

MINUTES

STATE OF NORTH CAROLINA
COUNTY OF HENDERSON

CANE CREEK WATER & SEWER DISTRICT
WEDNESDAY, JULY 17, 2013

The Henderson County Board of Commissioners met for a regularly scheduled meeting at 9:00 a.m. in the Commissioners' Meeting Room of the Historic Courthouse on Main Street, Hendersonville.

Those present were: Chairman Charlie Messer, Vice-Chairman Tommy Thompson, Commissioner Grady Hawkins, Commissioner Mike Edney, Commissioner Larry Young, County Manager Steve Wyatt, Interim Assistant County Manager David Whitson, Attorney Russ Burrell and Clerk to the Board Teresa Wilson.

Also present were: Finance Director J. Carey McLelland, Senior Planner Autumn Radcliff, Engineer Marcus Jones, Research/Budget Analyst Amy Brantley, Registrar of Deeds Nedra Moles, Delinquent Tax Collector Lee King, Recreation Program Supervisor Karen Saine, Assessor/Tax Collector Stan Duncan, Deputy County Attorney Sarah Zambon, Fire Marshal Rocky Hyder, and Environmental Programs Coordinator Megan Piner, videotaping.

Absent was: Public Information Officer Christina Hallingse.

CALL TO ORDER/WELCOME

Chairman Messer called the meeting to order and welcomed all in attendance.

Commissioner Thompson made the motion for the Board to convene as Cane Creek Water & Sewer District Board. All voted in favor and the motion carried.

MINUTES

Draft minutes were presented for CCWSD Board review and approval of the following meeting(s):
April 17, 2013

Chairman Messer made the motion to approve the minutes of April 17, 2013 as presented. All voted in favor and the motion carried.

AWARD CONSTRUCTION CONTRACT - FLETCHER WAREHOUSE INTERCEPTOR PROJECT

Construction Contract: Marcus Jones stated as recommended by McGill Associates in the letter provided, Buchanan and Sons, Incorporated is presented to the Board for award of the construction contract for the Fletcher Warehouse Interceptor Project. The proposed contract is for \$1,381,485.00.

By State Statute this project was estimated to be in the formal bidding range, and therefore, the Engineer has conducted the bid process accordingly. Additionally, the project was advertised in the local newspaper, Times-News, and posted on the County website.

The proposed budget is as follows:

Construction Contract	\$1,381,485
Engineering Agreement (Design, Bidding & CA)	\$159,910
Easements, Permitting & Testing	\$60,000
Construction Contingency (10%)	\$130,000
Total Project Budget	\$1,731,395

APPROVED: August 4, 2014

This project is funded by a \$358,696 contribution from NCDOT's Howard Gap Road project and a \$40,000 contribution from Fletcher Crossing. The remainder of the funding has been allocated in the District's FY14 budget.

This is one of the top priority projects from the 2008 Master Plan. There is a strong urgency on this project with anticipation of completion before April, 2014.

Commissioner Hawkins made the motion that the Board of Directors award the construction contract for the Fletcher Warehouse Interceptor Project to Buchanan and Sons, Incorporated for \$1,381,485, approve the proposed project budget and authorize the County Engineer to execute the required documents.

ADJOURN

Chairman Messer made the motion to adjourn as the Cane Creek Water & Sewer District Board and reconvene as the Henderson County Board of Commissioners. All voted in favor and the motion carried.

Attest:

Teresa L. Wilson, Clerk to the Board

Charles D. Messer, Chairman



July 2, 2013

Mr. Marcus Jones, PE, Director of Engineering
Henderson County
1 Courthouse Square, Suite 6
Hendersonville, North Carolina 28792

RE: Recommendation of Award
Fletcher Warehouse Sewer Interceptor
Cane Creek Water and Sewer District
Henderson County, North Carolina

Dear Marcus:

On June 25, 2013, formal bids were received by the Cane Creek water and Sewer District for the above-referenced project. A total of five (5) bids were received and opened for this project with the following results.

BIDDER	BASE BID AMOUNT	ALTERNATE BID AMOUNT
Buchanan and Sons Inc.	\$1,381,485.00	\$1,484,940.00
State Utility Contractors Inc.	\$1,504,906.00	\$1,551,744.30
Strack of Georgia, Inc.	\$1,681,291.96	\$1,739,410.68
Buckeye Construction Company, Inc.	\$1,713,754.60	\$1,760,289.50
Moorhead Construction	\$1,897,308.00	\$2,000,763.00

The low bidder for both the base bid and alternate bid is Buchanan and Sons, Incorporated from Whittier, North Carolina. A copy of their bid, along with the bid bond and other required forms is attached for your reference.

The alternate bid was for a change in materials for the 18-inch portion of the gravity sewer line, changing from SDR 26 polyvinyl chloride sewer pipe to pressure class 250 ductile iron pipe. Due to the substantial additional cost for this alternate, we are not recommending that the District accept it.

Based on our review of the qualifications of Buchanan and Sons, Incorporated, it appears that the company has the capability to perform the work required for this project. According to the North Carolina Licensing Board for General Contractors' website, Buchanan and Sons, Incorporated holds a current "Unlimited, Unclassified" contractor's license in the State of North Carolina, and they are listed as "Prequalified Bidder" on the North Carolina Department of Transportation (NCDOT) Directory of Firms listing, which qualifies them to perform this work.

E n g i n e e r i n g • P l a n n i n g • F i n a n c e

McGill Associates, P.A. • P.O. Box 2259, Asheville, NC 28802 • 55 Broad Street, Asheville, NC 28801

828-252-0575 • Fax: 828-252-2518


Mr. Marcus Jones, PE, Director of Engineering
July 2, 2013
Page 2

Further, we understand that adequate funding is available for the subject project. Therefore, we recommend that the Cane Creek Water and Sewer District approve the award for this construction contract in the amount of \$1,381,485.00 to Buchanan and Sons, Incorporated with the following contingencies.

- This award shall be contingent upon the District Board, Staff, and Legal Council's review and concurrence.
- We understand that officials from NCDOT are also required to review the bids submitted and provide approval for awarding the project, since they are contributing a portion of the funds to complete the work.
- We also point out that an easement across property owned by the State of North Carolina has been "verbally" approved; however, final release of the easement from the North Carolina Attorney General's Office has not been received. Obtaining this easement is required before the United States Army Corps of Engineer's permit can be issued. While we do not anticipate any substantial delays with these documents, these topics still remain unsettled at this time.

Please feel free to call if you have any questions, or we can provide any additional information.

Sincerely,
McGILL ASSOCIATES, P.A.



HARRY B. BUCKNER, P.E.
Project Manager

Enclosures



**CERTIFIED BID TABULATION
FLETCHER WAREHOUSE SEWER INTERCEPTOR
CANE CREEK WATER AND SEWER DISTRICT
HENDERSON COUNTY, NORTH CAROLINA**

Buchanan and Sons Inc. P.O. Box 123 Whittier, NC 28789	State Utility Contractors, Inc. 4417 Old Charlotte Hwy. Monroe, NC 28111
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ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	Mobilization (Max. 3% of bid)	1	LS	\$ 30,000.00	\$ 30,000.00	\$ 40,000.00	\$ 40,000.00
2	18" SDR 26 PVC sanitary sewer including embedment per details	2299	LF	\$ 65.00	\$ 149,435.00	\$ 75.80	\$ 174,264.20
3	18" Class 250 DIP sanitary sewer including embedment per details	751	LF	\$ 110.00	\$ 82,610.00	\$ 97.50	\$ 73,222.50
4	12" SDR 35 PVC sanitary sewer including embedment per details	3675	LF	\$ 50.00	\$ 183,750.00	\$ 57.80	\$ 212,415.00
5	12" Class 350 DIP sanitary sewer including embedment per details	1176	LF	\$ 70.00	\$ 82,320.00	\$ 73.50	\$ 86,436.00
6	10" SDR 35 PVC sanitary sewer including embedment per details	0	LF				
7	8" SDR 35 PVC sanitary sewer including embedment per details	5247	LF	\$ 40.00	\$ 209,880.00	\$ 51.40	\$ 269,695.80
8	8" Class 350 DIP sanitary sewer including embedment per details	851	LF	\$ 55.00	\$ 46,805.00	\$ 62.50	\$ 53,187.50
9	Washed stone embedment for DIP to match PVC Trench Detail. For use in wet conditions as directed by the Engineer only.	2000	LF	\$ 5.00	\$ 10,000.00	\$ 3.50	\$ 7,000.00
10	Washed stone undercut as directed by the Engineer in 6" depth increments	5000	LF	\$ 5.00	\$ 25,000.00	\$ 3.20	\$ 16,000.00
	Geotextile and geogrid w/ stone foundation for wet conditions, per detail, as directed by the Engineer only	3500	LF	\$ 15.00	\$ 52,500.00	\$ 20.50	\$ 71,750.00
12	5' Dia. manholes - standard	0	EA				
13	4' Dia. manholes - standard	34	EA	\$ 2,100.00	\$ 71,400.00	\$ 1,700.00	\$ 57,800.00
14	5' Dia. manholes w/ water tight lids	0	EA				
15	4' Dia. manholes w/ water tight lids	24	EA	\$ 2,100.00	\$ 50,400.00	\$ 1,800.00	\$ 43,200.00
16	5' Dia. manholes w/ water tight lids and vents	0	EA				
17	4' Dia. manholes w/ water tight lids and vents	9	EA	\$ 2,900.00	\$ 26,100.00	\$ 2,700.00	\$ 24,300.00
18	Install new manhole on existing sewer line	1	EA	\$ 2,000.00	\$ 2,000.00	\$ 3,200.00	\$ 3,200.00
19	Sanitary sewer service taps w/ cleanouts	10	EA	\$ 500.00	\$ 5,000.00	\$ 650.00	\$ 6,500.00
20	Additional 4" PVC service pipe	125	LF	\$ 20.00	\$ 2,500.00	\$ 22.00	\$ 2,750.00
21	Connect to existing manhole and rebuild invert	1	EA	\$ 2,500.00	\$ 2,500.00	\$ 2,100.00	\$ 2,100.00
22	Connection to existing wet well, including core of wet well wall and installation of linkseal	1	EA	\$ 4,500.00	\$ 4,500.00	\$ 5,500.00	\$ 5,500.00
23	Abandonment of pump station or manhole per detail	2	EA	\$ 1,500.00	\$ 3,000.00	\$ 4,800.00	\$ 9,600.00
24	500 psi flowable fill for sewer line abandonment	35	CY	\$ 220.00	\$ 7,700.00	\$ 300.00	\$ 10,500.00
25	Sewer line plug for line abandonment installed per details	9	EA	\$ 150.00	\$ 1,350.00	\$ 300.00	\$ 2,700.00
26	Pipe slope keys installed per detail	2	EA	\$ 1,000.00	\$ 2,000.00	\$ 1,800.00	\$ 3,600.00
27	Anti-seep collars installed per detail	20	CY	\$ 750.00	\$ 15,000.00	\$ 200.00	\$ 4,000.00
28	4" DIP sewer force main	500	LF	\$ 35.00	\$ 17,500.00	\$ 43.00	\$ 21,500.00
29	24" Dia. x 0.375" wall thickness steel encasement pipe, bored and jacked complete w/ carrier pipe IN SOIL	175	LF	\$ 315.00	\$ 55,125.00	\$ 460.00	\$ 80,500.00



**CERTIFIED BID TABULATION
FLETCHER WAREHOUSE SEWER INTERCEPTOR
CANE CREEK WATER AND SEWER DISTRICT
HENDERSON COUNTY, NORTH CAROLINA**

Buchanan and Sons Inc. P.O. Box 123 Whittier, NC 28789	State Utility Contractors, Inc. 4417 Old Charlotte Hwy. Monroe, NC 28111
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ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
30	24" Dia. x 0.375" wall thickness steel encasement pipe, bored and jacked complete w/ carrier pipe NOT IN SOIL	175	LF	\$ 575.00	\$ 100,625.00	\$ 460.00	\$ 80,500.00
31	24" Dia. x 0.375" wall thickness steel encasement pipe, complete w/ carrier pipe installed by open cut	68	LF	\$ 125.00	\$ 8,500.00	\$ 170.00	\$ 11,560.00
32	18" Dia. x 0.250" wall thickness steel encasement pipe, bored and jacked complete w/ carrier pipe IN SOIL	15	LF	\$ 315.00	\$ 4,725.00	\$ 315.00	\$ 4,725.00
33	18" Dia. x 0.250" wall thickness steel encasement pipe, bored and jacked complete w/ carrier pipe NOT IN SOIL	15	LF	\$ 560.00	\$ 8,400.00	\$ 315.00	\$ 4,725.00
34	12" Dia. x 0.250" wall thickness steel encasement pipe, complete w/ carrier pipe installed by open cut	40	LF	\$ 75.00	\$ 3,000.00	\$ 115.00	\$ 4,600.00
35	Connection of 4" DIP force main to manhole per detail	1	EA	\$ 3,000.00	\$ 3,000.00	\$ 2,700.00	\$ 2,700.00
36	Asphalt repair excluding overlay, per detail (Pavement Repair Detail and Private and Town Streets Detail)	400	LF	\$ 90.00	\$ 36,000.00	\$ 80.00	\$ 32,000.00
	2" Type SF9.5-B bituminous surface course overlay	500	SY	\$ 33.00	\$ 16,500.00	\$ 25.00	\$ 12,500.00
38	CABC (road shoulders)	150	TONS	\$ 25.00	\$ 3,750.00	\$ 22.00	\$ 3,300.00
39	Asphalt drive repair per detail	20	LF	\$ 30.50	\$ 610.00	\$ 40.00	\$ 800.00
40	Concrete drive repair per detail	20	LF	\$ 37.50	\$ 750.00	\$ 70.00	\$ 1,400.00
41	Gravel drive repair per detail	250	LF	\$ 6.50	\$ 1,625.00	\$ 10.00	\$ 2,500.00
42	Miscellaneous concrete	10	CY	\$ 300.00	\$ 3,000.00	\$ 300.00	\$ 3,000.00
43	Rock excavation	250	CY	\$ 70.00	\$ 17,500.00	\$ 60.00	\$ 15,000.00
44	Select backfill	250	CY	\$ 14.00	\$ 3,500.00	\$ 30.00	\$ 7,500.00
45	Replacement maple trees - min. 2" dia.	2	EA	\$ 300.00	\$ 600.00	\$ 500.00	\$ 1,000.00
46	Silt fence installed per details	5750	LF	\$ 2.50	\$ 14,375.00	\$ 2.50	\$ 14,375.00
47	Rip rap or wattle check dam in ditch line	20	EA	\$ 150.00	\$ 3,000.00	\$ 100.00	\$ 2,000.00
48	Culvert, curb inlet and drop inlet protection	5	EA	\$ 100.00	\$ 500.00	\$ 300.00	\$ 1,500.00
49	Class II rip rap 12" thick w/ filter fabric	300	SY	\$ 25.00	\$ 7,500.00	\$ 35.00	\$ 10,500.00
50	Spray applied cementitious manhole liner, complete	3	EA	\$ 1,550.00	\$ 4,650.00	\$ 2,000.00	\$ 6,000.00
51	Norfolk Southern insurance allowance	1	LS	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00
TOTAL BASE BID					\$1,381,485.00		\$1,504,906.00

ALTERNATE BID

The total alternate bid is calculated by subtracting Line 2 & 3 and adding Line 3A to the total base bid.

3A	18" Class 250 DIP sanitary sewer including embedment per details	3050	LF	\$ 110.00	\$ 335,500.00	\$ 96.50	\$ 294,325.00
TOTAL ALTERNATE BID					\$1,484,940.00		\$1,551,744.30

to certify that the bids tabulated herein were publicly opened and read aloud at 2:00pm on the 25th day of June 2013, in the Cane Creek Water & Sewer District Building, Henderson County, North Carolina and that said bids were accompanied by acceptable bidder's bonds in the amount of 5% of the bid.

HARRY B. BUCKNER
 ENGINEER
 SEAL 22541
 7-2-2013



CERTIFIED BID TABULATION
FLETCHER WAREHOUSE SEWER INTERCEPTOR
CANE CREEK WATER AND SEWER DISTRICT
HENDERSON COUNTY, NORTH CAROLINA

				Strack of Georgia Inc. 125 Laser Industrial Court Fairburn, GA 30213		Buckeye Construction 654 Buckeye Cove Rd. Canton, NC 28716	
ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	Mobilization (Max. 3% of bid)	1	LS	\$ 46,934.00	\$ 46,934.00	\$ 51,020.00	\$ 51,020.00
2	18" SDR 26 PVC sanitary sewer including embedment per details	2299	LF	\$ 78.51	\$ 180,494.49	\$ 98.10	\$ 225,531.90
3	18" Class 250 DIP sanitary sewer including embedment per details	751	LF	\$ 103.79	\$ 77,946.29	\$ 133.20	\$ 100,033.20
4	12" SDR 35 PVC sanitary sewer including embedment per details	3675	LF	\$ 66.58	\$ 244,681.50	\$ 80.70	\$ 296,572.50
5	12" Class 350 DIP sanitary sewer including embedment per details	1176	LF	\$ 79.13	\$ 93,056.88	\$ 106.50	\$ 125,244.00
6	10" SDR 35 PVC sanitary sewer including embedment per details	0	LF				
7	8" SDR 35 PVC sanitary sewer including embedment per details	5247	LF	\$ 60.53	\$ 317,600.91	\$ 68.50	\$ 359,419.50
8	8" Class 350 DIP sanitary sewer including embedment per details	851	LF	\$ 68.19	\$ 58,029.69	\$ 96.50	\$ 82,121.50
9	Washed stone embedment for DIP to match PVC Trench Detail. For use in wet conditions as directed by the Engineer only.	2000	LF	\$ 9.71	\$ 19,420.00	\$ 8.00	\$ 16,000.00
10	Washed stone undercut as directed by the Engineer in 6" depth increments	5000	LF	\$ 3.88	\$ 19,400.00	\$ 6.50	\$ 32,500.00
	Geotextile and geogrid w/ stone foundation for wet conditions, per detail, as directed by the Engineer only	3500	LF	\$ 34.21	\$ 119,735.00	\$ 19.20	\$ 67,200.00
12	5' Dia. manholes - standard	0	EA				
13	4' Dia. manholes - standard	34	EA	\$ 2,070.59	\$ 70,400.06	\$ 1,706.00	\$ 58,004.00
14	5' Dia. manholes w/ water tight lids	0	EA				
15	4' Dia. manholes w/ water tight lids	24	EA	\$ 2,163.67	\$ 51,928.08	\$ 1,859.00	\$ 44,616.00
16	5' Dia. manholes w/ water tight lids and vents	0	EA				
17	4' Dia. manholes w/ water tight lids and vents	9	EA	\$ 3,660.84	\$ 32,947.56	\$ 2,706.00	\$ 24,354.00
18	Install new manhole on existing sewer line	1	EA	\$ 11,089.04	\$ 11,089.04	\$ 2,371.00	\$ 2,371.00
19	Sanitary sewer service taps w/ cleanouts	10	EA	\$ 1,128.41	\$ 11,284.10	\$ 1,025.00	\$ 10,250.00
20	Additional 4" PVC service pipe	125	LF	\$ 24.46	\$ 3,057.50	\$ 34.00	\$ 4,250.00
21	Connect to existing manhole and rebuild invert	1	EA	\$ 975.92	\$ 975.92	\$ 2,830.00	\$ 2,830.00
22	Connection to existing wet well, including core of wet well wall and installation of linkseal	1	EA	\$ 1,579.40	\$ 1,579.40	\$ 5,435.00	\$ 5,435.00
23	Abandonment of pump station or manhole per detail	2	EA	\$ 6,490.45	\$ 12,980.90	\$ 2,290.00	\$ 4,580.00
24	500 psi flowable fill for sewer line abandonment	35	CY	\$ 240.42	\$ 8,414.70	\$ 292.00	\$ 10,220.00
25	Sewer line plug for line abandonment installed per details	9	EA	\$ 678.47	\$ 6,106.23	\$ 800.00	\$ 7,200.00
26	Pipe slope keys installed per detail	2	EA	\$ 831.43	\$ 1,662.86	\$ 306.00	\$ 612.00
27	Anti-seep collars installed per detail	20	CY	\$ 235.54	\$ 4,710.80	\$ 346.00	\$ 6,920.00
28	4" DIP sewer force main	500	LF	\$ 34.67	\$ 17,335.00	\$ 37.50	\$ 18,750.00
--	24" Dia. x 0.375" wall thickness steel encasement pipe, bored and jacked complete w/ carrier pipe IN SOIL	175	LF	\$ 205.99	\$ 36,048.25	\$ 276.00	\$ 48,300.00



**CERTIFIED BID TABULATION
FLETCHER WAREHOUSE SEWER INTERCEPTOR
CANE CREEK WATER AND SEWER DISTRICT
HENDERSON COUNTY, NORTH CAROLINA**

Strack of Georgia Inc. 125 Laser Industrial Court Fairburn, GA 30213	Buckeye Construction 654 Buckeye Cove Rd. Canton, NC 28716
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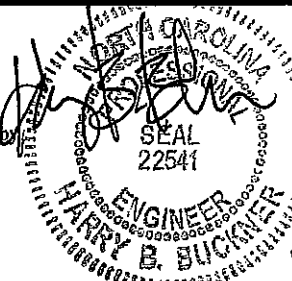
ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
30	24" Dia. x 0.375" wall thickness steel encasement pipe, bored and jacked complete w/ carrier pipe NOT IN SOIL	175	LF	\$ 508.55	\$ 88,996.25	\$ 1.00	\$ 175.00
31	24" Dia. x 0.375" wall thickness steel encasement pipe, complete w/ carrier pipe installed by open cut	68	LF	\$ 98.07	\$ 6,668.76	\$ 150.00	\$ 10,200.00
32	18" Dia. x 0.250" wall thickness steel encasement pipe, bored and jacked complete w/ carrier pipe IN SOIL	15	LF	\$ 192.30	\$ 2,884.50	\$ 268.00	\$ 4,020.00
33	18" Dia. x 0.250" wall thickness steel encasement pipe, bored and jacked complete w/ carrier pipe NOT IN SOIL	15	LF	\$ 436.30	\$ 6,544.50	\$ 1.00	\$ 15.00
34	12" Dia. x 0.250" wall thickness steel encasement pipe, complete w/ carrier pipe installed by open cut	40	LF	\$ 164.75	\$ 6,590.00	\$ 143.00	\$ 5,720.00
35	Connection of 4" DIP force main to manhole per detail	1	EA	\$ 1,599.39	\$ 1,599.39	\$ 1,886.00	\$ 1,886.00
36	Asphalt repair excluding overlay, per detail (Pavement Repair Detail and Private and Town Streets Detail)	400	LF	\$ 109.73	\$ 43,892.00	\$ 46.00	\$ 18,400.00
38	2" Type SF9.5-B bituminous surface course overlay	500	SY	\$ 14.85	\$ 7,425.00	\$ 24.25	\$ 12,125.00
38	CABC (road shoulders)	150	TONS	\$ 25.81	\$ 3,871.50	\$ 26.00	\$ 3,900.00
39	Asphalt drive repair per detail	20	LF	\$ 137.50	\$ 2,750.00	\$ 57.00	\$ 1,140.00
40	Concrete drive repair per detail	20	LF	\$ 55.81	\$ 1,116.20	\$ 80.00	\$ 1,600.00
41	Gravel drive repair per detail	250	LF	\$ 2.03	\$ 507.50	\$ 6.30	\$ 1,575.00
42	Miscellaneous concrete	10	CY	\$ 191.32	\$ 1,913.20	\$ 245.00	\$ 2,450.00
43	Rock excavation	250	CY	\$ 68.40	\$ 17,100.00	\$ 1.00	\$ 250.00
44	Select backfill	250	CY	\$ 22.00	\$ 5,500.00	\$ 26.00	\$ 6,500.00
45	Replacement maple trees - min. 2" dia.	2	EA	\$ 275.00	\$ 550.00	\$ 345.00	\$ 690.00
46	Silt fence installed per details	5750	LF	\$ 3.54	\$ 20,355.00	\$ 2.50	\$ 14,375.00
47	Rip rap or wattle check dam in ditch line	20	EA	\$ 90.40	\$ 1,808.00	\$ 57.00	\$ 1,140.00
48	Culvert, curb inlet and drop inlet protection	5	EA	\$ 156.40	\$ 782.00	\$ 115.00	\$ 575.00
49	Class II rip rap 12" thick w/ filter fabric	300	SY	\$ 27.73	\$ 8,319.00	\$ 37.00	\$ 11,100.00
50	Spray applied cementitious manhole liner, complete	3	EA	\$ 1,100.00	\$ 3,300.00	\$ 3,528.00	\$ 10,584.00
51	Norfolk Southern insurance allowance	1	LS	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00
TOTAL BASE BID					\$1,681,291.96		\$1,713,754.60

ALTERNATE BID

The total alternate bid is calculated by subtracting Line 2 & 3 and adding Line 3A to the total base bid.

3A	18" Class 250 DIP sanitary sewer including embedment per details	3050	LF	\$ 103.79	\$ 316,559.50	\$ 122.00	\$ 372,100.00
TOTAL ALTERNATE BID					\$1,739,410.68		\$1,760,289.50

to certify that the bids tabulated herein were publicly opened and read aloud at 2:00pm on the 25th day of June 2013, in the Cane Creek Water & Sewer District Building, Henderson County, North Carolina and that said bids were accompanied by acceptable bidder's bonds in the amount of 5% of the bid.



7-2-2013



CERTIFIED BID TABULATION
FLETCHER WAREHOUSE SEWER INTERCEPTOR
CANE CREEK WATER AND SEWER DISTRICT
HENDERSON COUNTY, NORTH CAROLINA

Moorhead Construction
 1513 Anderson St.
 Belton, SC 29627

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL
1	Mobilization (Max. 3% of bid)	1	LS	\$ 52,000.00	\$ 52,000.00
2	18" SDR 26 PVC sanitary sewer including embedment per details	2299	LF	\$ 112.00	\$ 257,488.00
3	18" Class 250 DIP sanitary sewer including embedment per details	751	LF	\$ 157.00	\$ 117,907.00
4	12" SDR 35 PVC sanitary sewer including embedment per details	3675	LF	\$ 87.00	\$ 319,725.00
5	12" Class 350 DIP sanitary sewer including embedment per details	1176	LF	\$ 107.00	\$ 125,832.00
6	10" SDR 35 PVC sanitary sewer including embedment per details	0	LF		
7	8" SDR 35 PVC sanitary sewer including embedment per details	5247	LF	\$ 65.00	\$ 341,055.00
8	8" Class 350 DIP sanitary sewer including embedment per details	851	LF	\$ 91.00	\$ 77,441.00
9	Washed stone embedment for DIP to match PVC Trench Detail. For use in wet conditions as directed by the Engineer only.	2000	LF	\$ 3.25	\$ 6,500.00
10	Washed stone undercut as directed by the Engineer in 6" depth increments	5000	LF	\$ 3.25	\$ 16,250.00
11	Geotextile and geogrid w/ stone foundation for wet conditions, per detail, as directed by the Engineer only	3500	LF	\$ 20.00	\$ 70,000.00
12	5' Dia. manholes - standard	0	EA		
13	4' Dia. manholes - standard	34	EA	\$ 2,100.00	\$ 71,400.00
14	5' Dia. manholes w/ water tight lids	0	EA		
15	4' Dia. manholes w/ water tight lids	24	EA	\$ 2,200.00	\$ 52,800.00
16	5' Dia. manholes w/ water tight lids and vents	0	EA		
17	4' Dia. manholes w/ water tight lids and vents	9	EA	\$ 3,100.00	\$ 27,900.00
18	Install new manhole on existing sewer line	1	EA	\$ 3,500.00	\$ 3,500.00
19	Sanitary sewer service taps w/ cleanouts	10	EA	\$ 350.00	\$ 3,500.00
20	Additional 4" PVC service pipe	125	LF	\$ 28.00	\$ 3,500.00
21	Connect to existing manhole and rebuild invert	1	EA	\$ 2,500.00	\$ 2,500.00
22	Connection to existing wet well, including core of wet well wall and installation of linkseal	1	EA	\$ 3,500.00	\$ 3,500.00
23	Abandonment of pump station or manhole per detail	2	EA	\$ 12,000.00	\$ 24,000.00
24	500 psi flowable fill for sewer line abandonment	35	CY	\$ 200.00	\$ 7,000.00
25	Sewer line plug for line abandonment installed per details	9	EA	\$ 250.00	\$ 2,250.00
26	Pipe slope keys installed per detail	2	EA	\$ 750.00	\$ 1,500.00
27	Anti-seep collars installed per detail	20	CY	\$ 250.00	\$ 5,000.00
28	4" DIP sewer force main	500	LF	\$ 45.00	\$ 22,500.00
29	24" Dia. x 0.375" wall thickness steel encasement pipe, bored and jacked complete w/ carrier pipe IN SOIL	175	LF	\$ 300.00	\$ 52,500.00



**CERTIFIED BID TABULATION
FLETCHER WAREHOUSE SEWER INTERCEPTOR
CANE CREEK WATER AND SEWER DISTRICT
HENDERSON COUNTY, NORTH CAROLINA**

Moorhead Construction
1513 Anderson St.
Belton, SC 29627

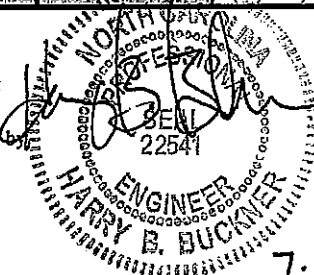
ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL
30	24" Dia. x 0.375" wall thickness steel encasement pipe, bored and jacked complete w/ carrier pipe NOT IN SOIL	175	LF	\$ 400.00	\$ 70,000.00
31	24" Dia. x 0.375" wall thickness steel encasement pipe, complete w/ carrier pipe installed by open cut	68	LF	\$ 150.00	\$ 10,200.00
32	18" Dia. x 0.250" wall thickness steel encasement pipe, bored and jacked complete w/ carrier pipe IN SOIL	15	LF	\$ 235.00	\$ 3,525.00
33	18" Dia. x 0.250" wall thickness steel encasement pipe, bored and jacked complete w/ carrier pipe NOT IN SOIL	15	LF	\$ 335.00	\$ 5,025.00
34	12" Dia. x 0.250" wall thickness steel encasement pipe, complete w/ carrier pipe installed by open cut	40	LF	\$ 125.00	\$ 5,000.00
35	Connection of 4" DIP force main to manhole per detail	1	EA	\$ 2,500.00	\$ 2,500.00
36	Asphalt repair excluding overlay, per detail (Pavement Repair Detail and Private and Town Streets Detail)	400	LF	\$ 95.00	\$ 38,000.00
37	2" Type SF9.5-B bituminous surface course overlay	500	SY	\$ 22.00	\$ 11,000.00
38	CABC (road shoulders)	150	TONS	\$ 19.00	\$ 2,850.00
39	Asphalt drive repair per detail	20	LF	\$ 81.50	\$ 1,630.00
40	Concrete drive repair per detail	20	LF	\$ 114.00	\$ 2,280.00
41	Gravel drive repair per detail	250	LF	\$ 5.50	\$ 1,375.00
42	Miscellaneous concrete	10	CY	\$ 137.50	\$ 1,375.00
43	Rock excavation	250	CY	\$ 75.00	\$ 18,750.00
44	Select backfill	250	CY	\$ 35.00	\$ 8,750.00
45	Replacement maple trees - min. 2" dia.	2	EA	\$ 500.00	\$ 1,000.00
46	Silt fence installed per details	5750	LF	\$ 3.00	\$ 17,250.00
47	Rip rap or wattle check dam in ditch line	20	EA	\$ 200.00	\$ 4,000.00
48	Culvert, curb inlet and drop inlet protection	5	EA	\$ 350.00	\$ 1,750.00
49	Class II rip rap 12" thick w/ filter fabric	300	SY	\$ 60.00	\$ 18,000.00
50	Spray applied cementitious manhole liner, complete	3	EA	\$ 1,500.00	\$ 4,500.00
51	Norfolk Southern insurance allowance	1	LS	\$ 1,000.00	\$ 1,000.00
TOTAL BASE BID					\$1,897,308.00

ALTERNATE BID

The total alternate bid is calculated by subtracting Line 2 & 3 and adding Line 3A to the total base bid.

3A	18" Class 250 DIP sanitary sewer including embedment per details	3050	LF	\$ 157.00	\$ 478,850.00
TOTAL ALTERNATE BID					\$2,000,763.00

This is to certify that the bids tabulated herein were publicly opened and read aloud at 2:00pm on the 25th day of June 2013, in the Cane Creek Water & Sewer District Building, Henderson County, North Carolina and that said bids were accompanied by acceptable bidder's bonds in the amount of 5% of the bid.



7-2-2013