



City of Grand Island

Tuesday, December 06, 2011

Council Session

Item G14

#2011-359 - Approving Certificate of Final Completion for Sugar Beet Ditch Piping at Suck's Lake; Drainage Project No. 2011-D-3

Staff Contact: John Collins, Public Works Director

Council Agenda Memo

From: Terry Brown, Manager of Engineering Services

Meeting: December 6, 2011

Subject: Approving Certificate of Final Completion for Sugar Beet Ditch Piping at Suck's Lake; Drainage Project No. 2011-D-3

Item #'s: G-14

Presenter(s): John Collins, Public Works Director

Background

The Diamond Engineering Company of Grand Island, Nebraska was awarded a \$69,664.40 bid by the City Council on September 27, 2011 to allow for the lining of what is referred to as the Sugar Beet Ditch and additional piping for better drainage, as well as ease in maintenance. This project also reduced the chance of a potentially hazardous situation, as there was a possibility of an individual falling into the open ditch. Work on the project commenced on October 12, 2011 and was completed on November 28, 2011.

On November 8, 2011 City Council approved Change Order No. 1, which allowed additional work requiring extra tree removal to improve aesthetics; removal of headwall for constructability; and relocation of area inlets with smaller concrete pads for improved drainage, which are more appropriate for this recreational area. Change Order No. 1 increased this project cost by \$12,550.00, for a total contract amount of \$82,214.40.

Discussion

The project was completed in accordance with the terms, conditions and stipulations of the bidding process. The project cost was overrun by \$6,121.04, with work being completed at a total cost of \$88,335.46. The project required more square feet of sidewalk removal and replacement in both Bid Sections "A" and "B" from the original plan quantities; this was discovered once work began. There was also additional fill that was needed to complete the filling in of the ditch, which was not known until the end phase of the project.

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 issue to a Committee
3. Postpone the issue to future date
4. Take no action on the issue

Recommendation

City Administration recommends that the Council approve the Certificate of Final Completion for the Sugar Beet Ditch Piping at Suck's Lake; Drainage Project No. 2011-D-3.

Sample Motion

Move to approve the Certificate of Final Completion.

ENGINEER'S CERTIFICATE OF FINAL COMPLETION

Sugar Beet Ditch Piping @ Suck's Lake; Project No. 2011-D-3
CITY OF GRAND ISLAND, NEBRASKA
December 6, 2011

TO THE MEMBERS OF THE COUNCIL
CITY OF GRAND ISLAND
GRAND ISLAND, NEBRASKA

This is to certify that the Sugar Beet Ditch Piping @ Suck's Lake; Project No. 2011-D-3 has been fully completed by The Diamond Engineering Company of Grand Island, Nebraska under the contract dated September 27, 2011. The work has been completed in accordance with the terms, conditions, and stipulations of said contract and complies with the contract, the plans and specifications. The work is hereby accepted for the City of Grand Island, Nebraska, by me as Public Works Director in accordance with the provisions of Section 16-650 R.R.S., 1943.

Sugar Beet Ditch Piping @ Suck's Lake; Project No. 2011-D-3

Item No.	Description	Total Quantity	Unit	Unit Price	Total Cost
<u>Bid Section "A"</u>					
1	Construct 36" Polypropylene Storm Sewer Pipe	176.00	l.f.	\$59.40	\$10,454.40
2	Remove & Salvage 36" C.M.P.	20.00	l.f.	\$4.75	\$95.00
3	Remove & Replace Concrete Sidewalk	153.10	s.f.	\$4.85	\$742.54
4	Remove & Relocate 36" Flared End	1.00	ea.	\$146.60	\$146.60
5	Furnish & Place Fill	400.00	c.y.	\$11.60	\$4,640.00
6	Seeding	0.16	ac.	\$1,865.00	\$298.40
7	36" x 30" Tee with Standard 30" Grate	1.00	ea.	\$2,150.00	\$2,150.00
Total Bid Section A =					\$18,526.94

<u>Bid Section "B"</u>					
1	Construct 36" Polypropylene Storm Sewer Pipe	128.00	l.f.	\$59.40	\$7,603.20
2	Remove & Salvage 36" C.M.P.	20.00	l.f.	\$4.75	\$95.00
3	Remove & Replace Concrete Sidewalk	186.30	s.f.	\$4.85	\$903.56
4	Remove & Replace 36" Flared End	0.00	ea.	\$146.60	\$0.00
5	Furnish & Place Fill	290.00	c.y.	\$11.60	\$3,364.00
6	Seeding	0.12	ac.	\$1,865.00	\$223.80
7	36" x 30" Tee with Standard 30" Grate	1.00	ea.	\$2,150.00	\$2,150.00
Total Bid Section B =					\$14,339.56

Bid Section "C"

1	Construct 36" HDPE N-12 Storm Sewer Pipe	376.00	l.f.	\$47.85	\$17,991.60
2	Construct 4'x8' Junction Box	1.00	ea.	\$3,065.00	\$3,065.00
3	Construct Junction Box with Beehive Inlet	0.00	ea.	\$1,870.00	\$0.00
4	Remove 36" Flared End Section	2.00	ea.	\$100.00	\$200.00
5	Furnish & Place Fill	1173.00	c.y.	\$11.60	\$13,606.80
6	Seeding	0.67	ac.	\$1,865.00	\$1,249.55
7	36" x 30" Tee with Standard 30" Grate	2.00	ea.	\$2,010.00	\$4,020.00
Total Bid Section C =					\$40,132.95

Change Order No. 1

CO1-1	Tree Removal	7.00	ea.	\$500.00	\$3,500.00
CO1-2	Headwall Removal	1.00	ea.	\$500.00	\$500.00
CO1-3	10" HDPE	58.20	l.f.	\$80.00	\$4,656.00
CO1-4	90° Installed Fitting (10")	3.00	ea.	\$175.00	\$525.00
CO1-5	10" Insert-a-tee	3.00	ea.	\$730.00	\$2,190.00
CO1-6	Installed 1" HDPE Riser & Drop in Grate	3.00	ea.	\$190.00	\$570.00
CO1-7	Concrete Pad (3' x 3')	3.00	ea.	\$425.00	\$1,275.00
CO1-8	24" Drop in Grate	4.00	ea.	\$530.00	\$2,120.00
Total Bid Section C =					\$15,336.00

Grand Total - Bid Sections A, B, C, Change Order No. 1 = \$88,335.44

I hereby recommend that the Engineer's Certificate of Final Completion for the Sugar Beet Ditch Piping @ Suck's Lake; Project No. 2011-D-3 be approved.

John Collins – City Engineer/Public Works Director

Jay Vavricek – Mayor

RESOLUTION 2011-359

WHEREAS, the City Engineer/Public Works Director for the City Of Grand Island has issued a Certificate of Completion for the Sugar Beet Ditch Piping at Suck's Lake; Drainage Project No. 2011-D-3, certifying that The Diamond Engineering Company of Grand Island, Nebraska, under contract, has completed the project; and

WHEREAS, the City Engineer/Public Works Director recommends the acceptance of the project; and

WHEREAS, the Mayor concurs with the recommendation of the City Engineer/Public Works Director; and

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the Certificate of Final Completion for the Sugar Beet Ditch Piping at Suck's Lake; Drainage Project No. 2011-D-3, is hereby confirmed.

Adopted by the City Council of the City of Grand Island, Nebraska, December 6, 2011.

Jay Vavricek, Mayor

Attest:

RaNae Edwards, City Clerk