

RESOLUTION #2020 – 26

**RESOLUTION OF THE MANTUA TOWNSHIP
MUNICIPAL UTILITIES AUTHORITY
AWARDING NEGOTIATED CONTRACT
FOR BARNSBORO SANITARY SEWER EXTENSION PURSUANT TO
N.J.S.A. 40A:11-5(3)**

WHEREAS, the Mantua Township Municipal Utilities Authority (“MTMUA”), has its principal place of business at 397 Main Street, Mantua, New Jersey 08051; and

WHEREAS, the purpose of the MTMUA is the provisioning of water and sewer services to the residents of Mantua Township; and

WHEREAS, on October 24, 2019 the MTMUA publically opened bids for the construction of a gravity collection system, duplex pumping station, and force main to serve existing properties along Barnsboro Road (County Route 609) and Breakneck Road (County Route 603) (the “Project”), however, bids were rejected on November 19, 2019 pursuant to N.J.S.A. 40A:13.2(a), as the lowest bid substantially exceeded the Engineer’s cost estimate; and

WHEREAS, due to nature of the work being performed, the Project was divided into three (3) Contracts (A, B-1, and B-2), two (2) of which were to be awarded (A with B-1 or A with B-2); and

WHEREAS, on March 25, 2020 the MTMUA publically opened bids for the Project, which bids were rejected on March 31, 2020, as the lowest bids substantially exceeded the Engineer’s cost estimate; and

WHEREAS, on Friday, June 26, 2020, the MTMUA again opened bids for the Project, which bids were then rejected on June 30, 2020 as the lowest bids substantially exceeded the Engineer’s cost estimate as per Resolution #2020-24; and

WHEREAS, consistent with N.J.S.A. 40A:11-5(3), because the MTMUA rejected bids on at least two occasions because it determined that the bids were not reasonable as to price on the basis of the Project’s cost projections and

allocated funds, the MTMUA further authorized direct negotiation with interested bidders for a Contract or Contracts which could be awarded upon adoption of a resolution by a two-thirds affirmative vote of the Commissioners; and

WHEREAS, MTMUA project engineer David S. Palgutta, PE, CME determined that due to the nature of the Project, equivalent services are not available from any agency or authority of the United States, the State of New Jersey, Gloucester County, or any municipality in close proximity to Mantua Township; and

WHEREAS, by letter dated June 30, 2020 MTMUA project engineer David S. Palgutta, PE, CME provided notice to all bidders who submitted a bid on June 26, 2020 of the opportunity to negotiate with the MTMUA, a copy of which notice is attached hereto as Exhibit "A"; and

WHEREAS, negotiated proposals were received by the MTMUA from the interested bidders on or before July 10, 2020 as follows, and as fully described in the attached Exhibit "B":

- Perna Finnigan, Inc. of Vineland, New Jersey submitted a proposal for Contract A with a price of \$580,399.75, and Contract B-1 with a price of \$869,582.25; and
- PACT One, LLC, of Ringoes, New Jersey submitted a proposal for Contract B-2 with a price of \$936,750.00; and

WHEREAS, the proposals were reviewed by MTMUA project engineer David S. Palgutta, PE, CME who wrote a July 17, 2020 Bid Proposal Review Summary Memorandum in which he summarized the value engineering suggestions and adjustments to the Project specifications that were included in the negotiated proposals for Contract A and B-1, and opined that the specifications set forth in the negotiated proposals were not substantially different from those that were part of the original bid; and

WHEREAS, the July 17, 2020 Bid Proposal Review Summary Memorandum, which sets forth all amendments or modifications to the terms, conditions, restrictions, and specifications, which were the subject of competitive bidding, is attached hereto as Exhibit "C"; and

WHEREAS, the overall price for Contracts A and B-1 submitted by Perna Finnigan, Inc. was \$1,449,982; and

WHEREAS, this amount is lower than the lowest rejected bid price submitted on June 26, 2020, is the lowest negotiated price offered by a responsible bidder, and is a reasonable price for the Project; and

WHEREAS, it is the intent of the MTMUA to award Contracts A and B-1 to Perna Finnigan, Inc., as the lowest responsible bidder.

NOW, THEREFORE, BE IT RESOLVED by the Mantua Township Municipal Utilities Authority that Contract A and Contract B-1 for the construction of a gravity collection system, duplex pumping station, and force main to serve existing properties along Barnsboro Road and Breakneck Road are hereby awarded to Perna Finnigan, Inc. as the lowest responsible bidder, subject to acceptance and approval by NJDEP; and

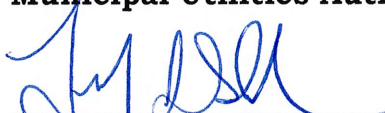
BE IT FURTHER RESOLVED that the Mantua Township Municipal Utilities Authority is authorized to execute all necessary Contract documents, subject to solicitor approval of same.

THIS RESOLUTION shall take effect immediately.

DULY ADOPTED, at the regular meeting of the Mantua Township Municipal Utilities Authority held on July 21, 2020.

**The Mantua Township
Municipal Utilities Authority**

By:



Timothy Sheehan, Chairman

ATTEST:



John Parks, Secretary

	Aye	Nay	Abstain	Absent
Timothy Sheehan, Chairman	✓			
Mario Dilisciandro, Vice Chairman	✓			
Daniel Hauss, Treasurer	✓			
John Parks, Secretary	✓			
Vincent Voltaggio, Engineering Coordinator	✓			
Howard Bruner, Alternate No. 1				

4832-3806-9187, v. 2

June 30, 2020

Pact One, LLC
P.O. Box 74
Ringoos, NJ 08551

Attn: Theresa Clother
Bidding Coordinator

**Reference: Intent to Negotiate Bids for
Barnsboro Sanitary Sewer Extension
Mantua Township Municipal Utilities Authority
Township of Mantua, Gloucester County, New Jersey
NJIB Project No. S340514-02
S&A File Number M-119A**

Dear Ms. Clother:

On Friday, June 26, 2020, at 11:00 A.M., sealed bids for the above referenced project were received and opened at the Mantua Township Municipal Utilities Authority (MUA) Building by Olivier Peña of Sickels & Associates, Inc.

The intent of this project is the construction of a gravity collection system, duplex pumping station, and force main to serve existing properties along Barnsboro Road (County Route 609) and Breakneck Road (County Route 603). The proposed pump station will be located on Block 276.01, Lot 7. Due to the nature of the work being performed, the project was divided into two (2) Contracts (Contract A and Contract B-1 or B-2), with each contract being awarded separately.

The bids offered were reviewed by our office. During our preparation of the bid summary spreadsheet, we noted mathematical errors and made the appropriate corrections. This resulted in the bid summary table below, with the corrected values being shown. The corrected bid amounts (see below) have been indicated in **red bold text** and do not reflect the amounts read at the bid opening.

Bidders	Contract A	Contract B-1	Contract B-2
Perna Finnigan, Inc.	\$629,904.00	\$1,057,674.75	\$1,008,077.00
PACT One, LLC	No Bid	\$1,002,500.00	\$960,950.00
PACT Two, LLC	\$894,650.00	No Bid	No Bid

On Tuesday, June 30, 2020, the Mantua Township MUA (MTMUA) held their regular open meeting at the Township building. The bids were reviewed and a resolution adopted to reject the bids. Based on the bids submitted and associated discussions, the Authority has decided to negotiate with the bidders of each contract in accordance with NJSA 40A:11-5, as this project has been bid twice and rejected both times.

Reference: Intent to Negotiate Bids for
Barnsboro Sanitary Sewer Extension
Mantua Township Municipal Utilities Authority
Township of Mantua, Gloucester County, New Jersey
NJIB Project No. S340514-02

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June 30, 2020

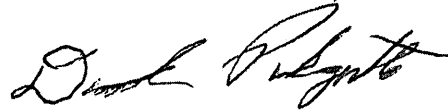
The intent of this letter is to notify your office of the Authority's intent to negotiate Contract A, Contract B1 and Contract B2 with the further desire to award Contract A and either Contract B1 or B2. It should be noted that the governing body will not award any contracts unless the negotiated price is lower than the lowest rejected bid price submitted for each contract.

Upon review of this letter and the bid prices submitted, if your company would like to further discuss the project and enter into the negotiation process, please contact our office at the email below.

If you have any questions regarding the above matter, please feel free to contact our office at (856) 848-6800 or dpalgutta@sickelsassoc.com. We will be pleased to discuss the matter with you at your convenience.

Very truly yours,

SICKELS & ASSOCIATES, INC.



David S. Palgutta, PE, CME
Senior Project Engineer

Copy To: Bill Krebs, Executive Director, (Via Email Only)
Susan Novick, Accounts Payable Administrator, (Via Email Only)
John Alice, Esquire, MTMUA Solicitor, (Via Email & Standard Mail)
File,
Fax: Pact One. 908-788-5780

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SICKELS & ASSOCIATES, INC. - NEGOTIATED COSTS

Barnsboro Sanitary Sewer Extension

Mantua Township MUA

Township of Mantua, Gloucester County, New Jersey

S&A File No. M-119A

July 10, 2020

				Perna Finnigan, Inc. Vineland, New Jersey			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT MEAS.	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
Contract A - Pump Station							
1	Soil Erosion & Sediment Control Measures	1	LS	\$ 1,062.40	\$ 1,062.40		\$ -
2	Site Clearing	1	LS	\$ 14,847.50	\$ 14,847.50		\$ -
3	Mobilization	1	LS	\$ 12,210.00	\$ 12,210.00		\$ -
4	Furnish & Install Precast Wet Well & Valve Vault	1	LS	\$ 296,700.00	\$ 296,700.00		\$ -
5	Utilize Compaction Grouting For Completing Ground Improvements & Meeting Load Bearing Requirements Of The Pumping Station Area In Accordance w/ The Performance Criteria Indicated Within The Contract Documents	1	LS	\$ 15,750.00	\$ 15,750.00		\$ -
6	Furnish & Install Mechanical & Piping Improvements w/ Related Accessories Required Within Pump Station	1	LS	\$ 7,805.00	\$ 7,805.00		\$ -
7	Furnish & Install Electrical Power & Control Improvements Required For The Complete Operation Of The Pump Station	1	LS	\$ 62,800.00	\$ 62,800.00		\$ -
8	8" Cement Lined Ductile Iron Pipe (CLDIP)	20	LF	\$ 200.00	\$ 4,000.00		\$ -
9	Sanitary Sewer Manhole	1	UNIT	\$ 12,450.00	\$ 12,450.00		\$ -
10	Furnish Portable Generator	1	LS	\$ 46,900.00	\$ 46,900.00		\$ -
11	8' High Chain Link Fence w/ Privacy Slats	180	LF	\$ 40.00	\$ 7,200.00		\$ -
12	12' Wide Double Swing Gate	2	UNIT	\$ 1,500.00	\$ 3,000.00		\$ -
13	6" Steel Bollard	3	UNIT	\$ 700.00	\$ 2,100.00		\$ -
14	1" K Copper Water Service w/ Curb Stop & Box	295	LF	\$ 29.00	\$ 8,555.00		\$ -
15	2" High Density Polyethylene (HDPE) Force Main	40	LF	\$ 85.00	\$ 3,400.00		\$ -
16	Back Flow Preventer (RPZ) w/ Hot Box Enclosure	1	LS	\$ 3,750.00	\$ 3,750.00		\$ -
17	Yard Hydrant Assembly w/ Valve	1	UNIT	\$ 2,250.00	\$ 2,250.00		\$ -
18	Electric Service From Utility Pole To Onsite Electrical Support Structure	1	LS	\$ 19,276.00	\$ 19,276.00		\$ -
19	150 Watt Light Fixture - 15' High Light Pole w/ Foundation & Related Components	1	UNIT	\$ 3,850.00	\$ 3,850.00		\$ -
20	Site Grading, Environmental/Earthen Restoration	1	LS	\$ 7,250.00	\$ 7,250.00		\$ -
21	8" Thick, Crushed Stone Driveway (Pump Station Access)	425	SY	\$ 27.50	\$ 11,687.50		\$ -
22	4" Thick, DGA (Pump Station Equipment Area)	135	SY	\$ 25.00	\$ 3,375.00		\$ -
23	Concrete Vertical Curb (If & Where Directed)	20	LF	\$ 0.01	\$ 0.20		\$ -
24	Furnish & Plant Tree (Pine)	5	UNIT	\$ 450.00	\$ 2,250.00		\$ -
25	Furnish & Plant Tree (Spruce)	5	UNIT	\$ 450.00	\$ 2,250.00		\$ -
26	Hot Mix Asphalt Repair (County Roadway Requirements) (If & Where Directed)	30	SY	\$ 0.01	\$ 0.30		\$ -
27	Excavation, Test Pit (If & Where Directed)	85	CY	\$ 0.01	\$ 0.85		\$ -
28	Pipe Bedding (If & Where Directed) (Minimum Bid \$2.00 Per Cubic Yard)	265	CY	\$ 2.00	\$ 530.00		\$ -
29	Select Material (If & Where Directed) (Minimum Bid \$2.00 Per Cubic Yard)	75	CY	\$ 2.00	\$ 150.00		\$ -
30	Owner's Project Allowance (If & Where Directed)	1	LS	\$ 25,000.00	\$ 25,000.00		\$ -
CONTRACT A - PUMP STATION SUBTOTAL AMOUNT					\$ 580,399.75		\$ -
Contract B-1 - Collection System/Road Restoration							
1	Soil Erosion & Sediment Control Measures	1	LS	\$ 5,900.00	\$ 5,900.00		\$ -
2	Site Clearing/Grubbing/Tree Removal	1	LS	\$ 33,000.00	\$ 33,000.00		\$ -
3	Mobilization	1	LS	\$ 15,000.00	\$ 15,000.00		\$ -
4	Owner's Project Allowance (If & Where Directed)	1	LS	\$ 25,000.00	\$ 25,000.00		\$ -
Sanitary Sewer Collection System							
5	Sanitary Sewer Manhole	7	UNIT	\$ 12,500.00	\$ 87,500.00		\$ -
6	Sanitary Sewer Drop Manhole	3	UNIT	\$ 12,500.00	\$ 37,500.00		\$ -
7	Force Main Air Relief Manhole	0	UNIT	\$ 12,000.00	\$ -		\$ -

SICKELS & ASSOCIATES, INC. - NEGOTIATED COSTS

Barnsboro Sanitary Sewer Extension

Mantua Township MUA

Township of Mantua, Gloucester County, New Jersey

S&A File No. M-119A

July 10, 2020

**Perna Finnigan, Inc.
Vineland, New Jersey**

ITEM NO.	DESCRIPTION	QUANTITY	UNIT MEAS.	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
Contract B-1 - Collection System/Road Restoration (Continued)							
8	8" Polyvinyl Chloride (PVC) Gravity Main (Open Cut)	1,630	LF	\$ 164.00	\$ 267,320.00		\$ -
9	8" High Density Polyethylene (HDPE) Or Polyvinyl Chloride (PVC) Gravity Main (Directional Drilling)	458	LF	\$ 318.50	\$ 145,873.00		\$ -
10	4" Sanitary Sewer Lateral - Long Side, w/ Clean-Out (w/ CC Box) (Directional Drilled)	6	UNIT	\$ 6,100.00	\$ 36,600.00		\$ -
11	4" Sanitary Sewer Lateral w/ Clean-Out (w/ CC Box) (Open Cut)	15	UNIT	\$ 6,100.00	\$ 91,500.00		\$ -
12	1" K Copper Water Service w/ Curb Stop	20	LF	\$ 5.00	\$ 100.00		\$ -
13	2" High Density Polyethylene (HDPE) Force Main w/ Valve (Directional Drilling)	1,150	LF	\$ 46.00	\$ 52,900.00		\$ -
14	Installation Of Two (2) Combination Cleanout/Check Valves (Located @ Corner Of Breakneck Road & Main Street)	2	UNIT	\$ 75.00	\$ 150.00		\$ -
15	Pipe Bedding (If & Where Directed) (Minimum Bid \$2.00 Per Cubic Yard)	100	CY	\$ 2.00	\$ 200.00		\$ -
16	Select Material (If & Where Directed) (Minimum Bid \$2.00 Per Cubic Yard)	475	CY	\$ 2.00	\$ 950.00		\$ -
17	Excavation, Test Pit (If & Where Directed)	110	CY	\$ 5.00	\$ 550.00		\$ -
Roadway & Site Restoration							
18	Hot Mix Asphalt Milling, 3" Or Less	650	SY	\$ 15.00	\$ 9,750.00		\$ -
19	Hot Mix Asphalt, Surface Course, 9.5M64, 2" Thick	650	SY	\$ 20.00	\$ 13,000.00		\$ -
20	Concrete Vertical Curb (If & Where Directed)	30	LF	\$ 15.00	\$ 450.00		\$ -
21	Concrete Driveway, 6" Thick	25	SY	\$ 15.00	\$ 375.00		\$ -
22	Bituminous Curb	70	LF	\$ 40.00	\$ 2,800.00		\$ -
23	Traffic Stripes, 4"	200	LF	\$ 2.00	\$ 400.00		\$ -
24	Traffic Markings	175	SF	\$ 0.01	\$ 1.75		\$ -
25	Preparation Of Existing Soil	325	SY	\$ 2.00	\$ 650.00		\$ -
26	Topsoil, 4" Thick	325	SY	\$ 10.00	\$ 3,250.00		\$ -
27	Hydro-Seeding	325	SY	\$ 1.50	\$ 487.50		\$ -
28	Uniformed Officer's, Traffic Direction (If & Where Directed) (Owner's Allowance)	250	HR	\$ 83.00	\$ 20,750.00		\$ -
29	Maintenance & Protection Of Traffic (During Roadway Construction & Sanitary Sewer Construction)	1	LS	\$ 17,625.00	\$ 17,625.00		\$ -
CONTRACT B-1 - COLLECTION SYSTEM/ROAD RESTORATION SUBTOTAL AMOUNT					\$ 869,582.25		\$ -
Contract B-2 - Collection System/Road Restoration							
1	Soil Erosion & Sediment Control Measures	1	LS		\$ -		\$ -
2	Site Clearing/Grubbing/Tree Removal	1	LS		\$ -		\$ -
3	Mobilization	1	LS		\$ -		\$ -
4	Owner's Project Allowance (If & Where Directed)	1	LS		\$ -		\$ -
Sanitary Sewer Collection System							
5	Sanitary Sewer Manhole	7	UNIT		\$ -		\$ -
6	Sanitary Sewer Drop Manhole	3	UNIT		\$ -		\$ -
7	Force Main Air Relief Manhole	1	UNIT		\$ -		\$ -
8	8" Polyvinyl Chloride (PVC) Gravity Main (Open Cut)	2,200	LF		\$ -		\$ -
9	4" Sanitary Sewer Lateral - Long Side, w/ Clean-Out (w/ CC Box) (Open Cut)	6	UNIT		\$ -		\$ -
10	4" Sanitary Sewer Lateral w/ Clean-Out (w/ CC Box) (Open Cut)	15	UNIT		\$ -		\$ -
11	1" K Copper Water Service w/ Curb Stop	20	LF		\$ -		\$ -
12	2" High Density Polyethylene (HDPE) Force Main w/ Valve	1,225	LF		\$ -		\$ -
13	Installation Of Two (2) Combination Cleanout/Check Valves (Located @ Corner Of Breakneck Road & Main Street)	2	UNIT		\$ -		\$ -

SICKELS & ASSOCIATES, INC. - NEGOTIATED COSTS

Barnsboro Sanitary Sewer Extension
 Mantua Township MUA
 Township of Mantua, Gloucester County, New Jersey
 S&A File No. M-119A
 July 10, 2020

Perna Finnigan, Inc.
 Vineland, New Jersey

ITEM NO.	DESCRIPTION	QUANTITY	UNIT MEAS.	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
Sanitary Sewer Collection System (Continued)							
14	Pipe Bedding (If & Where Directed) (Minimum Bid \$2.00 Per Cubic Yard)	635	CY		\$ -		\$ -
15	Select Material (If & Where Directed) (Minimum Bid \$2.00 Per Cubic Yard)	2,215	CY		\$ -		\$ -
16	Excavation, Test Pit (If & Where Directed)	150	CY		\$ -		\$ -
Roadway & Site Restoration							
17	Hot Mix Asphalt Milling, 3" Or Less	2,415	SY		\$ -		\$ -
18	Hot Mix Asphalt, Surface Course, 9.5M64, 2" Thick	2,415	SY		\$ -		\$ -
19	Hot Mix Asphalt Driveway, 2" Thick	140	SY		\$ -		\$ -
20	Concrete Vertical Curb	110	LF		\$ -		\$ -
21	Concrete Driveway, 6" Thick	25	SY		\$ -		\$ -
22	Bituminous Curb	185	LF		\$ -		\$ -
23	Traffic Stripes, 4"	2,970	LF		\$ -		\$ -
24	Traffic Markings	625	SF		\$ -		\$ -
25	Curb Piece	1	UNIT		\$ -		\$ -
26	Bicycle Safe Grate	1	UNIT		\$ -		\$ -
27	RPM, Bi-Directional (Color To Be Field Determined)	20	UNIT		\$ -		\$ -
28	Evergreen (Tree)	4	UNIT		\$ -		\$ -
29	Preparation Of Existing Soil	1,165	SY		\$ -		\$ -
30	Topsoil, 4" Thick	1,265	SY		\$ -		\$ -
31	Hydro-Seeding	1,265	SY		\$ -		\$ -
32	Rip-Rap w/ Filter Fabric	10	SY		\$ -		\$ -
33	Uniformed Officer's, Traffic Direction (If & Where Directed) (Owner's Allowance)	400	HR		\$ -		\$ -
34	Maintenance & Protection Of Traffic (During Roadway Construction & Sanitary Sewer Construction)	1	LS		\$ -		\$ -
CONTRACT B-2 - COLLECTION SYSTEM/ROAD RESTORATION SUBTOTAL AMOUNT					\$ -		\$ -

SICKELS & ASSOCIATES, INC. - NEGOTIATED COSTS

Barnsboro Sanitary Sewer Extension
Mantua Township MUA
Township of Mantua, Gloucester County, New Jersey
S&A File No. M-119A

July 10, 2020

				PACT One, LLC Ringoos, New Jersey			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT MEAS.	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
Contract A - Pump Station							
1	Soil Erosion & Sediment Control Measures	1	LS		\$ -		\$ -
2	Site Clearing	1	LS		\$ -		\$ -
3	Mobilization	1	LS		\$ -		\$ -
4	Furnish & Install Precast Wet Well & Valve Vault Utilize Compaction Grouting For Completing Ground Improvements & Meeting Load Bearing Requirements Of The Pumping Station Area In Accordance w/ The Performance Criteria Indicated Within The Contract Documents	1	LS		\$ -		\$ -
6	Furnish & Install Mechanical & Piping Improvements w/ Related Accessories Required Within Pump Station	1	LS		\$ -		\$ -
7	Furnish & Install Electrical Power & Control Improvements Required For The Complete Operation Of The Pump Station	1	LS		\$ -		\$ -
8	8" Cement Lined Ductile Iron Pipe (CLDIP)	20	LF		\$ -		\$ -
9	Sanitary Sewer Manhole	1	UNIT		\$ -		\$ -
10	Furnish Portable Generator	1	LS		\$ -		\$ -
11	8' High Chain Link Fence w/ Privacy Slats	180	LF		\$ -		\$ -
12	12' Wide Double Swing Gate	2	UNIT		\$ -		\$ -
13	6" Steel Bollard	3	UNIT		\$ -		\$ -
14	1" K Copper Water Service w/ Curb Stop & Box	295	LF		\$ -		\$ -
15	2" High Density Polyethylene (HDPE) Force Main	40	LF		\$ -		\$ -
16	Back Flow Preventer (RPZ) w/ Hot Box Enclosure	1	LS		\$ -		\$ -
17	Yard Hydrant Assembly w/ Valve	1	UNIT		\$ -		\$ -
18	Electric Service From Utility Pole To Onsite Electrical Support Structure	1	LS		\$ -		\$ -
19	150 Watt Light Fixture - 15' High Light Pole w/ Foundation & Related Components	1	UNIT		\$ -		\$ -
20	Site Grading, Environmental/Earthen Restoration	1	LS		\$ -		\$ -
21	8" Thick, Crushed Stone Driveway (Pump Station Access)	425	SY		\$ -		\$ -
22	4" Thick, DGA (Pump Station Equipment Area)	135	SY		\$ -		\$ -
23	Concrete Vertical Curb (If & Where Directed)	20	LF		\$ -		\$ -
24	Furnish & Plant Tree (Pine)	5	UNIT		\$ -		\$ -
25	Furnish & Plant Tree (Spruce)	5	UNIT		\$ -		\$ -
26	Hot Mix Asphalt Repair (County Roadway Requirements) (If & Where Directed)	30	SY		\$ -		\$ -
27	Excavation, Test Pit (If & Where Directed)	85	CY		\$ -		\$ -
28	Pipe Bedding (If & Where Directed) (Minimum Bid \$2.00 Per Cubic Yard)	265	CY		\$ -		\$ -
29	Select Material (If & Where Directed) (Minimum Bid \$2.00 Per Cubic Yard)	75	CY		\$ -		\$ -
30	Owner's Project Allowance (If & Where Directed)	1	LS		\$ -		\$ -
CONTRACT A - PUMP STATION SUBTOTAL AMOUNT					\$ -		\$ -
Contract B-1 - Collection System/Road Restoration							
1	Soil Erosion & Sediment Control Measures	1	LS		\$ -		\$ -
2	Site Clearing/Grubbing/Tree Removal	1	LS		\$ -		\$ -
3	Mobilization	1	LS		\$ -		\$ -
4	Owner's Project Allowance (If & Where Directed)	1	LS		\$ -		\$ -
Sanitary Sewer Collection System							
5	Sanitary Sewer Manhole	7	UNIT		\$ -		\$ -
6	Sanitary Sewer Drop Manhole	3	UNIT		\$ -		\$ -
7	Force Main Air Relief Manhole	1	UNIT		\$ -		\$ -

SICKELS & ASSOCIATES, INC. - NEGOTIATED COSTS

Barnsboro Sanitary Sewer Extension

Mantua Township MUA

Township of Mantua, Gloucester County, New Jersey

S&A File No. M-119A

July 10, 2020

				PACT One, LLC Ringoos, New Jersey			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT MEAS.	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
Contract B-1 - Collection System/Road Restoration (Continued)							
8	8" Polyvinyl Chloride (PVC) Gravity Main (Open Cut)	475	LF		\$ -		\$ -
9	8" High Density Polyethylene (HDPE) Or Polyvinyl Chloride (PVC) Gravity Main (Directional Drilling)	1,750	LF		\$ -		\$ -
10	4" Sanitary Sewer Lateral - Long Side, w/ Clean-Out (w/ CC Box) (Directional Drilled)	6	UNIT		\$ -		\$ -
11	4" Sanitary Sewer Lateral w/ Clean-Out (w/ CC Box) (Open Cut)	15	UNIT		\$ -		\$ -
12	1" K Copper Water Service w/ Curb Stop	20	LF		\$ -		\$ -
13	2" High Density Polyethylene (HDPE) Force Main w/ Valve (Directional Drilling)	1,225	LF		\$ -		\$ -
14	Installation Of Two (2) Combination Cleanout/Check Valves (Located @ Corner Of Breakneck Road & Main Street)	2	UNIT		\$ -		\$ -
15	Pipe Bedding (If & Where Directed) (Minimum Bid \$2.00 Per Cubic Yard)	100	CY		\$ -		\$ -
16	Select Material (If & Where Directed) (Minimum Bid \$2.00 Per Cubic Yard)	475	CY		\$ -		\$ -
17	Excavation, Test Pit (If & Where Directed)	110	CY		\$ -		\$ -
Roadway & Site Restoration							
18	Hot Mix Asphalt Milling, 3" Or Less	1,250	SY		\$ -		\$ -
19	Hot Mix Asphalt, Surface Course, 9.5M64, 2" Thick	1,250	SY		\$ -		\$ -
20	Concrete Vertical Curb (If & Where Directed)	30	LF		\$ -		\$ -
21	Concrete Driveway, 6" Thick	25	SY		\$ -		\$ -
22	Bituminous Curb	70	LF		\$ -		\$ -
23	Traffic Stripes, 4"	200	LF		\$ -		\$ -
24	Traffic Markings	175	SF		\$ -		\$ -
25	Preparation Of Existing Soil	325	SY		\$ -		\$ -
26	Topsoil, 4" Thick	325	SY		\$ -		\$ -
27	Hydro-Seeding	325	SY		\$ -		\$ -
28	Uniformed Officer's, Traffic Direction (If & Where Directed) (Owner's Allowance)	300	HR		\$ -		\$ -
29	Maintenance & Protection Of Traffic (During Roadway Construction & Sanitary Sewer Construction)	1	LS		\$ -		\$ -
CONTRACT B-1 - COLLECTION SYSTEM/ROAD RESTORATION SUBTOTAL AMOUNT					\$ -		\$ -
Contract B-2 - Collection System/Road Restoration							
1	Soil Erosion & Sediment Control Measures	1	LS	\$ 10,000.00	\$ 10,000.00		\$ -
2	Site Clearing/Grubbing/Tree Removal	1	LS	\$ 20,000.00	\$ 20,000.00		\$ -
3	Mobilization	1	LS	\$ 20,000.00	\$ 20,000.00		\$ -
4	Owner's Project Allowance (If & Where Directed)	1	LS	\$ 25,000.00	\$ 25,000.00		\$ -
Sanitary Sewer Collection System							
5	Sanitary Sewer Manhole	7	UNIT	\$ 7,000.00	\$ 49,000.00		\$ -
6	Sanitary Sewer Drop Manhole	3	UNIT	\$ 8,000.00	\$ 24,000.00		\$ -
7	Force Main Air Relief Manhole	1	UNIT	\$ 10,000.00	\$ 10,000.00		\$ -
8	8" Polyvinyl Chloride (PVC) Gravity Main (Open Cut)	2,200	LF	\$ 125.00	\$ 275,000.00		\$ -
9	4" Sanitary Sewer Lateral - Long Side, w/ Clean-Out (w/ CC Box) (Open Cut)	6	UNIT	\$ 3,000.00	\$ 18,000.00		\$ -
10	4" Sanitary Sewer Lateral w/ Clean-Out (w/ CC Box) (Open Cut)	15	UNIT	\$ 2,000.00	\$ 30,000.00		\$ -
11	1" K Copper Water Service w/ Curb Stop	20	LF	\$ 150.00	\$ 3,000.00		\$ -
12	2" High Density Polyethylene (HDPE) Force Main w/ Valve	1,225	LF	\$ 100.00	\$ 122,500.00		\$ -
13	Installation Of Two (2) Combination Cleanout/Check Valves (Located @ Corner Of Breakneck Road & Main Street)	2	UNIT	\$ 3,000.00	\$ 6,000.00		\$ -

SICKELS & ASSOCIATES, INC. - NEGOTIATED COSTS

Barnsboro Sanitary Sewer Extension

Mantua Township MUA

Township of Mantua, Gloucester County, New Jersey

S&A File No. M-119A

July 10, 2020

				PACT One, LLC Ringoes, New Jersey			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT MEAS.	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
Sanitary Sewer Collection System (Continued)							
14	Pipe Bedding (If & Where Directed) (Minimum Bid \$2.00 Per Cubic Yard)	635	CY	\$ 40.00	\$ 25,400.00		\$ -
15	Select Material (If & Where Directed) (Minimum Bid \$2.00 Per Cubic Yard)	2,215	CY	\$ 40.00	\$ 88,600.00		\$ -
16	Excavation, Test Pit (If & Where Directed)	150	CY	\$ 50.00	\$ 7,500.00		\$ -
Roadway & Site Restoration							
17	Hot Mix Asphalt Milling, 3" Or Less	2,415	SY	\$ 10.00	\$ 24,150.00		\$ -
18	Hot Mix Asphalt, Surface Course, 9.5M64, 2" Thick	2,415	SY	\$ 15.00	\$ 36,225.00		\$ -
19	Hot Mix Asphalt Driveway, 2" Thick	140	SY	\$ 20.00	\$ 2,800.00		\$ -
20	Concrete Vertical Curb	110	LF	\$ 60.00	\$ 6,600.00		\$ -
21	Concrete Driveway, 6" Thick	25	SY	\$ 100.00	\$ 2,500.00		\$ -
22	Bituminous Curb	185	LF	\$ 40.00	\$ 7,400.00		\$ -
23	Traffic Stripes, 4"	2,970	LF	\$ 5.00	\$ 14,850.00		\$ -
24	Traffic Markings	625	SF	\$ 10.00	\$ 6,250.00		\$ -
25	Curb Piece	1	UNIT	\$ 1,000.00	\$ 1,000.00		\$ -
26	Bicycle Safe Grate	1	UNIT	\$ 1,000.00	\$ 1,000.00		\$ -
27	RPM, Bi-Directional (Color To Be Field Determined)	20	UNIT	\$ 500.00	\$ 10,000.00		\$ -
28	Evergreen (Tree)	4	UNIT	\$ 1,000.00	\$ 4,000.00		\$ -
29	Preparation Of Existing Soil	1,165	SY	\$ 20.00	\$ 23,300.00		\$ -
30	Topsoil, 4" Thick	1,265	SY	\$ 10.00	\$ 12,650.00		\$ -
31	Hydro-Seeding	1,265	SY	\$ 5.00	\$ 6,325.00		\$ -
32	Rip-Rap w/ Filter Fabric	10	SY	\$ 50.00	\$ 500.00		\$ -
33	Uniformed Officer's, Traffic Direction (If & Where Directed) (Owner's Allowance)	400	HR	\$ 83.00	\$ 33,200.00		\$ -
34	Maintenance & Protection Of Traffic (During Roadway Construction & Sanitary Sewer Construction)	1	LS	\$ 10,000.00	\$ 10,000.00		\$ -
CONTRACT B-2 - COLLECTION SYSTEM/ROAD RESTORATION SUBTOTAL AMOUNT					\$ 936,750.00		\$ -



Respond To: 1921 E. Sherman Ave.
Vineland, NJ 08361
Voice: (856) 691-6158
Fax: (856) 691-0310

July 9,2020

David Palgutta, PE, CME
Sickels & Associates
833 Kings Highway
Woodbury, NJ 08096

**Re: Negotiated bid Proposal for Barnsboro Sanitary Sewer Extension
Mantua Township Municipal Utilities Authority
Township of Mantua, Gloucester County, NJ
NJIP Project No. S340514-02
S&A File Number M119-A**

Mr. Palgutta,

Thank you for the opportunity to be submit a negotiated bid for this project. We have taken an in-depth look and offer a value engineered proposal based on the notes below and the marked-up plans submitted. We can offer significant savings based on this proposal. I will break them down below into sections, Contact A and Contract B-1 combined as one overall contract.

Contract A – Pump Station

1. Item 5 - We propose to eliminate the compaction grouting at the pump station. This has proved to be too costly. We propose piles under the wet well. We have reached out and for both helical and required piles and both can be utilized and engineered according to our research. We are including helical piles for the purpose of this proposal.
2. We have redesigned the slopes to accommodate the open cut method on the deep run and worked with the pump station manufacture to shallow the wet well and gain savings on both the material, dewatering and install costs. This has also realized savings on Mh1. No piles or grouting is included for Mh1 as we have stable soils at the shallower depth.
3. We have removed the auto dialer and concrete pad to be included under owner's allowance.

Contract B1

1. Item 8 & 9. We are proposing adjusting both the open cut and directional drilling quantities to cut down on the milling, paving, police traffic control and other associated costs
2. We have revised the slopes from Mh1 to Mh4 to reflect open cut requirements thus shallowing the run and saving installation costs.

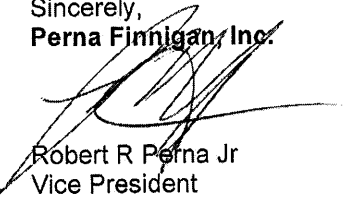
3. We are proposing directional drilling on Breakneck Road to save on milling, paving and striping. We have included the striping on Old Barnsboro Road.
4. Item 8 & 9 - We are proposing insitu soils in all areas other than Breakwater Rd. The soil borings indicate sandy soils and are sufficient for back fill. This needs to be approved for Old Barnsboro road. We have eliminated open cut methods in all other asphalt areas except drilling pits and laterals on Breakwater. We are not in the paved areas anywhere else and should be acceptable even in the deep cuts. Any select or flowable fill will be an extra cost not included at this time except Breakwater Rd.
5. All sewer main, lateral & force main road crossings to be drilled to save costs associated with open cutting these methods
6. Item 5 - Mh11 has been eliminated do to redesign of slope and directional drilling. Please note there are 11 manholes called out to install not 10 as shown and therefore must be taken into account for comparison of bids.
7. Slopes have been redesigned on Old Barnsboro Rd to accommodate both the force main and sewer main together to save on excavation, milling & paving and other potential cost associate with select fill.
8. Item 18 & 19 - We have reduced substantial milling and paving as a result of our proposal.
9. Item 7 - We have eliminated the air release manhole by redesigning the force main to eliminate any low spots and to have a positive upward slope.

In closing, we believe this to be the most cost-effective way to meet the project goals without compromising integrity. We have achieved a substantial savings as a result of our proposal.

Please note these savings are based on one overall contract and cannot be split. Part of the savings is based on having control over all construction and scheduling activities.

We are available to start immediately and materials are available from our supplies as well. We thank you for the opportunity to provide this proposal

Sincerely,
Perna Finnigan, Inc.



Robert R Perna Jr
Vice President

cc: Robert Finnigan, President

CONTRACT "A" (PUMP STATION)

Schedule of Quantities					
Item No.	Description	Unit Meas.	Qty.	Unit Cost	Total Cost
Pump Station					
1	Soil Erosion and Sediment Control Measures	LS	1	\$1,062 ⁴⁰	\$1,062 ⁴⁰
2	Site Clearing	LS	1	\$14,847 ⁵⁰	\$14,847 ⁵⁰
3	Mobilization	LS	1	\$12,210 ⁰⁰	\$12,210 ⁰⁰
4	Furnish & Install Precast Wet Well & Valve Vault	LS	1	\$296,700 ⁰⁰	\$296,700 ⁰⁰
5	Utilize Compaction Grouting For Completing Ground Improvements & Meeting Load Bearing Requirements of the Pumping Station Area, in Accordance w/ the Performance Criteria Indicated Within the Contract Documents	LS	1	\$15,750 ⁰⁰	\$15,750 ⁰⁰
6	Furnish & Install Mechanical & Piping Improvements w/ Related Accessories Required Within the Pump Station	LS	1	\$7,800 ⁰⁰	\$7,800 ⁰⁰
7	Furnish & Install Electrical Power & Control Improvements Required for the Complete Operation of the Pump Station	LS	1	\$62,800 ⁰⁰	\$62,800 ⁰⁰
8	8" Cement Lined Ductile Iron Pipe (CLDIP)	LF	20	\$200 ⁰⁰	\$4,000 ⁰⁰
9	Sanitary Sewer Manhole	UNIT	1	\$12,450 ⁰⁰	\$12,450 ⁰⁰
10	Furnish Portable Generator	LS	1	\$46,900 ⁰⁰	\$46,900 ⁰⁰
11	8 ft. High Chain Link Fence w/ Privacy Slats	LF	180	\$40 ⁰⁰	\$7,200 ⁰⁰
12	12 ft. Wide Double Swing Gate	UNIT	2	\$1,500 ⁰⁰	\$3,000 ⁰⁰
13	6" Steel Bollard	UNIT	3	\$700 ⁰⁰	\$2,100 ⁰⁰
14	1" K Copper Water Service w/ Curb Stop & Box	LF	295	\$29 ⁰⁰	\$8,555 ⁰⁰
15	2" High Density Polyethylene (HDPE) Force Main	LF	40	\$85 ⁰⁰	\$3,400 ⁰⁰
16	Back Flow Preventer (RPZ) w/ Hot Box Enclosure	LS	1	\$3,750 ⁰⁰	\$3,750 ⁰⁰
17	Yard Hydrant Assembly w/ Valve	UNIT	1	\$2,250 ⁰⁰	\$2,250 ⁰⁰
18	Electric Service from Utility Pole to Onsite Electrical Support Structure.	LS	1	\$19,276 ⁰⁰	\$19,276 ⁰⁰
19	150 Watt Light Fixture - 15' High Light Pole w/ Foundation & Related Components	UNIT	1	\$3,850 ⁰⁰	\$3,850 ⁰⁰
20	Site Grading, Environmental / Earthen Restoration	LS	1	\$7,250 ⁰⁰	\$7,250 ⁰⁰
21	8" Thick, Crushed Stone Driveway (Pump Station Access)	SY	425	\$27 ⁰⁰	\$11,687 ⁰⁰

See
Attach
letter

22	4" Thick, Dense Graded Aggregate - (DGA) (Pumping Station Equipment Area)	SY	135	\$ 25.00 ⁰²	\$ 3,375.00 ⁰²
23	Concrete Vertical Curb, (If & Where Directed)	LF	20	\$.01	\$.20
24	Furnish & Plant Trees (Pine)	UNIT	5	\$ 450.00 ⁰²	\$ 2,250.00 ⁰²
25	Furnish & Plant Trees (Spruce)	UNIT	5	\$ 450.00 ⁰²	\$ 2,250.00 ⁰²
26	Hot Mix Asphalt Repair (County Roadway Requirements) (If & Where Directed)	SY	30	\$.01	\$.30
27	Excavation, Test Pits (If & Where Directed)	CY	85	\$.01	\$.85
28	Pipe Bedding (If & Where Directed) (Minimum Bid \$2.00 per Cubic Yard)	CY	265	\$ 2.00 ⁰²	\$ 530.00 ⁰²
29	Select Material (If & Where Directed) (Minimum Bid \$2.00 per Cubic Yard)	CY	75	\$ 2.00 ⁰²	\$ 150.00 ⁰²
30	Owner's Project Allowance (If & Where Directed)	LS	1	\$ 25,000.00	\$ 25,000.00
Total of all Bid Prices in Contract A (in numbers):					580,399.75
Total of all Bid Prices in Contract A (in words):					
Five hundred eighty thousand three hundred ninety four dollars & seventy five cents					

CONTRACT "B-1" (Collection System / Road Restoration)

Schedule of Quantities					
Item No.	Description	Unit Meas.	Qty.	Unit Cost	Total Cost
1	Soil Erosion and Sediment Control Measures	LS	1	\$ 5,500.00 ⁰²	\$ 5,500.00 ⁰²
2	Site Clearing / Grubbing / Tree Removal	LS	1	\$ 33,000.00 ⁰²	\$ 33,000.00 ⁰²
3	Mobilization	LS	1	\$ 15,000.00 ⁰²	\$ 15,000.00 ⁰²
4	Owner's Project Allowance (If & Where Directed)	LS	1	\$ 25,000.00	\$ 25,000.00
Sanitary Sewer Collection System					
5	Sanitary Sewer Manhole	UNIT	7	\$ 12,500.00 ⁰²	\$ 87,500.00 ⁰²
6	Sanitary Sewer Drop Manhole	UNIT	3	\$ 12,500.00 ⁰²	\$ 37,500.00 ⁰²
7	Force Main Air Relief Manhole	UNIT	0	\$ 12,000.00 ⁰²	\$ -
8	8" Poly Vinyl Chloride (PVC) Gravity Main (Open Cut)	LF	1,600	\$ 167.00 ⁰²	\$ 267,200.00 ⁰²
9	8" High Density Polyethylene (HDPE) or Polyvinyl Chloride (PVC) Gravity Main (Directional Drilling)	LF	458	\$ 315.50 ⁰²	\$ 143,509.00 ⁰²
10	4" Sanitary Sewer Lateral - Long Side, w/ Clean-out (w/ CC Box) (Directionally Drilled)	UNIT	6	\$ 6,100.00 ⁰²	\$ 36,600.00 ⁰²
11	4" Sanitary Sewer Lateral w/ Clean-out (w/ CC Box), (Open Cut)	UNIT	15	\$ 6,100.00 ⁰²	\$ 91,500.00 ⁰²

* SEE
sheet

A SEE
sheet

Sheet

12	1" K Copper Water Service w/ Curb Stop	LF	20	\$ 5 ⁰⁰	\$ 100 ⁰⁰
13	2" High Density Polyethylene (HDPE) Force Main w/ Valve (Directional Drilling)	LF	1,150	\$ 46 ⁰⁰	\$ 52,900 ⁰⁰
14	Installation Of Two (2) Combination Cleanout / Check Valve (Located @ Corner Of Breakneck Road & Main Street)	UNIT	2	\$ 75 ⁰⁰	\$ 150 ⁰⁰
15	Pipe Bedding (If & Where Directed) (Minimum Bid \$2.00 per Cubic Yard)	CY	100	\$ 2 ⁰⁰	\$ 200 ⁰⁰
16	Select Material (If & Where Directed) (Minimum Bid \$2.00 per Cubic Yard)	CY	475	\$ 2 ⁰⁰	\$ 950 ⁰⁰
17	Excavation, Test Pit (If & Where Directed)	CY	110	\$ 5 ⁰⁰	\$ 550 ⁰⁰

Roadway & Site Restoration

SEE ATTACH

18	Hot Mix Asphalt Milling, 3" or Less	SY	659	\$ 15 ⁰⁰	\$ 9,750 ⁰⁰
19	Hot Mix Asphalt, Surface Course, 9.5M64, 2" Thick	SY	659	\$ 20 ⁰⁰	\$ 13,000 ⁰⁰
20	Concrete Vertical Curb, (If & Where Directed)	LF	30	\$ 15 ⁰⁰	\$ 450 ⁰⁰
21	Concrete Driveway, 6" Thick	SY	25	\$ 15 ⁰⁰	\$ 375 ⁰⁰
22	Bituminous Curb	LF	70	\$ 40 ⁰⁰	\$ 2,800 ⁰⁰
23	Traffic Stripes, 4"	LF	200	\$ 2 ⁰⁰	\$ 400 ⁰⁰
24	Traffic Markings	SF	175	\$.01	\$ 175 ⁰⁰
25	Preparation of Existing Soil	SY	325	\$ 2 ⁰⁰	\$ 650 ⁰⁰
26	Topsoiling, 4" Thick	SY	325	\$ 10 ⁰⁰	\$ 3,250 ⁰⁰
27	Hydro-Seeding	SY	325	\$ 15 ⁰⁰	\$ 4,875 ⁰⁰
28	Uniformed Officers, Traffic Direction (If & Where Directed), Owners Allowance	HR	250	\$ 83.00	\$ 20,750 ⁰⁰
29	Maintenance & Protection Of Traffic (During Roadway Construction & Sanitary Sewer Construction)	LS	1	\$ 17,625 ⁰⁰	\$ 17,625 ⁰⁰

SEE ATTACH

Total of all Bid Prices in Contract B-1 (in numbers):

869,582⁰⁰

Total of all Bid Prices in Contract B-1 (in words):

eight hundred sixty nine thousand five hundred eighty two dollars & twenty five cents

CONTRACT "B-2" (Collection System / Road Restoration)

Schedule of Quantities					
Item No.	Description	Unit Meas.	Qty.	Unit Cost	Total Cost
1	Soil Erosion and Sediment Control Measures	LS	1	\$	\$
2	Site Clearing / Grubbing / Tree Removal	LS	1	\$	\$

28	Evergreen (Tree)	UNIT	4	\$	\$
29	Preparation of Existing Soil	SY	1,165	\$	\$
30	Topsoiling, 4" Thick	SY	1,265	\$	\$
31	Hydro-Seeding	SY	1,265	\$	\$
32	Rip-Rap w/ Filter Fabric	SY	10	\$	\$
33	Uniformed Officers, Traffic Direction (If & Where Directed), Owners Allowance	HR	400	\$ 83.00	\$ 24,900.00
34	Maintenance & Protection Of Traffic (During Roadway Construction & Sanitary Sewer Construction)	LS	1	\$	\$
Total of all Bid Prices in Contract B-2 (in numbers):					
Total of all Bid Prices in Contract B-2 (in words):					

CONTRACT A: Total of All Bid Prices (in Numbers) 580,394⁷⁵

CONTRACT B-1: Total of All Bid Prices (in Numbers) 869,582²⁵

~~CONTRACT B-2: Total of All Bid Prices (in Numbers) _____~~

Amount shall be shown in both words and numbers. In case of discrepancy, the amount shown in words shall govern.

Robert R Penn Jr
Vice president

Dave Roche

From: Theresa Clother <theresa@pactconstruction.com>
Sent: Friday, July 10, 2020 1:34 PM
To: Dave Roche
Cc: David Palgutta; Mark Brunermer; Bill Mesogianes; Pattie Owens; Henrik Maxian
Subject: Pact One, LLC's Negotiated Bid Submission for Barnsboro Sanitary Sewer Extension
Attachments: Pact One Revised Pricing B2 7.10.20.pdf

Importance: High

Good afternoon,

Please see attached Pact One, LLC's revised negotiated pricing for Contract B2 in response to your letter dated July 2, 2020. This revised pricing includes the correction to Bid Item No. 33, Uniformed Officers, Traffic Direction (If & Where Directed) Owners Allowance.

Please note, Pact One, LLC is not revising pricing for Contract B1.

Please contact Henrik Maxian at 484-226-8700 or myself at 908-875-7049, should you have any questions.

Thank you,

Theresa Clother
Bidding Coordinator
PACT One, LLC. & PACT Two, LLC.
Phone: (908) 788-1985
Fax: (908) 788-5780

From: Dave Roche <ddr@sickelsassoc.com>
Sent: Friday, July 10, 2020 12:46 PM
To: Theresa Clother <theresa@pactconstruction.com>
Cc: David Palgutta <DPalgutta@sickelsassoc.com>; Mark Brunermer <mrb@sickelsassoc.com>; Bill Mesogianes <wjm@sickelsassoc.com>; Pattie Owens <pao@sickelsassoc.com>
Subject: Barnsboro Sanitary Sewer Extension - Mantua Township MUA

Theresa,

I have attached a blank schedule of quantities form as requested. If you have any questions, please feel free to give me a call or by inquiring via email.

Thank you.

David Roché
Construction Manager
✉ ddr@sickelsassoc.com

Sickels & Associates, Inc.

833 Kings Highway
Woodbury, New Jersey 08096-3110
☎ 856.848.6800 📠 856.848.8520
<http://www.sickelsassoc.com/>

12	1" K Copper Water Service w/ Curb Stop	LF	20	\$	\$
13	2" High Density Polyethylene (HDPE) Force Main w/ Valve (Directional Drilling)	LF	1,225	\$	\$
14	Installation Of Two (2) Combination Cleanout / Check Valve (Located @ Corner Of Breakneck Road & Main Street)	UNIT	2	\$	\$
15	Pipe Bedding (If & Where Directed) (Minimum Bid \$2.00 per Cubic Yard)	CY	100	\$	\$
16	Select Material (If & Where Directed) (Minimum Bid \$2.00 per Cubic Yard)	CY	475	\$	\$
17	Excavation, Test Pit (If & Where Directed)	CY	110	\$	\$
Roadway & Site Restoration					
18	Hot Mix Asphalt Milling, 3" or Less	SY	1,250	\$	\$
19	Hot Mix Asphalt, Surface Course, 9.5M64, 2" Thick	SY	1,250	\$	\$
20	Concrete Vertical Curb, (If & Where Directed)	LF	30	\$	\$
21	Concrete Driveway, 6" Thick	SY	25	\$	\$
22	Bituminous Curb	LF	70	\$	\$
23	Traffic Stripes, 4"	LF	200	\$	\$
24	Traffic Markings	SF	175	\$	\$
25	Preparation of Existing Soil	SY	325	\$	\$
26	Topsoiling, 4" Thick	SY	325	\$	\$
27	Hydro-Seeding	SY	325	\$	\$
28	Uniformed Officers, Traffic Direction (If & Where Directed), Owners Allowance	HR	300	\$ 83.00	\$ 24,900.00
29	Maintenance & Protection Of Traffic (During Roadway Construction & Sanitary Sewer Construction)	LS	1	\$	\$
Total of all Bid Prices in Contract B-1 (in numbers):					
Total of all Bid Prices in Contract B-1 (in words):					

CONTRACT "B-2" (Collection System / Road Restoration)

Schedule of Quantities					
Item No.	Description	Unit Meas.	Qty.	Unit Cost	Total Cost
1	Soil Erosion and Sediment Control Measures	LS	1	\$ 10,000	\$ 10,000
2	Site Clearing / Grubbing / Tree Removal	LS	1	\$ 20,000	\$ 20,000

3	Mobilization	LS	1	\$ 20,000	\$ 20,000
4	Owner's Project Allowance (If & Where Directed)	LS	1	\$ 25,000.00	\$ 25,000.00
Sanitary Sewer Collection System					
5	Sanitary Sewer Manhole	UNIT	7	\$ 7000	\$ 49,000
6	Sanitary Sewer Drop Manhole	UNIT	3	\$ 8000	\$ 24,000
7	Force Main Air Relief Manhole	UNIT	1	\$ 10,000	\$ 10,000
8	8" Poly Vinyl Chloride (PVC) Gravity Main (Open Cut)	LF	2,200	\$ 125	\$ 275,000
9	4" Sanitary Sewer Laterals - Long Side, w/ Clean-out (w/ CC Box) (Open Cut)	UNIT	6	\$ 3000	\$ 18,000
10	4" Sanitary Sewer Laterals w/ Clean-out (w/ CC Box), (Open Cut)	UNIT	15	\$ 2000	\$ 30,000
11	1" K Copper Water Service w/ Curb Stop	LF	20	\$ 150	\$ 3000
12	2" High Density Polyethylene (HDPE) Force Main w/ Valve	LF	1,225	\$ 100	\$ 122,500
13	Installation Of Two (2) Combination Cleanout / Check Valve (Located @ Corner Of Breakneck Road & Main Street)	UNIT	2	\$ 3000	\$ 6000
14	Pipe Bedding (If & Where Directed) (Minimum Bid \$2.00 per Cubic Yard)	CY	635	\$ 40	\$ 25,400
15	Select Material (If & Where Directed) (Minimum Bid \$2.00 per Cubic Yard)	CY	2,215	\$ 40	\$ 88,600
16	Excavation, Test Pit (If & Where Directed)	CY	150	\$ 50	\$ 7500
Roadway & Site Restoration					
17	Hot Mix Asphalt Milling, 3" or Less	SY	2,415	\$ 10	\$ 24,150
18	Hot Mix Asphalt, Surface Course, 9.5M64, 2" Thick	SY	2,415	\$ 15	\$ 36,225
19	Hot Mix Asphalt, Driveway, 2" Thick	SY	140	\$ 20	\$ 2800
20	Concrete Vertical Curb	LF	110	\$ 60	\$ 6600
21	Concrete Driveway, 6" Thick	SY	25	\$ 100	\$ 2500
22	Bituminous Curb	LF	185	\$ 40	\$ 7400
23	Traffic Stripes, 4"	LF	2,970	\$ 5	\$ 14,850
24	Traffic Markings	SF	625	\$ 10	\$ 6250
25	Curb Piece	UNIT	1	\$ 1000	\$ 1000
26	Bicycle Safe Gate	UNIT	1	\$ 1000	\$ 1000
27	RPM, Bi-Directional, (color to be field determined)	UNIT	20	\$ 500	\$ 10,000

28	Evergreen (Tree)	UNIT	4	\$ 1000	\$ 4000
29	Preparation of Existing Soil	SY	1,165	\$ 20	\$ 23,300
30	Topsoiling, 4" Thick	SY	1,265	\$ 10	\$ 12,650
31	Hydro-Seeding	SY	1,265	\$ 5	\$ 6325
32	Rip-Rap w/ Filter Fabric	SY	10	\$ 50	\$ 500
33	Uniformed Officers, Traffic Direction (If & Where Directed), Owners Allowance	HR	400	\$ 83.00	\$ 24,900.00 \$ 33,200
34	Maintenance & Protection Of Traffic (During Roadway Construction & Sanitary Sewer Construction)	LS	1	\$ 10,000	\$ 10,000
Total of all Bid Prices in Contract B-2 (in numbers):					\$936,750
Total of all Bid Prices in Contract B-2 (in words):					
<i>nine hundred thirty six thousand seven hundred fifty dollars and zero cen.</i>					

CONTRACT A: Total of All Bid Prices (in Numbers) _____

CONTRACT B-1: Total of All Bid Prices (in Numbers) _____

CONTRACT B-2: Total of All Bid Prices (in Numbers) \$936,750

Amount shall be shown in both words and numbers. In case of discrepancy, the amount shown in words shall govern.

Barnsboro Sanitary Sewer System Improvements Project
Bid Proposal Review Summary
July 17, 2020

The contractor, Perna Finnigan, Inc., has submitted a bid proposal for the above referenced project. The bid proposal contained adjustments and value engineering suggestions to the scope, which were identified for review by the Authority and Authority Engineer.

Upon review, the specifications of the negotiated bid are not substantially different from those that were part of the original bid. The following is a summary of the work being proposed by the Contractor for the above project, specifically identifying any adjustments made or deviations from the original scope of work.

Contract A: Pumping Station Site:

1. **Item No.4 on the Bid Form:** The contractor has made adjustments to the slope of various sections of gravity sewer main throughout the project. This has resulted in a change to the pumping station invert, which makes it less deep. Consequently, a reduction in excavation, dewatering and overall capital cost of this phase was able to be realized. The contractor also removed a minor item from the contract for consideration. This included the auto-dialer as this item is being provided by the Owner's SCADA contractor for consistency with other pumping stations.
2. **Item No.5 on the Bid Form:** The contractor is proposing the use of helical piles to support the pumping station instead of compaction grouting. In addition, a design of the pile caps will be included with their submission. We are acceptable to the change in the means and methods being proposed for this station.
3. **Item No.9 on the Bid Form:** The contractor has made adjustments to the invert of MH#4, which coincides with the slope adjustment various sections of gravity main throughout the project.
4. **A summary table of manhole inverts and the slope of gravity main piping sections has been attached.**

Contract B: Collection System Contract:

The contractor is proposing to utilize both directional drilling and open cutting of the gravity main in an effort to minimize paving restoration and traffic control. In addition, as identified above, adjustments to the slope of various sections of gravity sewer main have been proposed throughout the project.

1. **Item(s) No.5 & 6 on the Bid Form:** The contractor has made adjustments to the invert of various manholes, which has revised the number of standard and drop manholes. It should be noted that manhole No.11 has been removed from the scope of the project.

2. **Item(s) No.7 on the Bid Form:** The contractor removed the air relief manhole from the project scope of work. Upon review with the Authority, we are acceptable to this adjustment.
3. **Item(s) No.8 & 9 on the Bid Form:** The contractor has adjusted the quantities for the number of linear feet of gravity main to be either open cut or directionally drilled. Clarification regarding the construction method to be used for each pipe section has been included on the attached summary table of manhole inverts and piping slopes. Upon review with the Authority, we are acceptable to this adjustment.
4. **Item(s) No.18 & 19 on the Bid Form:** The contractor has adjusted the quantities for the number of square yards of milling and surface paving. This is a result of the methodology being utilized for installation of the gravity mains, either open cut or directional drilling. Directional drilling is primarily being utilized within the County right-of-way along Breakneck Road and when crossing Barnsboro Road, in an effort to limit disturbance to roadway and minimize traffic impact to the extent possible.
5. **Item(s) No.28 on the Bid Form:** The contractor lessened the hours of anticipated uniformed officers as they believe their approach to the project will result in being able to install the piping more quickly.
6. **Clarifications regarding paving:** The contractor has expressed the following approach with regard to paving.
 - a. There will be a drilling pit used in the area of Manhole No.12 on Breakneck Road. The size of the pit will be approx. 10ft x 10ft. Dry flowable fill will be used in the pit and around the manhole. Base and Surface course in the disturbed area will meet County Paving Spec.
 - b. A lateral will be installed near MH. 12 on Breakneck Road. This will be open cut. The disturbed area will be saw cut, with flowable fill and paved per the County specifications.
 - c. There will be a drilling pit used in the area of Manhole No.10 on Breakneck Road. The size of the pit will be approx. 5ft x 25ft. Dry flowable fill will be used in the pit upon completion and installation of the manhole. The disturbed area will be saw cut, with flowable fill and paved per the County specifications.
 - d. A lateral will be installed between MH10 and MH. 12 on Breakneck Road. This will be open cut. The disturbed area will be saw cut, with flowable fill and paved per the County specifications.
 - e. A lateral will be installed near MH. 10 on Breakneck Road. This will be open cut. The disturbed area will be saw cut, with flowable fill and paved per the County specifications.
 - f. Paving for the dead end portion of Barnsboro Road will satisfy the county paving spec. Dry flowable fill is not being proposed on this roadway. Trench work will be backfilled with the existing soils and tamped in 12" lifts. Poor soils will be removed and replaced with excess soil from other parts of the project. In the event the Owner directs the contractor to provide select fill or dry flowable fill, during the course of the project the unit cost for the dry flowable fill would be \$150/cy. The unit cost for the select fill will be \$2.00/cy as identified on item 16 of the bid form.

7. **Clarifications regarding traffic control:** The contractor has expressed the following approach with regard to traffic control.
- a. Traffic control along Breakneck Road is intended to have 1 lane closed during the directional drilling process. An allowance for police officers was included in the bid for the police to flag traffic during when this section is being installed.
 - b. The Contractor doesn't anticipate needing to close the lane for the installation of piping between MH 10, MH9 and MH6.
 - c. Traffic control along Barnsboro Road is intended to have 1 lane closed during the installation of MH1, MH2 and MH3. An allowance for police officers was included in the bid for the police to flag traffic during when this section is being installed.

DESIGN PLAN ADJUSTMENTS / CLARIFICATIONS
SICKELS & ASSOCIATES, INC.
BARNSBORO SANITARY SEWER IMPROVEMENTS.

MANTUA TOWNSHIP M.U.A.
MANTUA TOWNSHIP, GLOUCESTER COUNTY, NEW JERSEY
S&A FILE NO. M-119A

17-Jul-20

Sanitary Sewer Manhole Adjustments

Item No.	Contract A or B1	Description	Notes	Estimated MH. Rim Elevation	MH. Invert Elv. (in)	MH. Invert Elv. (Out)	Estimated Depth (Rim - Out)	MH. Type Std. or Drop
1	B1	Manhole No.1	Not Adjusted	103.97	n/a	99.20	4.77	Std.
2	B1	Manhole No.2	Adjusted Invert	107.78	98.64	98.64	9.14	Std.
3	B1	Manhole No.3	Multiple Inverts	111.44	104.50	97.61	13.83	Drop
4	A	Manhole No.4	Adjusted Invert	109.00	96.87	96.81	12.19	Std.
5	B1	Manhole No.5	Adjusted Invert	115.03	109.50	106.00	9.03	Drop
6	B1	Manhole No.6	Multiple Inverts	119.31	113.60	112.16	7.15	Std.
7	B1	Manhole No.7	Adjusted Invert	127.45	121.30	121.20	6.25	Std.
8	B1	Manhole No.8	Adjusted Invert	140.97	n/a	134.33	6.64	Std.
9	B1	Manhole No.9	Not Adjusted	120.24	115.00	115.00	5.24	Std.
10	B1	Manhole No.10	Adjusted Invert	123.75	117.80	117.80	5.95	Std.
11	B1	Manhole No.11	Deleted from Scope				0.00	n/a
12	B1	Manhole No.12	Adjusted Invert	139.00	n/a	131.51	7.49	Std.

Sanitary Sewer Gravity Main Adjustments								
Item No.	Contract A or B1	Description	Notes	MH. Invert Elv. Upstream	MH. Invert Elv. Downstream	Pipe Length (LF)	Pipe Slope (%)	Const. Method
1	B1	Gravity Main Section between MH#1 - MH#2	Not Adjusted	99.20	98.64	150	0.37%	Open Cut
2	B1	Gravity Main Section between MH#2 - MH#3	Adjusted	98.64	97.61	294	0.35%	Open Cut
3	B1	Gravity Main Section between MH#3 - MH#4	Adjusted	97.61	96.87	231	0.32%	Open Cut
4	A	Gravity Main Section between MH#4 - Pump Stn.	Adjusted	96.87	96.81	16	0.38%	Open Cut
5	B1	Gravity Main Section between MH#5 - MH#3	Not Adjusted	106.00	104.50	75	2.00%	Direct Drill
6	B1	Gravity Main Section between MH#6 - MH#5	Adjusted	112.16	108.50	157	2.33%	Open Cut
7	B1	Gravity Main Section between MH#7 - MH#6	Adjusted	121.20	113.60	190	4.00%	Open Cut
8	B1	Gravity Main Section between MH#8 - MH#7	Adjusted	134.33	121.30	274	4.76%	Open Cut
9	B1	Gravity Main Section between MH#9 - MH#6	Adjusted	115.00	112.16	348	0.82%	Open Cut
10	B1	Gravity Main Section between MH#10 - MH#9	Adjusted	117.80	115.00	93	3.01%	Direct Drill
11	B1	Gravity Main Section between MH#12 - MH#10	Adjusted	131.51	117.80	290	4.73%	Direct Drill