



City of Grand Island

Tuesday, February 09, 2010

Council Session

Item G3

**#2010-38 - Approving Change Order #1 to the Irrigation System
Installation at the Veterans Athletic Field Complex**

Staff Contact: Steve Paustian

Council Agenda Memo

From: Steve Paustian, Parks and Recreation Director

Meeting: February 9, 2010

Subject: Change Order #1 Addition and Modifications to the Irrigation System Installation at Veterans Athletic Field Complex

Item #'s: G-3

Presenter(s): Steve Paustian, Parks and Recreation Director

Background

A contract was entered into with Natures Helper Sprinkler Systems in the amount of \$123,750.00 to provide an underground sprinkling system for the new Veterans Athletic Complex. Three additional acres were added to the project to provide additional soccer ground and the original design was modified to change the water source from City water to a private well.

Discussion

It has been determined that the proposed parking lot took away approximately 3.5 acres from the original plan to provide 12 acres for soccer fields. It was determined the acres need to be added to equal the amount of acres being lost at Fonner Park. The original bid by Natures Helper Sprinkler Systems was well below the next low bid and the contractor was willing to add the additional acres to his contract at the same unit price. See attached information.

Alternatives

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Move to approve
2. Refer the Postpone the issue to future date
3. Take no issue to a Committee
4. action on the issue

Recommendation

City Administration recommends that the Council approve the change order in the amount of \$45,415.00.

Sample Motion

Move to increase the amount of the contract to Natures Helper Sprinkler System contract in the amount of \$45,415.00.



*Working Together for a
Better Tomorrow, Today.*

CHANGE ORDER

TO: **Nature's Helper Sprinkler Systems**
2129 S. 156th Cir.
Omaha, NE 68130

CHANGE ORDER NO. 1

PROJECT: **Irrigation Installation – Veterans Athletic Field Complex**

You are hereby directed to make the following change in your contract.

1. Addition and modification to irrigation system installation increase \$ 45,415.00

The original Contract Sum **\$123,750.00**

Previous Change Order Amounts **\$ 0.00**

The Contract Sum is increased by this Change Order **\$ 45,415.00**

The total modified Contract Sum to date **\$169,165.00**

The Contract Time is unchanged.

Approval and acceptance of this Change Order acknowledges understanding and agreement that the cost and time adjustments included represent the complete values arising out of and/or incidental to the work described herein. Additional claims will not be considered.

APPROVED: **CITY OF GRAND ISLAND**

By _____ Date _____
Mayor

Attest _____

Approved as to Form, City Attorney

ACCEPTED: **Nature's Helper Sprinkler Systems**

By _____ Date _____

Estimate

NAME / ADDRESS
City of Grand Island PO Box 1968 Grand Island, NE 68802-1968

Date	Estimate #
11/5/2009	4358

Qty	Description	Cost	Total
1	Change Order Irrigation on the Soccer Field: This does not include the re-design of the zones by the new well on the baseball fields.	0.00	0.00
1	Since the soccer field was moved to the south because of the fiber optic lines on the north side of the property I had to re-designed 17 zones. The architect added square footage to the west of the property so there would be the same total square footage of the soccer field. We have added a total of 8 zones to the soccer field to meet the new requirements. Five zones were added to the soccer field and an additional 3 zones were added to the project along the south side of the property. We re-used the parts that we didn't use in the original plans due to the changes and have used them in the new areas. There is more time required for some of these zones because of the fiber optic lines. The feed lines have to go over the fiber optic lines to install the sprinklers on the other side of the fiber optic lines. This area has to be all hand dug in order to take care not to damage the lines. Another problem that is going to take more time is getting the feed lines to the zones on the other side of the drainage ditch. There is only 6" of dirt on top of the sand so there will be no traction for the trencher. The trencher will just get stuck in the sand. We will have to hand trench through the ditch to get to the zones on the other side.	18,655.00	18,655.00
This estimate is good for 30 days.		Total	\$18,655.00

SOCCER FIELD 200' TO WEST

Quantities	Description	Price	
3	2"x3" Male adapters	2.42	7.26
9	2"x2 1/2" Male Adapters	2.37	21.33
1	2" Male adapters	0.63	0.63
3	3" T	5.68	17.04
13	2 1/2" T	4.36	56.68
1	2 1/2" 90	2.98	2.98
13	2" T	2.02	26.26
34	1 1/2" T	1.6	54.4
18	1 1/4" T	1.3	23.4
1	1" 90	0.33	0.33
	Reducer bushings		0
1	3" x 2 1/2"	1.74	1.74
3	3" x 2"	1.74	5.22
1	3" x 1 1/2"	1.74	1.74
6	2 1/2" x 2"	1.18	7.08
9	2" x 1 1/2"	0.74	6.66
8	2 1/2 x 1 1/2	1.18	9.44
19	1 1/2 x 1 1/4"	0.44	8.36
19	1 1/4" x 1"	0.43	8.17
19	1" fxs 90 elbow	0.44	8.36
	PVC PIPE		0
20	2 1/2"	14.44	288.8
92	1 1/2"	6.39	587.88
49	Falcon rotors	22.93	1123.57
8	2" valves	65.64	525.12
8	2"x6" nipples	1.82	14.56
8	4" x 2" thread gasketed T	41.75	334
8	Decoders	65.88	527.04
20	Wire nuts	0.86	17.2
1	surge protectors	46.67	46.67
1	grounding rod	18.3	18.3
1	1-way cadweld	10.98	10.98
8	valve box	14.52	116.16
49	swing joint	13.84	<u>678.16</u>
			4555.52
Parts		\$	4,555.52
Labor		\$	12,780.00
Concrete for thrust blocking, Rental of Trencher and Skidster,		\$	<u>1,319.48</u>
fuel for machines, & misc.		\$	18,655.00

Estimate

NAME / ADDRESS

City of Grand Island
PO Box 1968
Grand Island, NE 68802-1968

Date

Estimate #

11/5/2009

4358

Qty	Description	Cost	Total
1	I re-designed the main line because the well was moved from the east side of the property to the west side. We will now be running a separate 3" mainline & 3" gate valve in the area between the two drive lane entrances. I re-designed the main line so it would be away from the fiber optic lines. I have switch 100 feet of the 8" gasketed main line pipe to 8" sleeving since we didn't need to go as far to the well, but we are still short 20' of 8" sleeving to get under the parking lot. There was only 100' of sleeving specified for the whole job. I have added 200' of 3" gasketed main line into the area between the two drive lane entrances because that is all the flow requires for the zones for the pipe size. I have added 40' of 6" Class 200 PVC BOE for the sleeving to go under the entrance. It is the same specifications as the 8" PVC that was used for the sleeving.	3,911.00	3,911.00
This estimate is good for 30 days.		Total	\$3,911.00

MOVE MAIN LINE

1 3" gasketed gate valve	192.67	192.67
1 8" class 200 pvc sleeve	141.38	141.38
12 4" gasketed	39.12	469.44
1 4" gasketed T	98.75	98.75
10 3" gasketed	21.34	213.4
1 4" x 3" reducer gasketed	24.81	24.81
1 3" gasketed cap	23.61	23.61
10 3" class 200 gasketed	21.4	214
2 6" class 200 bell end	74.18	148.36

Parts	\$ 1,526.42
Labor	\$ 2,185.00
Concrete for thrust blocking, Rental of Trencher and Skidster,	<u>\$ 199.58</u>
fuel for machines, & misc.	\$ 3,911.00



Bus: 402-334-2625

FAX: 402-334-2656

Estimate

NAME / ADDRESS
City of Grand Island Dept of Park & Rec PO Box 1968 Grand Island, NE 68802-1968

Date	Estimate #
11/29/2009	4367

Qty	Description	Cost	Total
	<p>Change Order Irrigation on the Soccer Field: Added more soccer field to the west.</p> <p>Since more area of the soccer field was added to the west of the field we had to add 9 more zones to the project. We also had to re-design 5 of the zones that were about to be installed or already installed. Otherwise we would have had to add two more additional zones. On two of the zones, the heads will have to be dug up and switched from part circle heads to full circle heads.</p> <p>The mainline loop was already completed when the new area was added so we have to remove three valves and one quick coupler because they are now in the middle of the soccer field. The mainline will stay in its current place and we will feed these three zones from the new mainline that we are going to install on the west side of the property. There will be a total of 800 feet of new mainline and 86 rotors added to the project. We are going to install a new 6 inch "T" reduce it to 4" and add a gate valve for the new mainline. This is the easiest and least expensive way to get the water over to the new area.</p>	22,849.00	22,849.00
This estimate is good for 30 days.		Total	\$22,849.00

Sprinkler Systems • Holiday Lighting

2129 S. 156TH CIR. OMAHA, NE 68130

natureshelperinc.com • info@natureshelperinc.com

Grand Island Soccer Field 200 feet expansion to the west.

QTY	Description	Price	Total
13	1" FXS 90	0.44	5.72
14	1-1/4"x1"x1" Reducing Tee	1.35	18.9
14	1-1/2"x1-1/4"x1" Reducing Tee	1.6	22.4
14	1-1/2"x1" Reducing Tee	1.6	22.4
10	2"x1-1/2"x1" Reducing Tee	2.02	20.2
6	2"x1" Reducing Tee	2.02	12.12
18	2-1/2"x1" Reducing Tee	4.36	78.48
6	2-1/2"x2" Bushing	1.18	7.08
1	3" sxs 90	3.57	3.57
7	2"x3" Reducing Male Adapter	2.42	16.94
5	3"x2-1/2" Bushing	1.74	8.7
4	2-1/2" SxS 90	2.98	11.92
3	2-1/2"x2" Male Adapter	2.37	7.11
2	2-1/2" Tee	3.98	7.96
3	2-1/2"x1-1/2" sxs Reducing Coupler	1.18	3.54
2	1-1/2" sxs 90	0.63	1.26
2	3" Tee	5.23	10.46
4	3" x 2" sxs Reducing Coupler	1.74	6.96
1	2" sxs 90	0.98	0.98
6	3"x1" Reducing Tee	6.23	37.38
1	2-1/2" sxs Coupler	1.31	1.31
3	2" Threaded Plug	1.13	3.39
1	1" Cap	0.55	0.55
40	4" Gasketed Sch 21-20' pipe	34.59	1383.6
11	3" PVC Sch 21 class 200 pipe - 20'	29.72	326.92
79	2-1/2" PVC Sch 21 class 200 pipe 20'	21.4	1690.6
27	2" PVC Sch 21 class 200 pipe 20'	12.71	343.17
54	1.5" PVC Sch 21 class 200 pipe 20'	8.06	435.24
27	1.25" PVC Sch 21 class 200 pipe 20'	6.21	167.67
27	1.25" PVC Sch 21 class 200 pipe 20'	3.71	100.17
70	Falcon 6504 Rotor, full circle, less nozzle	22.93	1605.1
16	Falcon 6504 Rotor, part circle, less nozzle	22.93	366.88
87	1"x12" Swing Joint	13.1	1139.7
1	1"x12" Nipple	1.55	1.55
1	1" TxT Coupler	0.51	0.51
9	2" Rainbird EI Valve	65.64	590.76
9	2"x6" PVC Nipple	1.82	16.38
10	10" Round Valve Box	6.41	64.1
9	4"x2" Tapped Tee (GxGxF)	35.05	315.45
9	1 zone Decoder	65.88	592.92
24	Direct Bury Splice	0.86	20.64
1	5/8 x 8' Ground Rod	18.3	18.3
2	1-way Cadweld	10.98	21.96
1	Surge Protector	46.67	46.67

3 32 oz All Temp Glue	8.4	25.2
3 32oz Primer	7.31	21.93
1 6" Tee (GxGxG)	87.74	87.74
1 4" x 6" Bushing (GxSP)	48.69	48.69
1 4" Cast Iron Ring Tite Gate Valve	309.32	309.32
1 4" Gasketed Elbow	31.41	31.41
1 4" Cap Gasketed	30.01	30.01
2 Quart Pipe Lube	3.88	7.76
20 3/4" Thread Tape	0.55	11
1 1000' 2wire	320.62	<u>320.62</u>
		<u>\$ 10451.3</u>

Parts	<u>\$ 10451.30</u>
Labor	<u>\$ 11280.00</u>
Concrete for thrust blocking, Rental of Trencher and Skidster, fuel for machines, & misc.	<u>\$ 1117.70</u>
	<u>\$ 22849.00</u>

RESOLUTION 2010-38

WHEREAS, on September 8, 2009 by Resolution 2009-220, the City Council of the City of Grand Island awarded the Nature's Helper Sprinkler Systems of Omaha, Nebraska, the bid in the amount of \$123,750.00, for the Furnishing and Installation of an Irrigation System at the new Veterans Athletic Field Complex; and

WHEREAS, it has been determined that additions and modifications to the irrigation system installation to be performed by Nature's Helper Sprinkler Systems are necessary; and

WHEREAS, such modifications have been incorporated into Change Order No. 1; and

WHEREAS, the result of such modifications will increase the contract amount by \$45,415.00 for a revised contract price of \$169,165.00.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the Mayor be, and hereby is, authorized and directed to execute Change Order No. 1 between the City of Grand Island and the Nature's Helper Sprinkler Systems of Omaha, Nebraska to provide the modifications set out as follows:

Additions and modifications to the irrigation system installation\$45,415.00

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Adopted by the City Council of the City of Grand Island, Nebraska, February 9, 2010.

Margaret Hornady, Mayor

Attest:

RaNae Edwards, City Clerk