



CITY of NOVI CITY COUNCIL

Agenda Item 5
September 10, 2012

SUBJECT: Approval to award a construction contract for Pavilion Shore Park Phases 1 and 2 to V.I.L. Construction, Inc., the low bidder, in the amount of \$1,492,175.

SUBMITTING DEPARTMENT: Parks, Recreation and Cultural Services
Department of Public Services, Engineering Division *BIC*

CITY MANAGER APPROVAL: *Clayton*

EXPENDITURE REQUIRED	\$ 1,492,175
AMOUNT BUDGETED	\$ 0
APPROPRIATION REQUIRED	\$1,046,940 (see FY 2012-13 1st Quarter Budget Amendment; balance of funding includes grant award, Park Foundation Contribution and Tree Fund)
LINE ITEM NUMBER	208-691.00-974.086

BACKGROUND INFORMATION:

The majority of the 13 Mile and Old Novi Road Landings park property (currently known as Pavilion Shore Park) was acquired by the City in the 1980's and was designed as parkland on March 22, 2010. In December 2010, the City was notified that the Landings Property Grant (Pavilion Shore Park) was recommended for funding for initial development by the Michigan Department of Natural Resources (MDNR) for a Michigan Natural Resource Trust Fund (MNRTF) development grant at that time was conceptual.

On August 22, 2011, the Novi City Council approved a consulting design services agreement with Hamilton Anderson for Phase 1 development. At the February 21, 2012 City Council meeting, Council approved the Landings Park (Pavilion Shore Park) Conceptual Plan as presented and to proceed with design and construction of Phases 1 & 2, with subsequent approval to amend the professional services contract with Hamilton Anderson to include design and engineering services for Phase 2 development of Landings park property (Pavilion Shore Park).

After public input and recommendation by the Park Naming Committee, Novi City Council officially adopted the name of Pavilion Shore Park

On March 26, 2012, Novi City Council approved a Michigan Natural Resources Trust Fund Grant (MNRTF) grant application for Pavilion Shore Park Phase 3, which would provide public access. Future phases of the park will include a pavilion shelter, restroom facilities and a water feature.

Four bids were received and opened on August 30, 2012 following a public bid solicitation period. The lowest bidder when considering the base bid and all add alternates is V.I.L. Construction, Inc. V.I.L.'s bid is recommended as being in the best interest of the City as it is responsive (i.e., V.I.L. has complied with all requirements of the bidding instructions) and

it is the lowest price for the selected option. (Hamilton Anderson's award recommendation letter including the bid tabulation dated September 4, 2012 is attached.) There were some irregularities in the bids from JC Beal and Caasti: JC Beal failed to provide unit prices for some of the items in its bid and Caasti did not provide any unit prices for any item in the bid. The bid documents require that unit prices for each item in the bid. A summary of the four bids is as follows:

Bidder	Base Bid	Add Alternates 1 through 4	Deduct Alternate 1	Total Bid + all ADD alternates*
V.I.L. Construction	\$1,130,891.25	\$431,394.00	\$(9,785.00)	\$1,562,285.25
Warren Contractor & Development Inc	\$1,147,949.16	\$498,223.16	\$(5,980.00)	\$1,646,172.32
JC Beal Construction Inc.**	\$1,127,295.60	\$541,661.66	\$(28,002.00)	\$1,668,957.26
Caasti Contracting Services, Inc.**	\$1,172,225.24	\$702,414.97	\$(4,439.10)	\$1,874,640.21



*Crew Days are included to compare bids, but are not included in the award.

**Contractor did not provide unit prices for some or all of the bid items as required in the bid documents.

V.I.L. recently completed the Meadowbrook Lake Dam Improvements project and is recommended by staff based on the success of that project.

Construction is scheduled to begin in fall 2012 and completion is anticipated in July 2013.

RECOMMENDED ACTION: Approval to award a construction contract for Pavilion Shore Park Phases 1 and 2 to V.I.L. Construction, Inc., the low bidder, in the amount of \$1,492,175.

	1	2	Y	N
Mayor Gatt				
Mayor Pro Tem Staudt				
Council Member Casey				
Council Member Fischer				

	1	2	Y	N
Council Member Margolis				
Council Member Mutch				
Council Member Wrobel				

Pavilion Shore Park

Location Map



PAVILION SHORE PARK

Map Author: Croy
 Date: 4/11/12
 Project: Pavilion Shore Park
 Version #: v1.0

MAP INTERPRETATION NOTICE

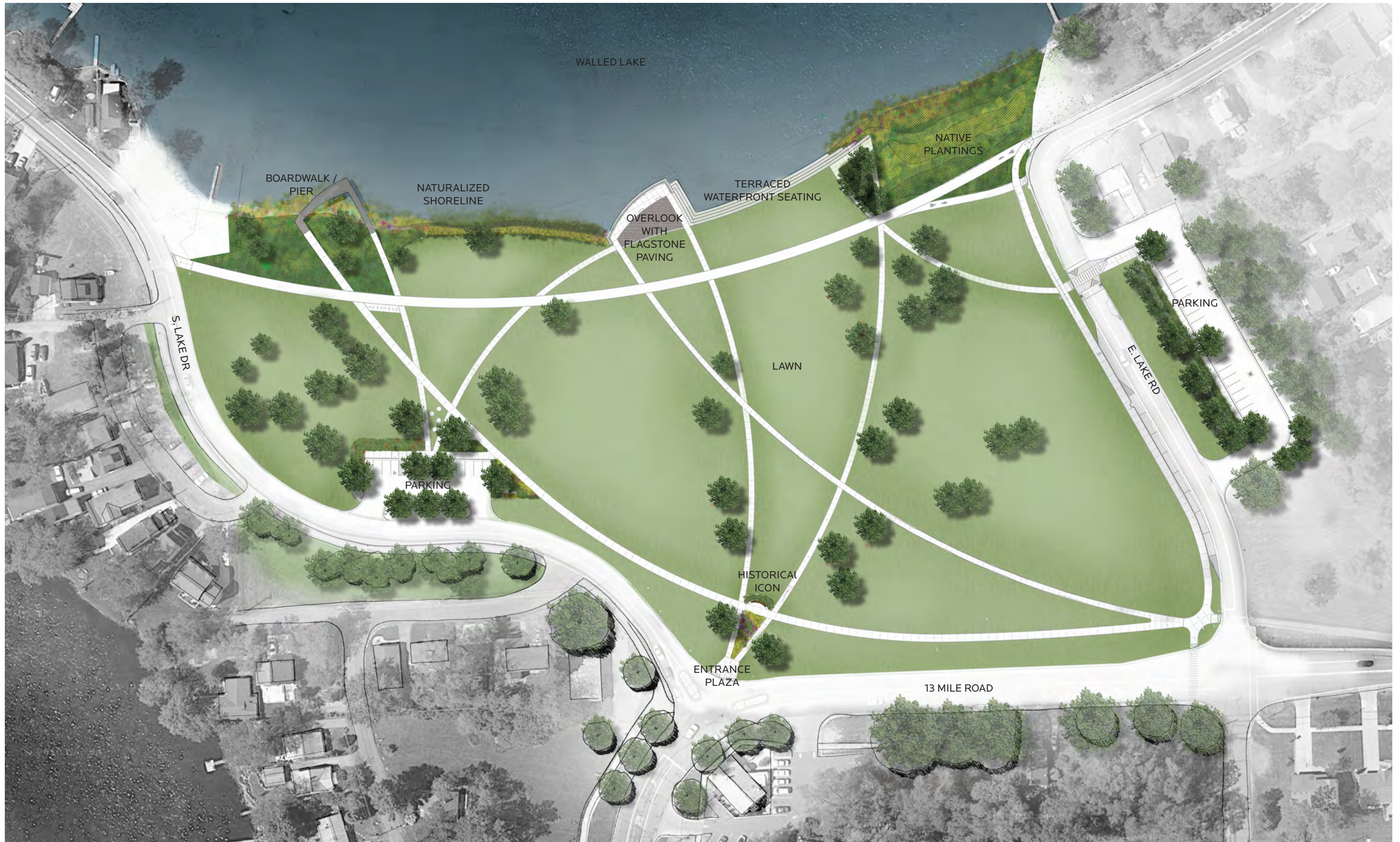
Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.



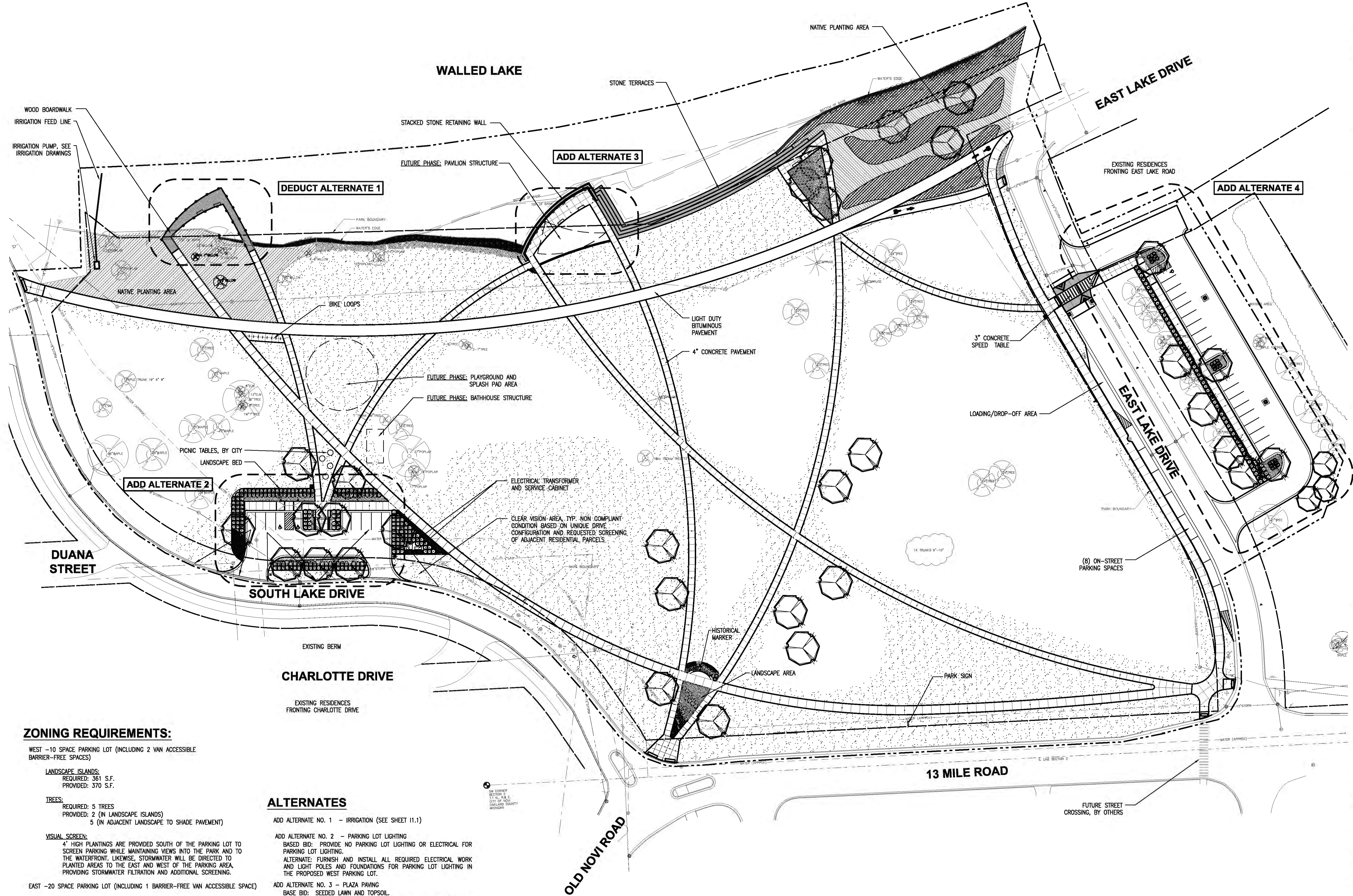
1 inch = 200 feet



City of Novi
 Engineering Division
 Department of Public Services
 26300 Delwal Drive
 Novi, MI 48375
cityofnovi.org



OVERALL SITE PLAN
Pavilion Shore Park



Client
CITY OF NOVI
**45175 WEST 10 MILE ROAD
NOVI, MICHIGAN 48375**
Registration Seal

ZONING REQUIREMENTS:

WEST -10 SPACE PARKING LOT (INCLUDING 2 VAN ACCESSIBLE BARRIER-FREE SPACES)
LANDSCAPE ISLANDS:
REQUIRED: 361 S.F.
PROVIDED: 370 S.F.

TREES:
REQUIRED: 5 TREES
PROVIDED: 2 (IN LANDSCAPE ISLANDS)
5 (IN ADJACENT LANDSCAPE TO SHADE PAVEMENT)

VISUAL SCREEN:
4' HIGH PLANTINGS ARE PROVIDED SOUTH OF THE PARKING LOT TO SCREEN PARKING WHILE MAINTAINING VIEWS INTO THE PARK AND TO THE WATERFRONT. LIKEWISE, STORMWATER WILL BE DIRECTED TO PLANTED AREAS TO THE EAST AND WEST OF THE PARKING AREA, PROVIDING STORMWATER FILTRATION AND ADDITIONAL SCREENING.

EAST -20 SPACE PARKING LOT (INCLUDING 1 BARRIER-FREE VAN ACCESSIBLE SPACE)
LANDSCAPE ISLANDS:
REQUIRED: 654 S.F.
PROVIDED: 748 S.F.

TREES:
REQUIRED: 9 TREES
PROVIDED: 3 (IN LANDSCAPE ISLANDS)
7 (IN ADJACENT LANDSCAPE TO SHADE PAVEMENT)

VISUAL SCREEN:
PARKING LOT WAS SITED TO MAINTAIN EXISTING TREES AND VEGETATION BETWEEN PARKING AND EAST LAKE ROAD. A 3' HEDGE WILL PROVIDE ADDITIONAL R.O.W. SCREENING.

ALTERNATES

ADD ALTERNATE NO. 1 - IRRIGATION (SEE SHEET 11.1)

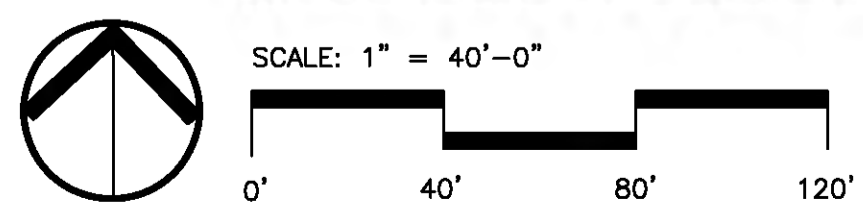
ADD ALTERNATE NO. 2 - PARKING LOT LIGHTING
BASE BID: PROVIDE NO PARKING LOT LIGHTING OR ELECTRICAL FOR PARKING LOT LIGHTING.
ALTERNATE: FURNISH AND INSTALL ALL REQUIRED ELECTRICAL WORK AND LIGHT POLES AND FOUNDATIONS FOR PARKING LOT LIGHTING IN THE PROPOSED WEST PARKING LOT.

ADD ALTERNATE NO. 3 - PLAZA PAVING
BASE BID: SEEDED LAWN AND TOPSOIL.
ALTERNATE: FURNISH AND INSTALL CONCRETE HEADER AND FLAGSTONE PAVING PER THE CONSTRUCTION DRAWINGS. GRADE TO REQUIRED SUBGRADES.

ADD ALTERNATE NO. 4 - EAST PARKING LOT
BASE BID: INCLUDES NO NEW WORK IN THE AREA INDICATED AS ALTERNATE NO. 1. EAST PARKING LOT
ALTERNATE: INCLUDES EXCAVATION TO ACCEPT NEW WORK, REQUIRED STORM UTILITIES, BITUMINOUS PAVING, LANDSCAPING, IRRIGATION AND RESTORATION.

DEDUCT ALTERNATE NO. 1- WOOD DECKING
BASE BID: INSTALL COMPOSITE DECKING ON BOARDWALK AS DETAILED.
ALTERNATE: INSTALL WOOD DECKING IN PLACE OF COMPOSITE DECKING.

GENERAL DEVELOPMENT PLAN



Know what's below.
Call before you dig.

Project
PAVILION SHORE PARK

Drawing Title
GENERAL DEVELOPMENT PLAN

Project Number: 2011086.01
Drawn By: KS Approved By: LS
Scale: 1"=40'

Drawing No.
C1.1

September 4, 2012

Brian Coburn
Engineering Manager,
City of Novi, Department of Public Services
26300 Lee BeGole Dr.,
Novi, MI 48375

Re: Pavilion Shore - Recommendation to Award

Dear Mr. Coburn:

Bidding documents were issued for the Pavilion Shore Park project August 3, 2012. In response to contractor requests for clarifications a total of 3 addendums were issued and distributed to all known plan holders. Bids were received from:

JC Beal
Warren Contractors and Development, Inc
CAASTI Contracting Services, Inc.
V.I.L. Construction, Inc.

All bids were received by the City prior to August 29th at 1:00 pm as required by the bid document, contained the required information, and acknowledged receipt of all addendums.

After reviewing the received bids, it is Hamilton Anderson Associates' recommendation that the bid be awarded to V.I.L. Construction Inc, the lowest bidder for the project base bid and alternate total.

Sincerely,



Burke Jenkins, ASLA
Project Manager

cc: Lori Singleton

**Pavilion Shore
 BID Tabulation**

August 30, 2012

Description	Qty	Units	VIL		Warren Contractor and Dev		JC BEAL	
			Cost/Unit	Total	Cost/Unit	Total	Cost/Unit	Total
MNTRF Grant funded BASE BID								
Tree, Rem	27	EA	\$ 200.00	\$ 5,400.00	\$ 201.68	\$ 5,445.36	\$ 287.50	\$ 7,762.50
Curb, Rem	507	LF	\$ 6.00	\$ 3,042.00	\$ 19.72	\$ 9,998.04	\$ 8.05	\$ 4,081.35
Pavt, Rem	1,814	SY	\$ 4.00	\$ 7,256.00	\$ 8.19	\$ 14,856.66	\$ 8.05	\$ 14,602.70
Concrete seawall removal	125	LF	\$ 60.00	\$ 7,500.00	\$ 71.14	\$ 8,892.50	\$ 230.00	\$ 28,750.00
Topsoil Stripping and Stockpiling	24,655	SY	\$ 0.50	\$ 12,327.50	\$ 1.71	\$ 42,160.05	\$ 1.44	\$ 35,441.56
Subgrade Undercutting	50	CY	\$ 35.00	\$ 1,750.00	\$ 34.12	\$ 1,706.00	\$ 34.50	\$ 1,725.00
Inlet Filter	19	EA	\$ 100.00	\$ 1,900.00	\$ 118.98	\$ 2,260.62	\$ 172.50	\$ 3,277.50
Silt Fence	2,306	LF	\$ 1.50	\$ 3,459.00	\$ 1.72	\$ 3,966.32	\$ 1.66	\$ 3,827.96
Turbidity Curtain (Shallow)	532	LF	\$ 15.00	\$ 7,980.00	\$ 20.46	\$ 10,884.72	\$ 13.80	\$ 7,341.60
Gravel Construction Drive	1	LS	\$ 3,500.00	\$ 3,500.00	\$ 2,182.87	\$ 2,182.87	\$ 1,725.00	\$ 1,725.00
Tree protection	2,508	LF	\$ 3.00	\$ 7,524.00	\$ 3.45	\$ 8,652.60	\$ 2.88	\$ 7,223.04
Earthwork/Grading	1,425	CY	\$ 20.00	\$ 28,500.00	\$ 15.36	\$ 21,888.00	\$ 4.60	\$ 6,555.00
Soil Fill	212	CY	\$ 15.00	\$ 3,180.00	\$ 28.08	\$ 5,952.96	\$ 28.75	\$ 6,095.00
Dry Laid Limestone Walls	850	FF	\$ 55.00	\$ 46,750.00	\$ 49.85	\$ 42,372.50	\$ 49.85	\$ 42,374.63
Dry Laid Limestone Terrace	1800	FF	\$ 60.00	\$ 108,000.00	\$ 56.35	\$ 101,430.00	\$ 56.35	\$ 101,430.00
Conc, Grade T	60	CY	\$ 260.00	\$ 15,600.00	\$ 302.13	\$ 18,127.80	\$ -	\$ -
Engineered BackFill	290	CY	\$ 35.00	\$ 10,150.00	\$ 34.50	\$ 10,005.00	\$ 34.50	\$ 10,005.00
Cofferdams	1	LS	\$ 175,000.00	\$ 175,000.00	\$ 38,180.00	\$ 38,180.00	\$ 144,555.00	\$ 144,555.00
Perforated DrainTile (Behind stone walls)	347	LF	\$ 5.00	\$ 1,735.00	\$ 4.60	\$ 1,596.20	\$ 4.60	\$ 1,596.20
Geotextile Fabric (Limestone walls)	9,388	SF	\$ 0.25	\$ 2,347.00	\$ 0.17	\$ 1,595.96	\$ 0.17	\$ 1,619.43
Steel Sheet Piling, Temp	100	SF	\$ 30.00	\$ 3,000.00	\$ 78.20	\$ 7,820.00	\$ 51.75	\$ 5,175.00
Guardrail in concrete	101	LF	\$ 225.00	\$ 22,725.00	\$ 228.85	\$ 23,113.85	\$ 228.85	\$ 23,113.85
Guardrail on boardwalk	265	LF	\$ 235.00	\$ 62,275.00	\$ 228.85	\$ 60,645.25	\$ 228.85	\$ 60,645.25
Concrete walk 4"	30,500	SF	\$ 2.50	\$ 76,250.00	\$ 3.55	\$ 108,275.00	\$ 3.74	\$ 113,993.75
Sidewalk Ramp, Conc, 6 Inch	1,075	SF	\$ 6.00	\$ 6,450.00	\$ 6.91	\$ 7,428.25	\$ 6.04	\$ 6,490.31
Detectable Warning Surface	54	LF	\$ 40.00	\$ 2,160.00	\$ 43.13	\$ 2,329.02	\$ 53.25	\$ 2,875.23
Concrete Gutter (Drive Approaches/Street Parking)	388	LF	\$ 15.00	\$ 5,820.00	\$ 17.70	\$ 6,867.60	\$ 29.90	\$ 11,601.20
Concrete Curb and Gutter	421	LF	\$ 16.00	\$ 6,736.00	\$ 19.34	\$ 8,142.14	\$ 32.20	\$ 13,556.20
Concrete Straight Curb	292	LF	\$ 20.00	\$ 5,840.00	\$ 24.41	\$ 7,127.72	\$ 6.61	\$ 1,930.85
Bituminous Path	9,648	SF	\$ 3.00	\$ 28,944.00	\$ 3.08	\$ 29,715.84	\$ 3.45	\$ 33,285.60
Bituminous Pavement - Roadway	7,453	SF	\$ 3.75	\$ 27,948.75	\$ 3.65	\$ 27,203.45	\$ 3.34	\$ 24,855.76
Barrier Free with Van Accessible Sign	2	EA	\$ 200.00	\$ 400.00	\$ 287.50	\$ 575.00	\$ 603.75	\$ 1,207.50
4" Striping	455	LF	\$ 1.00	\$ 455.00	\$ 0.63	\$ 286.65	\$ 1.15	\$ 523.25
Barrier Free Symbol Pavement Marking	2	EA	\$ 50.00	\$ 100.00	\$ 51.75	\$ 103.50	\$ 28.75	\$ 57.50
Bike Symbol and Directional Arrow Pavement Marking	2	EA	\$ 75.00	\$ 150.00	\$ 74.75	\$ 149.50	\$ 86.25	\$ 172.50
MNRTF Sign	1	LS	\$ 4,000.00	\$ 4,000.00	\$ 517.50	\$ 517.50	\$ 230.00	\$ 230.00
Historic Icon	1	LS	\$ 32,500.00	\$ 32,500.00	\$ 29,405.33	\$ 29,405.33	\$ 17,135.00	\$ 17,135.00
Utilities								
Catch Basin, 4' Diameter	2	EA	\$ 1,600.00	\$ 3,200.00	\$ 2,020.85	\$ 4,041.70	\$ 1,955.00	\$ 3,910.00
Pipe, C76-Class IV, 12"	60	LF	\$ 55.00	\$ 3,300.00	\$ 108.73	\$ 6,523.80	\$ 20.70	\$ 1,242.00
Structure, Adjust	3	EA	\$ 400.00	\$ 1,200.00	\$ 884.17	\$ 2,652.51	\$ 431.25	\$ 1,293.75
Pile, CIP Conc, Furn and Driven, 12 inch	730	LF	\$ 30.00	\$ 21,900.00	\$ 89.98	\$ 65,685.40	\$ 91.49	\$ 66,790.62
Pile Driving Equipment, Furn	1	LS	\$ 35,000.00	\$ 35,000.00	\$ 46,575.00	\$ 46,575.00	\$ 30,475.00	\$ 30,475.00
Timber and Lumber, Treated, Furn and Place	3.70	MBM	\$ 9,000.00	\$ 33,300.00	\$ 1,864.85	\$ 6,899.95	\$ -	\$ -
Composite Deck, Furn and Place	2,600.00	FT	\$ 8.00	\$ 20,800.00	\$ 7.52	\$ 19,552.00	\$ 13.72	\$ 35,670.70
Hardware, Misc.	1	LS	\$ 6,500.00	\$ 6,500.00	\$ 10,304.00	\$ 10,304.00	\$ -	\$ -

**Pavilion Shore
 BID Tabulation**

August 30, 2012

Description	Qty	Units	VIL		Warren Contractor and Dev		JC BEAL	
			Cost/Unit	Total	Cost/Unit	Total	Cost/Unit	Total
Landscaping								
Rip Rap	35	CY	\$ 180.00	\$ 6,300.00	\$ 146.05	\$ 5,111.75	\$ 270.25	\$ 9,458.75
Coir Logs	90	LF	\$ 55.00	\$ 4,950.00	\$ 33.19	\$ 2,987.10	\$ 70.15	\$ 6,313.50
Coir Blocks	250	LF	\$ 35.00	\$ 8,750.00	\$ 20.07	\$ 5,017.50	\$ 56.35	\$ 14,087.50
Seeded lawn restoration (includes 3" of existing topsoil)	17,495	SY	\$ 2.60	\$ 45,487.00	\$ 1.27	\$ 22,218.65	\$ 1.99	\$ 34,806.30
2 Year landscape maintenance	1	Allowance	\$ 22,500.00	\$ 22,500.00	\$ 28,750.00	\$ 28,750.00	\$ 27,772.50	\$ 27,772.50
Add Topsoil Spreading (near west parking lot and)	297	CY	\$ 10.00	\$ 2,970.00	\$ 11.39	\$ 3,382.83	\$ 26.45	\$ 7,855.65
Steel Edging	344	LF	\$ 10.00	\$ 3,440.00	\$ 4.60	\$ 1,582.40	\$ 11.90	\$ 4,094.46
3" Mulch	79	CY	\$ 90.00	\$ 7,110.00	\$ 40.25	\$ 3,179.75	\$ 85.96	\$ 6,791.04
Erosion Control Blanket	1	Roll	\$ 250.00	\$ 250.00	\$ 75.04	\$ 75.04	\$ 230.00	\$ 230.00
Shortgrass Prairie Grass Mix	0.25	ACRE	\$ 6,000.00	\$ 1,500.00	\$ 4,669.00	\$ 1,167.25	\$ 5,290.00	\$ 1,322.50
Mesic Prairie Mix	0.25	ACRE	\$ 8,000.00	\$ 2,000.00	\$ 5,192.25	\$ 1,298.06	\$ 5,290.00	\$ 1,322.50
Dry Prairie Mix	0.25	ACRE	\$ 9,000.00	\$ 2,250.00	\$ 5,157.75	\$ 1,289.44	\$ 5,290.00	\$ 1,322.50
Woodland Seed Mix	0.25	ACRE	\$ 6,000.00	\$ 1,500.00	\$ 6,572.25	\$ 1,643.06	\$ 5,290.00	\$ 1,322.50
Shoreline / Emergent Wetland Seed Mix	0.25	ACRE	\$ 6,000.00	\$ 1,500.00	\$ 6,992.00	\$ 1,748.00	\$ 5,290.00	\$ 1,322.50
Ajuga reptans 'Atropurpurea'	397	EA	\$ 15.00	\$ 5,955.00	\$ 6.90	\$ 2,739.30	\$ 13.23	\$ 5,250.33
Allium rosenbachianum	78	EA	\$ 15.00	\$ 1,170.00	\$ 5.75	\$ 448.50	\$ 13.23	\$ 1,031.55
Allium schoenoprasum	395	EA	\$ 15.00	\$ 5,925.00	\$ 6.90	\$ 2,725.50	\$ 13.23	\$ 5,223.88
Betula nigra	3	EA	\$ 350.00	\$ 1,050.00	\$ 287.50	\$ 862.50	\$ 423.20	\$ 1,269.60
Calamagrostis brachytricha	124	EA	\$ 15.00	\$ 1,860.00	\$ 20.70	\$ 2,566.80	\$ 19.84	\$ 2,459.85
Carex elata 'Aurea'	153	EA	\$ 15.00	\$ 2,295.00	\$ 10.35	\$ 1,583.55	\$ 13.89	\$ 2,125.48
Euonymus alatus 'Compactus'	78	EA	\$ 40.00	\$ 3,120.00	\$ 40.25	\$ 3,139.50	\$ 47.61	\$ 3,713.58
Lupinus 'Russell Mix'	76	EA	\$ 15.00	\$ 1,140.00	\$ 4.03	\$ 306.28	\$ 13.89	\$ 1,055.79
Lysimachia nummularia	101	EA	\$ 15.00	\$ 1,515.00	\$ 8.05	\$ 813.05	\$ 13.89	\$ 1,403.09
Miscanthus sinensis 'Gracillimus'	146	EA	\$ 15.00	\$ 2,190.00	\$ 20.70	\$ 3,022.20	\$ 42.32	\$ 6,178.72
Monarda didyma	42	EA	\$ 15.00	\$ 630.00	\$ 8.05	\$ 338.10	\$ 19.84	\$ 833.18
Nyssa sylvatica	6	EA	\$ 450.00	\$ 2,700.00	\$ 575.00	\$ 3,450.00	\$ 650.67	\$ 3,904.02
Platanus x acerifolia 'Bloodgood'	7	EA	\$ 500.00	\$ 3,500.00	\$ 373.75	\$ 2,616.25	\$ 495.94	\$ 3,471.56
Rudbeckia mazima	34	EA	\$ 15.00	\$ 510.00	\$ 8.63	\$ 293.42	\$ 13.89	\$ 472.33
Sporobolus heterolepis	203	EA	\$ 15.00	\$ 3,045.00	\$ 16.10	\$ 3,268.30	\$ 16.54	\$ 3,357.01
Zelkova serrata	8	EA	\$ 500.00	\$ 4,000.00	\$ 603.75	\$ 4,830.00	\$ 661.25	\$ 5,290.00
Plugs								
Iris virginica	35	EA	\$ 5.00	\$ 175.00	\$ 5.75	\$ 201.25	\$ 7.94	\$ 277.73
Salix exigua	35	EA	\$ 5.00	\$ 175.00	\$ 5.75	\$ 201.25	\$ 6.61	\$ 231.44
Pontederia cordata	35	EA	\$ 5.00	\$ 175.00	\$ 4.60	\$ 161.00	\$ 9.26	\$ 324.01
Scirpus pungens	35	EA	\$ 5.00	\$ 175.00	\$ 4.60	\$ 161.00	\$ 6.61	\$ 231.44
Sparganium eurycarpium	35	EA	\$ 5.00	\$ 175.00	\$ 4.60	\$ 161.00	\$ 5.29	\$ 185.15
Non-MNTRF Grant funded BASE BID								
Mobilization	1	Allowance	\$ 52,000.00	\$ 52,000.00	\$ 55,000.00	\$ 55,000.00	\$ 2,875.00	\$ 2,875.00
Crew Days		Days	60 Days	\$ 36,900.00	200 Days	\$ 123,000.00	85 Days	\$ 52,275.00
3" Concrete Speed Table	1	LS	\$ 15,750.00	\$ 15,750.00	\$ 12,305.00	\$ 12,305.00	\$ 13,800.00	\$ 13,800.00
Bench (City Purchased)	6	EA	\$ 400.00	\$ 2,400.00	\$ 193.97	\$ 1,163.82	\$ 115.00	\$ 690.00
Table (City Purchased)	4	EA	\$ 300.00	\$ 1,200.00	\$ 540.50	\$ 2,162.00	\$ 161.00	\$ 644.00
Bollard	2	EA	\$ 1,800.00	\$ 3,600.00	\$ 1,409.00	\$ 2,818.00	\$ 1,380.00	\$ 2,760.00
Bike loop	8	EA	\$ 300.00	\$ 2,400.00	\$ 271.14	\$ 2,169.12	\$ 134.55	\$ 1,076.40
Trash receptacles (City Purchased)	4	EA	\$ 200.00	\$ 800.00	\$ 474.38	\$ 1,897.52	\$ 161.00	\$ 644.00
TOTAL (Base)				\$ 1,130,891.25		\$ 1,147,949.16		\$ 1,127,295.60

**Pavilion Shore
 BID Tabulation**

August 30, 2012

Description	Qty	Units	VIL		Warren Contractor and Dev		JC BEAL	
			Cost/Unit	Total	Cost/Unit	Total	Cost/Unit	Total

MNTRF Grant Funded - DEDUCT Alternate 1 - Wood Decking on Boardwalk								
Crew Days	0	Days	1 Day	\$ 615.00	0 Days	\$ -	0 Days	
Timber Deck, Furn and Place (Indicate cost reduction for wood decking in lieu of composite)	2,600.00	FT	\$ 4.00	\$ (10,400.00)	\$ 2.30	\$ (5,980.00)	\$ 10.77	\$ (28,002.00)
TOTAL (DEDUCT Alternate 1)				\$ (9,785.00)		\$ (5,980.00)		\$ (28,002.00)

Non-MNTRF Grant Funded - ADD Alternate 1 - Irrigation								
Crew Days		Days	20 Days	\$ 12,300.00	20 Days	\$ 12,300.00	15 Days	\$ 9,225.00
Irrigation	1	LS	\$ 172,000.00	\$ 172,000.00	\$ 181,494.15	\$ 181,494.15	\$ 179,536.85	\$ 179,536.85
Electric Service Cabinet	1	EA	\$ 18,500.00	\$ 18,500.00	\$ 19,744.25	\$ 19,744.25	\$ 25,714.00	\$ 25,714.00
Concrete Foundation for Detroit Edison Transformer	1	LS	\$ 2,600.00	\$ 2,600.00	\$ 1,437.50	\$ 1,437.50	\$ 287.50	\$ 287.50
Concrete Bumper Post	5	EA	\$ 150.00	\$ 750.00	\$ 599.19	\$ 2,995.95	\$ 862.50	\$ 4,312.50
Weatherproof Disconnect Switch for Irrigation Pump	1	EA	\$ 2,750.00	\$ 2,750.00	\$ 4,867.95	\$ 4,867.95	\$ 1,380.00	\$ 1,380.00
1.25" Conduit, Schedule 40, PVC	275	LF	\$ 9.00	\$ 2,475.00	\$ 8.56	\$ 2,354.00	\$ 3.45	\$ 948.75
2" Conduit, Schedule 40, PVC	780	LF	\$ 9.25	\$ 7,215.00	\$ 8.88	\$ 6,926.40	\$ 4.03	\$ 3,143.40
2.5" Conduit, Schedule 40, PVC	405	LF	\$ 9.50	\$ 3,847.50	\$ 10.19	\$ 4,126.95	\$ 4.03	\$ 1,632.15
4" Conduit, Schedule 40, PVC	90	LF	\$ 25.00	\$ 2,250.00	\$ 26.70	\$ 2,403.00	\$ 5.18	\$ 466.20
#6 AWG, Copper, XHHW-2	380	LF	\$ 2.50	\$ 950.00	\$ 1.09	\$ 414.20	\$ 2.30	\$ 874.00
#4 AWG, Copper, XHHW-2	25	LF	\$ 13.00	\$ 325.00	\$ 1.54	\$ 38.50	\$ 2.88	\$ 72.00
#3/0 AWG, Copper, XHHW-2	1,240	LF	\$ 6.00	\$ 7,440.00	\$ 5.68	\$ 7,043.20	\$ 6.90	\$ 8,556.00
TOTAL (ADD Alternate 1)				\$ 233,402.50		\$ 246,146.05		\$ 236,148.35

Non-MNTRF Grant Funded - ADD Alternate 2- Parking lot lighting								
Crew Days		Days	6 Days	\$ 3,690.00	5 Days	\$ 3,075.00	10 Days	\$ 6,150.00
Light Fixture Assembly (OA)	4	EA	\$ 7,250.00	\$ 29,000.00	\$ 7,000.00	\$ 28,000.00	\$ 14,057.60	\$ 56,230.40
2" Conduit, Schedule 40, PVC	120	LF	\$ 12.00	\$ 1,440.00	\$ 8.88	\$ 1,065.60	\$ 4.03	\$ 483.60
2.5" Conduit, Schedule 40, PVC	25	LF	\$ 60.00	\$ 1,500.00	\$ 10.19	\$ 254.75	\$ 4.03	\$ 100.75
4" Conduit, Schedule 40, PVC	170	LF	\$ 13.00	\$ 2,210.00	\$ 26.70	\$ 4,539.00	\$ 5.18	\$ 880.60
#10 AWG, Copper, XHHW-2	275	LF	\$ 2.00	\$ 550.00	\$ 0.63	\$ 173.25	\$ 20.13	\$ 5,535.75
#8 AWG, Copper, XHHW-2	1,125	LF	\$ 2.00	\$ 2,250.00	\$ 0.86	\$ 967.50	\$ 2.30	\$ 2,587.50
#3/0 AWG, Copper, XHHW-2	100	LF	\$ 20.00	\$ 2,000.00	\$ 5.68	\$ 568.00	\$ 6.90	\$ 690.00
TOTAL (ADD Alternate 2)				\$ 42,640.00		\$ 38,643.10		\$ 72,658.60

**Pavilion Shore
 BID Tabulation**

August 30, 2012

Description	Qty	Units	VIL		Warren Contractor and Dev		JC BEAL	
			Cost/Unit	Total	Cost/Unit	Total	Cost/Unit	Total
Non-MNTRF Grant Funded - ADD Alternate 3 - Plaza Paving								
Crew Days		Days	8 Days	\$ 4,920.00	5 Days	\$ 3,075.00	10 Days	\$ 6,150.00
Concrete Header	70	LF	\$ 25.00	\$ 1,750.00	\$ 32.20	\$ 2,254.00	\$ 17.25	\$ 1,207.50
Flagstone Paving	1,690	SF	\$ 18.00	\$ 30,420.00	\$ 37.71	\$ 63,729.90	\$ 43.64	\$ 73,751.60
TOTAL (ADD Alternate 3)				\$ 37,090.00		\$ 69,058.90		\$ 81,109.10
Non-MNTRF Grant Funded - ADD Alternate 4 - East Parking Lot								
Crew Days		Days	20 Days	\$ 12,300.00	20 Days	\$ 12,300.00	60 Days	\$ 36,900.00
Concrete walk (4")	1,861	SF	\$ 2.50	\$ 4,652.50	\$ 3.66	\$ 6,811.26	\$ 3.74	\$ 6,960.14
Site Clearing	1.00	LS	\$ 2,500.00	\$ 2,500.00	\$ 2,714.00	\$ 2,714.00	\$ 2,875.00	\$ 2,875.00
Pavt, Rem	255	SY	\$ 4.00	\$ 1,020.00	\$ 5.80	\$ 1,479.00	\$ 8.05	\$ 2,052.75
Concrete curb and gutter	839	LF	\$ 14.00	\$ 11,746.00	\$ 17.71	\$ 14,858.69	\$ 29.90	\$ 25,086.10
Underdrain (curb)	737	LF	\$ 8.00	\$ 5,896.00	\$ 14.98	\$ 11,040.26	\$ 10.35	\$ 7,627.95
Bituminous Pavement - Roadway	12,380	SF	\$ 3.75	\$ 46,425.00	\$ 4.53	\$ 56,081.40	\$ 3.34	\$ 41,349.20
4" Striping	358	LF	\$ 1.00	\$ 358.00	\$ 0.63	\$ 225.54	\$ 1.15	\$ 411.70
Barrier Free Symbol Pavement Marking	1	EA	\$ 50.00	\$ 50.00	\$ 51.75	\$ 51.75	\$ 28.75	\$ 28.75
Barrier Free with Van Accessible Sign	1	EA	\$ 300.00	\$ 300.00	\$ 287.50	\$ 287.50	\$ 603.75	\$ 603.75
Manhole , 4' Diameter	1	EA	\$ 2,200.00	\$ 2,200.00	\$ 1,882.98	\$ 1,882.98	\$ 1,725.00	\$ 1,725.00
Catch Basin, 4' Diameter	2	EA	\$ 1,600.00	\$ 3,200.00	\$ 2,020.85	\$ 4,041.70	\$ 1,955.00	\$ 3,910.00
Pipe, C76-Class IV, 12"	187	LF	\$ 55.00	\$ 10,285.00	\$ 102.58	\$ 19,182.46	\$ 20.70	\$ 3,870.90
Irrigation	1	LS	\$ 4,000.00	\$ 4,000.00	\$ 2,300.00	\$ 2,300.00	\$ 3,450.00	\$ 3,450.00
3" Mulch	23	CY	\$ 25.00	\$ 575.00	\$ 40.25	\$ 925.75	\$ 82.23	\$ 1,891.29
Seeded lawn restoration (includes 3" of topsoil)	189	SY	\$ 5.00	\$ 945.00	\$ 1.73	\$ 326.97	\$ 2.53	\$ 478.17
Amelanchier arborea	3	EA	\$ 425.00	\$ 1,275.00	\$ 345.00	\$ 1,035.00	\$ 287.30	\$ 861.90
Carex elata 'Aurea'	118	EA	\$ 15.00	\$ 1,770.00	\$ 10.35	\$ 1,221.30	\$ 13.28	\$ 1,567.04
Euonymus alatus 'Compactus'	63	EA	\$ 40.00	\$ 2,520.00	\$ 40.25	\$ 2,535.75	\$ 45.54	\$ 2,869.02
Liquidambar styraciflua 'Rotundiloba'	3	EA	\$ 500.00	\$ 1,500.00	\$ 575.00	\$ 1,725.00	\$ 575.58	\$ 1,726.74
Platanus x acerifolia 'Bloodgood'	4	EA	\$ 500.00	\$ 2,000.00	\$ 373.75	\$ 1,495.00	\$ 474.38	\$ 1,897.52
Rosa 'Radrazz'	24	EA	\$ 40.00	\$ 960.00	\$ 34.50	\$ 828.00	\$ 44.28	\$ 1,062.72
Steel Edging	223	LF	\$ 8.00	\$ 1,784.00	\$ 4.60	\$ 1,025.80	\$ 11.39	\$ 2,539.97
TOTAL (ADD Alternate 4)				\$ 118,261.50		\$ 144,375.11		\$ 151,745.61
PROJECT TOTAL (BASE+ALL ADD ALTERNATES) INCLUDING CREW DAYS				\$ 1,562,285.25		\$ 1,646,172.32		\$ 1,668,957.26
PROJECT TOTAL (BASE+ALL ADD ALTERNATES) EXCLUDING CREW DAYS				\$ 1,492,175.25		\$ 1,504,722.32		\$ 1,567,482.26

Note: A bid was also provided by Caasti Construction for a total of \$1,874,640.21, but did not include unit prices as required by the Instructions to Bidders.