - residential homes (DDD's) Beginning Increases (see Exhibit III)	1,189,260	1,213,046	1,213,046	1,237,307	1,237,307	1,262,053	1,262,053	1,287,294	1,287,294	1,313,040	1,313,040	1,339,300
Biennial reassessment (1% per annum)	23,785		24,261	•	24,746	•	25,241		25,746		26,261	
Ending market values	1,213,046	1,213,046	1,237,307	1,237,307	1,262,053	1,262,053	1,287,294	1,287,294	1,313,040	1,313,040	1,339,300	1,339,300
Residential assessment ratio	7.96%	7.96%	7.98%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%	7.96%
Assessed value - residential (000's)	96,558	96,558	98,490	98,490	100,459	100,459	102,469	102,469	104,518	104,518	106,608	106,608
Market values - lots & commercial Beginning Increases - commercial (see Exhibit III) Adjust to actual for 2009 Increase (decrease) (inished lots	64,654	65,947	65,947	67,266	67,266	68,611	68,611	69,984	69,984	71,383	71,383	72,811
Biennial reassessment (1% per annum)	1,293		1,319		1,345		1,372	•	1,400	•	1,428	•
Ending market values	65,947	65,947	67,266	67,266	68,611	68,611	69,984	69,984	71,383	71,383	72,811	72,811
Commercial assessment ratio	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%	29.00%
Assessed value - commercial (000's)	19,125	19,125	19,507	19,507	19,897	19,897	20,295	20,295	20,701	20,701	21,115	21,115
Total assessed valuation (000's)	115,683	115,683	117,997	117,997	120,357	120,357	122,764	122,764	125,219	125,219	127,723	127,723

See Summary of Significant Assumptions and Accounting Policies

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Exhibit II-I

#### 4 Way Ranch Metropolitan District No. 2 Forecasted Schedule of General Obligation Debt - Series 2011 For the Years Ended December 31, 2011 through 2041

				Annual	Outstanding
Year	Principal	Coupon	Interest	Total	Balance
1001	<u>i (nivipu</u>	<u>Andrean</u>	1110-001	10101	20,000,000
2011			700,000	700,000	20,000,000
2012			700,000		20,000,000
2012			700,000	1,400,000	20,000,000
2013			700,000	.,	20,000,000
2013			700,000	1,400,000	20,000,000
2014			700,000	.,,	20,000,000
2014		7.000%	700,000	1,400,000	20,000,000
2015			700,000	.,	20,000,000
2015		7.000%	700,000	1,400,000	20,000,000
2016			700,000	1, 100,000	20,000,000
2016		7.000%	700,000	1,400,000	20,000,000
2017			700,000	17.007000	20,000,000
2017		7.000%	700,000	1,400,000	20,000,000
2018		1.00070	700,000	1,400,000	20,000,000
2018		7.000%	700,000	1,400,000	20,000,000
2019		1.000%	700,000	1,400,000	20,000,000
2019		7.000%	700,000	1,400,000	20,000,000
2020		7.000%	700,000	1,400,000	20,000,000
2020		7.000%	700,000	1,400,000	20,000,000
2021		7.000 /	700,000	1,400,000	20,000,000
2021		7.000%	700,000	1,400,000	20,000,000
2022		7.000 /	700,000	1,400,000	20,000,000
2022		7.000%	700,000	1,400,000	20,000,000
2022		7.000%	700,000	1,400,000	20,000,000
2023	630,000	7.000%	700,000	2 020 000	19,370,000
2023	030,000	7.000%	677,950	2,030,000	19,370,000
2024	675,000	7.000%	677,950	2 020 000	
2024	075,000	7.000%	654,325	2,030,900	18,695,000
2025	720,000	7.000%	654,325	2 020 650	18,695,000
2025	720,000	7.000%		2,028,650	17,975,000
2026	770,000	7.000%	629,125	2 020 250	17,975,000
2020	770,000	7.000 /	629,125 602,175	2,028,250	17,205,000
2027	825,000	7.000%	602,175 602,175	2 020 250	17,205,000
2027	020,000	7.000%		2,029,350	16,380,000
2028	885,000	7.000%	573,300	2 021 000	16,380,000
2028	003,000	7.000%	573,300	2,031,600	15,495,000
2029	945,000	7.000%	542,325	2 020 650	15,495,000
2029	545,000	7.000%	542,325	2,029,650	14,550,000
2030	1,010,000	7.000%	509,250	2 020 500	14,550,000
2030	1,010,000	7.000 %	509,250	2,028,500	13,540,000
2031	1 095 000	7 000#	473,900	2 022 000	13,540,000
2031	1,085,000	7.000%	473,900	2,032,800	12,455,000
	1 100 000	7 0004	435,925	5 021 0F0	12,455,000
2032 2033	1,160,000	7.000%	435,925	2,031,850	11,295,000
	1 240 000	7 0001	395,325	1 020 050	11,295,000
2033	1,240,000	7.000%	395,325	2,030,650	10,055,000
2034 2034	1,325,000	7.000	351,925		10,055,000
	1,323,000	7.000%	351,925	2,028,850	8,730,000
2035	1 420 000	7 0008	305,550		8,730,000
2035	1,420,000	7.000%	305,550	2,031,100	7,310,000
2036	1 520 000	7 000%	255,850		7,310,000
2036	1,520,000	7.000%	255,850	2,031,700	5,790,000
2037	1 695 000	7 00081	202,650		5,790,000
2037	1,625,000	7.000%	202,650	2,030,300	4,165,000
2038	1 740 000	7 0000	145,775		4,165,000
2038	1,740,000	7.000%	145,775	2,031,550	2,425,000
2039	9 495 000	7 000*	84,875	0.015.405	2,425,000
2039_	2,425,000	7.000%	84,875	2,815,425	•
-	20,000,000		31,180,450	51,401,125	

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Exhibit II-II

Г		4 Way Ranc	h Metropolitan I	District No. 2	
			of General Obliga ed December 31,		
				Annual	Outstanding
<u>Year</u>	<b>Principal</b>	<u>Coupon</u>	Interest	Total	Balance 24,000,000
2015 2016			840,000	840,000	24,000,000
2016			840,000 840,000	1,680,000	24,000,000 24,000,000
2017			840,000	.,,	24,000,000
2017			840,000	1,680,000	24,000,000
2018			840,000	1 000 000	24,000,000
2018 2019			840,000 840,000	1,680,000	24,000,000 24,000,000
2019			840,000	1,680,000	24,000,000
2020			840,000		24,000,000
2020			840,000	1,680,000	24,000,000
2021 2021			840,000	1 000 000	24,000,000
2021			840,000 840,000	1,680,000	24,000,000 24,000,000
2022			840,000	1,680,000	24,000,000
2023			840,000		24,000,000
2023			840,000	1,680,000	24,000,000
2024	•		840,000		24,000,000
2024			840,000	1,680,000	24,000,000
2025 2025			840,000 840,000	1,680,000	24,000,000 24,000,000
2026			840,000	1,000,000	24,000,000
2026			840,000	1,680,000	24,000,000
2027			840,000		24,000,000
2027			840,000	1,680,000	24,000,000
2028			840,000	4 000 000	24,000,000
2028 2029			840.000 840.000	1,680,000	24,000,000 24,000,000
2029			840,000	1,680,000	24,000,000
2030			840,000		24,000,000
2030			840,000	1,680,000	24,000,000
2031			840,000		24,000,000
2031 2032			840,000	1,680,000	24,000,000
2032	520,000	7.000%	840,000 840,000	2,200,000	24,000,000 23,480,000
2033		1.00070	821,800	2,200,000	23,480,000
2033	555,000	7.000%	821,800	2,198,600	22,925,000
2034	•		802,375		22,925,000
2034	595,000	7.000%	802,375	2,199,750	22,330,000
2035 2035	635,000	7.000%	781,550	2 100 100	22,330,000
2035		7.000%	781,550 759,325	2,198,100	21,695,000 21,695,000
2036	680,000	7.000%	759,325	2,198,650	21,015,000
2037	•		735,525		21,015,000
2037	725,000	7.000%	735,525	2,196,050	20,290,000
2038		3 0004	710,150		20,290,000
2038 2039	780,000	7.000%	710,150 682,850	2,200,300	19,510,000 19,510,000
2039	835.000	7.000%	682,850	2,200,700	18,675,000
2040			653,625	2,200,700	18,675,000
2040	2,590,000	7.000%	653,625	3,897,250	16,085,000
2041		7 0000	562,975		16,085,000
2041	2,770,000	7.000%	562,975	3,895,950	13,315,000
2042 2042	3,265,000	7.000%	466,025 466,025	4,197,050	13,315,000 10,050,000
2042	0,200,000	1.000 /	351,750	4,137,030	10,050,000
2043	3,495,000	7.000%	351,750	4,198,500	6,555,000
2044	•		229,425		6,555,000
2044	6,555,000	7.000%	229,425	7,013,850	•

See Summary of Significant Assumptions and Accounting Policies

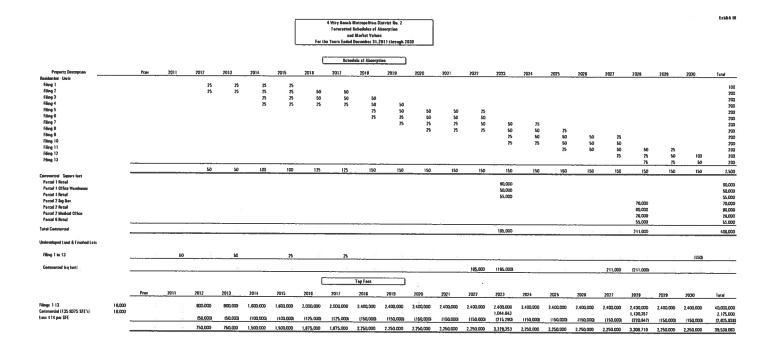
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Exhibit II-III

Г			ich Metropolitan C		
			of General Obliga led December 31,		
-				Annual	Outstanding
Year	Principal	Coupon	Interest	Total	Balance
					10,000,000
2018			350,000	350,000	10,000,000
2019			350,000		10,000,000
2019			350,000	700,000	10,000,000
2020			350,000		10,000,000
2020			350,000	700,000	10,000,000
2021			350,000		10,000,000
2021			350,000	700,000	10,000,000
2022			350,000		10,000,000
2022			350,000	700,000	10,000,000
2023			350,000		10,000,000
2023			350,000	700,000	10,000,000
2024			350,000		10,000,000
2024			350,000	700,000	10,000,000
2025	•		350,000		10,000,000
2025			350,000	700,000	10,000,000
2026			350,000		10,000,000
2026			350,000	700,000	10,000,000
2027			350,000		10,000,000
2027	165,000	7.000%	350,000	865,000	9,835,000
2028		7 0000	344,225		9,835,000
2028	180,000	7.000%	344,225	868,450	9,655,000
2029		7 0000	337,925		9,655,000
2029	190,000	7.000%	337,925	865,850	9,465,000
2030		7 000%	331,275	003 550	9,465,000
2030	205,000	7.000%	331,275	867,550	9,260,000
2031		7 0004	324,100	000 000	9,260,000
2031 2032	220,000	7.000%	324,100	868,200	9,040,000
2032	235,000	7.000%	316,400 316,400	967 900	9,040,000
2032	235,000	7.00076	308,175	867,800	8,805,000
2033	250,000	7.000%	308,175	866,350	8,805,000 8,555,000
2034	230,000	7.000 //	299,425	800,350	8,555,000
2034	265,000	7.000%	299,425	863,850	8,290,000
2035		1.000 //	290,150	000,000	8,290,000
2035	285,000	7.000%	290,150	865,300	8,005,000
2036			280,175	000,000	8,005,000
2036	305,000	7.000%	280,175	865,350	7,700,000
2037			269,500		7,700,000
2037	325,000	7.000%	269,500	864,000	7,375,000
2038			258,125		7,375,000
2038	350,000	7.000%	258,125	866,250	7,025,000
2039			245,875		7,025,000
2039	375,000	7.000%	245,875	866,750	6,650,000
2040			232,750		6,650,000
2040	370,000	7.000%	232,750	835,500	6,280,000
2041	•		219,800		6,280,000
2041	395,000	7.000%	219,800	834,600	5,885,000
2042	•		205,975		5,885,000
2042	355,000	7.000%	205,975	766,950	5,530,000
2043	-		193,550		5,530,000
2043	280,000	7.000%	193,550	667,100	5,250,000
2044			183,750		5,250,000
2044	100,000	7.000%	183,750	467,500	5,150,000
2045		7 0000	180,250		5,150,000
2045	5,150,000	7.000%	180,250	5,510,500	
	10,000,000		16,292,850	26,292,850	

See Summary of Significant Assumptions and Accounting Policies



See Summery of Significant Assumptions and Acco