



BID TABULATION

Client: Town of Johnstown

19000966.01

Project: **CENTRAL SEWER EXPANSION - PHASE 1**
(Sta 00+00 to 86+25)

01/11/21

No.	Item	Quantity	Unit	Connell Resources		Canterbury Construction		Notes	% Difference Connell to Cant.
				Unit Price	Ext	Unit Price	Ext		
91	Lift Station - Class 1 Structure Fill	890	C.Y.	\$ 56.60	\$ 50,374.00	\$ 106.24	\$ 94,553.60	Wet Well/Emergency Well	53.3%
92	Lift Station - Class 2 Structure Backfill	255	C.Y.	\$ 20.10	\$ 5,125.50	\$ -	\$ -	Valve Vault	
93	Lift Station - Generator Enclosure Underslab	720	S.F.	\$ 2.00	\$ 1,440.00	\$ -	\$ -		
94	Lift Station - Generator Enclosure Footing Excavation	166	L.F.	\$ 20.50	\$ 3,403.00	\$ -	\$ -	3-foot Deep	
95	Lift Station - Generator Enclosure Structure Backfill	166	L.F.	\$ 30.70	\$ 5,096.20	\$ -	\$ -		
96	Lift Station - 6-Inch Thick Aggregate Base Class 5 Gravel w/ Barrier	700	S.Y.	\$ 17.50	\$ 12,250.00	\$ 18.00	\$ 12,600.85		97.2%
97	Lift Station - Chain Link Fence w/ 16' and 12' Gates	370	L.F.	\$ 48.20	\$ 17,834.00	\$ 48.26	\$ 17,857.85		99.9%
98	Lift Station - Landscaping (Allowance)	1	L.S.	\$ 34,600.00	\$ 34,600.00	\$ 34,646.28	\$ 34,646.28		99.9%
99	Lift Station - Dewatering	16	WK.	\$ 2,250.00	\$ 36,000.00	\$ 3,196.48	\$ 51,143.68		70.4%
100	Lift Station - Bollard	7	EA.	\$ 385.00	\$ 2,695.00	\$ 604.39	\$ 4,230.70		103.8%
101	Lift Station - Concrete	1	L.S.	\$ 602,600.00	\$ 602,600.00	\$ 580,397.95	\$ 580,397.95		63.7%
102	Lift Station - Masonry	1	L.S.	\$ 66,700.00	\$ 66,700.00	\$ 73,898.21	\$ 73,898.21		90.3%
103	Lift Station - Metals	1	L.S.	\$ 88,300.00	\$ 88,300.00	\$ 95,649.14	\$ 95,649.14		92.3%
104	Lift Station - Wood and Plastics	1	L.S.	\$ 86,900.00	\$ 86,900.00	\$ 22,494.67	\$ 22,494.67		386.3%
105	Lift station - Thermal & Moist Protection	1	L.S.	\$ 21,500.00	\$ 21,500.00	\$ 22,393.05	\$ 22,393.05		96.0%
106	Lift Station - Doors & Windows	1	L.S.	\$ 29,600.00	\$ 29,600.00	\$ 19,123.59	\$ 19,123.59		154.8%
107	Lift Station - Finishes	1	L.S.	\$ 292,900.00	\$ 292,900.00	\$ 273,244.82	\$ 273,244.82		107.2%
108	Lift Station - Equipment	1	L.S.	\$ 509,200.00	\$ 509,200.00	\$ 480,284.06	\$ 480,284.06		106.0%
109	Lift Station - Mechanical	1	L.S.	\$ 450,600.00	\$ 450,600.00	\$ 383,460.41	\$ 383,460.41		117.5%
110	Lift Station - Electrical	1	L.S.	\$ 1,100,400.00	\$ 1,100,400.00	\$ 1,038,976.11	\$ 1,038,976.11		105.9%
111	Lift Station - Electrical/Plumbing/Mechanical Contingency	1	L.S.	\$ 11,000.00	\$ 11,000.00	\$ 10,938.99	\$ 10,938.99		100.6%
112	Construction Traffic Control - CR 46.5 Mobilization	1	L.S.	\$ 1,040.00	\$ 1,040.00	\$ 1,039.39	\$ 1,039.39		100.1%
113	Construction Traffic Control - CR 46.5 MHT Plans	3	EA.	\$ 57.70	\$ 173.10	\$ 57.74	\$ 173.23		99.9%
114	Construction Traffic Control - CR 46.5 Traffic Control Supervisor	5	DAY	\$ 577.00	\$ 2,885.00	\$ 115.49	\$ 577.44		499.6%
115	Construction Traffic Control - CR 46.5 Inspections	60	DAY	\$ 92.30	\$ 5,538.00	\$ 92.39	\$ 5,543.40		99.9%
116	Construction Traffic Control - CR 46.5 Road Closure Equipment	60	DAY	\$ 98.00	\$ 5,880.00	\$ 98.16	\$ 5,889.87		99.8%
117	Construction Traffic Control - CR 46.5 Shoulder Closure Equipment	20	DAY	\$ 36.90	\$ 738.00	\$ 36.96	\$ 739.12		99.8%
118	Construction Traffic Control - CR 46.5 Flagging	160	HR.	\$ 31.10	\$ 4,976.00	\$ 31.18	\$ 4,989.06		99.7%
119	Railroad Flagging (Allowance)	200	HR.	\$ 144.00	\$ 28,800.00	\$ 184.78	\$ 36,956.03		77.9%
120	Potholing (Allowance)	200	HR.	\$ 238.00	\$ 47,600.00	\$ 346.46	\$ 69,292.56		68.7%
121	Mobilization/Site Management	1	L.S.	\$ 147,500.00	\$ 147,500.00	\$ 262,081.79	\$ 262,081.79		56.3%
122	Construction Surveying	1	L.S.	\$ 26,000.00	\$ 26,000.00	\$ 27,003.31	\$ 27,003.31		96.3%
123	Performance and Payment Bonds	1	L.S.	\$ 50,100.00	\$ 50,100.00	\$ 85,433.41	\$ 85,433.41		58.6%
	TOTAL-SCHEDULE B				\$ 7,779,526.30		\$ 8,079,150.75		96.3%
	C. SUPP 1 - Waterline Extension								
124	8-Inch PVC Waterline (DR 14)	5,376	L.F.	\$ 59.80	\$ 321,484.80	\$ 67.06	\$ 360,514.56		89.2%
125	8-Inch Gate Valve	6	EA.	\$ 2,170.00	\$ 13,020.00	\$ 2,340.36	\$ 14,042.14	w/ Offset Marker	92.7%
126	8-Inch Plug	1	EA.	\$ 416.00	\$ 416.00	\$ 263.31	\$ 263.31		158.0%
127	Fire Hydrant Assembly	1	EA.	\$ 9,550.00	\$ 9,550.00	\$ 10,173.80	\$ 10,173.80	w/ Bollards	93.9%
128	6-Inch Tee	1	EA.	\$ 727.00	\$ 727.00	\$ 348.77	\$ 348.77		208.4%
129	8" x 6" Reducer	1	EA.	\$ 639.00	\$ 639.00	\$ 424.99	\$ 424.99		150.4%
130	Connect to Existing 6-Inch Waterline	1	EA.	\$ 498.00	\$ 498.00	\$ 424.99	\$ 424.99		117.2%
131	8-Inch 90-Degree Bend w/ Thrustblock	2	EA.	\$ 4,170.00	\$ 8,340.00	\$ 538.17	\$ 1,076.34		774.8%
132	8-Inch 45-Degree Bend w/ Thrustblock	9	EA.	\$ 605.00	\$ 5,445.00	\$ 506.09	\$ 4,554.83		119.5%
133	8-Inch 22.5-Degree Bend w/ Thrustblock	1	EA.	\$ 624.00	\$ 624.00	\$ 535.86	\$ 535.86		116.4%
134	8-Inch 11.25-Degree Bend w/ Thrustblock	4	EA.	\$ 593.00	\$ 2,372.00	\$ 505.26	\$ 2,021.03		117.4%
135	8-Inch Back Flow back Check	0	EA.	\$ 20,200.00	\$ -	\$ 16,843.87	\$ -	w/ Vault	
136	18-Inch Steel Casing Bore (SH 60 & RR)	118	L.F.	\$ 1,140.00	\$ 134,520.00	\$ 1,108.90	\$ 130,850.20		102.8%
137	Construction Traffic Control	1	L.S.	\$ 1,730.00	\$ 1,730.00	\$ 1,732.31	\$ 1,732.31		99.9%
138	Railroad Flagging (Allowance)	300	HR.	\$ 144.00	\$ 43,200.00	\$ 144.36	\$ 43,308.00		99.8%
139	Potholing	150	HR.	\$ 127.00	\$ 19,050.00	\$ 346.46	\$ 51,969.00		36.7%
140	Mobilization/Site Management	1	L.S.	\$ 49,900.00	\$ 49,900.00	\$ 77,711.61	\$ 77,711.61		64.2%
141	Construction Surveying	1	L.S.	\$ 9,800.00	\$ 9,800.00	\$ 10,125.95	\$ 10,125.95		96.8%
142	Performance and Payment Bonds	1	L.S.	\$ 4,870.00	\$ 4,870.00	\$ 9,297.97	\$ 9,297.97		52.4%
	TOTAL - SCHEDULE C				\$ 626,185.80		\$ 719,375.68		87.0%
	D. SUPP 2 - Testing & Replacing Existing 12-Inch Force Main								
143	Testing Ex 12-Inch Force Main	2,150	L.F.	\$ 2.10	\$ 4,515.00	\$ 2.41	\$ 5,183.08		87.1%
144	Remove Existing 12-Inch Force Main	2,060	L.F.	\$ 10.30	\$ 21,218.00	\$ 146.32	\$ 301,424.95	Allowance	
145	Replace Existing 12-Inch Force Main	2,060	L.F.	\$ 126.00	\$ 259,560.00	\$ -	\$ -	Allowance	
146	12-Inch 11.25-Degree Bend	2	EA.	\$ 1,610.00	\$ 3,220.00	\$ 1,602.97	\$ 3,205.94	Epoxy Lined	CCMS combined 144 & 145
147	12-Inch 45-Degree Bend	7	EA.	\$ 1,670.00	\$ 11,690.00	\$ 1,669.79	\$ 11,688.50	Epoxy Lined	100.0%
148	12-Inch Force Main -12" Connections to Existing RR Casing Force Main	2	EA.	\$ 2,850.00	\$ 5,700.00	\$ 1,867.43	\$ 3,734.87	w/ Solid Sleeves	152.6%
149	Remove/Replace Existing 12-Inch Force Main in 24-Inch Casing	90	L.F.	\$ 180.00	\$ 16,200.00	\$ 184.78	\$ 16,630.21	RR Spur Crossing	97.4%
150	Potholing	16	HR.	\$ 238.00	\$ 3,808.00	\$ 346.46	\$ 5,543.40		68.7%
151	Mobilization	1	L.S.	\$ 25,800.00	\$ 25,800.00	\$ 43,475.31	\$ 43,475.31		59.3%
152	Construction Surveying	1	L.S.	\$ 3,790.00	\$ 3,790.00	\$ 3,915.03	\$ 3,915.03		96.8%
153	Performance and Payment Bonds	1	L.S.	\$ 2,090.00	\$ 2,090.00	\$ 4,658.66	\$ 4,658.66		44.9%
	TOTAL - SCHEDULE D				\$ 357,591.00		\$ 399,459.95		89.5%
	E. SUPP 3 - Demolish/Decommissioning of Existing JF Lift Station								
154	Remove Fence	140	L.F.	\$ 9.50	\$ 1,330.00	\$ 8.60	\$ 1,204.54		110.4%
155	Remove Pump Housing	1	L.S.	\$ 10,900.00	\$ 10,900.00	\$ 9,428.41	\$ 9,428.41		115.6%
156	Remove 8-Inch Concrete Slab	425	S.F.	\$ 3.70	\$ 1,572.50	\$ 5.77	\$ 2,454.11		64.1%
157	Clean Wetwell/Backfill w/ Gravel	45	C.Y.	\$ 106.00	\$ 4,770.00	\$ 128.35	\$ 5,775.53		82.6%
158	Xcel Energy Service Remove Fees <i>P & P Bonds</i>	1	L.S.	\$ 1,150.00	\$ 1,150.00	\$ 2,309.75	\$ 2,309.75		49.8%
	TOTAL - SCHEDULE E				\$ 19,722.50		\$ 21,297.26		92.6%
	F. Project Contingency								
159	Project Contingency (3%)	1	D.L.R.	\$ 10,361,521.40	\$ 310,845.64	\$ 10,498,369.53	\$ 314,951.09		98.7%
	TOTAL - BID PRICE - Including Water Main				\$ 10,672,367.04		\$ 10,813,320.61		98.7%
	TOTAL - BID PRICE - Sanitary System Only (No Water)				\$ 10,046,181.24		\$ 10,093,944.93		99.5%

Central Phase One - No Water, Reuse Ex. 12" FM

\$ 9,693,105.24



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No.	Item	Quantity	Unit	Connell Resources		Canterbury Construction		Notes
				Unit Price	Ext	Unit Price	Ext	

% Difference
Connell to Cant.

VE Discussion Ideas & Thoughts - Lift Station/Force Main

Increase Decrease

1. Increase wet well, etc. walls to 16" thick, full height.	\$25,000						
2. Xypex Bio-San C-500 additive to both seal and provide H2S protection - eliminate separate interior coating & exterior bitumastic type coating.				\$93,800			
3. Raise pipes in pipe gallery 1'+/-, go over 72" storm vs. under				??			
4. Revisions at 46 1/2 if we go with CR 46 Option for Phase II				\$30,000			
5. Move Odor Control to outside, reduce bldg size, move emergency storage vault access to exterior (small room hazard rating reduced)				???			
6. Eliminate 4 of 6 force main cross-overs (1/21/21)				\$170,100			
7. Eliminate Zinc Caps on fusible PVC MJ Fittings (force mains)				\$15,000			
Approx. Sub-totals	\$25,000			\$308,900			+ ??? #5 & #8
8. Change from Hobas Gravity Sewer Pipe to SDR35 PVC Pipe				\$74,498			
Potential Totals	\$25,000			\$383,398			+ ??? #5 & #8

CONTINGENCY Funds (Actual & Potential)

		Approx %	TOTAL COST +/-
1. Item F (#159) - Project Contingency	\$310,846	3.20%	\$ 9,735,335.60
2. #111 - Lift Station Contingency - Electrical/Mech/ etc.	\$11,000	0.11%	
3. Above VE Change Potential Savings	\$283,900	2.92%	
4. #14 - Reduced Dewatering - gravity (in road, shallower, shorter)	\$60,000	0.62%	
Total Funds for Potential Contingency	\$665,746	6.85%	\$ 9,380,435.60
6. Item D - Possible reduction if total new 12" force main not required.	\$300,000	3.09%	
Total Funds for Potential Contingency	\$965,746	9.93%	\$ 9,080,435.60
7. If include change from Hobas to PVC Gravity Sewer	\$74,498	0.77%	
Total Funds for Potential Contingency	\$1,040,244	10.70%	\$ 9,005,937.60