

City of Grand Island

Tuesday, November 8, 2016 Council Session

Item G-19

#2016-282 - Approving Certificate of Final Completion for Sanitary Sewer District No. 528 and 530T

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

Council Agenda Memo

From: Terry Brown PE, Assistant Public Works Director

Meeting: November 8, 2016

Subject: Approving Certificate of Final Completion for Sanitary Sewer

District No. 528 and 530T

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

Background

On June 10, 2014, by Resolution No. 2014-163, Van Kirk Brothers Contracting of Sutton, Nebraska was awarded a contract for Sanitary Sewer District No. 528 and 530T in the amount of \$3,374,118.70.

On February 10, 2015, by Resolution No. 2015-38 City Council approved Change Order No. 1, which allowed for additional work days on both Sanitary Sewer District No. 528 & 530T due to inclement weather, problems with dewatering, and subcontractor construction issues that hindered the ability to reach the original contract deadline. Change Order No. 1 was at no monetary cost to the City.

On March 24, 2015, by Resolution No. 2015-75 City Council approved Change Order No. 2 which authorized two (2) locations; Guenther Road and 1,000 feet south of Guenther Road, to change from direct borings to open cuts at each location. This change resulted in a net credit of \$47,507.46, for a revised contact amount of \$3,326,611.24.

On June 9, 2016, by Resolution No. 2015-145 City Council approved Change Order No. 3 which allowed for additional work days for Sanitary Sewer District No. 530T, and was no additional monetary cost to the City.

On March 8, 2016, by Resolution No. 2016-48 City Council approved Change Order No. 4 to consolidate final quantities and extra items encountered during the construction projects. This change order resulted in an overall increase of \$124,202.98, for a revised total contract amount of \$3,450,814.22.

This project extended sanitary sewer to Wildwood Subdivision, as well as south along US Highway 281 to Interstate 80.

Work on the project commenced July 2014, with substantial completion recognized July 27, 2015 and August 12, 2015 for Sanitary Sewer District No. 528 and 530T respectively. Final completion was established July 2016.

Discussion

The project was completed in accordance with the terms, conditions and stipulations of the contract, plans and specifications. Construction work for both Sanitary Sewer District No. 528 and 530T was completed at a total cost of \$3,450,814.22. Additional project costs are shown below.

ADDITIONAL PROJECT COSTS - Sanitary Sewer District No. 528

Olsson & Associates	Preliminary & Construction Engineering	\$ 106,578.78
City of Grand Island Public Works Engineering	Preliminary & Construction Engineering	\$ 65,000.00
The Grand Island Independent	Advertising	\$ 117.10
Hall County Register of Deeds	Filing Fees	\$ 28.00
Bank of America	Miscellaneous Project Costs (rentals)	\$ 2,344.97
John Hinkle	Landscaping Restoration	\$ 451.00
Rick Johnson	Sod	\$ 10.12

Subtotal Additional Project Costs = \$ 174,529.97

ADDITIONAL PROJECT COSTS - Sanitary Sewer District No. 530T

Olsson & Associates	Preliminary & Construction Engineering	\$ 201,240.49
City of Grand Island Public Works Engineering	Preliminary & Construction Engineering	\$ 55,000.00
The Grand Island Independent	Advertising	\$ 151.62
Hall County Register of Deeds	Filing Fees	\$ 210.00
Kirby Smith	Easements	\$ 7,430.00
Karen Diane Bockmann	Easements	\$ 26,811.65
Bosselman Pump & Pantry	Easements	\$ 200,000.00
Lawney Rathman	Easements	\$ 47,342.00

Subtotal Additional Project Costs = \$ 538,185.76

Total project costs, for both sanitary sewer districts, equate to \$4,163,529.95, of which all or a portion of will be assessed to the affected property owners, within each separate district, at the Board of Equalization on December 13, 2016.

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 Sanitary Sewer District No. 528 and 530T and set the Board of Equalization date of December 13, 2016.

Sample Motion

Move to approve the Certificate of Final Completion for Sanitary Sewer District No. 528 and 530T and set the Board of Equalization date of December 13, 2016.

ENGINEER'S CERTIFICATE OF FINAL COMPLETION

Sanitary Sewer District No. 528 Sanitary Sewer District No. 530T CITY OF GRAND ISLAND, NEBRASKA November 8, 2016

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

This is to certify that Sanitary Sewer District No. 528 & 530T have been fully completed by Van Kirk Brothers Contractors of Sutton, Nebraska under the contract dated June 10, 2014. 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.

Sanitary Sewer District No. 528 & 530T

Item No.	Description	Total Quantity		Unit	Unit Price	Total Cost	
Sanitar	y Sewer District No. 528						
C1.01	24" Sanitary Sewer Main	\$	2,977.00	LF	\$ 60.00	\$	178,620.00
C1.02	15" Sanitary Sewer Main	\$	100.00	LF	\$ 42.00	\$	4,200.00
C1.03	12" PVC Sanitary Sewer Main	\$	15.00	LF	\$ 50.00	\$	750.00
C1.04	10" PVC Sanitary Sewer Main	\$	1,511.00	LF	\$ 50.00	\$	75,550.00
C1.05	24" Sanitary Sewer Main Cap	\$	-	EA	\$ 600.00	\$	-
C1.06	15" Sanitary Sewer Main Cap	\$	1.00	EA	\$ 360.00	\$	360.00
C1.07	12" Sanitary Sewer Main Cap	\$	1.00	EA	\$ 300.00	\$	300.00
C1.08	48" Dia. Precast Manhole - Type 2 (5' Depth)	\$	12.00	EA	\$ 3,800.00	\$	45,600.00
C1.09	Additional Manhole Depth, Type 2	\$	116.60	VF	\$ 318.00	\$	37,078.80
C1.10	6" PVC Sanitary Sewer Service	\$	814.00	LF	\$ 30.00	\$	24,420.00
C1.11	6" PVC Sanitary Sewer Service - Casing Per Detail	\$	-	LF	\$ 47.00	\$	-
C1.12	6" PVC Sanitary Sewer Service Inserta Tee	\$	6.00	EA	\$ 350.00	\$	2,100.00
C1.13	10" x 6" PVC Sanitary Service Tee	\$	21.00	EA	\$ 215.00	\$	4,515.00
C1.14	6" Service Cap	\$	27.00	EA	\$ 25.00	\$	675.00
C1.15	Dry Bore and Install 36" Encasement	\$	425.00	LF	\$ 663.00	\$	281,775.00
C1.16	Remove Existing 15" Sanitary Sewer Cap	\$	1.00	EA	\$ 350.00	\$	350.00
C1.17	Remove Asphalt Paving	\$	7,946.00	SY	\$ 4.00	\$	31,784.00
C1.18	Remove Asphalt Driveway	\$	632.00	SY	\$ 5.00	\$	3,160.00
C1.19	Temporary Access to Properties	\$	1.00	LS	\$ 20,000.00	\$	20,000.00
C1.20	Remove Concrete Driveway	\$	482.00	SY	\$ 6.00	\$	2,892.00
C1.21	Remove Landscaping	\$	1.00	LS	\$ 3,500.00	\$	3,500.00
C1.22	Remove, Salvage, and Reuse 18" R.C. Pipe	\$	-	LF	\$ 30.00	\$	-
C1.23	Remove, Salvage, and Reuse 15" R.C. Pipe	\$	-	LF	\$ 25.00	\$	-
C1.24	Remove, Salvage, and Reuse 12" R.C. Pipe	\$	-	LF	\$ 20.00	\$	-
C1.25	Remove, Salvage, and Ruse 18" Flared End Section	\$	-	EA	\$ 150.00	\$	-
C1.26	Remove, Salvage, and Reuse 12" R.C. Flared End Section	\$	-	EA	\$ 125.00	\$	-
C1.27	Remove 36" Arch Corrugated Metal Pipe	\$	40.00	LF	\$ 15.00	\$	600.00
C1.28	Remove 24" Corrugated Metal Pipe	\$	48.00	LF	\$ 10.00	\$	480.00
C1.29	Remove 18" Corrugated Metal Pipe	\$	89.00	LF	\$ 10.00	\$	890.00

C1.30	Remove 12" Corrugated Metal Pipe	\$	174.00	LF	\$	10.00	\$	1,740.00
C1.31	Remove 12" PVC Pipe	\$	60.00	LF	\$	10.00	\$	600.00
C1.32	8" P.C. Concrete Paving	\$	7,355.00	SY	\$	45.00	\$	330,975.00
C1.33	6" P.C. Concrete Paving	\$	1,506.03	SY	\$	41.00	\$	61,747.23
C1.34	3" Gravel Driveway	\$	1,500.05	SY	\$	3.25	\$	01,747.23
C1.35	24" Round Equivalent R.C. Storm Sewer Pipe	\$	80.00	LF	\$	80.00	\$	6,400.00
C1.36	18" Round Equivalent R.C. Storm Sewer Pipe	\$	32.00	LF	\$	74.00	\$	2,368.00
C1.37	24" R.C. Storm Sewer Pipe	\$	80.00	LF	\$	60.00	\$	4,800.00
C1.38	18" R.C. Storm Sewer Pipe	\$	542.00	LF	\$	52.00	\$	28,184.00
C1.39	<u>'</u>	\$		LF	\$		\$	·
	15" R.C. Storm Sewer Pipe		377.00		1	40.00		15,080.00
C1.40	24" R.E. R.C. Flared End Section	\$	4.00	EA	\$	900.00	\$	3,600.00
C1.41	18" R.E. R.C. Flared End Section	\$	2.00	EA	\$	680.00	\$	1,360.00
C1.42	24" R.C. Flared End Section	\$	2.00	EA	\$	885.00	\$	1,770.00
C1.43	18" R.C. Flared End Section	\$	10.00	EA	\$	750.00	\$	7,500.00
C1.44	15" R.C. Flared End Section	\$	10.00	EA	\$	720.00	\$	7,200.00
C1.45	12" R.C. Flared End Section	\$	8.00	EA	\$	600.00	\$	4,800.00
C1.46	Adjust Manhole to Grade	\$	7.00	EA	\$	250.00	\$	1,750.00
C1.47	Concrete Header	\$	24.00	LF	\$	30.00	\$	720.00
C1.48	Seeding, Agricultural Areas	\$	2.00	AC	\$	1,800.00	\$	3,600.00
C1.49	Seeding, Unimproved Areas	\$	2.49	AC	\$	1,800.00	\$	4,482.00
C1.50	Seeding, Improved Areas	\$	0.50	AC	\$	1,800.00	\$	900.00
C1.51	Over-Excavation	\$	-	CY	\$	1.00	\$	-
C1.52	Dewatering	\$	4,603.00	LF	\$	76.00	\$	349,828.00
C1.53	Traffic Control	\$	1.00	LS	\$	5,000.00	\$	5,000.00
C1.54	Mobilization/Demobilization	\$	1.00	LS	\$	43,000.00	\$	43,000.00
C1.55	Sediment and Erosion Control	\$	1.00	LS	\$	10,000.00	\$	10,000.00
	Sub	tota	I Sanitary	Sewer Dis	stric	t No. 528 =	\$	1,617,004.03
Alterna	te Bid No. 1 Sanitary Sewer District No. 528			<u> </u>	1			
C1 56	Cold Mill and Remove Asphalt Paving and Salvage	•		ev	•	7 146 00	Ф	
C1.56	to City Cold Mill and Remove Asphalt Driveway and	\$	-	SY	\$	7,146.00	\$	-
C1.57	Salvage to City	\$	-	SY	\$	580.00	\$	-
	Alternate Bio	l No	. 1 Sanitar	v Sewer D	istr	ict No. 528	\$	-
	y Sewer District No. 528 Change Order No. 1 -							
Time Ex	xtension	\$		n/a	\$		\$	
		Ψ	-	I II/a	Ψ	-	Ψ	-
Sanitar	y Sewer District No. 528 Change Order No. 2 -							
See Sai	ntiary Sewer District No. 530T							
		\$	-	n/a	\$	-		
Sanitar	y Sewer District No. 528 Change Order No. 3 -							
	xtension							
		\$	-	n/a	\$	-	\$	-

Sanitary	Sewer District No. 528 Change Order No. 4							
CO4-1	Additional Staking at Nebraska Truck Service	\$	1.00	LS	\$	8,472.63	\$	8,472.63
CO4-2	Restock 24" Sanitite Cap	\$	1.00	LS	\$	100.74	\$	100.74
CO4-3	Additional Driveway for Island Towing	\$	1.00	LS	\$	2,318.40	\$	2,318.40
	Temporary Fence and Gates at Bauer Built Tires,						_	
CO4-4	Nebraska Truck Center & Island Towing	\$	1.00	LS	\$	3,506.04	\$	3,506.04
CO4-5	Remove 18" R.C. Pipe	\$	480.00	LF	\$	18.00	\$	8,640.00
CO4-6	Remove 15" R.C. Pipe	\$	140.00	LF	\$	15.00	\$	2,100.00
CO4-7	Remove 12" R.C. Pipe	\$	240.00	LF	\$	13.00	\$	3,120.00
CO4-8	Remove 18" F.E.S.	\$	100.00	EA	\$	2.00	\$	200.00
CO4-9	Remove 12" R.C. F.E.S.	\$	100.00	EA	\$	2.00	\$	200.00
CO4-10	Millings Various Locations	\$	1.00	LS	\$	10,726.35	\$	10,726.35
CO4-11	Crushed Rock and Millings at GI Trailers	\$	1.00	LS	\$	6,193.24	\$	6,193.24
CO4-12	12" R.C. Storm Sewer Pipe	\$	1.00	LS	\$	6,384.00	\$	6,384.00
CO4-12	Area Inlet at High-Tech Diesel	\$	3,250.00	LS	\$	1.00	\$	3,250.00
CO4-13	Erosion & Control Mat	\$	13,942.30	LS	\$	1.00	\$	13,942.30
			Subtota	al Change	Orc	ler No. 4 =	\$	69,153.70
						'	-	,
	GRAND TOTAL S	ANI	TARY SEW	ER DISTR	RICT	NO. 528 =	\$1,	686,157.73
Sanitary	Sewer District No. 530T			I				
C2.01	Mobilization/Demobilization	\$	1.00	LS	\$	43,000.00	\$	43,000.00
C2.02	Dewatering	\$	9,769.00	LF	\$	76.00	\$	742,444.00
C2.03	Clearing & Grubbing	\$	1.00	LS	\$	8,500.00	\$	8,500.00
C2.04	24" Sanitary Sewer Line, SDR 26	\$	3,952.50	LF	\$	48.00	\$	189,720.00
C2.05	18" Sanitary Sewer Line, SDR 26	\$	5,392.00	LF	\$	43.00	\$	231,856.00
C2.06	15" Sanitary Sewer Line, SDR 26	\$	5.00	LF	\$	65.00	\$	325.00
C2.07	12" PVC Sanitary Sewer Line, SDR 26	\$	320.00	LF	\$	30.00	\$	9,600.00
C2.08	Jack and Bore 26" x 0.563" W.T. Steel Casing	\$	66.00	LF	\$	656.00	\$	43,296.00
C2.09	Jack and Bore 30" x 0.500" W.T. Steel Casing	\$	230.00	LF	\$	631.00	\$	145,130.00
C2.10	Jack and Bore 24" x 0.438" W.T. Steel Casing	\$	212.00	LF	\$	442.00	\$	93,704.00
C2.11	48" Dia. Precast Manhole - Type 2 (5' Depth)	\$	27.00	EA	\$	3,800.00	\$	102,600.00
C2.12	48" Dia. Precast Drop Manhole - Type 3	\$	1.00	EA	\$	4,900.00	\$	4,900.00
C2.13	Additional Manhole Depth, Type 2	\$	199.30	VF	\$	318.00	\$	63,377.40
C2.14	Install 15" Sewer Pipe Plug	\$	1.00	EA	\$	360.00	\$	360.00
C2.15	Install 23" Sewer Pipe Plug	\$	4.00	EA	\$	300.00	\$	1,200.00
C2.16	6" Sewer Service Connection	\$	5.00	EA	\$	765.14	\$	3,825.70
C2.17	Remove and Replace Barb Wire Fence	\$	5,757.00	LF	\$	4.30	\$	24,755.10
C2.18	Remove Tree (>6" in Dia.)	\$	1.00	EA	\$	400.00	\$	400.00
C2.19	Gravel Surfacing	\$	160.53	TN	\$	19.00	\$	3,050.07
C2.20	Seeding, Unimproved Areas	\$	7.80	AC	\$		\$	14,430.00
C2.21	Sediment and Erosion Control	\$	1.00	LS	\$		\$	25,000.00
C2.22	Traffic Control	\$	1.00	LS	\$		\$	4,300.00
C2.23	48" Dia. Precast Manhole - Type 3	\$	2.00	EA	\$		\$	7,600.00
C2.24	Additional Manhole Depth, Type 3	\$	22.27	VF	\$		\$	7,081.86
						No. 530T =	1	1,770,455.13
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Sanitary	y Sewer District No. 528 Change Order No. 1 - Time	Exte	nsion			\$	0
0 '4	O company District No. 5007 Observe October No. 0						
Sanitary	y Sewer District No. 530T Change Order No. 2 Guenther Road Additions - Remove Concrete						
CO2-1	Pavement change quantity to 80					\$	_
002 1	Guenther Road Additions - Replace 9" Concrete	1				Ψ	
CO2-2	Pavement change quantity to 80					\$	-
	Guenther Road Additions - Subgrade Prep						
CO2-3	change quantity to 80					\$	-
	Guenther Road Additions - Remove & Reset 48"						
CO2-4	RCP, remove line item					\$	-
	Guenther Road Additions - Wells Drill that would						
CO2-5	not be needed remove line item	L	UMP SUI	MP CHAN	IGE ORDER	\$	
CO2-6	Sign Bore Additions - 48" Manhole Sta. 63+25,					\$	
CO2-6	change quantity, no change in total price Sign Bore Additions - 48" Manhole Sta. 64+53,					Ψ	- _
CO2-7	change quantity, no change in total price					\$	_
002 /	Guenther Road Deletion - Jack & Bore 36" x					Ψ	
	0.563"WT Steel Casing in lieu of open trenching						
CO2-8	sewer main					\$	-
	Sign Bore Deletion - Jack & Bore 30" x 500" WT					\$	
CO2-9	Steel Casing in lieu of open trenching sewer main						
			Subtota	al Change	Order No. 2 =	\$	(47,507.46)
			_				
Sanitary	y Sewer District No. 528 Change Order No. 3 - Time	Exte	nsion			\$	0
Sanitary	y Sewer District No. 530T Change Order No. 4						
CO4-1	Downtime for Potential Contamination	\$	1.00	LS	\$ 15,872.14	\$	15,872.14
CO4-2	Rock Bedding Due to Clay Liner	\$	1.00	LS	\$ 11,795.00	\$	11,795.00
CO4-3	Re-stock Charge (ended 200' short)	\$	1.00	LS	\$ 662.17	\$	662.17
CO4-4	Break-through of Concrete Foundation	\$	1.00	LS	\$ 7,459.19	\$	7,459.19
CO4-5	Modification of Manhole and Forcemain Tie-In	\$	1.00	LS	\$ 4,907.88	\$	4,907.88
JU-1-U	Added Gates and Barbed Wire Fence at	Ψ	1.00		Ψ 4,007.00	Ψ	7,007.00
CO4-6	Bockmann Property	\$	1.00	LS	\$ 1,012.44	\$	1,012.44
			Subtota	al Change	Order No. 4 =	\$	41,708.82
				J		•	
	GRAND TOTAL SA	NITAF	RY SEWE	R DISTRI	CT NO. 530T =	\$	1,764,656.49
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ADDITIONAL PROJECT COSTS - Sanitary Sewer District No. 528

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Sanitary Sewer District No. 528 Total Costs - \$1,860,687.70

Sanitary Sewer District No. 530T Total Costs - \$2,302,842.25

Total Costs Sanitary Sewer District No. 528 & 530T - \$4,163,529.95

I hereby recommend that the Engineer's Certificate of Fir 530T be approved.	al Completion for Sanitary Sewer District No. 528 &
John Collins, PE - City Engineer/Public Works Director	Jeremy L. Jensen – Mayor

RESOLUTION 2016-282

WHEREAS, the City Engineer/Public Works Director for the City Of Grand Island has issued a Certificate of Completion for Sanitary Sewer District No. 528 and 530T, certifying that Van Kirk Brothers Contractors of Sutton, Nebraska, under contract, has completed such sanitary sewer districts; and

WHEREAS, the City Engineer/Public Works Director recommends the acceptance of the both sanitary sewer districts; and

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 Sanitary Sewer District No. 528 in the total amount of \$1,860,687.70 and Sanitary Sewer District No. 530T in the total amount of \$2,302,842.25 is hereby confirmed.
- 2. The City Council will sit as the Board of Equalization on December 13, 2016 to determine benefits and set assessments for both Sanitary Sewer District No. 528 and 530T.

- - -

Adopted by the City Council of the City of Grand Island, Nebraska, November 8, 2016.

	Jeremy L. Jensen, Mayor	
Attest:		
RaNae Edwards, City Clerk		

Approved as to Form ¤ ______ November 4, 2016 ¤ City Attorney