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2015-26232

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REGISTER OF DEFDS

SECOND AMENDMENT TO SUBDIVISION AGREEMENT

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

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

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

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

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

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

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 Section II, Subsection N is hereby repealed in its entirety and the following is hereby substituted in its place:

- N. Construction of the trails and sidewalks along 120th Street, 122nd Street, Outlots B, C, and D, and adjacent to Lots 32 through 45 as shown on Exhibit F-1.
- 4. <u>Amendment #2</u>. Section II, Subsection O is hereby repealed in its entirety and the following is hereby substituted in its place:
 - O. Irrigation system and appurtenances to be installed within the 120th Street public right-of-way.
- 5. <u>Amendment #3</u>. Section IV, Paragraph 1 is hereby repealed in its entirety and the following paragraph is hereby substituted in its place:

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

- 6. <u>Amendment #4</u>. Section IV, Subsection M is hereby repealed in its entirety and the following is hereby substituted in its place:
 - M. Irrigation System and Appurtenances. Up to one hundred thousand dollars (\$100,000) of the cost of the irrigation system and appurtenances to be installed within the 120th Street public right-of-way may be borne by general obligation. Any remaining irrigation system costs shall be privately financed by DEVELOPER.
- 7. Amendment #5. Section IX shall be amended to add Subsection W:

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

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

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

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

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

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

10. Exhibit Modifications.

- A. Exhibit "F" is hereby repealed in its entirety and replaced with Exhibit "F-1".
- B. Exhibit "G-1" is hereby repealed in its entirety and replaced with Exhibit "G-2".
- 11. Source and Use of Funds Residential Valuation Reevaluation. The Parties agree that the Residential Valuation shown in the Source and Use of Funds may be reevaluated when the Sarpy County Assessor establishes the full taxable valuation for 50% of the lots in Phase 1. The Parties may enter into an amendment to this Agreement to replace the Source and Use of Funds Residential Valuation with the average taxable valuation established by the Sarpy County Assessor at that time.
- 12. Pavement in Excess of Six (6") Inches Thick. The Parties acknowledge that the Source and Use of Funds is being amended to eliminate general obligation financing for pavement in excess of six (6") inches thick for Phases 2 and 3 in order to allow for general obligation financing of the sidewalks added to Exhibit "F-1". The Parties agree to amend the Source and Use of Funds to restore the general obligation financing of the pavement in excess of six (6") inches thick for Phases 2 and 3 if the Residential

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

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

ATTEST:

THE CITY OF PAPILLION, NEBRASKA

Elizabeth Butler, City Clerk

David P. Black, Mayor

SEAL:



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

By Semid 2 tors 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 Juff day of October, 2015. GENERAL NOTARY - State of Nebraska ELIZABETH BUTLER My Comm. Exp. December 28, 2015
DEVELOPER:
B.H.I. DEVELOPMENT, INC., a Nebraska corporation
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 Loth day of October, 2015.

GENERAL NOTARY - State of Nebraska
ELIZABETH BUTLER
My Comm. Exp. December 28, 2015

SUBDIVISION AGREEMENT AMENDMENT TABLE OF CONTENTS

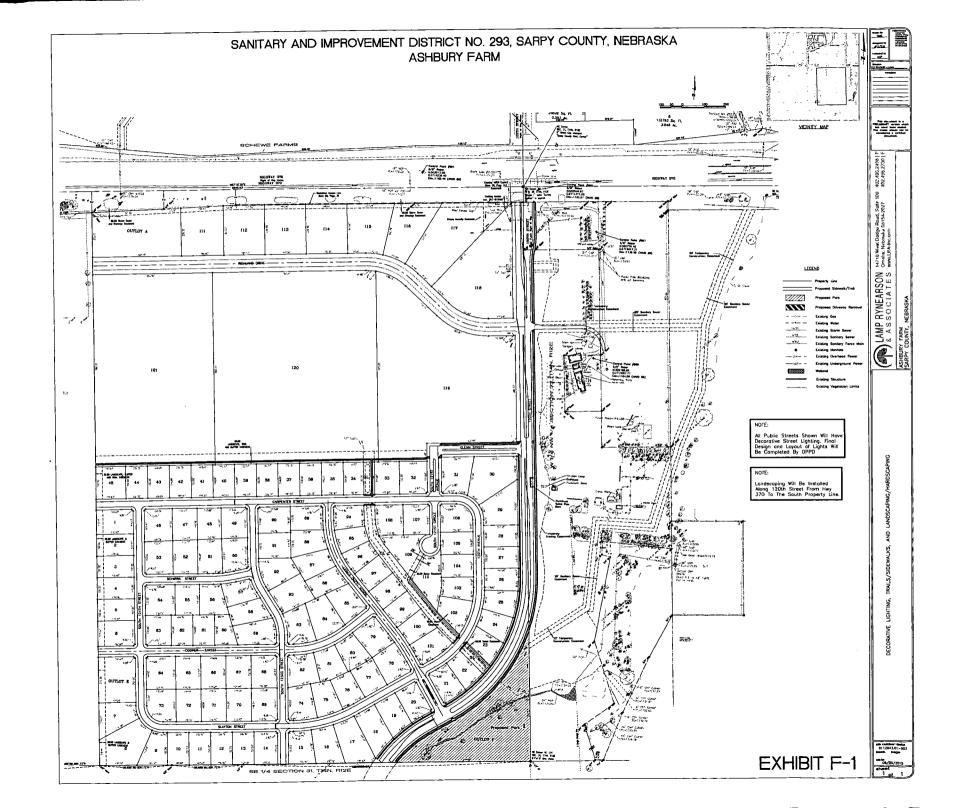
INTRODUCTION STATEMENT

RECITALS

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

EXHIBITS:

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



L:\Engineering\0112043\DESIGN DATA\

EXHIBIT G-2

S.I.D. Cost Estimate

Ashbury Farm Combined SUF Phases 1, 2 & 3 112043.11,.22,.33 SID No. 293 9/10/2015

Asbury Farm, Sarpy County SID 293 ORDER OF MAGNITUDE COST ESTIMATE

Final Plat Exhibit G-2

Proposed Improvement	Quantity	Unit	Construction Cost	Total Cost	General Obligation	Special	Future SID Reimbursable	City of Papillion Reimbursable	Sarpy County Reimbursable	Private
SANITARY SEWER										
Interior	9817	LF	\$589,439.98	\$881,719.44	\$171,700.00	\$710,019.44	\$0.00	\$0.00	\$0.00	\$0.00
Outfall	4203	LF	\$374,974.62	\$559,150.04	\$0.00	\$0.00	\$0.00	\$559,150.04	\$0.00	\$0.00
Outfall Easement Acquisition	1	LS	\$20,164.38	\$24,142.15	\$0.00	\$0.00	\$0.00	\$24,142.15	\$0.00	\$0.00
STORM SEWER	9234	LF	\$573,459.82	\$849,897.68	\$789,482.67	\$14,388.87	\$0.00	\$0.00	\$46,026.14	\$0.00
PAVING										
Minor	34555	SY	\$1,178,323.20	\$1,523,883.41	\$299,600.00	\$769,760.21	\$0.00	\$0.00	\$0.00	\$454,523.20
120th Street	17600	SY	\$614,455.07	\$876,581.26	\$214,346.44	\$183,575.56	\$265,745.37	\$0.00	\$212,913.89	\$0.00
Highway 370 Decel Lane	2239	SY	\$283,531.35	\$429,193.94	\$386,274.54	\$0.00	\$42,919.39	\$0.00	\$0.00	\$0.00
Highway 370 Contribution	1	LS	\$362,351,21	\$401,660.88	\$401,660.88	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SIDEWALKS & SIGNS	58610	SF	\$363,973.64	\$516,782.56	\$453,632.70	\$0,00	\$63,149.86	\$0.00	\$0.00	\$0.00
LANDSCAPING	1	LS	\$62,518.50	\$89,800.00	\$89,800.00	\$0.00	\$0,00	\$0.00	\$0.00	\$0.00
PARKS ACQUISITION	2.92	AC	\$30,700.00	\$36,200.00	\$36,200.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WATER										
Interior	15656	LF	\$865,427.05	\$1,219,371.85	\$367,751.87	\$851,619.98	\$0.00	\$0.00	\$0.00	\$0.00
Capital Facilities Charge	110	Lots	\$492,077.31	\$581,273.17	\$227,267.05	\$241,571.79	\$0.00	\$0.00	\$0.00	\$112,434.33
City Infrastructure Contrib	1	LS	\$813,600.00	\$901,863.40	\$901,863.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
POWER										
Service	110	Lots	\$119,360.00	\$172,892.67	\$0.00	\$172,892.67	\$0.00	\$0.00	\$0.00	\$0.00
Commercial Service	46	AC	\$165,500.00	\$237,800.00	\$0.00	\$237,800.00	\$0.00	\$0.00	\$0.00	\$0.00
Decorative Street Lights	84	EA	\$172,200.00	\$210,980.43	\$210,980.43	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CIVIL DEFENSE SIREN	1	LS	\$30,000.00	\$42,400.00	\$42,400.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PLAN REVIEW FEE	1	%	\$18,900.00	\$21,300.00	\$11,100.00	\$10,200.00	\$0.00	\$0.00	\$0.00	\$0.00
	Tot	al	\$7,130,956.13 \$7,130,956.13	\$9,576,892.88 \$9,576,892.88	\$4,604,059.98 \$4,604,059.98	\$3,191,828.52 \$3,191,828.52	\$371,814.62 \$371,814.62	\$583,292.19 \$583,292.19	\$258,940.04 \$258,940.04	\$566,957.53 \$566,957.53
Residential Valuation Commercial Valuation Total Valuation Total Valuation	110 44.52 100% 95%	Lots AC	\$7,130,956.13 \$55,000,000.00 \$50,355,360.00 \$105,355,360.00 \$100,087,592.00		\$4,604,009.96	4.60%	3371,314.02	4000,202.10	4255,5.554	255,551.00

DEBT RATIO

ASSUMPTIONS

Average market Value Per Residential Lot (land value only)

\$85,000.00

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

\$415,000.00

Commercial Land Value per square foot

\$8.00

Commercial Building Value per square foot (Includes Land)

\$85.00

ASSESSABLE VALUATION

Residential Lot

110 Units = \$85,000.00 = \$9,350,000.00

Residential Improvements

110 Units = \$415,000.00 = \$45,650,000.00

Commercial Land

46.24 AC = \$348,480.00 = \$16,113,715.20

Commercial Building (20% of Lot Area)

402,843 SF = \$85.00 = \$34,241,644.80

Total 100% Valuation =

\$105,355,360.00

Total 95% Valuation =

\$100,087,592.00

DEBT RATIO =

4.60%

S.I.D. Cost Estimate

Ashbury Farm - Phase I 112043.11 SID No. 293 9/10/2015

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

Phase I

Proposed Improvement	Quantity	Unit	Construction Cost	Total Cost	General Obligation	Special	Future SID Reimbursable	City of Papillion Reimbursable	Sarpy County Reimbursable	Private
SANITARY SEWER										
Interior	5086	LF	\$212,439.98	\$344,219.44	\$0.00	\$344,219.44	\$0.00	\$0.00	\$0.00	\$0.00
Outfall	4203	LF	\$374,974.62	\$559,150.04	\$0.00	\$0.00	\$0.00	\$559,150.04	\$0.00	\$0.00
Outfall Easement Acquisition	1	LS	\$20,164.38	\$24,142.15	\$0.00	\$0.00	\$0.00	\$24,142.15	\$0.00	\$0.00
STORM SEWER	4509	LF	\$269,159.82	\$413,897.68	\$353,482.67	\$14,388.87	\$0.00	\$0.00	\$46,026.14	\$0.00
PAVING										
Minor - Private	15505	SY	\$454,523.20	\$515,883.41	\$0.00	\$61,360.21	\$0.00	\$0.00	\$0.00	\$454,523.20
120th Street	17600	SY	\$614,455.07	\$876,581.26	\$214,346.44	\$183,575.56	\$265,745.37	\$0.00	\$212,913.89	\$0.00
Highway 370 Decel Lane	2239	SY	\$283,531.35	\$429,193.94	\$386,274.54	\$0.00	\$42,919.39	\$0.00	\$0.00	\$0.00
Highway 370 Contribution	1	LS	\$362,351.21	\$401,660.88	\$401,660.88	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SIDEWALKS & SIGNS	54740	SF	\$320,273.64	\$453,382.56	\$390,232.70	\$0.00	\$63,149.86	\$0.00	\$0.00	\$0.00
LANDSCAPING	1	LS	\$62,518.50	\$89,800.00	\$89,800.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PARKS ACQUISITION	2.92	AC	\$30,700.00	\$36,200.00	\$36,200.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WATER										
Interior	8306	LF	\$402,927.05	\$570,771.85	\$162,651.87	\$408,119.98	\$0.00	\$0.00	\$0.00	\$0.00
Capital Facilities Charge	110	Lots	\$379,642.98	\$454,534.10	\$227,267.05	\$114,832.72	\$0.00	\$0.00	\$0.00	\$112,434.33
City Infrastructure Contrib	1	LS	\$813,600.00	\$901,863.40	\$901,863.40	\$0.00	\$0.00			
POWER										
Service	62	Lots	\$54,560.00	\$79,792.67	\$0.00	\$79,792.67	\$0.00	\$0.00	\$0.00	\$0.00
Decorative Street Lights	58	EΑ	\$118,900.00	\$150,180.43	\$150,180.43	\$0.00				
CIVIL DEFENSE SIREN	1	LS	\$30,000.00	\$42,400.00	\$42,400.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Tot		\$4,804,721,80	\$6,343,653.81	\$3,356,359.98	\$1,206,289,45	\$371,814.62	\$583,292.19	\$258,940.04	\$566,957,53
First Amendment to Subdivision Agreement		ai	\$4,004,727.00	40,040,000.01	\$3,344,800.00	1494000	388500	568000	\$275,200.00	\$477,600.00
Residential Valuation (Land Value) Residential Valuation (Improvements) Commercial Valuation Total Valuation Total Valuation	62 62 0.00 100% 95%	Lots Lots AC	\$5,270,000 \$25,730,000 \$0 \$31,000,000 \$29,450,000		Debt Ratio	11.40%				

DEBT RATIO

ASSUMPTIONS

Average market Value Per Residential Lot (land value only)

\$85,000.00

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

\$415,000.00

Commercial Land Value per square foot

\$8.00

Commercial Building Value per square foot (Includes Land)

\$85.00

ASSESSABLE VALUATION

Residential Lot

\$85,000.00 = \$5,270,000.00 62 Units =

Residential Improvements

\$25,730,000.00 62 Units = \$415,000.00 =

0

SF =

Commercial Land

\$0.00 \$348,480.00 = 0.000 AC = \$85.00 =

Commercial Building (20% of Lot Area)

Total 100% Valuation =

\$31,000,000.00

\$0.00

Total 95% Valuation =

\$29,450,000.00

DEBT RATIO =

11.40%





Assumptions/Comments:

		Approximate			
	Bid Item Description	Quantity	Unit	Unit Price	Total
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
10 .	DEDUCTION FOR FAILED TESTS				-\$838.00
· · · · ·		Construction Costs	•		\$212,439.98
			Soft Costs		
				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

\$131,779.46

\$344,219.44

Total Soft Costs:

Total Costs:

SANITARY SEWER - OUTFALL





		Approximate		
	Bid Item Description	Quantity Unit	Unit Price	Total
1.	CLEARING AND GRUBBING GENERAL	1.00 LS	\$18,555.00	\$18,555.00
2.	CLEARING AND GRUBBING TREES OVER 9" TO 18" DIAMETER	40.00 EA	\$185.00	\$7,400.00
3.	REMOVE PAVEMENT	58.66 SY	\$5.50	\$322.63
4.	REMOVE FENCE	257.50 LF	\$2.70	\$695,25
5.	REMOVE AND REPLACE FENCE	581.20 LF	\$10.05	\$5,841.06
6.	REMOVE, SALVAGE AND REINSTALL FENCE	148.00 LF	\$27.15	\$4,018.20
7.	REMOVE 12" MANHOLE STUBOUT	1.00 EA	\$715.00	\$715.00
8.	CONSTRUCT 8" SANITARY SEWER PIPE	2,004.00 LF	\$14.25	\$28,557.00
9.	CONSTRUCT 10" SANITARY SEWER PIPE	1,612,00 LF	\$16.65	\$26,839.80
10 .	CONSTRUCT 12" SANITARY SEWER PIPE	586.81 LF	\$21.25	\$12,469.71
11 .	BORE AND JACK 18" STEEL CASING W/12" DUCTILE IRON PIPE	360.00 LF	\$270.00	\$97,200.00
12 .	CONSTRUCT 54" I.D. SANITARY MANHOLE (17 EA)	188.87 VF	\$282.75	\$53,402.99
13 .	CONSTRUCT EXTENDED MANHOLE RING COLLAR	14.00 EA	\$285.00	\$3,990.00
14 .	CONSTRUCT EXTERNAL FRAME SEAL	14.00 EA	\$345.00	\$4,830.00
15 .	CONSTRUCT 12" CONNECTION TO EXISTING STRUCTURE	1.00 EA	\$225.00	\$225.00
16 .	CONSTRUCT 8" PIPE BEDDING	1,207,00 LF	\$3.10	\$3,741.70
17 .	CONSTRUCT 10" PIPE BEDDING	399.45 LF	\$3.50	\$1,398.08
18.	CONSTRUCT 12" PIPE BEDDING	0,00 LF	\$5.00	\$0.00
19 .	STABILIZATION TRENCH W/ CRUSHED LIMESTONE	548,23 TN	\$30.00	\$16,446.90
20 .	EXCAVATION FOR EXTRA DEEP SANITARY SEWER	932.00 VF-LF	\$9.55	\$8,900.60
20 .	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
25 .	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
J2 .	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
J4 .	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, Construc	tion
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





FINAL UPDATED SOFT COSTS TO 5/6/15

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



SANITARY SEWER - INTERIOR G.O.

_ Assumptions/Comments:



FINAL

		Approximate		
	Bid Item Description	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
15 .	PER CHANGE ORDER NO. 1			
16 .	SEED TYPE "TEMPORARY"	0.00 AC	\$220.00	\$0.00
		Construction Costs:	470.	\$0.00
		Construction Costs:		φυ.υυ
		Soft Costs		
•		Engineering	g Design, Construction	
		Admin, Ged	technical & 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





	Rid Ham Decembring	Approximate Quantity Unit	Unit Price	Total
	Bid Item Description	Quantity Offic	Ontrace	Total
1.	CLEARING AND GRUBBING GENERAL	1.00 LS	\$18,555.00	\$18,555.00
2.	CLEARING AND GRUBBING TREES OVER 9" TO 18" DIAMETER	40.00 EA	\$185.00	\$7,400.00
3.	REMOVE PAVEMENT	58.66 SY	\$5.50	\$322.63
4.	REMOVE FENCE	257.50 LF	\$2.70	\$695.25
5.	REMOVE AND REPLACE FENCE	581.20 LF	\$10.05	\$5,841.06
6.	REMOVE, SALVAGE AND REINSTALL FENCE	148.00 LF	\$27.15	\$4,018.20
7.	REMOVE 12" MANHOLE STUBOUT	1.00 EA	\$715.00	\$715.00
8.	CONSTRUCT 8" SANITARY SEWER PIPE	2,004.00 LF	\$14.25	\$28,557.00
9.	CONSTRUCT 10" SANITARY SEWER PIPE	1,612.00 LF	\$16.65	\$26,839.80
10 .	CONSTRUCT 12" SANITARY SEWER PIPE	586.81 LF	\$21.25	\$12,469.71
11 .	BORE AND JACK 18" STEEL CASING W/12" DUCTILE IRON PIPE	360.00 LF	\$270.00	\$97,200.00
12 .	CONSTRUCT 54" I.D. SANITARY MANHOLE (17 EA)	188.87 VF	\$282.75	\$53,402.99
13 .	CONSTRUCT EXTENDED MANHOLE RING COLLAR	14.00 EA	\$285,00	\$3,990.00
14 .	CONSTRUCT EXTERNAL FRAME SEAL	14.00 EA	\$345.00	\$4,830.00
15 .	CONSTRUCT 12" CONNECTION TO EXISTING STRUCTURE	1.00 EA	\$225.00	\$225.00
	CONSTRUCT 8" PIPE BEDDING	1,207.00 LF	\$3.10	\$3,741.70
16 .	CONSTRUCT 10" PIPE BEDDING	399.45 LF	\$3.50	\$1,398.08
17 .		0.00 LF	\$5.00	\$0.00
18 .	CONSTRUCT 12" PIPE BEDDING	548.23 TN	\$30.00	\$16,446.90
19 .	STABILIZATION TRENCH W/ CRUSHED LIMESTONE	932.00 VF-LF	\$9.55	\$8,900.60
20 .	EXCAVATION FOR EXTRA DEEP SANITARY SEWER	0.00 LF	\$2.00	\$0.00
21 .	CONSTRUCT SILT FENCE	0.00 LF	\$0.50	\$0.00
22 .	CLEANOUT SILT FENCE		\$370.00	\$1,110.00
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	\$283.2
28 .	CONSTRUCT 24" PIPE BEDDING	208.00 LF	\$5.45	\$1,133.60
20 .	PER CHANGE ORDER NO. 2			
29 .	REMOVE AND REPLACE UNSUITABLE MATERIAL	3,234,00 CY	\$6.65	\$21,506.10
25 .	PER CHANGE ORDER NO. 3	-,		
20	NRD MIX WITH STRAW MULCH	10.90 AC	\$987.00	\$10,758.30
30 .	LOW GROW NATIVE GRASS WITH MULCH	0.30 AC	\$1,491.00	\$447.30
31 .		1.300.00 SY	\$1.15	\$1,495.0
32 .	EROSION BLANKET	1,000.00	****	. ,
	PER CHANGE ORDER NO. 4	6.00 EA	\$40.00	\$240.0
33 .	ANTI-SEEP COLLARS	1.00 LS	\$120.75	\$120.7
34 .	SAMPLING MANHOLE MODIFICATION	1.00 LG	¥120.70	Ţ.20./·
	PER CHANGE ORDER NO. 5	1,693.24 LF-VF	\$7.50	\$12,699.3
35 .	OVER DEPTH EXCAVATION	1,093.24 EF-VF	Ψ7.50	412,000.0
	С	onstruction Costs:		\$374,974.6
		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: Fiscal: Interest:		\$403.29 \$1,089.06 \$2,485.42
			Total Soft Costs:		\$3,977.77
			Total Costs:		\$24,142.15

STORM SEWER

Assumptions/Comments:



	Bid Item Description	Approximate Quantity	Unit	Unit Price	Tota
		1.00	18	\$5,000,00	\$5,000.0
1.	GENERAL GRADING AND SHAPING REMOVE SEWER PIPE	0.00		\$12.41	\$0.0
2. 3.	CONSTRUCT 18" R.C.P., CLASS III	695.00		\$21.93	\$15,241.3
). .	CONSTRUCT 16 R.C.P., CLASS III	543.00		\$28.52	\$15,486.3
† . 5 .	CONSTRUCT 30" R.C.P., CLASS III	871.00		\$37.75	\$32,880.2
3. 3.	CONSTRUCT 36" R.C.P., D(0.01) = 1,350	656.00		\$48.95	\$32,111.2
7.	CONSTRUCT 42" R.C.P., D(0.01) = 1,350	422.00	LF	\$67.85	\$28,632.7
3.	CONSTRUCT 48" R.C.P., D(0.01) = 1,350	73.00		\$80.78	\$5,896.9
€.	CONSTRUCT 60" R.C.P., D(0.01) = 1,350	183.00		\$120.30	\$22,014.9
) .	CONSTRUCT 54" I.D. MANHOLE (4 EA)	23.54		\$357.02	\$8,404.2
1.	CONSTRUCT 72" I.D. MANHOLE (1 EA)	7.60		\$427.49	\$3,248.9
2.	CONSTRUCT MANHOLE RING COLLAR	5.00		\$243.77	\$1,218.8
3.	CONSTRUCT 54" I.D. TYPE II AREA INLET (2 EA)	16.98		\$244.47	\$4,151.1
4.	CONSTRUCT 72" I.D. TYPE II AREA INLET (3 EA)	24.78		\$503.78	\$12,483.6
5.	CONSTRUCT MODIFIED CURB INLET	1.00		\$1,466.62	\$1,466.6
3.	CONSTRUCT 18" PIPE BEDDING	695.00		\$3.22	\$2,237.9 \$2,253.4
7.	CONSTRUCT 24" PIPE BEDDING	543.00		\$4.15 65.47	\$2,253.2 \$4,503.0
3.	CONSTRUCT 30" PIPE BEDDING	871.00		\$5.17	\$4,503.0 \$4,106.5
€.	CONSTRUCT 36" PIPE BEDDING	656.00		\$6.26	
),	CONSTRUCT 42" PIPE BEDDING	422.00		\$7.42	\$3,131.2 \$632.9
	CONSTRUCT 48" PIPE BEDDING	73.00		\$8.67	\$632.5 \$2,173.5
2.	CONSTRUCT 60" PIPE BEDDING	191.00		\$11.38	\$2,173.3 \$5.655.5
3.	CONSTRUCT 60" R.C. FLARED END SECTION W/BAR GRATE	2.00		\$2,827.76 \$616.59	\$5,655.5 \$616.5
4.	CONSTRUCT TEMPORARY 15" HDPE INLET DIVERSION	1.00 0.00		\$20.30	\$0.0
5.	STABILIZE TRENCH W/ CRUSHED LIMESTONE			\$1.06	\$5,194.0
3.	ROLLED EROSION CONTROL, TYPE II	4,900.00		\$1.025.57	\$953.
7.	SEEDING - TYPE "DRAINAGEWAYS"	0.93 0.09		\$1,311.04	\$117.
3.	SEEDING - TYPE "NON IRRIGATED LAWN AND TURF SEED"	22.30		\$233.28	\$5.202.
€.	CONSTRUCT GABION AND REVET MATTRESS	108.00		\$39.34	\$4,248.
ο.	CONSTRUCT ROCK RIP-RAP - TYPE "C"	1.00		\$24.511.00	\$24,511.
1.	REIMBURSEMENT FOR EXISTING SILT BASIN STORM SEWER	1,00		\$2,800.00	\$2,800.
2.	CONTRACTOR FEE FOR REIMBURSEMENT COORDINATION	1,00	LO	\$2,000.00	\$2,000.
_	ADD PER CHANGE ORDER NO. 1	28.00	I F	\$40.40	\$1,131.
3.	CONSTRUCT 8" SANITARY SWEER PIPE	28.00		\$4,11	\$115.
4 ,	CONSTRUCT 8" PIPE BEDDING	20,00		•	
	ADD PER CHANGE ORDER NO. 2 CURB INLET D028 - BIRDBATH TO TOP OF PIPE, 84" FLATTOP (60" PIPE) -				
_	9.48' DEEP	1.00	FA	\$2,400.00	\$2,400.
5.	CURB INLET D027 - BIRDBATH TO TOP OF PIPE, 72" FLATTOP (60" PIPE) -			••	
	12.68' DEEP	1.00	EA	\$2,015.00	\$2,015.
6.	ADD PER CHANGE ORDER NO. 3	the site of the same of the sa		• •	
7.	CURB INLET D03 - BIRDBATH INLET 48" UP (60" PIPE) - 8.07' DEEP	1,00	EA	\$1,615.00	\$1,615.
7. 8.	CURB INLET D04 - BIRDBATH INLET 42" UP (60" PIPE) - 7.49' DEEP	1.00		\$1,560.00	\$1,560.
5 .	ADD PER CHANGE ORDER NO. 4	Annual An			
	GABION BASKET MATERIAL	1.00	LS	\$3,747.98	\$3,747.
9.	GABION BASKET MATERIAL	Carrie and accommon to the Control	,		
		Construction Cost	s:	·	\$269,159
				Soft Costs	
			•	g Design, Construction	\$66,541
			Admin:		\$00,541 \$1,940
			Testing:		
			Review Fee	: :	\$3,201 \$13,459
			Legal:		\$13,458 \$18,670
			Fiscal:		\$40,926
			Interest:	=	<u>φ+υ,320</u>
		Total Soft Costs:		=	\$144,73

STORM SEWER G.O.

Assumptions/Comments:
FINAL
Items over 48" at the 48" cost.
See Below for Sarpy County Reimbursable

	Bid Item Description	Approximate Quantity Unit	Unit Price	Total
1.	GENERAL GRADING AND SHAPING	1.00 LS	\$5,000.00	\$5,000.00
2.	REMOVE SEWER PIPE	0.00 LF	\$12.41	\$0.00
3.	CONSTRUCT 18" R.C.P., CLASS III	695.00 LF	\$21.93	\$15,241.35
4.	CONSTRUCT 24" R.C.P., CLASS III	543.00 LF	\$28.52	\$15,486.36
5.	CONSTRUCT 30" R.C.P., CLASS III	871.00 LF	\$37.75	\$32,880.25
6.	CONSTRUCT 36" R.C.P., D(0.01) = 1,350	656,00 LF	\$48.95	\$32,111,20
7.	CONSTRUCT 42" R.C.P., D(0.01) = 1,350	422.00 LF	\$67.85	\$28,632.70
8.	CONSTRUCT 48" R.C.P., D(0.01) = 1,350	73.00 LF	\$80.78	\$5,896.94 \$14,782.74
9.	CONSTRUCT 60" R.C.P., D(0.01) = 1,350	183.00 LF	\$80.78 \$357.02	\$8,404.25
10.	CONSTRUCT 54" I.D. MANHOLE (4 EA)	23.54 VF 7.60 VF	\$357.02	\$2,713.35
11 . 12 .	CONSTRUCT 72" I.D. MANHOLE (1 EA) 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 \$4,000.00
23 .	CONSTRUCT 60" R.C. FLARED END SECTION W/BAR GRATE	2.00 EA	\$2,000.00	\$4,000.00 \$616.59
24 .	CONSTRUCT TEMPORARY 15" HDPE INLET DIVERSION	1.00 EA	\$616.59 \$20.30	\$0.00
25 .	STABILIZE TRENCH W/ CRUSHED LIMESTONE	0.00 TN 4,900.00 SY	\$1.06	\$5,194.00
26 .	ROLLED EROSION CONTROL, TYPE II	0.93 AC	\$1,025.57	\$953.78
27 .	SEEDING - TYPE "DRAINAGEWAYS" SEEDING - TYPE "NON IRRIGATED LAWN AND TURF SEED"	0.09 AC	\$1,311.04	\$117.99
28 . 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 ADD PER CHANGE ORDER NO. 1	1,00 LS	\$2,800.00	\$2,800.00
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			
	CURB INLET D028 - BIRDBATH TO TOP OF PIPE, 84" FLATTOP (60" PIPE) -	4.00.54	\$2,400.00	\$2,400.00
35 .	9.48' DEEP	1.00 EA	\$2,400.00	Ψ2,400.00
	CURB INLET D027 - BIRDBATH TO TOP OF PIPE, 72" FLATTOP (60" PIPE) -	1.00 EA	\$2,015.00	\$1,344.00
36 .	12.68' DEEP ADD PER CHANGE ORDER NO. 3	1.00 EX	42,515.55	*
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 DO4 - BIRDBATH INLET 42" UP (60" PIPE) - 7.49' DEEP	1.00 EA	\$1,560.00	\$1,560.00
30 .	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	
		Engineerin Admin: 95.86% Testing:	g Design, Construction	\$66,541.02 \$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 Cost	s :	\$399,508.81
		Total Sarpy County Reimburs (see below)	able Costs:	\$46,026.14
		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 will be 1/3 (County) and 2/3 (SID 293).

1. GENERAL GRADING AND SHAPMS 2. REMOVE SEWER PIRE 3. COMSTRUCT 19'R CP. CLASS III 3. STATUTE 19'R CP. CLASS III 4. STATUTE 19'R CP. CLASS III 5. COMSTRUCT 39'R CP. CLASS III 5. COMSTRUCT 39'R CP. CLASS III 6. COMSTRUCT 39'R CP. CLASS III 6. COMSTRUCT 39'R CP. CLASS III 7. COMSTRUCT 39'R CP. DO 10) = 1.350 7. COMSTRUCT 39'R CP. DO 10) = 1.350 7. COMSTRUCT 49'R CP. DO 10) = 1.350 7. COMSTRUCT 49'R CP. DO 10) = 1.350 8. COMSTRUCT 49'R CP. DO 10) = 1.350 8. COMSTRUCT 49'R CP. DO 100 = 1.350 8. COMSTRUCT 41'R CP		Bid Item Description	Approximate Quantity Unit	Unit Price	Total
2. REMOVE SEWER PIPE 0.00 LF \$12.41 \$0.00					
30 CONSTRUCT 187 RC.P., CLASS III 210.75 LF 528.52 56.01.05 5 CONSTRUCT 287 RC.P., CLASS III 20.075 LF 528.52 56.01.05 5 CONSTRUCT 287 RC.P., CLASS III 288.04 LF 528.75 5 S10.887.1 5 CONSTRUCT 287 RC.P., CLASS III 288.04 LF 528.75 5 S10.887.1 5 CONSTRUCT 287 RC.P., DIOD) = 1.350	1.				
CONSTRUCT 24" RC P., CLASS III					
CONSTRUCT 39 R.C.P., CLASS III					· ·
CONSTRUCT 39* P.C.P000 pt = 1,350					
CONSTRUCT 42" R.C.P., 00(00) = 1,350 283,39 LF					\$0.00
CONSTRUCT 48P R.C.P., 010 op) = 1,350 72,86 LF					
CONSTRUCT 60 Pt.C.P., Q10,019 = 1,350 \$22,0618 \$23,081 \$23,081 \$22,0818 \$20,					\$5,885.63
0. CONSTRUCT 94*1.D. MANHOLE (1 EA.) 1. CONSTRUCT 72*1.D. MANHOLE (1 EA.) 2. CONSTRUCT 72*1.D. MANHOLE (1 EA.) 3. CONSTRUCT 72*1.D. MANHOLE (1 EA.) 3. CONSTRUCT 72*1.D. MANHOLE (1 EA.) 3. CONSTRUCT 84*1.D. TYPE II AREA MILET (2 EA.) 4. CONSTRUCT 84*1.D. TYPE II AREA MILET (2 EA.) 4. CONSTRUCT 72*1.D. TYPE II AREA MILET (2 EA.) 5. CONSTRUCT 72*1.D. TYPE II AREA MILET (2 EA.) 6. CONSTRUCT 72*1.D. TYPE II AREA MILET (2 EA.) 6. CONSTRUCT 72*1.D. TYPE II AREA MILET (2 EA.) 7. CONSTRUCT 72*1.D. TYPE II AREA MILET (2 EA.) 7. CONSTRUCT 72*1.D. TYPE II AREA MILET (2 EA.) 7. CONSTRUCT 72*1.D. TYPE II AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE II AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE II AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE II AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE II AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE II AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE II AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE II AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE II AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE II AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE II AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE II AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE II AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE THE AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE THE AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE THE AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE THE AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE THE AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE THE AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE THE AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE THE AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE THE AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE THE AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE THE AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE THE AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE THE AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE THE AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE THE AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE THE AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D. TYPE THE AREA MILET (3 EA.) 8. CONSTRUCT 72*1.D.					\$22,061.82
1. CONSTRUCT 72*LD. MANHOLE (1 6A) 7.60 VF \$427.49 \$32.449 \$32.40 \$32.40 \$32.40 \$32.40 \$32.40 \$32.40 \$32.40 \$32.40 \$32.40 \$32.00 \$4.50 \$32.40					\$1,981.46
2. CONSTRUCT MANHOLE RING COLLAR (2 EA)		the state of the s	7,60 VF	\$427.49	\$3,248.92
3. CONSTRUCT Set* I.D. TYPE II AREA NILET (Z EA) 4. CONSTRUCT 72 (I.D. TYPE II AREA NILET (Z EA) 5. CONSTRUCT MODIFIED CURB INLET 5. CONSTRUCT MODIFIED CURB INLET 6. CONSTRUCT SET PIPE BEBOING 7. CONSTRUCT SET PIPE SET SET SET SET SET SET SET SET SET SE			2.00 EA	\$243.77	\$487.54
4. CONSTRUCT ZP LID. TYPE II AREA INLET (3 EA) 6. CONSTRUCT MODIFIED CURRENTET 6. CONSTRUCT MODIFIED CURRENTET 6. CONSTRUCT MODIFIED CURRENTET 7. CONSTRUCT 4P IPPE BEDDING 7. CONSTRUCT 3P IPPE BEDDING 8. CONSTRUCT 3P IPPE BEDDING 8. CONSTRUCT 3P IPPE BEDDING 9. SOON 9. SOO			0.00 VF	\$244.47	\$0.00
5. CONSTRUCT MODIFIED CURB INLET 0.00 EA \$1,466.62 \$5.00			0.00 VF	\$503.78	\$0.00
CONSTRUCT 18" PIPE BEDDING 313.11 LF 33.22 \$1,008.2			0.00 EA	\$1,466.62	\$0.00
7. CONSTRUCT AP IPIE BEDDING 28.40 LF \$4.15 \$874.6 8. CONSTRUCT 30° IPIE BEDDING 28.40 LF \$5.17 \$1,491.0 8. CONSTRUCT 36° IPIE BEDDING 28.30 LF \$5.17 \$1,491.0 8. CONSTRUCT 36° IPIE BEDDING 28.30 LF \$5.17 \$1,491.0 8. CONSTRUCT 42° IPIE BEDDING 28.30 LF \$1.74 \$2.188.0 8.11.0 CONSTRUCT 42° IPIE BEDDING 72.86 LF \$8.67 \$63.17 85.17 \$1.891.0 81.30 LF \$11.36 \$2.086.8 83.30 LF \$11.36 \$3.17 \$3.1891.0 81.30 LF \$1.36 LF \$3.18 LF				\$3.22	\$1,008.21
CONSTRUCT 3P PIPE BEDDING				\$4.15	\$874.61
CONSTRUCT SP PIPE BEDDING				\$5.17	\$1,491.03
CONSTRUCT 29 PIPE BEDDING CONSTRUCT 49 PIPE BEDDING CONSTRUCT 69 PIPE BEDDING CONSTRUCT TEMPORARY 15* HOPE INLET DIVERSION CON CONSTRUCT CONSTRUCT TO				\$6.26	\$0.00
CONSTRUCT 48" PIPE BEDDING 72.86 LF \$5.67 \$53.17				\$7.42	\$1,880.15
22 COMSTRUCT 69" PIPE BEDDING 18.3.9 LF \$11.3.8 \$2.086.9			72.86 LF	\$8.67	\$631.70
CONSTRUCT 60* P.C. FLARED END SECTION WBAR GRATE (2 EA) 2.00 EA \$2,227.76 \$5,655.5			183.39 LF	\$11.38	\$2,086.98
CONSTRUCT IEMPORARY 15* HOPE INLET DIVERSION 0.00 EA \$10.59 \$3.00				\$2,827.76	\$5,655.52
STABILIZETRENCH W CRUSHED LIMISTONE				\$616.59	\$0.00
ROULED EROSION CONTROL TYPE 0.00 SY 1.06 \$0.00 SY \$1.06 \$1.00 SY \$1					\$0.00
SEEDING - TYPE **DRAINAGEWAYS*					\$0.00
SEEDING - TYPE "NON IRRIGATED LAWN AND TURF SEED" O CONSTRUCT GABION AND REVET MATTRESS CONSTRUCT ROCK RIP-RAP - TYPE "C" 108.00 TON \$39.34 \$4,248.7 \$10.0 \$0.0 \$1.0 \$2.0 \$1.0 \$1.0 \$1.0 \$1.0 \$1.0 \$1.0 \$1.0 \$1					\$0.00
23 CONSTRUCT GABION AND REVET MATTRESS 2.20 CY \$233.28 \$5.202.15				\$1,311.04	\$0.00
100 CONSTRUCT ROCK RIP-RAP - TYPE "C" 108.00 TON 399.34 \$4,248.71 \$39.34 \$4,248.71 \$39.34 \$3,248.71 \$39.34 \$3,248.71 \$39.34 \$3,248.71 \$30.00 \$30					\$5,202.14
REIMBURSEMENT FOR EXISTING SILT BASIN STORM SEWER 0.00 LS \$24,511.00 \$0.00					\$4,248.72
CONTRACTOR FEE FOR REIMBURSEMENT COORDINATION 0.00 LS \$2,800.00 \$0.00					\$0.00
ADD PER CHANGE ORDER NO. 1 31 CONSTRUCT 8" PIPE BEDDING ADD PER CHANGE ORDER NO. 2 CURB INLET DO28 - BIRDBATH TO TOP OF PIPE, 84" FLATTOP (60" PIPE) - 1.00 EA \$2,400.00 \$2,400.00 12,68 DEEP CURB INLET DO29 - BIRDBATH INLET 49" UP (60" PIPE) - 8.07" DEEP ADD PER CHANGE ORDER NO. 3 17 CURB INLET DO3 - BIRDBATH INLET 49" UP (60" PIPE) - 7.49" DEEP ADD PER CHANGE ORDER NO. 4 193 GABION BASKET MATERIAL CONSTRUCT 8" ADD PER CHANGE ORDER NO. 4 1.00 EA \$1,615.00 \$1,615.00 \$1,550					\$0.00
33. CONSTRUCT & SANITARY SWEER PIPE 34. CONSTRUCT & SANITARY SWEER PIPE 35. CONSTRUCT & SANITARY SWEER PIPE 36. CONSTRUCT & SANITARY SWEER PIPE 37. CURB INLET DO28 - BIRDBATH TO TOP OF PIPE, 84" FLATTOP (60" PIPE) - 38. CURB INLET DO27 - BIRDBATH TO TOP OF PIPE, 72" FLATTOP (60" PIPE) - 39. 12.68 DEEP 30. 12.68 DEEP 31. 10.0 EA \$2,400.00 \$2,400.00 32. 015.01 337. CURB INLET DO27 - BIRDBATH INLET 48" UP (60" PIPE) - 8.07' DEEP 31. CURB INLET DO24 - BIRDBATH INLET 48" UP (60" PIPE) - 7.49" DEEP 32. CURB INLET DO24 - BIRDBATH INLET 42" UP (60" PIPE) - 7.49" DEEP 33. CURB INLET DO24 - BIRDBATH INLET 42" UP (60" PIPE) - 7.49" DEEP 34. CURB INLET DO25 - 8.07' DEEP 35. CURB INLET DO25 - 8.07' DEEP 36. CURB INLET DO26 - BIRDBATH INLET 42" UP (60" PIPE) - 7.49" DEEP 37. CURB INLET DO26 - BIRDBATH INLET 42" UP (60" PIPE) - 7.49" DEEP 38. CURB INLET DO27 - BIRDBATH INLET 42" UP (60" PIPE) - 7.49" DEEP 39. GABION BASKET MATERIAL CONSTRUCTION COSTS: 40.5% of total Storm Sewer CONSTRUCT COSTS: Engineering Design, Construction Admin: 226.956. 756ft Costs Total Soft Costs: 529.039. Total 120th Street Storm Sewer Costs: (excluding Legal, Fiscal & Interest)	JZ .				
CONSTRUCT 8" PIPE BEDDING ADD PER CHANGE ORDER NO. 2 CURB INLET DOZ8 BIRDBATH TO TOP OF PIPE, 84" FLATTOP (60" PIPE) - 1.00 EA \$2,400.00 \$2,400.	22		0.00 LF	\$40.40	\$0.00
ADD PER CHANGE ORDER NO. 2 CURB INLET DO28 - BIRDBATH TO TOP OF PIPE, 84" FLATTOP (60" PIPE) - 1.00 EA \$2,400.00 \$2,400.00 12.68" DEEP CURB INLET DO27 - BIRDBATH TO TOP OF PIPE, 72" FLATTOP (60" PIPE) - 1.00 EA \$2,015.00 \$2,015.00 12.68" DEEP ADD PER CHANGE ORDER NO. 3 17. CURB INLET DO3 - BIRDBATH INLET 48" UP (60" PIPE) - 8.07' DEEP ADD PER CHANGE ORDER NO. 4 1.00 EA \$1,615.00 \$1,6				\$4,11	\$0.00
CURB INLET DO28 - BIRDBATH TO TOP OF PIPE, 84" FLATTOP (60" PIPE) - 9.48" DEEP CURB INLET DO27 - BIRDBATH TO TOP OF PIPE, 72" FLATTOP (60" PIPE) - 10.0 EA \$2,400.00 \$2,400.00 12.68" DEEP ADD PER CHANGE ORDER NO. 3 37. CURB INLET DO3 - BIRDBATH INLET 48" UP (60" PIPE) - 8.07" DEEP ADD PER CHANGE ORDER NO. 3 38. CURB INLET DO3 - BIRDBATH INLET 42" UP (60" PIPE) - 7.49" DEEP ADD PER CHANGE ORDER NO. 4 39. GABION BASKET MATERIAL CONSTRUCTION COSTS: Soft Costs Engineering Design, Construction Admin: S26,956. Review Fee: S1,297. Legal: S0. Fiscal: S0. Total Soft Costs: Total Soft Costs: Total 120th Street Storm Sewer Costs: (excluding Legal, Fiscal & Interest)	34 .		****		
35 9,48° DEEP 1.00 EA \$2,400.00 \$2,400.01					
CURB INLET D027 - BIRDBATH TO TOP OF PIPE, 72" FLATTOP (60" PIPE) - 1.00 EA \$2.015.00 \$2.015.0	25		1.00 EA	\$2,400.00	\$2,400.00
1.00 EA \$2.015.00 \$2.015	JJ .				
ADD PER CHANGE ORDER NO. 3 37 . CURB INLET DO3 - BIRDBATH INLET 48" UP (60" PIPE) - 8.07" DEEP 38 . CURB INLET DO4 - BIRDBATH INLET 42" UP (60" PIPE) - 7.49" DEEP 4.00 EA \$1,615.00 \$1,650.0 \$1,650.0 ADD PER CHANGE ORDER NO. 4 1.00 LS \$3,747.98 \$3,747.98 \$3,747.98 \$3,747.98 \$109,039. **Construction Costs:** **Soft Costs** **Engineering Design, Construction Admin: \$26,956.** Review Fee: \$1,297.** Legal: \$70. Fiscal: \$90. Interest: \$90. Total Soft Costs: \$29,039. **Total 120th Street Storm Sewer Costs: \$138,078. **(excluding Legal, Fiscal & Interest)**	26		1.00 EA	\$2,015.00	\$2,015.00
37. CURB INLET D03 - BIRDBATH INLET 48" UP (60" PIPE) - 8.07' DEEP 1.00 EA \$1,615.00 \$1,615.00 \$1,615.00 \$1,615.00 \$1,560.00 \$	30.			,	
38. CURB INLET D04 - BIRDBATH INLET 42" UP (60" PIPE) - 7.49" DEEP ADD PER CHANGE ORDER NO. 4 39. GABION BASKET MATERIAL Construction Costs: \$1,560.00 Soft Costs Engineering Design, Construction Admin: \$26,956. Testing: \$785. Review Fee: \$1,297. Legal: \$0.00 Fiscal: \$0.00 Interest: \$0.00 Total Soft Costs: \$29,039. Total 120th Street Storm Sewer Costs: \$138,078.	0.7		1 00 FA	\$1.615.00	\$1,615.00
ADD PER CHANGE ORDER NO. 4 39 . GABION BASKET MATERIAL Construction Costs:		CURB INLET DOS - BIRDDATH INLET 40° OF (60° PIPE) - 7.49° DEEP			\$1,560.0
39 . GABION BASKET MATERIAL 1.00 LS \$3,747.98 \$3,747.98 Construction Costs: \$109,039. 40.5% of total Storm Sewer Soft Costs Engineering Design, Construction Admin: \$26,956. Testing: \$785. Review Fee: \$1,297. Legal: \$0. Interest: \$0. Total Soft Costs: \$29,039. Total 120th Street Storm Sewer Costs: \$138,078.	38 .		1.00 2.1	* 1,	
Construction Costs: \$109,039. 40.5% of total Storm Sewer Soft Costs Engineering Design, Construction Admin: \$26,956. Testing: \$785. Review Fee: \$1,297. Legal: \$0. Fiscal: \$0. Interest: \$0. Total Soft Costs: \$29,039. Total 120th Street Storm Sewer Costs: \$138,078. (excluding Legal, Fiscal & Interest)	••		10015	\$3.747.98	\$3,747.98
### Application ### Applicat	39 .	GABION BASKET MATERIAL	1.50 20		
### Application ### Applicat			Construction Costs:		\$109.039.1
Engineering Design, Construction Admin: \$26,956. Testing: \$785. Review Fee: \$1,297. Legal: \$0. Fiscal: \$0. Interest: \$0. Total Soft Costs: \$29,039. Total 120th Street Storm Sewer Costs: \$138,078. (excluding Legal, Fiscal & Interest)				n Sewer	
Admin: \$26,956. Testing: \$785. Review Fee: \$1,297. Legal: \$0. Fiscal: \$0. Interest: \$0. Total Soft Costs: \$29,039. Total 120th Street Storm Sewer Costs: \$138,078. (excluding Legal, Fiscal & Interest)			Soft Costs	<u>.</u>	
Admin: \$26,956. Testing: \$785. Review Fee: \$1,297. Legal: \$0. Fiscal: \$0. Interest: \$0. Total Soft Costs: \$29,039. Total 120th Street Storm Sewer Costs: \$138,078. (excluding Legal, Fiscal & Interest)					
Testing: \$785. Review Fee: \$1,297. Legal: \$0. Fiscal: \$0. Interest: \$0. Total Soft Costs: \$29,039. Total 120th Street Storm Sewer Costs: \$138,078. (excluding Legal, Fiscal & Interest)			Engineerin	g Design, Construction	
Review Fee: \$1,297. Legal: \$0. Fiscal: \$0. Interest: \$0. Total Soft Costs: \$29,039. Total 120th Street Storm Sewer Costs: (excluding Legal, Fiscal & Interest)			Admin:		\$26,956.3
Legal: \$0. \$0. Fiscal: \$0. Fiscal: \$0. Fiscal: \$0. Fiscal: \$0. Fiscal: \$0. Fiscal: \$0. Fiscal: \$0. Fiscal: \$0. Fiscal: \$0. Fiscal: \$0. Fiscal:			Testing:		\$785.9
Fiscal: \$0. \$0.			Review Fee):	
Total Soft Costs: \$29,039. Total 120th Street Storm Sewer Costs: \$138,078. (excluding Legal, Fiscal & Interest)			Legal:		\$0.0
Total Soft Costs: \$29,039. Total 120th Street Storm Sewer Costs: \$138,078. (excluding Legal, Fiscal & Interest)			Fiscal:		\$0.0
Total 120th Street Storm Sewer Costs: \$138,078. (excluding Legal, Fiscal & Interest)			Interest:		\$0.0
(excluding Legal, Fiscal & Interest)			Total Soft Costs:		\$29,039.3
(excluding Legal, Fiscal & Interest)				a Conto	\$129,070
Sarpy County Reimbursable (1/3) \$46,026.					\$138,078.4
			Sarpy County Reimbursable (1/3)	•	\$46,026.

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

			Private & 120th Street (Engineering -	Private, 120th Street, Highway 370 (Testing, Review Fee)	120th St. & Highway 370 (Legal)
			Specials)	(resting, review ree)	(Logal)
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	Paying 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 P	roject 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

\$0, \$374,445, \$13,855, \$0, \$24,480,
\$13,855. \$0. \$24,480.
\$0. \$24,480.
\$24,480.
\$2,628.
\$4,370.
\$7,480
\$744.
\$2,760
\$8,720
\$15,039
\$41,669
\$6,369
\$5,128
\$0,120
\$2,658
\$5,534
\$61,360
\$515,883
-



PAVING SECTION 1 - 120TH STREET & RESIDENTIAL STREET ENTRANCES



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

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1.	7" CONCRETE PAVEMENT - TYPE L65	17,600	SY	\$25.55	\$449,680,00
2.	COMMON EARTH EXCAVATION	5.900		\$2.17	\$12,803,00
3.	FAULTY SUBGRADE - REMOVE AND REPLACE		CY	\$12,83	\$0.00
	CONSTRUCT CURB INLET		EA	\$2,977,70	\$23.821.60
4. 5	MOW STRIP		SF	\$6.34	\$0.00
6	MEDIAN SURFACING		SF	\$7.01	\$0.00
	CONSTRUCT TEMPORARY CURB AND GUTTER		LF	\$20,81	\$1,643,99
7.	ADJUST MANHOLE TO GRADE			*=	
8.	(1 SAN)	1	EA	\$204,54	\$204,54
9.	CONSTRUCT EXTERNAL FRAME SEAL		EA	\$451.79	\$451.79
10.	CONCRETE HÉADER		LF	\$13.70	\$438.40
	CONSTRUCT CUSTOM BARRICADE		ĒA	\$2,245.85	\$2,245.85
11 . 12 .	4" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED		LF	\$3.89	\$0.00
	8" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED		LF.	\$7.79	\$0.00
13 . 14 .	12" WHITE, PERMANENT PAVEMENT MARKING PAINT	170		\$2.09	\$355.30
	4" WHITE, PERMANENT PAVEMENT MARKING PAINT	1,419		\$0.43	\$610.17
15 .	JET EXISTING SEWER	850		\$0.97	\$824.50
16 .	SEEDING - TYPE "TEMPORARY SEED MIX"		AC	\$550.00	\$0.00
17.	CONSTRUCT 6" THICK TRAIL		SF	\$2.77	\$0.00
18 .			SF	\$5.11	\$0.00
19.	CONSTRUCT 4" SIDEWALK		SF	\$9.77	\$0.00
20 .	CONSTRUCT HANDICAP RAMP	•	O.	*****	
	PER CHANGE ORDER NO. 1	4,653	SY	\$14.60	\$67,933,80
21 .	FLYASH STABILIZATION	4,033	0.	V14.00	****
	PER CHANGE ORDER NO. 2	4,100	SY	\$5,61	\$23,001,00
22 .	9" CONCRETE PAVEMENT - TYPE L65 (COST INCREASE FROM 7" TO 9")		EA	\$15.00	\$750.00
23 .	DRILL AND GROUT 1" X 18" DOWEL BARS @ 12" O.C.	-		4,5.55	*******
	PER CHANGE ORDER NO. 3	1.046.00	SY	\$14.60	\$15,271,60
24 .	ADDITIONAL FLYASH STABILIZATION		LS	\$1.066.58	\$1,066,58
25 .	DRIVEWAY MANHOLE ADJUSTMENT		LS	\$1,290.00	\$1,290.00
26 .	DRIVEWAY GRADING		LO	V1,200.00	* .,
	PER CHANGE ORDER NO. 6	400	15	\$0.86	\$344.00
2 7 .	8" WHITE, PERMANENT PAVEMENT MARKING PAINT	943		\$12.65	\$11,928.95
28 .	12" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4 GROOVED	343		V12.00	-\$210.00
	LESS FAILED TESTS				
		Construction Costs:			\$614,455.07
			Estimated	Soft Costs	
			Engineerin	g Design,	\$122,157.50
			Testina:	• • •	\$8,610.94
			Review Fee	:	\$6,933.26
			Legal:		\$30,722.76
			Fiscal:		\$39,678,90
			Interest:		\$54,022.83
		Total Estimated Soft C			\$262,126,19

Total Estimated Costs:

\$876,581.26



PAVING SECTION 1 - HIGHWAY 370 IMPROVEMENTS

Assumptions/Comments: FINAL Highway 370 Decel Lane

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Tota
1	MOBILIZATION	1	LS	\$16,225.00	\$16,225.0
• ! .	CLEARING AND GRUBBING GENERAL	i	LS	\$2,159.85	\$2,159.8
		1,250	SY	\$5.53	\$6,912.5
	REMOVE PAVEMENT	600	SY	\$5,53	\$3,318,0
	REMOVE ASPHALT SURFACE	800	LF	\$4.05	\$3,240.0
	SAWING PAVEMENT	135	LF	\$14.40	\$1,944.0
	REMOVE CULVERT PIPE	25	SY	\$5.53	\$138.2
	REMOVE CONCRETE MEDIAN SURFACING				\$643.6
	REMOVE FLARED-END SECTION	3	EA	\$214.55	
	REMOVE SIGN AND POST	1	EA	\$185.75	\$185.7 \$483.8
	REMOVE AND RELOCATE MAILBOX	2	EA	\$241.91	
	REMOVE PULL BOX	3	EA	\$208.79	\$626.3
	REMOVE EXISTING 2" CONDUIT	675	LF	\$3.20	\$2,160.0
	EARTHWORK (EXCAVATION)	350	CY	\$4.80	\$1,680.0
	EARTHWORK (EMBANKMENT)	2,000	CY	\$6.48	\$12,960.6
	SUBGRADE PREPARATION (ROADWAY)	3,500	SY	\$2.00	\$7,000.
	10" DOWELED CONCRETE PAVEMENT, CLASS 47B-3500	2,239	SY	\$43.94	\$98,381.6
	FOUNDATION COURSE 4"	2,505	SY	\$7.05	\$17,660.2
	4" PERFORATED PIPE UNDERDRAIN	600	LF	\$7.70	\$4,620.0
	CONCRETE MEDIAN SURFACING, PLAN 301-R10	0	SY	\$68.28	\$0.0
		ī	ĒĀ	\$1,283.24	\$1,283.
	MEDIAN NOSE	100	LF	\$7.06	\$706.
	THICKENED EDGE PAVEMENT	0	LF	\$3.89	\$0.
	4" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED			\$4.46	\$2,163.
	5" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED	485	LF		
	8" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED	0	LF	\$7.79	\$0.
	12" WHITE, PERMANENT PAVEMENT MARKING PAINT	170	LF	\$1.05	\$178.
	LEFT ARROW, PREFORMED PAVEMENT MAKRING, TYPE 4, GROOVED	1	EA	\$396.00	\$396.
	PAINT MEDIAN NOSE	1	EA	\$396.00	\$396.
	SEEDING, TYPE "A"	0.00	AC	\$2,640.00	\$0.
	SEEDING, TYPE "B"	0,00	AC	\$2,640.00	\$0.
		0	LF	\$2.48	\$0.
	CONSTRUCT SILT FENCE	o.	SY	\$1,54	\$0.
	TURF REINFORCEMENT MAT - CLASS 1D	ő	SY	\$5.72	\$0.
	TURF REINFORCEMENT MAT - CLASS 2A	ŏ	LF	\$2.20	\$0.
	EROSION CHECKS, WATTLE	0		\$229.90	\$0.
	INLET PROTECTION	•	EA		\$0.
	STABILIZE TRENCH WITH CRUSHED LIMESTONE	0	TN	\$35.95	
	18" REINFORCED CONCRETE SEWER PIPE	253	LF	\$31.12	\$7,873
	24" REINFORCED CONCRETE SEWER PIPE	173	LF	\$43,18	\$7,470
:	24" FLARED-END SECTION	1	ÉΑ	\$994.54	\$994
	AREA INLET	1	EA	\$4,431.68	\$4,431
	CURB INLET 443-R8	2	EΑ	\$2,977.70	\$5,955
	MOUNTABLE CURB INLET	3	EA	\$5,878.90	\$17,636
• •		4	EA	\$266.35	\$1,065
	ADJUST MANHOLE TO GRADE	, 4	EA	\$102.27	\$409
	ADJUST VALVE TO GRADE	215	LF	\$1,38	\$296
	2/C #14 AWG DETECTOR LEAD-IN CABLE		EA	\$1,144.00	\$3,432
	PULL BOX PB-1	3		\$1,072.50	\$1,072
	PULL BOX PB-1A	1	EA		\$5,197
	2" CONDUIT PVC - TRENCHED	675	LF	\$7.70	
	3" CONDUIT PVC - TRENCHED	175	LF	\$25.03	\$4,380
	VEHICLE DETECTOR, TYPE A PREFORMED	8	ĘΑ	\$313,50	\$2,508
:	VEHICLE DETECTOR, TYPE B PREFORMED	6	EA	\$368.50	\$2,211
:	OPTICOM SYSTEM	1	EA	\$9,333.50	\$9,333
		3,200		\$0.61	\$1,952
١.	BARRICADE, TYPE II	450	BDAY	\$2.42	\$1,089
	BARRICADE, TYPE III	675	EA	\$0.88	\$594
	TEMPORARY SIGN DAY	1	EA	\$12,573.00	\$12,573
	TEMPORARY TRAFFIC SIGNAL	1		912,010.00	₩12,07¢
	PER CHANGE ORDER NO. 4			e2 002 00	\$3,803
	REMOVE AND RELOCATE LIGHT POLE AND BASE	1	LS	\$3,803.80	\$3,00
	PER CHANGE ORDER NO. 5				
	ARROW BOARD	56	DAYS	\$45.32	\$2,537
•	PER CHANGE ORDER NO. 6				
		169	LF	\$2.26	\$381
	PAINT REMOVAL		LS	\$870.00	\$870
	HIGHWAY CLOSURE				
		Construction Costs:			\$283,53
		21.0%	Of Total Pa	aving, Section I	
		100 0%	Of 120th S	treet and Paving Major	

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

Total Estimated Soft Costs:

\$145,662.59

Total Costs:

\$429,193.94

PAVING - GO TOTAL

			% of total Const. Cost	120th Street & Highway 370
				(Testing, Review Fee)
Tasks 050/350	Paving Section 2 - Minor (Private) Construction Cost - GO Allowable	\$0.00	0.0%	0.0%
Tasks 050/350	Paying Section 1 - 120th Street Construction Cost - GO Allowable	\$330,965.06	53.9%	53.9%
Tasks 055/355	Paying Section 1 - Highway 370 Construction Cost - GO Allowable	\$283,531.35	100.0%	46.1%
	Total Construction Costs - GO Allowable	\$614,496.41	45.4%	100.0%
Tasks 050/350	Paying Section 1 - 120th Street - GO Engineering	\$65,826.52		
Tasks 055/355	Highway 370 - GO Engineering	\$78,294.92		
	Total Engineering Design, Construction Admin GO Allowable	\$144,121.44		
	Testing GO Allowable:	\$8,611.52		
	Review Fee Allowable:	\$6,933.73		
	Legal GO Allowable:	\$30,724.83		
	Fiscal GO Allowable	\$40,777.93		
	Interest GO Allowable	\$ 55,711.25		
	GO - 120th Street (Less Reimursuables)	\$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	Quantity Unit	Unit Price	Total
1.	REMOVE TEMPORARY 15" HDPE DIVERSION	0 EA	\$100.00	\$0.00
2.	7" CONCRETE PAVEMENT - TYPE L6	0 SY	\$24.15	\$0.00
3.	COMMON EARTH EXCAVATION	0 CY	\$2.68	\$0.00
4	FAULTY SUBGRADE - REMOVE AND REPLACE	0 CY	\$12.00	\$0.00
5.	CONSTRUCT CURB INLET	0 EA	\$2,720.00	\$0.00
6.	MOW STRIP	0 SF	\$6.66	\$0.00
7.	CONSTRUCT TEMPORARY CURB AND GUTTER	0 LF	\$18.00	\$0.00
8.	ADJUST MANHOLE TO GRADE (23 SAN)	0 EA	\$190.00	\$0.00
9.	CONSTRUCT EXTERNAL FRAME SEAL	0 EA	\$340.00	\$0.00
10.	CONCRETE HEADER	0 LF	\$8.00	\$0.00
11 .	CONSTRUCT BARRICADE	0 EA	\$920.00	\$0.00
12.	JET EXISTING SEWER	0 LF	\$0.80	\$0.00
		Construction Costs: Soft Cost	s	\$0.00
		3511 2301	-	
		Engineeri	ng Design, ion Admin.	\$0.00
		Construct Legal:	ion Admin,	\$0.00
		Legal: Fiscal:		\$0.00
		Interest:		\$0.00
		merest	_	
		Total Soft Costs:	_	\$0.00
		Total Costs:	_	\$0.00

Approximate

Ashbury Farm - Final Plat 0112043.01-002 L:\Engineering\0112043\DESIGN DATA\

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



Assumptions/Comments:
FINAL
Intersection paving and extra width paving beyond 25'.

	Bid Item Description	Approximate Quantity Unit	Unit Price	Tota
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	\$0.0
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	\$0.0
9.	CONSTRUCT EXTERNAL FRAME SEAL	0 EA	\$451.79	\$0.0
10.	CONCRETE HEADER	32 LF	\$13.70	\$438.40
11.	CONSTRUCT CUSTOM BARRICADE	1 EA	\$2,245.85	\$2,245.8
12 .	4" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED	0 LF	\$3.89	\$0.0
	8" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4,			
13.	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	\$610.1
16 .	JET EXISTING SEWER	0 LF	\$0.97	\$0.0
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	\$0.0
20 .	CONSTRUCT HANDICAP RAMP	0 SF	\$9.77	\$0.0
21 .	PER CHANGE ORDER NO. 1 FLYASH STABILIZATION PER CHANGE ORDER NO. 2	4,653 SY	\$14.60	\$67,933.8
22 .	9" CONCRETE PAVEMENT - TYPE L65 (COST INCREASE FROM 7" TO 9")	4,100 SY	\$5.61	\$23,001.0
22 . 23 .	DRILL AND GROUT 1" X 18" DOWEL BARS @ 12" O.C. PER CHANGE ORDER NO. 3	50 EA	\$15.00	\$750.0
24 .	ADDITIONAL FLYASH STABILIZATION	1,046 SY	\$14.60	\$15,271.6
25 .	DRIVEWAY MANHOLE ADJUSTMENT	1 LS	\$1,066.58	\$1,066.5
26 .	DRIVEWAY GRADING	1 LS	\$1,290.00	\$1,290.0
20.	PER CHANGE ORDER NO. 6			\$0.0
28	8" WHITE, PERMANENT PAVEMENT MARKING PAINT 12" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4	400 SY	\$0.86	\$344.0
29	GROOVED LESS FAILED TESTS	943 SY	\$12.65	\$11,928.9 - \$2 10.0
		Construction Costs: 53.9% Of Total Soft Co	-	\$330,965.0
		Enginee	ring Design & ction Admin Fee:	\$65,826.6; \$4,638.1; \$3,734.4; \$16,548.2; \$21,372.3; \$29,098.4
		Total Soft Costs:		\$141,218.
		Total Allowable General Ob	ligation Costs:	\$472,183.1
		Total SID General Obligatio		\$214,346.

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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

		Approximate		
	Bid Item Description	Quantity Unit	Unit Price	Total
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 4" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4,	1 EA	\$2,245.85	\$2,245.85
12.	GROOVED	0 LF	\$3.89	\$0.00
	8" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4,		47.70	\$0.00
13.	GROOVED	0 LF	\$7.79	\$355.30
14.	12" WHITE, PERMANENT PAVEMENT MARKING PAINT	170 LF	\$2.09 \$0.43	\$355.30 \$610.17
15.	4" WHITE, PERMANENT PAVEMENT MARKING PAINT	1,419 LF		\$824.50
16.	JET EXISTING SEWER	850 LF	\$0.97	
	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	\$15,271.60
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	\$0.86	\$344,00
	12" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4			
30	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	
		Estimat	ed Soft Costs	
		Enginee	ring Design & CA	\$103,737.80
		Testing		\$7,312,53
		Review		\$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 Count 1/3 Estimated Construction C 1/3 Estimated Soft Costs:		\$173,934.51
		Engineering Design, Const Geotechnical & Testing		\$38,979.38
		Total Estimated Costs Sarr	ov County:	\$212,913.89

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Estimated 1/3 Contribution - Future East SID

Estimated 1/3 Contribution - Ashbury Farm SID

\$265,745.37 \$265,745.37

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 \$185.75
9.	REMOVE SIGN AND POST	1 2	EA EA	\$185.75 \$241.91	\$105.75 \$483.82
10 .	REMOVE AND RELOCATE MAILBOX	3	EA EA	\$208.79	\$626.37
11 .	REMOVE PULL BOX	675	LF	\$3.20	\$2,160.00
12 . 13 .	REMOVE EXISTING 2" CONDUIT 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,				
22 .	GROOVED	0	ĻF	\$3,89	\$0.00
	5" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4,				******
23 .	GROOVED	485	LF	\$4.46	\$2,163,10
	8" WHITE, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4,	_		47.70	\$0.00
24 .	GROOVED	0	LF	\$7.79	\$0.00 \$178.50
25 .	12" WHITE, PERMANENT PAVEMENT MARKING PAINT	170	LF	\$1.05	\$396,00
26 .	LEFT ARROW, PREFORMED PAVEMENT MAKRING, TYPE 4, GROOVED	1	EA EA	\$396.00 \$396.00	\$396.00
27 .	PAINT MEDIAN NOSE	0.00	AC	\$2,640.00	\$0.00
28 .	SEEDING, TYPE "A"	0.00	AC	\$2,640.00	\$0.00
29 .	SEEDING, TYPE "B"	0.00	LF	\$2.48	\$0.00
30 .	CONSTRUCT SILT FENCE TURF REINFORCEMENT MAT - CLASS 1D	0	SY	\$1.54	\$0.00
31. 32.	TURF REINFORCEMENT MAT - CLASS 2A	ō	SY	\$5.72	\$0.00
33 .	EROSION CHECKS, WATTLE	0	LF	\$2.20	\$0.00
34 .	INLET PROTECTION	0	EA	\$229.90	\$0.00
35 .	STABILIZE TRENCH WITH CRUSHED LIMESTONE	0	TN	\$35.95	\$0.00
36 .	18" REINFORCED CONCRETE SEWER PIPE	253	LF	\$31.12	\$7,873.36
37 .	24" REINFORCED CONCRETE SEWER PIPE	173	LF	\$43,18	\$7,470.14
38 .	24* FLARED-END SECTION	1	EA	\$994.54	\$994.54
39 .	AREA INLET	1	EA	\$4,431.68	\$4,431.68
40 .	CURB INLET 443-R8	2	EA	\$2,977.70	\$5,955.40
41 .	MOUNTABLE CURB INLET	3	EA	\$5,878.90	\$17,636.70 \$1,065.40
42 .	ADJUST MANHOLE TO GRADE	4	EA	\$266.35 \$103.37	\$409,08
43.	ADJUST VALVE TO GRADE	4 215	ÉA LF	\$102.27 \$1,38	\$296.70
44 .	2/C #14 AWG DETECTOR LEAD-IN CABLE	3	EA	\$1,144.00	\$3,432.00
45 .	PULL BOX PB-1	1	EA	\$1,072.50	\$1,072.50
46 .	PULL BOX PB-1A	675	LF	\$7.70	\$5,197.50
47. 48.	2" CONDUIT PVC - TRENCHED 3" CONDUIT PVC - TRENCHED	175	LF	\$25.03	\$4,380.25
48. 49.	VEHICLE DETECTOR, TYPE A PREFORMED	8	ĒΑ	\$313.50	\$2,508.00
50 .	VEHICLE DETECTOR, TYPE B PREFORMED	6	EA	\$368.50	\$2,211.00
51 .	OPTICOM SYSTEM	1	EA	\$9,333.50	\$9,333,50
52 .	BARRICADE, TYPE II	3,200		\$0.61	\$1,952.00
53 .	BARRICADE, TYPE III	450	BDAY	\$2.42	\$1,089.00
54 .	TEMPORARY SIGN DAY	675	EA	\$0.88	\$594.00
55 .	TEMPORARY TRAFFIC SIGNAL	1	EA	\$12,573.00	\$12,573.00
	PER CHANGE ORDER NO. 4			** ***	£2 803 00
56 .	REMOVE AND RELOCATE LIGHT POLE AND BASE	1	LS	\$3,803.80	\$3,803.80
	PER CHANGE ORDER NO. 5		DAVO	645.22	\$2,537.9
57 .	ARROW BOARD	56	DAYS	\$45.32	92,337.5
	PER CHANGE ORDER NO. 6	169		\$2.26	\$381.94
58. 59.	PAINT REMOVAL HIGHWAY CLOSURE		LS	\$870.00	\$870.00

Construction Costs	:	\$283,531.35
	Soft Costs	
	Engineering Design & Testing: Review Fee: Legal: Fiscal: Interest:	\$78,294.92 \$3,973.39 \$3,199.25 \$14,176.57 \$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

\$386,274.54

Total Ashbury Farm GO:

0112043.01-002



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 Sol	ft Costs	
		0.00% Engineering De 2.00% Legal: 5.00% Fiscal: 7.00% Interest: 6 Duration (Mont	_	\$0.00 \$7,247.02 \$18,479.91 \$13,582,74
		Total Estimated Soft Costs:	11%_	\$39,309.6
		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

		Approximate			
	Bid Item Description	Quantity	Unit	Unit Price	Total
4	6" CONCRETE TRAIL	45,240	SE	\$3.19	\$144,315.60
1.	4" CONCRETE TRAIL 4" CONCRETE SIDEWALK	9,500		\$3.05	\$28,975.00
2.		1,850		\$6.30	\$11,655.00
3.	CONSTRUCT MEDIAN SURFACING	908		\$18.00	\$16,344.00
4	CONSTRUCT HANDICAP RAMP		EA	\$90.00	\$5,760.00
5	CONSTRUCT DETECTABLE WARNING PANEL		EA	\$220.00	\$880.00
6	ADJUST MANHOLE TO GRADE		EA	\$240.00	\$1,440.00
7	ADJUST VALVE TO GRADE	-		•	\$5,760.00
8	ADJUST ELECTRICAL BOX TO GRADE	-	EA	\$960.00	\$7,944.00
9	COMMON EARTH EXCAVATION	1,324		\$6.00	
10	SUBGRADE PREPARATION	8,845		\$1.45	\$12,825.25
11	GENERAL GRADING AND SHAPING		LS	\$9,352.00	\$9,352.00
12	ROLLED EROSION CONTROL, TYPE II	1,000	SY	\$1.25	\$1,250.00
13	SEEDING - TYPE "IRRIGATED LAWN AND TURF SEED	3	AC	\$2,065.00	\$6,195.00
14	SEEDING - TYPE "DRAINAGEWAYS"		AC	\$1,250.00	\$1,250.00
15	STREET SIGN WITH DECORATIVE SWING-PROOF BR	, 24	EA	\$267.00	\$6,408.00
16	2" SQUARE BLACK METAL POSTS WITH DECORATIVE		EA	\$299.00	\$13,455.00
			EA	\$150.00	\$1,800.00
17	"STOP SIGN" (R1-1) 30"		EA	\$150.00	\$450.00
18	"SPEED LIMIT SIGN" (R2-1) 24" X 30"	-	EA	\$150.00	\$450.00
19	MOVEMENT "LEFT TURN ONLY" SIGN (R3-5L) 30" X 36	-	EA	\$150.00	\$300.00
20	MOVEMENT " LEFT-THRU-RIGHT" SIGN (R3-6) 30" X 4	C 4	EA	\$150.00	\$1,650.00
21	"KEEP RIGHT" SIGN (R4-7) 24" X 30"		EA	\$150.00 \$150.00	\$150.00
22	"LEFT LANE ENDS" SIGN (W4-2) 36" X 36"			\$150.00 \$150.00	\$150.00
23	"NO OUTLET" SIGN (W14-2) 30"X30"		EA	*	\$150.00
24	"PRIVATE DRIVE" SIGN 12" X 18"		EA	\$150.00	\$1,200.00
25	"PEDESTRIAN CROSSING" SIGN 30" X 30"		B EA	\$150.00	' '
26	"AHEAD" SIGN 24" X 12"		₽ EA	\$107.00	\$428.00
27	"DIAGONAL ARROW" SIGN (W16-7pL)		∤ EA	\$107.00	\$428.00
28	"NO PARKING" SIGN (R8-3a) 24" X 30"		5 EA	\$150.00	\$2,250.00
29	24" PREFORMED PAVEMENT MARKING TAPE PAVEM	IE 338	3 LF	\$23.50	\$7,943.00
	CONTINGENCY	10%	, o	\$291,157.85	\$29,115.79
		Estimated Co	nstruc	tion Costs:	\$320,273.64
			Estim	nated Soft Costs	
			_	eering Design,	
				truction Admin,	\$67,257.46
			% Legal		\$16,013.68
		5.009	% Fisca	1:	\$20,177.24
			% Intere		\$29,660.54
		1	2 Durat	ion (Months)	
		Total Estimat	ted Sof	t Costs:	42% \$133,108.93
		Total Estima	ted Cos	sts:	\$453,382.56



SIDEWALKS G.O.



Ashbury Farm - Final Plat

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
			.240 SF	\$3.19	\$144.315.60
1.	6" CONCRETE TRAIL		,240 SF ,500 SF	\$3.19 \$3.05	\$28,975.00
2.	4" CONCRETE SIDEWALK		,500 SF ,850 SF	\$6.30	\$11,655,00
3.	CONSTRUCT MEDIAN SURFACING	•	908 SF	\$18.00	\$16,344.00
4	CONSTRUCT HANDICAP RAMP		64 EA	\$90.00	\$5,760.00
5	CONSTRUCT DETECTABLE WARNING PANEL		4 EA	\$220.00	\$880.00
6	ADJUST MANHOLE TO GRADE		6 EA	\$240.00	\$1,440.00
7	ADJUST VALVE TO GRADE		6 EA	\$960.00	\$5,760.00
8	ADJUST ELECTRICAL BOX TO GRADE	1	,324 CY	\$6.00	\$7,944.00
9	COMMON EARTH EXCAVATION		.845 SY	\$1,45	\$12,825,25
10	SUBGRADE PREPARATION		1 LS	\$9,352.00	\$9,352.00
11	GENERAL GRADING AND SHAPING	1	.000 SY	\$1.25	\$1,250.00
12	ROLLED EROSION CONTROL, TYPE II	'	3 AC	\$2.065.00	\$6,195.00
13	SEEDING - TYPE "IRRIGATED LAWN AND TURF SEED		1 AC	\$1,250.00	\$1,250.00
14	SEEDING - TYPE "DRAINAGEWAYS"		24 EA	\$267.00	\$6,408.00
15	STREET SIGN WITH DECORATIVE SWING-PROOF BRACKET		45 EA	\$299.00	\$13,455.00
16	2" SQUARE BLACK METAL POSTS WITH DECORATIVE TOP CAP		12 EA	\$150.00	\$1,800.00
17	"STOP SIGN" (R1-1) 30"		3 EA	\$150.00	\$450.00
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"		2 EA	\$150.00 \$150.00	\$300.00
20	MOVEMENT " LEFT-THRU-RIGHT" SIGN (R3-6) 30" X 48"		11 EA	\$150.00 \$150.00	\$1,650.00
21	"KEEP RIGHT" SIGN (R4-7) 24" X 30"		11 EA	\$150.00 \$150.00	\$1,050.00
22	"LEFT LANE ENDS" SIGN (W4-2) 36" X 36"			\$150.00 \$150.00	\$150.00 \$150.00
23	"NO OUTLET" SIGN (W14-2) 30"X30"		1 EA	\$150.00 \$150.00	\$150.00
24	"PRIVATE DRIVE" SIGN 12" X 18"		1 EA 8 EA	\$150.00 \$150.00	\$1,200.00
25	"PEDESTRIAN CROSSING" SIGN 30" X 30"			\$107.00	\$428.00
26	"AHEAD" SIGN 24" X 12"		4 EA 4 EA	\$107.00	\$428.00
27	"DIAGONAL ARROW" SIGN (W16-7pL)		4 EA 15 EA	\$150.00	\$2,250.00
28	"NO PARKING" SIGN (R8-3a) 24" X 30"		ID EA	\$130.00	Ψ2,230.00
	24" PREFORMED PAVEMENT MARKING TAPE PAVEMENT MARKING -		338 LF	\$23.50	\$7,943.00
29	WHITE, TYPE 3		338 LF	\$23.30	φ1,040.00
	CONTINGENCY		10%	\$291,157.85	\$29,115.79
		Estimated Con	struction	Costs:	\$320,273.64
			<u>Esti</u>	mated Soft Costs	
		- !	.00% Adm 5.00% Lega 5.00% Fisc 7.00% Inter	al:	\$67,257.46 \$16,013.68 \$20,177.24 \$29,660.54
		Total Estimate		•	2% \$133,108.93
		Total Estimate			\$453,382.56
		Estimated Con (See Below)	tribution	- Future East SID to Trail	\$63,149.86

Estimated Contribution - Ashbury Farm SID

\$390,232.70

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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 Uni	t Unit Price	Total
1.	CONSTRUCT 6" THICK TRAIL	29,000 SF	\$2.77	\$80,330.00
2.	CONSTRUCT 4" SIDEWALK	0 SF	\$5.11	\$0.00
3.	CONSTRUCT HANDI-CAP RAMP	475 SF	\$9.77	\$4,640.75
4.	CONTINGENCY	5%		\$4,248.54
		Estimated Construction	ı Costs:	\$89,219.29
		<u>Est</u>	imated Soft Costs	
		Eng	jineering Design, Constructi	ion
		21.00% Adr	nin, Geotechnical & Testing	
		5.00% Leg		\$4,460.96
		5.00% Fise		\$5,620.82
		7.00% Inte		\$8,262.60
		12 D ur	ation (Months)	
		Total Estimated Soft Co	osts:	42% \$37,080.43
		Total Estimated Costs:		\$126,299.72
		Estimated 1/2 Contribu	tion - Future East SID	\$63,149.86
		Estimated 1/2 Contribu	tion - Ashbury Farm SID	\$63,149.86

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Assumptions/Comments:

LANDSCAPING

Boulevard Landscaping in 120th Street

				·····	
	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1.	CONSTRUCT IRRIGATION SYSTEM	99,750	SF	\$0.46	\$45,885.00
2	CONSTRUCT METER PIT	1	LS	\$10,950,00	\$10,950.00
	CONTINGENCY	10%		\$56,835.00	\$5,683.50
		Estimated Construct	tion Costs:		\$62,518.50
		!	Estimated	Soft Costs	
			Engineering	g Design, Construction	
			•	technical & Testing	\$15,629.63
		5,00%	Legal: Fiscal:		\$3,125.93 \$4,063.70
			Interest:		\$4,480.23
		9	Duration (M	lonths)	
		Total Estimated Soft	Costs:	44%_	\$27,299.48
		Total Estimated Cos	ts:	Г	\$89,817.98

PARKS AQUISITION

Assumptions/Comments:



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

	and wetlands is 0.08 ac and will be donated.				
	Bid Item Description	Approximate Quantity	Unit	Unit Price	Tota
1.	PARK ACQUISITION - OUTLOT F	2.92	AC	\$10,500.00	\$30,660.0
		Estimated Construct	ion Costs:		\$30,660.0
		!	Estimated	Soft Costs	
			Engineering	Design and	
				n Administration:	\$919.8
		2.00%	Legal:		\$613.2
		5.00%	Fiscal:		\$1,609.6
		7.00%	Interest:		\$2,366.1
		12	Duration (M	lonths)	
	•	Total Estimated Soft	t Costs:	189	% \$5,508.8
		Total Estimated Cos	its:		\$36,168.8



LANDSCAPING - G.O.

Assumptions/Comments:



Boulevard Landscaping in 120th Street

	Bid Item Description	Approximate Quantity Unit	Unit Price	Total
1.	CONSTRUCT IRRIGATION SYSTEM CONSTRUCT METER PIT	99750 SF 1 LS	\$0.46 \$10,950.00	\$45,885.00 \$10,950.00
2	CONTINGENCY	10%	\$56,835.00	\$5,683.50
		Estimated Construction Costs:		\$62,518.50
		Estimated	Soft Costs	
			g Design, Construction	
			technical & Testing	\$15,629.63
		5.00% Legal: 5.00% Fiscal:		\$3,125.93 \$4,063.70
		7.00% Interest:		\$4,480.23
		9 Duration (M	lonths)	
		Total Estimated Soft Costs:	44%_	\$27,299.48
		Total Estimated Costs:	Γ	\$89,817.98

PARKS ACQUISITION - G.O.

Assumptions/Comments:



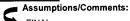
Outlot F is park land. Purchase price of land was 42,000. 50% max purchase price allows. Also not going to special any of this, so only seeking reimbursement of 50%. So unit price is 25% of 42,000 or \$10,500. Total lot area is 3.41 acresDrainageway 3:1 + 20 easement is approximaltey .41 acre and wetlands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

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Tota
1.	PARK ACQUISITION - OUTLOT F	2.92	AC	\$10,500.00	\$30,660.00
		Estimated Construct	tion Costs:		\$30,660.0
			Estimated	Soft Costs	
			Engineering	g Design and	
				on Administration:	\$919.8
			Legal: Fiscal:		\$613.2 \$1,609.6
			Interest:		\$2,366.1
			Duration (M	lonths)	
		Total Estimated Soft	Costs:	18	% \$5,508.8
		Total Estimated Cos	its:		\$36,168.8



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WATER INTERIOR



RUCT 8" I.D. WATER MAIN RUCT 6" I.D. WATER MAIN RUCT 12" M.J. GATE VALVE AND TEE ASSEMBLY RUCT 12" M.J. GATE VALVE AND BOX RUCT 12" M.J. GATE VALVE AND BOX RUCT 6" M.J. GATE VALVE AND BOX RUCT 6" M.J. GATE VALVE AND BOX RUCT 12" M.J. TEE ASSEMBLY AND BACKING BLOCK RUCT 12" ROSS RUCT 12" CROSS RUCT 12" CROSS RUCT 12" CROSS RUCT 12" 45 DEGREE VERTICAL BEND WITH BACKING BLOCK RUCT 12" X 25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK RUCT 12" X 25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK RUCT 12" X 25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK RUCT 12" X 25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK RUCT 12" X 25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK RUCT 12" X 25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK RUCT 12" X 25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK RUCT 12" X 25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK RUCT 12" X 25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK RUCT 12" X 25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK RUCT 12" X 25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK RUCT 12" X 25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK RUCT 12" X 25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK RUCT 12" X 25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK RUCT 12" X 25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK RUCT 12" X 25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK RUCT 12" X 25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK RUCT 12" X 25 REBULCER RUCT 12" X 25 REB	Unit Price	Unit	Approximate Quantity	Bid Item Description	
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RUCT 6" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK RUCT 6" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK RUCT 12" X 11.25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK RUCT 12" X 18" REDUCER RUCT 12" X 6" REDUCER RUCT 12" X 6" REDUCER RUCT 12" X 6" REDUCER RUCT 12" Y 10" EA RUCT 12" Y 10" EA RUCT 12" X 10" EA RUCT 12" X 10" EA RUCT 12" I I I I I I I I I I I I I I I I I I I	\$315.00	EA		CONSTRUCT 12" × 22 5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	17. 18.
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RUCT 12" PIPE PLUG 0 EA \$1,040.00 \$0.1 RARY SEEDING 0 EA \$290.00 \$1.2 X 1.0 X					22 .
RUCT 18" PIPE PLUG RUCT 18" PIPE PLUG RUCT 16"x16"x12" LIVE TAP TEE ASSEMBLY, 12" M.J. GATE VALVE WITH ND BACKING BLOCK IND JACK 20" STEEL CASING W/ 12" D.I.P. RARY SEEDING RARY SEEDING AC \$550.00 \$0. RARY SEEDING RARY SEEDING RANGE ORDER NO. 1 RUCT 12"X12"X12" M.J. TEE ASSEMBLY AND BACKING BLOCK RANGE ORDER NO. 1 RUCT 12"X12"X12" M.J. TEE ASSEMBLY AND BACKING BLOCK RANGE ORDER NO. 1 RUCT 12"X12"X12" M.J. TEE ASSEMBLY AND BACKING BLOCK RUCT 12"X12"X12" M.J. TEE ASSEMBLY AND BACKING BLOCK RUCT 12"X12"X12" M.J. TEE ASSEMBLY AND BACKING BLOCK	•		_		23 .
RUCT 16"x16"x12" LIVE TAP TEE ASSEMBLY, 12" M.J. GATE VALVE WITH ND BACKING BLOCK 1 EA \$5,320.00 \$5,320. ND JACK 20" STEEL CASING W/ 12" D.I.P. 160 LF \$260.00 \$41,600. 0 AC \$550.00 \$0. RARY SEEDING HANGE ORDER NO. 1 RUCT 12"X12"X12" M.J. TEE ASSEMBLY AND BACKING BLOCK 1 EA \$440.00 \$440.			-		24 .
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NND JACK 20 STEEL CASING WI 12 D.I.F. 0 AC \$550.00 \$0. RARY SEEDING 0 AC \$900.00 \$0. RANGE ORDER NO. 1 RUCT 12"X12"X12" M.J. TEE ASSEMBLY AND BACKING BLOCK 1 EA \$440.00 \$440.				BOX AND BACKING BLOCK	26 .
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IANGE ORDER NO. 1 RUCT 12"X12"X12" M.J. TEE ASSEMBLY AND BACKING BLOCK 1 EA \$440.00 \$440.	• • • • • • • • • • • • • • • • • • • •		-	MULCH	28
RUCT 12"X12"X12" M.J. TEE ASSEMBLY AND BACKING BLOCK 1 EA \$440.00 \$440.	\$900.00	AC	U	TEMPORARY SEEDING	29 .
RUCT 12"X12"X12 M.J. TEE ASSEMBLY AND BACKING BLOCK	0440.00			PER CHANGE ORDER NO. 1	
	\$440.00	EA	1	CONSTRUCT 12"X12"X12" M.J. TEE ASSEMBLY AND BACKING BLOCK	30.
HANGE ORDER NO. 2				PER CHANGE ORDER NO. 2	
RUCT TYPE II HYDRANT WITH VALVE BOX EXTENSION 2 EA \$4,190.00 \$8,380.				CONSTRUCT TYPE II HYDRANT WITH VALVE BOX EXTENSION	31.
	* - * -		-	CONSTRUCT TYPE VII HYDRANT	32 .
RUCT TYPE VII MODIFIED HYDRANT WITH BACKING BEAM 2 EA \$4,685.00 \$9,370.			_	CONSTRUCT TYPE VII MODIFIED HYDRANT WITH BACKING BEAM	33 .
RUCT 8" OPEN BORE 130 LF \$70.00 \$9,100	• • • • • •			CONSTRUCT 8" OPEN BORE	34 .
RUCT 12" OPEN BORE 50 LF \$40.00 \$2,000.	•			CONSTRUCT 12" OPEN BORE	35 .
RUCT 18" BOX EXTENSION 6 EA \$140.00 \$840.			6	CONSTRUCT 18" BOX EXTENSION	36 .
	\$500.00	LS	1	REMOVE AND REPLACE EMBANKMENT FOR CASING BORE	37 .
Construction Costs: \$402,927.		Costs:	Construction		
Soft Costs		Soft Costs			

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

Total Soft Costs:

\$167,844.80

Total Costs:

\$570,771.85

CAPITAL FACILITIES CHARGES



Assumptions/Comments:

Final - Phases 1 & 2

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1 2 3 3	CAPITAL FACILITIES CHARGES - RESIDENTIAL CAPITAL FACILITIES CHARGES - COMMERCIAL/MIXED USE CAPITAL FACILITIES CHARGES - OUTLOTS (B, C, D & F) CREDIT	110 44.520 7.44 25.00%	LOTS AC AC %	\$1,970.00 \$5,625.00 \$5,520.00 \$506,190.63	\$216,700.00 \$250,430.63 \$39,060.00 -\$126,547.65
		Construction (Costs:	osts	\$379,642.98
			Legal: Fiscal:	<u> </u>	\$7,592.86 \$20,504.23 \$46,794.03
		Total Soft Cos			\$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%

Tota	Unit Price	Unit Unit	Approximate Quantity	Bid Item Description
\$813,600.00	56,000.00	LS \$1,356,0	0.6	Contribution to City Infrastructure
\$813,600.0		nstruction Costs:	Estimated Cor	
		ted Soft Costs	Estima	
\$16,272.0 \$41,493.6 \$30,497.8	-	Legal: Fiscal: Interest: Duration (Months)	5.00% 7.00% l	
\$88,263.4	11%_	ed Soft Costs:	Total Estimate	
\$901,863.4		ed Costs:	Total Estimate	

WATER INTERIOR G.O.



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

Section Sect		Bid Item Description	Approximate Quantity Unit	Unit Price	Total
A. CONSTRUCT 12-LO MATER MAIN 0. LF 311-35 \$46,002.09 3. CONSTRUCT 91.D. WATER MAIN 0. LF 319-35 \$50.00 3. CONSTRUCT 91.D. WATER MAIN 0. LF 319-36 \$50.00 3. CONSTRUCT 91.D. WATER MAIN 0. LF 319-10 \$50.00 3. CONSTRUCT 91.D. WATER MAIN 0. LF 319-10 \$50.00 3. CONSTRUCT 92.D. WATER MAIN 1. CONSTRUCT 12-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-	1.	CONSTRUCT 12" I.D. WATER MAIN	418 LF	\$33.30	\$13,916.07
2. CONSTRUCT 81.D. WATER MAIN 3. CONSTRUCT 12.D. WATER MAIN 4. CONSTRUCT CONTINE TUBE 4. CONSTRUCT CONTINE TUBE 5. AND BOACH SLOCK 6. CONSTRUCT CONTINE TUBE 6. CONSTRUCT CONTINE TUBE 6. CONSTRUCT TYPORANT, GATE VALVE AND TEE ASSEMBLY 6. CONSTRUCT TYPORANT, GATE VALVE AND TEE ASSEMBLY 7. CONSTRUCT TYPORANT, GATE VALVE AND TEE ASSEMBLY 8. CONSTRUCT TYPORANT, GATE VALVE AND EXAMPLEY 8. CONSTRUCT TYPORANT, GATE VALVE AND EXAMPLEY 8. CONSTRUCT TYPORANT, GATE VALVE AND EXAMPLEY 8. CONSTRUCT TYPORANT, GATE VALVE AND BOX TOWN B			4,097 LF	\$11,35	\$46,502.09
CONSTRUCT DE OF MAIN HYDRANT, GATE VALVE AND TEE ASSEMBLY 5. AND BACKING BLOCK 6. CONSTRUCT TOWN AND HYDRANT, GATE VALVE AND TEE ASSEMBLY 7. CONSTRUCT TOWN AND AND AND AND ACKING BLOCK 7. CONSTRUCT TOWN AND AND ACKING BLOCK 8. A \$34,850.00 8. DO. ST. R. CONSTRUCT TOWN AND ACKING BLOCK 9. CONSTRUCT TOWN AND ACKING BLOCK 10. BLOCK 10. CONSTRUCT TOWN AND ACKING BLOCK 10. BLOCK 10. CONSTRUCT TOWN AND ACKING BLOCK 10. BLOCK 1		CONSTRUCT 8" I.D. WATER MAIN	0 LF	\$21.95	
CONSTRUCT END OF MAIN HYDRANT, GATE VALVE AND TEE ASSEMBLY AND BOROTING BLOCK CONSTRUCT TYPINARY, CATE VALVE AND TEE ASSEMBLY CONSTRUCT TYPINARY, CATE VALVE AND BOX CONSTRUCT TYPINARY, TEE ASSEMBLY AND BOX THING BLOCK CONSTRUCT TYPINARY, THE ASSEMBLY AND BOX THING BLOCK CONSTRUCT TYPINARY, THE ASSEMBLY AND BOX THING BLOCK CONSTRUCT TYPINARY, THE ASSEMBLY AND BOX THE ACKING BLOCK CONSTRUCT TYPINARY, THE ASSEMBLY AND BOX THE ACKING CONSTRUCT TYPINARY, THE ASSEMBLY AND BOX THE ACKING BLOCK CONSTRUCT TYPINARY, THE ASSEMBLY AND BOX THE ACKING BLOCK CONSTRUCT TYPINARY, THE ASSEMBLY AND THE ACKING BLOCK CONSTRUCT TYPINARY, THE ACKING BLOCK CONSTRUCT TYPINARY, THE ASSEMBLY AND THE ACKING BLOCK CONSTRUCT TYPINARY, THE ACKING THE ACKING BLOCK CONSTRUCT TYPINARY, THE ACKING THE ACKING BLOCK CONSTRUCT TYPINARY, THE ACKING THE ACK	3.	CONSTRUCT 6" I.D. WATER MAIN			
5. AND BACKING BLOCK CONSTRUCT IT WILL GATE VALVE AND TEE ASSEMBLY CONSTRUCT IT WILL GATE VALVE AND BOX BOX CONSTRUCT IT WILL GATE VALVE AND BOX BOX CONSTRUCT IT WILL GATE VALVE AND BOX	4		0 EA	\$1,850.00	\$0.00
CONSTRUCT I WORNATT, GATE VALVE AND TEE ASSEMBLY					***
7. CONSTRUCT 12" M.J. GATE VALVE AND BOX 8. CONSTRUCT 6" M.J. GATE VALVE AND BOX 9. CONSTRUCT 18" M.J. EAR SSEMBLY AND BACKING BLOCK 2. CA. \$112.00 11. CONSTRUCT 8" M.J. EAR SSEMBLY AND BACKING BLOCK 3. CA. \$288.00 8.00 11. CONSTRUCT 8" M.J. EAR SSEMBLY AND BACKING BLOCK 3. CA. \$288.00 8.00 12. CONSTRUCT 18" M.J. EAR SSEMBLY AND BACKING BLOCK 3. CA. \$288.00 8.00 13. CONSTRUCT 18" M.J. EAR SSEMBLY AND BACKING BLOCK 4. CA. \$288.00 8.00 8.00 14. CONSTRUCT 18" M.J. EAR SSEMBLY AND BACKING BLOCK 5. CONSTRUCT 12" M.J. GATE M.J. EAR SEMBLY AND BACKING BLOCK 6. CONSTRUCT 12" M.J. GATE M.J. EAR M.J. EAR SEMBLY AND BACKING BLOCK 6. CONSTRUCT 12" M.J. GATE H.J. EAR SEMBLY M.J. EAR					
8 CONSTRUCT 8" M. J. CATE VALVE AND BOX 0 EA \$31,110.00 50.00 10 CONSTRUCT 8" M. J. CER VALVE AND BOX 0 EA \$220.00 \$30.00 11 CONSTRUCT 8" M. J. TEE ASSEMBLY AND BACKING BLOCK 0 EA \$220.00 \$30.00 12 CONSTRUCT 8" M. J. TEE ASSEMBLY AND BACKING BLOCK 0 EA \$220.00 \$30.00 12 CONSTRUCT 8" M. J. TEE ASSEMBLY AND BACKING BLOCK 0 EA \$220.00 \$30.00 13 CONSTRUCT 8" M. J. TEE ASSEMBLY AND BACKING BLOCK 0 EA \$220.00 \$50.00 14 CONSTRUCT 8" M. J. TEE ASSEMBLY AND BACKING BLOCK 0 EA \$220.00 \$50.00 15 CONSTRUCT 1" 4" SPOERSE HORIZOLTAL BEND WITH BACKING 0 EA \$220.00 \$50.00 16 CONSTRUCT 1" 4" SPOERSE HORIZOLTAL BEND WITH BACKING 0 EA \$220.00 \$50.00 17 CONSTRUCT 1" 4" SPOERSE HORIZOLTAL BEND WITH BACKING 1 EA \$215.00 \$215.00 18 BLOCK 0 EA \$220.00 \$50.00 18 BLOCK 0 EA \$215.00 \$215.00 18 BLOCK 0 EA \$215.00 \$215.00 18 BLOCK 0 EA \$117.00 \$50.00 18 BLOCK 0 EA \$117.00 \$					
9 CONSTRUCT F W. J. CATE VALVE AND BOX 10 CONSTRUCT F 21/27 SW J. TEE ASSEMBLY AND BACKING BLOCK 2 EA 5152.00 304.00 11 CONSTRUCT 87-87-67 M. J. TEE ASSEMBLY AND BACKING BLOCK 3 EA 5265.00 305.00 12 CONSTRUCT 87-87-67 M. J. TEE ASSEMBLY AND BACKING BLOCK 4 EA 5265.00 305.00					
10 CONSTRUCT 12*2*X** M.J. TEE ASSEMBLY AND BACKING BLOCK 0 EA 3288.00 \$0.00 11 CONSTRUCT 5*2*S** M.J. TEE ASSEMBLY AND BACKING BLOCK 0 EA 3288.00 \$0.00 12 CONSTRUCT 5*2*S** M.J. TEE ASSEMBLY AND BACKING BLOCK 0 EA 3288.00 \$0.00 13 CONSTRUCT 12*3*C CROSS 2 EA 33300 \$678.00 14 CONSTRUCT 12*3*C CROSS 0 EA 3288.00 \$0.00 15 CONSTRUCT 12*3*C CROSS 0 EA 3288.00 \$0.00 16 CONSTRUCT 12*3*C DEGREE HORIZONTAL BEND WITH BACKING BLOCK 0 EA 3288.00 \$0.00 17 CONSTRUCT 12*3*C DEGREE HORIZONTAL BEND WITH BACKING BLOCK 0 EA 3288.00 \$0.00 18 CONSTRUCT 12**C 12*C 12*C 12*C 12*C 12*C 12*C 12*					*
CONSTRUCT \$*PW*PM* M.] TEE ASSEMBLY AND BACKING BLOCK					
CONSTRUCT SYSTEM M. J. TEE ASSEMBLY AND BACKING BLOCK 0 EA					
13. CONSTRUCT 12*CROSS 2 EA					\$0.00
14. CONSTRUCT 12" AS DEGREE HORIZONTAL BEND WITH BACKING DEA \$280.00 \$30.00			2 EA	\$339.00	\$678,00
15. CONSTRUCT 12" 45 DEGREE VERTICAL BEND WITH BACKING CONSTRUCT 12" 400 DEGREE HORIZONTAL BEND WITH BACKING BLOCK CONSTRUCT 12" 450 DEGREE HORIZONTAL BEND WITH BACKING 1 EA \$215.00			0 EA	\$298.00	\$0.00
CONSTRUCT 12" x 90 DEGREE HORIZONTAL BEND WITH BACKING 18. BLOCK CONSTRUCT 12" x 90 DEGREE HORIZONTAL BEND WITH BACKING 18. BLOCK CONSTRUCT 12" x 92.5 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 92.5 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 92.5 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 92.5 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 92.5 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 92.5 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 12.5 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING 21. BLOCK CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING 22. BLOCK CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING 23. CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING 24. CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING 25. CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 15" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK CONSTRUCT 15" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING BLOCK CONSTRUCT 15" x 11.25 DEGREE HORIZONTAL WITH VALVE BOX EXTENSION CONSTRUCT 15" x 11.25 DEGREE HORIZONTAL WITH VALVE BOX EXTENSION CONSTRUCT 15" x 11.25 DEGREE HORIZONTAL WITH BACKING BEAM CONSTRUCT 15" x 11.25 DEGREE HORIZONTAL WITH VALVE BOX EXTENSION CONSTRUCT 15" x 11.25 DEGREE HORIZONTAL WITH VALVE BOX EXTENSION CONSTRUCT 15" x 11.25 DEGREE HORIZONTAL WITH VALVE BOX EXTENSION CONSTRUCT 15" x 11.25 DEGREE HORIZONTAL WITH			0 EA	\$280.00	\$0.00
18					
CONSTRUCT 12" x 40 DEGREE HORIZONTAL BEND WITH BACKING A. BLOCK CONSTRUCT 12" x 45 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 21.25 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 12" x 8" REDUCER 2. BLOCK 2. BLOCK 2. BLOCK 2. CONSTRUCT 12" x 8" REDUCER 3. CONSTRUCT 12" x 8" REDUCER 3. CONSTRUCT 12" x 8" REDUCER 3. CONSTRUCT 12" x 12" x 12" DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 12" x 12" DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 12" x 12" DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 8" REDUCER 3. CONSTRUCT 12" x 12" x 12" DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 12" x 12" DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12" x 12" x 12" DEGREE HORIZONTAL BEND WITH BACKING 12" x 1	16.		2 EA	\$440.00	\$880.00
CONSTRUCT 12" x45 DEGREE HORIZONTAL BEND WITH BACKING 17. BLOCK CONSTRUCT 12" x22.5 DEGREE HORIZONTAL BEND WITH BACKING 18. BLOCK CONSTRUCT 12" x22.5 DEGREE HORIZONTAL BEND WITH BACKING 19. BLOCK CONSTRUCT 12" x12.5 DEGREE HORIZONTAL BEND WITH BACKING 19. BLOCK CONSTRUCT 12" x12.5 DEGREE HORIZONTAL BEND WITH BACKING 20. BLOCK CONSTRUCT 12" x12.5 DEGREE HORIZONTAL BEND WITH BACKING 21. BLOCK CONSTRUCT 12" x12.5 DEGREE HORIZONTAL BEND WITH BACKING 22. CONSTRUCT 12" x12.5 DEGREE HORIZONTAL BEND WITH BACKING 23. CONSTRUCT 12" x12.5 DEGREE HORIZONTAL BEND WITH BACKING 24. CONSTRUCT 12" x8" REDUCER 25. CONSTRUCT 12" x8" REDUCER 26. CONSTRUCT 12" x8" REDUCER 27. DEGREE 10. DEGREE		CONSTRUCT 12" x 90 DEGREE HORIZONTAL BEND WITH BACKING			
17. BLOCK CONSTRUCT 12" x 22 S DEGREE HORIZONTAL BEND WITH BACKING 18. BLOCK CONSTRUCT 6" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING 19. BLOCK CONSTRUCT 6" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING 20. BLOCK CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING 21. BLOCK CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING 22. CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING 23. CONSTRUCT 12" x 6" REDUCER 24. CONSTRUCT 12" x 6" REDUCER 25. CONSTRUCT 12" x 6" REDUCER 26. CONSTRUCT 12" x 6" REDUCER 27. CONSTRUCT 12" x 6" REDUCER 28. CONSTRUCT 12" x 6" REDUCER 29. CONSTRUCT 12" x 6" REDUCER 20. CONSTRUCT 12" x 6" REDUCER 20. CONSTRUCT 12" x 6" REDUCER 21. CONSTRUCT 6" PIPE PLUG 22. CONSTRUCT 6" PIPE PLUG 23. CONSTRUCT 6" PIPE PLUG 24. CONSTRUCT 6" PIPE PLUG 25. CONSTRUCT 6" PIPE PLUG 26. WITH BOX AND BACKING BLOCK 27. BONG AND BACKING BLOCK 28. WITH BOX AND BACKING BLOCK 39. DOX BACKING BLOCK 39. DOX BACKING BLOCK 39. DOX BACKING BLOCK 39. TEMPARAY SEEDING 39. TEMPARAY SEEDING 30. DOX BACKING BLOCK 31. DOX BACKING BLOCK 32. CONSTRUCT 12" CONDER NO. 2 31. CONSTRUCT 12" CONDER NO. 2 32. CONSTRUCT 12" DOX BACKING BLOCK 33. CONSTRUCT 12" DOX BACKING BLOCK 34. CONSTRUCT 12" DOX BACKING BLOCK 35. CONSTRUCT 12" DOX BACKING BLOCK 36. CONSTRUCT 12" DOX BACKING BLOCK 37. REMOVE AND REPLACE EMBANKMENT FOR CASING BORE 38. CONSTRUCT 12" DOPEN BORE 39. CONSTRUCT 12" DOX BACKING BLOCK 39. DOX BACKING BLOCK 39. CONSTRUCT 12" DOX BACKING BLOCK 39. DOX BACKING BLOCK	16A .	BLOCK	1 EA	\$215.00	\$215.00
CONSTRUCT 12" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING		CONSTRUCT 12" x 45 DEGREE HORIZONTAL BEND WITH BACKING			
BLOCK	17.	BLOCK	2 EA	\$77.00	\$154.00
CONSTRUCT 6"x 11.25 DEGREE HORIZONTAL BEND WITH BACKING 19. BLOCK CONSTRUCT 6"x 22.5 DEGREE HORIZONTAL BEND WITH BACKING 20. BLOCK CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING 21. BLOCK 22. CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING 22. CONSTRUCT 12" X 8" REDUCER 23. CONSTRUCT 12" X 8" REDUCER 24. CONSTRUCT 12" X 8" REDUCER 25. CONSTRUCT 12" X 8" REDUCER 26. CONSTRUCT 12" X 8" REDUCER 27. CONSTRUCT 12" X 8" REDUCER 28. CONSTRUCT 12" X 8" REDUCER 29. CONSTRUCT 12" X 8" REDUCER 29. CONSTRUCT 12" X 9" REDUCER 20. CONSTRUCT 12" X 9" REDUCER 20. CONSTRUCT 12" X 9" REDUCER 21. CONSTRUCT 12" X 9" REDUCER 22. CONSTRUCT 12" X 9" REDUCER 23. CONSTRUCT 12" X 9" REDUCER 24. CONSTRUCT 12" X 9" REDUCER 25. CONSTRUCT 12" X 9" REDUCER 26. WITH BOX AND BACKING BLOCK 27. BORE AND JACK 20" STEEL CASING W/ 12" D.I.P. 28. MULCH 29. TEMPORARY SEEDING 29. TEMPORARY SEEDING 29. TEMPORARY SEEDING 29. TEMPORARY SEEDING 20. CONSTRUCT 12" X 12" X 12" ERASSEMBLY AND BACKING BLOCK 20. CONSTRUCT 12" X 12" X 12" ERASSEMBLY AND BACKING BLOCK 21. CONSTRUCT 12" X 12" X 12" X 12" ERASSEMBLY AND BACKING BLOCK 22. CONSTRUCT 12" X		CONSTRUCT 12" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING			
19. BLOCK	18,	BLOCK	0 EA	\$117.00	\$0.00
CONSTRUCT 6" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING DICOR CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING LICOR CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING LICOR LICOR CONSTRUCT 12" X 8" REDUCER CONSTRUCT 15" PIPE PLUG CONSTRUCT 15" PIPE PLUG CONSTRUCT 15" PIPE PLUG CONSTRUCT 15" MATERIAL TO THE ASSEMBLY, 12" M.J. GATE VALVE LICOR AND LOCK 20" STEEL CASING WI 12" D.I.P. LICOR AND L		CONSTRUCT 6" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING			
20. BLOCK CONSTRUCT 12"X 11.25 DEGREE HORIZONTAL BEND WITH BACKING CONSTRUCT 12"X 9" REDUCER CONSTRUCT 12"X 12" M.J. GATE VALVE CONSTRUCT 16"X16"X12" LIVE TAP TEE ASSEMBLY, 12" M.J. GATE VALVE CONSTRUCT 16"X16"X12" LIVE TAP TEE ASSEMBLY, 12" M.J. GATE VALVE CONSTRUCT 16"X16"X12" LIVE TAP TEE ASSEMBLY, 12" M.J. GATE VALVE CONSTRUCT 16"X16"X12" LIVE TAP TEE ASSEMBLY, 12" M.J. GATE VALVE CONSTRUCT 16"X16"X12" LIVE TAP TEE ASSEMBLY, 12" M.J. GATE VALVE CONSTRUCT 16"X16"X12" LIVE TAP TEE ASSEMBLY AND BACKING BLOCK 16 CONSTRUCT 12"X12" M.J. TEE ASSEMBLY AND BACKING BLOCK 1 EA S172.00 \$17	19.	BLOCK	0 EA	\$55.00	\$0.00
CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING 21. BLOCK 22. CONSTRUCT 12" X 6" REDUCER 23. CONSTRUCT 12" X 6" REDUCER 24. CONSTRUCT 12" X 6" REDUCER 25. CONSTRUCT 12" X 6" REDUCER 26. CONSTRUCT 16" PIPE PLUG 27. CONSTRUCT 16" STORE THE PLUG 28. WITH BOX AND BACKING BLOCK 29. WITH BOX AND BACKING BLOCK 29. WITH BOX AND BACKING BLOCK 29. TEMPORARY SEEDING 30. CONSTRUCT 18" YITH YILL THE PLAY BE ASSEMBLY AND BACKING BLOCK 31. CONSTRUCT 12" YILL THE PLAY BE ASSEMBLY AND BACKING BLOCK 31. CONSTRUCT 12" YILL THE PLAY BE ASSEMBLY AND BACKING BLOCK 32. CONSTRUCT 12" YILL THE PLAY BE ASSEMBLY AND BACKING BLOCK 33. CONSTRUCT 12" YILL THE PLAY BE ASSEMBLY AND BACKING BLOCK 34. CONSTRUCT 12" YILL THE PLAY BE ASSEMBLY AND BACKING BLOCK 35. CONSTRUCT 13" YILL THE PLAY BOX EXTENSION 36. CONSTRUCT 13" YILL THE PLAY BOX EXTENSION 37. CONSTRUCT 13" YILL THE PLAY BOX EXTENSION 38. CONSTRUCT 13" YILL THE PLAY BOX EXTENSION 39. CONSTRUCT 13" YOFEN BORE 39. CONSTRUCT 13" OPEN BORE 39. CONSTRUCT 13" OP		CONSTRUCT 6" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING			
21. BLOCK 22. CONSTRUCT 12" X 8" REDUCER 3	20 .	BLOCK	0 EA	\$185.00	\$0,00
22. CONSTRUCT 12" X 8" REDUCER 23. CONSTRUCT 12" X 6" REDUCER 24. CONSTRUCT 12" X 6" REDUCER 25. CONSTRUCT 12" X 6" REDUCER 26. CONSTRUCT 15" Y 19FE PLUG 27. CONSTRUCT 15" Y 19FE PLUG 28. CONSTRUCT 15" Y 19FE PLUG 29. CONSTRUCT 15" Y 19FE PLUG 20. CONSTRUCT 15" Y 19FE PLUG 20. CONSTRUCT 15" Y 19FE PLUG 21. CONSTRUCT 15" Y 19FE PLUG 10 EA \$1,040.00 \$0.00 22. CONSTRUCT 15" Y 19FE PLUG 10 EA \$250.00 \$5.00 23. CONSTRUCT 15" X 10" X		CONSTRUCT 12" x 11.25 DEGREE HORIZONTAL BEND WITH BACKING			
23. CONSTRUCT 12" X6" REDUCER 24. CONSTRUCT 12" PIPE PLUG 25. CONSTRUCT 12" PIPE PLUG 26. WITH BOX AND BACKING BLOCK 27. BORE AND JACK 20" STEEL CASING W 12" D.I.P. 28. MULCH 29. TEMPORARY SEEDING 29. TEMPORARY SEEDING 29. TEMPORARY SEEDING 29. TEMPORARY SEEDING 30. CONSTRUCT 12" X12" X12" M.J. TEE ASSEMBLY AND BACKING BLOCK 31. CONSTRUCT 12" X12" X12" M.J. TEE ASSEMBLY AND BACKING BLOCK 32. CONSTRUCT 12" X12" X12" M.J. TEE ASSEMBLY AND BACKING BLOCK 33. CONSTRUCT 12" X12" X12" M.J. TEE ASSEMBLY AND BACKING BLOCK 31. CONSTRUCT 12" X12" X12" M.J. TEE ASSEMBLY AND BACKING BLOCK 32. CONSTRUCT 12" X12" X12" M.J. TEE ASSEMBLY AND BACKING BLOCK 33. CONSTRUCT 12" X12" X12" M.J. TEE ASSEMBLY AND BACKING BLOCK 34. CONSTRUCT 12" X12" X12" M.J. TEE ASSEMBLY AND BACKING BEAM 35. CONSTRUCT 17" X12" W.J. MORITOR WITH VALVE BOX EXTENSION 36. CONSTRUCT 17" X12" W.J. MORITOR W.J. W.J. W.J. W.J. W.J. W.J. W.J. W.J	21 .	BLOCK		*	
24. CONSTRUCT 12* PIPE PLUG 25. CONSTRUCT 12* PIPE PLUG 26. CONSTRUCT 12* PIPE PLUG 27. BORE AND JACK 20* STEEL CASING WI 12" D.I.P. 28. WITH BOX AND BACKING BLOCK 29. TEMPORARY SEEDING 29. TEMPORAR	22 .	CONSTRUCT 12" X 8" REDUCER			
25. CONSTRUCT 8" PIPE PLUG CONSTRUCT 8" PIPE PLUG CONSTRUCT 16" 16" 12" LIVE TAP TEE ASSEMBLY, 12" M.J. GATE VALVE CONSTRUCT 16" 16" 16" 12" LIVE TAP TEE ASSEMBLY, 12" M.J. GATE VALVE ENTIT BOX AND BACKING BLOCK 1	23.	CONSTRUCT 12" X 6" REDUCER			
CONSTRUCT 16"X16" LIVE TAP TEE ASSEMBLY, 12" M.J. GATE VALVE 26. WITH BOX AND BACKING BLOCK 27. BORE AND JACK 20" STEEL CASING W/ 12" D.I.P. 28. MULCH 29. TEMPORARY SEEDING 29. TEMPORARY SEEDING 30. CONSTRUCT 12"X12" M.J. TEE ASSEMBLY AND BACKING BLOCK 31. CONSTRUCT 12"X12" M.J. TEE ASSEMBLY AND BACKING BLOCK 32. CONSTRUCT 17"YEE VII HYDRANT WITH VALVE BOX EXTENSION 33. CONSTRUCT TYPE VII HYDRANT WITH VALVE BOX EXTENSION 34. CONSTRUCT TYPE VII HYDRANT WITH BACKING BEAM 35. CONSTRUCT TYPE VII MODIFIED HYDRANT WITH BACKING BEAM 36. CONSTRUCT 12" OPEN BORE 37. CONSTRUCT 12" OPEN BORE 38. CONSTRUCT 12" OPEN BORE 39. CONSTRUCT 18" BOX EXTENSION 30. CONSTRUCT 18" BOX EXTENSION 31. CONSTRUCT 18" BOX EXTENSION 32. CONSTRUCT 18" BOX EXTENSION 33. CONSTRUCT 18" BOX EXTENSION 34. CONSTRUCT 18" BOX EXTENSION 35. CONSTRUCT 18" BOX EXTENSION 36. CONSTRUCT 18" BOX EXTENSION 37. REMOVE AND REPLACE EMBANKMENT FOR CASING BORE 39. CONSTRUCT 18" BOX EXTENSION 40. CONSTRUCT 18" BOX EXTENSION 515. CONSTRUCT 18" BOX EXTENSION 516.06.66 516.06.66 517. Testing: 515.60.66 517. Testing: 515.60.66 517. S7, 690, 14 517. Testing: 517. S8, 50, 130, 04 517. Testing: 517. S8, 50	24 .	CONSTRUCT 12" PIPE PLUG			
26. WITH BOX AND BACKING BLOCK 27. BORE AND JACK 20" STEEL CASING W/ 12" D.I.P. 28. MULCH 29. TEMPORARY SEEDING 29. PER CHANGE ORDER NO. 1 30. CONSTRUCT 12"X12"X12" M.J. TEE ASSEMBLY AND BACKING BLOCK 31. CONSTRUCT 12"X12"X12" M.J. TEE ASSEMBLY AND BACKING BLOCK 32. CONSTRUCT TYPE II HYDRANT WITH VALVE BOX EXTENSION 33. CONSTRUCT TYPE II HYDRANT WITH VALVE BOX EXTENSION 34. CONSTRUCT TYPE VII HODGHED HYDRANT WITH BACKING BEAM 35. CONSTRUCT TYPE VII HODGHED HYDRANT WITH BACKING BEAM 36. CONSTRUCT TYPE VII MODELED HYDRANT WITH BACKING BEAM 37. CONSTRUCT 12" OPEN BORE 38. CONSTRUCT 12" OPEN BORE 39. CONSTRUCT 12" OPEN BORE 39. CONSTRUCT 12" OPEN BORE 39. CONSTRUCT 18" BOX EXTENSION 39. CONSTRUCT 18" BOX EXTENSION 30. CONSTRUCT 18" BOX EXTENSION 30. CONSTRUCT 18" BOX EXTENSION 30. CONSTRUCT 18" BOX EXTENSION 31. REMOVE AND REPLACE EMBANKMENT FOR CASING BORE 39. CONSTRUCT 18" BOX EXTENSION 39. CONSTRUCT 18" BOX EXTENSION 30. CONSTRUCT 18" BOX EXTENSION 30. CONSTRUCT 18" BOX EXTENSION 31. REMOVE AND REPLACE EMBANKMENT FOR CASING BORE 39. CONSTRUCT 18" BOX EXTENSION 30. CONSTRUCT 18" BOX EXTENSION 31. REMOVE AND REPLACE EMBANKMENT FOR CASING BORE 39. CONSTRUCT 18" BOX EXTENSION 39. CONSTRUCT 18" BOX EXTENSION 30. CONSTRUCT 18" BOX EXTENSION 30. CONSTRUCT 18" BOX EXTENSION 30. CONSTRUCT 18" BOX EXTENSION 31. REMOVE AND REPLACE EMBANKMENT FOR CASING BORE 39. CONSTRUCT 18" BOX EXTENSION 39. CO	25 .		. 0 EA	\$290.00	\$0.00
27. BORE AND JACK 20" STEEL CASING W/ 12" D.I.P. 160 LF \$280.00 \$41,600.00 \$0.00 \$10.0			4 54	65 330 00	\$5.320.00
MULCH					
29 TEMPORARY SEEDING PER CHANGE ORDER NO. 1 30 CONSTRUCT 12"X12"X12" M.J. TEE ASSEMBLY AND BACKING BLOCK PER CHANGE ORDER NO. 2 31 CONSTRUCT 17PE II HYDRANT WITH VALVE BOX EXTENSION 32 CONSTRUCT 17PE VII HYDRANT 33 CONSTRUCT TYPE VII MODIFIED HYDRANT WITH BACKING BEAM 34 CONSTRUCT 19" VII MODIFIED HYDRANT WITH BACKING BEAM 35 CONSTRUCT 12" OPEN BORE 36 CONSTRUCT 12" OPEN BORE 37 CONSTRUCT 18" BOX EXTENSION 38 CONSTRUCT 18" BOX EXTENSION 39 CONSTRUCT 18" BOX EXTENSION 30 CONSTRUCT 18" BOX EXTENSION 31 REMOVE AND REPLACE EMBANKMENT FOR CASING BORE CONSTRUCT 18" BOX EXTENSION TESTING: TESTING					
PER CHANGE ORDER NO. 1 30 CONSTRUCT 12"X12" M. J. TEE ASSEMBLY AND BACKING BLOCK PER CHANGE ORDER NO. 2 31 CONSTRUCT 12"X12" M. J. TEE ASSEMBLY AND BACKING BLOCK 32 CONSTRUCT TYPE II HYDRANT WITH VALVE BOX EXTENSION 33 CONSTRUCT TYPE VII HYDRANT 34 CONSTRUCT TYPE VII HYDRANT WITH BACKING BEAM 36 CONSTRUCT 12" OPEN BORE 37 CONSTRUCT 12" OPEN BORE 38 CONSTRUCT 12" OPEN BORE 39 CONSTRUCT 12" OPEN BORE 30 CONSTRUCT 12" OPEN BORE 30 CONSTRUCT 12" OPEN BORE 31 CONSTRUCT 12" OPEN BORE 32 CONSTRUCT 12" OPEN BORE 33 CONSTRUCT 12" OPEN BORE 34 S140.00 35 CONSTRUCT 12" OPEN BORE 36 CONSTRUCT 12" OPEN BORE 37 REMOVE AND REPLACE EMBANKMENT FOR CASING BORE 38 CONSTRUCT 12" OPEN BORE 39 CONSTRUCT 12" OPEN BORE 40 CONSTRUCT 12" OPEN BORE 50 LF 50 LF 540.00 52.00 52.00 52.00 53 CONSTRUCT 12" OPEN BORE 50 LF 540.00 52.00 52.00 53 CONSTRUCT 12" OPEN BORE 50 LF 540.00 52.00 52.00 52.00 53 CONSTRUCT 12" OPEN BORE 50 LF 540.00 52.00 52.00 53 CONSTRUCT 12" OPEN BORE 50 LF 540.00 52.00 52.00 53 CONSTRUCT 12" OPEN BORE 50 LF 540.00 52.00 52.00 52.00 53 CONSTRUCT 12" OPEN BORE 50 LF 540.00 52.00 52.00 52.00 53 CONSTRUCT 12" OPEN BORE 51 LS 440.00 52.00 52.00 52.00 53 CONSTRUCT 12" OPEN BORE 51 LS 440.00 52.00 52.00 53 CONSTRUCT 12" OPEN BORE 51 LS 440.00 52.00 52.00 53 CONSTRUCT 12" OPEN BORE 51 LS 440.00 52.00 52.00 53 CONSTRUCT 12" OPEN BORE 54 LS 440.00 52.00 52.00 53 CONSTRUCT 12" OPEN BORE 54 LS 440.00 54 LS 45.685.00 55 LS 45.685.00 56 LS 45.685.00 57 LS 45.685.00 57 LS 45.685.00 58 LS 45.685.00 5					
30 . CONSTRUCT 12"X12" M.J. TEE ASSEMBLY AND BACKING BLOCK PER CHANGE ORDER NO. 2 31 . CONSTRUCT TYPE II HYDRANT WITH VALVE BOX EXTENSION 0 EA \$4,190.00 \$0	29 .		U AC	\$300.00	40.00
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 MYDRANT 0 EA \$4,885.00 \$0.00 33 CONSTRUCT TYPE VII MYDRANT WITH BACKING BEAM 0 EA \$4,685.00 \$0.00 34 CONSTRUCT 8" OPEN BORE 0 LF \$70.00 \$0.00 35 CONSTRUCT 12" OPEN BORE 50 LF \$40.00 \$2.000.00 36 CONSTRUCT 18" BOX EXTENSION 0 EA \$140.00 \$0.00 37 REMOVE AND REPLACE EMBANKMENT FOR CASING BORE 1 LS \$500.00 \$500.00 **Construction Costs: \$120.261.16** **Estimated Soft Costs** **Engineering Design, Construction Admin: \$15,606.65** **Review Fee: \$1,252.45** **Legal: \$6,013.45** **Interest: \$7,690.14** Interest: \$7,690.14** Interest: \$11,828.44** **Total Construction Costs			1 FA	\$172.00	\$172.00
31 CONSTRUCT TYPE II HYDRANT WITH VALVE BOX EXTENSION 0 EA \$4,190.00 \$0.00 32 CONSTRUCT TYPE VII HYDRANT 30 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 12° 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 CONSTRUCT 18° BOX EXTENSION 0 EA \$140.00 \$0.00 Estimated Soft Costs CONSTRUCT 18° BOX EXTENSION 1 LS \$500.00 \$500.00 CONSTRUCT 18° BOX EXTENSION 1 LS \$500.00 CONSTRUCT 18°	30 .		. 27	J., 2,00	
Section Sect	24		0 EA	\$4,190.00	\$0.00
33 . CONSTRUCT TYPE VII MODIFIED HYDRANT WITH BACKING BEAM 0 EA \$4,685.00 \$0.00 34 . CONSTRUCT 12" OPEN BORE 50 LF \$70.00 \$2.000.00 35 . CONSTRUCT 12" OPEN BORE 50 LF \$40.00 \$2.000.00 36 . CONSTRUCT 18" BOX EXTENSION 0 EA \$140.00 \$0.00 37 . REMOVE AND REPLACE EMBANKMENT FOR CASING BORE 1 LS \$500.00 \$500.00 Construction Costs: \$120,261.16 Estimated Soft Costs Engineering Design, Construction Admin: \$15,606.66 Testing: \$0.00 Review Fee: \$1,252.4 Legal: \$6,013.00 Fiscal: \$7,690.14 Interest: \$11,828.46					\$0,00
34 . CONSTRUCT 8" OPEN BORE 50 LF \$70.00 \$2,000.00 35 . CONSTRUCT 18" BOX 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 Construction Costs: \$120,261.16 Estimated Soft Costs Engineering Design, Construction Admin: \$15,606.66 Testing: \$0.00 Review Fee: \$1,252.45 Legal: \$6,013.06 Fiscal: \$7,690.14 Interest: \$11,828.46					\$0.00
35 . CONSTRUCT 12" OPEN BORE 50 LF \$40.00 \$2,000.00 36 . CONSTRUCT 18" BOX EXTENSION 0 EA \$140.00 \$5.000.00 37 . REMOVE AND REPLACE EMBANKMENT FOR CASING BORE 1 LS \$500.00 \$5.0			0 LF	\$70.00	\$0.00
36 CONSTRUCT 18" BOX EXTENSION 37 . REMOVE AND REPLACE EMBANKMENT FOR CASING BORE 1 LS \$500.00 \$500.00 Construction Costs: \$120.261.16 Estimated Soft Costs Engineering Design, Construction Admin: \$15,606.66 Testing: \$0.00 Review Fee: \$1,252.45 Legal: \$6,013.06 Fiscal: \$7,690.14 Interest: \$11,828.46			50 LF	\$40.00	\$2,000.00
37 . REMOVE AND REPLACE EMBANKMENT FOR CASING BORE Construction Costs: Estimated Soft Costs			0 EA	\$140.00	\$0.00
Engineering Design, Construction Admin: \$15,606,66 Testing: \$0.00 Review Fee: \$1,252,42 Legal: \$6,013.06 Fiscal: \$7,690,14 Interest: \$11,828,44			1 LS	\$500.00	\$500.00
Engineering Design, Construction Admin: \$15,606.66 Testing: \$0.00 Review Fee: \$1,252.42 Legal: \$6,013.06 Fiscal: \$7,690.14 Interest: \$11,828.44			Construction Costs:		\$120,261.16
Admin: \$15,606.66 Testing: \$0.00 Review Fee: \$1,252.45 Legal: \$6,013.06 Fiscal: \$7,690.14 Interest: \$11,828.46			Estimated	I Soft Costs	
Admin: \$15,606.66 Testing: \$0.00 Review Fee: \$1,252.45 Legal: \$6,013.06 Fiscal: \$7,690.14 Interest: \$11,828.46					
Admin: \$15,606.66 Testing: \$0.00 Review Fee: \$1,252.45 Legal: \$6,013.06 Fiscal: \$7,690.14 Interest: \$11,828.46			Engineerir	ng Design, Construction	
Review Fee: \$1,252.42 Legal: \$6,013.00 Fiscal: \$7,690.14 Interest: \$11,828.40				-	\$15,606.69
Legal: \$6,013.06 Fiscal: \$7,690.14 Interest: \$11,828.46					\$0.00
Fiscal: \$7,690.14 Interest: \$11,828.40				e:	\$1,252.42
Interest: \$11,828.4					\$6,013.06
					\$7,690.14
Total Soft Costs: \$42,390.7:			Interest:		\$11,828.40
			Total Soft Costs:		\$42,390.72

Total Costs:

\$162,651.87

CAPITAL FACILITIES CHARGES - COMMERCIAL



_ Assumptions/Comments:

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

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1 . 2 . 3 . 3 .	CAPITAL FACILITIES CHARGES - RESIDENTIAL CAPITAL FACILITIES CHARGES - COMMERCIAL/MIXED USE CAPITAL FACILITIES CHARGES - OUTLOTS (B, C, D & F) CREDIT (Pro-rated share)	44.520	LOTS AC AC %	\$1,970.00 \$5,625.00 \$5,520.00 -\$126,547.65	\$0.00 \$250,425.00 \$0.00 -\$62,607.65
		Construction Costs:	ed Soft C	osts	\$187,817.35
		F	_egal: Fiscal: terest:		\$3,756.46 \$10,144.18 \$23,150.68
		Total Soft Costs:			\$37,051.32
		Total Costs:			\$224,868.66
		Total Private Costs (5	i0%):		\$112,434.33

City Infrastructure Contribution - G.O.



Assumptions/Comments:

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

	Bid Item Description	Approximate Quantity	Unit	Unit Price		Total
1.	Contribution to City Infrastructure	0.6	LS	\$1,356,000.00		\$813,600.00
		Estimated Construc	tion Cost	s:		\$813,600.00
			Estimate	d Soft Costs		
		5.00% 7.00%	Legal: Fiscal: Interest: Duration (Months)	_	\$16,272.00 \$41,493.60 \$30,497.80
		Total Estimated Sof	t Costs:		11%	\$88,263.40
		Total Estimated Co	sts:			\$901,863.40



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 De Admin: Legal: Fiscal: Interest:	esign, Construction	\$13,650.00 \$1,091.20 \$3,599.48 \$6,891.99
		Total Soft Costs:		\$25,232.67
		Total Costs:		\$79,792.67

POWER

Assumptions/Comments:

Future Phase

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



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DECORATIVE STREET LIGHTS

Ashbury Farm - Final Plat



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 Legal: Fiscal: Interest:	Design and	\$11,513.70 \$2,378.00 \$6,779.35 \$10,609.38
		Total Soft Costs:			\$31,280.43
		Total Costs:			\$150,180.43



CIVIL DEFENSE SIREN



	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1.	Civil Defense Siren	1	LS	\$30,000.00	\$30,000.00
	Es	timated Construc	ction Costs:		\$30,000.00
			Estimated S	Soft Costs	
•			Engineering	Design, Construction	
			-	echnical & Testing	\$7,500.00
		5.00%	Legal:	_	\$1,500.00
		5.00%	Fiscal:		\$1,950.00
		7.00%	Interest:		\$1,433.25
		6	Duration (Mo	onths)	
	То	tal Estimated So	ft Costs:	41%	\$12,383.25
	To	tal Estimated Co	sts:		\$42,383.25

S.I.D. Cost Estimate

Ashbury Farm - Phase 2 112043.22 SID No. 293 9/10/2015

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

Phase 2

Proposed Improvement	Quantity	Unit	Construction Cost	Total Cost	General Obligation	Special	Future SID Reimbursable	City of Papillion Reimbursable	Sarpy County Reimbursable	Private
SANITARY SEWER Interior	3181	LF	\$292,400.00	\$413,900.00	\$162,300.00	\$251,600.00	\$0.00	\$0.00	\$0.00	\$0.00
STORM SEWER	2016	LF	\$116,200.00	\$169,700.00	\$169,700.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PAVING Minor	10150	SY	\$340,200.00	\$473,800.00	\$79,900.00	\$393,900 .00	\$0.00	\$0.00	\$0.00	\$0.00
SIDEWALKS	1830	SF	\$12,700.00	\$18,600.00	\$18,600.00	\$0 .00	\$0.00	\$0.00	\$0.00	\$0.00
LANDSCAPING	0	LS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
REGULATORY SIGNS	21	EA	\$15,200.00	\$21,900.00	\$21,900.00	\$0,00	\$0.00	\$0.00	\$0.00	\$0.00
PARKS ACQUISITION	0.00	AC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WATER Interior	5300	LF	\$357,700.00	\$498,100.00	\$198,800.00	\$299,300.00	\$0.00	\$0,00	\$0.00	\$0.00
Capital Facilities Charge	0	Lots	\$0.00	\$0.00	\$0.00	\$0 .00	\$0.00	\$0.00	\$0.00	\$0.00
POWER Residential Service	48	Lots	\$64,800.00	\$93,100.00	\$0.00	\$93,100 .00	\$0.00	\$0.00	\$0.00	\$0.00
Commercial Service	0	AC	\$0,00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Decorative Street Lights	16	EA	\$32,800.00	\$37,400.00	\$37,400.00	\$0.00				
CIVIL DEFENSE SIREN	0	LS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PLAN REVIEW FEE	1	%	\$11,200.00	\$12,600.00	\$6,600.00	\$6,000.00	\$0.00	\$0.00	\$0.00	\$0.00

Total \$1,243,200.00 \$1,739,100.00 \$695,200.00 \$1,043,900.00 \$0.00 \$0.00 \$0.00



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DEBT RATIO

ASSUMPTIONS

Average market Value Per Residential Lot = \$85,000.00

(land value only)

Average market Value Per Residential Lot (Improvements) = \$\frac{\$415,000.00}{}\$

(improvement value only)

= \$8.00

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

ASSESSABLE VALUATION

Commercial Land Value per square foot

Residential Lot 48 Units = \$85,000.00 = \$4,080,000.00

Residential Improvements 48 Units = \$415,000.00 = \$19,920,000.00

Commercial Land 0.00 AC = \$348,480.00 = \$0.00

Commercial Building (20% of Lot Area) 0 SF = \$85.00 = \$0.00

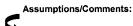
Total 100% Valuation = \$24,000,000.00

Total 95% Valuation = \$22,800,000.00

DEBT RATIO = 3.05%



SANITARY SEWER - INTERIOR

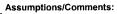


	Bid Item Description	Approximate Quantity Unit	Unit Price	Total
1	CLEARING AND GRUBBING GENERAL	1.00 LS	\$5,000.00	\$5,000.00
2.	CONSTRUCT 6" SANITARY SEWER PIPE	1207 LF	\$15.00	\$18,103.63
3	CONSTRUCT 8" SANITARY SEWER PIPE	3181 LF	\$16.00	\$50,896.00
4	CONSTRUCT 4" FORCE MAIN	860 LF	\$20.00	\$17,200.00
4	CONSTRUCT 54" I.D. SANITARY MANHOLE (12 EA)	173 VF	\$275.00	\$47,575.00
5	CONSTRUCT MANHOLE RING COLLAR	1 EA	\$350.00	\$350.00
6	CONSTRUCT EXTERNAL FRAME SEAL	1 EA	\$400.00	\$400.00
7	EXCAVATION FOR EXTRA DEEP SANITARY SEWER	250 VF-LF	\$10.00	\$2,500.00
8	CONSTRUCT 8" X 6" WYE	51 EA	\$100.00	\$5,100.00
9	CONSTRUCT 8" PIPE PLUG	0 EA	\$250.00	\$0.00
10	CONSTRUCT MANHOLE STUBOUT	1 EA	\$100.00	\$100.00
12	CONSTRUCT 6" PIPE BEDDING	1207 LF	\$5.00	\$6,034.54
13	CONSTRUCT 8" PIPE BEDDING	3181 LF	\$5.50	\$17,495.50
14	STABILIZE TRENCH W/ CRUSHED LIMESTONE	100 TN	\$25.00	\$2,500.00
15	INSTALL VACUUM PRIME LIFT STATION	1 EA	\$20,000.00	\$20,000.00
16	CONSTRUCT 72" I.D. LIFT STATION MANHOLE (1 EA)	16 VF	\$800.00	\$12,800.00
17	INSTALL METER PANEL AND WIRING	1 EA	\$11,000.00	\$11,000.00
18	INSTALL GENERATOR	1 EA	\$20,000.00	\$20,000.00
19	CONSTRUCT GENERATOR PAD	1 EA	\$2,100.00	\$2,100.00
20	CONSTRUCT 6' TALL CHAIN LINK FENCE	110 LF	\$75.00	\$8,250.00
21	CONSTRUCT ROCK SURFACING	50 TN	\$25.00	\$1,250.00
22	CONSTRUCT SILT FENCE	500 LF	\$3,00	\$1,500.00
23	CLEANOUT SILT FENCE	500 LF	\$1.25	\$625.00
24	CLEANOUT SILT BASIN	500 CY	\$3.00	\$1,500.00
25	SEEDING - TYPE "TEMPORARY SEED MIX"	0.50 AC	\$500.00	\$250.00
26	HAY OR STRAW MULCH	0.50 AC	\$450.00	\$225.00
27	ROLLED EROSION CONTROL, TYPE II	500 SY	\$3.00	\$1,500.00
28	CONTINGENCY	15 %		\$38,138.20
		Estimated Construction Costs	:	\$292,392.88
		Estimated	Soft Costs	
		Engineerin	g Design and	
		19.00% Constructi	on Administration:	\$55,554.65
		2.00% Geotechnic	cal and Testing:	\$5,847.86
		5.00% Legal :		\$14,619.64
		5.00% Fiscal:		\$18,420.75
		7.00% Interest: 12 Duration (I	Months)	\$27,078.50
		Total Estimated Soft Costs:		42% \$121,521.40

Total Estimated Costs:

\$413,914.28

SANITARY SEWER - INTERIOR G.O.





Temporary Lift Station & Force Main

	Bid Item Description	Approximate Quantity Unit	Unit Price	Total
1	CLEARING AND GRUBBING GENERAL	0 LS	\$15,000,00	\$0.00
2.	CONSTRUCT 6" SANITARY SEWER PIPE	0 LF	\$15.00	\$0.00
3	CONSTRUCT 8" SANITARY SEWER PIPE	0 LF	\$16.00	\$0.00
4	CONSTRUCT 4" FORCE MAIN	860 LF	\$20.00	\$17,200.00
4	CONSTRUCT 54" I.D. SANITARY MANHOLE (41 EA)	0 VF	\$275.00	\$0.00
5	CONSTRUCT MANHOLE RING COLLAR	0 EA	\$350.00	\$0.00
6	CONSTRUCT EXTERNAL FRAME SEAL	0 EA	\$400.00	\$0.00
7	EXCAVATION FOR EXTRA DEEP SANITARY SEWER	0 VF-LF	\$10.00	\$0.00
8	CONSTRUCT 8" X 6" WYE	0 EA	\$100.00	\$0.00
9	CONSTRUCT 8" PIPE PLUG	0 EA	\$250.00	\$0.00
10	CONSTRUCT MANHOLE STUBOUT	0 EA	\$100.00	\$0.00
12	CONSTRUCT 6" PIPE BEDDING	0 LF	\$5.00	\$0.00
13	CONSTRUCT 8" PIPE BEDDING	0 LF	\$5.50	\$0.00
14	STABILIZATION TRENCH W/ CRUSHED LIMESTONE	0 TN	\$25.00	\$0.00
15	INSTALL VACUUM PRIME LIFT STATION	1 EA	\$20,000.00	\$20,000.00
16	CONSTRUCT 72" I.D. LIFT STATION MANHOLE (1 EA)	16 VF	\$800.00	\$12,800.00
17	INSTALL METER PANEL AND WIRING	1 EA	\$11,000.00	\$11,000.00
18	INSTALL GENERATOR	1 EA	\$20,000.00	\$20,000.00
19	CONSTRUCT GENERATOR PAD	1 EA	\$2,100.00	\$2,100.00
20	CONSTRUCT 6' TALL CHAIN LINK FENCE	110 LF	\$75.00	\$8,250.00
21	CONSTRUCT ROCK SURFACING	50 TN	\$25.00	\$1,250.00
22	CONSTRUCT SILT FENCE	500 LF	\$3,00	\$1,500.00
23	CLEANOUT SILT FENCE	500 LF	\$1.25	\$625.00
24	CLEANOUT SILT BASIN	500 CY	\$6.00	\$3,000.00
25	SEEDING - TYPE "TEMPORARY SEED MIX"	1 AC	\$500.00	\$250.00
26	HAY OR STRAW MULCH	1 AC	\$450.00	\$225.00
27	ROLLED EROSION CONTROL, TYPE II	500 SY	\$3.00	\$1,500.00
28	CONTINGENCY	. 15 %		\$14,955.00
-		Estimated Construction Cost	s:	\$114,655.00
		<u>Estimate</u>	d Soft Costs	
		Engineeri	ng Design and	
			tion Administration:	\$21,784.45
		=	ical and Testing:	\$2,293.10
		5.00% Legal :		\$5,732.75
		5.00% Fiscal:		\$7,223.27
		7.00% Interest:		\$10,618.20
		12 Duration	(Months)	
		Total Estimated Soft Costs:		42% \$47,651.76

Total Estimated Costs:

\$162,306.76



STORM SEWER

Assumptions/Comments:



		Approximate		
	Bid Item Description	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	1427 LF	\$25.00	\$35,675.00
4.	CONSTRUCT 24" R.C.P., CLASS III	331 LF	\$30.00	\$9,930.00
5.	CONSTRUCT 30" R.C.P., CLASS III	204 LF	\$38.00	\$7,752.00
6.	CONSTRUCT 36" R.C.P., D(0.01) = 1,350	54 LF	\$50.00	\$2,700.00
7.	CONSTRUCT 42" R.C.P., D(0.01) = 1,350	0 LF	\$68.00	\$0.00
8.	CONSTRUCT 48" R.C.P., D(0.01) = 1,350	0 LF	\$82.00	\$0.00
9.	CONSTRUCT 18" R.C. FLARED END SECTION	1 EA	\$750.00	\$750.00
10 .	CONSTRUCT 24" R.C. FLARED END SECTION	0 EA	\$900.00	\$0.00
11 .	CONSTRUCT 36" R.C. FLARED END SECTION	1 EA	\$1,200.00	\$1,200.00
12 .	CONSTRUCT 42" R.C. FLARED END SECTION	0 EA	\$1,500.00	\$0.00
13 .	CONSTRUCT 48" R.C. FLARED END SECTION	0 EA	\$2,000.00	\$0.00
14 .	CONSTRUCT 54" I.D. FLATTOP MANHOLE (2 EA)	10 VF	\$250.00	\$2,500.00
15 .	CONSTRUCT 60" I.D. FLATTOP MANHOLE (0 EA)	0 VF	\$275.00	\$0.00
16 .	CONSTRUCT 84" I.D. FLATTOP MANHOLE (0 EA)	0 VF	\$500.00	\$0.00
17.	CONSTRUCT 54" I.D. TYPE II AREA INLET (0 EA)	0 VF	\$400.00	\$0.00
18 .	CONSTRUCT 18" PIPE BEDDING	1427 LF	\$3.00	\$4,281.00
19.	CONSTRUCT 24" PIPE BEDDING	331 LF	\$4.00	\$1,324.00
20 .	CONSTRUCT 30" PIPE BEDDING	204 LF	\$5.00	\$1,020.00
21 .	CONSTRUCT 36" PIPE BEDDING	54 LF	\$7.50	\$405.00
22 .	CONSTRUCT 42" PIPE BEDDING	0 LF	\$10.00	\$0.00
23 .	CONSTRUCT 48" PIPE BEDDING	0 LF	\$14.00	\$0.00
24 .	STABILIZE TRENCH W/ CRUSHED LIMESTONE	100 TN	\$25.00	\$2,500.00
25 .	CONSTRUCT POND OUTLET STRUCTURE (BASIN A)	0 VF	\$1,000.00	\$0.00
26 .	CONSTRUCT POND OUTLET STRUCTURE (BASIN B)	0 VF	\$1,000.00	\$0.00
27 .	CONSTRUCT POND OUTLET STRUCTURE (BASIN E)	7 VF	\$1,000.00	\$7,000.00
28 .	CONSTRUCT POND OUTLET STRUCTURE (BASIN G)	0 VF	\$1,000.00	\$0.00
29 .	CONSTRUCT MANHOLE RING COLLAR	0 EA	\$250.00	\$0.00
30 .	CONSTRUCT RIP-RAP APRON - (NDOR TYPE "B")	35 TON	\$36.00	\$1,260.00
31 .	CONSTRUCT ROCK RIP-RAP - TYPE "C"	15 TON	\$38.00	\$570.00
.	CONSTRUCT OUTLET ENERGY DISSIPATION	1 EA	\$3,000.00	\$3,000.00
32	CONSTRUCT TEMPORARY END OF STREET DRAIN	2 EA	\$2,000.00	\$4,000.00
33 .	CONSTRUCT ROCK ACCESS ROAD	60 TN	\$22.00	\$1,320.00
34 .	CONSTRUCT SILT FENCE	400 LF	\$3.00	\$1,200.0
35 .	CLEANOUT SILT FENCE	250 LF	\$1.25	\$312.5
36 .	CLEANOUT SILT BASIN	800 CY	\$3.00	\$2,400.0
37 .	SEEDING - TYPE "TEMPORARY SEED MIX"	1 AC	\$500.00	\$500.0
38 .	HAY OR STRAW MULCH	1 AC	\$450.00	\$450.0
39 .	ROLLED EROSION CONTROL, TYPE II	500 SY	\$3.00	\$1,500.0
	CONTINGENCY	15%	\$101,049.50	\$15,157.4

Estimated Construction Costs:

\$116,206.93

Estimated Soft Costs

| Engineering Design and | \$27,889.66 | \$27,889.66 | \$1,00% | Geotechnical and Testing: \$1,162.07 | \$5,00% | Legal: \$5,810.35 | \$7,553.45 | \$7,00% | Interest: \$11,103.57 | \$12 | Duration (Months)

Total Estimated Soft Costs:

46%_

\$53,519.10

Total Estimated Costs:

\$169,726.02

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STORM SEWER G.O.



		Approximate		···
	Bid Item Description	Quantity Unit	Unit Price	Tot
1.	CLEARING AND GRUBBING GENERAL	1.00 LS	\$2,500.00	\$2,500.0
2.	GENERAL GRADING AND SHAPING	1.00 LS	\$5,000.00	\$5,000.0
3.	CONSTRUCT 18" R.C.P., CLASS III	1427.00 LF	\$25.00	\$35,675.0
4.	CONSTRUCT 24" R.C.P., CLASS III	331.00 LF	\$30.00	\$9,930.0
5.	CONSTRUCT 30" R.C.P., CLASS III	204.00 LF	\$38.00	\$7,752.
6.	CONSTRUCT 36" R.C.P., D(0.01) = 1,350	54.00 LF	\$50.00	\$2,700.
7.	CONSTRUCT 42" R.C.P., D(0.01) = 1,350	0.00 LF	\$68.00	\$0.
8.	CONSTRUCT 48" R.C.P., D(0.01) = 1,350	0.00 LF	\$82.00	\$0.
9.	CONSTRUCT 18" R.C. FLARED END SECTION	1.00 EA	\$750.00	\$750
0.	CONSTRUCT 24" R.C. FLARED END SECTION	0.00 EA	\$900.00	\$0
11.	CONSTRUCT 36" R.C. FLARED END SECTION	1.00 EA	\$1,200.00	\$1,200
12.	CONSTRUCT 42" R.C. FLARED END SECTION	0.00 EA	\$1,500.00	\$0
13.	CONSTRUCT 48" R.C. FLARED END SECTION	0.00 EA	\$2,000.00	\$0
4 .	CONSTRUCT 54" I.D. FLATTOP MANHOLE (5 EA)	10.00 VF	\$250.00	\$2,500
15 .	CONSTRUCT 60" I.D. FLATTOP MANHOLE (1 EA)	0.00 VF	\$275.00	\$0
6.	CONSTRUCT 84" I.D. FLATTOP MANHOLE (1 EA)	0.00 VF	\$500.00	\$0
7.	CONSTRUCT 54" I.D. TYPE II AREA INLET (1 EA)	0.00 VF	\$400.00	\$0
8.	CONSTRUCT 18" PIPE BEDDING	1427.00 LF	\$3.00	\$4,281
9.	CONSTRUCT 24" PIPE BEDDING	331.00 LF	\$4.00	\$1,324
20 .	CONSTRUCT 30" PIPE BEDDING	204.00 LF	\$5.00	\$1,020
21 .	CONSTRUCT 36" PIPE BEDDING	54.00 LF	\$7.50	\$405
22 .	CONSTRUCT 42" PIPE BEDDING	0.00 LF	\$10.00	\$0
23 .	CONSTRUCT 48" PIPE BEDDING	0.00 LF	\$14.00	\$0
24 .	STABILIZE TRENCH W/ CRUSHED LIMESTONE	100,00 TN	\$25.00	\$2,500
. 4 . !5 .	CONSTRUCT POND OUTLET STRUCTURE (BASIN A)	0.00 VF	\$1,000.00	\$0
26 .	CONSTRUCT POND OUTLET STRUCTURE (BASIN B)	0.00 VF	\$1,000.00	\$6
	CONSTRUCT POND OUTLET STRUCTURE (BASIN E)	7.00 VF	\$1,000.00	\$7,000
27 . 28 .	CONSTRUCT POND OUTLET STRUCTURE (BASIN G)	0.00 VF	\$1,000.00	\$
	CONSTRUCT MANHOLE RING COLLAR	0.00 EA	\$250.00	\$
29 .	CONSTRUCT MIANHOLE KING COLLAN CONSTRUCT RIP-RAP APRON - (NDOR TYPE "B")	35.00 TON	\$36.00	\$1,26
10 .	CONSTRUCT RIP-RAP APROIN- (INDORTHE B) CONSTRUCT ROCK RIP-RAP - TYPE "C"	15.00 TON	\$38,00	\$57
31.	CONSTRUCT ROCK RIP-RAP - 11FE C	1,00 EA	\$3,000.00	\$3,00
	CONSTRUCT TEMPORARY END OF STREET DRAIN	2.00 EA	\$2,000.00	\$4,00
32		60.00 TN	\$22.00	\$1,32
33 .	CONSTRUCT ROCK ACCESS ROAD	400.00 LF	\$3.00	\$1,20
34 .	CONSTRUCT SILT FENCE	250.00 LF	\$1.25	\$31
5 .	CLEANOUT SILT FENCE	800.00 CY	\$3,00	\$2,40
36 .	CLEANOUT SILT BASIN	1,00 AC	\$500,00	\$50
37.	SEEDING - TYPE "TEMPORARY SEED MIX"	1.00 AC	\$450,00	\$45
38 .	HAY OR STRAW MULCH	500.00 SY	\$3.00	\$1,50
39 .	ROLLED EROSION CONTROL, TYPE II	300.00 31	Ψ0.00	Ţ1,00·
	CONTINGENCY	15%	\$101,049.50	\$15,15

Fetimated	Construction	Costs:

\$116,206.93

Estimated Soft Costs

Engineering Design and	
24.00% Construction Administration:	\$27,889.66
1,00% Geotechnical and Testing:	\$1,162.07
5.00% Legal:	\$5,810.35
5.00% Fiscal:	\$7,553.45
7.00% Interest:	\$11,103.57
12 Duration (Months)	

Total Estimated Soft Costs:

%_____\$53,519.<u>10</u>

Total Estimated Costs:

\$169,726.02

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PAVING MINOR



Assumptions/Comments:

Ashbury Farm - Final Plat

Includes residential only

	Bid Item Description	Approximate Quantity Unit	Unit Price	Total
1.	7" CONCRETE PAVEMENT - TYPE L65	10150 SY	\$25.00	\$253,750.00
2	9" CONCRETE PAVEMENT - TYPE L65	0 SY	\$31.00	\$0.00
3.	COMMON EARTHWORK EXCAVATION	3383 CY	\$2.50	\$8,458,33
4.	MEDIAN NOSE	0 EA	\$250.00	\$0.00
5.	ADJUST MANHOLE TO GRADE	13 EA	\$150.00	\$1,950.00
6.	EXTERNAL FRAME SEAL	13 EA	\$350.00	\$4,550.00
7.	CONSTRUCT CURB INLET - TYPE I	3 EA	\$2,500.00	\$7,500.00
8.	CONSTRUCT CURB INLET - TYPE III	4 EA	\$2,750.00	\$11,000,00
ο.	PREFORMED PAVEMENT MARKING TAPE MARKING SYMBOL - WHITE	, = ,	,	
•	"ONLY"	0 EA	\$350.00	\$0,00
9.	PREFORMED PAVEMENT MARKING TAPE MARKING SYMBOL - WHITE	021	\$ 555.55	, , , , , , , , , , , , , , , , , , , ,
40	DIRECTIONAL ARROW	0 EA	\$350.00	\$0.00
10 .	4" PREFORMED PAVEMENT MARKING TAPE PAVEMENT MARKING -	0 27	\$ 555.55	*
		0 LF	\$3.00	\$0.00
11 .	WHITE	0 21	\$0.00	*****
	24" PREFORMED PAVEMENT MARKING TAPE PAVEMENT MARKING -	0 LF	\$20.00	\$0.00
12 .	WHITE	0 CY	\$10.00	\$0.00
13 .	TOPSOIL PLACEMENT	400 LF	\$3.00	\$1,200.00
14	CONSTRUCT SILT FENCE	250 LF	\$1.25	\$312.50
15	CLEANOUT SILT FENCE	1000 CY	\$3.00	\$3,000.00
16	CLEANOUT SILT BASIN	1 AC	\$500.00	\$500.00
17	SEEDING - TYPE "TEMPORARY SEED MIX"	1 AC	\$450.00	\$450.00
18	HAY OR STRAW MULCH	3181 LF	\$1.00	\$3,181.00
19 .	JET EXISTING SEWER	3101 LF	Ψ1.00	φο, το τισο
	CONTINGENCY	15 %		\$44,377.78
 		Estimated Construction Costs:		\$340,229.61
		Fatimate	d Soft Costs	
		Estimate	a soit Costs	
		Engineeri	ng Design and	
		19.00% Construc	\$64,643.63	
		2.00% Geotechn	ical and Testing:	\$6,804.59
		5.00% Legal:	\$17,011.48	
		5.00% Fiscal:		\$21,434.47
		7.00% Interest:	_	\$23,631.50
		9 Duration	-	

Total Estimated Soft Costs:

Total Estimated Costs:

\$133,525.66

\$473,755.27



PAVING IN EXCESS OF 6" THICK

Assumptions/Comments:

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

	Bid Item Description	Approximate Quantity Unit Unit Price	Total
1 . 2 .	1" CONCRETE PAVEMENT 3" CONCRETE PAVEMENT	475 SY \$25.00 0 SY \$31.00	\$11,875.00 \$0.00
		Estimated Construction Costs:	\$11,875.00
FORMULA:	7" PAVEMENT 10,150 SY - G.O. PAVEMENT QUANTITY -593 SY		
	9,557 SY X (1/7") = 1,365 SY	9,557 Estimated Soft Costs	
E0014111 A	9" PAVEMENT QUANTITY 0 SY	Estimated dort vosts	
FORMULA:	- G.O. PAVEMENT QUANTITY -0 SY	19.00% Engineering Design and	\$2,256.25
	<u> </u>	0 2.00% Geotechnical and Testing: 5.00% Legal:	\$237.50 \$593.75
	0 SY X (3/7") = 0 SY	5.00% Fiscal: 7.00% Interest:	\$748.13 \$824.81
		9 Duration (Months)	
		Total Estimated Soft Costs: 39.2%	\$4,660.43
		Total Estimated Costs:	\$16,535.43



PAVING MINOR G.O.

Assumptions/Comments:

Intersection paving and extra width paving beyond 25'

	Bid Item Description	Approximate Quantity	Unit	Unit Price		Total
	Bid item Description	Quantity	Oilit	OTHER THOSE		
1,	7" CONCRETE PAVEMENT - TYPE L65	593	SY	\$25.00		\$14,825.00
2.	9" CONCRETE PAVEMENT - TYPE L65	0	SY	\$31.00		\$0.00
3.	COMMON EARTHWORK EXCAVATION	198	CY	\$2.50		\$494.1
4	MEDIAN NOSE	0	EA	\$250.00		\$0.0
5.	ADJUST MANHOLE TO GRADE	2	EA	\$150.00		\$300.0
6.	EXTERNAL FRAME SEAL	0	EA	\$350.00		\$0.0
7.	CONSTRUCT CURB INLET - TYPE I	3	EA	\$2,500.00		\$7,500.0
8.	CONSTRUCT CURB INLET - TYPE III	4	EA	\$2,750.00		\$11,000.0
0.	PREFORMED PAVEMENT MARKING TAPE MARKING SYMBOL - WHITE					
9.	"ONLY"	0	EA	\$350.00		\$0.0
3 .	PREFORMED PAVEMENT MARKING TAPE MARKING SYMBOL - WHITE					
10.	DIRECTIONAL ARROW	0	EA	\$350.00		\$0.0
10.	DIRECTIONAL ANNOVA	•		*		
11 .	4" PREFORMED PAVEMENT MARKING TAPE PAVEMENT MARKING - WHITE	0	LF	\$3.00		\$0.00
11.	24" PREFORMED PAVEMENT MARKING TAPE PAVEMENT MARKING -	•		*		
12	WHITE	0	LF	\$20.00		\$0.0
12 . 13 .	TOPSOIL PLACEMENT		CY	\$10.00		\$0.0
	CONSTRUCT SILT FENCE	400		\$3.00		\$1,200.0
14	CLEANOUT SILT FENCE	250		\$1.25		\$312.5
15	CLEANOUT SILT FENCE CLEANOUT SILT BASIN	1000		\$3.00		\$3,000.0
16	SEEDING - TYPE "TEMPORARY SEED MIX"		AC	\$500.00		\$500.0
17	HAY OR STRAW MULCH		AC	\$450.00		\$450.00
18 19	JET EXISTING SEWER		LF	\$1.00		\$0.0
19 .	JET EXISTING SEVER	Ţ		*****		
	CONTINGENCY	15	%			\$5,937.2
		Estimated Construc	tion Costs:			\$45,518.92
			Estimated	Soft Costs		
			Engineering	Design and		
		19.00%	Constructio	n Administration:		\$8,648.5
		2.00%	Geotechnic	al and Testing:		\$910.3
		5.00%	Legal:			\$2,275.9
		5.00%	Fiscal:			\$2,867.6
		7.00%	Interest:			\$3 <u>,161.6</u>
		g	Duration (M	onths)	-	
		Total Estimated So	ft Costs:		39%	\$17,864.2
		Total Estimated Co	sts:			\$63,383,1

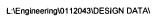


PAVING IN EXCESS OF 6" THICK - G.O.

Assumptions/Comments:

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

Bid Item Description	Approximate Quantity Unit	Unit Price Tota
1 . 1" CONCRETE PAVEMENT 2 . 3" CONCRETE PAVEMENT	475 SY 0 SY	\$25.00 \$11,875.00 \$31.00 \$0.00
	Estimated Construction Costs	s: \$11,875.00
FORMULA: 7" PAVEMENT 10,150 SY - G.O. PAVEMENT QUANTITY -593 SY	9,557	
9,557 SY X (1/7") = 1,365 SY FORMULA: 9" PAVEMENT QUANTITY 0 SY - G.O. PAVEMENT QUANTITY -0 SY	19.00% Engineerin 2.00% Geotechnic 5.00% Legal: 5.00% Fiscal:	cal and Testing: \$237.50 \$593.75 \$748.13
0 SY X (3/7") = 0 SY	7.00% Interest: 9 Duration (f	\$824.8° Months)
	Total Estimated Soft Costs:	39% \$4,660.4
	Total Estimated Costs:	\$16,535.4



\$18,567.93

SIDEWALKS



_Assumptions/Comments:

5' trail with Outlot E

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total	
1.	4" CONCRETE SIDEWALK	1	.830 SF	\$3.50		\$6,405.00
2	SUBGRADE PREPARATION		285 SY	\$2.50		\$711.67
3	COMMON EARTH EXCAVATION		150 CY	\$7.00		\$1,048.74
4	CONSTRUCT CONCRETE CURB RAMP		60 SF	\$9.00		\$539.35
5	CONSTRUCT DETECTABLE WARNING PANEL		3 EA	\$100,00		\$300.00
6	SEEDING - TYPE "NON -IRRIGATED LAWN AND TURF SEED"		1.00 AC	\$1,600.00		\$1,600.00
7	HAY OR STRAW MULCH		1.00 AC	\$450,00		\$450.00
	CONTINGENCY		15%	\$11,054.76		\$1,658.21
		Estimated Con	struction (Costs:		\$12,712.97
			Estin	nated Soft Costs		
				eering Design and		******
				ruction Administration:		\$3,051,11 \$127,13
				chnical and Testing:		\$635.65
			.00% Legal: .00% Fiscal			\$826.34
			.00% Fiscai			\$1,214.72
		,		ion (Months)		7,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		Total Estimated	d Soft Cos	ts:	46%	\$5,854.96

Total Estimated Costs:

SIDEWALKS G.O.

Assumptions/Comments:



All Sidewalks are G.O.

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total	
1.	4" CONCRETE SIDEWALK		1,830 SF	\$3.50		\$6,405.00
2	SUBGRADE PREPARATION		285 SY	\$2.50		\$711.67
3	COMMON EARTH EXCAVATION		150 CY	\$7.00		\$1,048.74
4	CONSTRUCT CONCRETE CURB RAMP		60 SF	\$9.00		\$539.35
5	CONSTRUCT DETECTABLE WARNING PANEL		3 EA	\$100.00		\$300.00
6	SEEDING - TYPE "NON -IRRIGATED LAWN AND TURF SEED"		1.0 AC	\$1,600.00		\$1,600.00
7	HAY OR STRAW MULCH		1.0 AC	\$450.00		\$450.00
	CONTINGENCY		15%	\$11,054.76		\$1,658.21
		Estimated Co	onstruction C	osts:		\$12,712.97
			Estim	ated Soft Costs		
			Engine	eering Design and		
			24.00% Const	ruction Administration:		\$3,051.11
			1.00% Geote	chnical and Testing:		\$127.13
			5.00% Legal:			\$635.65
			5.00% Fiscal	-		\$826.34
			7.00% Interes			\$1,214.72
			12 Durati	on (Months)		
		Total Estima	ted Soft Cost	s:	46%	\$5,854.96
		Total Estima	ted Costs:			\$18,567.93



REGULATORY SIGNAGE

Assumptions/Comments:



	Bid Item Description	Approximate Quantity Unit	Unit Price		Tota
1	STREET SIGN WITH DECORATIVE SWING PROOF BRACKETS	13 EA	\$350.00		\$4,550.00
2 .	"STOP" SIGN (24")	8 EA	\$250.00		\$2,000.0
3.	SPEED LIMIT SIGN (18"X24")	3 EA	\$250.00		\$750.0
4.	2" SQUARE BLACK METAL POSTS WITH DECORATIVE TOP CAP	13 EA	\$375.00		\$4,875.0
	CONTINGENCY	25%	\$12,175.00		\$3,043.7
		Estimated Construction Costs:			\$15,218.7
		Estimated S	oft Costs		
		Engineering I	Design and		
		25.00% Construction	Administration:		\$3,804.6
		5.00% Legal:			\$760.9
		5.00% Fiscal:			\$989.2
		7.00% Interest:			\$1,090.6
		9 Duration (Mo	nths)		
		Total Estimated Soft Costs:		44%	\$6,645.4
		Total Estimated Costs:			\$21,864.2



REGULATORY SIGNAGE - G.O.

Assumptions/Comments:



All signage is G.O.

	Bid Item Description	Approximate Quantity Unit	Unit Price		Total
1	STREET SIGN WITH DECORATIVE SWING PROOF BRACKETS	13 EA	\$350.00		\$4,550.00
2.	"STOP" SIGN (24")	8 EA	\$250.00		\$2,000.00
3.	SPEED LIMIT SIGN (18"X24")	3 EA	\$250.00		\$750.00
4.	2" SQUARE BLACK METAL POSTS WITH DECORATIVE TOP CAP	13 EA	\$375.00		\$4,875.00
	CONTINGENCY	25%	\$12,175.00		\$3,043.75
		Estimated Construction Cost	s:		\$15,218.75
		<u>Estimate</u>	d Soft Costs		
		25,00% Engineerii	ng Design and		\$3,804.69
		5.00% Legal:	-		\$760.94
		5.00% Fiscal:			\$989.22
		7.00% Interest:			\$1,090.61
		9 Duration (Months)		
		Total Estimated Soft Costs:		44%	\$6,645.46
		Total Estimated Costs:			\$21,864.21



WATER INTERIOR



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

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
1.	CONSTRUCT 6" WATER MAIN	1,240	LF	\$20.00	\$24,800.00
2.	CONSTRUCT 8" WATER MAIN	710		\$26.00	\$18,460.00
3.	CONSTRUCT 12" WATER MAIN	3,350		\$44.00	\$147,400.00
4.	CONSTRUCT 6" PIPE BEDDING	1,240		\$3.00	\$3,720.00
5.	CONSTRUCT 8" PIPE BEDDING	710		\$4.00	\$2,840.00
6.	CONSTRUCT 12" PIPE BEDDING	3,350		\$6.00	\$20,100.00
7.	BORE AND JACK 16" STEEL CASING	170		\$200.00	\$34,000.00
8.	CUT IN 12" TEE AND VALVE		EA	\$800.00	\$800.00
٥.	CONSTRUCT END OF MAIN HYDRANT, GATE VALVE AND TEE ASSEMBLY				
9.	AND BACKING BLOCK	2	EA	\$3,600.00	\$7,200.00
10.	CONSTRUCT HYDRANT, GATE VALVE AND TEE ASSEMBLY	5	EA	\$3,800.00	\$19,000.00
1 .	CONSTRUCT 12 X 12 X 8 M.J. TEE ASSEMBLY AND BACKING BLOCK	2	EA	\$500.00	\$1,000.00
12.	CONSTRUCT 8 X 8 X 6 M.J. TEE ASSEMPLY AND BACKING BLOCK	1	EA	\$400.00	\$400.00
13 .	CONSTRUCT 12X12X12X12 CROSS ASSEMBLY	1	EA	\$450.00	\$450.00
14 .	CONSTRUCT 12X12X8X8 CROSS ASSEMBLY	1	EA	\$425.00	\$425.00
15.	CONSTRUCT 8X8X6X6 CROSS ASSEMBLY	1	EA	\$400.00	\$400.00
16 .	CONSTRUCT M.J. GATE VALVE AND BOX	14	EA	\$1,500.00	\$21,000.00
17 .	CONSTRUCT 12" x 90 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	1	EA	\$450.00	\$450.00
18 .	CONSTRUCT 12" x 45 DEGREE HORIZONTAL BEND WITH BACKING BLOCK CONSTRUCT 12" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING	1	EA	\$450.00	\$450.00
19 .	BLOCK	3	EA	\$450.00	\$1,350.00
20 .	CONSTRUCT 6" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK		EA	\$300.00	\$300.00
21 .	CONSTRUCT 8" X 6" REDUCER		EA	\$150.00	\$150.00
22 .	CONSTRUCT 6" X 6" REDUCER		EA	\$150.00	\$150.00
23 .	CONSTRUCT CHLORINE TUBE	·	EA	\$1,500.00	\$1,500.00
24 .	CONSTRUCT SAMPLE TAP		EA	\$400.00	\$3,200.00
25 .	CONSTRUCT SILT FENCE	500	LF	\$3.00	\$1,500.00
26 .	CONTINGENCY	15%		\$311,045.00	\$46,656.75
		Estimated Construc	tion Costs	:	\$357,701.75
			<u>Estimated</u>	Soft Costs	
		19.00%	•	g Design and on Administration:	\$67,963.3
		2.00%	Geotechnic	al and Testing:	\$7,154.0
		5.00%	Legal:		\$17,885.0
		5.00%	Fiscal:		\$22,535.2
		7.00% Interest: 9 Duration (Months)		\$24,845.0	
		Total Estimated So	•	•	39% \$140,382.7
					6400 004 4
		Total Estimated Co	sts:		\$498,084.4

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CAPITAL FACILITIES CHARGES

Assumptions/Comments:



Paid entirely in Phase I

_		Approximate		
	Bid Item Description	Quantity Unit	Unit Price	Total
1.	CAPITAL FACILITIES CHARGES - RESIDENTIAL	0 LOTS	\$1,500.00	\$0.00
2 . 4 .	CAPITAL FACILITIES CHARGES - COMMERCIAL/MIXED USE CAPITAL FACILITIES CHARGES - OUTLOTS (A & E)	0 AC 0.00 AC	\$4,500.00 \$4,200.00	\$0.00 \$0.00
		Estimated Construction Costs:		\$0.00
		Estimated S	Soft Costs	
		2.00% Legal:		\$0.00
		5.00% Fiscal: 7.00% Interest: 9 Duration (Mo	onths)	\$0.00 \$0.00
		Total Estimated Soft Costs:	09	% \$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
	CONSTRUCT 6" WATER MAIN	0	F	\$20.00		\$0,00
1.		0		\$26.00		\$0.00
2.	CONSTRUCT 8" WATER MAIN (OFFICE)	540		\$44.00		\$23,760.00
3.	CONSTRUCT 12" WATER MAIN (OFFSITE)	3,350		\$15.00		\$50,250.00
	CONSTRUCT 12" WATER MAIN (COST DIFFERNCE WITH 8")	3,350		\$3.00		\$0.00
4.	CONSTRUCT 6" PIPE BEDDING			\$4.00		\$0.00
5.	CONSTRUCT 8" PIPE BEDDING	0				\$3,240.00
3.	CONSTRUCT 12" PIPE BEDDING (OFFSITE)	540		\$6,00		
	CONSTRUCT 12" PIPE BEDDING (OFFSITE)	3,350		\$2.00		\$6,700.00
7.	BORE AND JACK 16" STEEL CASING	170		\$200.00		\$34,000.00
3.	CUT IN 12" TEE AND VALVE	0	EA	\$800.00		\$0.00
	CONSTRUCT END OF MAIN HYDRANT, GATE VALVE AND TEE ASSEMBLY					
€.	AND BACKING BLOCK	0	EA	\$3,600.00		\$0.00
) .	CONSTRUCT HYDRANT, GATE VALVE AND TEE ASSEMBLY	0	EA	\$3,800.00		\$0.00
, . I .	CONSTRUCT 12 X 12 X 8 M.J. TEE ASSEMBLY AND BACKING BLOCK	0	EA	\$500.00		\$0.00
•	CONSTRUCT 8 X 8 X 6 M.J. TEE ASSEMPLY AND BACKING BLOCK	0	EA	\$400.00		\$0.00
	CONSTRUCT 12X12X12X12 CROSS ASSEMBLY	0	EA	\$450.00		\$0.00
	CONSTRUCT 12X12X8X8 CROSS ASSEMBLY	0	EA	\$425.00		\$0.00
	CONSTRUCT 8X8X6X6 CROSS ASSEMBLY		EA	\$400.00		\$0.00
-	CONSTRUCT M.J. GATE VALVE AND BOX		EA	\$1,500.00		\$0.00
5 .						•••
	CONSTRUCT 12" x 90 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0	EA	\$450.00		\$0.00
	CONSTRUCT 12" x 45 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0	EA	\$450.00		\$0.00
١.	CONSTRUCT 12" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0	EA	\$450.00		\$0.00
	CONSTRUCT 6" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0	EA	\$300.00		\$0.00
0.	CONSTRUCT 8" X 6" REDUCER	0	EA	\$150.00		\$0.0
1. 2.	CONSTRUCT 6" X 6" REDUCER		EA	\$150.00		\$0.0
	CONSTRUCT CHLORINE TUBE		EA	\$1,500.00		\$1,500.0
3.	****		EA	\$400.00		\$3,200.0
4.	CONSTRUCT SAMPLE TAP	500		\$3.00		\$1,500.0
5.	CONSTRUCT SILT FENCE	500	LF	ψ5.00		
6.	CONTINGENCY	15.00	%			\$18,622.50
		Estimated Construc	tion Costs:			\$142,772.50
			Estimated S	oft Costs		
			Engineering	Design and		
		19.00%	-	Administration:		\$27,126.7
				I and Testing:		\$2,855.4
			Legal:	_		\$7,138.6
			Fiscal:			\$8,994.6
		7,00% Interest:				\$9,916.6
			Duration (Mo	onths)		
		Total Estimated Sof	t Costs:		39%	\$56,032.1



POWER- Residential

Assumptions/Comments:



Commercial Service could be Delayed

	Bid Item Description	Approximate Quantity Unit	Unit Price	
1.	UNDERGROUND SERVICE - RESIDENTIAL	48 LOT	\$1,350.00	\$64,800.00
		Estimated Construction Costs:		\$64,800.00
		Estimated Soft	Costs	•
		Engineering Desi	on and	
		25,00% Construction Adr		\$16,200.00
		5.00% Legal:		\$3,240.00
		5.00% Fiscal:		\$4,212.00
		7.00% Interest: 9 Duration (Months	=	\$4,643.73
		Total Estimated Soft Costs:	44%=	\$28,295.73
		Total Estimated Costs:		\$93,095.73

DECORATIVE STREET LIGHTS



Assumptions/Comments:

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

	Approximate		
Bid Item Description	Quantity Unit	Unit Price	Total
1. DECORATIVE STREET LIGHTS	16 EA	2,050.00	\$32,800.00
	Estimated Construction Costs	3:	\$32,800.00
	<u>Estimated</u>	Soft Costs	
	0.00% Engineerin 5.00% Legal: 5.00% Fiscal: 7.00% Interest: 6 Duration (I		\$0.00 \$1,640.00 \$1,722.00 \$1,265.67
	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	\$292,392,88	1.00%	\$2,923.93
2.	SANITARY SEWER - OUTFALL	\$0.00	1.00%	\$0.00
3.	STORM SEWER	\$116,206.93	1.00%	
4.	PAVING MINOR	\$340,229.61	1.00%	\$3,402.30
5.	1 AVIITO MINOR	***	1.00%	
6.			1.00%	
7.	SIDEWALKS	\$12,712.97	1,00%	
8.	SIDEVALING	¥ 1=11 1=12	1.00%	
9.	WATER INTERIOR	\$357,701.75	1.00%	
		Estimated Construction Esti	Costs:	\$11,192.44
		5.00% Fisc	ai:	\$559.62
		7.00% Inter	est:	\$822.64
		12 Dura	ition (Months)	
		Total Estimated Soft Co	sts:	12% \$1,382.27
		Total Estimated Costs:		\$12,574.71

S.I.D. Cost Estimate

Ashbury Farm - Phase 3 112043.33 SID No. 293 9/10/2015 Ashbury Farm -Final Plat

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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	1550	LF	\$84,600.00	\$123,600.00	\$9,400.00	\$114,200.00	\$0.00	\$0.00	\$0.00	\$0.00
STORM SEWER	2709	LF	\$188,100.00	\$266,300.00	\$266,300.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PAVING Minor	8900	SY	\$383,600.00	\$534,200.00	\$219,700.00	\$314,500.00	\$0.00	\$0.00	\$0.00	\$0.00
SIDEWALKS	2040	SF	\$12,700.00	\$18,500.00	\$18,500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LANDSCAPING	0	LS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
REGULATORY SIGNS	4	EA	\$3,100.00	\$4,400.00	\$4,400.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PARKS ACQUISITION	0.00	AC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WATER Interior	2050	LF	\$104,800.00	\$150,500.00	\$6,300.00	\$144,200.00	\$0.00	\$0.00	\$0.00	\$0.00
Capital Facilities Charge	1	LS	\$112,434.33	\$126,739.07	\$0.00	\$126,739.07	\$0,00	\$0.00	\$0.00	\$0.00
POWER Residential Service	0	Lots	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Commercial Service	46	AC	\$165,500.00	\$237,800.00	\$0.00	\$237,800.00	\$0.00	\$0,00	\$0.00	\$0.00
Decorative Street Lights	10	EA	\$20,500.00	\$23,400.00	\$23,400.00	\$0.00				
CIVIL DEFENSE SIREN	0	LS	\$0,00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PLAN REVIEW FEE	1	%	\$7,700.00	\$8,700.00	\$4,500.00	\$4,200.00	\$0.00	\$0.00	\$0.00	\$0.00

Total \$1,083,034.33 \$1,494,139.07 \$552,500.00 \$941,639.07 \$0.00 \$0.00 \$0.00



DEBT RATIO

ASSUMPTIONS

Average market Value Per Residential Lot (land value only)

\$85,000.00

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

\$415,000.00

Commercial Land Value per square foot

\$8.00

Commercial Building Value per square foot (Includes Land)

\$85.00

ASSESSABLE VALUATION

Residential Lot

0 Units = \$85,000.00 =

SF =

\$0.00

Residential Improvements

0

Units = \$415,000.00 =

\$0.00

Commercial Land

46.24

AC =

\$348,480.00 = \$16,113,715.20

Commercial Building (20% of Lot Area)

402,843

\$85.00 =

\$34,241,644.80

Total 100% Valuation =

\$50,355,360.00

Total 95% Valuation =

\$47,837,592.00

DEBT RATIO =

1.15%



SANITARY SEWER - INTERIOR

Assumptions/Comments:



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

	Bid Item Description	Approximate Quantity Unit	Unit Price	Total
1.	CLEARING AND GRUBBING GENERAL	1.00 LS	\$5,000,00	\$5,000.00
2.	CONSTRUCT 6" SANITARY SEWER PIPE	0 LF	\$15.00	\$0.00
	CONSTRUCT 6 SANITARY SEWER PIPE	1550 LF	\$16,00	\$24.800.00
3.	CONSTRUCT 6 SANTART SEWER FIFE CONSTRUCT 4" FORCE MAIN	0 LF	\$20.00	\$0.00
4.	CONSTRUCT 44 FORCE MAIN CONSTRUCT 54" I.D. SANITARY MANHOLE (7 EA)	. 91 VF	\$275.00	\$25,025.00
5.	CONSTRUCT MANHOLE RING COLLAR	1 EA	\$350.00	\$350.00
6.	CONSTRUCT EXTERNAL FRAME SEAL	1 EA	\$400.00	\$400.00
7.	EXCAVATION FOR EXTRA DEEP SANITARY SEWER	38 VF-LF	\$10.00	\$379.90
8.		0 EA	\$100.00	\$0.00
9.	CONSTRUCT 8" X 6" WYE	12 EA	\$250.00	\$3,000.00
10 .	CONSTRUCT 8" PIPE PLUG	1 EA	\$100.00	\$100.00
11 .	CONSTRUCT MANHOLE STUBOUT	0 LF	\$5.00	\$0.00
12 .	CONSTRUCT 6" PIPE BEDDING	1550 LF	\$5.50 \$5.50	\$8,525.00
13 .	CONSTRUCT 8" PIPE BEDDING	15 TN	\$25.00	\$379.90
14.	STABILIZE TRENCH W/ CRUSHED LIMESTONE	0 EA	\$20,000.00	\$0.00
15 .	INSTALL VACUUM PRIME LIFT STATION	0 VF	\$800.00	\$0.00
16.	CONSTRUCT 72" I.D. LIFT STATION MANHOLE (1 EA)	0 VF 0 EA	\$11,000,00	\$0.00
17 .	INSTALL METER PANEL AND WIRING	0 EA	\$20,000.00	\$0.00
18 .	INSTALL GENERATOR	· ·		\$0.00
19.	CONSTRUCT GENERATOR PAD	0 EA	\$2,100.00 \$75.00	\$0.00
20 .	CONSTRUCT 6' TALL CHAIN LINK FENCE	0 LF	\$25.00 \$25.00	\$0.00
21.	CONSTRUCT ROCK SURFACING	0 TN	\$25.00 \$3.00	\$1,500.00
22 .	CONSTRUCT SILT FENCE	500 LF	• • • • •	\$625.00
23 .	CLEANOUT SILT FENCE	500 LF	\$1.25	\$1,500.00
24 .	CLEANOUT SILT BASIN	500 CY	\$3.00	\$1,500.00 \$250.00
25 .	SEEDING - TYPE "TEMPORARY SEED MIX"	0.50 AC	\$500.00	\$225.0
26 .	HAY OR STRAW MULCH	0.50 AC	\$450.00	· ·
27 .	ROLLED EROSION CONTROL, TYPE II	500 SY	\$3.00	\$1,500.00
	CONTINGENCY	15% %	\$73,559.80	\$11,033.9
		Estimated Construction C	osts:	\$84,593.77
		<u>Estim</u>	ated Soft Costs	
		Engine	eering Design and	
		23.00% Const	ruction Administration:	\$19,456.5
		2.00% Geote	chnical and Testing:	\$1,691.8
		5.00% Legal:	•	\$4,229.6
		5.00% Fiscal		\$5,498.6
		7.00% Interes	st:	\$8,082.9
			on (Months)	
		Total Estimated Soft Cost	·e·	46% \$38,959.6

Total Estimated Costs:

\$123,553.44



SANITARY SEWER - INTERIOR G.O.

Assumptions/Comments:



		Approximate		
	Bid Item Description	Quantity Unit	Unit Price	Tota
1	CLEARING AND GRUBBING GENERAL	0 LS	\$5,000.00	\$0.0
2.	CONSTRUCT 6" SANITARY SEWER PIPE	0 LF	\$15.00	\$0.0
3	CONSTRUCT 8" SANITARY SEWER PIPE	0 LF	\$16.00	\$0.0
4	CONSTRUCT 4" FORCE MAIN	0 LF	\$20.00	\$0.0
4	CONSTRUCT 54" I.D. SANITARY MANHOLE (41 EA)	0 VF	\$275.00	\$0.0
5	CONSTRUCT MANHOLE RING COLLAR	0 EA	\$350.00	\$0.0
6	CONSTRUCT EXTERNAL FRAME SEAL	0 EA	\$400.00	\$0.
7	EXCAVATION FOR EXTRA DEEP SANITARY SEWER	0 VF-LF	\$10.00	\$0.
8	CONSTRUCT 8" X 6" WYE	0 EA	\$100.00	\$0.
9	CONSTRUCT 8" PIPE PLUG	0 EA	\$250.00	\$0.
Ö	CONSTRUCT MANHOLE STUBOUT	0 EA	\$100.00	\$0.
2	CONSTRUCT 6" PIPE BEDDING	0 LF	\$5.00	\$0.
3	CONSTRUCT 8" PIPE BEDDING	0 LF	\$5,50	\$0.
4	STABILIZATION TRENCH W/ CRUSHED LIMESTONE	0 TN	\$25.00	\$0.
5	INSTALL VACUUM PRIME LIFT STATION	0 EA	\$20,000.00	\$0.
6	CONSTRUCT 72" I.D. LIFT STATION MANHOLE (1 EA)	0 VF	\$800.00	\$0
7	INSTALL METER PANEL AND WIRING	0 EA	\$11,000.00	\$0
8	INSTALL GENERATOR	0 EA	\$20,000.00	\$0
9	CONSTRUCT GENERATOR PAD	0 EA	\$2,100.00	\$0
	CONSTRUCT 6' TALL CHAIN LINK FENCE	0 LF	\$75.00	\$0
20	CONSTRUCT OF TALL CHAIN LINKY LINE CONSTRUCT ROCK SURFACING	0 TN	\$25.00	\$0
21	CONSTRUCT ROCK SORFACING	500 LF	\$3.00	\$1,500
22	CLEANOUT SILT FENCE	500 LF	\$1.25	\$625
23	CLEANOUT SILT PENCE CLEANOUT SILT BASIN	500 CY	\$3.00	\$1,500
24	SEEDING - TYPE "TEMPORARY SEED MIX"	1 AC	\$500.00	\$250
25	HAY OR STRAW MULCH	1 AC	\$450.00	\$225
26 27	ROLLED EROSION CONTROL, TYPE II	500 SY	\$3.00	\$1,500
	CONTINGENCY	15 %		\$840
		Estimated Construction Cost	s:	\$6,440.
		<u>Estimate</u>	d Soft Costs	
		•	ng Design and	
			ion Administration:	\$1,481
		—·	ical and Testing:	\$128
		5.00% Legal:		\$32
		5.00% Fiscal:		\$418
		7.00% Interest: 12 Duration ((Months)	\$61
		Total Estimated Soft Costs:	46	s% \$2,96

Total Estimated Costs:

\$9,405.94



STORM SEWER

Assumptions/Comments:



	Approximate			
	Bid Item Description	Quantity Unit	Unit Price	Tota
1.	CLEARING AND GRUBBING GENERAL	1.00 LS	\$2,500.00	\$2,500.00
2.	GENERAL GRADING AND SHAPING	1.00 LS	\$5,000.00	\$5,000.00
3.	CONSTRUCT 18" R.C.P., CLASS III	1100 LF	\$25.00	\$27,500.00
4.	CONSTRUCT 24" R.C.P., CLASS III	215 LF	\$30.00	\$6,450.00
5.	CONSTRUCT 30" R.C.P., CLASS III	1115 LF	\$38.00	\$42,370.00
6.	CONSTRUCT 36" R.C.P., D(0.01) = 1,350	150 LF	\$50.00	\$7,500.00
7.	CONSTRUCT 42" R.C.P., D(0.01) = 1,350	129 LF	\$68.00	\$8,772.00
8.	CONSTRUCT 48" R.C.P., D(0.01) = 1,350	0 LF	\$82.00	\$0.00
9.	CONSTRUCT 18" R.C. FLARED END SECTION	0 EA	\$750.00	\$0.00
10 .	CONSTRUCT 24" R.C. FLARED END SECTION	1 EA	\$900.00	\$900.00
11.	CONSTRUCT 36" R.C. FLARED END SECTION	0 EA	\$1,200.00	\$0.00
12.	CONSTRUCT 42" R.C. FLARED END SECTION	1 EA	\$1,500.00	\$1,500.00
13 .	CONSTRUCT 48" R.C. FLARED END SECTION	0 EA	\$2,000.00	\$0.00
14 .	CONSTRUCT 54" I.D. FLATTOP MANHOLE (5 EA)	25 VF	\$250.00	\$6,250.00
15.	CONSTRUCT 60" I.D. FLATTOP MANHOLE (0 EA)	0 VF	\$275.00	\$0.00
16.	CONSTRUCT 84" I.D. FLATTOP MANHOLE (0 EA)	0 VF	\$500.00	\$0.00
17 .	CONSTRUCT 54" I.D. TYPE II AREA INLET (4 EA)	20 VF	\$400.00	\$8,000.0
18 .	CONSTRUCT 18" PIPE BEDDING	1100 LF	\$3.00	\$3,300.0
19.	CONSTRUCT 24" PIPE BEDDING	215 LF	\$4.00	\$860.00
20 .	CONSTRUCT 30" PIPE BEDDING	1115 LF	\$5.00	\$5,575.00
21 .	CONSTRUCT 36" PIPE BEDDING	150 LF	\$7.50	\$1,125.0
22 .	CONSTRUCT 42" PIPE BEDDING	129 LF	\$10.00	\$1,290.0
23 .	CONSTRUCT 48" PIPE BEDDING	0 LF	\$14.00	\$0.0
24 .	STABILIZE TRENCH W/ CRUSHED LIMESTONE	200 TN	\$25.00	\$5,000.0
25 .	CONSTRUCT POND OUTLET STRUCTURE (BASIN A)	7 VF	\$1,000.00	\$7,000.0
26 .	CONSTRUCT POND OUTLET STRUCTURE (BASIN B)	0 VF	\$1,000.00	\$0.0
27 .	CONSTRUCT POND OUTLET STRUCTURE (BASIN E)	0 VF	\$1,000.00	\$0.0
28 .	CONSTRUCT POND OUTLET STRUCTURE (BASIN G)	0 VF	\$1,000.00	\$0.0
29 .	CONSTRUCT MANHOLE RING COLLAR	0 EA	\$250.00	\$0.0
30 .	CONSTRUCT RIP-RAP APRON - (NDOR TYPE "B")	60 TON	\$36.00	\$2,160.0
31 .	CONSTRUCT ROCK RIP-RAP - TYPE "C"	17 TON	\$38.00	\$646.0
•	CONSTRUCT OUTLET ENERGY DISSIPATION	2 EA	\$3,000.00	\$6,000.0
32	CONSTRUCT TEMPORARY END OF STREET DRAIN	1 EA	\$2,000.00	\$2,000.0
33 .	CONSTRUCT ROCK ACCESS ROAD	60 TN	\$22.00	\$1,320.0
34 .	CONSTRUCT SILT FENCE	400 LF	\$3.00	\$1,200.0
35 .	CLEANOUT SILT FENCE	250 LF	\$1.25	\$312.5
36 .	CLEANOUT SILT BASIN	2000 CY	\$3.00	\$6,000.0
37 .	SEEDING - TYPE "TEMPORARY SEED MIX"	1 AC	\$500.00	\$500.0
38 .	HAY OR STRAW MULCH	1 AC	\$450.00	\$450.0
39 .	ROLLED EROSION CONTROL, TYPE II	700 SY	\$3.00	\$2,100.0
	CONTINGENCY	15%	\$163,580.50	\$24,537.0

Ectimated	Construction	Costs

\$188,117.58

Estimated Soft Costs

Engineering Design and	
20,00% Construction Administration:	\$37,623.52
1,00% Geotechnical and Testing:	\$1,881.18
5,00% Legal:	\$9,405.88
5.00% Fiscal:	\$11,851.41
7.00% Interest:	\$17,421.57
12 Duration (Months)	

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

Total Estimated Costs:

\$266,301.12



STORM SEWER G.O.



		Approximate		
	Bid Item Description	Quantity Unit	Unit Price	Tota
1.	CLEARING AND GRUBBING GENERAL	1.00 LS	\$2,500.00	\$2,500.0
2.	GENERAL GRADING AND SHAPING	1.00 LS	\$5,000.00	\$5,000.0
3.	CONSTRUCT 18" R.C.P., CLASS III	1100.00 LF	\$25.00	\$27,500.0
4.	CONSTRUCT 24" R.C.P., CLASS III	215.00 LF	\$30.00	\$6,450.0
5.	CONSTRUCT 30" R.C.P., CLASS III	1115.00 LF	\$38.00	\$42,370.0
6.	CONSTRUCT 36" R.C.P., D(0.01) = 1,350	150.00 LF	\$50.00	\$7,500.0
7.	CONSTRUCT 42" R.C.P., D(0.01) = 1,350	129.00 LF	\$68.00	\$8,772.0
8.	CONSTRUCT 48" R.C.P., D(0.01) = 1,350	0.00 LF	\$82.00	\$0.0
9.	CONSTRUCT 18" R.C. FLARED END SECTION	0.00 EA	\$750.00	\$0.0
10 .	CONSTRUCT 24" R.C. FLARED END SECTION	1.00 EA	\$900.00	\$900.0
11 .	CONSTRUCT 36" R.C. FLARED END SECTION	0.00 EA	\$1,200.00	\$0.0
12 .	CONSTRUCT 42" R.C. FLARED END SECTION	1.00 EA	\$1,500.00	\$1,500.
13 .	CONSTRUCT 48" R.C. FLARED END SECTION	0.00 EA	\$2,000.00	\$0.
14 .	CONSTRUCT 54" I.D. FLATTOP MANHOLE (5 EA)	25.00 VF	\$250.00	\$6,250.
15 .	CONSTRUCT 60" I.D. FLATTOP MANHOLE (1 EA)	0.00 VF	\$275.00	\$0.
16 .	CONSTRUCT 84" I.D. FLATTOP MANHOLE (1 EA)	0.00 VF	\$500.00	\$0.
17 .	CONSTRUCT 54" I.D. TYPE II AREA INLET (1 EA)	20.00 VF	\$400.00	\$8,000.
18	CONSTRUCT 18" PIPE BEDDING	1100.00 LF	\$3.00	\$3,300.
19 .	CONSTRUCT 24" PIPE BEDDING	215.00 LF	\$4.00	\$860.
20 .	CONSTRUCT 30" PIPE BEDDING	1115.00 LF	\$5.00	\$5,575.
21 .	CONSTRUCT 36" PIPE BEDDING	150.00 LF	\$7.50	\$1,125.
22 .	CONSTRUCT 42" PIPE BEDDING	129.00 LF	\$10.00	\$1,290.
23 .	CONSTRUCT 48" PIPE BEDDING	0.00 LF	\$14.00	\$0.
24 .	STABILIZE TRENCH W/ CRUSHED LIMESTONE	200.00 TN	\$25.00	\$5,000
25 .	CONSTRUCT POND OUTLET STRUCTURE (BASIN A)	· 7.00 VF	\$1,000.00	\$7,000
26 .	CONSTRUCT POND OUTLET STRUCTURE (BASIN B)	0.00 VF	\$1,000.00	\$0.
20 . 27 .	CONSTRUCT POND OUTLET STRUCTURE (BASIN E)	0.00 VF	\$1,000.00	\$0.
27 . 28 .	CONSTRUCT POND OUTLET STRUCTURE (BASIN G)	0.00 VF	\$1,000.00	\$0
20 . 29 .	CONSTRUCT MANHOLE RING COLLAR	0.00 EA	\$250.00	\$0
30 .	CONSTRUCT RIP-RAP APRON - (NDOR TYPE "B")	60.00 TON	\$36.00	\$2,160
30 . 31 .	CONSTRUCT ROCK RIP-RAP - TYPE "C"	17,00 TON	\$38.00	\$646
31.	CONSTRUCT OUTLET ENERGY DISSIPATION	2.00 EA	\$3,000.00	\$6,000
32	CONSTRUCT TEMPORARY END OF STREET DRAIN	1.00 EA	\$2,000.00	\$2,000
32 33 .	CONSTRUCT ROCK ACCESS ROAD	60.00 TN	\$22.00	\$1,320
33 . 34 .	CONSTRUCT ROCK ACCESS ROAD CONSTRUCT SILT FENCE	400.00 LF	\$3.00	\$1,200
34 . 35 .	CLEANOUT SILT FENCE	250.00 LF	\$1.25	\$312
35. 36.	CLEANOUT SILT PENCE CLEANOUT SILT BASIN	2000.00 CY	\$3.00	\$6,000
30. 37.	SEEDING - TYPE "TEMPORARY SEED MIX"	1.00 AC	\$500.00	\$500
37. 38.	HAY OR STRAW MULCH	1.00 AC	\$450.00	\$450
38. 39.	ROLLED EROSION CONTROL, TYPE II	700.00 SY	\$3.00	\$2,100
	CONTINGENCY	. 15%	\$163,580.50	\$24,537

Cetimated	Construction	Costs:

\$188,117.58

Estimated Soft Costs

Engineering Design and	
20.00% Construction Administration:	\$37,623.52
1,00% Geotechnical and Testing:	\$1,881.18
5,00% Legal:	\$9,405.88
5,00% Fiscal:	\$11,851.41
7.00% Interest:	\$17,421 <u>.57</u>
12 Duration (Months)	

Total Estimated Soft Costs:

2% \$78,183.55

Total Estimated Costs:

\$266,301.12



PAVING MINOR



Assumptions/Comments:

Includes commercial only.

Tota	Unit Price	Approximate Quantity Unit	Bid Item Description	
\$0.00	\$25.00	0 SY	7" CONCRETE PAVEMENT - TYPE L65	1.
\$275,900.00	\$31.00	8900 SY	9" CONCRETE PAVEMENT - TYPE L65	2.
\$7,416.67	\$2.50	2967 CY	COMMON EARTHWORK EXCAVATION	3.
\$0.00	\$250.00	0 EA	MEDIAN NOSE	4 .
\$1,800.00	\$150.00	12 EA	ADJUST MANHOLE TO GRADE	5.
\$4,200.00	\$350.00	12 EA	EXTERNAL FRAME SEAL	6.
\$5,000.00	\$2,500.00	2 EA	CONSTRUCT CURB INLET - TYPE I	7.
\$16,500.00	\$2,750.00	6 EA	CONSTRUCT CURB INLET - TYPE III	8.
			PREFORMED PAVEMENT MARKING TAPE MARKING SYMBOL - WHITE	
\$350,00	\$350.00	1 EA	"ONLY"	9.
			PREFORMED PAVEMENT MARKING TAPE MARKING SYMBOL - WHITE	- •
\$700.00	\$350.00	2 EA	DIRECTIONAL ARROW	10 .
			4" PREFORMED PAVEMENT MARKING TAPE PAVEMENT MARKING -	
\$14,145.00	\$3.00	4715 LF	WHITE	11.
			24" PREFORMED PAVEMENT MARKING TAPE PAVEMENT MARKING -	
\$560.00	\$20.00	28 LF	WHITE	12 .
\$0.00	\$10.00	0 CY	TOPSOIL PLACEMENT	13 .
\$1,200.00	\$3.00	400 LF	CONSTRUCT SILT FENCE	14
\$312,50	\$1.25	250 LF	CLEANOUT SILT FENCE	15
\$3,000.00	\$3.00	1000 CY	CLEANOUT SILT BASIN	16
\$500,00	\$500.00	1 AC	SEEDING - TYPE "TEMPORARY SEED MIX"	17
\$450.00	\$450.00	1 AC	HAY OR STRAW MULCH	18
\$1,550.00	\$1.00	1550 LF	JET EXISTING SEWER	19 .
\$50,037.63		15 %	CONTINGENCY	

Estimated Construction Costs:

\$383,621.79

Estimated Soft Costs

Engineering Design and	
19,00% Construction Administration:	\$72,888.14
2.00% Geotechnical and Testing:	\$7,672.44
5.00% Legal:	\$19,181.09
5.00% Fiscal:	\$24,168.17
7.00% Interest:	\$26,645.41
9 Duration (Months)	<u></u>

Total Estimated Soft Costs:

39% \$150,555.25

Total Estimated Costs:

\$534,177.04

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PAVING IN EXCESS OF 6" THICK

Assumptions/Comments:

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

	Bid It	em Description	Appro	ximate Quantity Unit	Unit Price	Total
1 . 2 .	1" CONCRETE PAVEMENT 3" CONCRETE PAVEMENT			0 SY 0 SY	\$25.55 \$31.00	\$0.00 \$0.00
FORMULA:	7" PAVEMENT QUANTITY - G.O. PAVEMENT QUANTITY	0 SY -0 SY	Estimat	ed Construction Costs:		\$0.00
EODMIII A	0 SY X (1/7") = 0 SY 9" PAVEMENT QUANTITY	8,900 SY	0	Estimate	d Soft Costs	
FORMULA.	- G.O. PAVEMENT QUANTITY	-2,945 SY	5,955	19.00% Engineerir 2.00% Geotechni 5.00% Legal: 5.00% Fiscal:		\$0.00 \$0.00 \$0.00 \$0.00
	5,955 SY X (3/7") = 2,552 SY			7.00% Interest: 9 Duration (,	\$0.00
				stimated Soft Costs:	^{0%} =	\$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
	Bid Item Description	Quantity	- Onit	0111111100		
1.	7" CONCRETE PAVEMENT - TYPE L65	0	SY	\$25.00		\$0.00
2.	9" CONCRETE PAVEMENT - TYPE L65	2945	SY	\$31.00		\$91,295.00
3.	COMMON EARTHWORK EXCAVATION	982	CY	\$2.50		\$2,454.17
4	MEDIAN NOSE	0	EA	\$250.00		\$0.00
5.	ADJUST MANHOLE TO GRADE	5	EA	\$150.00		\$750.00
6.	EXTERNAL FRAME SEAL	0	EA	\$350.00		\$0.00
7.	CONSTRUCT CURB INLET - TYPE I	2	EA	\$2,500.00		\$5,000.00
8.	CONSTRUCT CURB INLET - TYPE III	6	EA	\$2,750.00		\$16,500.00
٠.	PREFORMED PAVEMENT MARKING TAPE MARKING SYMBOL - WHITE			,		
9.	"ONLY"	1	EA	\$350.00		\$350.00
J .	PREFORMED PAVEMENT MARKING TAPE MARKING SYMBOL - WHITE					
^	DIRECTIONAL ARROW	2	EA	\$350.00		\$700.00
0.	DIRECTIONAL ARROW	-	 ,	******		·
4	4" PREFORMED PAVEMENT MARKING TAPE PAVEMENT MARKING - WHITE	4715	I F	\$3.00		\$14,145.00
1.	24" PREFORMED PAVEMENT MARKING TAPE PAVEMENT MARKING -	47.13		ψ0.00		***************************************
_		28	IF	\$20,00		\$560.00
2.	WHITE		CY	\$10.00		\$0.00
3.	TOPSOIL PLACEMENT	400		\$3.00		\$1,200.00
4	CONSTRUCT SILT FENCE	250		\$1.25		\$312.50
5	CLEANOUT SILT FENCE	1000		\$3.00		\$3,000.00
6	CLEANOUT SILT BASIN			\$5.00 \$500.00		\$500.00
17	SEEDING - TYPE "TEMPORARY SEED MIX"	,	AC			\$450.00
8	HAY OR STRAW MULCH		AC	\$450.00		\$0.00
9.	JET EXISTING SEWER	0	LF	\$1.00		Φ0,00
	CONTINGENCY	15	%			\$20,582.50
		Estimated Construc	tion Costs:	-		\$157,799.17
			<u>Estimated</u>	Soft Costs		
			Engineering	Design and		
		19.00%	Constructio	n Administration:		\$29,981.84
				al and Testing:		\$3,155.98
			Legal:	ū		\$7,889.96
			Fiscal:			\$9,941.35
		7.00%	Interest:			\$10,960.34
		9	Duration (M	onths)		
		Total Estimated So	ft Costs:		39%	\$61,929.47
		Total Estimated Co				\$219,728.63

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

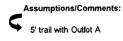
Assumptions/Comments:

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

	Bid l	tem Description		Approximate Quantity	Unit	Unit Price		Total
1 . 2 .	1" CONCRETE PAVEMENT 3" CONCRETE PAVEMENT				SY SY	\$25.55 \$31.00		\$0.00 \$0.00
			Estima	ited Construc	tion Costs:			\$0.00
FORMULA:	7" PAVEMENT QUANTITY	0 SY						
	- G.O. PAVEMENT QUANTITY	-0 SY						
FORMULA:	0 SY X (1/7") = 0 SY		0	2.00%		g Design and al and Testing:		\$0.00 \$0.00 \$0.00
	5,955 SY X (3/7") = 2,552 SY		5,955	7.00%	Fiscal: Interest: Duration (M	lonths)		\$0.00 \$0.00
			Total E	stimated Sof	t Costs:		0%	\$0.00
			Total E	stimated Cos	its:			\$0.00



SIDEWALKS



	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total	
1.	4" CONCRETE SIDEWALK		2.040 SF	\$3.50	\$7,1	140.00
2	SUBGRADE PREPARATION		317 SY	\$2.50	\$7	793,33
3	COMMON EARTH EXCAVATION		150 CY	\$7.00	\$1,0	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		90.00
7	HAY OR STRAW MULCH		1.00 AC	\$450.00	\$4	450.00
	CONTINGENCY		15 %		\$1,6	654.81
		Estimated Co		Costs:	\$12,6	686.88
			Engin	eering Design and		
			24.00% Const	ruction Administration:		044.85
			1.00% Geote	chnical and Testing:		126.87
			5.00% Legal:			634.34
	·		5.00% Fiscal		-	824.65
			7.00% Intere	st: on (Months)	\$1,2	212.23
		Total Estima	ted Soft Cos	ts:	46% \$5,8	842.94
		Total Estima	ted Costs:		\$18,5	529.83



SIDEWALKS G.O.

Assumptions/Comments:



All Sidewalks are G.O.

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total	
1.	4" CONCRETE SIDEWALK		2,040 SF	\$3.50		\$7,140.00
2	SUBGRADE PREPARATION		317 SY	\$2.50		\$793.33
3	COMMON EARTH EXCAVATION		150 CY	\$7.00		\$1,048.74
4	CONSTRUCT CONCRETE CURB RAMP		0 SF	\$9.00		\$0.00
5	CONSTRUCT DETECTABLE WARNING PANEL		0 EA	\$100.00		\$0.00
6	SEEDING - TYPE "NON -IRRIGATED LAWN AND TURF SEED"		1.0 AC	\$1,600.00		\$1,600.00
7	HAY OR STRAW MULCH		1.0 AC	\$450.00		\$450.00
	CONTINGENCY		15 %			\$1,654.81
		Estimated Co	onstruction C	osts:		\$12,686.88
			<u>Estim</u>	ated Soft Costs		
			Engine	eering Design and		
			24.00% Const	ruction Administration:		\$3,044.85
			1.00% Geote	chnical and Testing:		\$126.87
			5.00% Legal:			\$634.34
			5.00% Fiscal			\$824.65
			7.00% Interes			\$1,212.23
			12 Durati	on (Months)		
		Total Estima	ted Soft Cost	s:	46%	\$5,842.94
•		Total Estima	ted Costs:			\$18,529.83



REGULATORY SIGNAGE

Assumptions/Comments:



	Bid Item Description	Approximate Quantity Unit	Unit Price	·	Tota
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		\$500.0
4.	2" SQUARE BLACK METAL POSTS WITH DECORATIVE TOP CAP	· 2 EA	\$375.00		\$750.00
	CONTINGENCY	25%	\$2,450.00		\$612.50
		Estimated Construction Cost	s:		\$3,062.50
		<u>Estimate</u>	d Soft Costs		
		Engineeri	ng Design and		
			ion Administration:		\$765.63
		5.00% Legal:			\$153.13
		5.00% Fiscal:			\$199.06
		7.00% Interest:			\$219.47
		9 Duration (Months)		
		Total Estimated Soft Costs:		44%	\$1,337.28
		Total Estimated Costs:			\$4,399.78

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REGULATORY SIGNAGE - G.O.

Assumptions/Comments:



All signage is G.O.

	Bid Item Description	Approximate Quantity Unit	Unit Price	· · · · · · · · · · · · · · · · · · ·	Tota
1.	STREET SIGN WITH DECORATIVE SWING PROOF BRACKETS	2 EA	\$350.00		\$700.00
2.	"STOP" SIGN (24")	2 EA	\$250.00		\$500.00
3.	SPEED LIMIT SIGN (18"X24")	2 EA	\$250.00		\$500.00
4.	2" SQUARE BLACK METAL POSTS WITH DECORATIVE TOP CAP	2 EA	\$375.00		\$750.00
	CONTINGENCY	25%	\$2,450.00		\$612.50
		Estimated Construction Costs:			\$3,062.50
		<u>Estimated</u>	Soft Costs		
		25,00% Engineering	Design and		\$765.63
		5.00% Legal:			\$153.13
		5.00% Fiscal:			\$199.06
		7.00% Interest:			\$219.47
		9 Duration (M	lonths)		
		Total Estimated Soft Costs:		44%	\$1,337.28
					\$4,399.78



WATER INTERIOR

_Assumptions/Comments:

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

		Approximate		
	Bid Item Description	Quantity Unit	Unit Price	Total
1.	CONSTRUCT 6" WATER MAIN	0 LF	\$20,00	\$0.00
2.	CONSTRUCT 8" WATER MAIN	2.050 LF	\$26.00	\$53,300.00
	CONSTRUCT 12" WATER MAIN	0 LF	\$44.00	\$0.00
3.	*	0 LF	\$3.00	\$0.00
4.	CONSTRUCT 6" PIPE BEDDING	2.050 LF	\$4.00	\$8,200.00
5.	CONSTRUCT 8" PIPE BEDDING	2,030 Er 0 LF	\$6.00	\$0.00
6.	CONSTRUCT 12" PIPE BEDDING	0 LF	\$200.00	\$0.00
7.	BORE AND JACK 16" STEEL CASING	0 EA	\$800.00	\$0.00
8.	CUT IN 12" TEE AND VALVE CONSTRUCT END OF MAIN HYDRANT, GATE VALVE AND TEE ASSEMBLY	0 20	\$000.00	Ψ0.00
9.	AND BACKING BLOCK	0 EA	\$3,600.00	\$0.00
10 .	CONSTRUCT HYDRANT, GATE VALVE AND TEE ASSEMBLY	6 EA	\$3,800.00	\$22,800.00
11 .	CONSTRUCT 12 X 12 X 8 M.J. TEE ASSEMBLY AND BACKING BLOCK	0 EA	\$500.00	\$0.00
12.	CONSTRUCT 8 X 8 X 6 M.J. TEE ASSEMPLY AND BACKING BLOCK	0 EA	\$400.00	\$0.00
	CONSTRUCT 12X12X12X12 CROSS ASSEMBLY	0 EA	\$450.00	\$0.00
13 .	CONSTRUCT 12X12X12X12 CROSS ASSEMBLY	0 EA	\$425,00	\$0.00
14 .		0 EA	\$400.00	\$0.00
15 . 16 .	CONSTRUCT 8X8X6X6 CROSS ASSEMBLY CONSTRUCT M.J. GATE VALVE AND BOX	2 EA	\$1,500.00	\$3,000.00
17 .	CONSTRUCT 12" x 90 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0 EA	\$450.00	\$0.00
,		2.54	6450.00	\$0.00
18 .	CONSTRUCT 12" x 45 DEGREE HORIZONTAL BEND WITH BACKING BLOCK CONSTRUCT 12" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING	0 EA	\$450.00	•
19.	BLOCK	0 EA	\$450.00	\$0.00
20 .	CONSTRUCT 6" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0 EA	\$300.00	\$0.00
21 .	CONSTRUCT 8" X 6" REDUCER	0 EA	\$150.00	\$0.00
22 .	CONSTRUCT 6" X 6" REDUCER	0 EA	\$150.00	\$0.00
22 .	CONSTRUCT CHLORINE TUBE	1 EA	\$1,500.00	\$1,500.00
	CONSTRUCT SAMPLE TAP	2 EA	\$400.00	\$800.00
24 . 25 .	CONSTRUCT SAMPLE TAP CONSTRUCT SILT FENCE	500 LF	\$3.00	\$1,500.00
		15%	\$91,100.00	\$13,665.00
•	CONTINGENCY	1370		
		Estimated Construction Costs:		\$104,765.00
		<u>Estimated</u>	Soft Costs	
		Engineering 24.00% Construction	Design and	\$25,143.60
				\$1,047.65
		1.00% Geotechnic	ai aliu Tesuliy.	\$5,238.25
		5.00% Legal:		\$5,236.23 \$6,809.73
		5.00% Fiscal:		\$6,609.73 \$7,507.72
		7.00% Interest:		\$1,507.72
		9 Duration (N	lonths)	
		Total Estimated Soft Costs:		44% \$45,746.95

Total Estimated Costs:

\$150,511.95

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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 . 2 . 4 .	CAPITAL FACILITIES CHARGES - RESIDENTIAL CAPITAL FACILITIES CHARGES - COMMERCIAL/MIXED USE CAPITAL FACILITIES CHARGES - OUTLOTS (A & E)	0 LOTS 1 LS 0.00 AC	\$1,500.00 \$112,434.33 \$4,200.00	\$0.00 \$112,434.33 \$0.00
		Estimated Construction Costs	Soft Costs	\$112,434.33
		Estimated	Soit Costs	
		2.00% Legal: 5.00% Fiscal: 7.00% Interest: 9 Duration (N	ionths)	\$2,248.69 \$5,734.15 \$6,321.90
		Total Estimated Soft Costs:	13%	\$14,304.74
		Total Estimated Costs:		\$126,739.07



WATER INTERIOR G.O.

Assumptions/Comments:



Price difference for pipes larger than 8" is GO

	Bid Item Description	Approximate Quantity Unit	Unit Price	Total
1.	CONSTRUCT 6" WATER MAIN	0 LF	\$20.00	\$0.00
2.	CONSTRUCT 8" WATER MAIN	0 LF	\$26.00	\$0.00
3.	CONSTRUCT 12" WATER MAIN (OFFSITE)	0 LF	\$44.00	\$0.00
	CONSTRUCT 12" WATER MAIN (COST DIFFERNCE WITH 8")	0 LF	\$15.00	\$0.00
4.	CONSTRUCT 6" PIPE BEDDING	0 LF	\$3.00	\$0.00
5.	CONSTRUCT 8" PIPE BEDDING	0 LF	\$4.00	\$0.00
6.	CONSTRUCT 12" PIPE BEDDING (OFFSITE)	0 LF	\$6.00	\$0,00
• •	CONSTRUCT 12" PIPE BEDDING (OFFSITE)	0 LF	\$2.00	\$0.00
7.	BORE AND JACK 16" STEEL CASING	0 LF	\$200.00	\$0.00
8.	CUT IN 12" TEE AND VALVE	0 EA	\$800.00	\$0.00
δ.	CONSTRUCT END OF MAIN HYDRANT, GATE VALVE AND TEE ASSEMBLY			
^	AND BACKING BLOCK	0 EA	\$3,600.00	\$0.00
9.		0 EA	\$3,800.00	\$0.00
10 .	CONSTRUCT HYDRANT, GATE VALVE AND TEE ASSEMBLY	0 EA	\$500.00	\$0.00
11 .	CONSTRUCT 12 X 12 X 8 M.J. TEE ASSEMBLY AND BACKING BLOCK	0 EA	\$400.00	\$0.00
12 .	CONSTRUCT 8 X 8 X 6 M.J. TEE ASSEMPLY AND BACKING BLOCK	0 EA	\$450.00	\$0.00
13 .	CONSTRUCT 12X12X12X12 CROSS ASSEMBLY			\$0.00
14 .	CONSTRUCT 12X12X8X8 CROSS ASSEMBLY	0 EA	\$425.00	\$0.00
15.	CONSTRUCT 8X8X6X6 CROSS ASSEMBLY	0 EA	\$400.00	• • • • • • • • • • • • • • • • • • • •
16 .	CONSTRUCT M.J. GATE VALVE AND BOX	0 EA	\$1,500.00	\$0.00
17 .	CONSTRUCT 12" x 90 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0 EA	\$450.00	\$0.00
18 .	CONSTRUCT 12" x 45 DEGREE HORIZONTAL BEND WITH BACKING BLOCK CONSTRUCT 12" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING	0 EA	\$450.00	\$0.00
19 .	BLOCK	0 EA	\$450.00	\$0.00
20 .	CONSTRUCT 6" x 22.5 DEGREE HORIZONTAL BEND WITH BACKING BLOCK	0 EA	\$300.00	\$0.00
21 .	CONSTRUCT 8" X 6" REDUCER	0 EA	\$150.00	\$0.00
	CONSTRUCT 6" X 6" REDUCER	0 EA	\$150.00	\$0.00
22 .	CONSTRUCT CHLORINE TUBE	1 EA	\$1,500.00	\$1,500.00
23 .		2 EA	\$400.00	\$800.00
24 .	CONSTRUCT SAMPLE TAP	500 LF	\$3.00	\$1,500.00
25 .	CONSTRUCT SILT FENCE	300 Li	Ψ0.00	•
26 .	CONTINGENCY	15.00 %		\$570.00
		Estimated Construction Costs	3:	\$4,370.00
		<u>Estimated</u>	Soft Costs	
			ng Design and ion Administration:	\$1,048.80
		1.00% Geotechni		\$43.7
		5.00% Legal:		\$218.5
		5.00% Legal. 5.00% Fiscal:		\$284.0
		7.00% Interest:		\$313.1
		9 Duration (Months)	
		Total Estimated Soft Costs:	44	1% <u>\$1,908.2</u>
		Total Estimated Costs:		\$6,278.2

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POWER- Residential



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	
		Engineering Des	ion and	
		25.00% Construction Ad		\$0.00
		5.00% Legal :		\$0.00
		5.00% Fiscal:		\$0.00
		7,00% Interest: 9 Duration (Month	s) =	\$0.00
		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 Uni	t Unit Price	Tota
1.	UNDERGROUND SERVICE - COMMERCIAL	46.24 AC	\$3,580.00	\$165,539.2
		Estimated Construction (Costs:	\$165,539.2
		<u>Estin</u>	nated Soft Costs	
		5.00% Legal 5.00% Fisca 7.00% Intere	ıl:	\$41,384.8 \$8,276.9 \$10,760.0 \$11,862.9
		Total Estimated Soft Cos	sts:	44% \$72,284.7
		Total Estimated Costs:		\$237,823.9

DECORATIVE STREET LIGHTS





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 So	oft Costs	
		0.00% Engineering Design and 5.00% Legal: 5.00% Fiscal: 7.00% Interest: 6 Duration (Months)		\$0.00 \$1,025.00 \$1,076.25 \$791.04
		Total Estimated Soft Costs:	14%	\$2,892.29
		Total Estimated Costs:		\$23,392.29

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Plan Review Fee

Assumptions/Comments:



	Bid Item Description	Construction Cost	Plan Review Fee	Total
1.	SANITARY SEWER - INTERIOR	\$84,593.77	1,00%	\$845.94
2.	SANITARY SEWER - OUTFALL	\$0.00	1.00%	\$0.00
3.	STORM SEWER	\$188,117.58	1.00%	\$1,881.18
4.	PAVING MINOR	\$383,621.79	1.00%	\$3,836.22
5.			1.00%	\$0.00
6.			1.00%	\$0.00
7.	SIDEWALKS	\$12,686.88	1.00%	\$126.87
8.			1.00%	\$0.00
9 .	WATER INTERIOR	\$104,765.00	1.00%	\$1,047.65
		Estimated Construction Costs: Estimated Soft Costs 5.00% Fiscal: 7.00% Interest: 12 Duration (Months)		\$7,737.85
				\$386.89 \$568.73
		Total Estimated Soft Co	,	2% \$955.62
		Total Estimated Costs:		\$8,693.47