Nashville Town Council
Called Meeting

Thursday, June 11, 2020
6:00 PM
Nashville Town Council Chambers
114 W. Church Street, Nashville, NC 27856

1. **Call to Order**

2. **Pledge of Allegiance**

3. **Prayer**

4. **Items for Consideration**

   a) **Discussion and Consideration of Water and Sewer Upgrades on Eastern Avenue.**

5. **Adjourn**

TOWN OF NASHVILLE

499 S. BARNES STREET
NASHVILLE, NC 27856
WWW.TOWNOFNASHVILLE.COM
(252) 459-4511

Town Council
AGENDA REPORT

MEETING DATE:	June 11, 2020
PREPARED BY:	Randy Lansing, Town Manager
ISSUE CONSIDERED:	Water & Sewer Upgrades for Eastern Avenue

SUMMARY OF ISSUE: The Town has received pricing from Barnhill Contracting Company for upsizing the water main pipe from 12" to 16" along Eastern Avenue from Regency Drive to Red Oak Road, and for constructing sanitary sewer lines from the south side of Eastern Avenue to the north side between Regency Lift Station to Kamlar Drive. The NCDOT is having Barnhill construct an 8" sanitary sewer line along Eastern Avenue to provide sewer for the commercial buildings in the 2000 and 2100 block of Eastern Avenue as part of the Eastern Avenue Widening Project.

The cost of upsizing the water main pipe is $136,071 plus $5,263 for engineering for a total of $141,344. The cost of three 8" sanitary sewer main crossings is $164,880 plus $6,377 for engineering for a $171,257 or $57,085 per crossing. The three sewer crossings would provide sewer service to Woda Cooper Company's proposed 55-unit apartment building, East Coast Equipment Partners i.e. the John Deere dealership, and David Rose's 60 acres of land between Woda's proposed apartment building and the John Deere Dealer.

MANAGER'S RECOMMENDATION:	Approve Increasing the Size of the Water Main to 16" and Consider Sharing in the Cost of Sewer Crossing with the Property Owners.
ATTACHMENT(S):	Barnhill Contracting's Water & Sewer Upgrade Cost Letter Map Showing the Water Main Replacement (6 pages) Map Showing the Sewer Route (1 page)
REVIEWED BY TOWN MANAGER:	

BARNHILL
CONTRACTING
COMPANY

PO Box 7948
800 Tiffany Blvd., Suite 200
Rocky Mount, NC 27804
252-823-1021 phone | www.barnhillcontracting.com
NC General Contractors License No. 3194

May 2, 2020

Rhonda B. Early, PE
Project Manager
HNTB North Carolina, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, NC 27609

Re: U-5026/R-5720
C204412 Nash County
Sewer Line Betterment
Design Cost and
Construction Budget

Dear Mrs. Early:

The Barnhill Team is pleased to provide the NCDOT design build unit with a price for design cost, as well as a construction budget for the Nashville sewer line extension betterments that were requested by the town of Nashville. This design cost includes all work provided in HDR Engineering; Inc. design scope attached. Also, we have attached the blank Man-day spread sheet for the design build unit's use. Barnhill Contracting Company is providing a budget for construction cost as well. Once these betterments are approved, we will provide a construction cost upon completion of design by HDR Engineering, Inc.

Sewer Line Betterment Design

HDR Design Cost	1 Lump Sum	$ 15,055.12
Markup 10%		$ 1,505.51
Bond		$ 73.69
Lump Sum Price		$ 16,634.32

Sewer Line Betterment Construction Budget

Ed Braswell & Sons Budget	1 Lump Sum	$ 430,061.00
Markup 10%		$ 43,006.10
Bond		$ 2,105.15
Lump Sum Budget		$ 475,172.25

The sewer line betterment construction budget does not include construction staking. Once we have more complete plans, we will provide additional cost for construction staking in the final construction cost.

Should you require additional information please do not hesitate to contract us.

Yours very truly,

Jeremy Whitehurst

BARNHILL CONTRACTING COMPANY

JW/gfh

May 14, 2020

HDR

Utility Design

HDR Engineering, Inc., of the Carolinas (HDR) to perform additional preliminary and final design services for associated with the Town of Nashville's request for betterments of the gravity sanitary sewer along SR1770 (Eastern Ave) (between Kalmar Road and a manhole located just east of Forest View Drive). Construction drawings and sewer main special project provisions will be prepared and conform to the Town of Nashville - Standard Specifications & Construction Details (latest version).

HDR will perform sanitary sewer extension permitting through the North Carolina Department of Environmental Quality (NCDEQ) and Town of Nashville. The sewer line betterments as requested by the Town of Nashville will include preliminary and final design services for the following:

Construction Drawing and Technical Specification Development

1. Increasing the water main pipe size from 12" to 16" from Regency Drive to Red Oak Road along Eastern Avenue.
2. An 8" water main crossing near station marker 32+50 with a gate valve and fire hydrant. Between Glover's 5th + 6th Commercial Blding for Fire Protection.
3. An 8" water main crossing near station marker 15+00 with a gate valve and fire hydrant. This water main can be used to provide water services for the Joe Keel property at 2199 Eastern Avenue and Julie Howard property at 2225 Eastern Avenue who are losing their shared well to the road widening project.
4. An 8" water main crossing near station marker 6+50 with a gate valve and fire hydrant. To replace the existing Fire Hydrant on S. side of Eastern Ave.
5. An 8" water main crossing near station marker 1+50 with a gate valve and fire hydrant. This water main can be used to replace the existing water service lines for the Kirby Winstead property at 101 Forest View Drive and Brian Pullen property at 100 Forest View Drive.
6. A 4" sanitary sewer service line for the JRS Partners, Inc. property, aka Market Leader Realty, at 2090 Eastern Avenue.
7. A 4" sanitary sewer service stub for the Joe Keel property at 2199 Eastern Avenue for future service of the property.
8. A 4" sanitary sewer service stub for the Julie Howard property at 2225 Eastern Avenue for future service of the property.
9. Eight inch sanitary sewer main crossings at Manholes #7, #10, and #14 with a standard manhole on the end of each crossing.

Exclusions

- Multiple water and sewer main routing analyses and evaluations
- Hydraulic modeling
- Fire hydrant flow and pressure testing and analysis
- Topographic Survey
- Easement plat development and acquisition
- CCTV
- Subsurface Utility Explorations (SUE)
- Geo-Tech Explorations

- Hazardous material/soil assessments and abatement
- Endangered species evaluations and investigations
- Preparation and submission of permits not identified in the original Scope of Services
- Payment of Permit Fees, Privileges, and Assurances
- Environmental impacts and assessments
- Wetland and buffer mitigation and documentation
- Sedimentation and erosion control evaluations and design
- Additional water and sewer main alignment design modifications after route selected
- Development of As-Built/Record Drawings
- Construction administration and resident observation phase services
- Any other services not defined in the original Scope of Services

Assumptions

- All work will be performed within NCDOT right of way with NCDOT acquiring PUE as needed.
- Town of Nashville to provide all built-out demand criteria and data (water and sewage)
- Town of Nashville to verify sanitary sewer main size needed.
- No water and sanitary sewer/force main betterments are included outside of those mentioned above.
- NCDOT will coordinate all meetings and with stakeholders (up to two).

Schedule

50% Construction Drawings (Plan) and preliminary Project Special Provisions Table of Contents (TOC)	12 Working Days from NTP*

*From receiving final survey (if required) and approved roadway right of way drawings

Fee

$15,055.12

Proposal

Ed Braswell & Sons, Inc.

Estimator: Chuck Braswell
NC Contractors Lic. # 25993

632 Quarry Lane
Rocky Mount, NC 27803
Phone (252) 937-3877 Fax (252) 937-8365

TO: **BARNHILL**

Attn:
E-MAIL
Phone

Job: EASTERN AVN D.O.T
Loc: SUNSET ROCKY MT
Desc.: BUDGET PRICING
FAX

Job #
Page: 1 OF 3
Date: 5/20/2020

ITEM	DESCRIPTION	UNIT	QTY	UNIT PR.		TOTAL
	BUDGET PRICING					
	UTILITES UPGRADE TOWN OF NASHVILLE					
1	**INCREASE WATER MAIN SIZE**					
	12" C-900 PIPE					
	16" C-900 2 TO 16 ADD	LF	3123	17.00		53091.00
	16" 45 DEGREE BENDS 12 TO16 ADD	EA	8	195.00		1560.00
	16" GATE VALVE 12 TO 16 ADD	EA	4	5265.00		21060.00
	16 TO 18 MJ TEE 12 16 ADD	EA	8	595.00		4760.00
	16X12 MJ RED ADD	EA	1	750.00		750.00
	16X16 HYD TEE 12 TO 16	EA	2	550.00		1100.00
	30" CASING BORE 20" TO 30"	LF	215	250.00		53750.00
					SUM	**136071.00**
3	**8" WATER MAIN CROSSING** Howard & Keel Property					
	STA 15+00 & 2 WATER TAPS					
	16X8 MJ TEE	EA	1	1225.00		1225.00
	8" MJ GATE VALVE	EA	1	1465.00		1465.00
	8" C-900 PIPE	LF	105	55.00		5775.00
	8"X6 MJ RED	EA	1	530.00		530.00
	6" MJ GATE VALVE	EA	1	1100.00		1100.00
	FIRE HYD	EA	1	2700.00		2700.00
	16" BORE & CASING	LF	90	240.00		21600.00
	3/4 WATER TAPS	EA	2	1100.00		2200.00
					SUM	**36595.00**
2	**8" WATER MAIN CROSSING #2** Glover's Blding #5 & #6.					
	16X8 MJ TEE	EA	1	1225.00		1225.00
	8" MJ GATE VALVE	EA	1	1465.00		1465.00
	8" C-900 PIPE	LF	105	55.00		5775.00
	8X6 MJ RED	EA	1	530.00		530.00
	6" MJ GATE VALVE	EA	1	1100.00		1100.00
	FIRE HYD	EA	1	2700.00		2700.00
	16" BORE & CASING	LF	90	240.00		21600.00
					SUM	**34395.00**

WE ARE NOT RESPONSIBLE FOR LOCATING OR REPAIR OF ANY LINES OR UTILITES THAT ARE NOT MARKED BY NC ONE CALL

EXCLUDES ANY STAKING, FEES, PERMITS, OR SEEDING; TRENCH BORROW BY OTHER; TRENCH ROCK $150.00 PER CUYD MIN 35 CUYD

All material is guaranteed to be as specified. All work is to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from the above or attachedspecifications involving extra cost will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.
PAYMENT TERMS: NET 30 DAYS-INVOICES ARE SUBJECT TO 1.5% INTEREST CHARGES PER MONTH ON BALANCES PAST DUE 30 DAYS. ANNUAL PERCENTAGE RATE 18%

ACCEPTANCE OF PROPOSAL:
The above or attached prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified.
Payment will be made as outlined above.

PROPOSAL SUBMITTED IN THE SUM OF

AUTHORIZED SIGNATURE Edward C Braswell

PROPOSAL ACCEPTED THIS PROPOSAL MAY BE WITHDRAWN BY US IF NOT ACCEPTED WITHIN 30 DAYS

SIGNATURE **DATE OF ACCEPTANCE**

Proposal

Ed Braswell & Sons, Inc.

Estimator: Chuck Braswell
NC Contractors Lic. # 25993

632 Quarry Lane
Rocky Mount, NC 27803
Phone (252) 937-3877 Fax (252) 937-8365

TO: **BARNHILL**

Job	EASTERN AVN D.O.T		
Loc	SUNSET ROCKY MT	Job #	
Desc.	BUDGET PRICING	Page	2 OF 3
FAX		Date	5/20/2020

Attn:
E-MAIL
Phone

ITEM	DESCRIPTION	UNIT	QTY	UNIT PR.		TOTAL
	BUDGET PRICING					
	UTILITES UPGRADE TOWN OF NASHVILLE					
5	**8" WATER MAIN CROSSING STATION 15+00** Wenstead & Pullen Properties on Forest View Dr.					
	16X8 MJ TEE	EA	1	1225.00		1225.00
	8" MJ GATE VALVE	EA	1	1465.00		1465.00
	8" C-900 PIPE	EA	380	55.00		20900.00
	8X6 MJ RED	EA	1	530.00		530.00
	6" MJ GATE VALVE	EA	1	1100.00		1100.00
	FIRE HYD	EA	1	2700.00		2700.00
	16" BORE & CASING	LF	90	240.00		21600.00
	WATER SERVICE LINE	EA	1	1100.00		1100.00
					SUM	**50620.00**

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AUTHORIZED SIGNATURE Estel C. Braswell

PROPOSAL ACCEPTED
SIGNATURE

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NC Contractors Lic. # 25993

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Loc: SUNSET ROCKY MT
Desc.: BUDGET PRICING
FAX

Job #
Page: 3 OF 3
Date: 5/20/2020

ITEM	DESCRIPTION	UNIT	QTY	UNIT PR.		TOTAL
	BUDGET PRICING					
	UTILITES UPGRADE TOWN OF NASHVILLE					
6	**4" SEWER SERVICE 2090** market Leader Realty					
	EASTERN AVE LONG SIDE	EA	1	4500.00		4500.00
					SUM	**4500.00**
7	**4" SEWER SERVICE 2199** Joe Keel property					
	EASTERN AVE SHORT SIDE	EA	1	1500.00		1500.00
					SUM	**1500.00**
8	**4" SEWER SERVICE 2225** Julie Howard Property					
	EASTERN AVE SHORT SIDE	EA	1	1500.00		1500.00
					SUM	**1500.00**
9	**8" SANITARY SEWER CROSSING WITH 4' DIA MANHOLE AT MH # 7-10-14**					
	TIE INTO EXISTING MANHOLE	EA	3	2160.00		6480.00
	8" SANITARY SEWER 120' EA	LF	360	100.00		36000.00
	4' DIA MANHOLE 12 TO 14	EA	3	5800.00		17400.00
	16" BORE & CASING SEWER	LF	300	350.00		105000.00
					SUM	**164880.00**

Woda Cooper Companies
David Rose
East Coast Equipment

P1-1	136071.00
P1-3	36595.00
P1-2	34395.00
P2-5	50620.00
P3-6	4500.00
P3-7	1500.00
P3-8	1500.00
P3-9	164880.00
TOTAL	**430061.00**

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