

# **REQUEST FOR BOARD ACTION**

## **HENDERSON COUNTY BOARD OF COMMISSIONERS**

**MEETING DATE:** July 20, 2005

**SUBJECT:** Mills River Sewer Project  
Phase 2 & 3

**ATTACHMENTS:** Yes

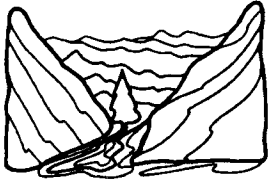
### **SUMMARY OF REQUEST:**

Attached is the bid summary sheet for Phase 2 and 3 of the Mills River Sewer Project. As the Board is aware, Phase 1 is currently under construction. These phases are designed to provide sewer service to the business area at the corner of NC 191 and NC 280, as well as, to Mills River Elementary School.

The lowest bidder is H & M Constructors in the amount of \$818,329. This company is a sub-contractor on the inceptor line. The budget for these phases is \$900,000.

### **COUNTY MANAGER'S RECOMMENDATION/BOARD ACTION REQUIRED:**

I recommend that the Board adopt the attached resolution awarding the bid to H&M Constructors.



# William G. Lapsley & Associates, P.A.

Consulting Civil Engineers and Land Planners

William G. Lapsley, P.E.  
William R. Buie, P.E.  
G. Thomas Jones III, P.E.  
Donald L. Hunley, P.E.

July 13, 2005

Mr. Gary Tweed, PE  
Henderson County  
802 Stoney Mountain Road  
Hendersonville, NC 28791

RE: Mills River Sanitary Sewer Projects  
Phases II and III

Dear Gary:

As you know, bids were opened on July 12 for the above referenced project. I am enclosing the original bids and also a tabulation of the bids for your reference. The bids received were as follows:

H&M Constructors	\$818,329.00
Terry Brothers	\$1,017,652.00
Central Builders	\$1,042,832.00
Haren Construction	\$1,584,530.50
Buckeye Construction	\$1,598,107.00

Based on our review of the bids, we recommend award of a contract to H&M Constructors in the amount of \$818,329.00 (subject to review and approval by the County Legal Dept, receipt of the proper forms/affidavits from the contractor, and approval by NC Construction Grants & Loans.)

Please feel free to contact me if you have any questions or concerns.

Sincerely,

G. Thomas Jones III, P.E.

**BID TABULATION**

**Mills River Sanitary Sewer Projects Phase II and III**

Henderson County - WGLA#00112

ITEM	UNITS	QTY	H & M Constructors		Terry Brothers		Central Builders		Haren Construction		Buckeye Construction	
			UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
1 Mobilization, Bonds, Insurance for Phases II & III (Max. 2% of Total Bid)	LS	1	\$12,500.00 =	\$12,500.00	\$19,000.00 =	\$19,000.00	\$20,000.00 =	\$20,000.00	\$30,000.00 =	\$30,000.00	\$20,400.00 =	\$20,400.00
<b>PHASE II</b>												
2 Clear & Grub	LS	1	\$9,800.00 =	\$9,800.00	\$8,000.00 =	\$8,000.00	\$1,000.00 =	\$1,000.00	\$10,000.00 =	\$10,000.00	\$9,700.00 =	\$9,700.00
3 Tie to existing Manhole	LS	1	\$1,250.00 =	\$1,250.00	\$1,000.00 =	\$1,000.00	\$25,000.00 =	\$25,000.00	\$2,500.00 =	\$2,500.00	\$4,100.00 =	\$4,100.00
4 8" diam. Gravity Sewer, 0'-6' Depth (DIP/CL-350)	LF	228	\$31.00 =	\$7,068.00	\$36.00 =	\$8,208.00	\$43.00 =	\$9,804.00	\$55.00 =	\$12,540.00	\$68.00 =	\$15,504.00
5 8" diam. Gravity Sewer, 6'-8' Depth (DIP/CL-350)	LF	208	\$31.00 =	\$6,448.00	\$38.00 =	\$7,904.00	\$43.00 =	\$8,944.00	\$60.00 =	\$12,480.00	\$69.00 =	\$14,352.00
6 8" diam. Gravity Sewer, 8'-10' Depth (DIP/CL-350)	LF	785	\$31.00 =	\$24,335.00	\$41.00 =	\$32,185.00	\$43.00 =	\$33,755.00	\$70.00 =	\$54,950.00	\$70.00 =	\$54,950.00
7 8" diam. Gravity Sewer, 10'-12' Depth (DIP/CL-350)	LF	458	\$34.00 =	\$15,572.00	\$45.00 =	\$20,610.00	\$43.00 =	\$19,694.00	\$80.00 =	\$36,640.00	\$71.00 =	\$32,518.00
8 8" diam. Gravity Sewer, 12'-14' Depth (DIP/CL-350)	LF	207	\$34.00 =	\$7,038.00	\$49.00 =	\$10,143.00	\$43.00 =	\$8,901.00	\$90.00 =	\$18,630.00	\$73.00 =	\$15,111.00
9 8" diam. Gravity Sewer, 14'-16' Depth (DIP/CL-350)	LF	242	\$36.00 =	\$8,712.00	\$58.00 =	\$14,036.00	\$43.00 =	\$10,406.00	\$100.00 =	\$24,200.00	\$74.00 =	\$17,908.00
10 8" diam. Gravity Sewer, 0'-6' Depth (PVC/SDR-35)	LF	60	\$25.00 =	\$1,500.00	\$28.00 =	\$1,680.00	\$33.00 =	\$1,980.00	\$38.00 =	\$2,280.00	\$63.50 =	\$3,810.00
11 8" diam. Gravity Sewer, 6'-8' Depth (PVC/SDR-35)	LF	1,791	\$25.00 =	\$44,775.00	\$30.00 =	\$53,730.00	\$33.00 =	\$59,103.00	\$43.00 =	\$77,013.00	\$64.00 =	\$114,624.00
12 8" diam. Gravity Sewer, 8'-10' Depth (PVC/SDR-35)	LF	1,710	\$25.00 =	\$42,750.00	\$33.00 =	\$56,430.00	\$33.00 =	\$56,430.00	\$48.00 =	\$82,080.00	\$65.00 =	\$111,150.00
13 8" diam. Gravity Sewer, 10'-12' Depth (PVC/SDR-35)	LF	1,061	\$26.00 =	\$27,586.00	\$37.00 =	\$39,257.00	\$33.00 =	\$35,013.00	\$60.00 =	\$63,660.00	\$69.00 =	\$73,209.00
14 8" diam. Gravity Sewer, 12'-14' Depth (PVC/SDR-35)	LF	318	\$26.00 =	\$8,268.00	\$41.00 =	\$13,038.00	\$33.00 =	\$10,494.00	\$63.00 =	\$20,034.00	\$66.00 =	\$20,988.00
15 4' Diam Manholes (All Depths)	EA	34	\$1,425.00 =	\$48,450.00	\$1,950.00 =	\$66,300.00	\$1,200.00 =	\$40,800.00	\$2,000.00 =	\$68,000.00	\$2,860.50 =	\$97,257.00
16 Pipe Bedding (NCDOT #57 Stone)	TN	870	\$18.00 =	\$15,660.00	\$17.00 =	\$14,790.00	\$25.00 =	\$21,750.00	\$19.75 =	\$17,182.50	\$24.00 =	\$20,880.00
17 Trench Rock Excavation	CY	30	\$65.00 =	\$1,950.00	75.00 =	\$2,250.00	50.00 =	\$1,500.00	65.00 =	\$1,950.00	85.00 =	\$2,550.00
18 Rip Rap Bank Stabilization & Right of Way Diversions (Per Crossing)	EA	2	\$2,500.00 =	\$5,000.00	2,500.00 =	\$5,000.00	3,000.00 =	\$6,000.00	4,375.00 =	\$8,750.00	2,100.00 =	\$4,200.00
19 Silt Fence	LF	5,000	\$3.00 =	\$15,000.00	\$4.00 =	\$20,000.00	\$3.00 =	\$15,000.00	\$3.25 =	\$16,250.00	\$0.10 =	\$500.00
20 Seeding	AC	6	\$1,300.00 =	\$7,800.00	\$1,300.00 =	\$7,800.00	\$1,000.00 =	\$6,000.00	\$2,500.00 =	\$15,000.00	\$2,400.00 =	\$14,400.00
21 18" Bore & Encasement	LF	180	\$180.00 =	\$32,400.00	\$180.00 =	\$32,400.00	\$300.00 =	\$54,000.00	\$445.00 =	\$80,100.00	\$326.00 =	\$58,680.00
22 Asphalt Repair	SY	15	\$70.00 =	\$1,050.00	\$50.00 =	\$750.00	\$60.00 =	\$900.00	\$120.00 =	\$1,800.00	\$60.00 =	\$900.00
23 Sleeve DIP & PVC Connection	EA	2	\$600.00 =	\$1,200.00	\$300.00 =	\$600.00	\$500.00 =	\$1,000.00	\$155.00 =	\$310.00	\$721.00 =	\$1,442.00
24 4" Services	EA	8	\$500.00 =	\$4,000.00	\$1,000.00 =	\$8,000.00	\$500.00 =	\$4,000.00	\$495.00 =	\$3,960.00	\$1,350.00 =	\$10,800.00
25 6" Services	EA	8	\$550.00 =	\$4,400.00	\$1,050.00 =	\$8,400.00	\$600.00 =	\$4,800.00	\$525.00 =	\$4,200.00	\$1,445.00 =	\$11,560.00
26 8" Stubouts (10 LF Pipe, MJ Plug)	EA	3	\$600.00 =	\$1,800.00	\$600.00 =	\$1,800.00	\$1,000.00 =	\$3,000.00	\$550.00 =	\$1,650.00	\$1,166.00 =	\$3,498.00
<b>TOTAL PHASE II (No. 2 through 26)</b>				<b>\$343,812.00</b>	*	<b>\$434,311.00</b>	*	<b>\$439,274.00</b>	**	<b>\$636,159.50</b>		<b>\$714,591.00</b>

**BID TABULATION**  
**Mills River Sanitary Sewer Projects - Phase II and III continued**  
**Henderson County - WGLA#00112**

ITEM	UNITS	QTY	H & M Constructors		Terry Brothers		Central Builders		Haren Construction		Buckeye Construction		
			UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	
<b>PHASE III</b>													
27	Clear & Grub	LS	1	\$9,800.00 =	\$9,800.00	\$9,000.00 =	\$9,000.00	\$1,000.00 =	\$1,000.00	\$10,000.00 =	\$10,000.00	\$18,000.00 =	\$18,000.00
28	8" (DIP/CL-350), 0'-6' Depth	LF	334	\$31.00 =	\$10,354.00	\$36.00 =	\$12,024.00	\$43.00 =	\$14,362.00	\$62.00 =	\$20,708.00	\$69.50 =	\$23,213.00
29	8" (DIP/CL-350), 6'-8' Depth	LF	735	\$31.00 =	\$22,785.00	\$38.00 =	\$27,930.00	\$43.00 =	\$31,605.00	\$75.00 =	\$55,125.00	\$70.50 =	\$51,817.50
30	8" (DIP/CL 350), 8'-10' Depth	LF	496	\$31.00 =	\$15,376.00	\$41.00 =	\$20,336.00	\$43.00 =	\$21,328.00	\$82.00 =	\$40,672.00	\$71.00 =	\$35,216.00
31	12" (DIP/CL 350), 0'-6' Depth	LF	235	\$42.00 =	\$9,870.00	\$43.00 =	\$10,105.00	\$53.00 =	\$12,455.00	\$82.00 =	\$19,270.00	\$78.00 =	\$18,330.00
32	12" (DIP/CL 350), 6'-8' Depth	LF	922	\$42.00 =	\$38,724.00	\$46.00 =	\$42,412.00	\$53.00 =	\$48,866.00	\$92.00 =	\$84,824.00	\$79.00 =	\$72,838.00
33	12" (DIP/CL 350)8'-10' Depth	LF	492	\$44.00 =	\$21,648.00	\$49.00 =	\$24,108.00	\$53.00 =	\$26,076.00	\$107.00 =	\$52,644.00	\$80.00 =	\$39,360.00
34	12" (DIP/CL 350), 10'-12' Depth	LF	93	\$44.00 =	\$4,092.00	\$53.00 =	\$4,929.00	\$53.00 =	\$4,929.00	\$117.00 =	\$10,881.00	\$82.00 =	\$7,626.00
35	8" (PVC/SDR-35) , 0'-6' Depth	LF	595	\$25.00 =	\$14,875.00	\$29.00 =	\$17,255.00	\$33.00 =	\$19,635.00	\$47.00 =	\$27,965.00	\$60.50 =	\$35,997.50
36	8" (PVC/SDR-35), 6'-8' Depth	LF	190	\$25.00 =	\$4,750.00	\$31.00 =	\$5,890.00	\$33.00 =	\$6,270.00	\$52.00 =	\$9,880.00	\$62.00 =	\$11,780.00
37	8" (PVC/SDR-35), 8'-10' Depth	LF	142	\$25.00 =	\$3,550.00	\$34.00 =	\$4,828.00	\$33.00 =	\$4,686.00	\$62.00 =	\$8,804.00	\$63.00 =	\$8,946.00
38	8" (PVC/SDR-35), 10'-12' Depth	LF	109	\$27.00 =	\$2,943.00	\$38.00 =	\$4,142.00	\$33.00 =	\$3,597.00	\$82.00 =	\$8,938.00	\$64.00 =	\$6,976.00
39	8" (PVC/SDR-35), 12'-14' Depth	LF	131	\$27.00 =	\$3,537.00	\$42.00 =	\$5,502.00	\$33.00 =	\$4,323.00	\$90.00 =	\$11,790.00	\$66.50 =	\$8,711.50
40	12" (PVC/SDR-35) , 0'-6' Depth	LF	721	\$30.00 =	\$21,630.00	\$34.00 =	\$24,514.00	\$43.00 =	\$31,003.00	\$75.00 =	\$54,075.00	\$65.00 =	\$46,865.00
41	12" (PVC/SDR-35), 6'-8' Depth	LF	875	\$30.00 =	\$26,250.00	\$37.00 =	\$32,375.00	\$43.00 =	\$37,625.00	\$80.00 =	\$70,000.00	\$66.00 =	\$57,750.00
42	12" (PVC/SDR-35) , 8'-10' Depth	LF	702	\$30.00 =	\$21,060.00	\$40.00 =	\$28,080.00	\$43.00 =	\$30,186.00	\$90.00 =	\$63,180.00	\$68.00 =	\$47,736.00
43	12" (PVC/SDR-35), 10'-12' Depth	LF	879	\$31.00 =	\$27,249.00	\$44.00 =	\$38,676.00	\$43.00 =	\$37,797.00	\$105.00 =	\$92,295.00	\$69.00 =	\$60,651.00
44	4' Diam Manholes (All Depths)	EA	42	\$1,425.00 =	\$59,850.00	1,750.00 =	\$73,500.00	1,200.00 =	\$50,400.00	2,000.00 =	\$84,000.00	2,860.50 =	\$120,141.00
45	8" Stubouts (10 LF Pipe, MJ Plug)	EA	3	\$600.00 =	\$1,800.00	\$600.00 =	\$1,800.00	\$1,000.00 =	\$3,000.00	\$540.00 =	\$1,620.00	\$1,166.00 =	\$3,498.00
46	Pipe Bedding (NCDOT #57 Stone)	TN	933	\$18.00 =	\$16,794.00	17.00 =	\$15,861.00	25.00 =	\$23,325.00	19.75 =	\$18,426.75	24.00 =	\$22,392.00
47	Trench Rock Excavation	CY	400	\$35.00 =	\$14,000.00	\$75.00 =	\$30,000.00	\$50.00 =	\$20,000.00	\$50.00 =	\$20,000.00	\$72.00 =	\$28,800.00
48	Manhole Vents	EA	3	\$1,250.00 =	\$3,750.00	1,450.00 =	\$4,350.00	700.00 =	\$2,100.00	1,075.00 =	\$3,225.00	1,740.00 =	\$5,220.00
49	Rip Rap Bank Stabilization and Right of Way Diversions (Per Crossing)	EA	1	\$2,500.00 =	\$2,500.00	\$2,500.00 =	\$2,500.00	\$3,000.00 =	\$3,000.00	\$3,450.00 =	\$3,450.00	\$2,100.00 =	\$2,100.00
50	Silt Fence	LF	5,500	\$3.00 =	\$16,500.00	\$4.00 =	\$22,000.00	\$3.00 =	\$16,500.00	\$3.25 =	\$17,875.00	\$0.10 =	\$550.00
51	Seeding	AC	7	\$1,300.00 =	\$9,100.00	\$1,300.00 =	\$9,100.00	\$1,000.00 =	\$7,000.00	\$2,500.00 =	\$17,500.00	\$2,400.00 =	\$16,800.00
52	NCDOT Gravel Repair	SY	15	\$100.00 =	\$1,500.00	\$20.00 =	\$300.00	\$50.00 =	\$750.00	\$11.75 =	\$176.25	\$8.50 =	\$127.50
53	Asphalt Repair	SY	134	\$70.00 =	\$9,380.00	\$36.00 =	\$4,824.00	\$60.00 =	\$8,040.00	\$75.00 =	\$10,050.00	\$18.00 =	\$2,412.00
54	21" Bore & Encasement	LF	230	\$205.00 =	\$47,150.00	\$215.00 =	\$49,450.00	\$360.00 =	\$82,800.00	\$290.00 =	\$66,700.00	\$238.50 =	\$54,855.00
55	18" Bore & Encasement	LF	50	\$180.00 =	\$9,000.00	\$180.00 =	\$9,000.00	\$300.00 =	\$15,000.00	\$435.00 =	\$21,750.00	\$327.00 =	\$16,350.00
56	Sleeve DIP & PVC pipe connection	EA	1	\$600.00 =	\$600.00	\$300.00 =	\$300.00	\$500.00 =	\$500.00	\$180.00 =	\$180.00	\$732.00 =	\$732.00
57	Anti-Seep Collars	EA	2	\$800.00 =	\$1,600.00	\$1,500.00 =	\$3,000.00	\$200.00 =	\$400.00	\$450.00 =	\$900.00	\$600.00 =	\$1,200.00
58	6" Services	EA	25	\$400.00 =	\$10,000.00	\$1,050.00 =	\$26,250.00	\$600.00 =	\$15,000.00	\$525.00 =	\$13,125.00	\$1,445.00 =	\$36,125.00
<b>TOTAL Phase III (No. 27 through 58)</b>					<b>\$462,017.00</b>		<b>\$564,341.00</b>		<b>\$583,558.00</b>		<b>\$920,029.00</b>		<b>\$863,116.00</b>

**TOTAL BID (No. 1 through 58)**

**\$818,329.00**

**\$1,017,652.00**

**\$1,042,832.00**

**\*\* \$1,586,188.50**

**\$1,598,107.00**

\* Subtotal includes item #1

\* Subtotal includes item #1

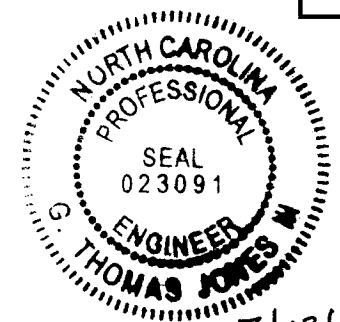
\*\* addition error

This is to certify that bids tabulated herein were publicly opened and read aloud at 2:00 p.m. on the 12th day of July, 2005, at the Henderson County land Development Building and that said bids were accompanied by Bidder's Bond and Minority Business Participation Forms.

Certified by:



William G. Lapsley & Associates, P.A.



**RESOLUTION MAKING TENTATIVE AWARD OF BIDS FOR THE MILLS  
RIVER SANITARY SEWER PROJECT, PHASE I**

**WHEREAS**, the Henderson County Board of Commissioners has determined, on behalf of the Cane Creek Water and Sewer District, hereinafter "CCWSD", that an interceptor sewer project to serve the Mills River area of Henderson County would be in accordance with the existing plans and studies in for the provision of sewer services; and

**WHEREAS**, Henderson County contracted with William G. Lapsley and Associates, hereinafter "WGLA", for the design of the sewer interceptor project, Phase I, II and III, to serve the Mills River area, and associated bidding and contract administration; and

**WHEREAS**, the sewer interceptor project Mills River Sanitary Sewer Project Phases II and III were designed by WGLA, and was approved by the Henderson County Board of Commissioners on behalf of the CCCWSD, being more particularly described in the Henderson County Mills River Sanitary Sewer Projects, Phases II and III, Contract Documents and Specifications, dated May 23, 2005; and

**WHEREAS**, the Mills River Sanitary Sewer Project has been submitted to and approved by all appropriate Federal and State agencies; and

**WHEREAS**, bids were received and opened for Phases II and III of the Mills River Sanitary Sewer Project on July 12, 2005 at 2:00 p.m. in the Henderson County Utilities Office at 101 East Allen Street, Hendersonville, North Carolina; and

**WHEREAS**, Henderson County on behalf of the CCWSD has accepted a grant from the Federal Government in the amount of \$1,451,800 and a grant from the N.C. Clean Water Management Trust Fund in the amount of \$500,000 for the Mills River Sanitary Sewer Projects, Phase I Interceptor and Phase II & III for collector sanitary sewers, and

**WHEREAS**, the Henderson County Board of Commissioners is desirous of making a tentative award of bid to the lowest responsive, responsible bidder on behalf of CCWSD;

**NOW THEREFORE BE IT RESOLVED as follows:**

1. The bid submitted by the firm of H & M Constructors, subsidiary of MB Haynes Corporation, is hereby declared to the lowest responsive responsible bid received for Phases II and III of the Mills River Sanitary Sewer Project.
2. The bid for Phases II and III Mills River Sanitary Sewer Project in the amount of \$818,329.00 is hereby tentatively awarded to the firm of H & M Constructors, subsidiary of MB Haynes Corporation, for the completion of Phases II and III of

the Mills River Sanitary Sewer Project, said award being conditioned upon the final approval of the bid by the necessary Federal and/or State Agencies.

3. This bid award shall be deemed final, and the Chairman, Clerk to the Board, County Manager, County Engineer, County Attorney, and other County staff shall be authorized to execute a contract with the firm of H& M Constructors, subsidiary of MB Haynes Corporation, upon the receipt of the final written approval of the bid by the North Carolina Department of Environment and Natural Resources, Division of Water Quality, and to take any and all other actions necessary to accomplish the construction of Phases II and III of the Mills River Sanitary Sewer Project.

**THIS** the 20th day of July, 2005.

**THE HENDERSON COUNTY BOARD OF COMMISSIONERS**

**BY:** \_\_\_\_\_  
**William L. Moyer, Chairman**

**Attest:**       **(County Seal)**

\_\_\_\_\_  
**Elizabeth W. Corn, Clerk to the Board**