

2015-26232

10/26/2015 11:47:32 AM

Lloyd J. Dowling

REGISTER OF DEEDS

COUNTER	<u>PP</u>	C.E.	<u>P</u>
VERIFY	<u>PP</u>	D.E.	<u>P</u>
PROOF			
FEE \$	<u>508.00</u>		
CHECK#			
CHG	<u>COP</u>	CASH	
REFUND		CREDIT	
SHORT		NCR	



**SECOND AMENDMENT
TO
SUBDIVISION AGREEMENT**

This Second Amendment to the Ashbury Farm Subdivision Agreement, made this 20th day of October, 2015, by and between **SANITARY AND IMPROVEMENT DISTRICT NO. 293** (hereinafter referred to as "DISTRICT"), and **B.H.I. DEVELOPMENT, INC.**, a Nebraska corporation, (hereinafter referred to as "DEVELOPER"), and the **CITY OF PAPILLION, NEBRASKA**, a municipal corporation (hereinafter referred to as "CITY") amends and modifies the Subdivision Agreement adopted by Resolution #R13-0109, entered into by the Parties on July 16, 2013 as modified by the First Amendment adopted by Resolution #R14-0057, entered into by the Parties on May 6, 2014 (hereinafter referred to as the "Agreement").

WHEREAS, DEVELOPER, DISTRICT and CITY entered into a Subdivision Agreement ("Subdivision Agreement") dated July 17, 2013 with respect to Lots 1 through 121 and Outlots A through F, known as Ashbury Farm; and

WHEREAS, the Parties wish to agree upon the manner and the extent to which public funds may be expended in connection with Public Improvements within the 120th Street public right-of-way within the Development Area;

WHEREAS, the Parties wish to agree upon a modification to the sidewalk and trail system within the Development Area and the manner and extent to which public funds may be expended in connection with such modifications.;

WHEREAS, the Parties hereto desire to modify the Subdivision Agreement to address Public Improvements within the 120th Street public right-of-way, modify the sidewalk and trail system within the Development Area, and amend the Source and Use of Funds as set forth herein.

NOW, THEREFORE, in consideration of the above, the following is agreed between the Parties hereto:

1. Capitalized Terms. All capitalized terms used in this Second Amendment shall have the meanings set forth in the Agreement except as otherwise defined herein.
2. Area of Application. The Subdivision Agreement Amendment applies to Lots 1 through 121 and Outlots A through F, inclusive, Ashbury Farm.
3. Amendment #1. Section II, Subsection N is hereby repealed in its entirety and the following is hereby substituted in its place:

N. Construction of the trails and sidewalks along 120th Street, 122nd Street, Outlots B, C, and D, and adjacent to Lots 32 through 45 as shown on Exhibit F-1.

4. Amendment #2. Section II, Subsection O is hereby repealed in its entirety and the following is hereby substituted in its place:

O. Irrigation system and appurtenances to be installed within the 120th Street public right-of-way.

5. Amendment #3. Section IV, Paragraph 1 is hereby repealed in its entirety and the following paragraph is hereby substituted in its place:

The Parties agree that the cost of the Public Improvements constructed by DISTRICT within the Development Area as authorized by Section II, shall be defrayed as follows and as identified in Exhibit "G-2" attached hereto and incorporated herein by this reference as the Source and Use of Funds. Construction overruns and/or change orders totaling up to ten percent (10%) of any individual contract as described in Exhibit "G-2", shall be submitted to CITY for approval prior to the work being started. If the work is approved by the City Administrator and the City Engineer, the total cost of the work may be added to the contract and Exhibit "G-2". If the work is not approved by the City Administrator and City Engineer, the cost of the work shall be included in the statements of cost and specially assessed evenly against the DISTRICT'S assessable property or the cost of the work shall be privately financed. In no case shall the general obligation costs of DISTRICT exceed \$4,604,059.98 (the amount shown as the total general obligation Exhibit "G-2"), at the time of levy of special assessments. Special assessments shall be increased if necessary to reduce the general obligation debt to the required amount.

6. Amendment #4. Section IV, Subsection M is hereby repealed in its entirety and the following is hereby substituted in its place:

M. Irrigation System and Appurtenances. Up to one hundred thousand dollars (\$100,000) of the cost of the irrigation system and appurtenances to be installed within the 120th Street public right-of-way may be borne by general obligation. Any remaining irrigation system costs shall be privately financed by DEVELOPER.

7. Amendment #5. Section IX shall be amended to add Subsection W:

W. Irrigation system. The Parties agree that DEVELOPER, its successors and assigns, (including a homeowners association, but excluding DISTRICT, CITY, and Sarpy County) shall have sole responsibility for maintenance and financing of the irrigation system within the 120th Street public right-of-way once it is installed. At no time, shall DISTRICT, CITY, or Sarpy County have any responsibility for said irrigation system, including, but not limited to, maintenance of said irrigation system including its appurtenances and payment of any water bills resulting from operation of said irrigation system. DEVELOPER acknowledges that DISTRICT, CITY and Sarpy County will not maintain the irrigation should maintenance lapse by DEVELOPER, its successors and assigns. In the event that maintenance to or payment of water bills for the irrigation system lapse, CITY reserves the right to shut down or remove the irrigation system as CITY determines necessary.

DEVELOPER agrees to be fully financially and legally responsible for any claims that may result from any damage, injury, or loss sustained either to or by the irrigations system within the 120th Street public right-of-way. Further, DEVELOPER releases DISTRICT, CITY and Sarpy County from any financial and legal responsibilities for any claims that may result from any damage, injury, or loss sustained either to or by the irrigation system.

8. Amendment #6. Section IX shall be amended to add Subsection X:

X. Landscaping within the 120th Street public right-of-way. DEVELOPER shall privately finance the installation of landscaping within the 120th Street public right-of-way. DEVELOPER agrees to expend a minimum of one hundred thousand dollars (\$100,000) to landscape the 120th Street public right-of-way. Upon installation of the landscaping, DEVELOPER, its successors and assigns, (including a homeowners association but excluding DISTRICT, CITY, and Sarpy County) shall have sole responsibility for maintenance and financing of said landscaping. At no time, shall DISTRICT, CITY, or Sarpy County have any responsibility for said landscaping, including, but not limited to, replacement of diseased or dead landscape materials, tree trimming and pruning, weed removal/mitigation, and maintenance of landscape materials (both organic and inorganic.). In the event that maintenance to or payment of water bills for the irrigation system lapse, CITY reserves to the right to modify the landscaping as required by the reduction in irrigation. Such modification may include replacement of the landscaping with hardscaping or paving.

9. Amendment #7. Section IX shall be amended to add Subsection Y:

Y. Covenants. DEVELOPER agrees to modify the Ashbury Farm covenants to assign responsibility of the irrigation system and appurtenances and landscaping within the 120th Street public right-of-way to the Ashbury Farm Homeowners Association. Further, a clause shall be added that prohibits the lot owners and the Board of Directors of the Association from modifying the covenants to eliminate the mandatory dues for at least twenty-five (25) years after annexation of the Development Area.

10. Exhibit Modifications.

A. Exhibit "F" is hereby repealed in its entirety and replaced with Exhibit "F-1".

B. Exhibit "G-1" is hereby repealed in its entirety and replaced with Exhibit "G-2".

11. Source and Use of Funds Residential Valuation Reevaluation. The Parties agree that the Residential Valuation shown in the Source and Use of Funds may be reevaluated when the Sarpy County Assessor establishes the full taxable valuation for 50% of the lots in Phase 1. The Parties may enter into an amendment to this Agreement to replace the Source and Use of Funds Residential Valuation with the average taxable valuation established by the Sarpy County Assessor at that time.

12. Pavement in Excess of Six (6") Inches Thick. The Parties acknowledge that the Source and Use of Funds is being amended to eliminate general obligation financing for pavement in excess of six (6") inches thick for Phases 2 and 3 in order to allow for general obligation financing of the sidewalks added to Exhibit "F-1". The Parties agree to amend the Source and Use of Funds to restore the general obligation financing of the pavement in excess of six (6") inches thick for Phases 2 and 3 if the Residential

Valuation is increased as a result of the Source and Use of Funds Residential Valuation reevaluation; provided, however, that such restoration of general obligation financing shall not raise the debt ratio above 4.6%.

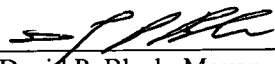
- 13. Boundary of DISTRICT. The Parties acknowledge that the boundary of DISTRICT includes Phases 1 and 2. DISTRICT agrees to annex Phase 3 into the boundary of DISTRICT no later than five years after the first election of the board of trustees.
- 14. Discharge Permits in Papillion's Wastewater Service Area. The City of Omaha is authorized to issue discharge permits in Papillion's Waste Water Service Area, which includes the Development Area. The Parties acknowledge that the City of Omaha has the authority to enforce prohibitions and limitations as specified in Omaha Municipal Code Chapter 31 by means of discharge permits. All such enforcements will be in collaboration with and by the written approval of CITY.
- 15. Easements to CITY. DEVELOPER, its successors and assigns, and DISTRICT agree to allow CITY to install improvements within any outlot dedicated as park land or open space as depicted on Exhibits "H". Further, DEVELOPER, its successors and assigns, and DISTRICT agree to dedicate, at no expense to CITY, any easements required for said improvements. Such easement dedication shall not be withheld by DEVELOPER or DISTRICT in order to gain any monetary or non-monetary concessions by CITY, including but not limited to, improvements to any trail, sidewalk, street, park or drainage system, a reduction in water or sewer rates, provision of additional services
- 16. No Other Amendment. Except as specifically set forth herein, the Agreement shall remain in full force and effect.
- 17. Binding Effect. This Second Amendment to the Subdivision Agreement shall be binding upon the Parties, their respective successors and assigns.

ATTEST:

THE CITY OF PAPIILLION, NEBRASKA



 Elizabeth Butler, City Clerk



 David P. Black, Mayor

SEAL:



D

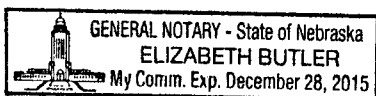
SANITARY AND IMPROVEMENT DISTRICT
NO. 293 OF SARPY COUNTY, NEBRASKA

By *Gerald L. Torczon*
Gerald L. Torczon, Chairman

STATE OF NEBRASKA)
) ss.
COUNTY OF SARPY)

Before me, a notary public, in and for said county and state, personally came Gerald L. Torczon, Chairman of Sanitary and Improvement District No. 293 of Sarpy County, Nebraska, known to me to be the identical person who executed the above instrument and acknowledged the execution thereof be his voluntary act and deed on behalf of such District.

Witness my hand and Notarial Seal this 16th day of October, 2015.



[Signature]
Notary Public

DEVELOPER:

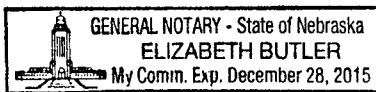
B.H.I. DEVELOPMENT, INC.,
a Nebraska corporation

By *Gerald L. Torczon*
Gerald L. Torczon, President

STATE OF NEBRASKA)
) ss.
COUNTY OF SARPY)

Before me, a notary public, in and for said county and state, personally came , Gerald L. Torczon, President of B.H.I. Development, Inc., a Nebraska corporation, known to me to be the identical person who executed the above instrument and acknowledged the execution thereof be his voluntary act and deed on behalf of such corporation.

Witness my hand and Notarial Seal this 16th day of October, 2015.



[Signature]
Notary Public

**SUBDIVISION AGREEMENT AMENDMENT
TABLE OF CONTENTS**

INTRODUCTION STATEMENT

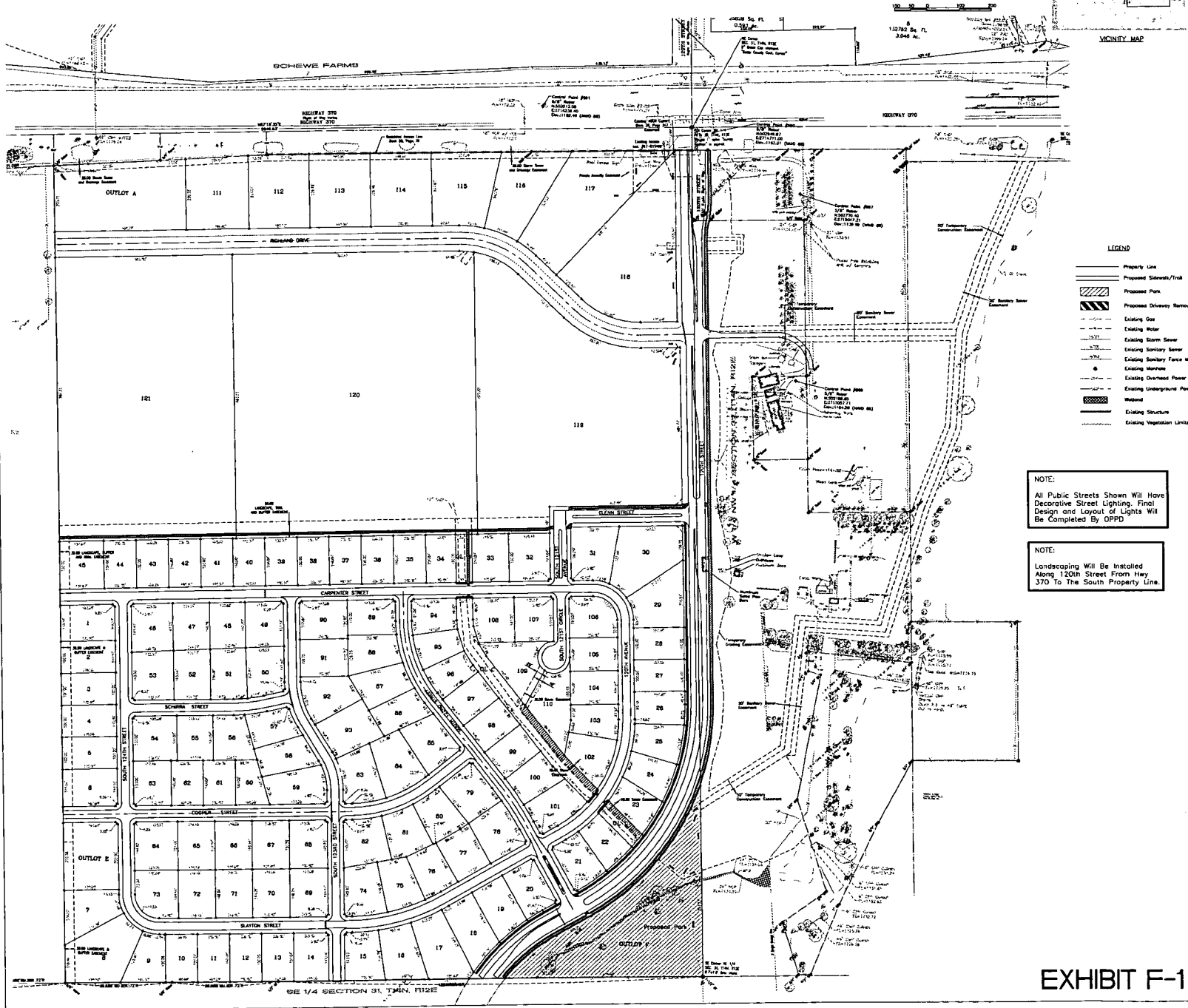
RECITALS

SECTION	1	Capitalized Terms
	2	Area of Application
	3	Amendment #1
	4	Amendment #2
	5	Amendment #3
	6	Amendment #4
	7	Amendment #5
	8	Amendment #6
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	10	Exhibit Modifications
	11	Source and Use of Funds Residential Valuation Reevaluation
	12	Pavement in Excess of Six (6") Inches Thick
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	14	Discharge Permits in Papillion's Wastewater Service Area
	15	Easements to CITY
	16	No Other Amendment
	17	Binding Effect

EXHIBITS:

F-1	Decorative Lighting, Trails/Sidewalks, and Landscaping/Hardscaping
G-2	Source and Use

SANITARY AND IMPROVEMENT DISTRICT NO. 293, SARPY COUNTY, NEBRASKA
ASHBURY FARM



NOTE:
All Public Streets Shown Will Have
Decorative Street Lighting. Final
Design and Layout of Lights Will
Be Completed By OPPD

NOTE:
Landscaping Will Be Installed
Along 120th Street From Hwy
370 To The South Property Line.

- LEGEND
- Property Line
 - Proposed Sidewalk/Trail
 - Proposed Park
 - Proposed Driveway Removal
 - Existing Gas
 - Existing Water
 - Existing Storm Sewer
 - Existing Sanitary Sewer
 - Existing Sanitary Force Main
 - Existing Manholes
 - Existing Overhead Power
 - Existing Underground Power
 - Wetland
 - Existing Structure
 - Existing Vegetation Limits

LAMP RYNEARSON
 1515 W. 12th Street, Suite 100
 Omaha, Nebraska 68144-2007
 402.456.2708
 www.lrpinc.com

ASHBURY FARM
 SARPY COUNTY, NEBRASKA

DECORATIVE LIGHTING, TRAILS/SIDEWALKS, AND LANDSCAPING/HARDSCAPING

012043.01 - 003
 04/05/2015
 1 of 1

EXHIBIT F-1

F

EXHIBIT G-2

S.I.D. Cost Estimate

Ashbury Farm Combined SUF

Phases 1, 2 & 3

112043.11,.22,.33

SID No. 293

9/10/2015

Asbury Farm, Sarpy County SID 293
ORDER OF MAGNITUDE COST ESTIMATE
Final Plat Exhibit G-2

Proposed Improvement	Quantity	Unit	Construction Cost	Total Cost	General Obligation	Special	Future SID Reimbursable	City of Papillion Reimbursable	Sarpy County Reimbursable	Private
SANITARY SEWER										
Interior	9817	LF	\$589,439.98	\$881,719.44	\$171,700.00	\$710,019.44	\$0.00	\$0.00	\$0.00	\$0.00
Outfall	4203	LF	\$374,974.62	\$559,150.04	\$0.00	\$0.00	\$0.00	\$559,150.04	\$0.00	\$0.00
Outfall Easement Acquisition	1	LS	\$20,164.38	\$24,142.15	\$0.00	\$0.00	\$0.00	\$24,142.15	\$0.00	\$0.00
STORM SEWER	9234	LF	\$573,459.82	\$849,897.68	\$789,482.67	\$14,388.87	\$0.00	\$0.00	\$46,026.14	\$0.00
PAVING										
Minor	34555	SY	\$1,178,323.20	\$1,523,883.41	\$299,600.00	\$769,760.21	\$0.00	\$0.00	\$0.00	\$454,523.20
120th Street	17600	SY	\$614,455.07	\$876,581.26	\$214,346.44	\$183,575.56	\$265,745.37	\$0.00	\$212,913.89	\$0.00
Highway 370 Decel Lane	2239	SY	\$283,531.35	\$429,193.94	\$386,274.54	\$0.00	\$42,919.39	\$0.00	\$0.00	\$0.00
Highway 370 Contribution	1	LS	\$362,351.21	\$401,660.88	\$401,660.88	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SIDEWALKS & SIGNS	58610	SF	\$363,973.64	\$516,782.56	\$453,632.70	\$0.00	\$63,149.86	\$0.00	\$0.00	\$0.00
LANDSCAPING	1	LS	\$62,518.50	\$89,800.00	\$89,800.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PARKS ACQUISITION	2.92	AC	\$30,700.00	\$36,200.00	\$36,200.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WATER										
Interior	15656	LF	\$865,427.05	\$1,219,371.85	\$367,751.87	\$851,619.98	\$0.00	\$0.00	\$0.00	\$0.00
Capital Facilities Charge	110	Lots	\$492,077.31	\$581,273.17	\$227,267.05	\$241,571.79	\$0.00	\$0.00	\$0.00	\$112,434.33
City Infrastructure Contrib	1	LS	\$813,600.00	\$901,863.40	\$901,863.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
POWER										
Service	110	Lots	\$119,360.00	\$172,892.67	\$0.00	\$172,892.67	\$0.00	\$0.00	\$0.00	\$0.00
Commercial Service	46	AC	\$165,500.00	\$237,800.00	\$0.00	\$237,800.00	\$0.00	\$0.00	\$0.00	\$0.00
Decorative Street Lights	84	EA	\$172,200.00	\$210,980.43	\$210,980.43	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CIVIL DEFENSE SIREN	1	LS	\$30,000.00	\$42,400.00	\$42,400.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PLAN REVIEW FEE	1	%	\$18,900.00	\$21,300.00	\$11,100.00	\$10,200.00	\$0.00	\$0.00	\$0.00	\$0.00

Total	\$7,130,956.13	\$9,576,892.88	\$4,604,059.98	\$3,191,828.52	\$371,814.62	\$583,292.19	\$258,940.04	\$566,957.53
	\$7,130,956.13	\$9,576,892.88	\$4,604,059.98	\$3,191,828.52	\$371,814.62	\$583,292.19	\$258,940.04	\$566,957.53

Residential Valuation	110	Lots	\$55,000,000.00
Commercial Valuation	44.52	AC	\$50,355,360.00
Total Valuation	100%		\$105,355,360.00
Total Valuation	95%		\$100,087,592.00

Debt Ratio (95% Valuation) **4.60%**

I

DEBT RATIO

ASSUMPTIONS

Average market Value Per Residential Lot (land value only) = \$85,000.00

Average market Value Per Residential Lot (Improvements) (improvement value only) = \$415,000.00

Commercial Land Value per square foot = \$8.00

Commercial Building Value per square foot (Includes Land) = \$85.00

ASSESSABLE VALUATION

Residential Lot	110	Units =	\$85,000.00 =	\$9,350,000.00
Residential Improvements	110	Units =	\$415,000.00 =	\$45,650,000.00
Commercial Land	46.24	AC =	\$348,480.00 =	\$16,113,715.20
Commercial Building (20% of Lot Area)	402,843	SF =	\$85.00 =	\$34,241,644.80
Total 100% Valuation =				\$105,355,360.00
Total 95% Valuation =				\$100,087,592.00
DEBT RATIO =				4.60%

J

S.I.D. Cost Estimate

Ashbury Farm - Phase I

112043.11

SID No. 293

9/10/2015

Ashbury Farm, Sarpy County SID 293

ORDER OF MAGNITUDE COST ESTIMATE

Phase I

Proposed Improvement	Quantity	Unit	Construction Cost	Total Cost	General Obligation	Special	Future SID Reimbursable	City of Papillion Reimbursable	Sarpy County Reimbursable	Private
SANITARY SEWER										
Interior	5086	LF	\$212,439.98	\$344,219.44	\$0.00	\$344,219.44	\$0.00	\$0.00	\$0.00	\$0.00
Outfall	4203	LF	\$374,974.62	\$559,150.04	\$0.00	\$0.00	\$0.00	\$559,150.04	\$0.00	\$0.00
Outfall Easement Acquisition	1	LS	\$20,164.38	\$24,142.15	\$0.00	\$0.00	\$0.00	\$24,142.15	\$0.00	\$0.00
STORM SEWER	4509	LF	\$269,159.82	\$413,897.68	\$353,482.67	\$14,388.87	\$0.00	\$0.00	\$46,026.14	\$0.00
PAVING										
Minor - Private	15505	SY	\$454,523.20	\$515,883.41	\$0.00	\$61,360.21	\$0.00	\$0.00	\$0.00	\$454,523.20
120th Street	17600	SY	\$614,455.07	\$876,581.26	\$214,346.44	\$183,575.56	\$265,745.37	\$0.00	\$212,913.89	\$0.00
Highway 370 Decel Lane	2239	SY	\$283,531.35	\$429,193.94	\$386,274.54	\$0.00	\$42,919.39	\$0.00	\$0.00	\$0.00
Highway 370 Contribution	1	LS	\$362,351.21	\$401,660.88	\$401,660.88	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SIDEWALKS & SIGNS	54740	SF	\$320,273.64	\$453,382.56	\$390,232.70	\$0.00	\$63,149.86	\$0.00	\$0.00	\$0.00
LANDSCAPING	1	LS	\$62,518.50	\$89,800.00	\$89,800.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PARKS ACQUISITION	2.92	AC	\$30,700.00	\$36,200.00	\$36,200.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WATER										
Interior	8306	LF	\$402,927.05	\$570,771.85	\$162,651.87	\$408,119.98	\$0.00	\$0.00	\$0.00	\$0.00
Capital Facilities Charge	110	Lots	\$379,642.98	\$454,534.10	\$227,267.05	\$114,832.72	\$0.00	\$0.00	\$0.00	\$112,434.33
City Infrastructure Contrib	1	LS	\$813,600.00	\$901,863.40	\$901,863.40	\$0.00	\$0.00			
POWER										
Service	62	Lots	\$54,560.00	\$79,792.67	\$0.00	\$79,792.67	\$0.00	\$0.00	\$0.00	\$0.00
Decorative Street Lights	58	EA	\$118,900.00	\$150,180.43	\$150,180.43	\$0.00				
CIVIL DEFENSE SIREN	1	LS	\$30,000.00	\$42,400.00	\$42,400.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Total	\$4,804,721.80	\$6,343,653.81	\$3,356,359.98	\$1,206,289.45	\$371,814.62	\$583,292.19	\$258,940.04	\$566,957.53
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First Amendment to Subdivision Agreement \$3,344,800.00 1494000 388500 568000 \$275,200.00 \$477,600.00

Residential Valuation (Land Value)	62	Lots	\$5,270,000	Debt Ratio	11.40%
Residential Valuation (Improvements)	62	Lots	\$25,730,000		
Commercial Valuation	0.00	AC	\$0		
Total Valuation	100%		\$31,000,000		
Total Valuation	95%		\$29,450,000		



L

DEBT RATIO

ASSUMPTIONS

Average market Value Per Residential Lot (land value only) =

Average market Value Per Residential Lot (Improvements) (improvement value only) =

Commercial Land Value per square foot =

Commercial Building Value per square foot (Includes Land) =

ASSESSABLE VALUATION

Residential Lot	<input type="text" value="62"/>	Units =	\$85,000.00 =	\$5,270,000.00
Residential Improvements	<input type="text" value="62"/>	Units =	\$415,000.00 =	\$25,730,000.00
Commercial Land	<input type="text" value="0.000"/>	AC =	\$348,480.00 =	\$0.00
Commercial Building (20% of Lot Area)	<input type="text" value="0"/>	SF =	\$85.00 =	\$0.00
			Total 100% Valuation =	\$31,000,000.00
			Total 95% Valuation =	\$29,450,000.00
			DEBT RATIO =	<input type="text" value="11.40%"/>

M

SANITARY SEWER - INTERIOR

Assumptions/Comments:

FINAL

	Bid Item Description	Approximate		Unit Price	Total
		Quantity	Unit		
1.	CLEARING AND GRUBBING GENERAL	1.00	LS	\$0.00	\$0.00
2.	CONSTRUCT 6" SANITARY SEWER PIPE	1983.00	LF	\$13.50	\$26,770.50
3.	CONSTRUCT 8" SANITARY SEWER PIPE	5085.76	LF	\$13.75	\$69,929.20
4.	CONSTRUCT 54" I.D. SANITARY MANHOLE (25 EA)	334.25	VF	\$260.00	\$86,905.00
5.	CONSTRUCT 8" X 6" WYE	46.00	EA	\$75.00	\$3,450.00
6.	CONSTRUCT 6" MANHOLE STUBOUT	19.00	EA	\$42.00	\$798.00
7.	CONSTRUCT 6" PIPE BEDDING	1860.00	LF	\$3.00	\$5,580.00
8.	CONSTRUCT 8" PIPE BEDDING	5085.76	LF	\$3.00	\$15,257.28
9.	CONSTRUCT MANHOLE RING COLLAR	3.00	EA	\$275.00	\$825.00
10.	CONSTRUCT EXTERNAL FRAME SEAL	3.00	EA	\$367.00	\$1,101.00
11.	STABILIZE TRENCH W/ CRUSHED LIMESTONE	0.00	TN	\$24.00	\$0.00
12.	CONSTRUCT SILT FENCE	0.00	LF	\$1.50	\$0.00
13.	CLEANOUT SILT BASIN	0.00	CY	\$1.00	\$0.00
14.	CLEANOUT SILT FENCE	0.00	LF	\$0.50	\$0.00
15.	CONSTRUCT ROCK ACCESS ROAD	0.00	TN	\$15.00	\$0.00
	PER CHANGE ORDER NO. 1				
16.	SEED TYPE "TEMPORARY"	12.10	AC	\$220.00	\$2,662.00
	DEDUCTION FOR FAILED TESTS				-\$838.00

Construction Costs: \$212,439.98

Soft Costs

Engineering Design & Construction	
Admin	\$51,620.00
Testing:	\$16,283.00
Review Fee:	\$2,493.82
Legal:	\$10,622.00
Fiscal:	\$15,528.63
Interest:	\$35,232.01

Total Soft Costs: \$131,779.46

Total Costs: \$344,219.44

N

SANITARY SEWER - OUTFALL

Assumptions/Comments:

FINAL

Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1 . CLEARING AND GRUBBING GENERAL	1.00	LS	\$18,555.00	\$18,555.00
2 . CLEARING AND GRUBBING TREES OVER 9" TO 18" DIAMETER	40.00	EA	\$185.00	\$7,400.00
3 . REMOVE PAVEMENT	58.66	SY	\$5.50	\$322.63
4 . REMOVE FENCE	257.50	LF	\$2.70	\$695.25
5 . REMOVE AND REPLACE FENCE	581.20	LF	\$10.05	\$5,841.06
6 . REMOVE, SALVAGE AND REINSTALL FENCE	148.00	LF	\$27.15	\$4,018.20
7 . REMOVE 12" MANHOLE STUBOUT	1.00	EA	\$715.00	\$715.00
8 . CONSTRUCT 8" SANITARY SEWER PIPE	2,004.00	LF	\$14.25	\$28,557.00
9 . CONSTRUCT 10" SANITARY SEWER PIPE	1,612.00	LF	\$16.65	\$26,839.80
10 . CONSTRUCT 12" SANITARY SEWER PIPE	586.81	LF	\$21.25	\$12,469.71
11 . BORE AND JACK 18" STEEL CASING W/12" DUCTILE IRON PIPE	360.00	LF	\$270.00	\$97,200.00
12 . CONSTRUCT 54" I.D. SANITARY MANHOLE (17 EA)	188.87	VF	\$282.75	\$53,402.99
13 . CONSTRUCT EXTENDED MANHOLE RING COLLAR	14.00	EA	\$285.00	\$3,990.00
14 . CONSTRUCT EXTERNAL FRAME SEAL	14.00	EA	\$345.00	\$4,830.00
15 . CONSTRUCT 12" CONNECTION TO EXISTING STRUCTURE	1.00	EA	\$225.00	\$225.00
16 . CONSTRUCT 8" PIPE BEDDING	1,207.00	LF	\$3.10	\$3,741.70
17 . CONSTRUCT 10" PIPE BEDDING	399.45	LF	\$3.50	\$1,398.08
18 . CONSTRUCT 12" PIPE BEDDING	0.00	LF	\$5.00	\$0.00
19 . STABILIZATION TRENCH W/ CRUSHED LIMESTONE	548.23	TN	\$30.00	\$16,446.90
20 . EXCAVATION FOR EXTRA DEEP SANITARY SEWER	932.00	VF-LF	\$9.55	\$8,900.60
21 . CONSTRUCT SILT FENCE	0.00	LF	\$2.00	\$0.00
22 . CLEANOUT SILT FENCE	0.00	LF	\$0.50	\$0.00
23 . EXPLORATORY EXPLORATION	3.00	HR	\$370.00	\$1,110.00
ALTERNATE NO. 1				
24 . ADD ALTERNATE TO REPLACE MANHOLE S02 WITH SAMPLING MANHOLE	1.00	LS	\$18,537.70	\$18,537.70
PER CHANGE ORDER NO. 1				
25 . CONSTRUCT 18" R.C.P. CLASS III	55.00	LF	\$40.80	\$2,244.00
26 . CONSTRUCT 24" R.C.P. CLASS III	208.00	LF	\$42.55	\$8,850.40
27 . CONSTRUCT 18" PIPE BEDDING	55.00	LF	\$5.15	\$283.25
28 . CONSTRUCT 24" PIPE BEDDING	208.00	LF	\$5.45	\$1,133.60
PER CHANGE ORDER NO. 2				
29 . REMOVE AND REPLACE UNSUITABLE MATERIAL	3,234.00	CY	\$6.65	\$21,506.10
PER CHANGE ORDER NO. 3				
30 . NRD MIX WITH STRAW MULCH	10.90	AC	\$987.00	\$10,758.30
31 . LOW GROW NATIVE GRASS WITH MULCH	0.30	AC	\$1,491.00	\$447.30
32 . EROSION BLANKET	1,300.00	SY	\$1.15	\$1,495.00
PER CHANGE ORDER NO. 4				
33 . ANTI-SEEP COLLARS	6.00	EA	\$40.00	\$240.00
34 . SAMPLING MANHOLE MODIFICATION	1.00	LS	\$120.75	\$120.75
PER CHANGE ORDER NO. 5				
35 . OVER DEPTH EXCAVATION	1,693.24	LF-VF	\$7.50	\$12,699.30

Construction Costs: \$374,974.62

Soft Costs

Engineering Design, Construction

Admin:	\$77,126.67
Testing:	\$10,788.35
Review Fee:	\$3,730.86
Legal:	\$18,748.73
Fiscal:	\$25,224.45
Interest:	\$48,556.36

Total Soft Costs: \$184,175.42

Total Costs: \$559,150.04

9

OUTFALL SEWER EASEMENT ACQUISITION

Assumptions/Comments:



FINAL UPDATED SOFT COSTS TO 5/6/15

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	SEIBOLD FARMS, LLC	1	LS	\$20,164.38	\$20,164.38
Estimated Costs:					\$20,164.38
<u>Soft Costs</u>					
Legal:					\$403.29
Fiscal:					\$1,089.06
Interest:					\$2,485.42
Total Soft Costs:					\$3,977.77
Total Costs:					\$24,142.15

P

SANITARY SEWER - INTERIOR G.O.

Assumptions/Comments:



FINAL

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1 .	CLEARING AND GRUBBING GENERAL	0.00	LS	\$0.00	\$0.00
2 .	CONSTRUCT 6" SANITARY SEWER PIPE	0.00	LF	\$13.50	\$0.00
3 .	CONSTRUCT 8" SANITARY SEWER PIPE	0.00	LF	\$13.75	\$0.00
4 .	CONSTRUCT 54" I.D. SANITARY MANHOLE (25 EA)	0.00	VF	\$260.00	\$0.00
5 .	CONSTRUCT 8" X 6" WYE	0.00	EA	\$75.00	\$0.00
6 .	CONSTRUCT 6" MANHOLE STUBOUT	0.00	EA	\$42.00	\$0.00
7 .	CONSTRUCT 6" PIPE BEDDING	0.00	LF	\$3.00	\$0.00
8 .	CONSTRUCT 8" PIPE BEDDING	0.00	LF	\$3.00	\$0.00
9 .	CONSTRUCT MANHOLE RING COLLAR	0.00	EA	\$275.00	\$0.00
10 .	CONSTRUCT EXTERNAL FRAME SEAL	0.00	EA	\$367.00	\$0.00
11 .	STABILIZE TRENCH W/ CRUSHED LIMESTONE	0.00	TN	\$24.00	\$0.00
12 .	CONSTRUCT SILT FENCE	0.00	LF	\$1.50	\$0.00
13 .	CLEANOUT SILT BASIN	0.00	CY	\$1.00	\$0.00
14 .	CLEANOUT SILT FENCE	0.00	LF	\$0.50	\$0.00
15 .	CONSTRUCT ROCK ACCESS ROAD	0.00	TN	\$15.00	\$0.00
16 .	PER CHANGE ORDER NO. 1 SEED TYPE "TEMPORARY"	0.00	AC	\$220.00	\$0.00

Construction Costs: \$0.00

Soft Costs

Engineering Design, Construction	
Admin, Geotechnical & Testing	\$0.00
Testing:	\$0.00
Review Fee:	\$0.00
Legal:	\$0.00
Fiscal:	\$0.00
Interest:	\$0.00

Total Soft Costs: \$0.00

Total Costs: \$0.00

SANITARY SEWER - OUTFALL REIMBURSABLE

Assumptions/Comments:

 FINAL

	Bid Item Description	Approximate		Unit Price	Total
		Quantity	Unit		
1.	CLEARING AND GRUBBING GENERAL	1.00	LS	\$18,555.00	\$18,555.00
2.	CLEARING AND GRUBBING TREES OVER 9" TO 18" DIAMETER	40.00	EA	\$185.00	\$7,400.00
3.	REMOVE PAVEMENT	58.66	SY	\$5.50	\$322.63
4.	REMOVE FENCE	257.50	LF	\$2.70	\$695.25
5.	REMOVE AND REPLACE FENCE	581.20	LF	\$10.05	\$5,841.06
6.	REMOVE, SALVAGE AND REINSTALL FENCE	148.00	LF	\$27.15	\$4,018.20
7.	REMOVE 12" MANHOLE STUBOUT	1.00	EA	\$715.00	\$715.00
8.	CONSTRUCT 8" SANITARY SEWER PIPE	2,004.00	LF	\$14.25	\$28,557.00
9.	CONSTRUCT 10" SANITARY SEWER PIPE	1,612.00	LF	\$16.65	\$26,839.80
10.	CONSTRUCT 12" SANITARY SEWER PIPE	586.81	LF	\$21.25	\$12,469.71
11.	BORE AND JACK 18" STEEL CASING W/12" DUCTILE IRON PIPE	360.00	LF	\$270.00	\$97,200.00
12.	CONSTRUCT 54" I.D. SANITARY MANHOLE (17 EA)	188.87	VF	\$282.75	\$53,402.99
13.	CONSTRUCT EXTENDED MANHOLE RING COLLAR	14.00	EA	\$285.00	\$3,990.00
14.	CONSTRUCT EXTERNAL FRAME SEAL	14.00	EA	\$345.00	\$4,830.00
15.	CONSTRUCT 12" CONNECTION TO EXISTING STRUCTURE	1.00	EA	\$225.00	\$225.00
16.	CONSTRUCT 8" PIPE BEDDING	1,207.00	LF	\$3.10	\$3,741.70
17.	CONSTRUCT 10" PIPE BEDDING	399.45	LF	\$3.50	\$1,398.08
18.	CONSTRUCT 12" PIPE BEDDING	0.00	LF	\$5.00	\$0.00
19.	STABILIZATION TRENCH W/ CRUSHED LIMESTONE	548.23	TN	\$30.00	\$16,446.90
20.	EXCAVATION FOR EXTRA DEEP SANITARY SEWER	932.00	VF-LF	\$9.55	\$8,900.60
21.	CONSTRUCT SILT FENCE	0.00	LF	\$2.00	\$0.00
22.	CLEANOUT SILT FENCE	0.00	LF	\$0.50	\$0.00
23.	EXPLORATORY EXPLORATION	3.00	HR	\$370.00	\$1,110.00
	ALTERNATE NO. 1				
24.	ADD ALTERNATE TO REPLACE MANHOLE S02 WITH SAMPLING MANHOLE PER CHANGE ORDER NO. 1	1.00	LS	\$18,537.70	\$18,537.70
25.	CONSTRUCT 18" R.C.P. CLASS III	55.00	LF	\$40.80	\$2,244.00
26.	CONSTRUCT 24" R.C.P. CLASS III	208.00	LF	\$42.55	\$8,850.40
27.	CONSTRUCT 18" PIPE BEDDING	55.00	LF	\$5.15	\$283.25
28.	CONSTRUCT 24" PIPE BEDDING PER CHANGE ORDER NO. 2	208.00	LF	\$5.45	\$1,133.60
29.	REMOVE AND REPLACE UNSUITABLE MATERIAL PER CHANGE ORDER NO. 3	3,234.00	CY	\$6.65	\$21,506.10
30.	NRD MIX WITH STRAW MULCH	10.90	AC	\$987.00	\$10,758.30
31.	LOW GROW NATIVE GRASS WITH MULCH	0.30	AC	\$1,491.00	\$447.30
32.	EROSION BLANKET PER CHANGE ORDER NO. 4	1,300.00	SY	\$1.15	\$1,495.00
33.	ANTI-SEEP COLLARS	6.00	EA	\$40.00	\$240.00
34.	SAMPLING MANHOLE MODIFICATION PER CHANGE ORDER NO. 5	1.00	LS	\$120.75	\$120.75
35.	OVER DEPTH EXCAVATION	1,693.24	LF-VF	\$7.50	\$12,699.30

Construction Costs: \$374,974.62

Soft Costs**Engineering Design, Construction**

Admin:	\$77,126.67
Testing:	\$10,788.35
Review Fee:	\$3,730.86
Legal:	\$18,748.73
Fiscal:	\$25,224.45
Interest:	<u>\$48,556.36</u>

Total Soft Costs: \$184,175.42

Total Costs: \$559,150.04

R

OUTFALL SEWER EASEMENT ACQUISITION - REIMBURSABLE

Assumptions/Comments:



FINAL

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1 .	SEIBOLD FARMS, LLC	1	LS	\$20,164.38	\$20,164.38
Estimated Costs:					\$20,164.38
<u>Soft Costs</u>					
Legal:					\$403.29
Fiscal:					\$1,089.06
Interest:					\$2,485.42
Total Soft Costs:					\$3,977.77
Total Costs:					\$24,142.15

STORM SEWER

Assumptions/Comments:

FINAL

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	GENERAL GRADING AND SHAPING	1.00	LS	\$5,000.00	\$5,000.00
2.	REMOVE SEWER PIPE	0.00	LF	\$12.41	\$0.00
3.	CONSTRUCT 18" R.C.P., CLASS III	695.00	LF	\$21.93	\$15,241.35
4.	CONSTRUCT 24" R.C.P., CLASS III	543.00	LF	\$28.52	\$15,486.36
5.	CONSTRUCT 30" R.C.P., CLASS III	871.00	LF	\$37.75	\$32,880.25
6.	CONSTRUCT 36" R.C.P., D(0.01) = 1,350	656.00	LF	\$48.95	\$32,111.20
7.	CONSTRUCT 42" R.C.P., D(0.01) = 1,350	422.00	LF	\$67.85	\$28,632.70
8.	CONSTRUCT 48" R.C.P., D(0.01) = 1,350	73.00	LF	\$80.78	\$5,896.94
9.	CONSTRUCT 60" R.C.P., D(0.01) = 1,350	183.00	LF	\$120.30	\$22,014.90
10.	CONSTRUCT 54" I.D. MANHOLE (4 EA)	23.54	VF	\$357.02	\$8,404.25
11.	CONSTRUCT 72" I.D. MANHOLE (1 EA)	7.60	VF	\$427.49	\$3,248.92
12.	CONSTRUCT MANHOLE RING COLLAR	5.00	EA	\$243.77	\$1,218.85
13.	CONSTRUCT 54" I.D. TYPE II AREA INLET (2 EA)	16.98	VF	\$244.47	\$4,151.10
14.	CONSTRUCT 72" I.D. TYPE II AREA INLET (3 EA)	24.78	VF	\$503.78	\$12,483.67
15.	CONSTRUCT MODIFIED CURB INLET	1.00	EA	\$1,466.62	\$1,466.62
16.	CONSTRUCT 18" PIPE BEDDING	695.00	LF	\$3.22	\$2,237.90
17.	CONSTRUCT 24" PIPE BEDDING	543.00	LF	\$4.15	\$2,253.45
18.	CONSTRUCT 30" PIPE BEDDING	871.00	LF	\$5.17	\$4,503.07
19.	CONSTRUCT 36" PIPE BEDDING	656.00	LF	\$6.26	\$4,106.56
20.	CONSTRUCT 42" PIPE BEDDING	422.00	LF	\$7.42	\$3,131.24
21.	CONSTRUCT 48" PIPE BEDDING	73.00	LF	\$8.67	\$632.91
22.	CONSTRUCT 60" PIPE BEDDING	191.00	LF	\$11.38	\$2,173.58
23.	CONSTRUCT 60" R.C. FLARED END SECTION W/BAR GRATE	2.00	EA	\$2,827.76	\$5,655.52
24.	CONSTRUCT TEMPORARY 15" HDPE INLET DIVERSION	1.00	EA	\$616.59	\$616.59
25.	STABILIZE TRENCH W/ CRUSHED LIMESTONE	0.00	TN	\$20.30	\$0.00
26.	ROLLED EROSION CONTROL, TYPE II	4,900.00	SY	\$1.06	\$5,194.00
27.	SEEDING - TYPE "DRAINAGEWAYS"	0.93	AC	\$1,025.57	\$953.78
28.	SEEDING - TYPE "NON IRRIGATED LAWN AND TURF SEED"	0.09	AC	\$1,311.04	\$117.99
29.	CONSTRUCT GABION AND REVET MATTRESS	22.30	CY	\$233.28	\$5,202.14
30.	CONSTRUCT ROCK RIP-RAP - TYPE "C"	108.00	TON	\$39.34	\$4,248.72
31.	REIMBURSEMENT FOR EXISTING SILT BASIN STORM SEWER	1.00	LS	\$24,511.00	\$24,511.00
32.	CONTRACTOR FEE FOR REIMBURSEMENT COORDINATION	1.00	LS	\$2,800.00	\$2,800.00
ADD PER CHANGE ORDER NO. 1					
33.	CONSTRUCT 8" SANITARY SWEER PIPE	28.00	LF	\$40.40	\$1,131.20
34.	CONSTRUCT 8" PIPE BEDDING	28.00	LF	\$4.11	\$115.08
ADD PER CHANGE ORDER NO. 2					
35.	CURB INLET D028 - BIRDBATH TO TOP OF PIPE, 84" FLATTOP (60" PIPE) - 9.48' DEEP	1.00	EA	\$2,400.00	\$2,400.00
36.	CURB INLET D027 - BIRDBATH TO TOP OF PIPE, 72" FLATTOP (60" PIPE) - 12.68' DEEP	1.00	EA	\$2,015.00	\$2,015.00
ADD PER CHANGE ORDER NO. 3					
37.	CURB INLET D03 - BIRDBATH INLET 48" UP (60" PIPE) - 8.07' DEEP	1.00	EA	\$1,615.00	\$1,615.00
38.	CURB INLET D04 - BIRDBATH INLET 42" UP (60" PIPE) - 7.49' DEEP	1.00	EA	\$1,560.00	\$1,560.00
ADD PER CHANGE ORDER NO. 4					
39.	GABION BASKET MATERIAL	1.00	LS	\$3,747.98	\$3,747.98

Construction Costs: \$269,159.82

Estimated Soft Costs

Engineering Design, Construction	
Admin:	\$66,541.02
Testing:	\$1,940.00
Review Fee:	\$3,201.64
Legal:	\$13,458.00
Fiscal:	\$18,670.36
Interest:	\$40,926.84

Total Soft Costs: \$144,737.86

Total Costs: \$413,897.68

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STORM SEWER G.O.

Assumptions/Comments:

FINAL
 Items over 48" at the 48" cost.
 See Below for Sarpy County Reimbursable

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	GENERAL GRADING AND SHAPING	1.00	LS	\$5,000.00	\$5,000.00
2.	REMOVE SEWER PIPE	0.00	LF	\$12.41	\$0.00
3.	CONSTRUCT 18" R.C.P., CLASS III	695.00	LF	\$21.93	\$15,241.35
4.	CONSTRUCT 24" R.C.P., CLASS III	543.00	LF	\$28.52	\$15,486.36
5.	CONSTRUCT 30" R.C.P., CLASS III	871.00	LF	\$37.75	\$32,880.25
6.	CONSTRUCT 36" R.C.P., D(0.01) = 1,350	656.00	LF	\$48.95	\$32,111.20
7.	CONSTRUCT 42" R.C.P., D(0.01) = 1,350	422.00	LF	\$67.85	\$28,632.70
8.	CONSTRUCT 48" R.C.P., D(0.01) = 1,350	73.00	LF	\$80.78	\$5,896.94
9.	CONSTRUCT 60" R.C.P., D(0.01) = 1,350	183.00	LF	\$80.78	\$14,782.74
10.	CONSTRUCT 54" I.D. MANHOLE (4 EA)	23.54	VF	\$357.02	\$8,404.25
11.	CONSTRUCT 72" I.D. MANHOLE (1 EA)	7.60	VF	\$357.02	\$2,713.35
12.	CONSTRUCT MANHOLE RING COLLAR	5.00	EA	\$243.77	\$1,218.85
13.	CONSTRUCT 54" I.D. TYPE II AREA INLET (2 EA)	16.98	VF	\$244.47	\$4,151.10
14.	CONSTRUCT 72" I.D. TYPE II AREA INLET (3 EA)	24.78	VF	\$503.78	\$12,483.67
15.	CONSTRUCT MODIFIED CURB INLET	1.00	EA	\$1,466.62	\$1,466.62
16.	CONSTRUCT 18" PIPE BEDDING	695.00	LF	\$3.22	\$2,237.90
17.	CONSTRUCT 24" PIPE BEDDING	543.00	LF	\$4.15	\$2,253.45
18.	CONSTRUCT 30" PIPE BEDDING	871.00	LF	\$5.17	\$4,503.07
19.	CONSTRUCT 36" PIPE BEDDING	656.00	LF	\$6.26	\$4,106.56
20.	CONSTRUCT 42" PIPE BEDDING	422.00	LF	\$7.42	\$3,131.24
21.	CONSTRUCT 48" PIPE BEDDING	73.00	LF	\$8.67	\$632.91
22.	CONSTRUCT 60" PIPE BEDDING	191.00	LF	\$8.67	\$1,655.97
23.	CONSTRUCT 60" R.C. FLARED END SECTION W/BAR GRATE	2.00	EA	\$2,000.00	\$4,000.00
24.	CONSTRUCT TEMPORARY 15" HDPE INLET DIVERSION	1.00	EA	\$616.59	\$616.59
25.	STABILIZE TRENCH W/ CRUSHED LIMESTONE	0.00	TN	\$20.30	\$0.00
26.	ROLLED EROSION CONTROL, TYPE II	4,900.00	SY	\$1.06	\$5,194.00
27.	SEEDING - TYPE "DRAINAGEWAYS"	0.93	AC	\$1,025.57	\$953.78
28.	SEEDING - TYPE "NON IRRIGATED LAWN AND TURF SEED"	0.09	AC	\$1,311.04	\$117.99
29.	CONSTRUCT GABION AND REVET MATTRESS	22.30	CY	\$233.28	\$5,202.14
30.	CONSTRUCT ROCK RIP-RAP - TYPE "C"	108.00	TON	\$39.34	\$4,248.72
31.	REIMBURSEMENT FOR EXISTING SILT BASIN STORM SEWER	1.00	LS	\$24,511.00	\$24,511.00
32.	CONTRACTOR FEE FOR REIMBURSEMENT COORDINATION	1.00	LS	\$2,800.00	\$2,800.00
ADD PER CHANGE ORDER NO. 1					
33.	CONSTRUCT 8" SANITARY SEWER PIPE	28.00	LF	\$40.40	\$1,131.20
34.	CONSTRUCT 8" PIPE BEDDING	28.00	LF	\$4.11	\$115.08
ADD PER CHANGE ORDER NO. 2					
35.	CURB INLET D028 - BIRDBATH TO TOP OF PIPE, 84" FLATTOP (60" PIPE) - 9.48' DEEP	1.00	EA	\$2,400.00	\$2,400.00
36.	CURB INLET D027 - BIRDBATH TO TOP OF PIPE, 72" FLATTOP (60" PIPE) - 12.68' DEEP	1.00	EA	\$2,015.00	\$1,344.00
ADD PER CHANGE ORDER NO. 3					
37.	CURB INLET D03 - BIRDBATH INLET 48" UP (60" PIPE) - 8.07' DEEP	1.00	EA	\$1,615.00	\$1,077.20
38.	CURB INLET D04 - BIRDBATH INLET 42" UP (60" PIPE) - 7.49' DEEP	1.00	EA	\$1,560.00	\$1,560.00
ADD PER CHANGE ORDER NO. 4					
39.	GABION BASKET MATERIAL	1.00	LS	\$3,747.98	\$3,747.98

Construction Costs: \$258,010.17

Estimated Soft Costs

Engineering Design, Construction

Admin:	\$66,541.02
95.86% Testing:	\$1,859.64
95.86% Review Fee:	\$3,069.02
95.86% Legal:	\$12,900.52
95.86% Fiscal:	\$17,896.96
95.86% Interest:	\$39,231.49

Total Soft Costs: \$141,498.64

Total General Obligation Costs: \$399,508.81

Total Sarpy County Reimbursable Costs: \$46,026.14

(see below)

Total SID General Obligation Costs: \$353,482.67

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120TH STREET STORM SEWER - Reimbursable

Assumptions/Comments:

FINAL

Includes storm sewer within 120th Street from HWY 370 south to the south property line. Cost sharing will be 1/3 (County) and 2/3 (SID 293).

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1 .	GENERAL GRADING AND SHAPING	0.00	LS	\$5,000.00	\$0.00
2 .	REMOVE SEWER PIPE	0.00	LF	\$12.41	\$0.00
3 .	CONSTRUCT 18" R.C.P., CLASS III	313.11	LF	\$21.93	\$6,866.50
4 .	CONSTRUCT 24" R.C.P., CLASS III	210.75	LF	\$28.52	\$6,010.59
5 .	CONSTRUCT 30" R.C.P., CLASS III	288.40	LF	\$37.75	\$10,887.10
6 .	CONSTRUCT 36" R.C.P., D(0.01) = 1,350	0.00	LF	\$48.95	\$0.00
7 .	CONSTRUCT 42" R.C.P., D(0.01) = 1,350	253.39	LF	\$67.85	\$17,192.51
8 .	CONSTRUCT 48" R.C.P., D(0.01) = 1,350	72.86	LF	\$80.78	\$5,885.63
9 .	CONSTRUCT 60" R.C.P., D(0.01) = 1,350	183.39	LF	\$120.30	\$22,061.82
10 .	CONSTRUCT 54" I.D. MANHOLE (1 EA)	5.55	VF	\$357.02	\$1,981.46
11 .	CONSTRUCT 72" I.D. MANHOLE (1 EA)	7.60	VF	\$427.49	\$3,248.92
12 .	CONSTRUCT MANHOLE RING COLLAR (2 EA)	2.00	EA	\$243.77	\$487.54
13 .	CONSTRUCT 54" I.D. TYPE II AREA INLET (2 EA)	0.00	VF	\$244.47	\$0.00
14 .	CONSTRUCT 72" I.D. TYPE II AREA INLET (3 EA)	0.00	VF	\$503.78	\$0.00
15 .	CONSTRUCT MODIFIED CURB INLET	0.00	EA	\$1,466.62	\$0.00
16 .	CONSTRUCT 18" PIPE BEDDING	313.11	LF	\$3.22	\$1,008.21
17 .	CONSTRUCT 24" PIPE BEDDING	210.75	LF	\$4.15	\$874.61
18 .	CONSTRUCT 30" PIPE BEDDING	288.40	LF	\$5.17	\$1,491.03
19 .	CONSTRUCT 36" PIPE BEDDING	0.00	LF	\$6.26	\$0.00
20 .	CONSTRUCT 42" PIPE BEDDING	253.39	LF	\$7.42	\$1,880.15
21 .	CONSTRUCT 48" PIPE BEDDING	72.86	LF	\$8.67	\$631.70
22 .	CONSTRUCT 60" PIPE BEDDING	183.39	LF	\$11.38	\$2,086.98
23 .	CONSTRUCT 60" R.C. FLARED END SECTION W/BAR GRATE (2 EA)	2.00	EA	\$2,827.76	\$5,655.52
24 .	CONSTRUCT TEMPORARY 15" HDPE INLET DIVERSION	0.00	EA	\$616.59	\$0.00
25 .	STABILIZE TRENCH W/ CRUSHED LIMESTONE	0.00	TN	\$20.30	\$0.00
26 .	ROLLED EROSION CONTROL, TYPE II	0.00	SY	\$1.06	\$0.00
27 .	SEEDING - TYPE "DRAINAGEWAYS"	0.00	AC	\$1,025.57	\$0.00
28 .	SEEDING - TYPE "NON IRRIGATED LAWN AND TURF SEED"	0.00	AC	\$1,311.04	\$0.00
29 .	CONSTRUCT GABION AND REVET MATTRESS	22.30	CY	\$233.28	\$5,202.14
30 .	CONSTRUCT ROCK RIP-RAP - TYPE "C"	108.00	TON	\$39.34	\$4,248.72
31 .	REIMBURSEMENT FOR EXISTING SILT BASIN STORM SEWER	0.00	LS	\$24,511.00	\$0.00
32 .	CONTRACTOR FEE FOR REIMBURSEMENT COORDINATION	0.00	LS	\$2,800.00	\$0.00
ADD PER CHANGE ORDER NO. 1					
33 .	CONSTRUCT 8" SANITARY SWEEP PIPE	0.00	LF	\$40.40	\$0.00
34 .	CONSTRUCT 8" PIPE BEDDING	0.00	LF	\$4.11	\$0.00
ADD PER CHANGE ORDER NO. 2					
35 .	CURB INLET D028 - BIRDBATH TO TOP OF PIPE, 84" FLATTOP (60" PIPE) - 9.48' DEEP	1.00	EA	\$2,400.00	\$2,400.00
36 .	CURB INLET D027 - BIRDBATH TO TOP OF PIPE, 72" FLATTOP (60" PIPE) - 12.68' DEEP	1.00	EA	\$2,015.00	\$2,015.00
ADD PER CHANGE ORDER NO. 3					
37 .	CURB INLET D03 - BIRDBATH INLET 48" UP (60" PIPE) - 8.07' DEEP	1.00	EA	\$1,615.00	\$1,615.00
38 .	CURB INLET D04 - BIRDBATH INLET 42" UP (60" PIPE) - 7.49' DEEP	1.00	EA	\$1,560.00	\$1,560.00
ADD PER CHANGE ORDER NO. 4					
39 .	GABION BASKET MATERIAL	1.00	LS	\$3,747.98	\$3,747.98

Construction Costs: \$109,039.12
40.5% of total Storm Sewer

Soft Costs

Engineering Design, Construction	
Admin:	\$26,956.38
Testing:	\$785.91
Review Fee:	\$1,297.01
Legal:	\$0.00
Fiscal:	\$0.00
Interest:	\$0.00

Total Soft Costs: \$29,039.31

Total 120th Street Storm Sewer Costs: \$138,078.43
(excluding Legal, Fiscal & Interest)

Sarpy County Reimbursable (1/3) \$46,026.14

PAVING - TOTAL (Includes Section 1 - 120th Street & Highway 370 Improvements & Section 2 - Minor Private)

		Private & 120th Street (Engineering - Specials)	Private, 120th Street, Highway 370 (Testing, Review Fee)	120th St. & Highway 370 (Legal)
Tasks 050/350	Paving Section 2 - Minor (Private) Construction Cost	\$454,523.20	42.5%	0.0%
Tasks 050/350	Paving Section 1 - 120th Street Construction Cost	\$614,455.07	57.5%	68.4%
Tasks 055/355	Paving Section 1 - Highway 370 Construction Cost	\$283,531.35	0.0%	31.6%
	Total Paving Construction Costs:	\$1,352,509.62	100.0%	100.0%
Tasks 050/350	Special Assessment Engineering	\$98,000.00		
Tasks 050/350	Paving Section 1 - 120th Street - GO Engineering	\$65,826.52		
Tasks 055/355	Highway 370 - GO Engineering	\$78,294.92		
	Total Engineering Design & Construction Admin:	\$242,121.44		
	Total Testing:	\$18,954.00		
	Total Review Fees:	\$15,261.17		
	Total Legal:	\$44,899.33		
	*Total Fiscal:	\$61,742.88		
	*Total Interest:	\$86,170.17		
	Total Paving Project Costs :	\$1,821,658.61		

*Fiscal & Interest Pro-rated based on Project Costs

PAVING SECTION 2 - MINOR (PRIVATE)

Assumptions/Comments:

FINAL
Includes interior residential. See 120th Street for additional paving costs.
Fiscal and interest in private only on engineering, CA, testing and review in private

Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1. REMOVE TEMPORARY 15" HDPE DIVERSION	0	EA	\$100.00	\$0.00
2. 7" CONCRETE PAVEMENT - TYPE L6	15,505	SY	\$24.15	\$374,445.75
3. COMMON EARTH EXCAVATION	5,170	CY	\$2.68	\$13,855.60
4. FAULTY SUBGRADE - REMOVE AND REPLACE	0	CY	\$12.00	\$0.00
5. CONSTRUCT CURB INLET	9	EA	\$2,720.00	\$24,480.00
6. MOW STRIP	0	SF	\$6.66	\$0.00
7. CONSTRUCT TEMPORARY CURB AND GUTTER	146	LF	\$18.00	\$2,628.00
8. ADJUST MANHOLE TO GRADE (23 SAN)	23	EA	\$190.00	\$4,370.00
9. CONSTRUCT EXTERNAL FRAME SEAL	22	EA	\$340.00	\$7,480.00
10. CONCRETE HEADER	93	LF	\$8.00	\$744.00
11. CONSTRUCT BARRICADE	3	EA	\$920.00	\$2,760.00
12. JET EXISTING SEWER	10,900	LF	\$0.80	\$8,720.00
13. TIE BAR SIZE INCREASE AND SPACING DECREASE	15,505	SY	\$0.97	\$15,039.85

Construction Costs: \$454,523.20

Soft Costs

Engineering Design & Construction Admin	\$41,669.02
Testing:	\$6,369.66
Review Fee:	\$5,128.66
Legal:	\$0.00
Fiscal:	\$2,658.37
Interest:	\$5,534.51

Fiscal & Interest only on Engineering Design & CA + Testing & Review Fee

Total Estimated Soft Costs: \$61,360.21

Total Estimated Costs: \$515,883.41

W

PAVING SECTION 1 - 120TH STREET & RESIDENTIAL STREET ENTRANCES



Assumptions/Comments:

FINAL
120th Street from Hwy 370 to south property line AND the entrances to the residential lots.

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1.	7" CONCRETE PAVEMENT - TYPE L65	17,600	SY	\$25.55	\$449,680.00
2.	COMMON EARTH EXCAVATION	5,900	CY	\$2.17	\$12,803.00
3.	FAULTY SUBGRADE - REMOVE AND REPLACE	0	CY	\$12.83	\$0.00
4.	CONSTRUCT CURB INLET	8	EA	\$2,977.70	\$23,821.60
5.	MOW STRIP	0	SF	\$6.34	\$0.00
6.	MEDIAN SURFACING	0	SF	\$7.01	\$0.00
7.	CONSTRUCT TEMPORARY CURB AND GUTTER ADJUST MANHOLE TO GRADE	79	LF	\$20.81	\$1,643.99
8.	(1 SAN)	1	EA	\$204.54	\$204.54
9.	CONSTRUCT EXTERNAL FRAME SEAL	1	EA	\$451.79	\$451.79
10.	CONCRETE HEADER	32	LF	\$13.70	\$438.40
11.	CONSTRUCT CUSTOM BARRICADE	1	EA	\$2,245.85	\$2,245.85
12.	4" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED	0	LF	\$3.89	\$0.00
13.	8" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED	0	LF	\$7.79	\$0.00
14.	12" WHITE, PERMANENT PAVEMENT MARKING PAINT	170	LF	\$2.09	\$355.30
15.	4" WHITE, PERMANENT PAVEMENT MARKING PAINT	1,419	LF	\$0.43	\$610.17
16.	JET EXISTING SEWER	850	LF	\$0.97	\$824.50
17.	SEEDING - TYPE "TEMPORARY SEED MIX"	0	AC	\$550.00	\$0.00
18.	CONSTRUCT 6" THICK TRAIL	0	SF	\$2.77	\$0.00
19.	CONSTRUCT 4" SIDEWALK	0	SF	\$5.11	\$0.00
20.	CONSTRUCT HANDICAP RAMP	0	SF	\$9.77	\$0.00
21.	PER CHANGE ORDER NO. 1 FLYASH STABILIZATION	4,653	SY	\$14.60	\$67,933.80
22.	PER CHANGE ORDER NO. 2 9" CONCRETE PAVEMENT - TYPE L65 (COST INCREASE FROM 7" TO 9")	4,100	SY	\$5.61	\$23,001.00
23.	DRILL AND GROUT 1" X 18" DOWEL BARS @ 12" O.C.	50	EA	\$15.00	\$750.00
24.	PER CHANGE ORDER NO. 3 ADDITIONAL FLYASH STABILIZATION	1,046.00	SY	\$14.80	\$15,271.60
25.	DRIVEWAY MANHOLE ADJUSTMENT	1	LS	\$1,066.58	\$1,066.58
26.	DRIVEWAY GRADING	1	LS	\$1,290.00	\$1,290.00
27.	PER CHANGE ORDER NO. 6 8" WHITE, PERMANENT PAVEMENT MARKING PAINT	400	LF	\$0.86	\$344.00
28.	12" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4 GROOVED LESS FAILED TESTS	943	LF	\$12.65	\$11,928.95 -\$210.00

Construction Costs: \$614,455.07

Estimated Soft Costs

Engineering Design,	\$122,157.50
Testing:	\$8,610.94
Review Fee:	\$6,933.26
Legal:	\$30,722.76
Fiscal:	\$39,678.90
Interest:	\$54,022.83

Total Estimated Soft Costs: \$262,126.19

Total Estimated Costs: \$876,581.26



PAVING SECTION 1 - HIGHWAY 370 IMPROVEMENTS

Assumptions/Comments:

- FINAL
- Highway 370 Decel Lane

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1.	MOBILIZATION	1	LS	\$16,225.00	\$16,225.00
2.	CLEARING AND GRUBBING GENERAL	1	LS	\$2,159.85	\$2,159.85
3.	REMOVE PAVEMENT	1,250	SY	\$5.53	\$6,912.50
4.	REMOVE ASPHALT SURFACE	600	SY	\$5.53	\$3,318.00
5.	SAWING PAVEMENT	800	LF	\$4.05	\$3,240.00
6.	REMOVE CULVERT PIPE	135	LF	\$14.40	\$1,944.00
7.	REMOVE CONCRETE MEDIAN SURFACING	25	SY	\$5.53	\$138.25
8.	REMOVE FLARED-END SECTION	3	EA	\$214.55	\$643.65
9.	REMOVE SIGN AND POST	1	EA	\$185.75	\$185.75
10.	REMOVE AND RELOCATE MAILBOX	2	EA	\$241.91	\$483.82
11.	REMOVE PULL BOX	3	EA	\$208.79	\$626.37
12.	REMOVE EXISTING 2" CONDUIT	675	LF	\$3.20	\$2,160.00
13.	EARTHWORK (EXCAVATION)	350	CY	\$4.80	\$1,680.00
14.	EARTHWORK (EMBANKMENT)	2,000	CY	\$6.48	\$12,960.00
15.	SUBGRADE PREPARATION (ROADWAY)	3,500	SY	\$2.00	\$7,000.00
16.	10" DOWELED CONCRETE PAVEMENT, CLASS 47B-3500	2,239	SY	\$43.94	\$98,381.66
17.	FOUNDATION COURSE 4"	2,505	SY	\$7.05	\$17,660.25
18.	4" PERFORATED PIPE UNDERDRAIN	600	LF	\$7.70	\$4,620.00
19.	CONCRETE MEDIAN SURFACING, PLAN 301-R10	0	SY	\$68.28	\$0.00
20.	MEDIAN NOSE	1	EA	\$1,283.24	\$1,283.24
21.	THICKENED EDGE PAVEMENT	100	LF	\$7.06	\$706.00
22.	4" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED	0	LF	\$3.89	\$0.00
23.	5" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED	485	LF	\$4.46	\$2,163.10
24.	8" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED	0	LF	\$7.79	\$0.00
25.	12" WHITE, PERMANENT PAVEMENT MARKING PAINT	170	LF	\$1.05	\$178.50
26.	LEFT ARROW, PREFORMED PAVEMENT MARKING, TYPE 4, GROOVED	1	EA	\$396.00	\$396.00
27.	PAINT MEDIAN NOSE	1	EA	\$396.00	\$396.00
28.	SEEDING, TYPE "A"	0.00	AC	\$2,640.00	\$0.00
29.	SEEDING, TYPE "B"	0.00	AC	\$2,640.00	\$0.00
30.	CONSTRUCT SILT FENCE	0	LF	\$2.48	\$0.00
31.	TURF REINFORCEMENT MAT - CLASS 1D	0	SY	\$1.54	\$0.00
32.	TURF REINFORCEMENT MAT - CLASS 2A	0	SY	\$5.72	\$0.00
33.	EROSION CHECKS, WATTLE	0	LF	\$2.20	\$0.00
34.	INLET PROTECTION	0	EA	\$229.90	\$0.00
35.	STABILIZE TRENCH WITH CRUSHED LIMESTONE	0	TN	\$35.95	\$0.00
36.	18" REINFORCED CONCRETE SEWER PIPE	253	LF	\$31.12	\$7,873.36
37.	24" REINFORCED CONCRETE SEWER PIPE	173	LF	\$43.18	\$7,470.14
38.	24" FLARED-END SECTION	1	EA	\$994.54	\$994.54
39.	AREA INLET	1	EA	\$4,431.68	\$4,431.68
40.	CURB INLET 443-R8	2	EA	\$2,977.70	\$5,955.40
41.	MOUNTABLE CURB INLET	3	EA	\$5,878.90	\$17,636.70
42.	ADJUST MANHOLE TO GRADE	4	EA	\$266.35	\$1,065.40
43.	ADJUST VALVE TO GRADE	4	EA	\$102.27	\$409.08
44.	2/C #14 AWG DETECTOR LEAD-IN CABLE	215	LF	\$1.38	\$296.70
45.	PULL BOX PB-1	3	EA	\$1,144.00	\$3,432.00
46.	PULL BOX PB-1A	1	EA	\$1,072.50	\$1,072.50
47.	2" CONDUIT PVC - TRENCHED	675	LF	\$7.70	\$5,197.50
48.	3" CONDUIT PVC - TRENCHED	175	LF	\$25.03	\$4,380.25
49.	VEHICLE DETECTOR, TYPE A PREFORMED	8	EA	\$313.50	\$2,508.00
50.	VEHICLE DETECTOR, TYPE B PREFORMED	6	EA	\$368.50	\$2,211.00
51.	OPTICOM SYSTEM	1	EA	\$9,333.50	\$9,333.50
52.	BARRICADE, TYPE II	3,200	BDAY	\$0.61	\$1,952.00
53.	BARRICADE, TYPE III	450	BDAY	\$2.42	\$1,089.00
54.	TEMPORARY SIGN DAY	675	EA	\$0.88	\$594.00
55.	TEMPORARY TRAFFIC SIGNAL	1	EA	\$12,573.00	\$12,573.00
56.	PER CHANGE ORDER NO. 4 REMOVE AND RELOCATE LIGHT POLE AND BASE	1	LS	\$3,803.80	\$3,803.80
57.	PER CHANGE ORDER NO. 5 ARROW BOARD	56	DAYS	\$45.32	\$2,537.92
58.	PER CHANGE ORDER NO. 6 PAINT REMOVAL	169	LF	\$2.26	\$381.94
59.	HIGHWAY CLOSURE	1	LS	\$870.00	\$870.00

Construction Costs: \$283,531.35

21.0% Of Total Paving, Section I
100.0% Of 120th Street and Paving Major

Soft Costs

Engineering Design & CA	\$78,294.92
Testing:	\$3,973.39
Review Fee:	\$3,199.25
Legal:	\$14,178.57
Fiscal:	\$19,405.61
Interest:	\$26,612.84

Total Estimated Soft Costs: \$145,662.59


Total Costs: \$429,193.94

PAVING - GO TOTAL

			% of total Const. Cost	120th Street & Highway 370 (Testing, Review Fee)
Tasks 050/350	Paving Section 2 - Minor (Private) Construction Cost - GO Allowable	\$0.00	0.0%	0.0%
Tasks 050/350	Paving Section 1 - 120th Street Construction Cost - GO Allowable	\$330,965.06	53.9%	53.9%
Tasks 055/355	Paving Section 1 - Highway 370 Construction Cost - GO Allowable	\$283,531.35	100.0%	46.1%
	Total Construction Costs - GO Allowable	\$614,496.41	45.4%	100.0%
Tasks 050/350	Paving Section 1 - 120th Street - GO Engineering	\$65,826.52		
Tasks 055/355	Highway 370 - GO Engineering	\$78,294.92		
	Total Engineering Design, Construction Admin GO Allowable	\$144,121.44		
	Testing GO Allowable:	\$8,611.52		
	Review Fee Allowable:	\$6,933.73		
	Legal GO Allowable:	\$30,724.83		
	Fiscal GO Allowable	\$40,777.93		
	Interest GO Allowable	\$55,711.25		
	GO - 120th Street (Less Reimbursables)	\$214,346.44		
	GO - Highway 370 (Less Reimbursable)	\$386,274.54		
	TOTAL PAVING GO	\$600,620.98		

PAVING SECTION 2 - MINOR (PRIVATE) GO

Assumptions/Comments:

 Paid for privately - NO G.O. Costs

	Bid Item Description	Approximate		Unit Price	Total
		Quantity	Unit		
1.	REMOVE TEMPORARY 15" HDPE DIVERSION	0	EA	\$100.00	\$0.00
2.	7" CONCRETE PAVEMENT - TYPE L6	0	SY	\$24.15	\$0.00
3.	COMMON EARTH EXCAVATION	0	CY	\$2.68	\$0.00
4.	FAULTY SUBGRADE - REMOVE AND REPLACE	0	CY	\$12.00	\$0.00
5.	CONSTRUCT CURB INLET	0	EA	\$2,720.00	\$0.00
6.	MOW STRIP	0	SF	\$6.66	\$0.00
7.	CONSTRUCT TEMPORARY CURB AND GUTTER	0	LF	\$18.00	\$0.00
8.	ADJUST MANHOLE TO GRADE (23 SAN)	0	EA	\$190.00	\$0.00
9.	CONSTRUCT EXTERNAL FRAME SEAL	0	EA	\$340.00	\$0.00
10.	CONCRETE HEADER	0	LF	\$8.00	\$0.00
11.	CONSTRUCT BARRICADE	0	EA	\$920.00	\$0.00
12.	JET EXISTING SEWER	0	LF	\$0.80	\$0.00

Construction Costs: \$0.00

Soft Costs

Engineering Design,	\$0.00
Construction Admin,	\$0.00
Legal:	\$0.00
Fiscal:	\$0.00
Interest:	\$0.00

Total Soft Costs: \$0.00

Total Costs: \$0.00

2

PAVING SECTION 1 - 120th Street - G.O.

Assumptions/Comments:

FINAL
Intersection paving and extra width paving beyond 25'.

	Bid Item Description	Approximate		Unit Price	Total
		Quantity	Unit		
1.	7" CONCRETE PAVEMENT - TYPE L65	6,931.66	SY	\$25.55	\$177,103.91
2.	COMMON EARTH EXCAVATION	2,310.55	CY	\$2.17	\$5,013.89
3.	FAULTY SUBGRADE - REMOVE AND REPLACE	0	CY	\$12.83	\$0.00
4.	CONSTRUCT CURB INLET	8	EA	\$2,977.70	\$23,821.60
5.	MOW STRIP	0	SF	\$6.34	\$0.00
6.	MEDIAN SURFACING	0	SF	\$7.01	\$0.00
7.	CONSTRUCT TEMPORARY CURB AND GUTTER ADJUST MANHOLE TO GRADE (1 SAN)	0	EA	\$204.54	\$0.00
8.	CONSTRUCT EXTERNAL FRAME SEAL	0	EA	\$451.79	\$0.00
9.	CONCRETE HEADER	32	LF	\$13.70	\$438.40
10.	CONSTRUCT CUSTOM BARRICADE	1	EA	\$2,245.85	\$2,245.85
11.	4" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED	0	LF	\$3.89	\$0.00
12.	8" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED	0	LF	\$7.79	\$0.00
13.	12" WHITE, PERMANENT PAVEMENT MARKING PAINT	170	LF	\$2.09	\$355.30
14.	4" WHITE, PERMANENT PAVEMENT MARKING PAINT	1,419	LF	\$0.43	\$610.17
15.	JET EXISTING SEWER	0	LF	\$0.97	\$0.00
16.	SEEDING - TYPE "TEMPORARY SEED MIX"	0.00	AC	\$550.00	\$0.00
17.	CONSTRUCT 6" THICK TRAIL	0	SF	\$2.77	\$0.00
18.	CONSTRUCT 4" SIDEWALK	0	SF	\$5.11	\$0.00
19.	CONSTRUCT HANDICAP RAMP	0	SF	\$9.77	\$0.00
20.	PER CHANGE ORDER NO. 1 FLYASH STABILIZATION	4,653	SY	\$14.60	\$67,933.80
21.	PER CHANGE ORDER NO. 2 9" CONCRETE PAVEMENT - TYPE L65 (COST INCREASE FROM 7" TO 9")	4,100	SY	\$5.61	\$23,001.00
22.	DRILL AND GROUT 1" X 18" DOWEL BARS @ 12" O.C. PER CHANGE ORDER NO. 3	50	EA	\$15.00	\$750.00
23.	ADDITIONAL FLYASH STABILIZATION	1,046	SY	\$14.60	\$15,271.60
24.	DRIVEWAY MANHOLE ADJUSTMENT	1	LS	\$1,066.58	\$1,066.58
25.	DRIVEWAY GRADING	1	LS	\$1,290.00	\$1,290.00
26.	PER CHANGE ORDER NO. 6 8" WHITE, PERMANENT PAVEMENT MARKING PAINT	400	SY	\$0.86	\$344.00
27.	12" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4 GROOVED	943	SY	\$12.65	\$11,928.95
28.	LESS FAILED TESTS				-\$210.00

Construction Costs: \$330,965.06

53.9% Of Total Paving GO

Soft Costs

Engineering Design & Construction Admin	\$65,826.52
Testing:	\$4,638.13
Review Fee:	\$3,734.48
Legal:	\$16,548.26
Fiscal:	\$21,372.32
Interest:	\$29,098.41

Total Soft Costs: \$141,218.11

Total Allowable General Obligation Costs: \$472,183.17

Total SID General Obligation Costs \$214,346.44

(% of Total Allowable 120th General Obligation)

120th Street Total	\$876,581.26
-Future SID Reimbursable	-\$265,745.37
-Sarpy County Reimbursable	-\$212,913.89
SID 293 Costs - % of Net	45.4% \$397,922.00

120TH STREET PAVING - Reimbursable

Assumptions/Comments:

120th Street from Hwy 370 south to the south property line.
 Excludes the entrances to the residential lots and Clark Property.
 Excludes the Hwy 370 Deceleration Lane & Excludes sidewalk/trail

	Bid Item Description	Approximate		Unit Price	Total
		Quantity	Unit		
1.	7" CONCRETE PAVEMENT - TYPE L65	14,166	SY	\$25.55	\$361,941.30
2.	COMMON EARTH EXCAVATION	4,722	CY	\$2.17	\$10,246.74
3.	FAULTY SUBGRADE - REMOVE AND REPLACE	0	CY	\$12.83	\$0.00
4.	CONSTRUCT CURB INLET	8	EA	\$2,977.70	\$23,821.60
5.	MOW STRIP	0	SF	\$6.34	\$0.00
6.	MEDIAN SURFACING	0	SF	\$7.01	\$0.00
7.	CONSTRUCT TEMPORARY CURB AND GUTTER ADJUST MANHOLE TO GRADE	79	LF	\$20.81	\$1,643.99
8.	(1 SAN)	1	EA	\$204.54	\$204.54
9.	CONSTRUCT EXTERNAL FRAME SEAL	1	EA	\$451.79	\$451.79
10.	CONCRETE HEADER	32	LF	\$13.70	\$438.40
11.	CONSTRUCT CUSTOM BARRICADE	1	EA	\$2,245.85	\$2,245.85
12.	4" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED	0	LF	\$3.89	\$0.00
13.	8" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED	0	LF	\$7.79	\$0.00
14.	12" WHITE, PERMANENT PAVEMENT MARKING PAINT	170	LF	\$2.09	\$355.30
15.	4" WHITE, PERMANENT PAVEMENT MARKING PAINT	1,419	LF	\$0.43	\$610.17
16.	JET EXISTING SEWER	850	LF	\$0.97	\$824.50
17.	SEEDING - TYPE "TEMPORARY SEED MIX"	0	AC	\$550.00	\$0.00
18.	CONSTRUCT 6" THICK TRAIL	0	SF	\$2.77	\$0.00
19.	CONSTRUCT 4" SIDEWALK	0	SF	\$5.11	\$0.00
20.	CONSTRUCT HANDICAP RAMP	0	SF	\$9.77	\$0.00
21.	PER CHANGE ORDER NO. 1 FLYASH STABILIZATION	4,653	SY	\$14.60	\$67,933.80
22.	PER CHANGE ORDER NO. 2				
23.	9" CONCRETE PAVEMENT - TYPE L65 (COST INCREASE FROM 7" TO 9")	4,100	SY	\$5.61	\$23,001.00
24.	DRILL AND GROUT 1" X 18" DOWEL BARS @ 12" O.C.	50	EA	\$15.00	\$750.00
25.	PER CHANGE ORDER NO. 3				
26.	ADDITIONAL FLYASH STABILIZATION	1,046	SY	\$14.60	\$15,271.60
27.	DRIVEWAY MANHOLE ADJUSTMENT	0	LS	\$1,066.58	\$0.00
28.	DRIVEWAY GRADING	0	LS	\$1,290.00	\$0.00
29.	PER CHANGE ORDER NO. 6				
30.	8" WHITE, PERMANENT PAVEMENT MARKING PAINT	400	LF	\$0.86	\$344.00
31.	12" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4 GROOVED	943	LF	\$12.65	\$11,928.95
32.	LESS FAILED TESTS				-\$210.00

Construction Costs: \$522,803.53
 84.9% of Total 120th Street Costs

Estimated Soft Costs

Engineering Design & CA	\$103,737.80
Testing:	\$7,312.53
Review Fee:	\$5,887.82
Legal:	\$26,090.18
Fiscal:	\$33,695.86
Interest:	\$45,876.91

Total Estimated Soft Costs: \$222,601.10

Total Estimated Costs: **\$744,404.63**

Estimated 1/3 Sarpy County Contribution
 1/3 Estimated Construction Costs: \$173,934.51

1/3 Estimated Soft Costs:
 Engineering Design, Construction Admin,
 Geotechnical & Testing & Review Fee \$38,979.38

Total Estimated Costs Sarpy County: **\$212,913.89**

Estimated 1/3 Contribution - Future East SID **\$265,745.37**

Estimated 1/3 Contribution - Ashbury Farm SID **\$265,745.37**

Ab

PAVING SECTION 1 - HIGHWAY 370 G.O.

Assumptions/Comments:

FINAL
Highway 370 Decel Lane

	Bid Item Description	Approximate		Unit Price	Total
		Quantity	Unit		
1.	MOBILIZATION	1	LS	\$16,225.00	\$16,225.00
2.	CLEARING AND GRUBBING GENERAL	1	LS	\$2,159.85	\$2,159.85
3.	REMOVE PAVEMENT	1,250	SY	\$5.53	\$6,912.50
4.	REMOVE ASPHALT SURFACE	600	SY	\$5.53	\$3,318.00
5.	SAWING PAVEMENT	800	LF	\$4.05	\$3,240.00
6.	REMOVE CULVERT PIPE	135	LF	\$14.40	\$1,944.00
7.	REMOVE CONCRETE MEDIAN SURFACING	25	SY	\$5.53	\$138.25
8.	REMOVE FLARED-END SECTION	3	EA	\$214.55	\$643.65
9.	REMOVE SIGN AND POST	1	EA	\$185.75	\$185.75
10.	REMOVE AND RELOCATE MAILBOX	2	EA	\$241.91	\$483.82
11.	REMOVE PULL BOX	3	EA	\$208.79	\$626.37
12.	REMOVE EXISTING 2" CONDUIT	675	LF	\$3.20	\$2,160.00
13.	EARTHWORK (EXCAVATION)	350	CY	\$4.80	\$1,680.00
14.	EARTHWORK (EMBANKMENT)	2,000	CY	\$6.48	\$12,960.00
15.	SUBGRADE PREPARATION (ROADWAY)	3,500	SY	\$2.00	\$7,000.00
16.	10" DOWELED CONCRETE PAVEMENT, CLASS 47B-3500	2,239	SY	\$43.94	\$98,381.66
17.	FOUNDATION COURSE 4"	2,505	SY	\$7.05	\$17,660.25
18.	4" PERFORATED PIPE UNDERDRAIN	600	LF	\$7.70	\$4,620.00
19.	CONCRETE MEDIAN SURFACING, PLAN 301-R10	0	SY	\$68.28	\$0.00
20.	MEDIAN NOSE	1	EA	\$1,283.24	\$1,283.24
21.	THICKENED EDGE PAVEMENT	100	LF	\$7.06	\$706.00
22.	4" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED	0	LF	\$3.89	\$0.00
23.	5" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED	485	LF	\$4.46	\$2,163.10
24.	8" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED	0	LF	\$7.79	\$0.00
25.	12" WHITE, PERMANENT PAVEMENT MARKING PAINT	170	LF	\$1.05	\$178.50
26.	LEFT ARROW, PREFORMED PAVEMENT MARKING, TYPE 4, GROOVED	1	EA	\$396.00	\$396.00
27.	PAINT MEDIAN NOSE	1	EA	\$396.00	\$396.00
28.	SEEDING, TYPE "A"	0.00	AC	\$2,640.00	\$0.00
29.	SEEDING, TYPE "B"	0.00	AC	\$2,640.00	\$0.00
30.	CONSTRUCT SILT FENCE	0	LF	\$2.48	\$0.00
31.	TURF REINFORCEMENT MAT - CLASS 1D	0	SY	\$1.54	\$0.00
32.	TURF REINFORCEMENT MAT - CLASS 2A	0	SY	\$5.72	\$0.00
33.	EROSION CHECKS, WATTLE	0	LF	\$2.20	\$0.00
34.	INLET PROTECTION	0	EA	\$229.90	\$0.00
35.	STABILIZE TRENCH WITH CRUSHED LIMESTONE	0	TN	\$35.95	\$0.00
36.	18" REINFORCED CONCRETE SEWER PIPE	253	LF	\$31.12	\$7,873.36
37.	24" REINFORCED CONCRETE SEWER PIPE	173	LF	\$43.18	\$7,470.14
38.	24" FLARED-END SECTION	1	EA	\$994.54	\$994.54
39.	AREA INLET	1	EA	\$4,431.68	\$4,431.68
40.	CURB INLET 443-R8	2	EA	\$2,977.70	\$5,955.40
41.	MOUNTABLE CURB INLET	3	EA	\$5,878.90	\$17,636.70
42.	ADJUST MANHOLE TO GRADE	4	EA	\$266.35	\$1,065.40
43.	ADJUST VALVE TO GRADE	4	EA	\$102.27	\$409.08
44.	2/C #14 AWG DETECTOR LEAD-IN CABLE	215	LF	\$1.38	\$296.70
45.	PULL BOX PB-1	3	EA	\$1,144.00	\$3,432.00
46.	PULL BOX PB-1A	1	EA	\$1,072.50	\$1,072.50
47.	2" CONDUIT PVC - TRENCHED	675	LF	\$7.70	\$5,197.50
48.	3" CONDUIT PVC - TRENCHED	175	LF	\$25.03	\$4,380.25
49.	VEHICLE DETECTOR, TYPE A PREFORMED	8	EA	\$313.50	\$2,508.00
50.	VEHICLE DETECTOR, TYPE B PREFORMED	6	EA	\$368.50	\$2,211.00
51.	OPTICOM SYSTEM	1	EA	\$9,333.50	\$9,333.50
52.	BARRICADE, TYPE II	3,200	BDAY	\$0.61	\$1,952.00
53.	BARRICADE, TYPE III	450	BDAY	\$2.42	\$1,089.00
54.	TEMPORARY SIGN DAY	675	EA	\$0.88	\$594.00
55.	TEMPORARY TRAFFIC SIGNAL	1	EA	\$12,573.00	\$12,573.00
56.	PER CHANGE ORDER NO. 4 REMOVE AND RELOCATE LIGHT POLE AND BASE	1	LS	\$3,803.80	\$3,803.80
57.	PER CHANGE ORDER NO. 5 ARROW BOARD	56	DAYS	\$45.32	\$2,537.92
58.	PER CHANGE ORDER NO. 6 PAINT REMOVAL	169	LF	\$2.26	\$381.94
59.	HIGHWAY CLOSURE	1	LS	\$870.00	\$870.00

Construction Costs: \$283,531.35

Soft Costs

Engineering Design &	\$78,294.92
Testing:	\$3,973.39
Review Fee:	\$3,199.25
Legal:	\$14,176.57
Fiscal:	\$19,405.61
Interest:	\$26,812.84

Total Soft Costs: \$145,662.59

Total Costs: \$429,193.94

Reimbursible from Adj SID (10%): \$42,919.39

Total Ashbury Farm GO: \$386,274.54

Ac

Highway 370 Contribution - G.O.

Assumptions/Comments:

Highway south contribution = \$603,858.69 (Per interlocal agreement with SID 290, Sarpy County)
SID 293 Property frontage is 1985' of 3308' or 60%

	Bid Item Description	Approximate		Unit Price	Total
		Quantity	Unit		
1.	HWY 370 CONTRIBUTION	1	LS	\$362,351.21	\$362,351.21

Estimated Construction Costs: \$362,351.21

Estimated Soft Costs

0.00% Engineering Design, Construction	\$0.00
2.00% Legal:	\$7,247.02
5.00% Fiscal:	\$18,479.91
7.00% Interest:	\$13,582.74
6 Duration (Months)	

Total Estimated Soft Costs: 11% \$39,309.67

Total Estimated Costs: \$401,660.88

Ad

SIDEWALKS & SIGNAGE

Assumptions/Comments:



5' trail with Outlots A, C, D, E, H, and I
Double fronted lots 17 - 28

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1	6" CONCRETE TRAIL	45,240	SF	\$3.19	\$144,315.60
2	4" CONCRETE SIDEWALK	9,500	SF	\$3.05	\$28,975.00
3	CONSTRUCT MEDIAN SURFACING	1,850	SF	\$6.30	\$11,655.00
4	CONSTRUCT HANDICAP RAMP	908	SF	\$18.00	\$16,344.00
5	CONSTRUCT DETECTABLE WARNING PANEL	64	EA	\$90.00	\$5,760.00
6	ADJUST MANHOLE TO GRADE	4	EA	\$220.00	\$880.00
7	ADJUST VALVE TO GRADE	6	EA	\$240.00	\$1,440.00
8	ADJUST ELECTRICAL BOX TO GRADE	6	EA	\$960.00	\$5,760.00
9	COMMON EARTH EXCAVATION	1,324	CY	\$6.00	\$7,944.00
10	SUBGRADE PREPARATION	8,845	SY	\$1.45	\$12,825.25
11	GENERAL GRADING AND SHAPING	1	LS	\$9,352.00	\$9,352.00
12	ROLLED EROSION CONTROL, TYPE II	1,000	SY	\$1.25	\$1,250.00
13	SEEDING - TYPE "IRRIGATED LAWN AND TURF SEED	3	AC	\$2,065.00	\$6,195.00
14	SEEDING - TYPE "DRAINAGEWAYS"	1	AC	\$1,250.00	\$1,250.00
15	STREET SIGN WITH DECORATIVE SWING-PROOF BR/	24	EA	\$267.00	\$6,408.00
16	2" SQUARE BLACK METAL POSTS WITH DECORATIVE	45	EA	\$299.00	\$13,455.00
17	"STOP SIGN" (R1-1) 30"	12	EA	\$150.00	\$1,800.00
18	"SPEED LIMIT SIGN" (R2-1) 24" X 30"	3	EA	\$150.00	\$450.00
19	MOVEMENT "LEFT TURN ONLY" SIGN (R3-5L) 30" X 36	3	EA	\$150.00	\$450.00
20	MOVEMENT "LEFT-THRU-RIGHT" SIGN (R3-6) 30" X 4E	2	EA	\$150.00	\$300.00
21	"KEEP RIGHT" SIGN (R4-7) 24" X 30"	11	EA	\$150.00	\$1,650.00
22	"LEFT LANE ENDS" SIGN (W4-2) 36" X 36"	1	EA	\$150.00	\$150.00
23	"NO OUTLET" SIGN (W14-2) 30"X30"	1	EA	\$150.00	\$150.00
24	"PRIVATE DRIVE" SIGN 12" X 18"	1	EA	\$150.00	\$150.00
25	"PEDESTRIAN CROSSING" SIGN 30" X 30"	8	EA	\$150.00	\$1,200.00
26	"AHEAD" SIGN 24" X 12"	4	EA	\$107.00	\$428.00
27	"DIAGONAL ARROW" SIGN (W16-7pL)	4	EA	\$107.00	\$428.00
28	"NO PARKING" SIGN (R8-3a) 24" X 30"	15	EA	\$150.00	\$2,250.00
29	24" PREFORMED PAVEMENT MARKING TAPE PAVEMI	338	LF	\$23.50	\$7,943.00
	CONTINGENCY	10%		\$291,157.85	\$29,115.79

Estimated Construction Costs: \$320,273.64

Estimated Soft Costs

Engineering Design,	
21.00% Construction Admin,	\$67,257.46
5.00% Legal:	\$16,013.68
5.00% Fiscal:	\$20,177.24
7.00% Interest:	\$29,660.54
12 Duration (Months)	

Total Estimated Soft Costs: 42% \$133,108.93

Total Estimated Costs: \$453,382.56

SIDEWALKS G.O.

Assumptions/Comments:

All Sidewalks are G.O. except the reimbursable Trail along 120th Street, 10' Trail along 120th Street will be, 1/2 (Future SID) and 1/2 (GO).

Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1 . 6" CONCRETE TRAIL	45,240	SF	\$3.19	\$144,315.60
2 . 4" CONCRETE SIDEWALK	9,500	SF	\$3.05	\$28,975.00
3 . CONSTRUCT MEDIAN SURFACING	1,850	SF	\$6.30	\$11,655.00
4 CONSTRUCT HANDICAP RAMP	908	SF	\$18.00	\$16,344.00
5 CONSTRUCT DETECTABLE WARNING PANEL	64	EA	\$90.00	\$5,760.00
6 ADJUST MANHOLE TO GRADE	4	EA	\$220.00	\$880.00
7 ADJUST VALVE TO GRADE	6	EA	\$240.00	\$1,440.00
8 ADJUST ELECTRICAL BOX TO GRADE	6	EA	\$960.00	\$5,760.00
9 COMMON EARTH EXCAVATION	1,324	CY	\$6.00	\$7,944.00
10 SUBGRADE PREPARATION	8,845	SY	\$1.45	\$12,825.25
11 GENERAL GRADING AND SHAPING	1	LS	\$9,352.00	\$9,352.00
12 ROLLED EROSION CONTROL, TYPE II	1,000	SY	\$1.25	\$1,250.00
13 SEEDING - TYPE "IRRIGATED LAWN AND TURF SEED	3	AC	\$2,065.00	\$6,195.00
14 SEEDING - TYPE "DRAINAGEWAYS"	1	AC	\$1,250.00	\$1,250.00
15 STREET SIGN WITH DECORATIVE SWING-PROOF BRACKET	24	EA	\$267.00	\$6,408.00
16 2" SQUARE BLACK METAL POSTS WITH DECORATIVE TOP CAP	45	EA	\$299.00	\$13,455.00
17 "STOP SIGN" (R1-1) 30"	12	EA	\$150.00	\$1,800.00
18 "SPEED LIMIT SIGN" (R2-1) 24" X 30"	3	EA	\$150.00	\$450.00
19 MOVEMENT "LEFT TURN ONLY" SIGN (R3-5L) 30" X 36"	3	EA	\$150.00	\$450.00
20 MOVEMENT " LEFT-THRU-RIGHT" SIGN (R3-6) 30" X 48"	2	EA	\$150.00	\$300.00
21 "KEEP RIGHT" SIGN (R4-7) 24" X 30"	11	EA	\$150.00	\$1,650.00
22 "LEFT LANE ENDS" SIGN (W4-2) 36" X 36"	1	EA	\$150.00	\$150.00
23 "NO OUTLET" SIGN (W14-2) 30"X30"	1	EA	\$150.00	\$150.00
24 "PRIVATE DRIVE" SIGN 12" X 18"	1	EA	\$150.00	\$150.00
25 "PEDESTRIAN CROSSING" SIGN 30" X 30"	8	EA	\$150.00	\$1,200.00
26 "AHEAD" SIGN 24" X 12"	4	EA	\$107.00	\$428.00
27 "DIAGONAL ARROW" SIGN (W16-7pL)	4	EA	\$107.00	\$428.00
28 "NO PARKING" SIGN (R8-3a) 24" X 30"	15	EA	\$150.00	\$2,250.00
29 24" PREFORMED PAVEMENT MARKING TAPE PAVEMENT MARKING - WHITE, TYPE 3	338	LF	\$23.50	\$7,943.00
CONTINGENCY	10%		\$291,157.85	\$29,115.79

Estimated Construction Costs: \$320,273.64

Estimated Soft Costs

Engineering Design, Construction

21.00% Admin, Geotechnical & Testing	\$67,257.46
5.00% Legal:	\$16,013.68
5.00% Fiscal:	\$20,177.24
7.00% Interest:	\$29,660.54

12 Duration (Months)

Total Estimated Soft Costs: 42% **\$133,108.93**

Total Estimated Costs: **\$453,382.56**

Estimated Contribution - Future East SID to Trail (See Below) **\$63,149.86**

Estimated Contribution - Ashbury Farm SID **\$390,232.70**

AF

120th STREET SIDEWALKS - Reimbursable

Assumptions/Comments:



Assume 1/2 Sidewalk on East side of 120th Street is reimbursable by future SID to the east

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1 .	CONSTRUCT 6" THICK TRAIL	29,000	SF	\$2.77	\$80,330.00
2 .	CONSTRUCT 4" SIDEWALK	0	SF	\$5.11	\$0.00
3 .	CONSTRUCT HANDI-CAP RAMP	475	SF	\$9.77	\$4,640.75
4 .	CONTINGENCY		5%		\$4,248.54

Estimated Construction Costs: \$89,219.29

Estimated Soft Costs

Engineering Design, Construction	
21.00% Admin, Geotechnical & Testing	\$18,736.05
5.00% Legal:	\$4,460.96
5.00% Fiscal:	\$5,620.82
7.00% Interest:	\$8,262.60
12 Duration (Months)	

Total Estimated Soft Costs: 42% \$37,080.43

Total Estimated Costs: \$126,299.72

Estimated 1/2 Contribution - Future East SID \$63,149.86

Estimated 1/2 Contribution - Ashbury Farm SID \$63,149.86

LANDSCAPING

Assumptions/Comments:



Boulevard Landscaping in 120th Street

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	CONSTRUCT IRRIGATION SYSTEM	99,750	SF	\$0.46	\$45,885.00
2	CONSTRUCT METER PIT	1	LS	\$10,950.00	\$10,950.00
	CONTINGENCY	10%		\$56,835.00	\$5,683.50

Estimated Construction Costs: \$62,518.50

Estimated Soft Costs

Engineering Design, Construction		
25.00% Admin, Geotechnical & Testing		\$15,629.63
5.00% Legal:		\$3,125.93
5.00% Fiscal:		\$4,063.70
7.00% Interest:		\$4,480.23
9 Duration (Months)		
Total Estimated Soft Costs:	44%	\$27,299.48
Total Estimated Costs:		\$89,817.98

PARKS AQUISITION

Assumptions/Comments:



Outlot F is park land. Purchase price of land was 42,000. 50% max purchase price allows. Also not going to special any of this, so only seeking reimbursement of 50%. So unit price is 25% of 42,000 or \$10,500. Total lot area is 3.41 acres. Drainageway 3:1 + 20 easement is approximatley .41 acre and wetlands is 0.08 ac and will be donated.

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	PARK ACQUISITION - OUTLOT F	2.92 AC		\$10,500.00	\$30,660.00

Estimated Construction Costs: \$30,660.00

Estimated Soft Costs

Engineering Design and Construction Administration:		
3.00%		\$919.80
2.00% Legal:		\$613.20
5.00% Fiscal:		\$1,609.65
7.00% Interest:		\$2,366.19
12 Duration (Months)		
Total Estimated Soft Costs:	18%	\$5,508.84
Total Estimated Costs:		\$36,168.84

Ah

LANDSCAPING - G.O.

Assumptions/Comments:



Boulevard Landscaping in 120th Street

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	CONSTRUCT IRRIGATION SYSTEM	99750	SF	\$0.46	\$45,885.00
2.	CONSTRUCT METER PIT	1	LS	\$10,950.00	\$10,950.00
	CONTINGENCY	10%		\$56,835.00	\$5,683.50

Estimated Construction Costs: \$62,518.50

Estimated Soft Costs

Engineering Design, Construction	
25.00% Admin, Geotechnical & Testing	\$15,629.63
5.00% Legal:	\$3,125.93
5.00% Fiscal:	\$4,063.70
7.00% Interest:	\$4,480.23
9 Duration (Months)	

Total Estimated Soft Costs: 44% \$27,299.48

Total Estimated Costs: \$89,817.98

PARKS ACQUISITION - G.O.

Assumptions/Comments:



Outlot F is park land. Purchase price of land was 42,000. 50% max purchase price allows. Also not going to special any of this, so only seeking reimbursement of 50%. So unit price is 25% of 42,000 or \$10,500. Total lot area is 3.41 acres Drainageway 3:1 + 20 easement is approximaltey .41 acre and wetlands is 0.08 ac and will be donated

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	PARK ACQUISITION - OUTLOT F	2.92	AC	\$10,500.00	\$30,660.00

Estimated Construction Costs: \$30,660.00

Estimated Soft Costs

Engineering Design and Construction Administration:	\$919.80
3.00%	
2.00% Legal:	\$613.20
5.00% Fiscal:	\$1,609.65
7.00% Interest:	\$2,366.19
12 Duration (Months)	

Total Estimated Soft Costs: 18% \$5,508.84

Total Estimated Costs: \$36,168.84

WATER INTERIOR

Assumptions/Comments:
 FINAL

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1.	CONSTRUCT 12" I.D. WATER MAIN	4,515	LF	\$33.30	\$150,349.50
2.	CONSTRUCT 8" I.D. WATER MAIN	3,317	LF	\$21.95	\$72,808.15
3.	CONSTRUCT 6" I.D. WATER MAIN	474	LF	\$19.10	\$9,053.40
4.	CONSTRUCT CHLORINE TUBE	1	EA	\$1,850.00	\$1,850.00
	CONSTRUCT END OF MAIN HYDRANT, GATE VALVE AND TEE ASSEMBLY AND				
5.	BACKING BLOCK	5	EA	\$3,260.00	\$16,300.00
6.	CONSTRUCT HYDRANT, GATE VALVE AND TEE ASSEMBLY	8	EA	\$3,485.00	\$27,880.00
7.	CONSTRUCT 12" M.J. GATE VALVE AND BOX	8	EA	\$1,995.00	\$15,960.00
8.	CONSTRUCT 8" M.J. GATE VALVE AND BOX	17	EA	\$1,110.00	\$18,870.00
9.	CONSTRUCT 6" M.J. GATE VALVE AND BOX	2	EA	\$820.00	\$1,640.00
10.	CONSTRUCT 12"x12"x8" M.J. TEE ASSEMBLY AND BACKING BLOCK	2	EA	\$420.00	\$840.00
11.	CONSTRUCT 8"x8"x8" M.J. TEE ASSEMBLY AND BACKING BLOCK	3	EA	\$268.00	\$804.00
12.	CONSTRUCT 8"x8"x6" M.J. TEE ASSEMBLY AND BACKING BLOCK	2	EA	\$265.00	\$530.00
13.	CONSTRUCT 12"x12" CROSS	2	EA	\$637.00	\$1,274.00
14.	CONSTRUCT 8"x6" CROSS	1	EA	\$298.00	\$298.00
15.	CONSTRUCT 12" 45 DEGREE VERTICAL BEND WITH BACKING BLOCK	0	EA	\$280.00	\$0.00
16.	CONSTRUCT 12" x 90 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	3	EA	\$440.00	\$1,320.00
17.	CONSTRUCT 12" x 45 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	2	EA	\$325.00	\$650.00
18.	CONSTRUCT 12" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0	EA	\$315.00	\$0.00
19.	CONSTRUCT 6" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0	EA	\$55.00	\$0.00
20.	CONSTRUCT 6" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0	EA	\$185.00	\$0.00
21.	CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	2	EA	\$250.00	\$500.00
22.	CONSTRUCT 12" X 8" REDUCER	3	EA	\$210.00	\$630.00
23.	CONSTRUCT 12" X 6" REDUCER	0	EA	\$210.00	\$0.00
24.	CONSTRUCT 12" PIPE PLUG	0	EA	\$1,040.00	\$0.00
25.	CONSTRUCT 8" PIPE PLUG	0	EA	\$290.00	\$0.00
	CONSTRUCT 16"x16"x12" LIVE TAP TEE ASSEMBLY, 12" M.J. GATE VALVE WITH				
26.	BOX AND BACKING BLOCK	1	EA	\$5,320.00	\$5,320.00
27.	BORE AND JACK 20" STEEL CASING W/ 12" D.I.P.	160	LF	\$260.00	\$41,600.00
28.	MULCH	0	AC	\$550.00	\$0.00
29.	TEMPORARY SEEDING	0	AC	\$900.00	\$0.00
	PER CHANGE ORDER NO. 1				
30.	CONSTRUCT 12"x12"x12" M.J. TEE ASSEMBLY AND BACKING BLOCK	1	EA	\$440.00	\$440.00
	PER CHANGE ORDER NO. 2				
31.	CONSTRUCT TYPE II HYDRANT WITH VALVE BOX EXTENSION	2	EA	\$4,190.00	\$8,380.00
32.	CONSTRUCT TYPE VII HYDRANT	1	EA	\$3,820.00	\$3,820.00
33.	CONSTRUCT TYPE VII MODIFIED HYDRANT WITH BACKING BEAM	2	EA	\$4,685.00	\$9,370.00
34.	CONSTRUCT 8" OPEN BORE	130	LF	\$70.00	\$9,100.00
35.	CONSTRUCT 12" OPEN BORE	50	LF	\$40.00	\$2,000.00
36.	CONSTRUCT 18" BOX EXTENSION	6	EA	\$140.00	\$840.00
37.	REMOVE AND REPLACE EMBANKMENT FOR CASING BORE	1	LS	\$500.00	\$500.00

Construction Costs: \$402,927.05

Soft Costs

Engineering Design, Construction	\$78,106.69
Testing:	\$0.00
Review Fee:	\$4,196.16
Legal:	\$20,146.37
Fiscal:	\$25,765.31
Interest:	\$39,630.27

Total Soft Costs: \$167,844.80

Total Costs: \$570,771.85

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CAPITAL FACILITIES CHARGES

Assumptions/Comments:



Final - Phases 1 & 2

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1 .	CAPITAL FACILITIES CHARGES - RESIDENTIAL	110	LOTS	\$1,970.00	\$216,700.00
2 .	CAPITAL FACILITIES CHARGES - COMMERCIAL/MIXED USE	44.520	AC	\$5,625.00	\$250,430.63
3 .	CAPITAL FACILITIES CHARGES - OUTLOTS (B, C, D & F)	7.44	AC	\$5,520.00	\$39,060.00
3 .	CREDIT	25.00%	%	\$506,190.63	-\$126,547.65

Construction Costs: \$379,642.98

Estimated Soft Costs

Legal: \$7,592.86
 Fiscal: \$20,504.23
 Interest: \$46,794.03

Total Soft Costs: \$74,891.12

Total Costs: \$454,534.10

City Infrastructure Contribution

Assumptions/Comments:



Contribution per Jeff Thompson on 2/6/2013 is \$1,356,000 x 60%

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1 .	Contribution to City Infrastructure	0.6	LS	\$1,356,000.00	\$813,600.00

Estimated Construction Costs: \$813,600.00

Estimated Soft Costs

2.00% Legal: \$16,272.00
 5.00% Fiscal: \$41,493.60
 7.00% Interest: \$30,497.80
 6 Duration (Months)

Total Estimated Soft Costs: 11% \$88,263.40

Total Estimated Costs: \$901,863.40

WATER INTERIOR G.O.

Assumptions/Comments:



FINAL
 Cost difference for Water Main larger than 8" is GO; and
 Water main constructed outside District Boundary

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1.	CONSTRUCT 12" I.D. WATER MAIN	418	LF	\$33.30	\$13,916.07
1A.	CONSTRUCT 12" I.D. WATER MAIN	4,097	LF	\$11.35	\$46,502.09
2.	CONSTRUCT 8" I.D. WATER MAIN	0	LF	\$21.95	\$0.00
3.	CONSTRUCT 6" I.D. WATER MAIN	0	LF	\$19.10	\$0.00
4.	CONSTRUCT CHLORINE TUBE	0	EA	\$1,850.00	\$0.00
	CONSTRUCT END OF MAIN HYDRANT, GATE VALVE AND TEE ASSEMBLY				
5.	AND BACKING BLOCK	0	EA	\$3,260.00	\$0.00
6.	CONSTRUCT HYDRANT, GATE VALVE AND TEE ASSEMBLY	0	EA	\$3,485.00	\$0.00
7.	CONSTRUCT 12" M.J. GATE VALVE AND BOX	8	EA	\$885.00	\$7,080.00
8.	CONSTRUCT 8" M.J. GATE VALVE AND BOX	0	EA	\$1,110.00	\$0.00
9.	CONSTRUCT 6" M.J. GATE VALVE AND BOX	0	EA	\$820.00	\$0.00
10.	CONSTRUCT 12"x12"x8" M.J. TEE ASSEMBLY AND BACKING BLOCK	2	EA	\$152.00	\$304.00
11.	CONSTRUCT 8"x8"x8" M.J. TEE ASSEMBLY AND BACKING BLOCK	0	EA	\$268.00	\$0.00
12.	CONSTRUCT 8"x8"x6" M.J. TEE ASSEMBLY AND BACKING BLOCK	0	EA	\$265.00	\$0.00
13.	CONSTRUCT 12"x12" CROSS	2	EA	\$339.00	\$678.00
14.	CONSTRUCT 8"x6" CROSS	0	EA	\$298.00	\$0.00
15.	CONSTRUCT 12" 45 DEGREE VERTICAL BEND WITH BACKING BLOCK	0	EA	\$280.00	\$0.00
	CONSTRUCT 12" x 90 DEGREE HORIZONTAL BEND WITH BACKING				
16.	BLOCK	2	EA	\$440.00	\$880.00
16A.	CONSTRUCT 12" x 90 DEGREE HORIZONTAL BEND WITH BACKING				
	BLOCK	1	EA	\$215.00	\$215.00
17.	CONSTRUCT 12" x 45 DEGREE HORIZONTAL BEND WITH BACKING				
	BLOCK	2	EA	\$77.00	\$154.00
18.	CONSTRUCT 12" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING				
	BLOCK	0	EA	\$117.00	\$0.00
19.	CONSTRUCT 6" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING				
	BLOCK	0	EA	\$55.00	\$0.00
20.	CONSTRUCT 6" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING				
	BLOCK	0	EA	\$185.00	\$0.00
21.	CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING				
	BLOCK	2	EA	\$155.00	\$310.00
22.	CONSTRUCT 12" X 8" REDUCER	3	EA	\$210.00	\$630.00
23.	CONSTRUCT 12" X 6" REDUCER	0	EA	\$210.00	\$0.00
24.	CONSTRUCT 12" PIPE PLUG	0	EA	\$1,040.00	\$0.00
25.	CONSTRUCT 8" PIPE PLUG	0	EA	\$290.00	\$0.00
26.	CONSTRUCT 16"x16"x12" LIVE TAP TEE ASSEMBLY, 12" M.J. GATE VALVE				
	WITH BOX AND BACKING BLOCK	1	EA	\$5,320.00	\$5,320.00
27.	BORE AND JACK 20" STEEL CASING W/ 12" D.I.P.	160	LF	\$260.00	\$41,600.00
28.	MULCH	0	AC	\$550.00	\$0.00
29.	TEMPORARY SEEDING	0	AC	\$900.00	\$0.00
	PER CHANGE ORDER NO. 1				
30.	CONSTRUCT 12"x12"x12" M.J. TEE ASSEMBLY AND BACKING BLOCK	1	EA	\$172.00	\$172.00
	PER CHANGE ORDER NO. 2				
31.	CONSTRUCT TYPE II HYDRANT WITH VALVE BOX EXTENSION	0	EA	\$4,190.00	\$0.00
32.	CONSTRUCT TYPE VII HYDRANT	0	EA	\$3,820.00	\$0.00
33.	CONSTRUCT TYPE VII MODIFIED HYDRANT WITH BACKING BEAM	0	EA	\$4,685.00	\$0.00
34.	CONSTRUCT 8" OPEN BORE	0	LF	\$70.00	\$0.00
35.	CONSTRUCT 12" OPEN BORE	50	LF	\$40.00	\$2,000.00
36.	CONSTRUCT 18" BOX EXTENSION	0	EA	\$140.00	\$0.00
37.	REMOVE AND REPLACE EMBANKMENT FOR CASING BORE	1	LS	\$500.00	\$500.00

Construction Costs: \$120,261.16

Estimated Soft Costs

Engineering Design, Construction	
Admin:	\$15,606.69
Testing:	\$0.00
Review Fee:	\$1,252.42
Legal:	\$6,013.06
Fiscal:	\$7,690.14
Interest:	\$11,828.40

Total Soft Costs: \$42,390.72

Total Costs: \$162,651.87

CAPITAL FACILITIES CHARGES - COMMERCIAL

Assumptions/Comments:

50% of Commercial/Mixed Use Capital Facilities Charges - General Obligation
50% of Commercial/Mixed Use paid privately

Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1. CAPITAL FACILITIES CHARGES - RESIDENTIAL	0	LOTS	\$1,970.00	\$0.00
2. CAPITAL FACILITIES CHARGES - COMMERCIAL/MIXED USE	44.520	AC	\$5,625.00	\$250,425.00
3. CAPITAL FACILITIES CHARGES - OUTLOTS (B, C, D & F)	0.00	AC	\$5,520.00	\$0.00
3. CREDIT (Pro-rated share)	49.47%	%	-\$126,547.65	-\$62,607.65

Construction Costs: \$187,817.35

Estimated Soft Costs

Legal:	\$3,756.46
Fiscal:	\$10,144.18
Interest:	<u>\$23,150.68</u>

Total Soft Costs: \$37,051.32

Total Costs: \$224,868.66

Total Private Costs (50%): \$112,434.33

City Infrastructure Contribution - G.O.

Assumptions/Comments:

Contribution per Jeff Thompson on 2/6/2013 is \$1,356,000 x 60%

Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1. Contribution to City Infrastructure	0.6	LS	\$1,356,000.00	\$813,600.00

Estimated Construction Costs: \$813,600.00

Estimated Soft Costs

2.00% Legal:	\$16,272.00
5.00% Fiscal:	\$41,493.60
7.00% Interest:	<u>\$30,497.80</u>
6 Duration (Months)	

Total Estimated Soft Costs: 11% \$88,263.40

Total Estimated Costs: \$901,863.40

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POWER

Assumptions/Comments:



Final - Phase 1 Residential

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1	UNDERGROUND SERVICE - RESIDENTIAL	62	LOT	\$880.00	\$54,560.00
Construction Costs:					\$54,560.00
Soft Costs					
Engineering Design, Construction					
	Admin:				\$13,650.00
	Legal:				\$1,091.20
	Fiscal:				\$3,599.48
	Interest:				\$6,891.99
Total Soft Costs:					\$25,232.67
Total Costs:					\$79,792.67

POWER

Assumptions/Comments:



Future Phase

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1	UNDERGROUND SERVICE - COMMERCIAL	0.000	AC	\$3,150.00	\$0.00
Estimated Construction Costs:					\$0.00
Estimated Soft Costs					
Engineering Design, Construction					
	21.00% Admin, Geotechnical & Testing				\$0.00
	5.00% Legal:				\$0.00
	5.00% Fiscal:				\$0.00
	7.00% Interest:				\$0.00
	9 Duration (Months)				
Total Estimated Soft Costs:					0% \$0.00
Total Estimated Costs:					\$0.00

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DECORATIVE STREET LIGHTS

Assumptions/Comments:



Using OPPD decorative street light yearly rate, fee and cost differentials PDF provided by Pat Carnazzo with OPPD
Using Acorn style street lights with decorative base and assumed 180' spacing (15,000 lf of streets).

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	DECORATIVE STREET LIGHTS	58	EA	2,050.00	\$118,900.00

Construction Costs: \$118,900.00

Soft Costs

Engineering Design and	\$11,513.70
Legal:	\$2,378.00
Fiscal:	\$6,779.35
Interest:	\$10,609.38

Total Soft Costs: \$31,280.43

Total Costs: \$150,180.43

CIVIL DEFENSE SIREN

Assumptions/Comments:



	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1 .	Civil Defense Siren	1	LS	\$30,000.00	\$30,000.00

Estimated Construction Costs: \$30,000.00

Estimated Soft Costs

Engineering Design, Construction		
25.00%	Admin, Geotechnical & Testing	\$7,500.00
5.00%	Legal:	\$1,500.00
5.00%	Fiscal:	\$1,950.00
7.00%	Interest:	\$1,433.25
6	Duration (Months)	

Total Estimated Soft Costs: 41% \$12,383.25

Total Estimated Costs: \$42,383.25

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S.I.D. Cost Estimate

Ashbury Farm - Phase 2

112043.22

SID No. 293

9/10/2015

Ashbury Farm, Sarpy County SID 293
ORDER OF MAGNITUDE COST ESTIMATE
Phase 2

Proposed Improvement	Quantity	Unit	Construction Cost	Total Cost	General Obligation	Special	Future SID Reimbursable	City of Papillion Reimbursable	Sarpy County Reimbursable	Private
SANITARY SEWER										
Interior	3181	LF	\$292,400.00	\$413,900.00	\$162,300.00	\$251,600.00	\$0.00	\$0.00	\$0.00	\$0.00
STORM SEWER	2016	LF	\$116,200.00	\$169,700.00	\$169,700.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PAVING										
Minor	10150	SY	\$340,200.00	\$473,800.00	\$79,900.00	\$393,900.00	\$0.00	\$0.00	\$0.00	\$0.00
SIDEWALKS	1830	SF	\$12,700.00	\$18,600.00	\$18,600.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LANDSCAPING	0	LS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
REGULATORY SIGNS	21	EA	\$15,200.00	\$21,900.00	\$21,900.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PARKS ACQUISITION	0.00	AC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WATER										
Interior	5300	LF	\$357,700.00	\$498,100.00	\$198,800.00	\$299,300.00	\$0.00	\$0.00	\$0.00	\$0.00
Capital Facilities Charge	0	Lots	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
POWER										
Residential Service	48	Lots	\$64,800.00	\$93,100.00	\$0.00	\$93,100.00	\$0.00	\$0.00	\$0.00	\$0.00
Commercial Service	0	AC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Decorative Street Lights	16	EA	\$32,800.00	\$37,400.00	\$37,400.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CIVIL DEFENSE SIREN	0	LS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PLAN REVIEW FEE	1	%	\$11,200.00	\$12,600.00	\$6,600.00	\$6,000.00	\$0.00	\$0.00	\$0.00	\$0.00
Total			\$1,243,200.00	\$1,739,100.00	\$695,200.00	\$1,043,900.00	\$0.00	\$0.00	\$0.00	\$0.00

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DEBT RATIO

ASSUMPTIONS

Average market Value Per Residential Lot (land value only) =

Average market Value Per Residential Lot (Improvements) (improvement value only) =

Commercial Land Value per square foot =

Commercial Building Value per square foot (Includes Land) =

ASSESSABLE VALUATION

Residential Lot	<input type="text" value="48"/>	Units =	\$85,000.00 =	\$4,080,000.00
Residential Improvements	<input type="text" value="48"/>	Units =	\$415,000.00 =	\$19,920,000.00
Commercial Land	<input type="text" value="0.00"/>	AC =	\$348,480.00 =	\$0.00
Commercial Building (20% of Lot Area)	<input type="text" value="0"/>	SF =	\$85.00 =	\$0.00
			Total 100% Valuation =	\$24,000,000.00
			Total 95% Valuation =	\$22,800,000.00
			DEBT RATIO =	<input type="text" value="3.05%"/>

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SANITARY SEWER - INTERIOR

Assumptions/Comments:



Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1	CLEARING AND GRUBBING GENERAL	1.00	LS	\$5,000.00	\$5,000.00
2	CONSTRUCT 6" SANITARY SEWER PIPE	1207	LF	\$15.00	\$18,103.63
3	CONSTRUCT 8" SANITARY SEWER PIPE	3181	LF	\$16.00	\$50,896.00
4	CONSTRUCT 4" FORCE MAIN	860	LF	\$20.00	\$17,200.00
4	CONSTRUCT 54" I.D. SANITARY MANHOLE (12 EA)	173	VF	\$275.00	\$47,575.00
5	CONSTRUCT MANHOLE RING COLLAR	1	EA	\$350.00	\$350.00
6	CONSTRUCT EXTERNAL FRAME SEAL	1	EA	\$400.00	\$400.00
7	EXCAVATION FOR EXTRA DEEP SANITARY SEWER	250	VF-LF	\$10.00	\$2,500.00
8	CONSTRUCT 8" X 6" WYE	51	EA	\$100.00	\$5,100.00
9	CONSTRUCT 8" PIPE PLUG	0	EA	\$250.00	\$0.00
10	CONSTRUCT MANHOLE STUBOUT	1	EA	\$100.00	\$100.00
12	CONSTRUCT 6" PIPE BEDDING	1207	LF	\$5.00	\$6,034.54
13	CONSTRUCT 8" PIPE BEDDING	3181	LF	\$5.50	\$17,495.50
14	STABILIZE TRENCH W/ CRUSHED LIMESTONE	100	TN	\$25.00	\$2,500.00
15	INSTALL VACUUM PRIME LIFT STATION	1	EA	\$20,000.00	\$20,000.00
16	CONSTRUCT 72" I.D. LIFT STATION MANHOLE (1 EA)	16	VF	\$800.00	\$12,800.00
17	INSTALL METER PANEL AND WIRING	1	EA	\$11,000.00	\$11,000.00
18	INSTALL GENERATOR	1	EA	\$20,000.00	\$20,000.00
19	CONSTRUCT GENERATOR PAD	1	EA	\$2,100.00	\$2,100.00
20	CONSTRUCT 6' TALL CHAIN LINK FENCE	110	LF	\$75.00	\$8,250.00
21	CONSTRUCT ROCK SURFACING	50	TN	\$25.00	\$1,250.00
22	CONSTRUCT SILT FENCE	500	LF	\$3.00	\$1,500.00
23	CLEANOUT SILT FENCE	500	LF	\$1.25	\$625.00
24	CLEANOUT SILT BASIN	500	CY	\$3.00	\$1,500.00
25	SEEDING - TYPE "TEMPORARY SEED MIX"	0.50	AC	\$500.00	\$250.00
26	HAY OR STRAW MULCH	0.50	AC	\$450.00	\$225.00
27	ROLLED EROSION CONTROL, TYPE II	500	SY	\$3.00	\$1,500.00
28	CONTINGENCY	15 %			\$38,138.20

Estimated Construction Costs: \$292,392.88

Estimated Soft Costs

Engineering Design and	
19.00% Construction Administration:	\$55,554.65
2.00% Geotechnical and Testing:	\$5,847.86
5.00% Legal:	\$14,619.64
5.00% Fiscal:	\$18,420.75
7.00% Interest:	\$27,078.50
12 Duration (Months)	

Total Estimated Soft Costs: 42% \$121,521.40

Total Estimated Costs: \$413,914.28

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SANITARY SEWER - INTERIOR G.O.

Assumptions/Comments:



Temporary Lift Station & Force Main

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1	CLEARING AND GRUBBING GENERAL	0	LS	\$15,000.00	\$0.00
2	CONSTRUCT 6" SANITARY SEWER PIPE	0	LF	\$15.00	\$0.00
3	CONSTRUCT 8" SANITARY SEWER PIPE	0	LF	\$16.00	\$0.00
4	CONSTRUCT 4" FORCE MAIN	860	LF	\$20.00	\$17,200.00
4	CONSTRUCT 54" I.D. SANITARY MANHOLE (41 EA)	0	VF	\$275.00	\$0.00
5	CONSTRUCT MANHOLE RING COLLAR	0	EA	\$350.00	\$0.00
6	CONSTRUCT EXTERNAL FRAME SEAL	0	EA	\$400.00	\$0.00
7	EXCAVATION FOR EXTRA DEEP SANITARY SEWER	0	VF-LF	\$10.00	\$0.00
8	CONSTRUCT 8" X 6" WYE	0	EA	\$100.00	\$0.00
9	CONSTRUCT 8" PIPE PLUG	0	EA	\$250.00	\$0.00
10	CONSTRUCT MANHOLE STUBOUT	0	EA	\$100.00	\$0.00
12	CONSTRUCT 6" PIPE BEDDING	0	LF	\$5.00	\$0.00
13	CONSTRUCT 8" PIPE BEDDING	0	LF	\$5.50	\$0.00
14	STABILIZATION TRENCH W/ CRUSHED LIMESTONE	0	TN	\$25.00	\$0.00
15	INSTALL VACUUM PRIME LIFT STATION	1	EA	\$20,000.00	\$20,000.00
16	CONSTRUCT 72" I.D. LIFT STATION MANHOLE (1 EA)	16	VF	\$800.00	\$12,800.00
17	INSTALL METER PANEL AND WIRING	1	EA	\$11,000.00	\$11,000.00
18	INSTALL GENERATOR	1	EA	\$20,000.00	\$20,000.00
19	CONSTRUCT GENERATOR PAD	1	EA	\$2,100.00	\$2,100.00
20	CONSTRUCT 6' TALL CHAIN LINK FENCE	110	LF	\$75.00	\$8,250.00
21	CONSTRUCT ROCK SURFACING	50	TN	\$25.00	\$1,250.00
22	CONSTRUCT SILT FENCE	500	LF	\$3.00	\$1,500.00
23	CLEANOUT SILT FENCE	500	LF	\$1.25	\$625.00
24	CLEANOUT SILT BASIN	500	CY	\$6.00	\$3,000.00
25	SEEDING - TYPE "TEMPORARY SEED MIX"	1	AC	\$500.00	\$250.00
26	HAY OR STRAW MULCH	1	AC	\$450.00	\$225.00
27	ROLLED EROSION CONTROL, TYPE II	500	SY	\$3.00	\$1,500.00
28	CONTINGENCY	15 %			\$14,955.00

Estimated Construction Costs: \$114,655.00

Estimated Soft Costs

19.00%	Engineering Design and Construction Administration:	\$21,784.45
2.00%	Geotechnical and Testing:	\$2,293.10
5.00%	Legal:	\$5,732.75
5.00%	Fiscal:	\$7,223.27
7.00%	Interest:	\$10,618.20
	12 Duration (Months)	

Total Estimated Soft Costs: 42% \$47,651.76

Total Estimated Costs: \$162,306.76

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STORM SEWER

Assumptions/Comments:

Bid Item Description		Approximate		Unit Price	Total
		Quantity	Unit		
1 .	CLEARING AND GRUBBING GENERAL	1.00	LS	\$2,500.00	\$2,500.00
2 .	GENERAL GRADING AND SHAPING	1.00	LS	\$5,000.00	\$5,000.00
3 .	CONSTRUCT 18" R.C.P., CLASS III	1427	LF	\$25.00	\$35,675.00
4 .	CONSTRUCT 24" R.C.P., CLASS III	331	LF	\$30.00	\$9,930.00
5 .	CONSTRUCT 30" R.C.P., CLASS III	204	LF	\$38.00	\$7,752.00
6 .	CONSTRUCT 36" R.C.P., D(0.01) = 1,350	54	LF	\$50.00	\$2,700.00
7 .	CONSTRUCT 42" R.C.P., D(0.01) = 1,350	0	LF	\$68.00	\$0.00
8 .	CONSTRUCT 48" R.C.P., D(0.01) = 1,350	0	LF	\$82.00	\$0.00
9 .	CONSTRUCT 18" R.C. FLARED END SECTION	1	EA	\$750.00	\$750.00
10 .	CONSTRUCT 24" R.C. FLARED END SECTION	0	EA	\$900.00	\$0.00
11 .	CONSTRUCT 36" R.C. FLARED END SECTION	1	EA	\$1,200.00	\$1,200.00
12 .	CONSTRUCT 42" R.C. FLARED END SECTION	0	EA	\$1,500.00	\$0.00
13 .	CONSTRUCT 48" R.C. FLARED END SECTION	0	EA	\$2,000.00	\$0.00
14 .	CONSTRUCT 54" I.D. FLATTOP MANHOLE (2 EA)	10	VF	\$250.00	\$2,500.00
15 .	CONSTRUCT 60" I.D. FLATTOP MANHOLE (0 EA)	0	VF	\$275.00	\$0.00
16 .	CONSTRUCT 84" I.D. FLATTOP MANHOLE (0 EA)	0	VF	\$500.00	\$0.00
17 .	CONSTRUCT 54" I.D. TYPE II AREA INLET (0 EA)	0	VF	\$400.00	\$0.00
18 .	CONSTRUCT 18" PIPE BEDDING	1427	LF	\$3.00	\$4,281.00
19 .	CONSTRUCT 24" PIPE BEDDING	331	LF	\$4.00	\$1,324.00
20 .	CONSTRUCT 30" PIPE BEDDING	204	LF	\$5.00	\$1,020.00
21 .	CONSTRUCT 36" PIPE BEDDING	54	LF	\$7.50	\$405.00
22 .	CONSTRUCT 42" PIPE BEDDING	0	LF	\$10.00	\$0.00
23 .	CONSTRUCT 48" PIPE BEDDING	0	LF	\$14.00	\$0.00
24 .	STABILIZE TRENCH W/ CRUSHED LIMESTONE	100	TN	\$25.00	\$2,500.00
25 .	CONSTRUCT POND OUTLET STRUCTURE (BASIN A)	0	VF	\$1,000.00	\$0.00
26 .	CONSTRUCT POND OUTLET STRUCTURE (BASIN B)	0	VF	\$1,000.00	\$0.00
27 .	CONSTRUCT POND OUTLET STRUCTURE (BASIN E)	7	VF	\$1,000.00	\$7,000.00
28 .	CONSTRUCT POND OUTLET STRUCTURE (BASIN G)	0	VF	\$1,000.00	\$0.00
29 .	CONSTRUCT MANHOLE RING COLLAR	0	EA	\$250.00	\$0.00
30 .	CONSTRUCT RIP-RAP APRON - (NDOR TYPE "B")	35	TON	\$36.00	\$1,260.00
31 .	CONSTRUCT ROCK RIP-RAP - TYPE "C"	15	TON	\$38.00	\$570.00
	CONSTRUCT OUTLET ENERGY DISSIPATION	1	EA	\$3,000.00	\$3,000.00
32 .	CONSTRUCT TEMPORARY END OF STREET DRAIN	2	EA	\$2,000.00	\$4,000.00
33 .	CONSTRUCT ROCK ACCESS ROAD	60	TN	\$22.00	\$1,320.00
34 .	CONSTRUCT SILT FENCE	400	LF	\$3.00	\$1,200.00
35 .	CLEANOUT SILT FENCE	250	LF	\$1.25	\$312.50
36 .	CLEANOUT SILT BASIN	800	CY	\$3.00	\$2,400.00
37 .	SEEDING - TYPE "TEMPORARY SEED MIX"	1	AC	\$500.00	\$500.00
38 .	HAY OR STRAW MULCH	1	AC	\$450.00	\$450.00
39 .	ROLLED EROSION CONTROL, TYPE II	500	SY	\$3.00	\$1,500.00
	CONTINGENCY	15%		\$101,049.50	\$15,157.43

Estimated Construction Costs: \$116,206.93

Estimated Soft Costs

Engineering Design and	
24.00% Construction Administration:	\$27,889.66
1.00% Geotechnical and Testing:	\$1,162.07
5.00% Legal:	\$5,810.35
5.00% Fiscal:	\$7,553.45
7.00% Interest:	\$11,103.57
12 Duration (Months)	

Total Estimated Soft Costs: 46% \$53,519.10

Total Estimated Costs: \$169,726.02

Av

STORM SEWER G.O.

Assumptions/Comments:

Bid Item Description		Approximate		Unit Price	Total
		Quantity	Unit		
1.	CLEARING AND GRUBBING GENERAL	1.00	LS	\$2,500.00	\$2,500.00
2.	GENERAL GRADING AND SHAPING	1.00	LS	\$5,000.00	\$5,000.00
3.	CONSTRUCT 18" R.C.P., CLASS III	1427.00	LF	\$25.00	\$35,675.00
4.	CONSTRUCT 24" R.C.P., CLASS III	331.00	LF	\$30.00	\$9,930.00
5.	CONSTRUCT 30" R.C.P., CLASS III	204.00	LF	\$38.00	\$7,752.00
6.	CONSTRUCT 36" R.C.P., D(0.01) = 1,350	54.00	LF	\$50.00	\$2,700.00
7.	CONSTRUCT 42" R.C.P., D(0.01) = 1,350	0.00	LF	\$68.00	\$0.00
8.	CONSTRUCT 48" R.C.P., D(0.01) = 1,350	0.00	LF	\$82.00	\$0.00
9.	CONSTRUCT 18" R.C. FLARED END SECTION	1.00	EA	\$750.00	\$750.00
10.	CONSTRUCT 24" R.C. FLARED END SECTION	0.00	EA	\$900.00	\$0.00
11.	CONSTRUCT 36" R.C. FLARED END SECTION	1.00	EA	\$1,200.00	\$1,200.00
12.	CONSTRUCT 42" R.C. FLARED END SECTION	0.00	EA	\$1,500.00	\$0.00
13.	CONSTRUCT 48" R.C. FLARED END SECTION	0.00	EA	\$2,000.00	\$0.00
14.	CONSTRUCT 54" I.D. FLATTOP MANHOLE (5 EA)	10.00	VF	\$250.00	\$2,500.00
15.	CONSTRUCT 60" I.D. FLATTOP MANHOLE (1 EA)	0.00	VF	\$275.00	\$0.00
16.	CONSTRUCT 84" I.D. FLATTOP MANHOLE (1 EA)	0.00	VF	\$500.00	\$0.00
17.	CONSTRUCT 54" I.D. TYPE II AREA INLET (1 EA)	0.00	VF	\$400.00	\$0.00
18.	CONSTRUCT 18" PIPE BEDDING	1427.00	LF	\$3.00	\$4,281.00
19.	CONSTRUCT 24" PIPE BEDDING	331.00	LF	\$4.00	\$1,324.00
20.	CONSTRUCT 30" PIPE BEDDING	204.00	LF	\$5.00	\$1,020.00
21.	CONSTRUCT 36" PIPE BEDDING	54.00	LF	\$7.50	\$405.00
22.	CONSTRUCT 42" PIPE BEDDING	0.00	LF	\$10.00	\$0.00
23.	CONSTRUCT 48" PIPE BEDDING	0.00	LF	\$14.00	\$0.00
24.	STABILIZE TRENCH W/ CRUSHED LIMESTONE	100.00	TN	\$25.00	\$2,500.00
25.	CONSTRUCT POND OUTLET STRUCTURE (BASIN A)	0.00	VF	\$1,000.00	\$0.00
26.	CONSTRUCT POND OUTLET STRUCTURE (BASIN B)	0.00	VF	\$1,000.00	\$0.00
27.	CONSTRUCT POND OUTLET STRUCTURE (BASIN E)	7.00	VF	\$1,000.00	\$7,000.00
28.	CONSTRUCT POND OUTLET STRUCTURE (BASIN G)	0.00	VF	\$1,000.00	\$0.00
29.	CONSTRUCT MANHOLE RING COLLAR	0.00	EA	\$250.00	\$0.00
30.	CONSTRUCT RIP-RAP APRON - (NDOR TYPE "B")	35.00	TON	\$36.00	\$1,260.00
31.	CONSTRUCT ROCK RIP-RAP - TYPE "C"	15.00	TON	\$38.00	\$570.00
	CONSTRUCT OUTLET ENERGY DISSIPATION	1.00	EA	\$3,000.00	\$3,000.00
32.	CONSTRUCT TEMPORARY END OF STREET DRAIN	2.00	EA	\$2,000.00	\$4,000.00
33.	CONSTRUCT ROCK ACCESS ROAD	60.00	TN	\$22.00	\$1,320.00
34.	CONSTRUCT SILT FENCE	400.00	LF	\$3.00	\$1,200.00
35.	CLEANOUT SILT FENCE	250.00	LF	\$1.25	\$312.50
36.	CLEANOUT SILT BASIN	800.00	CY	\$3.00	\$2,400.00
37.	SEEDING - TYPE "TEMPORARY SEED MIX"	1.00	AC	\$500.00	\$500.00
38.	HAY OR STRAW MULCH	1.00	AC	\$450.00	\$450.00
39.	ROLLED EROSION CONTROL, TYPE II	500.00	SY	\$3.00	\$1,500.00
	CONTINGENCY	15%		\$101,049.50	\$15,157.43

Estimated Construction Costs: \$116,206.93

Estimated Soft Costs

Engineering Design and	
24.00% Construction Administration:	\$27,889.66
1.00% Geotechnical and Testing:	\$1,162.07
5.00% Legal:	\$5,810.35
5.00% Fiscal:	\$7,553.45
7.00% Interest:	\$11,103.57
12 Duration (Months)	

Total Estimated Soft Costs: 46% \$53,519.10

Total Estimated Costs: \$169,726.02

Aw

PAVING MINOR

Assumptions/Comments:



Includes residential only

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1 .	7" CONCRETE PAVEMENT - TYPE L65	10150	SY	\$25.00	\$253,750.00
2 .	9" CONCRETE PAVEMENT - TYPE L65	0	SY	\$31.00	\$0.00
3 .	COMMON EARTHWORK EXCAVATION	3383	CY	\$2.50	\$8,458.33
4 .	MEDIAN NOSE	0	EA	\$250.00	\$0.00
5 .	ADJUST MANHOLE TO GRADE	13	EA	\$150.00	\$1,950.00
6 .	EXTERNAL FRAME SEAL	13	EA	\$350.00	\$4,550.00
7 .	CONSTRUCT CURB INLET - TYPE I	3	EA	\$2,500.00	\$7,500.00
8 .	CONSTRUCT CURB INLET - TYPE III	4	EA	\$2,750.00	\$11,000.00
	PREFORMED PAVEMENT MARKING TAPE MARKING SYMBOL - WHITE "ONLY"	0	EA	\$350.00	\$0.00
	PREFORMED PAVEMENT MARKING TAPE MARKING SYMBOL - WHITE DIRECTIONAL ARROW	0	EA	\$350.00	\$0.00
10 .	4" PREFORMED PAVEMENT MARKING TAPE PAVEMENT MARKING - WHITE	0	LF	\$3.00	\$0.00
11 .	24" PREFORMED PAVEMENT MARKING TAPE PAVEMENT MARKING - WHITE	0	LF	\$20.00	\$0.00
12 .	TOPSOIL PLACEMENT	0	CY	\$10.00	\$0.00
13 .	CONSTRUCT SILT FENCE	400	LF	\$3.00	\$1,200.00
14 .	CLEANOUT SILT FENCE	250	LF	\$1.25	\$312.50
15 .	CLEANOUT SILT BASIN	1000	CY	\$3.00	\$3,000.00
16 .	SEEDING - TYPE "TEMPORARY SEED MIX"	1	AC	\$500.00	\$500.00
17 .	HAY OR STRAW MULCH	1	AC	\$450.00	\$450.00
18 .	JET EXISTING SEWER	3181	LF	\$1.00	\$3,181.00
19 .	CONTINGENCY	15 %			\$44,377.78

Estimated Construction Costs: \$340,229.61

Estimated Soft Costs

Engineering Design and Construction Administration:	\$64,643.63
2.00% Geotechnical and Testing:	\$6,804.59
5.00% Legal:	\$17,011.48
5.00% Fiscal:	\$21,434.47
7.00% Interest:	\$23,631.50
9 Duration (Months)	

Total Estimated Soft Costs: 39% \$133,525.66

Total Estimated Costs: \$473,755.27

Ax

PAVING IN EXCESS OF 6" THICK

Assumptions/Comments:

Total pavement in excess of 6" minus G.O. pavement. SY limited to 4.60% total debt ratio until valuations are approved at \$525k

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1.	1" CONCRETE PAVEMENT	475	SY	\$25.00	\$11,875.00
2.	3" CONCRETE PAVEMENT	0	SY	\$31.00	\$0.00

Estimated Construction Costs: \$11,875.00

FORMULA: 7" PAVEMENT 10,150 SY
 - G.O. PAVEMENT QUANTITY -593 SY

 9,557

9,557 SY X (1/7") = 1,365 SY

FORMULA: 9" PAVEMENT QUANTITY 0 SY
 - G.O. PAVEMENT QUANTITY -0 SY

 0

0 SY X (3/7") = 0 SY

Estimated Soft Costs

19.00% Engineering Design and	\$2,256.25
2.00% Geotechnical and Testing:	\$237.50
5.00% Legal:	\$593.75
5.00% Fiscal:	\$748.13
7.00% Interest:	\$824.81
9 Duration (Months)	

Total Estimated Soft Costs: 39.2% \$4,660.43

Total Estimated Costs: \$16,535.43

Ay

PAVING MINOR G.O.

Assumptions/Comments:



Intersection paving and extra width paving beyond 25'

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	7" CONCRETE PAVEMENT - TYPE L65	593	SY	\$25.00	\$14,825.00
2.	9" CONCRETE PAVEMENT - TYPE L65	0	SY	\$31.00	\$0.00
3.	COMMON EARTHWORK EXCAVATION	198	CY	\$2.50	\$494.17
4.	MEDIAN NOSE	0	EA	\$250.00	\$0.00
5.	ADJUST MANHOLE TO GRADE	2	EA	\$150.00	\$300.00
6.	EXTERNAL FRAME SEAL	0	EA	\$350.00	\$0.00
7.	CONSTRUCT CURB INLET - TYPE I	3	EA	\$2,500.00	\$7,500.00
8.	CONSTRUCT CURB INLET - TYPE III	4	EA	\$2,750.00	\$11,000.00
9.	PREFORMED PAVEMENT MARKING TAPE MARKING SYMBOL - WHITE "ONLY"	0	EA	\$350.00	\$0.00
10.	PREFORMED PAVEMENT MARKING TAPE MARKING SYMBOL - WHITE DIRECTIONAL ARROW	0	EA	\$350.00	\$0.00
11.	4" PREFORMED PAVEMENT MARKING TAPE PAVEMENT MARKING - WHITE	0	LF	\$3.00	\$0.00
12.	24" PREFORMED PAVEMENT MARKING TAPE PAVEMENT MARKING - WHITE	0	LF	\$20.00	\$0.00
13.	TOPSOIL PLACEMENT	0	CY	\$10.00	\$0.00
14.	CONSTRUCT SILT FENCE	400	LF	\$3.00	\$1,200.00
15.	CLEANOUT SILT FENCE	250	LF	\$1.25	\$312.50
16.	CLEANOUT SILT BASIN	1000	CY	\$3.00	\$3,000.00
17.	SEEDING - TYPE "TEMPORARY SEED MIX"	1	AC	\$500.00	\$500.00
18.	HAY OR STRAW MULCH	1	AC	\$450.00	\$450.00
19.	JET EXISTING SEWER	0	LF	\$1.00	\$0.00
	CONTINGENCY	15	%		\$5,937.25

Estimated Construction Costs: \$45,518.92

Estimated Soft Costs

Engineering Design and	
19.00% Construction Administration:	\$8,648.59
2.00% Geotechnical and Testing:	\$910.38
5.00% Legal:	\$2,275.95
5.00% Fiscal:	\$2,867.69
7.00% Interest:	\$3,161.63
9 Duration (Months)	

Total Estimated Soft Costs: 39% \$17,864.24

Total Estimated Costs: \$63,383.16

A2

PAVING IN EXCESS OF 6" THICK - G.O.

Assumptions/Comments:

Total pavement in excess of 6" minus G.O. pavement

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	1" CONCRETE PAVEMENT	475	SY	\$25.00	\$11,875.00
2.	3" CONCRETE PAVEMENT	0	SY	\$31.00	\$0.00

Estimated Construction Costs: \$11,875.00

FORMULA : 7" PAVEMENT 10,150 SY
 - G.O. PAVEMENT QUANTITY -593 SY

 9,557 SY X (1/7") = 1,365 SY

FORMULA : 9" PAVEMENT QUANTITY 0 SY
 - G.O. PAVEMENT QUANTITY -0 SY

 0 SY X (3/7") = 0 SY

19.00% Engineering Design and	\$2,256.25
2.00% Geotechnical and Testing:	\$237.50
5.00% Legal:	\$593.75
5.00% Fiscal:	\$748.13
7.00% Interest:	\$824.81
9 Duration (Months)	

Total Estimated Soft Costs: 39% \$4,660.43

Total Estimated Costs: \$16,535.43

Ba

SIDEWALKS

Assumptions/Comments:



5' trail with Outlot E

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1	4" CONCRETE SIDEWALK	1,830	SF	\$3.50	\$6,405.00
2	SUBGRADE PREPARATION	285	SY	\$2.50	\$711.67
3	COMMON EARTH EXCAVATION	150	CY	\$7.00	\$1,048.74
4	CONSTRUCT CONCRETE CURB RAMP	60	SF	\$9.00	\$539.35
5	CONSTRUCT DETECTABLE WARNING PANEL	3	EA	\$100.00	\$300.00
6	SEEDING - TYPE "NON -IRRIGATED LAWN AND TURF SEED"	1.00	AC	\$1,600.00	\$1,600.00
7	HAY OR STRAW MULCH	1.00	AC	\$450.00	\$450.00
	CONTINGENCY	15%		\$11,054.76	\$1,658.21

Estimated Construction Costs: \$12,712.97

Estimated Soft Costs

Engineering Design and	
24.00% Construction Administration:	\$3,051.11
1.00% Geotechnical and Testing:	\$127.13
5.00% Legal:	\$635.65
5.00% Fiscal:	\$826.34
7.00% Interest:	\$1,214.72
12 Duration (Months)	

Total Estimated Soft Costs: 46% \$5,854.96

Total Estimated Costs: \$18,567.93

Bb

SIDEWALKS G.O.

Assumptions/Comments:



All Sidewalks are G.O.

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1	4" CONCRETE SIDEWALK	1,830	SF	\$3.50	\$6,405.00
2	SUBGRADE PREPARATION	285	SY	\$2.50	\$711.67
3	COMMON EARTH EXCAVATION	150	CY	\$7.00	\$1,048.74
4	CONSTRUCT CONCRETE CURB RAMP	60	SF	\$9.00	\$539.35
5	CONSTRUCT DETECTABLE WARNING PANEL	3	EA	\$100.00	\$300.00
6	SEEDING - TYPE "NON -IRRIGATED LAWN AND TURF SEED"	1.0	AC	\$1,600.00	\$1,600.00
7	HAY OR STRAW MULCH	1.0	AC	\$450.00	\$450.00
	CONTINGENCY	15%		\$11,054.76	\$1,658.21

Estimated Construction Costs: \$12,712.97

Estimated Soft Costs

24.00%	Engineering Design and Construction Administration:	\$3,051.11
1.00%	Geotechnical and Testing:	\$127.13
5.00%	Legal:	\$635.65
5.00%	Fiscal:	\$826.34
7.00%	Interest:	\$1,214.72
	12 Duration (Months)	

Total Estimated Soft Costs: 46% \$5,854.96

Total Estimated Costs: \$18,567.93

Bc

REGULATORY SIGNAGE

Assumptions/Comments:



Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	STREET SIGN WITH DECORATIVE SWING PROOF BRACKETS	13	EA	\$350.00	\$4,550.00
2.	"STOP" SIGN (24")	8	EA	\$250.00	\$2,000.00
3.	SPEED LIMIT SIGN (18"X24")	3	EA	\$250.00	\$750.00
4.	2" SQUARE BLACK METAL POSTS WITH DECORATIVE TOP CAP	13	EA	\$375.00	\$4,875.00
	CONTINGENCY	25%		\$12,175.00	\$3,043.75

Estimated Construction Costs: \$15,218.75

Estimated Soft Costs

Engineering Design and	
25.00% Construction Administration:	\$3,804.69
5.00% Legal:	\$760.94
5.00% Fiscal:	\$989.22
7.00% Interest:	\$1,090.61
9 Duration (Months)	

Total Estimated Soft Costs: 44% \$6,645.46

Total Estimated Costs: \$21,864.21

Bd

REGULATORY SIGNAGE - G.O.

Assumptions/Comments:



All signage is G.O.

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	STREET SIGN WITH DECORATIVE SWING PROOF BRACKETS	13	EA	\$350.00	\$4,550.00
2.	"STOP" SIGN (24")	8	EA	\$250.00	\$2,000.00
3.	SPEED LIMIT SIGN (18"X24")	3	EA	\$250.00	\$750.00
4.	2" SQUARE BLACK METAL POSTS WITH DECORATIVE TOP CAP	13	EA	\$375.00	\$4,875.00
	CONTINGENCY	25%		\$12,175.00	\$3,043.75

Estimated Construction Costs: \$15,218.75

Estimated Soft Costs

25.00%	Engineering Design and	\$3,804.69
5.00%	Legal:	\$760.94
5.00%	Fiscal:	\$989.22
7.00%	Interest:	\$1,090.61
9	Duration (Months)	

Total Estimated Soft Costs: 44% \$6,645.46

Total Estimated Costs: \$21,864.21

Be

WATER INTERIOR

Assumptions/Comments:



170 LF B&J underneath HWY 370 (west end)

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	CONSTRUCT 6" WATER MAIN	1,240	LF	\$20.00	\$24,800.00
2.	CONSTRUCT 8" WATER MAIN	710	LF	\$26.00	\$18,460.00
3.	CONSTRUCT 12" WATER MAIN	3,350	LF	\$44.00	\$147,400.00
4.	CONSTRUCT 6" PIPE BEDDING	1,240	LF	\$3.00	\$3,720.00
5.	CONSTRUCT 8" PIPE BEDDING	710	LF	\$4.00	\$2,840.00
6.	CONSTRUCT 12" PIPE BEDDING	3,350	LF	\$6.00	\$20,100.00
7.	BORE AND JACK 16" STEEL CASING	170	LF	\$200.00	\$34,000.00
8.	CUT IN 12" TEE AND VALVE	1	EA	\$800.00	\$800.00
9.	CONSTRUCT END OF MAIN HYDRANT, GATE VALVE AND TEE ASSEMBLY AND BACKING BLOCK	2	EA	\$3,600.00	\$7,200.00
10.	CONSTRUCT HYDRANT, GATE VALVE AND TEE ASSEMBLY	5	EA	\$3,800.00	\$19,000.00
11.	CONSTRUCT 12 X 12 X 8 M.J. TEE ASSEMBLY AND BACKING BLOCK	2	EA	\$500.00	\$1,000.00
12.	CONSTRUCT 8 X 8 X 6 M.J. TEE ASSEMBLY AND BACKING BLOCK	1	EA	\$400.00	\$400.00
13.	CONSTRUCT 12X12X12X12 CROSS ASSEMBLY	1	EA	\$450.00	\$450.00
14.	CONSTRUCT 12X12X8X8 CROSS ASSEMBLY	1	EA	\$425.00	\$425.00
15.	CONSTRUCT 8X8X6X6 CROSS ASSEMBLY	1	EA	\$400.00	\$400.00
16.	CONSTRUCT M.J. GATE VALVE AND BOX	14	EA	\$1,500.00	\$21,000.00
17.	CONSTRUCT 12" x 90 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	1	EA	\$450.00	\$450.00
18.	CONSTRUCT 12" x 45 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	1	EA	\$450.00	\$450.00
19.	CONSTRUCT 12" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	3	EA	\$450.00	\$1,350.00
20.	CONSTRUCT 6" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	1	EA	\$300.00	\$300.00
21.	CONSTRUCT 8" X 6" REDUCER	1	EA	\$150.00	\$150.00
22.	CONSTRUCT 6" X 6" REDUCER	1	EA	\$150.00	\$150.00
23.	CONSTRUCT CHLORINE TUBE	1	EA	\$1,500.00	\$1,500.00
24.	CONSTRUCT SAMPLE TAP	8	EA	\$400.00	\$3,200.00
25.	CONSTRUCT SILT FENCE	500	LF	\$3.00	\$1,500.00
26.	CONTINGENCY	15%		\$311,045.00	\$46,656.75

Estimated Construction Costs: \$357,701.75

Estimated Soft Costs

19.00%	Engineering Design and Construction Administration:	\$67,963.33
2.00%	Geotechnical and Testing:	\$7,154.04
5.00%	Legal:	\$17,885.09
5.00%	Fiscal:	\$22,535.21
7.00%	Interest:	\$24,845.07
	9 Duration (Months)	

Total Estimated Soft Costs: 39% \$140,382.73

Total Estimated Costs: \$498,084.48

Bf

CAPITAL FACILITIES CHARGES

Assumptions/Comments:



Paid entirely in Phase I

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1.	CAPITAL FACILITIES CHARGES - RESIDENTIAL	0	LOTS	\$1,500.00	\$0.00
2.	CAPITAL FACILITIES CHARGES - COMMERCIAL/MIXED USE	0	AC	\$4,500.00	\$0.00
4.	CAPITAL FACILITIES CHARGES - OUTLOTS (A & E)	0.00	AC	\$4,200.00	\$0.00

Estimated Construction Costs: \$0.00

Estimated Soft Costs

2.00% **Legal:** \$0.00
5.00% **Fiscal:** \$0.00
7.00% **Interest:** \$0.00
9 **Duration (Months)**

Total Estimated Soft Costs: 0% \$0.00

Total Estimated Costs: \$0.00

Bg

WATER INTERIOR G.O.

Assumptions/Comments:



Price difference for pipes larger than 8" is GO

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	CONSTRUCT 6" WATER MAIN	0	LF	\$20.00	\$0.00
2.	CONSTRUCT 8" WATER MAIN	0	LF	\$26.00	\$0.00
3.	CONSTRUCT 12" WATER MAIN (OFFSITE)	540	LF	\$44.00	\$23,760.00
	CONSTRUCT 12" WATER MAIN (COST DIFFERNCE WITH 8")	3,350	LF	\$15.00	\$50,250.00
4.	CONSTRUCT 6" PIPE BEDDING	0	LF	\$3.00	\$0.00
5.	CONSTRUCT 8" PIPE BEDDING	0	LF	\$4.00	\$0.00
6.	CONSTRUCT 12" PIPE BEDDING (OFFSITE)	540	LF	\$6.00	\$3,240.00
	CONSTRUCT 12" PIPE BEDDING (OFFSITE)	3,350	LF	\$2.00	\$6,700.00
7.	BORE AND JACK 16" STEEL CASING	170	LF	\$200.00	\$34,000.00
8.	CUT IN 12" TEE AND VALVE	0	EA	\$800.00	\$0.00
	CONSTRUCT END OF MAIN HYDRANT, GATE VALVE AND TEE ASSEMBLY AND BACKING BLOCK	0	EA	\$3,600.00	\$0.00
9.	CONSTRUCT HYDRANT, GATE VALVE AND TEE ASSEMBLY	0	EA	\$3,800.00	\$0.00
10.	CONSTRUCT 12 X 12 X 8 M.J. TEE ASSEMBLY AND BACKING BLOCK	0	EA	\$500.00	\$0.00
11.	CONSTRUCT 8 X 8 X 6 M.J. TEE ASSEMBLY AND BACKING BLOCK	0	EA	\$400.00	\$0.00
12.	CONSTRUCT 12X12X12X12 CROSS ASSEMBLY	0	EA	\$450.00	\$0.00
13.	CONSTRUCT 12X12X8X8 CROSS ASSEMBLY	0	EA	\$425.00	\$0.00
14.	CONSTRUCT 8X8X6X6 CROSS ASSEMBLY	0	EA	\$400.00	\$0.00
15.	CONSTRUCT M.J. GATE VALVE AND BOX	0	EA	\$1,500.00	\$0.00
16.					
17.	CONSTRUCT 12" x 90 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0	EA	\$450.00	\$0.00
18.	CONSTRUCT 12" x 45 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0	EA	\$450.00	\$0.00
19.	CONSTRUCT 12" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0	EA	\$450.00	\$0.00
20.	CONSTRUCT 6" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0	EA	\$300.00	\$0.00
21.	CONSTRUCT 8" X 6" REDUCER	0	EA	\$150.00	\$0.00
22.	CONSTRUCT 6" X 6" REDUCER	0	EA	\$150.00	\$0.00
23.	CONSTRUCT CHLORINE TUBE	1	EA	\$1,500.00	\$1,500.00
24.	CONSTRUCT SAMPLE TAP	8	EA	\$400.00	\$3,200.00
25.	CONSTRUCT SILT FENCE	500	LF	\$3.00	\$1,500.00
26.	CONTINGENCY	15.00	%		\$18,622.50

Estimated Construction Costs: \$142,772.50

Estimated Soft Costs

19.00%	Engineering Design and Construction Administration:	\$27,126.78
2.00%	Geotechnical and Testing:	\$2,855.45
5.00%	Legal:	\$7,138.63
5.00%	Fiscal:	\$8,994.67
7.00%	Interest:	\$9,916.62
	9 Duration (Months)	

Total Estimated Soft Costs: 39% \$56,032.14

Total Estimated Costs: \$198,804.64

Bh

POWER- Residential

Assumptions/Comments:



Commercial Service could be Delayed

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1.	UNDERGROUND SERVICE - RESIDENTIAL	48	LOT	\$1,350.00	\$64,800.00

Estimated Construction Costs: \$64,800.00

Estimated Soft Costs

25.00% Engineering Design and Construction Administration:	\$16,200.00
5.00% Legal:	\$3,240.00
5.00% Fiscal:	\$4,212.00
7.00% Interest:	\$4,643.73
9 Duration (Months)	

Total Estimated Soft Costs: 44% \$28,295.73

Total Estimated Costs: \$93,095.73

DECORATIVE STREET LIGHTS

Assumptions/Comments:



Using OPPD decorative street light yearly rate, fee and cost differentials PDF provided by Pat Carnazzo with OPPD
Using Acorn style street lights with decorative base and assumed 180' spacing (15,000 lf of streets).

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1.	DECORATIVE STREET LIGHTS	16	EA	2,050.00	\$32,800.00

Estimated Construction Costs: \$32,800.00

Estimated Soft Costs

0.00% Engineering Design and	\$0.00
5.00% Legal:	\$1,640.00
5.00% Fiscal:	\$1,722.00
7.00% Interest:	\$1,265.67
6 Duration (Months)	

Total Estimated Soft Costs: 14% \$4,627.67

Total Estimated Costs: \$37,427.67

Bi

Bj

Plan Review Fee

Assumptions/Comments:



	Bid Item Description	Construction Cost	Plan Review Fee	Total
1 .	SANITARY SEWER - INTERIOR	\$292,392.88	1.00%	\$2,923.93
2 .	SANITARY SEWER - OUTFALL	\$0.00	1.00%	\$0.00
3 .	STORM SEWER	\$116,206.93	1.00%	\$1,162.07
4 .	PAVING MINOR	\$340,229.61	1.00%	\$3,402.30
5 .			1.00%	\$0.00
6 .			1.00%	\$0.00
7 .	SIDEWALKS	\$12,712.97	1.00%	\$127.13
8 .			1.00%	\$0.00
9 .	WATER INTERIOR	\$357,701.75	1.00%	\$3,577.02

Estimated Construction Costs: \$11,192.44

Estimated Soft Costs

5.00% Fiscal: \$559.62
 7.00% Interest: \$822.64

12 Duration (Months)

Total Estimated Soft Costs: 12% \$1,382.27

Total Estimated Costs: \$12,574.71

BK

S.I.D. Cost Estimate

Ashbury Farm - Phase 3

112043.33

SID No. 293

9/10/2015

Ashbury Farm, Sarpy County SID 293
ORDER OF MAGNITUDE COST ESTIMATE
Phase 3

Proposed Improvement	Quantity	Unit	Construction Cost	Total Cost	General Obligation	Special	Future SID Reimbursable	City of Papillion Reimbursable	Sarpy County Reimbursable	Private
SANITARY SEWER										
Interior	1550	LF	\$84,600.00	\$123,600.00	\$9,400.00	\$114,200.00	\$0.00	\$0.00	\$0.00	\$0.00
STORM SEWER	2709	LF	\$188,100.00	\$266,300.00	\$266,300.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PAVING										
Minor	8900	SY	\$383,600.00	\$534,200.00	\$219,700.00	\$314,500.00	\$0.00	\$0.00	\$0.00	\$0.00
SIDEWALKS	2040	SF	\$12,700.00	\$18,500.00	\$18,500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LANDSCAPING	0	LS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
REGULATORY SIGNS	4	EA	\$3,100.00	\$4,400.00	\$4,400.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PARKS ACQUISITION	0.00	AC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WATER										
Interior	2050	LF	\$104,800.00	\$150,500.00	\$6,300.00	\$144,200.00	\$0.00	\$0.00	\$0.00	\$0.00
Capital Facilities Charge	1	LS	\$112,434.33	\$126,739.07	\$0.00	\$126,739.07	\$0.00	\$0.00	\$0.00	\$0.00
POWER										
Residential Service	0	Lots	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Commercial Service	46	AC	\$165,500.00	\$237,800.00	\$0.00	\$237,800.00	\$0.00	\$0.00	\$0.00	\$0.00
Decorative Street Lights	10	EA	\$20,500.00	\$23,400.00	\$23,400.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CIVIL DEFENSE SIREN	0	LS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PLAN REVIEW FEE	1	%	\$7,700.00	\$8,700.00	\$4,500.00	\$4,200.00	\$0.00	\$0.00	\$0.00	\$0.00
Total			\$1,083,034.33	\$1,494,139.07	\$552,500.00	\$941,639.07	\$0.00	\$0.00	\$0.00	\$0.00

31

Bm

DEBT RATIO

ASSUMPTIONS

Average market Value Per Residential Lot (land value only)	=	<input type="text" value="\$85,000.00"/>
Average market Value Per Residential Lot (Improvements) (improvement value only)	=	<input type="text" value="\$415,000.00"/>
Commercial Land Value per square foot	=	<input type="text" value="\$8.00"/>
Commercial Building Value per square foot (Includes Land)	=	<input type="text" value="\$85.00"/>

ASSESSABLE VALUATION

Residential Lot	<input type="text" value="0"/>	Units =	\$85,000.00 =	\$0.00
Residential Improvements	<input type="text" value="0"/>	Units =	\$415,000.00 =	\$0.00
Commercial Land	<input type="text" value="46.24"/>	AC =	\$348,480.00 =	\$16,113,715.20
Commercial Building (20% of Lot Area)	<input type="text" value="402,843"/>	SF =	\$85.00 =	\$34,241,644.80
			Total 100% Valuation =	\$50,355,360.00
			Total 95% Valuation =	\$47,837,592.00
			DEBT RATIO =	<input type="text" value="1.15%"/>

Bn

SANITARY SEWER - INTERIOR

Assumptions/Comments:



Phase 3 sanitary within Richland Avenue only. 8" includes 12- 8" stubs to commercial lots

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	CLEARING AND GRUBBING GENERAL	1.00	LS	\$5,000.00	\$5,000.00
2.	CONSTRUCT 6" SANITARY SEWER PIPE	0	LF	\$15.00	\$0.00
3.	CONSTRUCT 8" SANITARY SEWER PIPE	1550	LF	\$16.00	\$24,800.00
4.	CONSTRUCT 4" FORCE MAIN	0	LF	\$20.00	\$0.00
5.	CONSTRUCT 54" I.D. SANITARY MANHOLE (7 EA)	91	VF	\$275.00	\$25,025.00
6.	CONSTRUCT MANHOLE RING COLLAR	1	EA	\$350.00	\$350.00
7.	CONSTRUCT EXTERNAL FRAME SEAL	1	EA	\$400.00	\$400.00
8.	EXCAVATION FOR EXTRA DEEP SANITARY SEWER	38	VF-LF	\$10.00	\$379.90
9.	CONSTRUCT 8" X 6" WYE	0	EA	\$100.00	\$0.00
10.	CONSTRUCT 8" PIPE PLUG	12	EA	\$250.00	\$3,000.00
11.	CONSTRUCT MANHOLE STUBOUT	1	EA	\$100.00	\$100.00
12.	CONSTRUCT 6" PIPE BEDDING	0	LF	\$5.00	\$0.00
13.	CONSTRUCT 8" PIPE BEDDING	1550	LF	\$5.50	\$8,525.00
14.	STABILIZE TRENCH W/ CRUSHED LIMESTONE	15	TN	\$25.00	\$379.90
15.	INSTALL VACUUM PRIME LIFT STATION	0	EA	\$20,000.00	\$0.00
16.	CONSTRUCT 72" I.D. LIFT STATION MANHOLE (1 EA)	0	VF	\$800.00	\$0.00
17.	INSTALL METER PANEL AND WIRING	0	EA	\$11,000.00	\$0.00
18.	INSTALL GENERATOR	0	EA	\$20,000.00	\$0.00
19.	CONSTRUCT GENERATOR PAD	0	EA	\$2,100.00	\$0.00
20.	CONSTRUCT 6' TALL CHAIN LINK FENCE	0	LF	\$75.00	\$0.00
21.	CONSTRUCT ROCK SURFACING	0	TN	\$25.00	\$0.00
22.	CONSTRUCT SILT FENCE	500	LF	\$3.00	\$1,500.00
23.	CLEANOUT SILT FENCE	500	LF	\$1.25	\$625.00
24.	CLEANOUT SILT BASIN	500	CY	\$3.00	\$1,500.00
25.	SEEDING - TYPE "TEMPORARY SEED MIX"	0.50	AC	\$500.00	\$250.00
26.	HAY OR STRAW MULCH	0.50	AC	\$450.00	\$225.00
27.	ROLLED EROSION CONTROL, TYPE II	500	SY	\$3.00	\$1,500.00
	CONTINGENCY	15%	%	\$73,559.80	\$11,033.97

Estimated Construction Costs: \$84,593.77

Estimated Soft Costs

Engineering Design and	
23.00% Construction Administration:	\$19,456.57
2.00% Geotechnical and Testing:	\$1,691.88
5.00% Legal:	\$4,229.69
5.00% Fiscal:	\$5,498.60
7.00% Interest:	\$8,082.94
12 Duration (Months)	

Total Estimated Soft Costs: 46% \$38,959.66

Total Estimated Costs: \$123,553.44

Bo

SANITARY SEWER - INTERIOR G.O.

Assumptions/Comments:



Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1	CLEARING AND GRUBBING GENERAL	0	LS	\$5,000.00	\$0.00
2	CONSTRUCT 6" SANITARY SEWER PIPE	0	LF	\$15.00	\$0.00
3	CONSTRUCT 8" SANITARY SEWER PIPE	0	LF	\$16.00	\$0.00
4	CONSTRUCT 4" FORCE MAIN	0	LF	\$20.00	\$0.00
4	CONSTRUCT 54" I.D. SANITARY MANHOLE (41 EA)	0	VF	\$275.00	\$0.00
5	CONSTRUCT MANHOLE RING COLLAR	0	EA	\$350.00	\$0.00
6	CONSTRUCT EXTERNAL FRAME SEAL	0	EA	\$400.00	\$0.00
7	EXCAVATION FOR EXTRA DEEP SANITARY SEWER	0	VF-LF	\$10.00	\$0.00
8	CONSTRUCT 8" X 6" WYE	0	EA	\$100.00	\$0.00
9	CONSTRUCT 8" PIPE PLUG	0	EA	\$250.00	\$0.00
10	CONSTRUCT MANHOLE STUBOUT	0	EA	\$100.00	\$0.00
12	CONSTRUCT 6" PIPE BEDDING	0	LF	\$5.00	\$0.00
13	CONSTRUCT 8" PIPE BEDDING	0	LF	\$5.50	\$0.00
14	STABILIZATION TRENCH W/ CRUSHED LIMESTONE	0	TN	\$25.00	\$0.00
15	INSTALL VACUUM PRIME LIFT STATION	0	EA	\$20,000.00	\$0.00
16	CONSTRUCT 72" I.D. LIFT STATION MANHOLE (1 EA)	0	VF	\$800.00	\$0.00
17	INSTALL METER PANEL AND WIRING	0	EA	\$11,000.00	\$0.00
18	INSTALL GENERATOR	0	EA	\$20,000.00	\$0.00
19	CONSTRUCT GENERATOR PAD	0	EA	\$2,100.00	\$0.00
20	CONSTRUCT 6' TALL CHAIN LINK FENCE	0	LF	\$75.00	\$0.00
21	CONSTRUCT ROCK SURFACING	0	TN	\$25.00	\$0.00
22	CONSTRUCT SILT FENCE	500	LF	\$3.00	\$1,500.00
23	CLEANOUT SILT FENCE	500	LF	\$1.25	\$625.00
24	CLEANOUT SILT BASIN	500	CY	\$3.00	\$1,500.00
25	SEEDING - TYPE "TEMPORARY SEED MIX"	1	AC	\$500.00	\$250.00
26	HAY OR STRAW MULCH	1	AC	\$450.00	\$225.00
27	ROLLED EROSION CONTROL, TYPE II	500	SY	\$3.00	\$1,500.00
	CONTINGENCY		15 %		\$840.00

Estimated Construction Costs: \$6,440.00

Estimated Soft Costs

23.00%	Engineering Design and Construction Administration:	\$1,481.20
2.00%	Geotechnical and Testing:	\$128.80
5.00%	Legal:	\$322.00
5.00%	Fiscal:	\$418.60
7.00%	Interest:	\$615.34
	12 Duration (Months)	

Total Estimated Soft Costs: 46% \$2,965.94

Total Estimated Costs: \$9,405.94

Bp

STORM SEWER

Assumptions/Comments:



	Bid Item Description	Approximate		Unit Price	Total
		Quantity	Unit		
1.	CLEARING AND GRUBBING GENERAL	1.00	LS	\$2,500.00	\$2,500.00
2.	GENERAL GRADING AND SHAPING	1.00	LS	\$5,000.00	\$5,000.00
3.	CONSTRUCT 18" R.C.P., CLASS III	1100	LF	\$25.00	\$27,500.00
4.	CONSTRUCT 24" R.C.P., CLASS III	215	LF	\$30.00	\$6,450.00
5.	CONSTRUCT 30" R.C.P., CLASS III	1115	LF	\$38.00	\$42,370.00
6.	CONSTRUCT 36" R.C.P., D(0.01) = 1,350	150	LF	\$50.00	\$7,500.00
7.	CONSTRUCT 42" R.C.P., D(0.01) = 1,350	129	LF	\$68.00	\$8,772.00
8.	CONSTRUCT 48" R.C.P., D(0.01) = 1,350	0	LF	\$82.00	\$0.00
9.	CONSTRUCT 18" R.C. FLARED END SECTION	0	EA	\$750.00	\$0.00
10.	CONSTRUCT 24" R.C. FLARED END SECTION	1	EA	\$900.00	\$900.00
11.	CONSTRUCT 36" R.C. FLARED END SECTION	0	EA	\$1,200.00	\$0.00
12.	CONSTRUCT 42" R.C. FLARED END SECTION	1	EA	\$1,500.00	\$1,500.00
13.	CONSTRUCT 48" R.C. FLARED END SECTION	0	EA	\$2,000.00	\$0.00
14.	CONSTRUCT 54" I.D. FLATTOP MANHOLE (5 EA)	25	VF	\$250.00	\$6,250.00
15.	CONSTRUCT 60" I.D. FLATTOP MANHOLE (0 EA)	0	VF	\$275.00	\$0.00
16.	CONSTRUCT 84" I.D. FLATTOP MANHOLE (0 EA)	0	VF	\$500.00	\$0.00
17.	CONSTRUCT 54" I.D. TYPE II AREA INLET (4 EA)	20	VF	\$400.00	\$8,000.00
18.	CONSTRUCT 18" PIPE BEDDING	1100	LF	\$3.00	\$3,300.00
19.	CONSTRUCT 24" PIPE BEDDING	215	LF	\$4.00	\$860.00
20.	CONSTRUCT 30" PIPE BEDDING	1115	LF	\$5.00	\$5,575.00
21.	CONSTRUCT 36" PIPE BEDDING	150	LF	\$7.50	\$1,125.00
22.	CONSTRUCT 42" PIPE BEDDING	129	LF	\$10.00	\$1,290.00
23.	CONSTRUCT 48" PIPE BEDDING	0	LF	\$14.00	\$0.00
24.	STABILIZE TRENCH W/ CRUSHED LIMESTONE	200	TN	\$25.00	\$5,000.00
25.	CONSTRUCT POND OUTLET STRUCTURE (BASIN A)	7	VF	\$1,000.00	\$7,000.00
26.	CONSTRUCT POND OUTLET STRUCTURE (BASIN B)	0	VF	\$1,000.00	\$0.00
27.	CONSTRUCT POND OUTLET STRUCTURE (BASIN E)	0	VF	\$1,000.00	\$0.00
28.	CONSTRUCT POND OUTLET STRUCTURE (BASIN G)	0	VF	\$1,000.00	\$0.00
29.	CONSTRUCT MANHOLE RING COLLAR	0	EA	\$250.00	\$0.00
30.	CONSTRUCT RIP-RAP APRON - (NDOR TYPE "B")	60	TON	\$36.00	\$2,160.00
31.	CONSTRUCT ROCK RIP-RAP - TYPE "C"	17	TON	\$38.00	\$646.00
	CONSTRUCT OUTLET ENERGY DISSIPATION	2	EA	\$3,000.00	\$6,000.00
32.	CONSTRUCT TEMPORARY END OF STREET DRAIN	1	EA	\$2,000.00	\$2,000.00
33.	CONSTRUCT ROCK ACCESS ROAD	60	TN	\$22.00	\$1,320.00
34.	CONSTRUCT SILT FENCE	400	LF	\$3.00	\$1,200.00
35.	CLEANOUT SILT FENCE	250	LF	\$1.25	\$312.50
36.	CLEANOUT SILT BASIN	2000	CY	\$3.00	\$6,000.00
37.	SEEDING - TYPE "TEMPORARY SEED MIX"	1	AC	\$500.00	\$500.00
38.	HAY OR STRAW MULCH	1	AC	\$450.00	\$450.00
39.	ROLLED EROSION CONTROL, TYPE II	700	SY	\$3.00	\$2,100.00
	CONTINGENCY	15%		\$163,580.50	\$24,537.08

Estimated Construction Costs: \$188,117.58

Estimated Soft Costs

Engineering Design and	
20.00% Construction Administration:	\$37,623.52
1.00% Geotechnical and Testing:	\$1,881.18
5.00% Legal:	\$9,405.88
5.00% Fiscal:	\$11,851.41
7.00% Interest:	\$17,421.57
12 Duration (Months)	

Total Estimated Soft Costs: 42% \$78,183.55

Total Estimated Costs: \$266,301.12

B₉

STORM SEWER G.O.

Assumptions/Comments:

	Bid Item Description	Approximate		Unit Price	Total
		Quantity	Unit		
1.	CLEARING AND GRUBBING GENERAL	1.00	LS	\$2,500.00	\$2,500.00
2.	GENERAL GRADING AND SHAPING	1.00	LS	\$5,000.00	\$5,000.00
3.	CONSTRUCT 18" R.C.P., CLASS III	1100.00	LF	\$25.00	\$27,500.00
4.	CONSTRUCT 24" R.C.P., CLASS III	215.00	LF	\$30.00	\$6,450.00
5.	CONSTRUCT 30" R.C.P., CLASS III	1115.00	LF	\$38.00	\$42,370.00
6.	CONSTRUCT 36" R.C.P., D(0.01) = 1,350	150.00	LF	\$50.00	\$7,500.00
7.	CONSTRUCT 42" R.C.P., D(0.01) = 1,350	129.00	LF	\$68.00	\$8,772.00
8.	CONSTRUCT 48" R.C.P., D(0.01) = 1,350	0.00	LF	\$82.00	\$0.00
9.	CONSTRUCT 18" R.C. FLARED END SECTION	0.00	EA	\$750.00	\$0.00
10.	CONSTRUCT 24" R.C. FLARED END SECTION	1.00	EA	\$900.00	\$900.00
11.	CONSTRUCT 36" R.C. FLARED END SECTION	0.00	EA	\$1,200.00	\$0.00
12.	CONSTRUCT 42" R.C. FLARED END SECTION	1.00	EA	\$1,500.00	\$1,500.00
13.	CONSTRUCT 48" R.C. FLARED END SECTION	0.00	EA	\$2,000.00	\$0.00
14.	CONSTRUCT 54" I.D. FLATTOP MANHOLE (5 EA)	25.00	VF	\$250.00	\$6,250.00
15.	CONSTRUCT 60" I.D. FLATTOP MANHOLE (1 EA)	0.00	VF	\$275.00	\$0.00
16.	CONSTRUCT 84" I.D. FLATTOP MANHOLE (1 EA)	0.00	VF	\$500.00	\$0.00
17.	CONSTRUCT 54" I.D. TYPE II AREA INLET (1 EA)	20.00	VF	\$400.00	\$8,000.00
18.	CONSTRUCT 18" PIPE BEDDING	1100.00	LF	\$3.00	\$3,300.00
19.	CONSTRUCT 24" PIPE BEDDING	215.00	LF	\$4.00	\$860.00
20.	CONSTRUCT 30" PIPE BEDDING	1115.00	LF	\$5.00	\$5,575.00
21.	CONSTRUCT 36" PIPE BEDDING	150.00	LF	\$7.50	\$1,125.00
22.	CONSTRUCT 42" PIPE BEDDING	129.00	LF	\$10.00	\$1,290.00
23.	CONSTRUCT 48" PIPE BEDDING	0.00	LF	\$14.00	\$0.00
24.	STABILIZE TRENCH W/ CRUSHED LIMESTONE	200.00	TN	\$25.00	\$5,000.00
25.	CONSTRUCT POND OUTLET STRUCTURE (BASIN A)	7.00	VF	\$1,000.00	\$7,000.00
26.	CONSTRUCT POND OUTLET STRUCTURE (BASIN B)	0.00	VF	\$1,000.00	\$0.00
27.	CONSTRUCT POND OUTLET STRUCTURE (BASIN E)	0.00	VF	\$1,000.00	\$0.00
28.	CONSTRUCT POND OUTLET STRUCTURE (BASIN G)	0.00	VF	\$1,000.00	\$0.00
29.	CONSTRUCT MANHOLE RING COLLAR	0.00	EA	\$250.00	\$0.00
30.	CONSTRUCT RIP-RAP APRON - (NDOR TYPE "B")	60.00	TON	\$36.00	\$2,160.00
31.	CONSTRUCT ROCK RIP-RAP - TYPE "C"	17.00	TON	\$38.00	\$646.00
	CONSTRUCT OUTLET ENERGY DISSIPATION	2.00	EA	\$3,000.00	\$6,000.00
32.	CONSTRUCT TEMPORARY END OF STREET DRAIN	1.00	EA	\$2,000.00	\$2,000.00
33.	CONSTRUCT ROCK ACCESS ROAD	60.00	TN	\$22.00	\$1,320.00
34.	CONSTRUCT SILT FENCE	400.00	LF	\$3.00	\$1,200.00
35.	CLEANOUT SILT FENCE	250.00	LF	\$1.25	\$312.50
36.	CLEANOUT SILT BASIN	2000.00	CY	\$3.00	\$6,000.00
37.	SEEDING - TYPE "TEMPORARY SEED MIX"	1.00	AC	\$500.00	\$500.00
38.	HAY OR STRAW MULCH	1.00	AC	\$450.00	\$450.00
39.	ROLLED EROSION CONTROL, TYPE II	700.00	SY	\$3.00	\$2,100.00
	CONTINGENCY	15%		\$163,580.50	\$24,537.08

Estimated Construction Costs: \$188,117.58

Estimated Soft Costs

Engineering Design and	
20.00% Construction Administration:	\$37,623.52
1.00% Geotechnical and Testing:	\$1,881.18
5.00% Legal:	\$9,405.88
5.00% Fiscal:	\$11,851.41
7.00% Interest:	\$17,421.57
12 Duration (Months)	

Total Estimated Soft Costs: 42% \$78,183.55

Total Estimated Costs: \$266,301.12

Br

PAVING MINOR

Assumptions/Comments:



Includes commercial only.

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1 .	7" CONCRETE PAVEMENT - TYPE L65	0	SY	\$25.00	\$0.00
2 .	9" CONCRETE PAVEMENT - TYPE L65	8900	SY	\$31.00	\$275,900.00
3 .	COMMON EARTHWORK EXCAVATION	2967	CY	\$2.50	\$7,416.67
4 .	MEDIAN NOSE	0	EA	\$250.00	\$0.00
5 .	ADJUST MANHOLE TO GRADE	12	EA	\$150.00	\$1,800.00
6 .	EXTERNAL FRAME SEAL	12	EA	\$350.00	\$4,200.00
7 .	CONSTRUCT CURB INLET - TYPE I	2	EA	\$2,500.00	\$5,000.00
8 .	CONSTRUCT CURB INLET - TYPE III	6	EA	\$2,750.00	\$16,500.00
	PREFORMED PAVEMENT MARKING TAPE MARKING SYMBOL - WHITE				
9 .	"ONLY"	1	EA	\$350.00	\$350.00
	PREFORMED PAVEMENT MARKING TAPE MARKING SYMBOL - WHITE				
10 .	DIRECTIONAL ARROW	2	EA	\$350.00	\$700.00
	4" PREFORMED PAVEMENT MARKING TAPE PAVEMENT MARKING -				
11 .	WHITE	4715	LF	\$3.00	\$14,145.00
	24" PREFORMED PAVEMENT MARKING TAPE PAVEMENT MARKING -				
12 .	WHITE	28	LF	\$20.00	\$560.00
13 .	TOPSOIL PLACEMENT	0	CY	\$10.00	\$0.00
14 .	CONSTRUCT SILT FENCE	400	LF	\$3.00	\$1,200.00
15 .	CLEANOUT SILT FENCE	250	LF	\$1.25	\$312.50
16 .	CLEANOUT SILT BASIN	1000	CY	\$3.00	\$3,000.00
17 .	SEEDING - TYPE "TEMPORARY SEED MIX"	1	AC	\$500.00	\$500.00
18 .	HAY OR STRAW MULCH	1	AC	\$450.00	\$450.00
19 .	JET EXISTING SEWER	1550	LF	\$1.00	\$1,550.00
	CONTINGENCY	15	%		\$50,037.63

Estimated Construction Costs: \$383,621.79

Estimated Soft Costs

Engineering Design and	
19.00% Construction Administration:	\$72,888.14
2.00% Geotechnical and Testing:	\$7,672.44
5.00% Legal:	\$19,181.09
5.00% Fiscal:	\$24,168.17
7.00% Interest:	\$26,645.41
9 Duration (Months)	

Total Estimated Soft Costs: 39% \$150,555.25

Total Estimated Costs: \$534,177.04

PAVING IN EXCESS OF 6" THICK

Assumptions/Comments:

Total pavement in excess of 6" minus G.O. pavement. Excess reduced until valuations are greater than \$525k

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1 .	1" CONCRETE PAVEMENT	0	SY	\$25.55	\$0.00
2 .	3" CONCRETE PAVEMENT	0	SY	\$31.00	\$0.00

Estimated Construction Costs:					\$0.00
FORMULA :	7" PAVEMENT QUANTITY	0	SY		
	- G.O. PAVEMENT QUANTITY	-0	SY		
					0
	0 SY X (1/7") = 0 SY				

Estimated Soft Costs					
FORMULA :	9" PAVEMENT QUANTITY	8,900	SY		
	- G.O. PAVEMENT QUANTITY	-2,945	SY		
					5,955
	5,955 SY X (3/7") = 2,552 SY				
	19.00%	Engineering Design and			\$0.00
	2.00%	Geotechnical and Testing:			\$0.00
	5.00%	Legal:			\$0.00
	5.00%	Fiscal:			\$0.00
	7.00%	Interest:			\$0.00
		9 Duration (Months)			

Total Estimated Soft Costs: 0% \$0.00

Total Estimated Costs: \$0.00

B+

PAVING MINOR G.O.

Assumptions/Comments:



Intersection paving and extra width paving beyond 25'

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	7" CONCRETE PAVEMENT - TYPE L65	0	SY	\$25.00	\$0.00
2.	9" CONCRETE PAVEMENT - TYPE L65	2945	SY	\$31.00	\$91,295.00
3.	COMMON EARTHWORK EXCAVATION	982	CY	\$2.50	\$2,454.17
4.	MEDIAN NOSE	0	EA	\$250.00	\$0.00
5.	ADJUST MANHOLE TO GRADE	5	EA	\$150.00	\$750.00
6.	EXTERNAL FRAME SEAL	0	EA	\$350.00	\$0.00
7.	CONSTRUCT CURB INLET - TYPE I	2	EA	\$2,500.00	\$5,000.00
8.	CONSTRUCT CURB INLET - TYPE III	6	EA	\$2,750.00	\$16,500.00
9.	PREFORMED PAVEMENT MARKING TAPE MARKING SYMBOL - WHITE "ONLY"	1	EA	\$350.00	\$350.00
10.	PREFORMED PAVEMENT MARKING TAPE MARKING SYMBOL - WHITE DIRECTIONAL ARROW	2	EA	\$350.00	\$700.00
11.	4" PREFORMED PAVEMENT MARKING TAPE PAVEMENT MARKING - WHITE	4715	LF	\$3.00	\$14,145.00
12.	24" PREFORMED PAVEMENT MARKING TAPE PAVEMENT MARKING - WHITE	28	LF	\$20.00	\$560.00
13.	TOPSOIL PLACEMENT	0	CY	\$10.00	\$0.00
14.	CONSTRUCT SILT FENCE	400	LF	\$3.00	\$1,200.00
15.	CLEANOUT SILT FENCE	250	LF	\$1.25	\$312.50
16.	CLEANOUT SILT BASIN	1000	CY	\$3.00	\$3,000.00
17.	SEEDING - TYPE "TEMPORARY SEED MIX"	1	AC	\$500.00	\$500.00
18.	HAY OR STRAW MULCH	1	AC	\$450.00	\$450.00
19.	JET EXISTING SEWER	0	LF	\$1.00	\$0.00
	CONTINGENCY	15	%		\$20,582.50

Estimated Construction Costs: \$157,799.17

Estimated Soft Costs

19.00%	Engineering Design and Construction Administration:	\$29,981.84
2.00%	Geotechnical and Testing:	\$3,155.98
5.00%	Legal:	\$7,889.96
5.00%	Fiscal:	\$9,941.35
7.00%	Interest:	\$10,960.34
	9 Duration (Months)	

Total Estimated Soft Costs: 39% \$61,929.47

Total Estimated Costs: \$219,728.63

Bu

PAVING IN EXCESS OF 6" THICK - G.O.

Assumptions/Comments:

Total pavement in excess of 6" minus G.O. pavement

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	1" CONCRETE PAVEMENT	0	SY	\$25.55	\$0.00
2.	3" CONCRETE PAVEMENT	0	SY	\$31.00	\$0.00
Estimated Construction Costs:					\$0.00
FORMULA :	7" PAVEMENT QUANTITY	0	SY		
	- G.O. PAVEMENT QUANTITY	-0	SY		
		<hr/>			0
	0 SY X (1/7") = 0 SY				
FORMULA :	9" PAVEMENT QUANTITY	8,900	SY		
	- G.O. PAVEMENT QUANTITY	-2,945	SY		
		<hr/>			5,955
	5,955 SY X (3/7") = 2,552 SY				
				19.00% Engineering Design and	\$0.00
				2.00% Geotechnical and Testing:	\$0.00
				5.00% Legal:	\$0.00
				5.00% Fiscal:	\$0.00
				7.00% Interest:	\$0.00
				9 Duration (Months)	
				Total Estimated Soft Costs:	0% <u>\$0.00</u>
				Total Estimated Costs:	<u>\$0.00</u>

Bv

SIDEWALKS

Assumptions/Comments:



5' trail with Outlot A

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1	4" CONCRETE SIDEWALK	2,040	SF	\$3.50	\$7,140.00
2	SUBGRADE PREPARATION	317	SY	\$2.50	\$793.33
3	COMMON EARTH EXCAVATION	150	CY	\$7.00	\$1,048.74
4	CONSTRUCT CONCRETE CURB RAMP	0	SF	\$9.00	\$0.00
5	CONSTRUCT DETECTABLE WARNING PANEL	0	EA	\$100.00	\$0.00
6	SEEDING - TYPE "NON -IRRIGATED LAWN AND TURF SEED"	1.00	AC	\$1,600.00	\$1,600.00
7	HAY OR STRAW MULCH	1.00	AC	\$450.00	\$450.00
	CONTINGENCY		15 %		\$1,654.81

Estimated Construction Costs: \$12,686.88

Estimated Soft Costs

Engineering Design and	
24.00% Construction Administration:	\$3,044.85
1.00% Geotechnical and Testing:	\$126.87
5.00% Legal:	\$634.34
5.00% Fiscal:	\$824.65
7.00% Interest:	\$1,212.23
12 Duration (Months)	

Total Estimated Soft Costs: 46% \$5,842.94

Total Estimated Costs: \$18,529.83

BW

SIDEWALKS G.O.

Assumptions/Comments:



All Sidewalks are G.O.

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1.	4" CONCRETE SIDEWALK	2,040	SF	\$3.50	\$7,140.00
2	SUBGRADE PREPARATION	317	SY	\$2.50	\$793.33
3	COMMON EARTH EXCAVATION	150	CY	\$7.00	\$1,048.74
4	CONSTRUCT CONCRETE CURB RAMP	0	SF	\$9.00	\$0.00
5	CONSTRUCT DETECTABLE WARNING PANEL	0	EA	\$100.00	\$0.00
6	SEEDING - TYPE "NON -IRRIGATED LAWN AND TURF SEED"	1.0	AC	\$1,600.00	\$1,600.00
7	HAY OR STRAW MULCH	1.0	AC	\$450.00	\$450.00
	CONTINGENCY		15 %		\$1,654.81

Estimated Construction Costs: \$12,686.88

Estimated Soft Costs

24.00%	Engineering Design and Construction Administration:	\$3,044.85
1.00%	Geotechnical and Testing:	\$126.87
5.00%	Legal:	\$634.34
5.00%	Fiscal:	\$824.65
7.00%	Interest:	\$1,212.23
	12 Duration (Months)	

Total Estimated Soft Costs: 46% \$5,842.94

Total Estimated Costs: \$18,529.83

Bx

REGULATORY SIGNAGE

Assumptions/Comments:



Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	STREET SIGN WITH DECORATIVE SWING PROOF BRACKETS	2	EA	\$350.00	\$700.00
2.	"STOP" SIGN (24")	2	EA	\$250.00	\$500.00
3.	SPEED LIMIT SIGN (18"X24")	2	EA	\$250.00	\$500.00
4.	2" SQUARE BLACK METAL POSTS WITH DECORATIVE TOP CAP	2	EA	\$375.00	\$750.00
	CONTINGENCY	25%		\$2,450.00	\$612.50

Estimated Construction Costs: \$3,062.50

Estimated Soft Costs

Engineering Design and	
25.00% Construction Administration:	\$765.63
5.00% Legal:	\$153.13
5.00% Fiscal:	\$199.06
7.00% Interest:	\$219.47
9 Duration (Months)	

Total Estimated Soft Costs: 44% \$1,337.28

Total Estimated Costs: \$4,399.78

By

REGULATORY SIGNAGE - G.O.

Assumptions/Comments:



All signage is G.O.

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	STREET SIGN WITH DECORATIVE SWING PROOF BRACKETS	2	EA	\$350.00	\$700.00
2.	"STOP" SIGN (24")	2	EA	\$250.00	\$500.00
3.	SPEED LIMIT SIGN (18"X24")	2	EA	\$250.00	\$500.00
4.	2" SQUARE BLACK METAL POSTS WITH DECORATIVE TOP CAP	2	EA	\$375.00	\$750.00
	CONTINGENCY	25%		\$2,450.00	\$612.50

Estimated Construction Costs: \$3,062.50

Estimated Soft Costs

25.00%	Engineering Design and	\$765.63
5.00%	Legal:	\$153.13
5.00%	Fiscal:	\$199.06
7.00%	Interest:	\$219.47
9	Duration (Months)	

Total Estimated Soft Costs: 44% \$1,337.28

Total Estimated Costs: \$4,399.78

WATER INTERIOR

Assumptions/Comments:



170 LF B&J underneath HWY 370 (west end)

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	CONSTRUCT 6" WATER MAIN	0	LF	\$20.00	\$0.00
2.	CONSTRUCT 8" WATER MAIN	2,050	LF	\$26.00	\$53,300.00
3.	CONSTRUCT 12" WATER MAIN	0	LF	\$44.00	\$0.00
4.	CONSTRUCT 6" PIPE BEDDING	0	LF	\$3.00	\$0.00
5.	CONSTRUCT 8" PIPE BEDDING	2,050	LF	\$4.00	\$8,200.00
6.	CONSTRUCT 12" PIPE BEDDING	0	LF	\$6.00	\$0.00
7.	BORE AND JACK 16" STEEL CASING	0	LF	\$200.00	\$0.00
8.	CUT IN 12" TEE AND VALVE	0	EA	\$800.00	\$0.00
9.	CONSTRUCT END OF MAIN HYDRANT, GATE VALVE AND TEE ASSEMBLY AND BACKING BLOCK	0	EA	\$3,600.00	\$0.00
10.	CONSTRUCT HYDRANT, GATE VALVE AND TEE ASSEMBLY	6	EA	\$3,800.00	\$22,800.00
11.	CONSTRUCT 12 X 12 X 8 M.J. TEE ASSEMBLY AND BACKING BLOCK	0	EA	\$500.00	\$0.00
12.	CONSTRUCT 8 X 8 X 6 M.J. TEE ASSEMBLY AND BACKING BLOCK	0	EA	\$400.00	\$0.00
13.	CONSTRUCT 12X12X12X12 CROSS ASSEMBLY	0	EA	\$450.00	\$0.00
14.	CONSTRUCT 12X12X8X8 CROSS ASSEMBLY	0	EA	\$425.00	\$0.00
15.	CONSTRUCT 8X8X6X6 CROSS ASSEMBLY	0	EA	\$400.00	\$0.00
16.	CONSTRUCT M.J. GATE VALVE AND BOX	2	EA	\$1,500.00	\$3,000.00
17.	CONSTRUCT 12" x 90 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0	EA	\$450.00	\$0.00
18.	CONSTRUCT 12" x 45 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0	EA	\$450.00	\$0.00
19.	CONSTRUCT 12" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0	EA	\$450.00	\$0.00
20.	CONSTRUCT 6" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0	EA	\$300.00	\$0.00
21.	CONSTRUCT 8" X 6" REDUCER	0	EA	\$150.00	\$0.00
22.	CONSTRUCT 6" X 6" REDUCER	0	EA	\$150.00	\$0.00
23.	CONSTRUCT CHLORINE TUBE	1	EA	\$1,500.00	\$1,500.00
24.	CONSTRUCT SAMPLE TAP	2	EA	\$400.00	\$800.00
25.	CONSTRUCT SILT FENCE	500	LF	\$3.00	\$1,500.00
	CONTINGENCY	15%		\$91,100.00	\$13,665.00

Estimated Construction Costs: \$104,765.00

Estimated Soft Costs

24.00% Engineering Design and Construction Administration:	\$25,143.60
1.00% Geotechnical and Testing:	\$1,047.65
5.00% Legal:	\$5,238.25
5.00% Fiscal:	\$6,809.73
7.00% Interest:	\$7,507.72
9 Duration (Months)	

Total Estimated Soft Costs: 44% \$45,746.95

Total Estimated Costs: \$150,511.95

CAPITAL FACILITIES CHARGES

Assumptions/Comments:



Paid entirely in Phase I (Commercial charge is special charge on commercial lots not assessed in Phase 1 or 2). All specially assessed.

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	CAPITAL FACILITIES CHARGES - RESIDENTIAL	0	LOTS	\$1,500.00	\$0.00
2.	CAPITAL FACILITIES CHARGES - COMMERCIAL/MIXED USE	1	LS	\$112,434.33	\$112,434.33
4.	CAPITAL FACILITIES CHARGES - OUTLOTS (A & E)	0.00	AC	\$4,200.00	\$0.00

Estimated Construction Costs: \$112,434.33

Estimated Soft Costs

2.00% Legal:	\$2,248.69
5.00% Fiscal:	\$5,734.15
7.00% Interest:	\$6,321.90
9 Duration (Months)	

Total Estimated Soft Costs: 13% \$14,304.74

Total Estimated Costs: \$126,739.07

WATER INTERIOR G.O.

Assumptions/Comments:



Price difference for pipes larger than 8" is GO

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1 .	CONSTRUCT 6" WATER MAIN	0	LF	\$20.00	\$0.00
2 .	CONSTRUCT 8" WATER MAIN	0	LF	\$26.00	\$0.00
3 .	CONSTRUCT 12" WATER MAIN (OFFSITE)	0	LF	\$44.00	\$0.00
	CONSTRUCT 12" WATER MAIN (COST DIFFERNCE WITH 8")	0	LF	\$15.00	\$0.00
4 .	CONSTRUCT 6" PIPE BEDDING	0	LF	\$3.00	\$0.00
5 .	CONSTRUCT 8" PIPE BEDDING	0	LF	\$4.00	\$0.00
6 .	CONSTRUCT 12" PIPE BEDDING (OFFSITE)	0	LF	\$6.00	\$0.00
	CONSTRUCT 12" PIPE BEDDING (OFFSITE)	0	LF	\$2.00	\$0.00
7 .	BORE AND JACK 16" STEEL CASING	0	LF	\$200.00	\$0.00
8 .	CUT IN 12" TEE AND VALVE	0	EA	\$800.00	\$0.00
9 .	CONSTRUCT END OF MAIN HYDRANT, GATE VALVE AND TEE ASSEMBLY AND BACKING BLOCK	0	EA	\$3,600.00	\$0.00
10 .	CONSTRUCT HYDRANT, GATE VALVE AND TEE ASSEMBLY	0	EA	\$3,800.00	\$0.00
11 .	CONSTRUCT 12 X 12 X 8 M.J. TEE ASSEMBLY AND BACKING BLOCK	0	EA	\$500.00	\$0.00
12 .	CONSTRUCT 8 X 8 X 6 M.J. TEE ASSEMBLY AND BACKING BLOCK	0	EA	\$400.00	\$0.00
13 .	CONSTRUCT 12X12X12X12 CROSS ASSEMBLY	0	EA	\$450.00	\$0.00
14 .	CONSTRUCT 12X12X8X8 CROSS ASSEMBLY	0	EA	\$425.00	\$0.00
15 .	CONSTRUCT 8X8X6X6 CROSS ASSEMBLY	0	EA	\$400.00	\$0.00
16 .	CONSTRUCT M.J. GATE VALVE AND BOX	0	EA	\$1,500.00	\$0.00
17 .	CONSTRUCT 12" x 90 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0	EA	\$450.00	\$0.00
18 .	CONSTRUCT 12" x 45 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0	EA	\$450.00	\$0.00
19 .	CONSTRUCT 12" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0	EA	\$450.00	\$0.00
20 .	CONSTRUCT 6" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0	EA	\$300.00	\$0.00
21 .	CONSTRUCT 8" X 6" REDUCER	0	EA	\$150.00	\$0.00
22 .	CONSTRUCT 6" X 6" REDUCER	0	EA	\$150.00	\$0.00
23 .	CONSTRUCT CHLORINE TUBE	1	EA	\$1,500.00	\$1,500.00
24 .	CONSTRUCT SAMPLE TAP	2	EA	\$400.00	\$800.00
25 .	CONSTRUCT SILT FENCE	500	LF	\$3.00	\$1,500.00
26 .	CONTINGENCY	15.00	%		\$570.00

Estimated Construction Costs: \$4,370.00

Estimated Soft Costs

Engineering Design and	
24.00% Construction Administration:	\$1,048.80
1.00% Geotechnical and Testing:	\$43.70
5.00% Legal:	\$218.50
5.00% Fiscal:	\$284.05
7.00% Interest:	\$313.17
9 Duration (Months)	

Total Estimated Soft Costs: 44% \$1,908.22

Total Estimated Costs: \$6,278.22

Cc

POWER- Residential

Assumptions/Comments:



Commercial Service could be Delayed

Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
2 . UNDERGROUND SERVICE - RESIDENTIAL	0	LOT	\$1,350.00	\$0.00
Estimated Construction Costs:				\$0.00
Estimated Soft Costs				
	25.00%	Engineering Design and Construction Administration:		\$0.00
	5.00%	Legal:		\$0.00
	5.00%	Fiscal:		\$0.00
	7.00%	Interest:		\$0.00
	9	Duration (Months)		
Total Estimated Soft Costs:				0% \$0.00
Total Estimated Costs:				\$0.00

POWER

Assumptions/Comments:



Commercial Service could be Delayed

Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1 . UNDERGROUND SERVICE - COMMERCIAL	46.24	AC	\$3,580.00	\$165,539.20
Estimated Construction Costs:				\$165,539.20
Estimated Soft Costs				
	25.00%	Engineering Design and		\$41,384.80
	5.00%	Legal:		\$8,276.96
	5.00%	Fiscal:		\$10,760.05
	7.00%	Interest:		\$11,862.95
	9	Duration (Months)		
Total Estimated Soft Costs:				44% \$72,284.76
Total Estimated Costs:				\$237,823.96

DECORATIVE STREET LIGHTS

Assumptions/Comments:



Using OPPD decorative street light yearly rate, fee and cost differentials PDF provided by Pat Carnazzo with OPPD
Using Acorn style street lights with decorative base and assumed 180' spacing (15,000 lf of streets).

Cd

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1.	DECORATIVE STREET LIGHTS	10	EA	2,050.00	\$20,500.00

Estimated Construction Costs: \$20,500.00

Estimated Soft Costs

0.00% Engineering Design and	\$0.00
5.00% Legal:	\$1,025.00
5.00% Fiscal:	\$1,076.25
7.00% Interest:	\$791.04
6 Duration (Months)	

Total Estimated Soft Costs: 14% \$2,892.29

Total Estimated Costs: \$23,392.29

Plan Review Fee

Assumptions/Comments:



	Bid Item Description	Construction Cost	Plan Review Fee	Total
1.	SANITARY SEWER - INTERIOR	\$84,593.77	1.00%	\$845.94
2.	SANITARY SEWER - OUTFALL	\$0.00	1.00%	\$0.00
3.	STORM SEWER	\$188,117.58	1.00%	\$1,881.18
4.	PAVING MINOR	\$383,621.79	1.00%	\$3,836.22
5.			1.00%	\$0.00
6.			1.00%	\$0.00
7.	SIDEWALKS	\$12,686.88	1.00%	\$126.87
8.			1.00%	\$0.00
9.	WATER INTERIOR	\$104,765.00	1.00%	\$1,047.65

Estimated Construction Costs: \$7,737.85

Estimated Soft Costs

5.00% Fiscal: \$386.89
 7.00% Interest: \$568.73
 12 Duration (Months)

Total Estimated Soft Costs: 12% \$955.62

Total Estimated Costs: \$8,693.47