

2019-03604

02/26/2019 2:09:37 PM


COUNTY CLERK/REGISTER OF DEEDS

COUNTER ah C.E. ah
VERIFY ah D.E. ah
PROOF BY
FEES \$ 532.00
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REFUND _____ CREDIT _____
SHORT _____ NOR _____



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**THIRD AMENDMENT
TO
SUBDIVISION AGREEMENT**

This Third Amendment to the Ashbury Farm Subdivision Agreement (the "Third Amendment"), which is made this 19th day of February, 2019 by and between **SANITARY AND IMPROVEMENT DISTRICT NO. 293 OF SARPY COUNTY, NEBRASKA** (hereinafter referred to as "DISTRICT"), **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: (1) the First Amendment to the Subdivision Agreement ("First Amendment") adopted by Resolution #R14-0057, entered into by the Parties on May 6, 2014, and (2) the Second Amendment to the Subdivision Agreement ("Second Amendment") adopted by Resolution #R15-0172, entered into by the Parties on October 20, 2015 (hereinafter collectively referred to as the "Agreement").

RECITALS

WHEREAS, DEVELOPER, DISTRICT, and CITY entered into the original Subdivision Agreement ("Subdivision Agreement") dated July 16, 2013 with respect to Lots 1 through 121 and Outlots A through F, known as Ashbury Farm; and

WHEREAS, the Public Improvements for Ashbury Farm are contemplated to be constructed in phases with the first phase serving Lots 15 – 39, 57 – 59, 68, and 74 – 110 ("Phase 1"), the second phase serving Lots 1 – 14, 40 – 56, 60 – 67, and 69 – 73 ("Phase 2") and the third phase serving Lots 111 – 121 ("Phase 3"); and

WHEREAS, the Parties wish to agree upon a modification to the system of sewers within the Development Area; and

WHEREAS, the Subdivision Agreement contemplated that DEVELOPER wished to connect the system of sewers to be constructed by DISTRICT within the Development Area with the sewer system of CITY; and

WHEREAS, DISTRICT constructed a system of sewers within the Development Area to serve Lots 15 – 39, 57 – 59, 68, and 74 – 121 (the "Western Springs Outfall Lots") that connects to the sewer system of CITY as depicted in Exhibit L, attached hereto; and

WHEREAS, DEVELOPER wishes to connect the system of sewers to be constructed by DISTRICT within the Development Area to serve Lots 1 –14, 40 – 56, 60 – 67, and 69 – 73 with the sewer system of Sarpy County (the “North Shore Commercial Outfall Lots”) as depicted in Exhibit L; and

WHEREAS, the Parties hereto desire to modify the Subdivision Agreement to establish the terms and conditions for construction of the system of sewers to service the North Shore Commercial Outfall Lots and to comply with the Second Amendment to the Interlocal Cooperation Agreement for the Baseball Stadium Outfall adopted by CITY by Resolution #R17-0080; and

WHEREAS, the Parties hereto desire to modify the Source and Use of Funds to include updated cost estimates for the Public Improvements related to Phase 2 including, but not limited to, cost changes associated with the modification of the design of the system of sewers.

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

1. Incorporation of Recitals. The recitals set forth in: (i) the Subdivision Agreement, (ii) the First Amendment, (iii) the Second Amendment, and (iv) this Third Amendment are, by this reference, hereby incorporated into and deemed part of the Agreement as modified and amended by this Third Amendment.
2. Capitalized Terms. All capitalized terms used in this Third Amendment shall have the meanings set forth in the Agreement except as otherwise defined herein.
3. Area of Application. This Third Amendment applies to Lots 1 through 121 and Outlots A through F, inclusive, Ashbury Farm.
4. Amendments. The Agreement terms are hereby amended as follows:
 - A. Amendment #1. Section IV, Paragraph 1, as previously amended by the Second Amendment, is hereby rescinded 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-3” 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-3”, 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-3”. 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 \$4,746,555.85 (the amount shown as the total general obligation Exhibit “G-3”), 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.

- B. Amendment #2. Section VII is hereby rescinded in its entirety and the following is hereby substituted in its place:

**Section VII
Covenants by City**

City acknowledges, covenants, and agrees that:

- A. DISTRICT has connected its system of sewers serving the Western Springs Outfall Lots to the sanitary sewer of CITY pursuant to the terms and conditions of the sewer and water connection agreement adopted by Resolution #R13-0110, entered into by CITY and DISTRICT on July 16, 2013.
 - B. DISTRICT may connect its system of sewers serving the North Shore Commercial Outfall Lots to the sanitary sewer system of Sarpy County contingent upon and pursuant to the terms and conditions of a sewer connection agreement between DISTRICT and Sarpy County.
 - C. DISTRICT may connect its water system to the water system of CITY contingent upon and pursuant to the terms and conditions of the sewer and water connection agreement adopted by Resolution #R13-0110, entered into by CITY and DISTRICT on July 16, 2013.
- C. Amendment #4. Section IX shall be amended to add Subsection X:
- X. Bids for Public Improvements. Upon the effective date of the Third Amendment, DISTRICT shall not solicit bids for Public Improvements until after the plans therefor have been approved by the City Engineer. The Parties acknowledge that the City Engineer reserves the right to consult with Sarpy County regarding sanitary sewer and storm sewer improvements within the North Shore Commercial Outfall Service Area prior to City Engineer's approval of the plans for the corresponding Public Improvement. No construction shall begin and no contract shall be let until such time as CITY approves the corresponding bid for the applicable Public Improvement.
- D. Amendment #4. Section IX shall be amended to add Subsection Y:
- Y. Sewer for North Shore Commercial Lots. Before DISTRICT or DEVELOPER may commence any work on the system of sewers serving the North Shore Commercial Lots, the following requirements must be satisfied by DISTRICT or DEVELOPER, as applicable:
 - 1. DISTRICT shall enter into an Agreement for Sewer Connection and Wastewater Service with Sarpy County for the North Shore Commercial Outfall Lots;
 - 2. DISTRICT or DEVELOPER, as applicable, shall deliver to the Papillion City Clerk duly executed copies of an Agreement for Sewer Connection and Wastewater Service between DISTRICT and Sarpy County for the North Shore Commercial Outfall Lots;

3. DISTRICT or DEVELOPER, as applicable, shall make payment for all applicable fees due to CITY or Sarpy County, in relation to the construction and installation of said Public Improvement or Privately Financed Improvement, as applicable;
4. DISTRICT or DEVELOPER, as applicable, shall obtain written approval from Sarpy County and CITY, as applicable, for the specifications and technical terms of any agreement(s) or plan(s) for, or relating to, the construction or installation of said individual Public Improvement or Privately Financed Private Improvement, as applicable, prior to DISTRICT's or DEVELOPER's, as applicable, execution of any such agreement(s) or plan(s). Once written approval is obtained from Sarpy County and CITY, as applicable, DISTRICT or DEVELOPER, as applicable shall deliver to the Papillion City Clerk duly executed copies of any agreement(s) or plan(s) for work required for, or otherwise entered into in connection with, said individual Public Improvement or Privately Financed Private Improvement. Such agreement(s) or plan(s) shall include, but not be limited to, any required bonds, insurance certifications, and all plans for said individual Public Improvement or Privately Financed Private Improvement;
5. DISTRICT or DEVELOPER, as applicable, shall obtain and file of record any permanent easements required by CITY or Sarpy County, as applicable, for said Public Improvement or Privately Financed Private Improvement;
6. DISTRICT or DEVELOPER, as applicable, shall obtain and file of record any permanent easements to allow Sarpy County to access and maintain all sanitary sewer outfalls serving the North Shore Commercial Outfall Lots, as determined by Sarpy County;
7. DEVELOPER shall Obtain, and show proof of, general liability insurance and payment and performance bonds equivalent to the total construction cost for said individual Privately Financed Public Improvement to the City Clerk and the City Engineer;
8. DISTRICT or DEVELOPER, as applicable, shall obtain final approval from CITY to commence the construction and installation of said individual Public Improvement or Privately Financed Private Improvement; and
9. DISTRICT or DEVELOPER, as applicable, shall obtain final approval from Sarpy County to commence the construction and installation of said Public Improvement or Privately Financed Private Improvement.

E. Amendment #5. Section IX shall be amended to add Subsection Z:

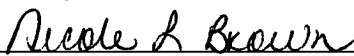
Z. Engineer's Certificate of Completion Required. DISTRICT or DEVELOPER, as applicable, shall provide an Engineer's Certificate of Completion to Sarpy

County for filing which contains a statement that all sewer connections from the North Shore Commercial Outfall Lots to the North Shore Commercial Outfall Sewer have been constructed in accordance with the plans and specifications approved in writing by Sarpy County.

5. Exhibit Modifications. The Agreement exhibits referenced herein or attached hereto, which are hereby incorporated into the Agreement by this reference, are hereby rescinded, modified, or added as follows:
 - A. Exhibit "D", and all references thereto, are hereby rescinded in their entirety and the attached Exhibit "D-1" is hereby substituted in their place.
 - B. Exhibit "G-2", and all references thereto, are hereby rescinded in their entirety and the attached Exhibit "G-3" is hereby substituted in their place.
 - C. Exhibit "L" is hereby added to the Agreement.
6. No Other Amendment. Except as specifically set forth herein, the Agreement shall remain in full force and effect.
7. Binding Effect. This Third Amendment shall be binding upon the Parties hereto, their respective successors and assigns in the same manner and to the same extent as the Agreement.

ATTEST:

THE CITY OF PAPIILLION, NEBRASKA



Nicole L. Brown, City Clerk



David P. Black, Mayor

SEAL:



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

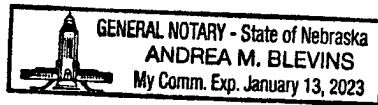
By *Gerald L. Torczon*
Gerald L. Torczon, Chairman

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.

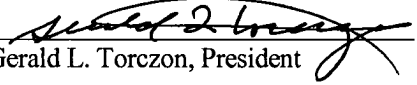
Witness my hand and Notarial Seal this 5th day of February, 2019.

Andrea M. Blevins
Notary Public



DEVELOPER:

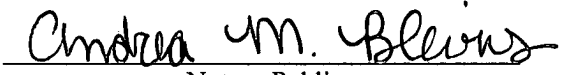
B.H.I. DEVELOPMENT, INC.,
a Nebraska corporation

By 
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 5th day of February, 2019.


Notary Public



**SUBDIVISION AGREEMENT AMENDMENT
TABLE OF CONTENTS**

INTRODUCTION STATEMENT

RECITALS

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	2	Capitalized Terms
	3	Area of Application
	4	Amendments
	5	Exhibit Modifications
	6	No Other Amendment
	7	Binding Effect

EXHIBITS:

D-1	Sanitary and Water
G-3	Source and Use
L	Outfall Service Areas

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

ASHBURY FARM, NEBRASKA
 LAMP RYNEARSON & ASSOCIATES
 4770 West Dodge Road, Suite 100, Omaha, NE 68137
 Phone: 402.496.2307 Fax: 402.496.2308
 www.lamp-rynearson.com

SANITARY AND WATER EXHIBIT

DATE: 11/11/10
 DRAWN BY: J. RYNEARSON
 CHECKED BY: J. RYNEARSON
 PROJECT: 293

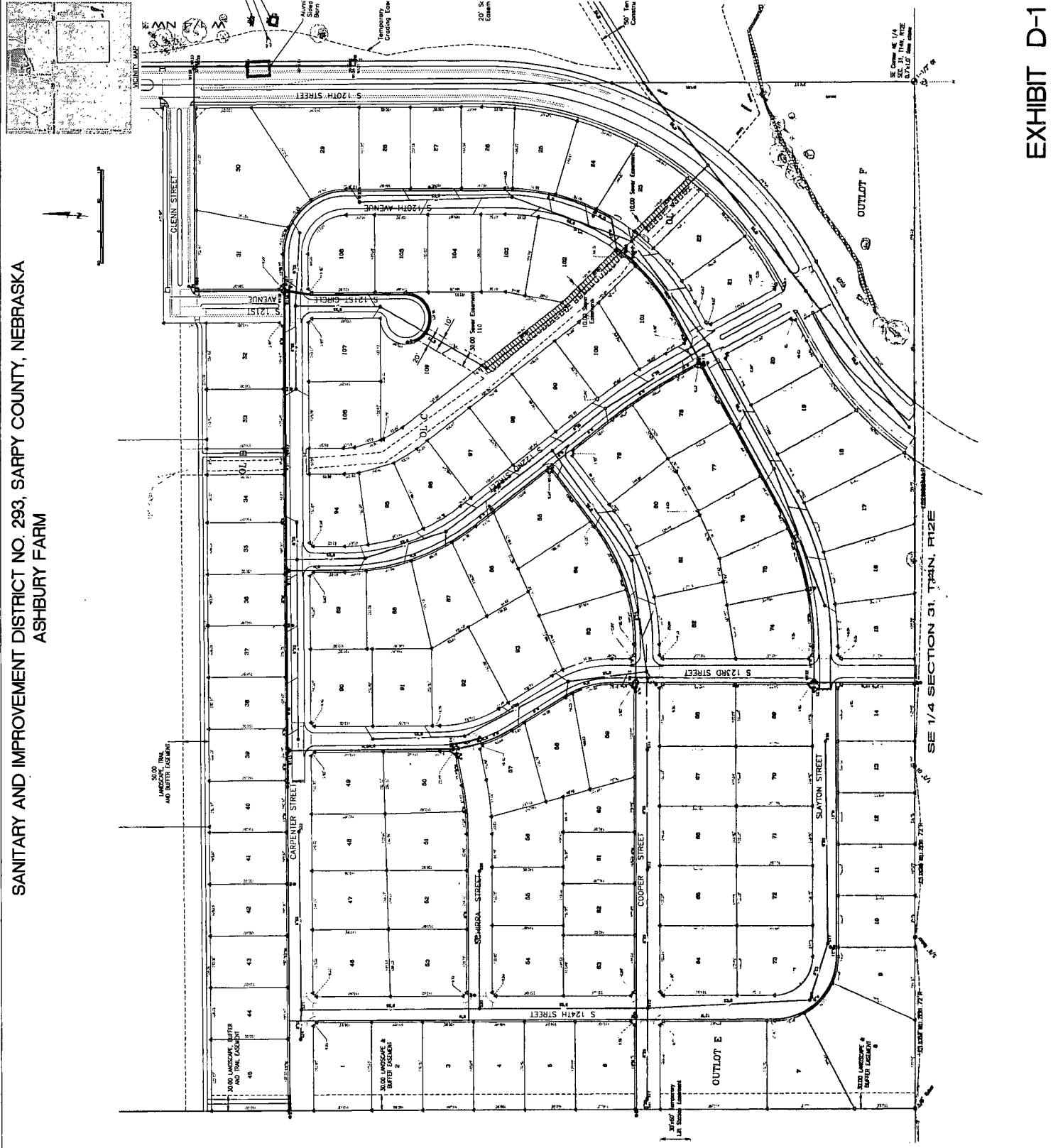


EXHIBIT D-1

EXHIBIT G-3

S.I.D. Cost Estimate

Ashbury Farm Combined SUF

Phases 1, 2 & 3

112043.11,.22,.33

SID No. 293

10/8/2018

Ashbury Farm, Sarpy County SID 293

ORDER OF MAGNITUDE COST ESTIMATE

Final Plat Exhibit G-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	9706	LF	\$655,739.98	\$837,919.44	\$9,300.00	\$828,619.44	\$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	12593	LF	\$725,559.82	\$1,054,897.68	\$994,482.67	\$14,388.87	\$0.00	\$0.00	\$46,026.14	\$0.00
PAVING										
Minor	34555	SY	\$1,345,923.20	\$1,766,983.41	\$412,200.00	\$900,260.21	\$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	44601	SF	\$357,738.93	\$473,377.00	\$401,846.23	\$0.00	\$71,530.77	\$0.00	\$0.00	\$0.00
LANDSCAPING	1	LS	\$59,835.00	\$86,364.18	\$86,364.18	\$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	15796	LF	\$929,727.05	\$1,312,571.85	\$435,851.87	\$876,719.98	\$0.00	\$0.00	\$0.00	\$0.00
Capital Facilities Charge	110	Lots	\$492,042.98	\$581,234.10	\$227,287.05	\$241,532.72	\$0.00	\$0.00	\$0.00	\$112,434.33
City Infrastructure Contrib	1	LS	\$791,423.94	\$877,281.57	\$877,281.57	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
POWER										
Service	110	Lots	\$119,360.00	\$188,592.67	\$0.00	\$168,592.67	\$0.00	\$0.00	\$0.00	\$0.00
Commercial Service	46	AC	\$165,500.00	\$226,800.00	\$0.00	\$226,800.00	\$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	%	\$22,900.00	\$25,600.00	\$10,100.00	\$15,500.00	\$0.00	\$0.00	\$0.00	\$0.00
Total			\$7,454,127.53	\$9,991,930.60	\$4,746,555.85	\$3,455,989.45	\$380,195.53	\$563,292.19	\$258,940.04	\$566,987.53

Residential Valuation	110	Lots	\$55,000,000.00	Debt Ratio (95% Valuation) 4.74%
Commercial Valuation	44.52	AC	\$50,355,360.00	
Total Valuation	100%		\$105,355,360.00	
Total Valuation	95%		\$100,087,552.00	

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="110"/>	Units =	\$85,000.00 =	\$9,350,000.00
Residential Improvements	<input type="text" value="110"/>	Units =	\$415,000.00 =	\$45,650,000.00
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 =				\$105,355,360.00
Total 95% Valuation =				\$100,087,592.00
DEBT RATIO =				<input type="text" value="4.74%"/>

S.I.D. Cost Estimate

Ashbury Farm - Phase I

112043.11

SID No. 293

8/26/2015

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	40731	SF	\$289,538.93	\$376,477.00	\$304,946.23	\$0.00	\$71,530.77	\$0.00	\$0.00	\$0.00
LANDSCAPING	1	LS	\$59,835.00	\$86,364.18	\$86,364.18	\$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 Change	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	\$791,423.94	\$877,281.57	\$877,281.57	\$0.00	\$0.00	\$0.00	\$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	\$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
Total			\$4,749,127.53	\$6,238,730.60	\$3,243,055.85	\$1,205,289.45	\$380,195.53	\$583,292.19	\$258,940.04	\$566,957.53

First Amendment to Subdivision Agreement
 \$3,344,800.00
 \$1,494,000.00
 \$568,000.00
 \$275,200.00
 \$477,600.00

Residential Valuation (Land Value) \$5,270,000
 Residential Valuation (Improvements) \$25,730,000
 Commercial Valuation \$0
 Total Valuation \$31,000,000
 100%
 95%
 Debt Ratio 11.01%

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="11.01%"/>

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

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	1,812.00	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

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:				<u>\$2,485.42</u>
Total Soft Costs:				<u>\$3,977.77</u>
Total Costs:				\$24,142.15

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
	PER CHANGE ORDER NO. 1				
16 .	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	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

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**

Soft Costs

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	\$15,488.36
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)	18.98	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	\$4,108.56
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	\$2,827.78	\$5,655.52
24. CONSTRUCT TEMPORARY 15" HDPE INLET DIVERSION	1.00	EA	\$618.59	\$618.59
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:	\$40,828.84

Total Soft Costs: \$144,737.86

Total Costs: \$413,897.68

STORM SEWER G.O.

Assumptions/Comments:

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

	Bid Item Description	Approximate		Unit Price	Total
		Quantity	Unit		
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

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	\$48.85	\$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 SWEER 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	\$1,580.00	\$1,580.00
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%	33.6%	0.0%
Tasks 050/350	Paving Section 1 - 120th Street Construction Cost	\$614,455.07	57.5%	45.4%	68.4%
Tasks 055/355	Paving Section 1 - Highway 370 Construction Cost	\$283,531.35	0.0%	21.0%	31.6%
	Total Paving Construction Costs:	\$1,352,509.62	100.0%	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	\$374,445.76
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	\$8.68	\$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	\$41,689.02
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

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	6,900	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. PER CHANGE ORDER NO. 3	50	EA	\$15.00	\$750.00
24.	ADDITIONAL FLYASH STABILIZATION	1,046.00	SY	\$14.60	\$15,271.60
25.	DRIVEWAY MANHOLE ADJUSTMENT	1	LS	\$1,066.58	\$1,066.58
26.	DRIVEWAY GRADING PER CHANGE ORDER NO. 6	1	LS	\$1,290.00	\$1,290.00
27.	8" WHITE, PERMANENT PAVEMENT MARKING PAINT	400	LF	\$0.88	\$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:	\$6,810.94
Review Fee:	\$6,933.26
Legal:	\$30,722.76
Fiscal:	\$39,678.90
Interest:	\$54,022.83

Total Estimated Soft Costs: \$262,128.19

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	\$18,225.00	\$18,225.00
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	\$628.37
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	\$98,381.68
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	\$398.00	\$398.00
27 .	PAINT MEDIAN NOSE	1	EA	\$398.00	\$398.00
28 .	SEEDING, TYPE "A"	0.00	AC	\$2,840.00	\$0.00
29 .	SEEDING, TYPE "B"	0.00	AC	\$2,840.00	\$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	\$17,638.70
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	8	EA	\$368.50	\$2,948.00
51 .	OPTICOM SYSTEM	1	EA	\$9,333.50	\$9,333.50
52 .	BARRICADE, TYPE II	3,200	BDA	\$0.61	\$1,952.00
53 .	BARRICADE, TYPE III	450	BDA	\$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	\$2.28	\$385.32
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:	\$14,176.57
Fiscal:	\$19,405.61
Interest:	\$26,812.84

Total Estimated Soft Costs: \$145,862.59

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%
Tasks 050/350	Paving Section 1 - 120th Street Construction Cost - GO Allowable	\$330,965.06	53.9%
Tasks 055/355	Paving Section 1 - Highway 370 Construction Cost - GO Allowable	\$283,531.35	100.0%
	Total Construction Costs - GO Allowable	\$614,496.41	46.4%
Tasks 050/350	Paving Section 1 - 120th Street - GO Engineering	\$65,826.52	100.0%
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	\$6.68	\$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,	
Construction Admin,	\$0.00
Legal:	\$0.00
Fiscal:	\$0.00
Interest:	\$0.00

Total Soft Costs: \$0.00

Total Costs: \$0.00

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	0	LF	\$20.81	\$0.00
8 .	(1 SAN)	0	EA	\$204.54	\$0.00
9 .	CONSTRUCT EXTERNAL FRAME SEAL	0	EA	\$451.79	\$0.00
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	0	LF	\$0.97	\$0.00
17 .	SEEDING - TYPE "TEMPORARY SEED MIX"	0.00	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. PER CHANGE ORDER NO. 3	50	EA	\$15.00	\$750.00
24 .	ADDITIONAL FLYASH STABILIZATION	1,046	SY	\$14.60	\$15,271.60
25 .	DRIVEWAY MANHOLE ADJUSTMENT	1	LS	\$1,066.58	\$1,066.58
26 .	DRIVEWAY GRADING PER CHANGE ORDER NO. 6	1	LS	\$1,290.00	\$1,290.00
28 .	8" WHITE, PERMANENT PAVEMENT MARKING PAINT	400	SY	\$0.88	\$344.00
29 .	12" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4 GROOVED LESS FAILED TESTS	943	SY	\$12.65	\$11,928.95 -\$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	\$876,581.28
-Future SID Reimbursable	-\$265,745.37
-Sarpy County Reimbursable	-\$212,913.89
SID 283 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
	SEEDING - TYPE "TEMPORARY SEED MIX"	0	AC	\$550.00	\$0.00
	CONSTRUCT 6" THICK TRAIL	0	SF	\$2.77	\$0.00
17 .	CONSTRUCT 4" SIDEWALK	0	SF	\$5.11	\$0.00
18 .	CONSTRUCT HANDICAP RAMP	0	SF	\$9.77	\$0.00
19 .	PER CHANGE ORDER NO. 1				
20	FLYASH STABILIZATION	4,653	SY	\$14.60	\$67,933.80
21	PER CHANGE ORDER NO. 2				
22	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				
25	ADDITIONAL FLYASH STABILIZATION	1,046	SY	\$14.60	\$15,271.80
26	DRIVEWAY MANHOLE ADJUSTMENT	0	LS	\$1,066.58	\$0.00
27	DRIVEWAY GRADING	0	LS	\$1,290.00	\$0.00
28	PER CHANGE ORDER NO. 6				
29	8" WHITE, PERMANENT PAVEMENT MARKING PAINT	400	LF	\$0.88	\$344.00
30	12" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4 GROOVED	943	LF	\$12.65	\$11,928.95
	LESS FAILED TESTS				-\$210.00

Construction Costs: \$521,803.53
 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 \$269,745.37

Estimated 1/3 Contribution - Ashbury Farm SID \$269,745.37

PAVING SECTION 1 - HIGHWAY 370 G.O.

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
	4" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED	0	LF	\$3.89	\$0.00
22.	5" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED	485	LF	\$4.46	\$2,163.10
	8" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED	0	LF	\$7.79	\$0.00
23.	12" WHITE, PERMANENT PAVEMENT MARKING PAINT	170	LF	\$1.05	\$178.50
24.	LEFT ARROW, PREFORMED PAVEMENT MARKING, TYPE 4, GROOVED	1	EA	\$396.00	\$396.00
25.	PAINT MEDIAN NOSE	1	EA	\$396.00	\$396.00
26.	SEEDING, TYPE "A"	0.00	AC	\$2,640.00	\$0.00
27.	SEEDING, TYPE "B"	0.00	AC	\$2,640.00	\$0.00
28.	CONSTRUCT SILT FENCE	0	LF	\$2.48	\$0.00
29.	TURF REINFORCEMENT MAT - CLASS 1D	0	SY	\$1.54	\$0.00
30.	TURF REINFORCEMENT MAT - CLASS 2A	0	SY	\$5.72	\$0.00
31.	EROSION CHECKS, WATTLE	0	LF	\$2.20	\$0.00
32.	INLET PROTECTION	0	EA	\$229.90	\$0.00
33.	STABILIZE TRENCH WITH CRUSHED LIMESTONE	0	TN	\$35.95	\$0.00
34.	18" REINFORCED CONCRETE SEWER PIPE	253	LF	\$31.12	\$7,873.36
35.	24" REINFORCED CONCRETE SEWER PIPE	173	LF	\$43.18	\$7,470.14
36.	24" FLARED-END SECTION	1	EA	\$994.54	\$994.54
37.	AREA INLET	1	EA	\$4,431.68	\$4,431.68
38.	CURB INLET 443-R8	2	EA	\$2,977.70	\$5,955.40
39.	MOUNTABLE CURB INLET	3	EA	\$5,878.90	\$17,636.70
40.	ADJUST MANHOLE TO GRADE	4	EA	\$266.35	\$1,065.40
41.	ADJUST VALVE TO GRADE	4	EA	\$102.27	\$409.08
42.	2/C #14 AWG DETECTOR LEAD-IN CABLE	215	LF	\$1.38	\$296.70
43.	PULL BOX PB-1	3	EA	\$1,144.00	\$3,432.00
44.	PULL BOX PB-1A	1	EA	\$1,072.50	\$1,072.50
45.	2" CONDUIT PVC - TRENCHED	675	LF	\$7.70	\$5,197.50
46.	3" CONDUIT PVC - TRENCHED	175	LF	\$25.03	\$4,380.25
47.	VEHICLE DETECTOR, TYPE A PREFORMED	8	EA	\$313.50	\$2,508.00
48.	VEHICLE DETECTOR, TYPE B PREFORMED	6	EA	\$368.50	\$2,211.00
49.	OPTICOM SYSTEM	1	EA	\$9,333.50	\$9,333.50
50.	BARRICADE, TYPE II	3,200	BDAY	\$0.61	\$1,952.00
51.	BARRICADE, TYPE III	450	BDAY	\$2.42	\$1,089.00
52.	TEMPORARY SIGN DAY	675	EA	\$0.88	\$594.00
53.	TEMPORARY TRAFFIC SIGNAL	1	EA	\$12,573.00	\$12,573.00
54.	PER CHANGE ORDER NO. 4 REMOVE AND RELOCATE LIGHT POLE AND BASE	1	LS	\$3,803.80	\$3,803.80
55.	PER CHANGE ORDER NO. 5 ARROW BOARD	56	DAYS	\$45.32	\$2,537.92
56.	PER CHANGE ORDER NO. 6 PAINT REMOVAL	169	LF	\$2.26	\$381.94
57.	HIGHWAY CLOSURE	1	LS	\$870.00	\$870.00

Construction Costs: \$283,531.35

Soft Costs

Engineering Design & Testing: \$78,294.92
 Review Fee: \$3,973.39
 Legal: \$3,199.25
 Fiscal: \$14,176.57
 Interest: \$19,405.61
 \$26,612.84

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

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 Quantity	Unit	Unit Price	Total
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:		\$18,478.91
	7.00%	Interest:		\$13,582.74
	6	Duration (Months)		
Total Estimated Soft Costs:			11%	\$39,309.67
Total Estimated Costs:				\$401,660.88

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	40,731	SF	\$3.19	\$129,931.89
2	4" CONCRETE SIDEWALK (DEDUCT PER CHANGE ORDER NO. 1)	0	SF	\$3.05	\$0.00
3	CONSTRUCT MEDIAN SURFACING	2,148	SF	\$6.30	\$13,532.40
4	CONSTRUCT HANDICAP RAMP	938	SF	\$18.00	\$16,884.00
5	CONSTRUCT DETECTABLE WARNING PANEL	64	EA	\$90.00	\$5,760.00
6	ADJUST MANHOLE TO GRADE	0	EA	\$220.00	\$0.00
7	ADJUST VALVE TO GRADE	3	EA	\$240.00	\$720.00
8	ADJUST ELECTRICAL BOX TO GRADE	0	EA	\$960.00	\$0.00
9	COMMON EARTH EXCAVATION	2,410	CY	\$6.00	\$14,460.00
10	SUBGRADE PREPARATION	5,785	SY	\$1.45	\$8,388.25
11	GENERAL GRADING AND SHAPING	1	LS	\$9,352.00	\$9,352.00
12	ROLLED EROSION CONTROL, TYPE II	9,025	SY	\$1.25	\$11,281.25
13	SEEDING - TYPE "IRRIGATED LAWN AND TURF SEED	2	AC	\$2,065.00	\$3,840.90
14	SEEDING - TYPE "DRAINAGEWAYS"	0.14	AC	\$1,250.00	\$175.00
15	STREET SIGN WITH DECORATIVE SWING-PROOF BRACKET	25	EA	\$287.00	\$6,675.00
16	2" SQUARE BLACK METAL POSTS WITH DECORATIVE TOP CAP	36	EA	\$299.00	\$10,764.00
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"	14	EA	\$150.00	\$2,100.00
29	24" PREFORMED PAVEMENT MARKING TAPE PAVEMENT MARKING - WHITE, TYPE 3	338	LF	\$23.50	\$7,943.00
30	5" CONCRETE SIDEWALK (ADD PER CHANGE ORDER NO. 1)	9,115	SF	\$3.40	\$30,991.00
31	DUMP TRUCK (ADD PER CHANGE ORDER NO. 2)	85	HRS	\$90.00	\$7,650.00
32	REMOVE AND REPLACE CURB AND GUTTER (ADD PER CHANGE ORDER NO. 3)	14	LF	\$34.50	\$483.00
33	REMOVE AND REPLACE ADA RAMP (ADD PER CHANGE ORDER NO. 3)	1	LS	\$1,451.24	\$1,451.24

Estimated Construction Costs: \$289,538.93

Estimated Soft Costs

Engineering Design,	
Construction Admin,	\$36,944.69
Testing:	\$953.00
Review Fee:	\$2,911.57
Legal:	\$14,476.95
Fiscal:	\$17,241.27
Interest:	\$14,410.59
Duration (Months)	

Total Estimated Soft Costs: \$86,938.07

Total Estimated Costs: \$376,477.00

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	40,731	SF	\$3.19	\$129,931.89
2 . 4" CONCRETE SIDEWALK (DEDUCT PER CHANGE ORDER NO. 1)	0	SF	\$3.05	\$0.00
3 . CONSTRUCT MEDIAN SURFACING	2,148	SF	\$6.30	\$13,532.40
4 CONSTRUCT HANDICAP RAMP	938	SF	\$18.00	\$16,884.00
5 CONSTRUCT DETECTABLE WARNING PANEL	64	EA	\$90.00	\$5,760.00
6 ADJUST MANHOLE TO GRADE	0	EA	\$220.00	\$0.00
7 ADJUST VALVE TO GRADE	3	EA	\$240.00	\$720.00
8 ADJUST ELECTRICAL BOX TO GRADE	0	EA	\$960.00	\$0.00
9 COMMON EARTH EXCAVATION	2,410	CY	\$8.00	\$14,480.00
10 SUBGRADE PREPARATION	5,785	SY	\$1.45	\$8,388.25
11 GENERAL GRADING AND SHAPING	1	LS	\$9,352.00	\$9,352.00
12 ROLLED EROSION CONTROL, TYPE II	9,025	SY	\$1.25	\$11,281.25
13 SEEDING - TYPE "IRRIGATED LAWN AND TURF SEED	2	AC	\$2,065.00	\$3,840.90
14 SEEDING - TYPE "DRAINAGEWAYS"	0	AC	\$1,250.00	\$175.00
15 STREET SIGN WITH DECORATIVE SWING-PROOF BRACKET	25	EA	\$267.00	\$6,675.00
16 2" SQUARE BLACK METAL POSTS WITH DECORATIVE TOP CAP	36	EA	\$299.00	\$10,764.00
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"	14	EA	\$150.00	\$2,100.00
29 24" PREFORMED PAVEMENT MARKING TAPE PAVEMENT MARKING - WHITE, TYPE 3	338	LF	\$23.50	\$7,943.00
30 5" CONCRETE SIDEWALK (ADD PER CHANGE ORDER NO. 1)	9,115	SF	\$3.40	\$30,991.00
31 DUMP TRUCK (ADD PER CHANGE ORDER NO. 2)	85	HRS	\$90.00	\$7,650.00
32 REMOVE AND REPLACE CURB AND GUTTER (ADD PER CHANGE ORDER NO. 3)	14	LF	\$34.50	\$483.00
33 REMOVE AND REPLACE ADA RAMP (ADD PER CHANGE ORDER NO. 3)	1	LS	\$1,451.24	\$1,451.24

Estimated Construction Costs: \$289,538.93

Estimated Soft Costs

Engineering Design, Construction Admin, Geotechnical & Testing \$36,944.69

Testing: \$953.00

Review Fee: \$2,911.57

Legal: \$14,478.95

Fiscal: \$17,241.27

Interest: \$14,410.59

Duration (Months)

Total Estimated Soft Costs: \$88,938.07

Total Estimated Costs: \$378,477.00

Estimated Contribution - Future East SID to Trail (See Below) \$71,530.77

Estimated Contribution - Ashbury Farm SID \$304,946.23

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	\$3.19	\$92,510.00
2. CONSTRUCT 4" SIDEWALK *DEDUCT PER CHANGE ORDER NO. 1)	0	SF	\$3.05	\$0.00
3. CONSTRUCT HANDI-CAP RAMP	475	SF	\$18.00	\$8,550.00
4. CONSTRUCT 5" SIDEWALK (ADD PER CHANGE ORDER NO. 1)	0	SF	\$3.40	\$0.00

Estimated Construction Costs: \$101,060.00

Estimated Soft Costs

Engineering Design, Construction
 Admin, Geotechnical & Testing \$21,222.60
 Legal: \$5,053.00
 Fiscal: \$6,366.78
 Interest: \$9,359.17
 Duration (Months)

Total Estimated Soft Costs: \$42,001.55

Total Estimated Costs: \$143,061.55

Estimated 1/2 Contribution - Future East SID \$71,530.77

Estimated 1/2 Contribution - Ashbury Farm SID \$71,530.77

LANDSCAPING

Assumptions/Comments:



Boulevard Landscaping in 120th Street

	Bid Item Description	Approximate		Unit Price	Total
		Quantity	Unit		
1.	CONSTRUCT IRRIGATION SYSTEM	99,750	SF	\$0.46	\$45,885.00
2.	CONSTRUCT METER PIT	1	LS	\$10,950.00	\$10,950.00
3.	REMOBILIZATION	1	LS	\$3,000.00	\$3,000.00

Estimated Construction Costs: \$59,835.00

Estimated Soft Costs

Engineering Design, Construction
Admin, Geotechnical & Testing \$13,825.56

Review Fee: \$568.35

Legal: \$2,991.75

Fiscal: \$3,861.05

Interest: \$5,282.47

Duration (Months)

Total Estimated Soft Costs: 44% \$26,529.18

Total Estimated Costs: **\$86,364.18**

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 approximaltey .41 acre and wetlands is 0.08 ac and will be donated.

	Bid Item Description	Approximate		Unit Price	Total
		Quantity	Unit		
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

Legal: \$613.20

Fiscal: \$1,609.65

Interest: \$2,366.19

Duration (Months)

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

Total Estimated Costs: **\$36,168.84**

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
3 .	REMOBILIZATION	1	LS	\$3,000.00	\$3,000.00

Estimated Construction Costs: \$59,835.00

Estimated Soft Costs

Engineering Design, Construction
Admin, Geotechnical & Testing \$13,825.56

Review Fee: \$568.35
Legal: \$2,991.75
Fiscal: \$3,881.05
Interest: \$5,282.47
Duration (Months)

Total Estimated Soft Costs: \$26,529.18

Total Estimated Costs: \$86,364.18

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 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: \$919.80
Legal: \$813.20
Fiscal: \$1,609.65
Interest: \$2,366.19
Duration (Months)

Total Estimated Soft Costs: \$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
5 .	CONSTRUCT END OF MAIN HYDRANT, GATE VALVE AND TEE ASSEMBLY AND 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
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
30 .	PER CHANGE ORDER NO. 1 CONSTRUCT 12"x12"x12" M.J. TEE ASSEMBLY AND BACKING BLOCK	1	EA	\$440.00	\$440.00
31 .	PER CHANGE ORDER NO. 2 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	\$78,108.89
Testing:	\$0.00
Review Fee:	\$4,196.16
Legal:	\$20,148.37
Fiscal:	\$25,765.31
Interest:	\$39,630.27

Total Soft Costs: \$167,844.80

Total Costs: \$570,771.85

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% . Final invoice recommendation 8/1/17

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1 .	Contribution to City Infrastructure-Invoice 1	1.0	LS	\$417,892.90	\$417,892.90
2 .	Contribution to City Infrastructure-Invoice 2 (FINAL)	1.0	LS	\$373,531.04	\$373,531.04
Estimated Construction Costs:					\$791,423.94
Estimated Soft Costs					
Legal:					\$15,828.48
Fiscal:					\$40,362.82
Interest:					\$29,666.53
Duration (Months)					
Total Estimated Soft Costs:					11% \$85,857.63
Total Estimated Costs:					\$877,281.57

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
	CONSTRUCT 12" x 90 DEGREE HORIZONTAL BEND WITH BACKING				
16A.	BLOCK	1	EA	\$215.00	\$215.00
	CONSTRUCT 12" x 45 DEGREE HORIZONTAL BEND WITH BACKING				
17.	BLOCK	2	EA	\$77.00	\$154.00
	CONSTRUCT 12" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING				
18.	BLOCK	0	EA	\$117.00	\$0.00
	CONSTRUCT 6" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING				
19.	BLOCK	0	EA	\$55.00	\$0.00
	CONSTRUCT 6" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING				
20.	BLOCK	0	EA	\$185.00	\$0.00
	CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING				
21.	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
	CONSTRUCT 16"x16"x12" LIVE TAP TEE ASSEMBLY, 12" M.J. GATE VALVE				
26.	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	\$280.00	\$41,800.00
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:	\$15,806.69
Testing:	\$0.00
Review Fee:	\$1,252.42
Legal:	\$8,013.08
Fiscal:	\$7,890.14
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		Unit Price	Total
		Quantity	Unit		
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	-\$82,607.65

Construction Costs: \$187,817.35

Estimated Soft Costs

Legal: \$3,756.48
Fiscal: \$10,144.18
Interest: \$23,150.68

Total Soft Costs: \$37,051.32

Total Costs: \$224,868.68

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% . Final invoice recommendation 8/1/17

	Bid Item Description	Approximate		Unit Price	Total
		Quantity	Unit		
1.	Contribution to City Infrastructure-Invoice 1	1.0	LS	\$417,892.90	\$417,892.90
	Contribution to City Infrastructure-Invoice 2 (FINAL)	1.0	LS	\$373,531.04	\$373,531.04

Estimated Construction Costs: \$791,423.94

Estimated Soft Costs

Legal: \$15,828.48
Fiscal: \$40,382.62
Interest: \$29,666.53
Duration (Months)

Total Estimated Soft Costs: 11% \$85,857.63

Total Estimated Costs: \$877,281.57

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:	\$8,891.99

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

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: \$8,779.35
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	
Admin, Geotechnical & Testing	\$7,500.00
Legal:	\$1,500.00
Fiscal:	\$1,950.00
Interest:	\$1,433.25
Duration (Months)	

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

Total Estimated Costs: \$42,383.25

S.I.D. Cost Estimate

Ashbury Farm - Phase 2

112043.22

SID No. 293

10/8/2018

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	3070	LF	\$231,700.00	\$333,200.00	\$0.00	\$333,200.00	\$0.00	\$0.00	\$0.00	\$0.00
STORM SEWER										
	5375	LF	\$171,600.00	\$241,000.00	\$241,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PAVING										
Minor	10150	SY	\$448,600.00	\$629,600.00	\$74,600.00	\$555,000.00	\$0.00	\$0.00	\$0.00	\$0.00
SIDEWALKS										
	1830	SF	\$15,000.00	\$21,100.00	\$21,100.00	\$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	\$30,400.00	\$43,600.00	\$43,600.00	\$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	3755	LF	\$228,100.00	\$322,600.00	\$73,500.00	\$249,100.00	\$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	\$88,800.00	\$0.00	\$88,800.00	\$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				
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	%	\$11,300.00	\$12,600.00	\$3,600.00	\$9,000.00	\$0.00	\$0.00	\$0.00	\$0.00
Total			\$1,234,300.00	\$1,729,900.00	\$494,800.00	\$1,235,100.00	\$0.00	\$0.00	\$0.00	\$0.00

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="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="2.17%"/>

SANITARY SEWER - INTERIOR

Assumptions/Comments:



	Bid Item Description	Approximate		Unit Price	Total
		Quantity	Unit		
1.	CLEARING AND GRUBBING GENERAL	1	LS	\$5,000.00	\$5,000.00
2.	CONSTRUCT 6" SANITARY SEWER PIPE	1270	LF	\$24.00	\$30,480.00
3.	CONSTRUCT 8" SANITARY SEWER PIPE	3070	LF	\$25.00	\$76,750.00
4.	CONSTRUCT 6" PIPE BEDDING	1270	LF	\$5.00	\$6,350.00
5.	CONSTRUCT 8" PIPE BEDDING	3070	LF	\$6.00	\$18,420.00
6.	CONSTRUCT 54" I.D. SANITARY MANHOLE (15 EA)	180	VF	\$400.00	\$72,000.00
7.	REMOVE EXISTING PIPE PLUG AND CONSTRUCT 8" CONNECTION TO EXISTING STUB	1	EA	\$500.00	\$500.00
8.	CONSTRUCT 8" X 6" WYE	34	EA	\$100.00	\$3,400.00
9.	CONSTRUCT 8" PIPE PLUG	1	EA	\$250.00	\$250.00
10.	CONSTRUCT MANHOLE STUBOUT	11	EA	\$100.00	\$1,100.00
11.	STABILIZE TRENCH W/ CRUSHED LIMESTONE	200	TN	\$35.00	\$7,000.00
	CONTINGENCY		5 %		\$10,465.13

Estimated Construction Costs: \$231,715.13

Estimated Soft Costs

Engineering Design and	
21.00% Construction Administration:	\$48,660.18
2.00% Geotechnical and Testing:	\$4,634.30
5.00% Legal:	\$11,585.76
5.00% Fiscal:	\$14,829.77
7.00% Interest:	\$21,799.76
12 Duration (Months)	

Total Estimated Soft Costs: 44% \$101,509.76

Total Estimated Costs: \$333,224.89

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	\$24.00	\$0.00
3	CONSTRUCT 8" SANITARY SEWER PIPE	0	LF	\$25.00	\$0.00
4	CONSTRUCT 6" PIPE BEDDING	0	LF	\$5.00	\$0.00
5	CONSTRUCT 8" PIPE BEDDING	0	LF	\$8.00	\$0.00
6	CONSTRUCT 54" I.D. SANITARY MANHOLE (15 EA)	0	VF	\$400.00	\$0.00
7	REMOVE EXISTING PIPE PLUG AND CONSTRUCT 8" CONNECTION TO EXIST	0	EA	\$500.00	\$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
11	STABILIZE TRENCH W/ CRUSHED LIMESTONE	0	TN	\$35.00	\$0.00
	CONTINGENCY	5	%		\$0.00

Estimated Construction Costs: \$0.00

Estimated Soft Costs

21.00%	Engineering Design and Construction Administration:	\$0.00
2.00%	Geotechnical and Testing:	\$0.00
5.00%	Legal:	\$0.00
5.00%	Fiscal:	\$0.00
7.00%	Interest:	\$0.00
	12 Duration (Months)	

Total Estimated Soft Costs: 0% \$0.00

Total Estimated Costs: \$0.00

STORM SEWER

Assumptions/Comments:

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1 .	CLEARING AND GRUBBING GENERAL	1	LS	\$2,500.00	\$2,500.00
2 .	REMOVE 15" STORM SEWER PIPE	50	LF	\$15.00	\$750.00
3 .	REMOVE CMP RISER AND BASE	1	EA	\$500.00	\$500.00
4 .	CLEANOUT SILT BASIN - BASIN MODIFICATION (ESTABLISHED QUANTITY)	2709	CY	\$6.00	\$16,254.00
5 .	EXCAVATE UNSUITABLE MATERIAL (REMOVE, SPREAD, AND REPLACE)	250	CY	\$6.00	\$1,500.00
6 .	STRIP, STOCKPILE, AND RESPREAD TOPSOIL (ESTABLISHED QUANTITY)	290	CY	\$6.00	\$1,740.00
7 .	EARTHWORK EXCAVATION - BASIN MODIFICATION (ESTABLISHED QUANTITY)	2124	CY	\$8.00	\$16,992.00
8 .	GENERAL GRADING AND SHAPING	1	LS	\$5,000.00	\$5,000.00
9 .	CONSTRUCT 18" R.C.P., CLASS III	995	LF	\$40.00	\$39,800.00
10 .	CONSTRUCT 24" R.C.P., CLASS III	70	LF	\$60.00	\$4,200.00
11 .	CONSTRUCT 30" R.C.P., CLASS III	75	LF	\$70.00	\$5,250.00
12 .	CONSTRUCT 36" R.C.P., D(0.01) = 1,350	145	LF	\$85.00	\$12,325.00
13 .	CONSTRUCT 24" R.C. FLARED END SECTION	1	EA	\$1,000.00	\$1,000.00
14 .	CONSTRUCT 36" R.C. FLARED END SECTION	1	EA	\$1,750.00	\$1,750.00
15 .	CONSTRUCT 54" I.D. FLATTOP MANHOLE (2 EA)	14	VF	\$600.00	\$8,400.00
16 .	CONSTRUCT 72" I.D. FLATTOP MANHOLE (2 EA)	18	VF	\$750.00	\$13,500.00
17 .	CONSTRUCT 18" PIPE BEDDING	995	LF	\$8.00	\$7,960.00
18 .	CONSTRUCT 24" PIPE BEDDING	70	LF	\$9.00	\$630.00
19 .	CONSTRUCT 30" PIPE BEDDING	75	LF	\$12.00	\$900.00
20 .	CONSTRUCT 36" PIPE BEDDING	145	LF	\$15.00	\$2,175.00
21 .	STABILIZE TRENCH W/ CRUSHED LIMESTONE	100	TN	\$35.00	\$3,500.00
22 .	CONSTRUCT POND OUTLET STRUCTURE (BASIN E)	1	EA	\$1,000.00	\$1,000.00
23 .	CONSTRUCT RIP-RAP APRON - (NDOR TYPE "B")	20	TON	\$60.00	\$1,200.00
24 .	CONSTRUCT ANTI-SEEP COLLAR	1	EA	\$1,500.00	\$1,500.00
25 .	CONSTRUCT ROCK ACCESS ROAD	100	TN	\$35.00	\$3,500.00
26 .	CLEANOUT SILT BASIN	500	CY	\$6.00	\$3,000.00
27 .	CONSTRUCT SILT FENCE	500	LF	\$3.00	\$1,500.00
28 .	CLEANOUT SILT FENCE	500	LF	\$1.50	\$750.00
29 .	REMOVE SILT FENCE	500	LF	\$1.00	\$500.00
30 .	SEEDING - TYPE "TEMPORARY SEED MIX"	2	AC	\$1,000.00	\$2,000.00
31 .	HAY OR STRAW MULCH	2	AC	\$500.00	\$1,000.00
32 .	ROLLED EROSION CONTROL, TYPE II	500	SY	\$3.00	\$1,500.00
	CONTINGENCY	5%		\$164,076.00	\$7,498.27

Estimated Construction Costs: \$171,574.27

Estimated Soft Costs

19.00%	Engineering Design and Construction Administration:	\$32,599.11
1.00%	Geotechnical and Testing:	\$1,715.74
5.00%	Legal:	\$8,578.71
5.00%	Fiscal:	\$10,723.39
7.00%	Interest:	\$15,763.39
	12 Duration (Months)	

Total Estimated Soft Costs: 40% \$89,380.35

Total Estimated Costs: \$240,954.62

STORM SEWER G.O.

Assumptions/Comments:

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1 .	CLEARING AND GRUBBING GENERAL	1.00	LS	\$2,500.00	\$2,500.00
2 .	REMOVE 15" STORM SEWER PIPE	50.00	LF	\$15.00	\$750.00
3 .	REMOVE CMP RISER AND BASE	1.00	EA	\$500.00	\$500.00
4 .	CLEANOUT SILT BASIN - BASIN MODIFICATION (ESTABLISHED QUANTITY)	2709.00	CY	\$6.00	\$16,254.00
5 .	EXCAVATE UNSUITABLE MATERIAL (REMOVE, SPREAD, AND REPLACE)	250.00	CY	\$6.00	\$1,500.00
6 .	STRIP, STOCKPILE, AND RESPREAD TOPSOIL (ESTABLISHED QUANTITY)	290.00	CY	\$6.00	\$1,740.00
7 .	EARTHWORK EXCAVATION - BASIN MODIFICATION (ESTABLISHED QUANTI	2124.00	CY	\$8.00	\$16,992.00
8 .	GENERAL GRADING AND SHAPING	1.00	LS	\$5,000.00	\$5,000.00
9 .	CONSTRUCT 18" R.C.P., CLASS III	995.00	LF	\$40.00	\$39,800.00
10 .	CONSTRUCT 24" R.C.P., CLASS III	70.00	LF	\$60.00	\$4,200.00
11 .	CONSTRUCT 30" R.C.P., CLASS III	75.00	LF	\$70.00	\$5,250.00
12 .	CONSTRUCT 36" R.C.P., D(0.01) = 1,350	145.00	LF	\$85.00	\$12,325.00
13 .	CONSTRUCT 24" R.C. FLARED END SECTION	1.00	EA	\$1,000.00	\$1,000.00
14 .	CONSTRUCT 36" R.C. FLARED END SECTION	1.00	EA	\$1,750.00	\$1,750.00
15 .	CONSTRUCT 54" I.D. FLATTOP MANHOLE (2 EA)	14.00	VF	\$600.00	\$8,400.00
16 .	CONSTRUCT 72" I.D. FLATTOP MANHOLE (2 EA)	18.00	VF	\$750.00	\$13,500.00
17 .	CONSTRUCT 18" PIPE BEDDING	995.00	LF	\$8.00	\$7,960.00
18 .	CONSTRUCT 24" PIPE BEDDING	70.00	LF	\$9.00	\$630.00
19 .	CONSTRUCT 30" PIPE BEDDING	75.00	LF	\$12.00	\$900.00
20 .	CONSTRUCT 36" PIPE BEDDING	145.00	LF	\$15.00	\$2,175.00
21 .	STABILIZE TRENCH W/ CRUSHED LIMESTONE	100.00	TN	\$35.00	\$3,500.00
22 .	CONSTRUCT POND OUTLET STRUCTURE (BASIN E)	1.00	EA	\$1,000.00	\$1,000.00
23 .	CONSTRUCT RIP-RAP APRON - (NDOR TYPE "B")	20.00	TON	\$60.00	\$1,200.00
24 .	CONSTRUCT ANTI-SEEP COLLAR	1.00	EA	\$1,500.00	\$1,500.00
25 .	CONSTRUCT ROCK ACCESS ROAD	100.00	TN	\$35.00	\$3,500.00
26 .	CLEANOUT SILT BASIN	500.00	CY	\$6.00	\$3,000.00
27 .	CONSTRUCT SILT FENCE	500.00	LF	\$3.00	\$1,500.00
28 .	CLEANOUT SILT FENCE	500.00	LF	\$1.50	\$750.00
29 .	REMOVE SILT FENCE	500.00	LF	\$1.00	\$500.00
30 .	SEEDING - TYPE "TEMPORARY SEED MIX"	2.00	AC	\$1,000.00	\$2,000.00
31 .	HAY OR STRAW MULCH	2.00	AC	\$500.00	\$1,000.00
32 .	ROLLED EROSION CONTROL, TYPE II	500.00	SY	\$3.00	\$1,500.00
	CONTINGENCY	5%		\$164,076.00	\$7,498.27

Estimated Construction Costs: \$171,574.27

Estimated Soft Costs

19.00% Engineering Design and Construction Administration:	\$32,599.11
1.00% Geotechnical and Testing:	\$1,715.74
5.00% Legal:	\$8,578.71
5.00% Fiscal:	\$10,723.39
7.00% Interest:	\$15,763.39
12 Duration (Months)	

Total Estimated Soft Costs: 40% \$69,380.35

Total Estimated Costs: \$240,954.62

PAVING MINOR

Assumptions/Comments:



Includes residential only

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1.	7" CONCRETE PAVEMENT - TYPE L65	10150	SY	\$35.00	\$355,250.00
2.	9" CONCRETE PAVEMENT - TYPE L65	0	SY	\$38.00	\$0.00
3.	COMMON EARTHWORK EXCAVATION	3383	CY	\$4.00	\$13,533.33
4.	MEDIAN NOSE	0	EA	\$250.00	\$0.00
5.	ADJUST MANHOLE TO GRADE	19	EA	\$150.00	\$2,850.00
6.	EXTERNAL FRAME SEAL	19	EA	\$350.00	\$6,650.00
7.	CONSTRUCT CURB INLET - TYPE I	3	EA	\$3,000.00	\$9,000.00
8.	CONSTRUCT CURB INLET - TYPE III	4	EA	\$3,000.00	\$12,000.00
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	3070	LF	\$1.00	\$3,070.00
	CONTINGENCY	10 %			\$40,781.58

Estimated Construction Costs: \$448,597.42

Estimated Soft Costs

Engineering Design and	
20.00% Construction Administration:	\$89,719.48
2.00% Geotechnical and Testing:	\$8,971.95
5.00% Legal:	\$22,429.87
5.00% Fiscal:	\$28,485.94
7.00% Interest:	\$31,405.74
9 Duration (Months)	

Total Estimated Soft Costs: 40% \$181,012.98

Total Estimated Costs: \$629,610.40

PAVING IN EXCESS OF 6" THICK

Assumptions/Comments:

Papillion policy for standard pavement is only in excess of 7"

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1 .	1" CONCRETE PAVEMENT	0	SY	\$35.00	\$0.00
2 .	3" CONCRETE PAVEMENT	0	SY	\$31.00	\$0.00
Estimated Construction Costs:					\$0.00
FORMULA : 7" PAVEMENT		10,150	SY		
- G.O. PAVEMENT QUANTITY		-593	SY		
		<u>9,557</u>			
9,557 SY X (1/7") = 1,365 SY					
FORMULA : 9" PAVEMENT QUANTITY		0	SY		
- G.O. PAVEMENT QUANTITY		-0	SY		
		<u>0</u>			
0 SY X (3/7") = 0 SY					
Estimated Soft Costs					
20.00% 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% \$0.00
Total Estimated Costs:					\$0.00

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	\$35.00	\$20,755.00
2 .	9" CONCRETE PAVEMENT - TYPE L65	0	SY	\$36.00	\$0.00
3 .	COMMON EARTHWORK EXCAVATION	198	CY	\$4.00	\$790.67
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	\$3,000.00	\$9,000.00
8 .	CONSTRUCT CURB INLET - TYPE III	4	EA	\$3,000.00	\$12,000.00
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	10	%		\$4,830.82

Estimated Construction Costs: \$53,138.98

Estimated Soft Costs

Engineering Design and	
20.00% Construction Administration:	\$10,627.80
2.00% Geotechnical and Testing:	\$1,062.78
5.00% Legal:	\$2,656.95
5.00% Fiscal:	\$3,374.33
7.00% Interest:	\$3,720.19
9 Duration (Months)	

Total Estimated Soft Costs: 40% \$21,442.04

Total Estimated Costs: \$74,581.03

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		\$35.00	\$0.00
2 .	3" CONCRETE PAVEMENT	0 SY		\$31.00	\$0.00
Estimated Construction Costs:					\$0.00
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					
				20.00% 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>

SIDEWALKS

Assumptions/Comments:



5' trail with Outlot E

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1.	4" CONCRETE SIDEWALK	1,830	SF	\$4.50	\$8,235.00
2	SUBGRADE PREPARATION	285	SY	\$2.50	\$711.67
3	COMMON EARTH EXCAVATION	150	CY	\$7.00	\$1,046.74
4	CONSTRUCT CONCRETE CURB RAMP	60	SF	\$9.00	\$539.35
5	CONSTRUCT DETECTABLE WARNING PANEL	3	EA	\$150.00	\$450.00
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%		\$13,034.76	\$1,955.21

Estimated Construction Costs: \$14,989.97

Estimated Soft Costs

Engineering Design and	
19.00% Construction Administration:	\$2,848.09
1.00% Geotechnical and Testing:	\$149.90
5.00% Legal:	\$749.50
5.00% Fiscal:	\$936.87
7.00% Interest:	\$1,377.20
12 Duration (Months)	

Total Estimated Soft Costs: 40% \$8,061.57

Total Estimated Costs: \$21,051.54

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	\$4.50	\$8,235.00
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	\$150.00	\$450.00
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%		\$13,034.78	\$1,955.21

Estimated Construction Costs: \$14,989.97

Estimated Soft Costs

Engineering Design and	
19.00% Construction Administration:	\$2,848.09
1.00% Geotechnical and Testing:	\$149.90
5.00% Legal:	\$749.50
5.00% Fiscal:	\$936.87
7.00% Interest:	\$1,377.20
12 Duration (Months)	

Total Estimated Soft Costs: 40% \$8,061.57

Total Estimated Costs: \$21,051.54

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	24	EA	\$750.00	\$18,000.00
	CONTINGENCY	20%		\$25,300.00	\$5,060.00

Estimated Construction Costs: \$30,360.00

Estimated Soft Costs

Engineering Design and	
25.00% Construction Administration:	\$7,590.00
5.00% Legal:	\$1,518.00
5.00% Fiscal:	\$1,973.40
7.00% Interest:	\$2,175.67
9 Duration (Months)	

Total Estimated Soft Costs: 44% \$13,257.07

Total Estimated Costs: \$43,617.07

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	24	EA	\$750.00	\$18,000.00
	CONTINGENCY	20%		\$25,300.00	\$5,060.00

Estimated Construction Costs: \$30,360.00

Estimated Soft Costs

25.00%	Engineering Design and	\$7,590.00
5.00%	Legal:	\$1,518.00
5.00%	Fiscal:	\$1,973.40
7.00%	Interest:	\$2,175.67
9 Duration (Months)		

Total Estimated Soft Costs: 44% \$13,257.07

Total Estimated Costs: **\$43,617.07**

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	1,200	LF	\$23.00	\$27,600.00
2 .	CONSTRUCT 8" WATER MAIN	550	LF	\$30.00	\$18,500.00
3 .	CONSTRUCT 12" WATER MAIN	2,005	LF	\$48.00	\$96,240.00
4 .	BORE AND JACK 16" STEEL CASING	0	LF	\$200.00	\$0.00
5 .	CUT IN 12" TEE AND VALVE	0	EA	\$800.00	\$0.00
	CONSTRUCT END OF MAIN HYDRANT, GATE VALVE AND TEE ASSEMBLY				
6 .	AND BACKING BLOCK	2	EA	\$3,600.00	\$7,200.00
7 .	CONSTRUCT HYDRANT, GATE VALVE AND TEE ASSEMBLY	5	EA	\$3,800.00	\$19,000.00
8 .	CONSTRUCT 12 X 12 X 8 M.J. TEE ASSEMBLY AND BACKING BLOCK	1	EA	\$500.00	\$500.00
9 .	CONSTRUCT 12 X 12 X 6 M.J. TEE ASSEMBLY AND BACKING BLOCK	1	EA	\$400.00	\$400.00
10 .	CONSTRUCT 12X12X12X12 CROSS ASSEMBLY	1	EA	\$450.00	\$450.00
11 .	CONSTRUCT 12X12X8X8 CROSS ASSEMBLY	0	EA	\$425.00	\$0.00
12 .	CONSTRUCT 8X8X6X6 CROSS ASSEMBLY	0	EA	\$400.00	\$0.00
13 .	CONSTRUCT 6" M.J. GATE VALVE AND BOX	4	EA	\$900.00	\$3,600.00
14 .	CONSTRUCT 8" M.J. GATE VALVE AND BOX	2	EA	\$1,200.00	\$2,400.00
15 .	CONSTRUCT 12" M.J. GATE VALVE AND BOX	8	EA	\$2,000.00	\$18,000.00
16 .	CONSTRUCT 12" x 90 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	1	EA	\$450.00	\$450.00
17 .	CONSTRUCT 12" x 45 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	1	EA	\$450.00	\$450.00
18 .	CONSTRUCT 12" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	3	EA	\$450.00	\$1,350.00
19 .	CONSTRUCT 6" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	1	EA	\$300.00	\$300.00
20 .	CONSTRUCT 8" X 6" REDUCER	1	EA	\$150.00	\$150.00
21 .	CONSTRUCT 6" X 6" REDUCER	1	EA	\$150.00	\$150.00
22 .	CONSTRUCT CHLORINE TUBE	1	EA	\$1,500.00	\$1,500.00
23 .	CONSTRUCT SAMPLE TAP	8	EA	\$400.00	\$3,200.00
24 .	CONSTRUCT SILT FENCE	500	LF	\$3.00	\$1,500.00
	CONTINGENCY	15%		\$194,240.00	\$29,136.00

Estimated Construction Costs: \$228,076.00

Estimated Soft Costs

21.00%	Engineering Design and Construction Administration:	\$47,895.96
2.00%	Geotechnical and Testing:	\$4,561.52
5.00%	Legal:	\$11,403.80
5.00%	Fiscal:	\$14,596.86
7.00%	Interest:	\$18,093.04
	9 Duration (Months)	

Total Estimated Soft Costs: 41% \$94,551.19

Total Estimated Costs: \$322,627.19

CAPITAL FACILITIES CHARGES

Assumptions/Comments:



Paid entirely in Phase I

Bid Item Description		Approximate		Unit Price	Total
		Quantity	Unit		
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

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	\$23.00	\$0.00
2 .	CONSTRUCT 8" WATER MAIN	0	LF	\$30.00	\$0.00
3 .	CONSTRUCT 12" WATER MAIN	2,005	LF	\$18.00	\$36,090.00
4 .	BORE AND JACK 16" STEEL CASING	0	LF	\$200.00	\$0.00
5 .	CUT IN 12" TEE AND VALVE	0	EA	\$800.00	\$0.00
6 .	CONSTRUCT END OF MAIN HYDRANT, GATE VALVE AND TEE ASSEMBLY	0	EA	\$3,600.00	\$0.00
7 .	CONSTRUCT HYDRANT, GATE VALVE AND TEE ASSEMBLY	0	EA	\$3,800.00	\$0.00
8 .	CONSTRUCT 12 X 12 X 8 M.J. TEE ASSEMBLY AND BACKING BLOCK	1	EA	\$200.00	\$200.00
9 .	CONSTRUCT 12 X 12 X 6 M.J. TEE ASSEMBLY AND BACKING BLOCK	1	EA	\$100.00	\$100.00
10 .	CONSTRUCT 12X12X12X12 CROSS ASSEMBLY	1	EA	\$150.00	\$150.00
11 .	CONSTRUCT 12X12X8X8 CROSS ASSEMBLY	0	EA	\$425.00	\$0.00
12 .	CONSTRUCT 8X8X6X6 CROSS ASSEMBLY	0	EA	\$400.00	\$0.00
13 .	CONSTRUCT 6" M.J. GATE VALVE AND BOX	0	EA	\$900.00	\$0.00
14 .	CONSTRUCT 8" M.J. GATE VALVE AND BOX	0	EA	\$1,200.00	\$0.00
15 .	CONSTRUCT 12" M.J. GATE VALVE AND BOX	8	EA	\$800.00	\$6,400.00
16 .	CONSTRUCT 12" x 90 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	1	EA	\$150.00	\$150.00
17 .	CONSTRUCT 12" x 45 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	1	EA	\$150.00	\$150.00
18 .	CONSTRUCT 12" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING	3	EA	\$150.00	\$450.00
19 .	CONSTRUCT 6" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0	EA	\$300.00	\$0.00
20 .	CONSTRUCT 8" X 6" REDUCER	0	EA	\$150.00	\$0.00
21 .	CONSTRUCT 6" X 6" REDUCER	0	EA	\$150.00	\$0.00
22 .	CONSTRUCT CHLORINE TUBE	0	EA	\$1,500.00	\$0.00
23 .	CONSTRUCT SAMPLE TAP	0	EA	\$400.00	\$0.00
24 .	CONSTRUCT SILT FENCE	500	LF	\$3.00	\$1,500.00
	CONTINGENCY	15.00	%		\$6,778.50

Estimated Construction Costs: \$51,968.50

Estimated Soft Costs

Engineering Design and	
21.00% Construction Administration:	\$10,913.39
2.00% Geotechnical and Testing:	\$1,039.37
5.00% Legal:	\$2,598.43
5.00% Fiscal:	\$3,325.98
7.00% Interest:	\$3,666.90
9 Duration (Months)	

Total Estimated Soft Costs: 41% \$21,544.06

Total Estimated Costs: \$73,512.56

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

19.00% Engineering Design and Construction Administration:	\$12,312.00
5.00% Legal:	\$3,240.00
5.00% Fiscal:	\$4,017.60
7.00% Interest:	\$4,429.40
9 Duration (Months)	

Total Estimated Soft Costs: 37% \$23,999.00

Total Estimated Costs: \$88,799.00

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:	\$1,840.00
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

Plan Review Fee

Assumptions/Comments:



Bid Item Description		Construction Cost	Plan Review Fee	Total
1.	SANITARY SEWER - INTERIOR	\$231,715.13	1.00%	\$2,317.15
2.	SANITARY SEWER - OUTFALL	\$0.00	1.00%	\$0.00
3.	STORM SEWER	\$171,574.27	1.00%	\$1,715.74
4.	PAVING MINOR	\$448,597.42	1.00%	\$4,485.97
5.			1.00%	\$0.00
6.			1.00%	\$0.00
7.	SIDEWALKS	\$14,989.97	1.00%	\$149.90
8.	REGULATORY SIGNAGE	\$30,360.00	1.00%	\$303.60
9.	WATER INTERIOR	\$228,076.00	1.00%	\$2,280.76

Estimated Construction Costs: \$11,253.13

Estimated Soft Costs

5.00% Fiscal: \$562.66
 7.00% Interest: \$827.10
 12 Duration (Months)

Total Estimated Soft Costs: 12% \$1,389.76

Total Estimated Costs: \$12,642.89

	SANITARY SEWER ESTIMATED SOFT COSTS		STORM SEWER ESTIMATED SOFT COSTS		PAVING ESTIMATED SOFT COSTS		PAVING MAJOR ESTIMATED SOFT COSTS	
	INTERIOR	OFFSITE	INTERIOR	OFFSITE	MINOR	COLLECTOR		
ENGINEERING DESIGN AND CONSTRUCTION ADMIN.	21.00%	19.00%	19.00%		20.00%	19.00%	21.00%	
GEOTECHNICAL AND TESTING	2.00%	2.00%	1.00%		2.00%	2.00%	2.00%	
LEGAL	5.50%	5.50%	5.50%		5.50%	5.50%	5.50%	
FISCAL	5.00%	5.00%	5.00%		5.00%	5.00%	6.00%	
INTEREST	7.00%	7.00%	7.00%		7.00%	7.00%	7.00%	
DURATION (MONTHS)	12	12	12		9	9	9	

PLAN REVIEW FEE 1.00%

Water Design by LRA

Water Design by MUD

	SIDEWALKS ESTIMATED SOFT COSTS		LANDSCAPING ESTIMATED SOFT COSTS		WATER - LRA ESTIMATED SOFT COSTS		WATER - MUD ESTIMATED SOFT COSTS	
	INTERIOR	OFFSITE	IMPROVEMENTS	OFFSITE	INTERIOR	OFFSITE		
ENGINEERING DESIGN AND CONSTRUCTION ADMIN.	19.00%		24.00%		21.00%	19.00%	5.00%	5.00%
GEOTECHNICAL AND TESTING	1.00%		1.00%		2.00%	2.00%	N/A	N/A
LEGAL	5.50%		5.50%		5.50%	5.50%	5.50%	5.50%
FISCAL	5.00%		5.00%		5.00%	5.00%	5.00%	5.00%
INTEREST	7.00%		7.00%		7.00%	7.00%	7.00%	7.00%
DURATION (MONTHS)	12		12		9	9	9	9

	POWER ESTIMATED SOFT COSTS		UTILITY RELOCATION ESTIMATED SOFT COSTS	
	INTERIOR	OFFSITE		
ENGINEERING DESIGN AND CONSTRUCTION ADMIN.	19.00%		5.00%	
GEOTECHNICAL AND TESTING	N/A		N/A	
LEGAL	5.50%		5.50%	
FISCAL	5.00%		5.00%	
INTEREST	7.00%		7.00%	
DURATION (MONTHS)	9		12	

S.I.D. Cost Estimate

Ashbury Farm - Phase 3

112043.33

SID No. 293

10/8/2018

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	\$111,600.00	\$160,500.00	\$9,300.00	\$151,200.00	\$0.00	\$0.00	\$0.00	\$0.00
STORM SEWER	2709	LF	\$284,800.00	\$400,000.00	\$400,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PAVING Minor	8900	SY	\$442,800.00	\$621,500.00	\$337,600.00	\$283,900.00	\$0.00	\$0.00	\$0.00	\$0.00
SIDEWALKS	2040	SF	\$15,000.00	\$21,100.00	\$21,100.00	\$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	\$7,800.00	\$11,100.00	\$11,100.00	\$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	3675	LF	\$298,700.00	\$419,200.00	\$199,700.00	\$219,500.00	\$0.00	\$0.00	\$0.00	\$0.00
Capital Facilities Charge	1	LS	\$112,400.00	\$126,700.00	\$0.00	\$126,700.00	\$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	\$226,800.00	\$0.00	\$226,800.00	\$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	%	\$11,600.00	\$13,000.00	\$6,500.00	\$6,500.00	\$0.00	\$0.00	\$0.00	\$0.00
Total			\$1,470,700.00	\$2,023,300.00	\$1,008,700.00	\$1,014,600.00	\$0.00	\$0.00	\$0.00	\$0.00

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="2.11%"/>

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	\$24.00	\$0.00
3 .	CONSTRUCT 8" SANITARY SEWER PIPE	1550	LF	\$25.00	\$38,750.00
4 .	CONSTRUCT 4" FORCE MAIN	0	LF	\$20.00	\$0.00
5 .	CONSTRUCT 54" I.D. SANITARY MANHOLE (7 EA)	91	VF	\$380.00	\$34,580.00
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%		\$97,064.80	\$14,559.72

Estimated Construction Costs: \$111,624.52

Estimated Soft Costs

21.00%	Engineering Design and Construction Administration:	\$23,441.15
2.00%	Geotechnical and Testing:	\$2,232.49
5.00%	Legal:	\$5,581.23
5.00%	Fiscal:	\$7,143.97
7.00%	Interest:	\$10,501.64
	12 Duration (Months)	

Total Estimated Soft Costs: 44% \$48,900.47

Total Estimated Costs: \$160,525.00

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	\$24.00	\$0.00
3	CONSTRUCT 8" SANITARY SEWER PIPE	0	LF	\$25.00	\$0.00
4	CONSTRUCT 4" FORCE MAIN	0	LF	\$20.00	\$0.00
4	CONSTRUCT 54" I.D. SANITARY MANHOLE (41 EA)	0	VF	\$380.00	\$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

Engineering Design and	
21.00% Construction Administration:	\$1,352.40
2.00% Geotechnical and Testing:	\$128.80
5.00% Legal:	\$322.00
5.00% Fiscal:	\$412.16
7.00% Interest:	\$605.88
12 Duration (Months)	

Total Estimated Soft Costs: 44% \$2,821.24

Total Estimated Costs: \$9,261.24

STORM SEWER

Assumptions/Comments:

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
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	\$35.00	\$38,500.00
4 .	CONSTRUCT 24" R.C.P., CLASS III	215	LF	\$45.00	\$9,675.00
5 .	CONSTRUCT 30" R.C.P., CLASS III	1115	LF	\$65.00	\$72,475.00
6 .	CONSTRUCT 36" R.C.P., D(0.01) = 1,350	150	LF	\$75.00	\$11,250.00
7 .	CONSTRUCT 42" R.C.P., D(0.01) = 1,350	129	LF	\$95.00	\$12,255.00
8 .	CONSTRUCT 48" R.C.P., D(0.01) = 1,350	0	LF	\$115.00	\$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	\$1,000.00	\$1,000.00
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	\$2,500.00	\$2,500.00
13 .	CONSTRUCT 48" R.C. FLARED END SECTION	0	EA	\$3,000.00	\$0.00
14 .	CONSTRUCT 54" I.D. FLATTOP MANHOLE (5 EA)	25	VF	\$600.00	\$15,000.00
15 .	CONSTRUCT 60" I.D. FLATTOP MANHOLE (0 EA)	0	VF	\$650.00	\$0.00
16 .	CONSTRUCT 84" I.D. FLATTOP MANHOLE (0 EA)	0	VF	\$750.00	\$0.00
17 .	CONSTRUCT 54" I.D. TYPE II AREA INLET (4 EA)	20	VF	\$500.00	\$10,000.00
18 .	CONSTRUCT 18" PIPE BEDDING	1100	LF	\$7.00	\$7,700.00
19 .	CONSTRUCT 24" PIPE BEDDING	215	LF	\$8.00	\$1,720.00
20 .	CONSTRUCT 30" PIPE BEDDING	1115	LF	\$9.00	\$10,035.00
21 .	CONSTRUCT 36" PIPE BEDDING	150	LF	\$10.00	\$1,500.00
22 .	CONSTRUCT 42" PIPE BEDDING	129	LF	\$12.00	\$1,548.00
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	20%		\$237,346.50	\$47,469.30

Estimated Construction Costs: \$284,815.80

Estimated Soft Costs

Engineering Design and	
19.00% Construction Administration:	\$54,115.00
1.00% Geotechnical and Testing:	\$2,848.18
5.00% Legal:	\$14,240.79
5.00% Fiscal:	\$17,800.99
7.00% Interest:	\$26,167.45
12 Duration (Months)	

Total Estimated Soft Costs: 40% \$115,172.39

Total Estimated Costs: \$399,988.19

STORM SEWER G.O.

Assumptions/Comments:

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
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	\$35.00	\$38,500.00
4 .	CONSTRUCT 24" R.C.P., CLASS III	215.00	LF	\$45.00	\$9,675.00
5 .	CONSTRUCT 30" R.C.P., CLASS III	1115.00	LF	\$65.00	\$72,475.00
6 .	CONSTRUCT 36" R.C.P., D(0.01) = 1,350	150.00	LF	\$75.00	\$11,250.00
7 .	CONSTRUCT 42" R.C.P., D(0.01) = 1,350	129.00	LF	\$95.00	\$12,255.00
8 .	CONSTRUCT 48" R.C.P., D(0.01) = 1,350	0.00	LF	\$115.00	\$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	\$1,000.00	\$1,000.00
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	\$2,500.00	\$2,500.00
13 .	CONSTRUCT 48" R.C. FLARED END SECTION	0.00	EA	\$3,000.00	\$0.00
14 .	CONSTRUCT 54" I.D. FLATTOP MANHOLE (5 EA)	25.00	VF	\$600.00	\$15,000.00
15 .	CONSTRUCT 60" I.D. FLATTOP MANHOLE (1 EA)	0.00	VF	\$650.00	\$0.00
16 .	CONSTRUCT 84" I.D. FLATTOP MANHOLE (1 EA)	0.00	VF	\$750.00	\$0.00
17 .	CONSTRUCT 54" I.D. TYPE II AREA INLET (1 EA)	20.00	VF	\$500.00	\$10,000.00
18 .	CONSTRUCT 18" PIPE BEDDING	1100.00	LF	\$7.00	\$7,700.00
19 .	CONSTRUCT 24" PIPE BEDDING	215.00	LF	\$8.00	\$1,720.00
20 .	CONSTRUCT 30" PIPE BEDDING	1115.00	LF	\$9.00	\$10,035.00
21 .	CONSTRUCT 36" PIPE BEDDING	150.00	LF	\$10.00	\$1,500.00
22 .	CONSTRUCT 42" PIPE BEDDING	129.00	LF	\$12.00	\$1,548.00
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	20%		\$237,348.50	\$47,469.30

Estimated Construction Costs: \$284,815.80

Estimated Soft Costs

Engineering Design and	
19.00% Construction Administration:	\$54,115.00
1.00% Geotechnical and Testing:	\$2,848.16
5.00% Legal:	\$14,240.79
5.00% Fiscal:	\$17,800.99
7.00% Interest:	\$26,167.45

12 Duration (Months)

Total Estimated Soft Costs: 40% \$115,172.39

Total Estimated Costs: \$399,988.19

PAVING MINOR

Assumptions/Comments:



Includes commercial only.

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1 .	7" CONCRETE PAVEMENT - TYPE L65	0	SY	\$35.00	\$0.00
2 .	9" CONCRETE PAVEMENT - TYPE L65	8900	SY	\$36.00	\$320,400.00
3 .	COMMON EARTHWORK EXCAVATION	2967	CY	\$4.00	\$11,866.67
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	\$3,000.00	\$6,000.00
8 .	CONSTRUCT CURB INLET - TYPE III	6	EA	\$3,000.00	\$18,000.00
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	1550	LF	\$1.00	\$1,550.00
	CONTINGENCY	15 %			\$57,755.13

Estimated Construction Costs: \$442,789.29

Estimated Soft Costs

Engineering Design and	
20.00% Construction Administration:	\$88,557.86
2.00% Geotechnical and Testing:	\$8,855.79
5.00% Legal:	\$22,139.46
5.00% Fiscal:	\$28,117.12
7.00% Interest:	\$30,999.12
9 Duration (Months)	

Total Estimated Soft Costs: 40% \$178,669.35

Total Estimated Costs: \$621,458.65

PAVING IN EXCESS OF 6" THICK

Assumptions/Comments:

Total pavement in excess of 7" minus G.O. pavement.

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1.	1" CONCRETE PAVEMENT	0	SY	\$35.00	\$0.00
2.	3" CONCRETE PAVEMENT	1,701	SY	\$36.00	\$61,236.00
Estimated Construction Costs:					\$61,236.00
FORMULA : 7" PAVEMENT QUANTITY		0	SY		
- G.O. PAVEMENT QUANTITY		-0	SY		
		0			
5955 SY X (1/7") = 851 SY					
FORMULA : 9" PAVEMENT QUANTITY		8,900	SY		
- G.O. PAVEMENT QUANTITY		-2,945	SY		
		5,955			
5.955 SY X (2/7") = 1,701 SY					
Estimated Soft Costs					
20.00% Engineering Design and					\$12,247.20
2.00% Geotechnical and Testing:					\$1,224.72
5.00% Legal:					\$3,061.80
5.00% Fiscal:					\$3,888.49
7.00% Interest:					\$4,287.06
9 Duration (Months)					
Total Estimated Soft Costs:					40% \$24,709.26
Total Estimated Costs:					\$85,945.26

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	\$35.00	\$0.00
2 .	9" CONCRETE PAVEMENT - TYPE L65	2945	SY	\$36.00	\$106,020.00
3 .	COMMON EARTHWORK EXCAVATION	982	CY	\$4.00	\$3,926.67
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	\$3,000.00	\$6,000.00
8 .	CONSTRUCT CURB INLET - TYPE III	6	EA	\$3,000.00	\$18,000.00
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	%		\$23,387.13

Estimated Construction Costs: \$179,301.29

Estimated Soft Costs

20.00%	Engineering Design and Construction Administration:	\$35,860.26
2.00%	Geotechnical and Testing:	\$3,586.03
5.00%	Legal:	\$8,965.06
5.00%	Fiscal:	\$11,385.63
7.00%	Interest:	\$12,552.66
	9 Duration (Months)	

Total Estimated Soft Costs: 40% \$72,349.64

Total Estimated Costs: \$251,650.93

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

Assumptions/Comments:

Total pavement in excess of 7" minus G.O. pavement

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1 .	1" CONCRETE PAVEMENT	0	SY	\$35.00	\$0.00
2 .	3" CONCRETE PAVEMENT	1,701	SY	\$36.00	\$81,236.00
Estimated Construction Costs:					\$81,236.00
FORMULA: 7" PAVEMENT QUANTITY		0	SY		
- G.O. PAVEMENT QUANTITY		-0	SY		
		0			
0 SY X (1/7") = 0 SY					
FORMULA: 9" PAVEMENT QUANTITY		8,900	SY		
- G.O. PAVEMENT QUANTITY		-2,945	SY		
		5,955			
5,955 SY X (2/7") = 1,701 SY					
				20.00% Engineering Design and	\$12,247.20
				2.00% Geotechnical and Testing:	\$1,224.72
				5.00% Legal:	\$3,061.80
				5.00% Fiscal:	\$3,888.49
				7.00% Interest:	\$4,287.06
				9 Duration (Months)	
Total Estimated Soft Costs:				40%	\$24,709.26
Total Estimated Costs:					\$85,945.26

SIDEWALKS

Assumptions/Comments:



5' trail with Outlot A

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1	4" CONCRETE SIDEWALK	2,040	SF	\$4.50	\$9,180.00
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 %			\$1,960.81

Estimated Construction Costs: \$15,032.88

Estimated Soft Costs

Engineering Design and Construction Administration:	\$2,856.25
1.00% Geotechnical and Testing:	\$150.33
5.00% Legal:	\$751.64
5.00% Fiscal:	\$939.56
7.00% Interest:	\$1,381.15
12 Duration (Months)	

Total Estimated Soft Costs: 40% \$6,078.92

Total Estimated Costs: \$21,111.81

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	\$4.50	\$9,180.00
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 %		\$1,960.81

Estimated Construction Costs: \$15,032.88

Estimated Soft Costs

Engineering Design and Construction Administration:	\$2,856.25
1.00% Geotechnical and Testing:	\$150.33
5.00% Legal:	\$751.64
5.00% Fiscal:	\$939.56
7.00% Interest:	\$1,381.15
12 Duration (Months)	

Total Estimated Soft Costs: 40% \$6,078.92

Total Estimated Costs: \$21,111.81

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	6	EA	\$750.00	\$4,500.00
	CONTINGENCY	25%		\$6,200.00	\$1,550.00

Estimated Construction Costs: \$7,750.00

Estimated Soft Costs

Engineering Design and	
25.00% Construction Administration:	\$1,937.50
5.00% Legal:	\$387.50
5.00% Fiscal:	\$503.75
7.00% Interest:	\$555.38
9 Duration (Months)	

Total Estimated Soft Costs: 44% \$3,384.13

Total Estimated Costs: \$11,134.13

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	6	EA	\$750.00	\$4,500.00
	CONTINGENCY	25%		\$6,200.00	\$1,550.00

Estimated Construction Costs: \$7,750.00

Estimated Soft Costs

25.00%	Engineering Design and	\$1,937.50
5.00%	Legal:	\$387.50
5.00%	Fiscal:	\$503.75
7.00%	Interest:	\$555.38
9 Duration (Months)		

Total Estimated Soft Costs: 44% \$3,384.13

Total Estimated Costs: \$11,134.13

WATER INTERIOR

Assumptions/Comments:
 250 LF B&J underneath HWY 370 (west end)

Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1. CONSTRUCT 6" WATER MAIN	0	LF	\$23.00	\$0.00
2. CONSTRUCT 8" WATER MAIN	2,050	LF	\$30.00	\$61,500.00
3. CONSTRUCT 12" WATER MAIN	1,625	LF	\$48.00	\$78,000.00
4. BORE AND JACK 16" STEEL CASING	250	LF	\$325.00	\$81,250.00
5. CUT IN 12" TEE AND VALVE	1	EA	\$800.00	\$800.00
CONSTRUCT END OF MAIN HYDRANT, GATE VALVE AND TEE ASSEMBLY AND BACKING BLOCK	0	EA	\$3,600.00	\$0.00
7. CONSTRUCT HYDRANT, GATE VALVE AND TEE ASSEMBLY	6	EA	\$3,800.00	\$22,800.00
8. CONSTRUCT 12 X 12 X 8 M.J. TEE ASSEMBLY AND BACKING BLOCK	1	EA	\$500.00	\$500.00
9. CONSTRUCT 8 X 8 X 6 M.J. TEE ASSEMBLY AND BACKING BLOCK	0	EA	\$400.00	\$0.00
10. CONSTRUCT 12X12X12X12 CROSS ASSEMBLY	0	EA	\$450.00	\$0.00
11. CONSTRUCT 12X12X8X8 CROSS ASSEMBLY	0	EA	\$425.00	\$0.00
12. CONSTRUCT 8X8X6X6 CROSS ASSEMBLY	0	EA	\$400.00	\$0.00
13. CONSTRUCT M.J. GATE VALVE AND BOX	4	EA	\$1,500.00	\$6,000.00
14. CONSTRUCT 12" x 90 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	2	EA	\$450.00	\$900.00
15. CONSTRUCT 12" x 45 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	2	EA	\$450.00	\$900.00
16. CONSTRUCT 12" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	2	EA	\$450.00	\$900.00
17. CONSTRUCT 8" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	8	EA	\$300.00	\$2,400.00
18. CONSTRUCT 8" X 6" REDUCER	0	EA	\$150.00	\$0.00
19. CONSTRUCT 6" X 6" REDUCER	0	EA	\$150.00	\$0.00
20. CONSTRUCT CHLORINE TUBE	1	EA	\$1,500.00	\$1,500.00
21. CONSTRUCT SAMPLE TAP	2	EA	\$400.00	\$800.00
22. CONSTRUCT SILT FENCE	500	LF	\$3.00	\$1,500.00
CONTINGENCY	15%		\$259,750.00	\$38,962.50

Estimated Construction Costs: \$298,712.50

Estimated Soft Costs

Engineering Design and	
21.00% Construction Administration:	\$62,729.63
1.00% Geotechnical and Testing:	\$2,987.13
5.00% Legal:	\$14,935.63
5.00% Fiscal:	\$18,968.24
7.00% Interest:	\$20,912.49
9 Duration (Months)	

Total Estimated Soft Costs: 40% \$120,533.11

Total Estimated Costs: \$419,245.61

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:	\$2,248.89
5.00% Fiscal:	\$5,734.15
7.00% Interest:	\$8,321.90
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. If Founders Ridge is constructed prior to Ashbury Farm phase 3, the 12" main may not be necessary.

Bid Item Description		Approximate Quantity	Unit	Unit Price	Total
1 .	CONSTRUCT 6" WATER MAIN	0	LF	\$23.00	\$0.00
2 .	CONSTRUCT 8" WATER MAIN	0	LF	\$26.00	\$0.00
3 .	CONSTRUCT 12" WATER MAIN (OFFSITE)	250	LF	\$44.00	\$11,000.00
4 .	CONSTRUCT 12" WATER MAIN (COST DIFFERNCE WITH 8")	1,375	LF	\$18.00	\$24,750.00
9 .	BORE AND JACK 16" STEEL CASING	250	LF	\$325.00	\$81,250.00
10 .	CUT IN 12" TEE AND VALVE	1	EA	\$800.00	\$800.00
	CONSTRUCT END OF MAIN HYDRANT, GATE VALVE AND TEE ASSEMBLY				
11 .	AND BACKING BLOCK	0	EA	\$3,600.00	\$0.00
12 .	CONSTRUCT HYDRANT, GATE VALVE AND TEE ASSEMBLY	0	EA	\$3,600.00	\$0.00
13 .	CONSTRUCT 12 X 12 X 8 M.J. TEE ASSEMBLY AND BACKING BLOCK	1	EA	\$500.00	\$500.00
14 .	CONSTRUCT 8 X 8 X 6 M.J. TEE ASSEMBLY AND BACKING BLOCK	0	EA	\$400.00	\$0.00
15 .	CONSTRUCT 12X12X12X12 CROSS ASSEMBLY	0	EA	\$450.00	\$0.00
16 .	CONSTRUCT 12X12X8X8 CROSS ASSEMBLY	0	EA	\$425.00	\$0.00
17 .	CONSTRUCT 8X8X6X6 CROSS ASSEMBLY	0	EA	\$400.00	\$0.00
18 .	CONSTRUCT M.J. GATE VALVE AND BOX	2	EA	\$1,500.00	\$3,000.00
19 .	CONSTRUCT 12" x 90 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	2	EA	\$150.00	\$300.00
20 .	CONSTRUCT 12" x 45 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	2	EA	\$150.00	\$300.00
21 .	CONSTRUCT 12" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	2	EA	\$150.00	\$300.00
22 .	CONSTRUCT 6" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0	EA	\$300.00	\$0.00
23 .	CONSTRUCT 8" X 6" REDUCER	0	EA	\$150.00	\$0.00
24 .	CONSTRUCT 6" X 6" REDUCER	0	EA	\$150.00	\$0.00
25 .	CONSTRUCT CHLORINE TUBE	0	EA	\$1,500.00	\$0.00
26 .	CONSTRUCT SAMPLE TAP	0	EA	\$400.00	\$0.00
27 .	CONSTRUCT SILT FENCE	500	LF	\$3.00	\$1,500.00
	CONTINGENCY	15.00	%		\$18,555.00

Estimated Construction Costs: \$142,255.00

Estimated Soft Costs

Engineering Design and	
21.00% Construction Administration:	\$29,873.55
1.00% Geotechnical and Testing:	\$1,422.55
5.00% Legal:	\$7,112.75
5.00% Fiscal:	\$9,033.19
7.00% Interest:	\$9,959.09
9 Duration (Months)	

Total Estimated Soft Costs: 40% \$57,401.14

Total Estimated Costs: \$199,656.14

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

19.00%	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

19.00%	Engineering Design and Construction Administration:	\$31,452.45
5.00%	Legal:	\$8,276.96
5.00%	Fiscal:	\$10,263.43
7.00%	Interest:	\$11,315.43
9	Duration (Months)	

Total Estimated Soft Costs: 37% \$81,308.27

Total Estimated Costs: \$226,847.47

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	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)	<u> </u>

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	\$111,624.52	1.00%	\$1,116.25
2.	SANITARY SEWER - OUTFALL	\$0.00	1.00%	\$0.00
3.	STORM SEWER	\$284,815.80	1.00%	\$2,848.16
4.	PAVING MINOR	\$442,789.29	1.00%	\$4,427.89
5.			1.00%	\$0.00
6.			1.00%	\$0.00
7.	SIDEWALKS	\$15,032.88	1.00%	\$150.33
8.	REGULATORY SIGNAGE	\$7,750.00	1.00%	\$77.50
9.	WATER INTERIOR	\$298,712.50	1.00%	\$2,987.13

Estimated Construction Costs: \$11,607.25

Estimated Soft Costs

5.00% Fiscal: \$580.36

7.00% Interest: \$853.13

12 Duration (Months)

Total Estimated Soft Costs: 12% \$1,433.50

Total Estimated Costs: \$13,040.75

	SANITARY SEWER ESTIMATED SOFT COSTS		STORM SEWER ESTIMATED SOFT COSTS		PAVING ESTIMATED SOFT COSTS		PAVING MAJOR ESTIMATED SOFT COSTS	
	INTERIOR	OFFSITE	INTERIOR	OFFSITE	MINOR	COLLECTOR	MINOR	COLLECTOR
ENGINEERING DESIGN AND CONSTRUCTION ADMIN.	21.00%	21.00%	19.00%	N/A	20.00%	19.00%	20.00%	19.00%
GEOTECHNICAL AND TESTING	2.00%	2.00%	1.00%	N/A	2.00%	2.00%	2.00%	2.00%
LEGAL	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
FISCAL	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
INTEREST	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%
DURATION (MONTHS)	12	12	12	12	9	9	9	9

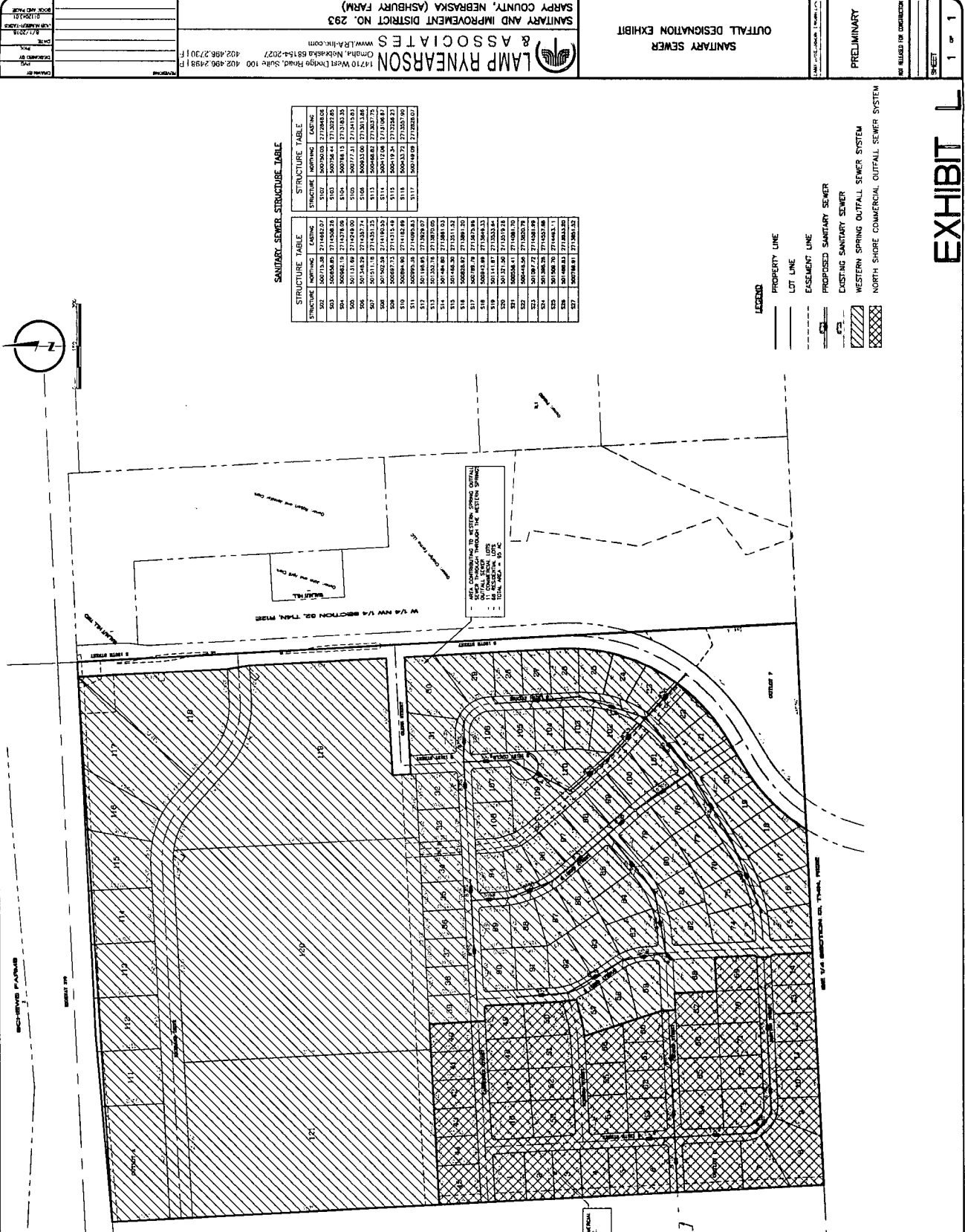
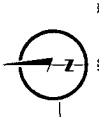
PLAN REVIEW FEE 1.00%

Water Design by LRA

Water Design by MUD

	SIDEWALKS ESTIMATED SOFT COSTS		LANDSCAPING ESTIMATED SOFT COSTS		WATER - LRA ESTIMATED SOFT COSTS		WATER - MUD ESTIMATED SOFT COSTS	
	INTERIOR	OFFSITE	IMPROVEMENTS	OFFSITE	INTERIOR	OFFSITE	INTERIOR	OFFSITE
ENGINEERING DESIGN AND CONSTRUCTION ADMIN.	19.00%	19.00%	24.00%	21.00%	21.00%	21.00%	5.00%	5.00%
GEOTECHNICAL AND TESTING	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	N/A	N/A
LEGAL	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
FISCAL	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
INTEREST	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%
DURATION (MONTHS)	12	12	12	9	9	9	9	9

	POWER ESTIMATED SOFT COSTS		UTILITY RELOCATION ESTIMATED SOFT COSTS	
	INTERIOR	OFFSITE	INTERIOR	OFFSITE
ENGINEERING DESIGN AND CONSTRUCTION ADMIN.	19.00%	19.00%	5.00%	5.00%
GEOTECHNICAL AND TESTING	N/A	N/A	N/A	N/A
LEGAL	5.00%	5.00%	5.00%	5.00%
FISCAL	5.00%	5.00%	5.00%	5.00%
INTEREST	7.00%	7.00%	7.00%	7.00%
DURATION (MONTHS)	9	9	12	12



SANITARY SEWER STRUCTURE TABLE

STRUCTURE	INVERTING	EXISTING	STRUCTURE	INVERTING	EXISTING
500	50115.50	271463.27	510	50020.00	271706.50
501	50020.00	271706.50	511	50020.00	271706.50
502	50020.00	271706.50	512	50020.00	271706.50
503	50020.00	271706.50	513	50020.00	271706.50
504	50020.00	271706.50	514	50020.00	271706.50
505	50115.50	271463.27	515	50020.00	271706.50
506	50115.50	271463.27	516	50020.00	271706.50
507	50115.50	271463.27	517	50020.00	271706.50
508	50115.50	271463.27	518	50020.00	271706.50
509	50115.50	271463.27	519	50020.00	271706.50
510	50115.50	271463.27	520	50020.00	271706.50
511	50020.00	271706.50	521	50020.00	271706.50
512	50020.00	271706.50	522	50020.00	271706.50
513	50020.00	271706.50	523	50020.00	271706.50
514	50020.00	271706.50	524	50020.00	271706.50
515	50020.00	271706.50	525	50020.00	271706.50
516	50020.00	271706.50	526	50020.00	271706.50
517	50020.00	271706.50	527	50020.00	271706.50

SANITARY SEWER
OUTFALL DESIGNATION EXHIBIT

LAMP RYNEARSON & ASSOCIATES
14710 West Dodge Road, Suite 100
Omaha, Nebraska 68154-2027
402.498.2498 f
www.LRA-ir.com

SAPRY COUNTY, NEBRASKA (ASHBURY FARM)
SANITARY AND IMPROVEMENT DISTRICT NO. 293

DATE	
DRAWN BY	
CHECKED BY	
IN CHARGE	
SCALE	
PROJECT NUMBER	
JOB NO.	

PRELIMINARY
BY ISSUED FOR CONSTRUCTION
SHEET 1 of 1

EXHIBIT L

- LEGEND
- PROPERTY LINE
 - LOT LINE
 - EASEMENT LINE
 - PROPOSED SANITARY SEWER
 - EXISTING SANITARY SEWER
 - WESTERN SPRING OUTFALL SEWER SYSTEM
 - NORTH SHORE COMMERCIAL OUTFALL SEWER SYSTEM

AREA CONTRIBUTING TO WESTERN SPRING OUTFALL SEWER SYSTEM THROUGH THE WESTERN SPRING OUTFALL SEWER THROUGH THE WESTERN SPRING OUTFALL SEWER SYSTEM. TOTAL AREA = 95 AC.

CROSS-SECTION OF MAIN SEWER LINE

CROSS-SECTION OF MAIN SEWER LINE

Know what's below. Call before you dig.