



City of Grand Island

Tuesday, November 6, 2018

Council Session

Item G-9

#2018-335 - Approving Certificate of Final Completion for West Stolley Park Road and Engleman Road Sanitary Sewer Extension; Project No. 2017-S-3 and Sanitary Sewer District No. 540T

Staff Contact: John Collins, P.E. - Public Works Director

Council Agenda Memo

From: Keith Kurz PE, Assistant Public Works Director

Meeting: November 6, 2018

Subject: Approving Certificate of Final Completion for West Stolley Park Road and Engleman Road Sanitary Sewer Extension; Project No. 2017-S-3 and Sanitary Sewer District No. 540T

Presenter(s): John Collins PE, Public Works Director

Background

Sanitary Sewer Project No. 2017-S-3 planned, designed and built an extension of the sanitary sewer from Stolley Park Road and Freedom Drive intersection west to just beyond the planned new US Highway 30 west realignment. This extension would be difficult and costly after the new highway is constructed.

Sanitary Sewer District No. 540T, which was created by City Council on April 11, 2017 via Ordinance No. 9629, continued west to areas between the existing Highway 30 alignment and the proposed realignment including the West Park Plaza Mobile Home Park. West Park Plaza and property along the existing Highway 30 route are within city limits and in need of City sanitary services. This tap district has the ability to serve areas that are yet to be developed, which is anticipated to change with the west US Highway 30 realignment project. Sewer is now available to approximately 250 properties that previously did not have access; the majority of these properties are within the West Park Plaza Mobile Home Park. The district costs, which equate to \$707,067.32, will be assessed to the properties within such. A district boundary is attached for reference.

The Diamond Engineering Company of Grand Island, Nebraska was awarded a \$747,545.56 contract for construction of Sanitary Sewer Project No. 2017-S-3 and Sanitary Sewer District No. 5540T on January 23, 2018 via Resolution No. 2018-19.

On March 27, 2018, via Resolution No. 2018-83, City Council approved Change Order No.1 in the amount of \$36,056.10, which allowed for the establishment of unit prices for gravel bedding in the 15" and 21" sanitary sewer pipe, as this was used in lieu of rock bedding.

Work commenced on January 24, 2018 and was completed on October 24, 2018.

Discussion

The project was completed in accordance with the terms, conditions, and stipulations of the contract, plans and specifications. Construction was completed with an underrun of \$12,407.48, for a total cost of \$771,194.18. The underrun is a result of using native soils

and gravel pipe bedding instead of the rock that was specified in the bidding documents. Additional project costs are shown below.

ADDITIONAL COSTS

| | |
|--|---------------|
| Public Works Engineering Services | \$ 14,298.79 |
| Olsson Associates- Engineering Services | \$ 232,867.00 |
| Grand Island Independent- Advertising | \$ 257.86 |
| Hall County Register of Deeds- Filing | \$ 246.00 |
| Troy Sidak- Easement | \$ 7,018.00 |
| Mettenbrink Farms- Easement | \$ 3,300.00 |
| Shafer & Hartman Farms- Easement | \$ 32,170.21 |
| Daniel Garner- Easement | \$ 6,000.00 |
| Gary Rowe- Easement | \$ 3,500.00 |
| Glen Schwarz- Easement | \$ 4,000.00 |
| L & P Investments- Easement | \$ 5,390.00 |
| Northwestern Energy | \$ (8,396.74) |
| Additional Costs Total= \$ 300,651.12 | |

Total project cost is \$1,071,845.30, with an assessable amount of \$707,067.32, which will be presented to the Board of Equalization on December 4, 2018. The remaining costs are attributed to Sanitary Sewer Project No. 2017-S-3.

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 West Stolley Park Road and Engleman Road Sanitary Sewer Extension; Project No. 2017-S-3 and Sanitary Sewer District No. 540T and set the Board of Equalization date of December 4, 2018.

Sample Motion

Move to approve the Certificate of Final Completion for West Stolley Park Road and Engleman Road Sanitary Sewer Extension; Project No. 2017-S-3 and Sanitary Sewer District No. 540T and set the Board of Equalization date of December 4, 2018.

ENGINEER'S CERTIFICATE OF FINAL COMPLETION

West Stolley Park Road and Engleman Road Sanitary Sewer Extension; Project No. 2017-S-3
and Sanitary Sewer District No. 540T
CITY OF GRAND ISLAND, NEBRASKA
November 6, 2018

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

This is to certify that West Stolley Park Road and Engleman Road Sanitary Sewer Extension; Project No. 2017-S-3 and Sanitary Sewer District No. 540T has been fully completed by The Diamond Engineering Company of Grand Island, Nebraska under the contract dated January 23, 2018. 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.

| Item No. | Description | Total Quantity | Unit | Unit Price | Total Cost |
|--------------------------------|---|----------------|------|--------------|----------------------|
| Base Bid Section- | | | | | |
| 1 | Mobilization / Demobilization | 1.00 | LS | \$ 12,000.00 | \$ 12,000.00 |
| 2 | 21" PVC Sanitary Sewer with Native Bedding | 1,501.00 | LF | \$ 56.10 | \$ 84,206.10 |
| 3 | 21" PVC Sanitary Sewer with Rock Bedding | 231.00 | LF | \$ 73.75 | \$ 17,036.25 |
| 4 | 15" PVC Sanitary Sewer with Native Bedding | 5,838.00 | LF | \$ 39.55 | \$ 230,892.90 |
| 5 | 15" PVC Sanitary Sewer with Rock Bedding | 0.00 | LF | \$ 53.95 | \$ 0.00 |
| 6 | 10" PVC Sanitary Sewer with Native Bedding | 264.00 | LF | \$ 55.95 | \$ 14,770.80 |
| 7 | 8" PVC Sanitary Sewer with Native Bedding | 127.00 | LF | \$ 47.50 | \$ 6,032.50 |
| 8 | 6" PVC Sanitary Service with Native Bedding | 748.00 | LF | \$ 42.55 | \$ 31,827.40 |
| 9 | 21" PVC Plug | 1.00 | EA | \$ 600.00 | \$ 600.00 |
| 10 | 15" PVC Plug | 1.00 | EA | \$ 190.00 | \$ 190.00 |
| 11 | 10" PVC Plug | 7.00 | EA | \$ 115.00 | \$ 805.00 |
| 12 | 8" PVC Plug | 2.00 | EA | \$ 70.00 | \$ 140.00 |
| 13 | 6" Service Connection | 20.00 | EA | \$ 355.00 | \$ 7,100.00 |
| 14 | 34" x 0.500" Steel Casing Pipe | 231.00 | LF | \$ 200.00 | \$ 46,200.00 |
| 15 | 48" Type 1 Concrete Manhole | 14.00 | EA | \$ 3,000.00 | \$ 42,000.00 |
| 16 | 48" Type 2 Concrete Manhole | 12.00 | EA | \$ 3,030.00 | \$ 36,360.00 |
| 17 | Additional Manhole Depth (Type 1) | 130.44 | VF | \$ 308.75 | \$ 40,273.35 |
| 18 | Additional Manhole Depth (Type 2) | 117.28 | VF | \$ 308.75 | \$ 36,210.20 |
| 19 | Connect to Existing Sanitary Sewer | 1.00 | EA | \$ 785.00 | \$ 785.00 |
| 20 | Remove Asphalt Paving | 946.00 | SY | \$ 4.85 | \$ 4,588.10 |
| 21 | Tree Removal | 1.00 | LS | \$ 9,300.00 | \$ 9,300.00 |
| 22 | Remove and Replace Fence | 320.00 | LF | \$ 11.00 | \$ 3,520.00 |
| 23 | Remove and Reset Sign | 1.00 | EA | \$ 115.00 | \$ 115.00 |
| 24 | Place 8" Concrete Pavement | 1,002.00 | SY | \$ 49.45 | \$ 49,548.90 |
| 25 | Traffic Control | 0.75 | LS | \$ 9,500.00 | \$ 7,125.00 |
| 26 | Dewatering | 1,721.00 | LF | \$ 33.10 | \$ 56,965.10 |
| 27 | Seeding (Type 2) | 3.47 | ACR | \$ 2,300.00 | \$ 7,981.00 |
| 28 | Erosion Control | 1.00 | LS | \$ 19,575.00 | \$ 19,575.00 |
| Total Base Bid Section= | | | | | \$ 766,147.58 |

| Change Order No. 1- | | | | | | |
|----------------------------------|--------------------|--------|----|----|------|--------------------|
| CO1-1 | 21" Gravel Bedding | 647.00 | LF | \$ | 7.80 | \$ 5,046.60 |
| CO1-2 | 15" Gravel Bedding | 0.00 | LF | \$ | 6.70 | \$ 0.00 |
| Total Change Order No. 1= | | | | | | \$ 5,046.60 |

| |
|-----------------------------------|
| Grand Total= \$ 771,194.18 |
|-----------------------------------|

Additional Costs:

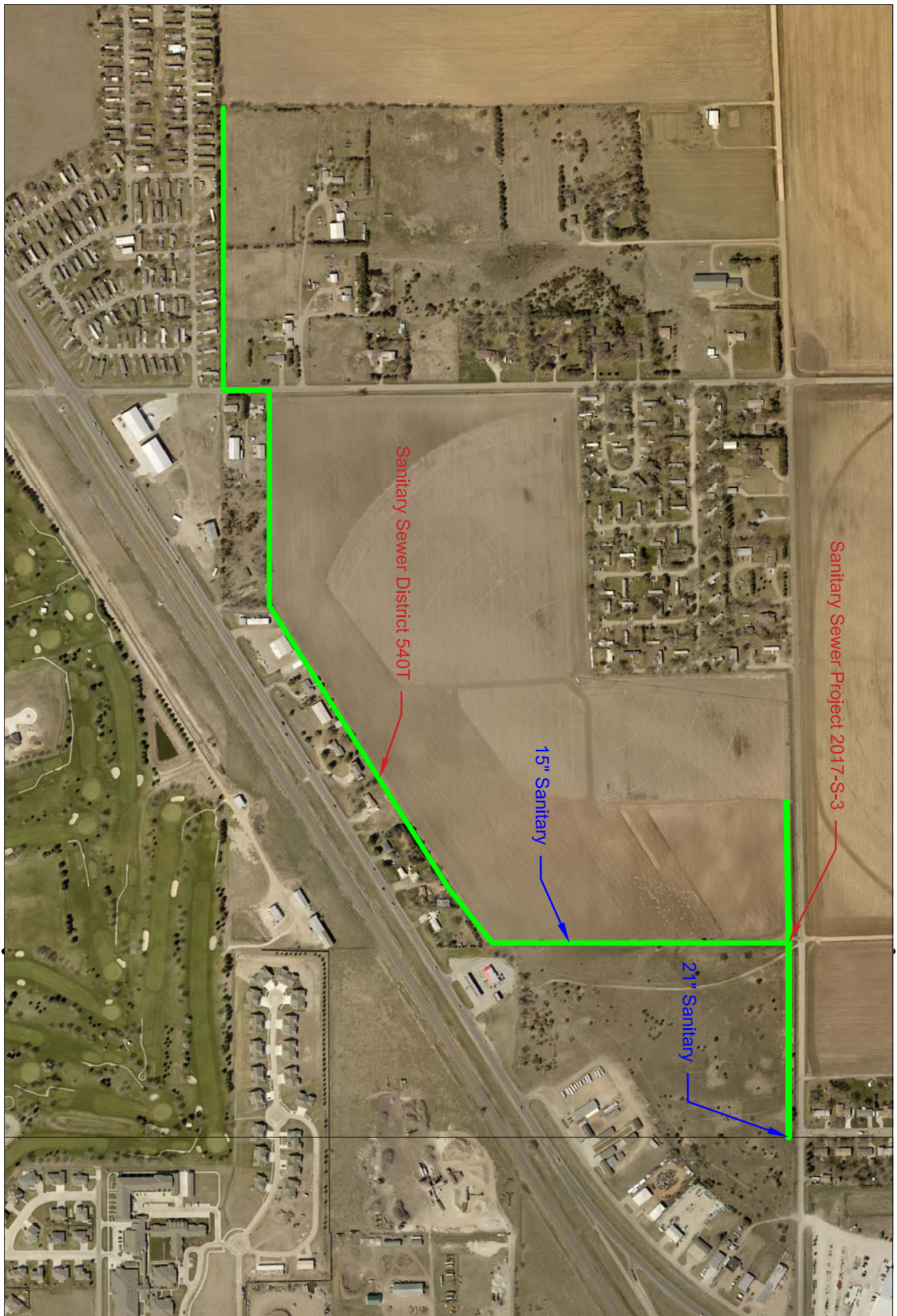
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| L & P Investments- Easement | \$ 5,390.00 |
| Northwestern Enenergy | \$ (8,396.74) |
| Additional Costs Total= | \$ 300,651.12 |

| |
|---|
| Total Project Cost= \$1,071,845.30 |
|---|

I hereby recommend that the Engineer's Certificate of Final Completion for West Stolley Park Road and Engleman Road Sanitary Sewer Extension; Project No. 2017-S-3 and Sanitary Sewer District No. 540T be approved.

John Collins – City Engineer/Public Works Director

Jeremy L. Jensen – Mayor



RESOLUTION 2018-335

WHEREAS, the City Engineering/Public Works Director for the City of Grand Island issued a Certificate of Final Completion for West Stolley Park Road and Engleman Road Sanitary Sewer Extension; Project No. 2017-S-3 and Sanitary Sewer District No. 540T certifying that The Diamond Engineering Company of Grand Island, Nebraska, under contract, has completed such project for the total construction amount of \$771,194.18; and

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

WHEREAS, additional project costs equate to \$300,651.12, as shown

ADDITIONAL COSTS

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|--|---------------|
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| Additional Costs Total= \$ 300,651.12 | |

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

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that:

1. The Certificate of Final Completion for West Stolley Park Road and Engleman Road Sanitary Sewer Extension; Project No. 2017-S-3 and Sanitary Sewer District No. 540T, in the amount of \$1,071,845.30 is hereby confirmed.
2. The City Council will sit as a Board of Equalization on December 4, 2018 to determine benefits and set assessments for Sanitary Sewer District No. 540T.
- 3.

- - -

| | | |
|---------------------|--------------------------|---------------|
| Approved as to Form | <input type="checkbox"/> | _____ |
| November 5, 2018 | <input type="checkbox"/> | City Attorney |

Adopted by the City Council of the City of Grand Island, Nebraska, November 6, 2018.

Jeremy L. Jensen, Mayor

Attest:

RaNae Edwards, City Clerk