

CITY OF HIGH POINT

AGENDA ITEM



Title: Waterview Pump Station Forcemain Extension, Bid 17-042022

From: Robby Stone – Public Services Director

Derrick Boone – Public Services Asst. Director **Meeting Date:** May 2, 2022

Allan Hicks – Projects Engineer

Public Hearing: N/A

Advertising Date: N/A

Advertised By: N/A

Attachments: Attachment A – Award Recommendation and Bid Tabulation
Attachment B – Project Exhibit Map

PURPOSE:

To contract with Baker Underground Inc. for the construction of the Waterview Pump Station Improvement Forcemain Extension project.

BACKGROUND:

The current Waterview Pump Station was constructed in 2007 to replace an older, smaller station that was to be in conflict with the proposed NCDOT widening of Skeet Club Road. The recent completion of the forcemain replacement (upsized from 10-inch to 16-inch) along Skeet Club Road and the 2017 installation of third pump in the station has provided the ability to increase the firm pumping capacity of the station from 1,550 GPM to approximately 2,500 GPM. However, the current receiving gravity sewer (12" diameter) along Eastchester Drive limits the ability to achieve the station's full pumping capacity.

The proposed project will be to relocate the Waterview forcemain discharge to the Penny Road Outfall (24" diameter), near the intersection of Penny Road and Sunnyvale Drive. The proposed extension will require the installation of approximately 5,545 LF of 16-inch forcemain and approximately 245 LF of gravity sewer, beginning at the intersection of Highway 68/Skeet Club/Wendover Avenue and terminating at the Penny Road Outfall.

There was a total of five (5) bidders for the advertised project. Baker Underground Inc. was the lowest bidder when bids were opened on April 20, 2022.

BUDGET IMPACT:

Funds for this project are available in the FY 2021-2022 budget

RECOMMENDATION / ACTION REQUESTED:

The Public Services Department recommends approval of the contract and that the appropriate City official and/or employee be authorized to execute all necessary documents to award the project to Baker Underground Inc. in the amount of \$2,767,305.00.

April 22, 2022

Re: City of High Point, NC
Waterview Pump Station Improvements
Forcemain Extension
Bid No. 17-042022
DMP Project No. 200077 (BF)

Mr. Derrick Boone, Assistant Director
Public Services Department
City of High Point
PO Box 230
High Point, NC 27261

Dear Derrick:

Bids were received by the Purchasing Department on April 20, 2022 for the above referenced project. A total of five (5) bids were submitted and read, as summarized below.

Bidder	Base Bid	Alternate Bid A1	Alternate Bid A2
Baker Underground, Inc. Kernersville, NC	\$ 2,767,305.00	\$ 1,800.00	\$ 268,800.00
Yates Construction Company, Inc. Stokesdale, NC	\$ 3,432,132.68	\$ 1,157.70	\$ 92,422.40
Breece Enterprises, Inc. High Point, NC	\$ 3,650,629.00	\$ 1,500.00	\$ 143,360.00
State Utility Contractors, Inc. Monroe, NC	\$ 4,833,403.00	\$ 150.00	\$ 26,880.00
Dellinger, Inc. Monroe, NC	\$ 5,899,608.00	\$ 1,320.00	\$ 170,240.00

A detailed tabulation of all bids received is attached.

The Base Bid pricing provides for the installation of PVC pipe for the project. The Alternate Bid pricing requested would provide for the installation of epoxy-lined ductile iron pipe (DIP) in lieu of the base bid PVC. Multiple pipe material options were provided in an effort to secure the most competitive pricing for the project. With the current material supply issues/lead times, the low bidder has indicated that he expects the PVC pipe material can be obtained timelier than the epoxy-lined DIP (August/September vs. November/December). Public Services Department staff has advised that they wish to move forward with the Base Bid (PVC) material.


The lowest bidder, Baker Underground, Inc., is an experienced contractor licensed by the State of North Carolina as an Unlimited General Contractor (License #85066). They have performed several similar projects in North Carolina and are capable of performing the work called for in this project.

It is our recommendation that the City Council award the contract to Baker Underground, Inc. for the Base Bid amount of \$ 2,767,305.00.

The original bid documents/submittals will be returned to your office under separate cover for your files.
Please feel free to contact me if you have questions or require additional information.

Sincerely,

DAVIS • MARTIN • POWELL & ASSOCIATES

A handwritten signature in black ink, appearing to read "Ben Palmer", with a stylized flourish at the end.

Ben Palmer, PE

c: File (enc)

BID TABULATION

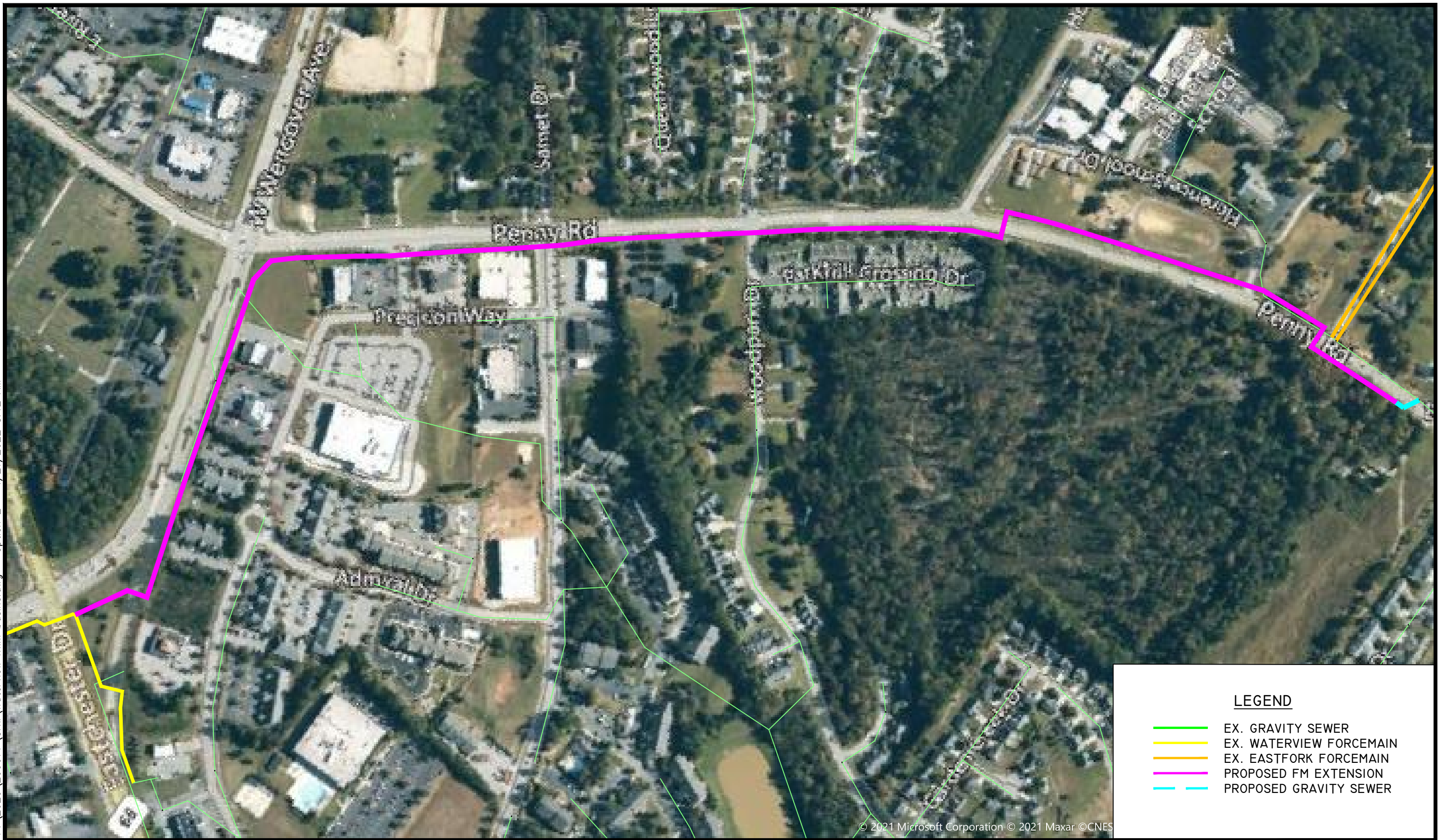
				Baker Underground, Inc. 422 West Mountain St. Ste A Kernersville, NC 27284		Yates Construction Co 9220 NC 65 Stokesdale, NC 27357		Breece Enterprises, Inc. 631 Old Thomasville Road High Point, NC 27260		State Utility Contractors, Inc. 4417 Old Charlotte Hwy Monroe, NC 28110		Dellinger, Inc. PO Box 929 Monroe, NC 28111	
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
BASE BID													
1	Mobilization (Max 3% of bid)	1	LS	\$82,000.00	\$82,000.00	\$98,325.00	\$98,325.00	\$109,000.00	\$109,000.00	\$145,000.00	\$145,000.00	\$175,000.00	\$175,000.00
2	Clearing & grubbing	1	LS	\$60,000.00	\$60,000.00	\$61,525.00	\$61,525.00	\$250,000.00	\$250,000.00	\$70,000.00	\$70,000.00	\$188,000.00	\$188,000.00
3	12" PVC forcemain	30	LF	\$180.00	\$5,400.00	\$148.07	\$4,442.10	\$200.00	\$6,000.00	\$410.00	\$12,300.00	\$290.00	\$8,700.00
4	16" PVC forcemain	4,480	LF	\$200.00	\$896,000.00	\$190.74	\$854,515.20	\$300.00	\$1,344,000.00	\$425.00	\$1,904,000.00	\$395.00	\$1,769,600.00
5	16" FPVC, installed by HDD	1,065	LF	\$400.00	\$426,000.00	\$460.77	\$490,720.05	\$805.00	\$857,325.00	\$1,150.00	\$1,224,750.00	\$2,000.00	\$2,130,000.00
6	8" PVC sanitary sewer (0-8' cut)	90	LF	\$150.00	\$13,500.00	\$258.32	\$23,248.80	\$100.00	\$9,000.00	\$540.00	\$48,600.00	\$120.00	\$10,800.00
7	18" PVC sanitary sewer (10-12' cut)	53	LF	\$400.00	\$21,200.00	\$203.95	\$10,809.35	\$300.00	\$15,900.00	\$610.00	\$32,330.00	\$420.00	\$22,260.00
8	18" PVC sanitary sewer (12-14' cut)	12	LF	\$400.00	\$4,800.00	\$251.61	\$3,019.32	\$300.00	\$3,600.00	\$680.00	\$8,160.00	\$895.00	\$10,740.00
9	18" PVC sanitary sewer, installed in encasement	45	LF	\$600.00	\$27,000.00	\$220.56	\$9,925.20	\$250.00	\$11,250.00	\$760.00	\$34,200.00	\$820.00	\$36,900.00
10	24" PVC sanitary sewer (6-8' cut)	54	LF	\$500.00	\$27,000.00	\$621.97	\$33,586.38	\$350.00	\$18,900.00	\$740.00	\$39,960.00	\$670.00	\$36,180.00
11	30" Steel Encasement (bore & Jack - in soil)	295	LF	\$700.00	\$206,500.00	\$1,314.16	\$387,677.20	\$600.00	\$177,000.00	\$750.00	\$221,250.00	\$975.00	\$287,625.00
12	30" Steel Encasement (Bore & Jack - not in soil)	295	LF	\$700.00	\$206,500.00	\$2,738.78	\$807,940.10	\$600.00	\$177,000.00	\$750.00	\$221,250.00	\$2,050.00	\$604,750.00
13	4' dia. Manhole (0-6' cut) precast concrete	1	Ea	\$24,000.00	\$24,000.00	\$10,275.25	\$10,275.25	\$8,000.00	\$8,000.00	\$6,500.00	\$6,500.00	\$7,500.00	\$7,500.00
14	5' dia. Manhole (6-8' cut) polymer concrete	1	Ea	\$28,000.00	\$28,000.00	\$20,159.50	\$20,159.50	\$30,000.00	\$30,000.00	\$23,000.00	\$23,000.00	\$20,000.00	\$20,000.00
15	5' dia. Manhole (10-12' cut) polymer concrete	2	Ea	\$30,000.00	\$60,000.00	\$27,168.58	\$54,337.16	\$30,000.00	\$60,000.00	\$27,000.00	\$54,000.00	\$21,000.00	\$42,000.00
16	5' dia. Doghouse manhole (6-8' cut) polymer concrete	1	Ea	\$28,000.00	\$28,000.00	\$21,913.25	\$21,913.25	\$25,000.00	\$25,000.00	\$34,000.00	\$34,000.00	\$23,000.00	\$23,000.00
17	5' dia. Doghouse manhole (12-14' cut) polymer concrete	1	Ea	\$32,000.00	\$32,000.00	\$29,532.00	\$29,532.00	\$40,000.00	\$40,000.00	\$50,000.00	\$50,000.00	\$30,000.00	\$30,000.00
18	CAVV in 5' dia. Precast manhole	3	Ea	\$20,000.00	\$60,000.00	\$21,071.17	\$63,213.51	\$20,000.00	\$60,000.00	\$22,000.00	\$66,000.00	\$20,000.00	\$60,000.00
19	Tracer wire	5,575	LF	\$3.00	\$16,725.00	\$1.43	\$7,972.25	\$1.00	\$5,575.00	\$1.00	\$5,575.00	\$1.00	\$5,575.00
20	Tracer wire access box	5	Ea	\$1,000.00	\$5,000.00	\$258.75	\$1,293.75	\$500.00	\$2,500.00	\$200.00	\$1,000.00	\$230.00	\$1,150.00
21	16" DI Fittings	14,500	Lbs	\$15.00	\$217,500.00	\$12.71	\$184,295.00	\$15.00	\$217,500.00	\$28.00	\$406,000.00	\$13.00	\$188,500.00
22	16"x16" Tapping sleeve & valve	1	Ea	\$36,000.00	\$36,000.00	\$30,532.50	\$30,532.50	\$40,000.00	\$40,000.00	\$41,000.00	\$41,000.00	\$35,000.00	\$35,000.00
23	16" Plug valve & CI box	1	Ea	\$20,000.00	\$20,000.00	\$13,225.00	\$13,225.00	\$15,000.00	\$15,000.00	\$27,000.00	\$27,000.00	\$16,000.00	\$16,000.00
24	Trench Rock Removal	200	CY	\$80.00	\$16,000.00	\$80.00	\$16,000.00	\$80.00	\$16,000.00	\$80.00	\$16,000.00	\$80.00	\$16,000.00
25	Trench Stabilization Stone	500	Ton	\$80.00	\$40,000.00	\$80.50	\$40,250.00	\$40.00	\$20,000.00	\$40.00	\$20,000.00	\$107.00	\$53,500.00
26	Select backfill borrow material	200	CY	\$140.00	\$28,000.00	\$66.70	\$13,340.00	\$60.00	\$12,000.00	\$35.00	\$7,000.00	\$152.00	\$30,400.00
27	Driveway and Shoulder Stone	200	Ton	\$100.00	\$20,000.00	\$94.88	\$18,976.00	\$100.00	\$20,000.00	\$35.00	\$7,000.00	\$44.00	\$8,800.00
28	Remove & Replace concrete sidewalk	120	SF	\$80.00	\$9,600.00	\$16.68	\$2,001.60	\$100.00	\$12,000.00	\$25.00	\$3,000.00	\$20.00	\$2,400.00
29	Remove & Replace concrete curb & gutter	150	LF	\$80.00	\$12,000.00	\$60.03	\$9,004.50	\$125.00	\$18,750.00	\$85.00	\$12,750.00	\$66.00	\$9,900.00
30	Remove & Replace asphalt drive	100	SY	\$200.00	\$20,000.00	\$104.65	\$10,465.00	\$85.00	\$8,500.00	\$220.00	\$22,000.00	\$126.00	\$12,600.00
31	Remove & Replace asphalt roadway	125	SY	\$300.00	\$37,500.00	\$461.38	\$57,672.50	\$125.00	\$15,625.00	\$250.00	\$31,250.00	\$150.00	\$18,750.00
32	Remove existing sewer manhole	2	Ea	\$8,000.00	\$16,000.00	\$1,753.75	\$3,507.50	\$5,000.00	\$10,000.00	\$2,500.00	\$5,000.00	\$1,600.00	\$3,200.00
33	Temp. silt fence	4,176	LF	\$5.00	\$20,880.00	\$5.11	\$21,339.36	\$4.00	\$16,704.00	\$3.00	\$12,528.00	\$3.00	\$12,528.00
34	Stone outlets in silt fence	21	Ea	\$300.00	\$6,300.00	\$230.00	\$4,830.00	\$200.00	\$4,200.00	\$200.00	\$4,200.00	\$200.00	\$4,200.00
35	Erosion Control Matting (as directed by Engineer)	200	SY	\$25.00	\$5,000.00	\$5.52	\$1,104.00	\$3.00	\$600.00	\$3.00	\$600.00	\$2.00	\$400.00
36	Inlet Protection (structure or pipe)	3	Ea	\$300.00	\$900.00	\$225.00	\$675.00	\$300.00	\$900.00	\$600.00	\$1,800.00	\$550.00	\$1,650.00
37	Seeding & mulching	3.2	Acre	\$10,000.00	\$32,000.00	\$3,276.36	\$10,484.35	\$4,000.00	\$12,800.00	\$4,500.00	\$14,400.00	\$5,000.00	\$16,000.00
	TOTAL BASE BID AMOUNT (Items 1-37)				\$2,767,305.00		\$3,432,132.68		\$3,650,629.00		\$4,833,403.00		\$5,899,608.00
ALTERNATE BID													
A1.	12" DIP (P-401) forcemain	30	LF	\$60.00	\$1,800.00	\$38.59	\$1,157.70	\$50.00	\$1,500.00	\$5.00	\$150.00	\$44.00	\$1,320.00
A2.	16" DIP (P-401) forcemain	4,480	LF	\$60.00	\$268,800.00	\$20.63	\$92,422.40	\$32.00	\$143,360.00	\$6.00	\$26,880.00	\$38.00	\$170,240.00



THIS IS TO CERTIFY THAT THIS TABULATION IS CORRECT
AND A TRUE AND ACCURATE COPY OF THE BIDS
SUBMITTED, THIS THE 20TH DAY OF APRIL, 2022.

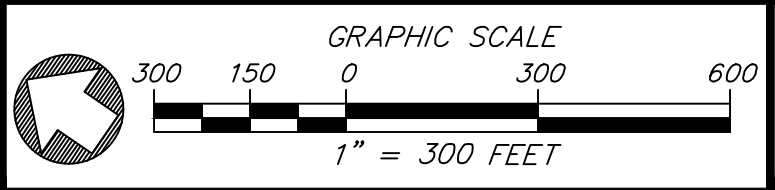
DAVIS • MARTIN • POWELL & ASSOCIATES
Ben Palmer, PE

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RELOCATE DISCHARGE TO PENNY ROAD

CITY OF HIGH POINT
WATERVIEW PUMP STATION
FORCEMAIN EXTENSION

LEGEND

- EX. GRAVITY SEWER
- EX. WATERVIEW FORCEMAIN
- EX. EASTFORK FORCEMAIN
- PROPOSED FM EXTENSION
- PROPOSED GRAVITY SEWER