



21 South Elm Street • Zeeland, Michigan 49464 • (616) 772-6400 • FAX (616) 772-5352

CITY COUNCIL MEMORANDUM

TO: Mayor Klynstra and City Councilmembers
FROM: Tim Klunder, City Manager
SUBJECT: Elm Street and Park Construction Bid Award and Budget Approval
DATE: March 17, 2017
CC: March 20th Council Agenda

BACKGROUND: On March 15th the city opened bids for the reconstruction of Elm Street from Lincoln to Washington which also includes snowmelt (outside portion) and brick pavers in the block from Cherry to Main for the Woonerf; development of a park at the corner of Cherry/Elm; and water, sanitary and storm sewer improvements in various portions of the project. As City Council is aware, this is not a typical street reconstruction project. The bids for the portion of the project referenced above did come in slightly over our estimated budget. We will detail the breakdown of the budget further below. What you will find is that while the amount is slightly more than anticipated we do feel there are adequate resources to fund the project.

You will note that the bid being considered on Monday evening does not include the portion of work (boilers) that will be needed within City Hall to make the snow melt system operational and to heat City Hall. That portion of the project will be bid separately. However, we do want to ensure that City Council is aware of estimates for that portion of the work when contemplating the bid award on Monday evening and thus we will discuss those estimates within this memo.

The estimated cost for the boilers inside City Hall along with the associated heat exchanger and pumps is \$250,000. As we developed the budget proposal for Fiscal Year 2017/2018 for the work inside of City Hall we estimated \$135,000. Due to the bid environment with mechanical contractors that work is now anticipated to be much higher. Again, that portion of the project is not being considered on Monday evening. That bid will come at a later time. But we did want to make City Council aware of that portion of the project to get an idea of the total scope of work.

A few other items of the project that are not within the scope of the bid award for Monday evening are the removal of the canopy awning at 16 S. Elm, installation of a shade structure (similar the one in the splash pad) at the new park, or the purchase of a synthetic ice surface also to be installed at the new park. We are recommending the incorporation of those items into the budget approval process on Monday evening.

FEEL THE ZEEL



The recommended bid award for Monday evening is to Nagel Construction in the amount of \$1,527,670.10 (see attached). The engineer's estimate was \$1,500,000 for this portion of the work. With a provision for contingencies, engineering, and an allowance for a shade structure, canopy removal and the purchase of a synthetic ice surface, we are recommending a project budget of \$2,035,600 to be considered at Monday's meeting. Moore & Bruggink's budget letter (attached) did not include the purchase of the synthetic ice surface which we estimate at \$35,600 – thus the difference between our recommended budget of \$2,035,000 and the \$2 million referenced in their letter. Again, this budget recommendation for Monday does not include the boilers and associated inside snow melt system components currently estimated at \$250,000. We feel that should be a separate project budget when we are ready to recommend that bid award. When combining the two however the total estimated project costs are \$2,285,600.

Comparing the updated total estimated project costs with the amount we have been anticipating notes that we are \$150,600 (7%) over our previous estimate of \$2,135,000. A breakdown of the costs we have been anticipating between the current fiscal year (16/17) and the upcoming fiscal year (17/18) for the work associated with Monday's bid award along with an estimated cost for the inside boiler work is noted below.

<u>Fund</u>	<u>Previous Estimate</u>	<u>Updated Estimate</u>	<u>Difference</u>
Municipal Street (Major)	\$1,150,000	\$1,160,935	\$ 10,935
Municipal Street (Local)	\$ 150,000	\$ 167,421	\$ 17,421
Park Improvement w/ ice	\$ 275,000	\$ 278,113	\$ 3,113
BPW Water	\$ 350,000	\$ 343,031	(\$ 6,969)
Sanitary Sewer	\$ 75,000	\$ 86,100	\$ 11,100
Facility Maint. (Boilers)	\$ 135,000	\$ 250,000	\$115,000
Total:	\$2,135,000	\$2,285,600	(\$150,600)

In spite of the fact that our updated estimates are about 7% more than we previously estimated we do feel there are adequate resources for the project between the funds. A reminder on some of the various sources of funds is in order and on a separate attachment we have attempted to provide an analysis of how all of this fits into the larger picture of our various funds.

In addition to our typical funding sources of street funds (largely subsidized by the General Fund), water and sanitary sewer funds, we will be utilizing the \$300,000 in state reimbursement for personal property tax losses in the current fiscal year that we did not budget for at the beginning of the fiscal year. We have also received a \$30,000 Community Foundation Grant to help with the purchase of the synthetic ice surface. That grant agreement will be on Monday's agenda as well. We also secured a \$25,000 community contribution from the Zeeland Board of Public Works for the current fiscal year. We will seek that same award with the budget that starts July 1. For the Facility Maintenance Fund we have had numerous projects over the past years that have come in under budget that enabled the city to build a healthy cash reserve in that fund. Those cash reserves will be utilized to fund the inside boiler work and associated snow melt components that will be located within City Hall.



To give City Council a better idea of how all of this funding plays into the overall picture of each fund we have attached a spreadsheet that shows a comparison of the current budget for FY 16/17, the proposed budget for FY 17/18 and what the projected project costs associated with the Elm Street project are now estimated to be. When we develop the budget proposal for the upcoming fiscal year (2017/2018 in this case) we work around the projected activity costs in the current fiscal year (16/17). This provides us with a more accurate estimate of where each fund will close the year rather than utilizing budget figures that may no longer be accurate. To reconcile those differences we then bring forth proposed budget amendments for City Council's consideration. We anticipate bringing forth budget amendments for the current year (16/17) at your second meeting in April. With all that said, the point I am trying to convey is that while our current adopted budget may not reflect all of the project costs associated with the Elm Street project, we have been contemplating those costs in our fiscal estimates and we are confident that our funding sources are available.

With that, I would like to turn your attention to an attached spreadsheet title "Elm Street Project – Estimated Budget Implications based on Bid Award". In each case you will find that our projected ending fund balance at the end of Fiscal Year 17/18, with the new estimated project costs factored into our projections, are at amounts higher than the amounts we anticipated at the end of the FY 16/17 budget with the exception of the Street Fund and Facility Maintenance Fund. In each case, because of previous projects finishing under budget we have built sufficient fund balance to absorb anticipated additional costs such that the fund balances will remain healthy.

There is no question that this is confusing fiscal analysis for this project given the many funding sources and due to the fact we are looking at multiple bid awards. However, I am hopeful that staff has displayed that there are adequate resources for the project albeit updated estimates are slightly higher than we anticipated in our previous estimates. We will certainly cover all of this at Monday's meeting to ensure City Council has a comfort level with our funding sources.

While a good deal of this memo has discussed our anticipated overall project costs, for Monday's meeting we are looking for City Council to award the bid work for Nagel Construction's portion of the project along with setting a project budget for all of the work except for the work that will incur inside of City Hall for boiler replacement/addition, heat exchanger, and pumps (inside snow melt work and City Hall heat system).

RECOMMENDATION: Staff recommends that City Council move to approve the bid for the Elm Street Reconstruction project in the amount of \$1,527,670.10 from Nagel Construction and to set a project budget for said work along canopy removal, shade shelter purchase, and synthetic ice purchase in the amount of \$2,035,600.

A handwritten signature in black ink, appearing to read 'Timothy R. Klunder', is written over a horizontal line.

Timothy R. Klunder, City Manager

Elm Street Project (Estimated Budget Implications based on Bid Award)

3/17/2017

	FY 16/17	FY 16/17	FY 17/18	FY 17/18	
	<u>Amend. Budget</u>	<u>Proj. Activity</u>	<u>Proposed Budget</u>	<u>Projected Activity</u>	Elm Street Totals
General Fund					
Trans. Out - City Park Improvement	\$ (350,000.00)	\$ (650,000.00)	\$ (400,000.00)	\$ (400,000.00)	
Trans. Out - Municipal Street Fund	\$ (500,000.00)	\$ (500,000.00)	\$ (1,150,000.00)	\$ (1,150,000.00)	
Trans. Out - City Building Fund	\$ -	\$ -	\$ -	\$ -	
Estimated Ending Fund Balance:	\$ 3,210,089.00	\$ 3,305,198.00	\$ 3,636,168.00	\$ 3,636,168.00	
City Park Improvement Fund					
BPW Grant	\$ -	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	
Community Foundation Grant	\$ -	\$ 30,000.00	\$ -	\$ -	
Transfer In - General Fund	\$ 350,000.00	\$ 650,000.00	\$ 400,000.00	\$ 400,000.00	
Elm Street Park with ice surface	\$ -	\$ (278,113.00)	\$ -	\$ -	\$ (278,113.00)
Huizenga Playground	\$ (400,000.00)	\$ (35,750.00)	\$ (558,250.00)	\$ (558,250.00)	
Estimated Ending Fund Balance	\$ (10,758.00)	\$ 426,329.00	\$ 297,692.00	\$ 294,579.00	
Municipal Street Fund					
Transfer In - General Fund	\$ 500,000.00	\$ 500,000.00	\$ 1,150,000.00	\$ 1,150,000.00	
Elm - Major Street Portion	\$ -	\$ (910,935.00)	\$ (250,000.00)	\$ (250,000.00)	\$ (1,160,935.00)
Elm - Local Street Portion	\$ -	\$ -	\$ (150,000.00)	\$ (167,421.00)	\$ (167,421.00)
Roosevelt (Sewer Related)	\$ (75,000.00)	\$ -	\$ -	\$ -	
Park (Main to Rich)	\$ (400,000.00)	\$ (275,000.00)	\$ -	\$ -	
101st (BL196 - Lee)	\$ (600,000.00)	\$ -	\$ (550,000.00)	\$ (550,000.00)	
Colonial (Main/Washington)	\$ (300,000.00)	\$ -	\$ (230,000.00)	\$ (230,000.00)	
Jefferson (Wash/Central)	\$ -	\$ (380,000.00)	\$ -	\$ -	
Alpine (Jefferson/Colonial)	\$ -	\$ -	\$ (280,000.00)	\$ (280,000.00)	
Estimated Ending Fund Balance	\$ 637,214.00	\$ 477,279.00	\$ 427,214.00	\$ 398,858.00	
Facility Maintenance Fund					
Transfer In - General Fund	\$ -	\$ -	\$ -	\$ -	
City Hall Boiler System	\$ -	\$ -	\$ (135,000.00)	\$ (250,000.00)	\$ (250,000.00)
Estimated Ending Fund Balance:	\$ 541,823.00	\$ 651,119.00	\$ 460,077.00	\$ 345,077.00	
Clean Water Plant Fund					
Transfer In - General Fund	\$ -	\$ -	\$ -	\$ -	
Sewer Related Work	\$ -	\$ -	\$ (75,000.00)	\$ (86,100.00)	\$ (86,100.00)
Cash Balance:	\$ 4,316,781.00	\$ 5,309,248.00	\$ 5,413,651.00	\$ 5,402,551.00	
Water Fund					
Transfer In - General Fund	\$ -	\$ -	\$ -	\$ -	
Water Related Work	\$ (350,000.00)	\$ (343,031.00)	\$ -	\$ -	\$ (343,031.00)
Estimated Ending Fund Balance:	\$ 7,263,902.00	\$ 7,978,517.00	\$ 8,865,816.00	\$ 8,872,785.00	
					\$ (2,285,600.00)



MOORE & BRUGGINK, INC.
consulting engineers

March 17, 2017

Re: Elm Street Reconstruction
Project No. 160157.01

Mr. Tim Klunder, City Manager
City of Zeeland
21 South Elm Street
Zeeland, MI 49464

Mr. Chuck Van Der Kolk, General Manager
Zeeland BPW
350 East Washington Avenue
Zeeland, MI 49464

Dear Mr. Klunder and Mr. Van Der Kolk:

Based on our recommendation to award a contract on the **Elm Street Reconstruction** project in the amount of \$1,527,670.10, we hereby estimate the total project budget as follows:

PROJECT COSTS

Low Bid (Nagel Construction)	\$1,527,670
Signing, shade structure, awning remove, misc.	\$25,000
Contingencies	\$97,330
Subtotal Construction Costs	<u>\$1,650,000</u>
Design Engineering	
- Utilities, Streets	\$55,000
- Woonerf and park	\$27,000
- Snowmelt, Electrical (PAE)	\$45,000
Neighborhood meetings, hearings	\$4,000
Soil Borings	\$7,500
Permit Applications	\$2,500
Construction Staking	\$24,000
Construction Inspection and Engineering	\$185,000
Subtotal Project Costs	<u>\$350,000</u>

TOTAL ESTIMATED BUDGET \$2,000,000

We also note that in order to complete the snowmelt portion of the project, a separate contract will be necessary for placement of new boilers, heat exchangers, pumps, and controls inside the basement of City Hall. Our sub-consultant, Progressive Architects and Engineers, have estimated construction cost of this work at \$250,000. Design fees are included in the budget costs tabulated

Mr. Tim Klunder
Mr. Chuck Van Der Kolk
March 17, 2017
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above. Bidding is expected to take place in April. Funding for this portion of the work is partially included in the building maintenance fund.

The funding for this project will be split between multiple City sources. The City Clean Water Plant Fund will be used for the sanitary sewer construction; the City Street Funds (major and local) will cover other street improvements; City General Funds will be used for the park area; and the Zeeland BPW will fund water main related costs and one half of the road work from Lincoln Avenue to Central Avenue.

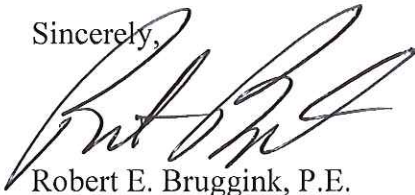
We have analyzed the bid pay items to appropriately assign costs to the various categories (sent to you under separate cover) and assigned project funding costs as follows:

	Bid Amt.	Contingency	Engineering & Administration	Total
Wastewater	\$67,700	\$3,400	\$15,000	\$86,100
Local Streets	\$131,621	\$6,500	\$29,300	\$167,421
Major Streets	\$885,785	\$72,000	\$203,150	\$1,160,935
BPW Street	\$75,281	\$3,730	\$16,750	\$95,761
BPW WM	\$194,270	\$9,700	\$43,300	\$247,270
Park, General	\$173,013	\$27,000	\$42,500	\$242,513
Totals	\$1,527,670	\$122,330	\$350,000	\$2,000,000

We spoke with a representative from Nagel Construction and confirmed their commitment to the project and the August 26, 2017 completion date. Work is expected to begin in April after the snow has melted and frost laws are taken off the roads. The contractor will be working diligently to get the woonerf area to a completion level such that the City can safely open the splash pad on the weekend of June 10.

If you have any questions, please contact me.

Sincerely,



Robert E. Bruggink, P.E.
Project Engineer

REB/pim



MOORE & BRUGGINK, INC.
consulting engineers

March 17, 2017

Re: Elm Street Reconstruction
Project No. 160157.01

Mr. Tim Klunder, City Manager
City of Zeeland
21 South Elm Street
Zeeland, MI 49464

Mr. Chuck Van Der Kolk, General Manager
Zeeland BPW
350 East Washington Avenue
Zeeland, MI 49464

Dear Mr. Klunder and Mr. Van Der Kolk:

Six bids were received at 11 a.m., on Wednesday, March 15, 2017, for the *Elm Street Reconstruction* project. All bids were reviewed and checked for accuracy. Enclosed is a copy of the tabulation of bids.

Nagel Construction submitted the low bid for the project in the amount of \$1,527,670.10. The engineer's estimate was \$1,500,000.00.

The low bidder has a satisfactory performance record on previous projects, and we recommend that a contract be awarded to Nagel Construction in the amount of \$1,527,670.10.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Rob Bruggink', is written over the word 'Sincerely,'.

Robert E. Bruggink, P.E.
Project Engineer

REB/pim
Enclosure

cc: Bruce Morren, Nagel Construction

MOORE & BRUGGINK, INC.

TABULATION OF BIDS

PROJECT: Elm Street Reconstruction – Project No. 160157.01

OWNER: City of Zeeland, 21 South Elm Street, Zeeland, Michigan 49464

BIDS RECEIVED: Wednesday, March 15, 2017

ITEM NO.	PROPOSAL ITEM	UNIT	ESTIMATED QUANTITY	ENGINEER'S ESTIMATE PRICE	ESTIMATE AMOUNT	NAGEL CONSTRUCTION PRICE	CONSTRUCTION AMOUNT	DYKEMA EXCAVATORS INC. PRICE	AMOUNT	LODESTAR CONSTRUCTION, INC.		BRENNER EXCAVATING INC.		KAMMINGA & ROODVOETS INC.		SCHIPPERS EXCAVATING, INC.	
										PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
SANITARY SEWER ITEMS																	
1	Remove Existing Sanitary Sewer & Laterals	Lsum	1	\$7,500.00	\$7,500.00	\$15,000.00	\$15,000.00	\$1,000.00	\$1,000.00	\$8,900.00	\$8,900.00	\$28,000.00	\$28,000.00	\$2,500.00	\$2,500.00	\$10,000.00	\$10,000.00
2	Remove Existing Sanitary Manhole	Ea	2	\$350.00	\$700.00	\$200.00	\$400.00	\$500.00	\$1,000.00	\$500.00	\$1,000.00	\$564.50	\$1,129.00	\$400.00	\$800.00	\$500.00	\$1,000.00
3	8" Sanitary Sewer- D3034, SDR35, Including Sand Backfill	Ft	455	\$50.00	\$22,750.00	\$68.00	\$30,940.00	\$77.75	\$35,376.25	\$75.00	\$34,125.00	\$43.80	\$19,929.00	\$40.00	\$18,200.00	\$90.00	\$40,950.00
4	6" Sanitary Lateral SDR35, including Sand Backfill	Ft	200	\$35.00	\$7,000.00	\$46.00	\$9,200.00	\$76.10	\$15,220.00	\$75.00	\$15,000.00	\$42.00	\$8,400.00	\$50.00	\$10,000.00	\$55.00	\$11,000.00
5	4" Diameter Sanitary Manhole	Ea	2	\$3,000.00	\$6,000.00	\$3,200.00	\$6,400.00	\$2,815.25	\$5,630.50	\$2,500.00	\$5,000.00	\$3,406.00	\$6,812.00	\$3,000.00	\$6,000.00	\$3,800.00	\$7,600.00
6	8"x6" Sanitary Wye	Ea	12	\$250.00	\$3,000.00	\$240.00	\$2,880.00	\$208.50	\$2,502.00	\$300.00	\$3,600.00	\$304.50	\$3,654.00	\$400.00	\$4,800.00	\$200.00	\$2,400.00
7	Sanitary Sewer Lateral Connection	Ea	12	\$250.00	\$3,000.00	\$240.00	\$2,880.00	\$362.50	\$4,350.00	\$150.00	\$1,800.00	\$254.00	\$3,048.00	\$200.00	\$2,400.00	\$200.00	\$2,400.00
Subtotal Sanitary Sewer Items					\$49,950.00		\$67,700.00		\$65,078.75		\$69,425.00		\$70,972.00		\$44,700.00		\$75,350.00
WATER MAIN ITEMS																	
8	Remove Existing Water Main, Hydrants and Fittings	Lsum	1	\$13,500.00	\$13,500.00	\$20,000.00	\$20,000.00	\$7,800.00	\$7,800.00	\$38,000.00	\$38,000.00	\$11,610.00	\$11,610.00	\$2,500.00	\$2,500.00	\$17,000.00	\$17,000.00
9	16" D.I. Water Main, CI 53 (with Poly-wrap), Incl. Sand Backfill	Ft	25	\$150.00	\$3,750.00	\$270.00	\$6,750.00	\$195.80	\$4,895.00	\$350.00	\$8,750.00	\$236.50	\$5,912.50	\$175.00	\$4,375.00	\$150.00	\$3,750.00
10	8" D.I. Water Main, CI 53 (with Poly-wrap), Incl. Sand Backfill	Ft	1,430	\$60.00	\$85,800.00	\$78.00	\$111,540.00	\$63.00	\$90,090.00	\$75.00	\$107,250.00	\$72.50	\$103,675.00	\$70.00	\$100,100.00	\$75.00	\$107,250.00
11	6" D.I. Water Main, CI 53 (with Poly-wrap), Incl. Sand Backfill	Ft	60	\$45.00	\$2,700.00	\$70.00	\$4,200.00	\$55.50	\$3,330.00	\$50.00	\$3,000.00	\$57.80	\$3,468.00	\$65.00	\$3,900.00	\$65.00	\$3,900.00
12	16" 45 Deg Bends	Ea	4	\$1,500.00	\$6,000.00	\$1,850.00	\$7,400.00	\$2,445.30	\$9,781.20	\$1,100.00	\$4,400.00	\$2,281.00	\$9,124.00	\$1,200.00	\$4,800.00	\$1,400.00	\$5,600.00
13	8" Valve and Box	Ea	3	\$1,500.00	\$4,500.00	\$1,350.00	\$4,050.00	\$1,660.80	\$4,982.40	\$1,250.00	\$3,750.00	\$1,762.00	\$5,286.00	\$1,400.00	\$4,200.00	\$1,400.00	\$4,200.00
14	8"x8"x6" Tee	Ea	1	\$500.00	\$500.00	\$600.00	\$600.00	\$648.00	\$648.00	\$350.00	\$350.00	\$567.50	\$567.50	\$900.00	\$900.00	\$600.00	\$600.00
15	8"x6" Reducer	Ea	3	\$500.00	\$1,500.00	\$450.00	\$1,350.00	\$344.10	\$1,032.30	\$190.00	\$570.00	\$395.50	\$1,186.50	\$400.00	\$1,200.00	\$400.00	\$1,200.00
16	8" Sleeve	Ea	5	\$800.00	\$4,000.00	\$450.00	\$2,250.00	\$1,483.70	\$7,418.50	\$2,500.00	\$12,500.00	\$436.50	\$2,182.50	\$1,500.00	\$7,500.00	\$1,500.00	\$7,500.00
17	8" Bend	Ea	12	\$400.00	\$4,800.00	\$450.00	\$5,400.00	\$381.20	\$4,574.40	\$225.00	\$2,700.00	\$500.00	\$6,000.00	\$700.00	\$8,400.00	\$400.00	\$4,800.00
18	6" Valve and Box	Ea	2	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00	\$1,231.50	\$2,463.00	\$1,000.00	\$2,000.00	\$1,208.00	\$2,416.00	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00
19	5" Hydrant	Ea	1	\$2,800.00	\$2,800.00	\$2,700.00	\$2,700.00	\$2,680.00	\$2,680.00	\$2,500.00	\$2,500.00	\$3,231.00	\$3,231.00	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00
20	Hyd. Extension 6"	Ea	1	\$500.00	\$500.00	\$500.00	\$500.00	\$581.50	\$581.50	\$400.00	\$400.00	\$560.00	\$560.00	\$600.00	\$600.00	\$400.00	\$400.00
21	6" Sleeve	Ea	5	\$825.00	\$4,125.00	\$360.00	\$1,800.00	\$1,430.70	\$7,153.50	\$2,500.00	\$12,500.00	\$608.50	\$3,042.50	\$1,400.00	\$7,000.00	\$1,200.00	\$6,000.00
22	1" Copper Water Service	Ft	240	\$22.00	\$5,280.00	\$23.00	\$5,520.00	\$25.30	\$6,072.00	\$30.00	\$7,200.00	\$28.30	\$6,792.00	\$45.00	\$10,800.00	\$20.00	\$4,800.00
23	1" Corporation	Ea	12	\$250.00	\$3,000.00	\$160.00	\$1,920.00	\$688.30	\$8,259.60	\$200.00	\$2,400.00	\$235.00	\$2,820.00	\$300.00	\$3,600.00	\$300.00	\$3,600.00
24	1" Curb Stop and Box	Ea	12	\$300.00	\$3,600.00	\$285.00	\$3,420.00	\$800.70	\$9,608.40	\$175.00	\$2,100.00	\$335.00	\$4,020.00	\$400.00	\$4,800.00	\$250.00	\$3,000.00
25	1.5" Copper Water Service	Ft	150	\$25.00	\$3,750.00	\$30.00	\$4,500.00	\$27.80	\$4,170.00	\$40.00	\$6,000.00	\$37.20	\$5,580.00	\$60.00	\$9,000.00	\$28.00	\$4,200.00
26	1.5" Corporation	Ea	5	\$500.00	\$2,500.00	\$370.00	\$1,850.00	\$865.00	\$4,325.00	\$800.00	\$4,000.00	\$415.00	\$2,075.00	\$600.00	\$3,000.00	\$440.00	\$2,200.00
27	1.5" Curb Stop and Box	Ea	5	\$500.00	\$2,500.00	\$480.00	\$2,400.00	\$947.00	\$4,735.00	\$350.00	\$1,750.00	\$489.50	\$2,447.50	\$600.00	\$3,000.00	\$400.00	\$2,000.00
28	2" Copper Water Service	Ft	20	\$30.00	\$600.00	\$43.00	\$860.00	\$34.50	\$690.00	\$65.00	\$1,300.00	\$51.20	\$1,024.00	\$70.00	\$1,400.00	\$40.00	\$800.00
29	2" Corporation	Ea	1	\$550.00	\$550.00	\$680.00	\$680.00	\$950.00	\$950.00	\$1,050.00	\$1,050.00	\$727.50	\$727.50	\$900.00	\$900.00	\$580.00	\$580.00
30	2" Curb Stop and Box	Ea	1	\$550.00	\$550.00	\$880.00	\$880.00	\$1,035.00	\$1,035.00	\$425.00	\$425.00	\$681.50	\$681.50	\$800.00	\$800.00	\$550.00	\$550.00
31	Water Service Connection	Ea	17	\$250.00	\$4,250.00	\$100.00	\$1,700.00	\$356.00	\$6,052.00	\$175.00	\$2,975.00	\$218.50	\$3,714.50	\$300.00	\$5,100.00	\$300.00	\$5,100.00
Subtotal Water Main Items					\$163,055.00		\$194,270.00		\$193,326.80		\$227,870.00		\$188,143.50		\$192,875.00		\$193,530.00

ITEM NO.	PROPOSAL ITEM	UNIT	ESTIMATED QUANTITY	ENGINEER'S ESTIMATE PRICE	ESTIMATE AMOUNT	NAGEL CONSTRUCTION		DYKEMA EXCAVATORS INC.		LODESTAR CONSTRUCTION, INC.		BRENNER EXCAVATING INC.		KAMMINGA & ROODVOETS INC.		SCHIPPERS EXCAVATING, INC.	
						PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
IMPROVEMENT ITEMS																	
32	Traffic Control Devices	Lsum	1	\$35,000.00	\$35,000.00	\$14,415.00	\$14,415.00	\$39,415.00	\$39,415.00	\$14,000.00	\$14,000.00	\$50,000.00	\$50,000.00	\$252,350.00	\$252,350.00	\$70,000.00	\$70,000.00
33	Inlet Protection	Ea	15	\$125.00	\$1,875.00	\$150.00	\$2,250.00	\$140.00	\$2,100.00	\$125.00	\$1,875.00	\$89.70	\$1,345.50	\$125.00	\$1,875.00	\$150.00	\$2,250.00
34	Remove Tree, > 37"	Ea	1	\$1,500.00	\$1,500.00	\$2,650.00	\$2,650.00	\$3,050.00	\$3,050.00	\$2,650.00	\$2,650.00	\$2,162.00	\$2,162.00	\$2,650.00	\$2,650.00	\$2,500.00	\$2,500.00
35	Cold Mill, 1-1/2" Depth	Syd	700	\$2.50	\$1,750.00	\$5.00	\$3,500.00	\$5.00	\$3,500.00	\$8.00	\$5,600.00	\$3.90	\$2,730.00	\$5.00	\$3,500.00	\$5.00	\$3,500.00
36	Remove & Salvage Decorative Street Light Poles	Ea	10	\$125.00	\$1,250.00	\$225.00	\$2,250.00	\$375.00	\$3,750.00	\$225.00	\$2,250.00	\$540.50	\$5,405.00	\$450.00	\$4,500.00	\$650.00	\$6,500.00
37	Remove & Salvage Brick Pavers	Sft	3,500	\$2.00	\$7,000.00	\$3.25	\$11,375.00	\$4.25	\$14,875.00	\$20.00	\$70,000.00	\$3.00	\$10,500.00	\$2.50	\$8,750.00	\$4.00	\$14,000.00
38	Drainage Structure, Remove	Ea	2	\$400.00	\$800.00	\$150.00	\$300.00	\$250.00	\$500.00	\$500.00	\$1,000.00	\$376.50	\$753.00	\$400.00	\$800.00	\$400.00	\$800.00
39	Curb and Gutter, 6" to 24", Remove	Ft	3,100	\$4.00	\$12,400.00	\$3.00	\$9,300.00	\$3.00	\$9,300.00	\$2.25	\$6,975.00	\$4.10	\$12,710.00	\$4.00	\$12,400.00	\$5.00	\$15,500.00
40	Concrete Sidewalk and Drives, Rem.	Syd	2,200	\$4.00	\$8,800.00	\$2.00	\$4,400.00	\$9.00	\$19,800.00	\$3.00	\$6,600.00	\$4.15	\$9,130.00	\$6.00	\$13,200.00	\$6.00	\$13,200.00
41	Storm Sewer, Remove, 6"-18"	Lsum	1	\$1,200.00	\$1,200.00	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00	\$5,000.00	\$5,000.00	\$5,747.00	\$5,747.00	\$500.00	\$500.00	\$10,000.00	\$10,000.00
42	Drainage Structure Covers	Lb	6,300	\$2.00	\$12,600.00	\$2.00	\$12,600.00	\$1.25	\$7,875.00	\$2.00	\$12,600.00	\$1.65	\$10,395.00	\$2.00	\$12,600.00	\$2.50	\$15,750.00
43	8" Storm Sewer, PVC, SDR 35 STAB	Ft	50	\$30.00	\$1,500.00	\$34.00	\$1,700.00	\$24.35	\$1,217.50	\$50.00	\$2,500.00	\$26.10	\$1,305.00	\$30.00	\$1,500.00	\$40.00	\$2,000.00
44	12" Storm Sewer, C76III, including Sand Backfill	Ft	455	\$35.00	\$15,925.00	\$40.00	\$18,200.00	\$56.00	\$25,480.00	\$50.00	\$22,750.00	\$31.30	\$14,241.50	\$40.00	\$18,200.00	\$45.00	\$20,475.00
45	6" Underdrain, Rigid, w/sock	Ft	2,500	\$8.00	\$20,000.00	\$6.00	\$15,000.00	\$10.05	\$25,125.00	\$9.00	\$22,500.00	\$8.55	\$21,375.00	\$4.00	\$10,000.00	\$9.00	\$22,500.00
46	4' Diameter Storm Manhole	Ea	3	\$1,300.00	\$3,900.00	\$2,720.00	\$8,160.00	\$2,685.00	\$8,055.00	\$2,000.00	\$6,000.00	\$1,594.00	\$4,782.00	\$2,000.00	\$6,000.00	\$2,000.00	\$6,000.00
47	4' Diameter Catch Basin	Ea	4	\$1,200.00	\$4,800.00	\$4,410.00	\$17,640.00	\$2,870.00	\$11,480.00	\$3,000.00	\$12,000.00	\$1,552.00	\$6,208.00	\$2,000.00	\$8,000.00	\$2,200.00	\$8,800.00
48	2' Diameter Yard Basin	Ea	1	\$800.00	\$800.00	\$1,480.00	\$1,480.00	\$2,005.00	\$2,005.00	\$1,500.00	\$1,500.00	\$1,178.00	\$1,178.00	\$900.00	\$900.00	\$1,700.00	\$1,700.00
49	Sewer Tap, 6"	Ea	10	\$130.00	\$1,300.00	\$220.00	\$2,200.00	\$400.00	\$4,000.00	\$250.00	\$2,500.00	\$274.50	\$2,745.00	\$300.00	\$3,000.00	\$650.00	\$6,500.00
50	12" Sand Subbase, CIP	Cyd	1,950	\$6.00	\$11,700.00	\$2.00	\$3,900.00	\$10.00	\$19,500.00	\$10.00	\$19,500.00	\$5.00	\$9,750.00	\$5.00	\$9,750.00	\$13.00	\$25,350.00
51	Aggregate Base, 6", 21AA	Syd	4,400	\$5.50	\$24,200.00	\$8.00	\$35,200.00	\$8.00	\$35,200.00	\$10.00	\$44,000.00	\$8.30	\$36,520.00	\$9.00	\$39,600.00	\$10.00	\$44,000.00
52	Street Grading	Sta	15.5	\$2,500.00	\$38,750.00	\$8,790.00	\$136,245.00	\$4,900.00	\$75,950.00	\$5,000.00	\$77,500.00	\$4,804.00	\$74,462.00	\$7,500.00	\$116,250.00	\$5,950.00	\$92,225.00
53	24" Curb and Gutter, Det. F-4 Modified, Incl. Agg. Base	Ft	2,700	\$11.00	\$29,700.00	\$11.00	\$29,700.00	\$12.95	\$34,965.00	\$14.00	\$37,800.00	\$17.30	\$46,710.00	\$13.00	\$35,100.00	\$20.00	\$54,000.00
54	HMA, 3C	Ton	650	\$65.00	\$42,250.00	\$65.00	\$42,250.00	\$65.00	\$42,250.00	\$61.88	\$40,222.00	\$78.10	\$50,765.00	\$61.88	\$40,222.00	\$80.00	\$52,000.00
55	HMA, 13A	Ton	500	\$68.00	\$34,000.00	\$68.00	\$34,000.00	\$68.60	\$34,300.00	\$64.19	\$32,095.00	\$88.90	\$44,450.00	\$64.19	\$32,095.00	\$85.00	\$42,500.00
56	HMA, Approach	Ton	40	\$180.00	\$7,200.00	\$100.00	\$4,000.00	\$100.00	\$4,000.00	\$110.00	\$4,400.00	\$216.00	\$8,640.00	\$110.00	\$4,400.00	\$125.00	\$5,000.00
57	Concrete, 4", Sidewalk/Paver Base	Sft	7,300	\$2.50	\$18,250.00	\$2.95	\$21,535.00	\$3.40	\$24,820.00	\$2.75	\$20,075.00	\$3.60	\$26,280.00	\$3.00	\$21,900.00	\$4.00	\$29,200.00
58	Concrete, 6", Sidewalk / Driveway	Sft	2,000	\$3.35	\$6,700.00	\$4.10	\$8,200.00	\$4.10	\$8,200.00	\$3.90	\$7,800.00	\$4.10	\$8,200.00	\$4.00	\$8,000.00	\$4.50	\$9,000.00
59	Concrete, 6", Reinforced WW 6"x6", Exposed Aggregate	Sft	2,100	\$4.75	\$9,975.00	\$5.10	\$10,710.00	\$5.55	\$11,655.00	\$4.90	\$10,290.00	\$6.50	\$13,650.00	\$6.00	\$12,600.00	\$6.50	\$13,650.00
60	Concrete, 8" Sidewalk / Driveway	Sft	1,500	\$4.50	\$6,750.00	\$5.20	\$7,800.00	\$4.96	\$7,440.00	\$5.00	\$7,500.00	\$4.90	\$7,350.00	\$5.25	\$7,875.00	\$5.50	\$8,250.00
61	Concrete, Paver Base, 4", Reinf.	Sft	3,000	\$4.00	\$12,000.00	\$4.00	\$12,000.00	\$3.10	\$9,300.00	\$3.80	\$11,400.00	\$4.10	\$12,300.00	\$4.00	\$12,000.00	\$4.50	\$13,500.00
62	Concrete, Paver Base, 7", Reinf.	Sft	16,500	\$7.00	\$115,500.00	\$4.25	\$70,125.00	\$5.67	\$93,555.00	\$4.25	\$70,125.00	\$5.30	\$87,450.00	\$5.50	\$90,750.00	\$5.50	\$90,750.00
63	Concrete, Paver Base, Crosswalk, 9", Reinf.	Sft	1,700	\$10.00	\$17,000.00	\$9.50	\$16,150.00	\$6.80	\$11,560.00	\$9.00	\$15,300.00	\$6.50	\$11,050.00	\$12.00	\$20,400.00	\$7.00	\$11,900.00
64	Concrete Band, Ped Crossing, 12"	Ft	400	\$25.00	\$10,000.00	\$29.00	\$11,600.00	\$24.95	\$9,980.00	\$28.00	\$11,200.00	\$27.90	\$11,160.00	\$35.00	\$14,000.00	\$30.00	\$12,000.00
65	Clay Brick Pavers in HMA Setting Bed	Sft	24,200	\$12.00	\$290,400.00	\$15.50	\$375,100.00	\$16.50	\$399,300.00	\$16.50	\$399,300.00	\$18.40	\$445,280.00	\$15.35	\$371,470.00	\$19.00	\$459,800.00
66	Concrete Standing Curb, 6"	Ft	50	\$25.00	\$1,250.00	\$20.00	\$1,000.00	\$19.00	\$950.00	\$20.00	\$1,000.00	\$37.50	\$1,875.00	\$24.00	\$1,200.00	\$40.00	\$2,000.00
67	ADA Sidewalk Ramp, 6"	Sft	250	\$6.00	\$1,500.00	\$4.20	\$1,050.00	\$3.65	\$912.50	\$4.00	\$1,000.00	\$6.50	\$1,625.00	\$6.00	\$1,500.00	\$8.50	\$2,125.00
68	ADA, Detectable Warning Surface	Sft	200	\$17.50	\$3,500.00	\$15.20	\$3,040.00	\$31.00	\$6,200.00	\$15.00	\$3,000.00	\$19.20	\$3,840.00	\$18.00	\$3,600.00	\$25.00	\$5,000.00
69	Turf Establishment	Syd	3,000	\$3.00	\$9,000.00	\$5.00	\$15,000.00	\$8.00	\$24,000.00	\$12.00	\$36,000.00	\$4.70	\$14,100.00	\$4.00	\$12,000.00	\$4.50	\$13,500.00
70	Pavement Marking, 6" Cross Walk, Overlay, Cold Plastic	Ft	275	\$3.00	\$825.00	\$2.65	\$728.75	\$2.65	\$728.75	\$2.65	\$728.75	\$3.20	\$880.00	\$2.65	\$728.75	\$12.00	\$3,300.00
71	Pavement Marking, 18" Stop Bar	Ft	35	\$8.00	\$280.00	\$7.95	\$278.25	\$7.95	\$278.25	\$7.95	\$278.25	\$9.55	\$334.25	\$7.95	\$278.25	\$15.00	\$525.00
72	Pavement Marking, 4" White, Cold Plastic	Ft	220	\$3.00	\$660.00	\$2.45	\$539.00	\$2.45	\$539.00	\$2.45	\$539.00	\$2.95	\$649.00	\$2.45	\$539.00	\$6.00	\$1,320.00
73	Adjust Valve Box	Ea	15	\$290.00	\$4,350.00	\$300.00	\$4,500.00	\$250.00	\$3,750.00	\$325.00	\$4,875.00	\$452.50	\$6,787.50	\$350.00	\$5,250.00	\$400.00	\$6,000.00
74	Adjust Manhole/Drainage Structure	Ea	20	\$300.00	\$6,000.00	\$450.00	\$9,000.00	\$350.00	\$7,000.00	\$350.00	\$7,000.00	\$663.00	\$13,260.00	\$400.00	\$8,000.00	\$500.00	\$10,000.00
Subtotal Improvement Items				\$834,140.00	\$982,571.00	\$1,048,861.00	\$1,061,228.00	\$1,100,079.75	\$1,230,233.00	\$1,228,870.00							

ITEM NO.	PROPOSAL ITEM	UNIT	ESTIMATED QUANTITY	ENGINEER'S ESTIMATE		NAGEL CONSTRUCTION		DYKEMA EXCAVATORS INC.		LODESTAR CONSTRUCTION, INC.		BRENNER EXCAVATING INC.		KAMMINGA & ROODVOETS INC.		SCHIPPERS EXCAVATING, INC.	
				PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
LANDSCAPE ITEMS																	
75	Skyline Honey Locust (Lowest Branch 6.5'), 5"-6", B&B	Ea	4	\$500.00	\$2,000.00	\$1,200.00	\$4,800.00	\$1,200.00	\$4,800.00	\$1,200.00	\$4,800.00	\$1,027.00	\$4,108.00	\$855.00	\$3,420.00	\$1,400.00	\$5,600.00
76	October Glory Maple (Clump), 10'-12', B&B	Ea	1	\$500.00	\$500.00	\$420.00	\$420.00	\$420.00	\$420.00	\$420.00	\$420.00	\$450.50	\$450.50	\$375.00	\$375.00	\$900.00	\$900.00
77	Clump Chinese Dogwood, 7'-8' Clump, B&B	Ea	2	\$500.00	\$1,000.00	\$225.00	\$450.00	\$225.00	\$450.00	\$225.00	\$450.00	\$390.50	\$781.00	\$325.00	\$650.00	\$400.00	\$800.00
78	Redspire Flowering Pear, 4", B&B	Ea	6	\$500.00	\$3,000.00	\$570.00	\$3,420.00	\$570.00	\$3,420.00	\$570.00	\$3,420.00	\$600.50	\$3,603.00	\$500.00	\$3,000.00	\$550.00	\$3,300.00
79	Gold Flame Spirea, 24", B&B	Ea	3	\$110.00	\$330.00	\$36.00	\$108.00	\$36.00	\$108.00	\$36.00	\$108.00	\$38.40	\$115.20	\$32.00	\$96.00	\$40.00	\$120.00
80	Korean Spice Viburnum, 36" B&B	Ea	4	\$145.00	\$580.00	\$58.00	\$232.00	\$58.00	\$232.00	\$58.00	\$232.00	\$43.20	\$172.80	\$36.00	\$144.00	\$100.00	\$400.00
81	Green Velvet Boxwood, 24", B&B	Ea	17	\$160.00	\$2,720.00	\$84.00	\$1,428.00	\$84.00	\$1,428.00	\$84.00	\$1,428.00	\$38.40	\$652.80	\$32.00	\$544.00	\$100.00	\$1,700.00
82	Wichita Blue Juniper, 5'-6', B&B	Ea	5	\$325.00	\$1,625.00	\$154.00	\$770.00	\$154.00	\$770.00	\$154.00	\$770.00	\$150.00	\$750.00	\$125.00	\$625.00	\$150.00	\$750.00
83	Montgomery Globe Blue Spruce, 30"-36", B&B	Ea	1	\$175.00	\$175.00	\$110.00	\$110.00	\$110.00	\$110.00	\$110.00	\$110.00	\$114.00	\$114.00	\$95.00	\$95.00	\$150.00	\$150.00
84	Bird's Nest Spruce, 24", B&B	Ea	5	\$180.00	\$900.00	\$71.00	\$355.00	\$71.00	\$355.00	\$71.00	\$355.00	\$50.40	\$252.00	\$42.00	\$210.00	\$100.00	\$500.00
85	Dark Green Arborvitae, 5', B&B	Ea	6	\$325.00	\$1,950.00	\$135.00	\$810.00	\$135.00	\$810.00	\$135.00	\$810.00	\$97.30	\$583.80	\$81.00	\$486.00	\$150.00	\$900.00
86	Karl Foerster Reed Grass, #5, Pot	Ea	2	\$90.00	\$180.00	\$20.00	\$40.00	\$20.00	\$40.00	\$20.00	\$40.00	\$21.60	\$43.20	\$18.00	\$36.00	\$20.00	\$40.00
87	Oertel's Rose Yarrow, #1, Pot	Ea	103	\$12.00	\$1,236.00	\$11.70	\$1,205.10	\$11.70	\$1,205.10	\$11.70	\$1,205.10	\$15.60	\$1,606.80	\$13.00	\$1,339.00	\$15.00	\$1,545.00
88	'Hellot' Coreopsis, #1.5, Pot	Ea	11	\$40.00	\$440.00	\$13.00	\$143.00	\$13.00	\$143.00	\$13.00	\$143.00	\$15.60	\$171.60	\$13.00	\$143.00	\$15.00	\$165.00
89	Chocolate Joe-Pye, 1 Gallon, Pot	Ea	6	\$45.00	\$270.00	\$10.00	\$60.00	\$10.00	\$60.00	\$10.00	\$60.00	\$15.60	\$93.60	\$13.00	\$78.00	\$15.00	\$90.00
90	Carmel Coral Bells, #1, Pot	Ea	16	\$20.00	\$320.00	\$16.00	\$256.00	\$16.00	\$256.00	\$16.00	\$256.00	\$19.20	\$307.20	\$16.00	\$256.00	\$20.00	\$320.00
91	Munstead Lavender, #1, Pot	Ea	14	\$27.00	\$378.00	\$13.00	\$182.00	\$13.00	\$182.00	\$13.00	\$182.00	\$15.60	\$218.40	\$13.00	\$182.00	\$20.00	\$280.00
92	Kobold Spike Gayfeather, #1, Pot	Ea	25	\$15.00	\$375.00	\$10.00	\$250.00	\$10.00	\$250.00	\$10.00	\$250.00	\$15.60	\$390.00	\$13.00	\$325.00	\$20.00	\$500.00
93	Walkers Low Catmint, 3 Gallon, Pot	Ea	21	\$68.00	\$1,428.00	\$17.00	\$357.00	\$17.00	\$357.00	\$17.00	\$357.00	\$15.60	\$327.60	\$13.00	\$273.00	\$20.00	\$420.00
94	Pachysandra, #1, Pot	Ea	104	\$12.00	\$1,248.00	\$10.00	\$1,040.00	\$10.00	\$1,040.00	\$10.00	\$1,040.00	\$15.60	\$1,622.40	\$13.00	\$1,352.00	\$15.00	\$1,560.00
95	Little Suzy Dwarf Orange Coneflower, #1, Pot	Ea	29	\$30.00	\$870.00	\$9.00	\$261.00	\$9.00	\$261.00	\$9.00	\$261.00	\$15.60	\$452.40	\$13.00	\$377.00	\$15.00	\$435.00
96	Neon Sedum, 1 Gallon, Pot	Ea	18	\$30.00	\$540.00	\$9.00	\$162.00	\$9.00	\$162.00	\$9.00	\$162.00	\$15.60	\$280.80	\$13.00	\$234.00	\$15.00	\$270.00
97	Shredded Bark, 4 inches	Syd	400	\$25.00	\$10,000.00	\$6.30	\$2,520.00	\$6.30	\$2,520.00	\$6.30	\$2,520.00	\$5.15	\$2,060.00	\$4.28	\$1,712.00	\$10.00	\$4,000.00
98	Park Benches	Ea	11	\$1,200.00	\$13,200.00	\$1,200.00	\$13,200.00	\$1,300.00	\$14,300.00	\$1,700.00	\$18,700.00	\$1,087.00	\$11,957.00	\$905.00	\$9,955.00	\$2,000.00	\$22,000.00
99	Trash Receptacle	Ea	4	\$1,500.00	\$6,000.00	\$1,350.00	\$5,400.00	\$1,050.00	\$4,200.00	\$2,025.00	\$8,100.00	\$1,291.00	\$5,164.00	\$1,075.00	\$4,300.00	\$1,500.00	\$6,000.00
100	Prepared Tree Well Soil	Cyd	30	\$25.00	\$750.00	\$45.00	\$1,350.00	\$45.00	\$1,350.00	\$45.00	\$1,350.00	\$48.00	\$1,440.00	\$40.00	\$1,200.00	\$60.00	\$1,800.00
101	Concrete Planters – Budget Amt	Ea	20	\$650.00	\$13,000.00	\$650.00	\$13,000.00	\$650.00	\$13,000.00	\$650.00	\$13,000.00	\$650.00	\$13,000.00	\$650.00	\$13,000.00	\$650.00	\$13,000.00
102	Tree Root Barrier, UB 48" (or approved equal)	Sft	100	\$40.00	\$4,000.00	\$16.00	\$1,600.00	\$52.50	\$5,250.00	\$50.00	\$5,000.00	\$5.40	\$540.00	\$4.50	\$450.00	\$80.00	\$8,000.00
103	Removable Bollards	Ea	13	\$300.00	\$3,900.00	\$1,000.00	\$13,000.00	\$800.00	\$10,400.00	\$1,000.00	\$13,000.00	\$3,603.00	\$46,839.00	\$800.00	\$10,400.00	\$2,000.00	\$26,000.00
Subtotal Landscape Items					\$72,915.00		\$66,929.10		\$67,879.10		\$78,529.10		\$98,097.10		\$55,257.00		\$101,545.00
SNOWMELT & ELECTRICAL ITEMS																	
104	Snowmelt System (Complete to 2 ft outside building)	Lsum	1	\$350,000.00	\$350,000.00	\$137,900.00	\$137,900.00	\$188,900.00	\$188,900.00	\$170,000.00	\$170,000.00	\$202,860.00	\$202,860.00	\$175,000.00	\$175,000.00	\$210,000.00	\$210,000.00
105	Site Electrical (Complete, Conduit paid separately)	Lsum	1	\$15,000.00	\$15,000.00	\$34,500.00	\$34,500.00	\$40,400.00	\$40,400.00	\$35,400.00	\$35,400.00	\$43,240.00	\$43,240.00	\$36,000.00	\$36,000.00	\$50,000.00	\$50,000.00
106	Conduit, 1 inch	Ft	800	\$4.00	\$3,200.00	\$6.00	\$4,800.00	\$6.00	\$4,800.00	\$6.00	\$4,800.00	\$6.00	\$4,800.00	\$5.00	\$4,000.00	\$8.00	\$6,400.00
107	Conduit, 1-1/2 inch	Ft	230	\$6.00	\$1,380.00	\$7.50	\$1,725.00	\$7.50	\$1,725.00	\$7.50	\$1,725.00	\$7.20	\$1,656.00	\$6.00	\$1,380.00	\$10.00	\$2,300.00
108	Conduit, 2 inch (including irrigation)	Ft	1200	\$10.00	\$12,000.00	\$9.00	\$10,800.00	\$9.00	\$10,800.00	\$9.00	\$10,800.00	\$8.40	\$10,080.00	\$7.00	\$8,400.00	\$12.00	\$14,400.00
109	Conduit, 4 inch	Ft	1650	\$12.00	\$19,800.00	\$12.50	\$20,625.00	\$12.50	\$20,625.00	\$12.50	\$20,625.00	\$12.00	\$19,800.00	\$10.00	\$16,500.00	\$15.00	\$24,750.00
110	Street Light Foundation	Ea	9	\$1,000.00	\$9,000.00	\$650.00	\$5,850.00	\$650.00	\$5,850.00	\$650.00	\$5,850.00	\$540.50	\$4,864.50	\$450.00	\$4,050.00	\$800.00	\$7,200.00
Subtotal Snowmelt & Electrical Items					\$410,380.00		\$216,200.00		\$273,100.00		\$249,200.00		\$287,300.50		\$245,330.00		\$315,050.00
TOTAL ALL ITEMS					\$1,530,440.00		\$1,527,670.10		\$1,648,245.65		\$1,686,252.10		\$1,744,592.85		\$1,768,395.00		\$1,914,345.00