

CLAYTON COUNTY WATER AUTHORITY

1600 Battle Creek Road
Morrow, Georgia 30260

Regular Board Meeting September 5, 2002

Chairman McQueen called the meeting to order at 1:30 p.m.

Present at the meeting were: Chairman, Pete McQueen, Vice Chairman, Lloyd Joiner, Secretary/Treasurer, Lindy Rogers, Board Members, Marie Barber, Wesley E. Greene, Sr., J. Alan Horton and Robbie Moore, Jr., General Manager, M. Wade Brannan, Deputy Manager, Terry R. Hicks, Department Managers, Frank Conort, Neal Wellons, Dennis Hammock, Herbert Etheridge, Jr., Guy Pihera and Mike Thomas, Executive Secretary, Patricia Groover, Assistant Manager of Administration, Scott Bailey, Project Manager, Mike Buffington, Administrative Secretary, Dianne Hammock, Human Resources Director, Ed Durham, Contract & Procurement Administrator, Karen Riser, Information Services Supervisor, Rodney Crowell, Maintenance Coordinator, Tony Ferrari, Lead Maintenance Mechanic, Phillip Tittle, Supervisor Freeman Road WPP, Mike Gaylor, Supervisor J.W. Smith WPP, Barry Brand, Water Production Plant Operators, Lee Toreno, Chuck Jones, Rocky Autry and Keith Lowry, Supervisor W.B. Casey WRF, Gary Curtis, Supervisor Water Reclamation Lab, Jim Poff, Supervisor Shoal Creek WRF, Curtis Price, Water Reclamation Plant Operators, Hilton Texidor and Robert Cloud, Pipeline Construction Foreman, Dennis Clements and Customer Service Representative, Vicci Brooks. Also present were: Steve Fincher, Fincher & Hecht, L.L.C., Rick Hirsekorn, of CH2M Hill, Chris Wood, of Jim Wood & Associates Public Relations, Visitors, Bill Johnston, Banc of America Securities and Pat Melton, Insituform.

Chairman McQueen called on Vicci Brooks, Customer Service Representative, to give the invocation.

Chairman McQueen called for any omissions or additions to the minutes of the regular and executive board meeting on August 1, 2002 and called committee meeting on August 27, 2002, hearing none these minutes stand approved as presented.

Financial and Statistical Report: Chairman McQueen called on Frank Conort, Manager of Administration, who presented the monthly financial and statistical report. There was discussion concerning this information with questions that Mr. Conort answered and gave additional information. This report was received for information.

Mr. Conort called on Scott Bailey, Assistant Manager of Administration, to give the Board additional information on the Authority's financial trend analysis. Mr. Bailey discussed the information shown on the Clayton County Water Authority FY 2002A Actual Operating Revenues vs. Actual Operating Expenses Through July 2002 and FY 2002A Projected Revenues vs. Expenses by Month Actual Through July graphs that were distributed to the Board.

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Water Production Employee & Plant Recognition: Chairman McQueen called on Guy Pihera, Manager of Water Production, who discussed the following Water Production Employee and Plant Recognition information that was distributed to the Board. Mr. Pihera introduced Keith Lowry, Lee Toreno, Chuck Jones and Rocky Autry and gave recognition to these four water production operators for completing requirements to obtain State Certification for a Class III Water Plant Operator. Mr. Pihera introduced Mike Gaylor, Supervisor Freeman Road WPP, Barry Brand, Supervisor J.W. Smith WPP and stated that Steven Tarpley, Supervisor W.J. Hooper WPP was unable to attend the board meeting. Mr. Pihera stated that all three of the Authority's Water Production Plants received Georgia Water and Pollution Control Association Awards (GW&PCA). Mr. Pihera stated that he would like to give recognition to each of these Water Production Plant supervisors and employees for their hard work and dedication, which contributed to the J.W. Smith, Freeman Road WPP and W.J. Hooper WPP receiving the GW&PCA "Gold Awards" and the Freeman Road WPP receiving the GW&PCA "Best Operated Plant Award". Chairman McQueen stated that on behalf of the Board that he appreciates all of the time and effort required by each of these employees in order to acquire certification and plant awards.

WATER PRODUCTION EMPLOYEE AND PLANT RECOGNITION
Georgia Water and Pollution Control Association Awards

The J.W. Smith, Wm. J. Hooper and Freeman Road Water Production Plants all received "Gold Awards" These are presented to plants that met all permit requirements for the entire year.

The Freeman Road Water Production Plant received the "Best Operated Plant Award" for the 3 to 14.9 MGD size category. Only one awards is presented for each size category.

Employee Recognition

Lee Toreno, Chuck Jones, Rocky Autry and Keith Lowry all passed Class III Water Operator certification exams. These gentlemen transferred from different positions within CCWA and passed the exams on their first attempt.

Chairman McQueen called on Guy Pihera, Manager of Water Production, to update the Board on the status of the Authority's water production and raw water reserve. Mr. Pihera discussed the information shown on the Water Supply Weekly Update for September 2, 2002 that was distributed to the Board. Mr. Pihera stated that the Authority's raw water reserve is at 73% capacity. Mr. Pihera stated that during the same time period last year the Authority's raw water reserve was at 89%. Mr. Pihera stated that the difference in raw water capacity this year compared to last year can be attributed to the lack of rainfall. Mr. Pihera stated that the option of purchasing water is being considered which would allow the Authority to retain some of our raw water reserve. Mr. Pihera stated that the Authority's finished water demand is leveling off. There was discussion with questions concerning the Authority providing finished water to other surrounding counties. Mr. Pihera answered questions and gave additional information.

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Water Reclamation Employee & Plant recognition: Chairman McQueen called on Neal Wellons, Manager of Water Reclamation, who discussed the following Water Reclamation Employee and Plant Recognition information that was distributed to the Board. Mr. Wellons introduced Robert Cloud and Hilton Texidor and gave recognition to these two plant operators for completing State requirements to obtain a Class I Water Reclamation Plant Operator Certification. Mr. Wellons gave additional information and recognition to each of these employees concerning the excellent job that both are doing for the Authority. Mr. Wellons introduced Gary Curtis, Supervisor of the W.B. Casey WRF and gave recognition to Mr. Curtis for receiving the Georgia Water and Pollution Control Association (GWPCA) N.M. DeJarnette Award. Mr. Wellons stated that Mr. Curtis received this award for the outstanding job that he does for the Authority and other County Authority's by instructing and providing training classes for water and water reclamation operators. Mr. Wellons stated that two of the Authority's Water Reclamation Facilities received GW&PCA "Gold Awards". Mr. Wellons introduced Curtis Price, Supervisor Shoal Creek WRF and stated that David Smith, Supervisor R.L. Jackson WRF was unable to attend the board meeting. Mr. Wellons gave recognition to each of these Water Reclamation Facilities supervisors and employees for their hard work and dedication, which contributed to the Shoal Creek and R.L. Jackson receiving the GW&PCA "Gold Awards". Mr. Wellons stated that the Authority also received recognition at the GW&PCA Conference for having one of the best Public Education Programs in the state. Mr. Wellons introduced Jim Poff, Supervisor Water Reclamation Lab and gave recognition to Mr. Poff for being in charge of documenting the Authority's Public Education Program information and for submitting this documentation to the state. Mr. Brannan recognized Neal Wellons for receiving a lifetime GW&PCA Honorary Membership and stated that there are very few people in the state that have received this award. Mr. Brannan gave additional information on how important Mr. Wellons is to the Authority and the impact that he has had on the Authority and the GW&PCA. Mr. Brannan stated that he would also like to recognize Mike Thomas who was selected as the Second Vice President of the GW&PCA and indicated that in five years Mr. Thomas would become the President of the GW&PCA. Chairman McQueen stated that on behalf of the Board that he appreciates each of these employees.

WATER RECLAMATION EMPLOYEE AND PLANT RECOGNITION
Georgia Water and Pollution Control Association Awards

The R.L. Jackson and Shoal Creek Water Reclamation Facilities both received the "Gold Awards" presented to plants that met all permit requirements for the entire year.

Neal Wellons, Manager of the Water Reclamation Department, received a lifetime GW&PCA Honorary Membership for being a person of acknowledged eminence in one or more fields of activity within the scope of the stated objectives of the Association.

Gary Curtis, Supervisor of the W.B. Casey WRF, received the N.M. DeJarnette Award for performing outstanding service in instructing and training other operators.

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Employee Recognition

Hilton Texidor and Robert Cloud, Plant Operators, passed their Class 1 Water Reclamation Certification.

Chairman McQueen gave the Board information concerning a letter received by the Authority from a customer stating what an excellent job William Warren, Sewer Service Mechanic, did to help her resolve a sewer related problem.

Statewide Rate Study Presentation: Chairman McQueen called on Bill Johnston, Banc of America Securities, who distributed copies of the State of Georgia Water and Sewerage Systems Rate Comparisons for the year 2002/2003. Mr. Johnston discussed the information shown in this report. Mr. Johnston stated that out of 178 systems surveyed in Georgia the Authority's total monthly water and sewerage cost ranks #78, which is only 3.73% above the statewide average. Mr. Johnston stated that this indicates the Authority has a lot of rate flexibility which rating agencies look favorably upon at rating time. Mr. Brannan stated that CH2M Hill with help from Rick Hirsekorn along with the Authority's Board and staff has been instrumental in keeping the Authority ahead of other systems in plant improvements and upgrades. Mr. Brannan stated that when the other systems that now have lower rates than the Authority are forced into making improvements to their system the cost of these improvements would greatly impact their systems' rates. Mr. McQueen thanked Mr. Johnston for preparing this information for the Authority and that he appreciates CH2M Hill along with the Authority's Board and staff keeping the Authority ahead of other systems.

Health Insurance Recommendation: Chairman McQueen called on Ed Durham, Human Resources Director, who discussed the following Authority employee health insurance information that was distributed to the Board. Mr. Lloyd Joiner, Board Member, stated that because of his association with Starr Insurance Agency he is abstaining from any discussion and vote regarding the Authority's employee health insurance. Mr. Durham called on Robbie Moore, Chairman of the Board appointed Health Insurance Committee, who stated that after talking with Authority employees it is the opinion of the committee that Authority employees are happy with the Authority's current health insurance provider Blue Cross/Blue Shield. Mr. Moore stated that the seven (7) month quote from Blue Cross/Blue Shield is very competitive with quotes received from other health insurance providers. Mr. Moore stated that it is the recommendation of the Board appointed Health Insurance Committee that the Authority's contract with Blue Cross/Blue Shield to provide the Authority's employee health insurance coverage be renewed for a 7-month period. Mr. Greene gave the Board information concerning the excellent service and number of doctors that Blue Cross/Blue Shield provides to the Authority. Mr. Greene stated that he concurs with the decision of the Health Insurance Committee that the Authority contract with Blue Cross/Blue Shield should be extended for an additional seven (7) months.

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2002 HEALTH INSURANCE RECOMMENDATION

Following are the health insurance quotes that you requested in the August board meeting. All rates given reflect only the employer paid portion of the premium. Your instructions were to solicit 7, 12, and 19-month quotes from companies that would be comparable to our current carrier, Blue Cross/Blue Shield. Only 2 vendors, Blue Cross/Blue Shield and United Healthcare, were willing to provide a 7-month quote. The other carriers declined due to the short-term length of the contract, which would not provide an adequate period to recover their administrative costs for the plan. Of the 2 carriers that did provide 7-month quotes, Blue Cross/Blue Shield submitted the lowest quote.

The 12-month quote sheet is from 4 vendors, Blue Cross/Blue Shield, United Healthcare, CIGNA, and Humana. Although BC/BS did not provide the lowest quote in this scenario, we still believe that they would be the best choice due to the strength of their coverage and their network of providers. United Healthcare does not have a standard PPO coverage option but instead a hybrid HMO, which has reduced in-network benefits. Humana has a limited network of providers with no doctor or hospital coverage in Spaulding County. None of the carriers were willing to submit a 19-month quote.

Lastly, a request was also made by the Board, that we ask the carriers to quote their HMO plans separately from their PPO plans so that each would bear the burden of their own loss experience. None of the carriers were willing to provide a quote that was not based on a blended rate. They cited an inability to provide this rate information due to restrictions of their actuarial tables.

It is our recommendation that we renew our contract with Blue Cross/Blue Shield for a 7-month period, which will align our next renewal with our fiscal year beginning in May 2003. This will make it possible for us to properly budget our health insurance premiums each year. The employees of Clayton County Water Authority have made it very clear to our Human Resources staff that BC/BS is their provider of choice due to their large network of hospitals and doctors, and the service that they have provided over the past year.

2002 Medical Renewal Proposed 7 Month Figures Employer Costs

CURRENT BC/BS		BC/BS – PROPOSED				UNITED HEALTHCARE – PROPOSED			
HMO	CURRENT RATES	PROPOSED RATES	VARIANCE (IN MONTHLY \$)	# CURRENTLY ON PLAN	7-MONTH DIFFERENCE	PROPOSED RATES	VARIANCE (IN MONTHLY \$)	# CURRENTLY ON PLAN	7-MONTH DIFFERENCE
Emp Only	\$213.10	\$253.59	\$40.49	143	\$40,530.49	\$259.09	\$45.99	163	\$52,474.59
Emp/Spouse	\$340.94	\$405.73	\$64.79	44	\$19,955.32	\$414.55	\$73.61	58	\$29,885.66
Emp/Children	\$315.38	\$375.30	\$59.92	41	\$17,197.04	\$383.46	\$68.08	43	\$20,492.08
Family	\$443.22	\$527.44	\$84.22	90	\$53,058.60	\$538.92	\$95.70	92	\$61,630.80

Total \$130,741.45

Total \$164,483.13

PPO	CURRENT RATES	PROPOSED RATES	VARIANCE (IN MONTHLY \$)	# CURRENTLY ON PLAN	7-MONTH DIFFERENCE	PROPOSED RATES	VARIANCE (IN MONTHLY \$)	# CURRENTLY ON PLAN	7-MONTH DIFFERENCE
Emp Only	\$291.84	\$347.29	\$55.45	20	\$7,763.00	\$0.00	-\$291.84	0	\$0.00

Emp/Spouse	\$419.68	\$499.43	\$79.75	14	\$7,815.50	\$0.00	-\$419.68	0	\$0.00
Emp/Children	\$394.10	\$469.00	\$74.90	2	\$1,048.60	\$0.00	-\$394.10	0	\$0.00
Family	\$521.96	\$621.14	\$99.18	2	\$1,388.52	\$0.00	-\$521.96	0	\$0.00

Total \$18,015.62

Total \$0.00

Grand Total \$148,757.07

Grand Total \$164,483.13

**2002 Medical Renewal Proposed 12-Month Figures
Employer Costs**

Current BC/BS		BC/BS Posed				United Healthcare - Posed			
HMO	CURRENT RATES	PROPOSED RATES	VARIANCE (IN MONTHLY \$)	# CURRENTLY ON PLAN	ANNUALIZED DIFFERENCE	PROPOSED RATES	VARIANCE (IN MONTHLY \$)	# CURRENTLY ON PLAN	ANNUALIZED DIFFERENCE
Emp Only	\$213.10	\$287.69	\$74.59	143	\$127,996.44	\$276.75	\$63.65	163	\$124,499.40
Emp/Spouse	\$340.94	\$460.28	\$119.34	44	\$63,011.52	\$442.80	\$101.86	58	\$70,894.56
Emp/Children	\$315.38	\$425.76	\$110.38	41	\$54,306.96	\$409.59	\$94.21	43	\$48,612.36
Family	\$443.22	\$598.35	\$155.13	90	\$167,540.40	\$575.64	\$132.42	92	\$146,191.68

Total \$412,855.32

Total \$390,198.00

PROPOSED RATES	VARIANCE (IN MONTHLY \$)	# CURRENTLY ON PLAN	ANNUALIZED DIFFERENCE	PROPOSED RATES	VARIANCE (IN MONTHLY \$)	# CURRENTLY ON PLAN	ANNUALIZED DIFFERENCE
\$296.61	\$83.51	143	\$143,303.16	\$258.80	\$45.70	143	\$78,421.20
\$474.58	\$133.64	44	\$70,561.92	\$414.14	\$73.20	44	\$38,649.60
\$438.98	\$123.60	41	\$60,811.20	\$383.08	\$67.70	41	\$33,308.40
\$616.94	\$173.72	90	\$187,617.60	\$538.39	\$95.17	90	\$102,783.60

Total \$462,293.88

Total \$253,162.80

PPO	CURRENT RATES	PROPOSED RATES	VARIANCE (IN MONTHLY \$)	# CURRENTLY ON PLAN	ANNUALIZED DIFFERENCE	PROPOSED RATES	VARIANCE (IN MONTHLY \$)	# CURRENTLY ON PLAN	ANNUALIZED DIFFERENCE
Emp Only	\$291.84	\$393.98	\$102.14	20	\$24,513.60	\$0.00	-\$291.84	0	\$0.00
Emp/Spouse	\$419.68	\$566.57	\$146.89	14	\$24,677.52	\$0.00	-\$419.68	0	\$0.00
Emp/Children	\$394.10	\$532.05	\$137.95	2	\$3,310.80	\$0.00	-\$394.10	0	\$0.00
Family	\$521.96	\$704.64	\$182.68	2	\$4,384.32	\$0.00	-\$521.96	0	\$0.00

Total \$56,886.24

Total \$0.00

Grand Total \$469,741.56

Grand Total \$390,198.00

PROPOSED RATES	VARIANCE (IN MONTHLY \$)	# CURRENTLY ON PLAN	ANNUALIZED DIFFERENCE	PROPOSED RATES	VARIANCE (IN MONTHLY \$)	# CURRENTLY ON PLAN	ANNUALIZED DIFFERENCE
\$487.76	\$195.92	20	\$47,020.80	\$357.18	\$65.34	20	\$15,681.60
\$665.73	\$246.05	14	\$41,336.40	\$512.52	\$92.84	14	\$15,597.12
\$630.13	\$236.03	2	\$5,664.72	\$481.46	\$87.36	2	\$2,096.64
\$808.09	\$286.13	2	\$6,867.12	\$636.77	\$114.81	2	\$2,755.44

Total \$100,889.04

Total \$36,130.80

Grand Total \$563,182.92

Grand Total \$289,293.60

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Upon Motion by Robbie Moore and seconded by Wes Greene it was

RESOLVED: to accept the 7-month renewal proposal from Blue Cross/Blue Shield and that the Authority's contract with Blue Cross/Blue Shield to provide the Authority's employee health insurance coverage be renewed for an additional 7-month period and that the Authority's health insurance coverage be put out for bid at the end of this seven month renewal period. This motion passed with Lloyd Joiner abstaining from the vote.

Purchase of Aeration Blowers for Northeast WRF: Chairman McQueen called on Neal Wellons, Manager of Water Reclamation, who presented information to the Board concerning the need for two additional Aerzen brand aeration blowers at the Authority's Northeast WRF. Mr. Wellons discussed the following Purchase of Aeration Blowers for Northeast WRF information that was distributed to the Board. Mr. Wellons stated that he is requesting the Board to approve the purchase of two Aerzen brand aeration blowers at a cost of forty five thousand eighty dollars (\$45,080). There was discussion concerning this information.

PURCHASE OF AERATION BLOWERS FOR NORTHEAST WRF

Growth in the Northeast basin has added more wastes to the Northeast facility with the corresponding need for more aeration capacity. The increased aeration will help remove nitrogen, phosphorus and biochemical oxygen demand in order for the facility to continue to meet permit.

The facility already uses twelve Aerzen brand blowers for aeration. We are requesting two more to be coupled with an already approved aeration upgrade. Previously, we considered moving two blowers from Shoal Creek since it is under loaded at present. After further evaluation, we would like to proceed with the purchase of new blowers to eliminate the need for additional electrical and mechanical work that would be required to remove, transport and reconnect the Shoal Creek blowers at Northeast and install replacement blowers when later required at Shoal Creek.

The cost for these two blowers will be \$ 45,080.

Upon Motion by Lindy Rogers and seconded by Marie Barber it was unanimously

RESOLVED: to approve the purchase of two Aerzen brand aeration blowers for the Authority's Northeast WRF for a total cost for both blowers of forty five thousand eighty dollars (\$45,080).

ADS Meter Contract: Chairman McQueen called on Herbert Etheridge, Manager of Maintenance & Construction, who gave the Board a brief report on the Authority's ongoing leak detection program for unaccounted water loss. Mr. Etheridge stated that the Authority's unaccounted water loss was at 11% last month, which is a good percentage but that the Authority leak detection crew is working towards getting this number down

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to 10%. Mr. Etheridge gave the Board information including a slide presentation on the Authority's meter-testing program. Mr. Etheridge stated that all of the Authority's meters tested in the last twelve months averaged 98% accuracy on residential meters and 98.9% accuracy on commercial meters. Mr. Etheridge stated that the Authority's meters are in excellent condition. Mr. Etheridge stated that the America Water Works Association (AWWA) is in the process of coming up with a standardized way for all water systems to report unaccounted water losses. Mr. Etheridge stated that the Authority has been chosen by the AWWA to give a presentation on the Authority's leak detection program at the AWWA Distribution Conference. There was discussion concerning this information.

Mr. Etheridge then gave the Board information concerning the Authority renewing its contract for one year with ADS Environmental Services to provide comprehensive field service and data analysis for the Authority's three ADS Model 4000tm monitors. Mr. Etheridge gave the Board information on the Authority's water and wastewater connections with Fulton and DeKalb Counties showing on maps the location of these connections and monitors. Mr. Etheridge gave the Board information on the Authority's five-year contract with ADS Environmental Services and stated that the service that ADS Environmental Services provides to the Authority is very sophisticated and that the Authority has complete confidence in ADS Environmental Services to continue providing the same quality service. Mr. Etheridge stated that he is asking the Board to approve renewing the Authority's contract with ADS Environmental Services for an additional twelve (12) months. There was discussion concerning this information.

**ADS Environmental Services
Annual Comprehensive Service and Data Analysis Contract**

Pricing for a twelve (12) month comprehensive service and data analysis contract for the Clayton County Water Authority's existing ADS flow monitoring network.

As set forth in the enclosed agreement, ADS Environmental Services ("ADS") will provide full comprehensive field service and data analysis for Clayton County Water Authority's three (3) ADS Model 4000tm monitors for a price of \$797.50/month/each. A data report for the sites will be provided monthly; this report will include monthly hydrographs and long tables. Additionally, the monthly report will include a capacity analysis for each of the three sites.

DeKalb Finalization

All of the Authority's flows into DeKalb are treated at the Snapfinger WWTP.

ADD

DeKalb Metering Station (DK9)	Total Flow 36,850,000
gals. = 1,228,333.3 average gals. per day	
Atlanta processing area (Supplied by Morris Kelly)	Total Flow 1,322,000 gals. =
44066.66 average gals. per day	
Lakeside Mobile Home Park (CCWA ADS Meter)	Total Flow <u>821,000 gals. =</u>
<u>27,366.66 average gals. per day</u>	

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TOTAL FLOW 38,993,000

gals. = 1,299,766.6 average gals. per day

SUBTRACT

Cherokee Trail (CCWA ADS Meter)
= 87,466.66 average gals. per day

Total Flow 2,624,000 gals.

TOTAL ADJUSTED CLAYTON FLOW INTO DEKALB 36,369,000 gals. = 1,212,300 average gals. per day

CCWA paid \$0.70 per 1000 gals. to DeKalb in fiscal year 2001. This equates to 4.94% of total flow into the Snapfinger WWTP

Upon Motion by Lindy Rogers and seconded by Lloyd Joiner it was unanimously

RESOLVED: to authorize the Authority to renew the contract with ADS Environmental Services for an additional twelve (12) months to provide full comprehensive field service and data analysis for the Authority's three (3) ADS Model 4000tm monitors at a cost of seven hundred ninety seven dollars and fifty cents (\$797.50) per month for each monitor.

W.J. Hooper WPP 16" Water Line Replacement: Chairman McQueen called on Herbert Etheridge, Manager of Maintenance & Construction, who gave an informational slide presentation and discussed the following information concerning the recently completed W.J. Hooper WPP 16" water main replacement project. Mr. Etheridge stated that the total estimated project cost was seven hundred fifty eight thousand three hundred twenty four dollars and twenty-seven cents (\$758,324.27) and that the final cost was six hundred forty seven thousand eight hundred ninety two dollars and two cents (\$647,892.02) which is a one hundred ten thousand four hundred thirty two dollars and twenty-five cents (\$110,432.25) savings to the Authority. Mr. Etheridge introduced Dennis Clements, Pipeline Construction Foreman, and gave the Board background information concerning Mr. Clements tenure with the Authority and stated that Mr. Clements was able to recommend a way to reduce the length of this pipeline by approximately 400 feet, which saved money. Chairman McQueen stated that on behalf of the Board that he appreciates Mr. Clements using his experience and knowledge to help the Authority save money.

**Clayton County Water Authority
Maintenance and Construction
Hooper 16" replacement – 2000 Master Plan – Project Recap**

Contracted Services

Original Contract with Reynolds, Inc.

\$276,838.75

Change Order #1	<\$14,875.00>
Change Order #2	\$1,050.00
Change Order #3	<\$2,779.85>
Change Order #4	<\$32,607.34>
Interest on Retainage	\$76.63

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Total Contract Reynolds, Inc.	\$227,703.19
Materials, CCWA Labor, Equipment	
Estimated Cost	\$481,485.52
Actual Cost	\$420,188.83
Project Total	
Estimated Cost	\$758,324.27
Final Cost (\$69.82 per foot)	\$647,892.02
CCWA Savings	\$110,432.25

Shoal Creek WRF Project Summary: Chairman McQueen called on Mike Buffington, Project Manager, who gave the Board an informational slide presentation, which included pictures of the Shoal Creek WRF construction project. Mr. Buffington discussed the following Additions to Shoal Creek WRF Summary information that was distributed to the Board. Mr. Buffington stated that the bid amount of this project was fourteen million six hundred thirty three thousand nine hundred seventy three dollars (\$14,633,973) with a final contract amount of fourteen million six hundred one thousand thirty-nine dollars (\$14,601,039). Mr. Buffington stated that this was a savings to the Authority of thirty two thousand nine hundred thirty four dollars (\$32,934) and that because this project was completed several months ahead of schedule the Authority saved approximately one hundred ten thousand dollars (\$110,000) on the Robert and Company construction management contract. Mr. Buffington stated that the Authority has also applied for a three hundred thousand dollar (\$300,000) sales tax refund, which would bring the total savings cost for this project to four hundred forty two thousand nine hundred thirty four dollars (\$442,934). Mr. Buffington stated that there is still additional landscaping work associated with this project and that he is in the process of getting the final landscaping design and cost and will bring this cost back to the Board. There was discussion concerning this information.

ADDITIONS TO SHOAL CREEK WRF SUMMARY

The project includes expansion and upgrade of the existing facility to treat 4.4 MGD, Average Daily Flow. The facility includes new coarse screens; new raw waste pump station; new fine screens; additional grit and grease removal; new aeration basins, secondary clarifiers and re-aeration; new UV disinfection facility; new effluent pumping station; and sludge thickening and digestion. Plant effluent will be pumped to Inman Road Constructed Wetlands Site for further treatment, reclaimed and pumped to Shoal Creek Reservoir

Project Managers:

- Robert and Company, Engineers – Shaun Beroset
- Clayton County Water Authority – Mike Buffington

Construction Contract Summary:

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- General Contractor – Ruby Collins, Inc., Smyrna, Georgia
- Bid Amount – \$14,633,973
- Start construction – January 15, 2001
- Scheduled contract completion date – November 15, 2002
- All construction work complete – August 20, 2002
- Final Contract Amount – \$14,601,039

Funding:

Series 1998 and 2000 Bond Issues

Lovejoy Road Sewer Improvements Bids: Chairman McQueen called on Mike Thomas, Manager of Program Management & Engineering, who gave the Board information concerning the Lovejoy Road sewer improvements project. Mr. Lindy Rogers, Board Member, stated that because of his prior ownership of property in this area he is abstaining from any discussion and vote regarding this project. Mr. Thomas gave an informational slide presentation, which included pictures of the construction site and location maps. Mr. Thomas discussed the following Lovejoy Road Sewer Improvement Bids for Installation information that was distributed to the Board. Mr. Thomas gave recognition to his Engineering staff for doing all the needed preliminary work for this project including the bid specifications. Mr. Thomas stated that the Authority advertised this project and received eight bids and that it is the recommendation of the Authority staff that the Lovejoy Road sewer improvements construction contract be awarded to the low bidder, Tom Davidson & Sons, Inc. for the bid amount of two hundred ten thousand one hundred thirty dollars and ninety three cents (\$210,130.93). Mr. Thomas stated that the Authority staff also recommends that the Board approve a change order to remove the purchase of the lift station and generator from the construction contract specifications and allow the Authority to purchase these items. Mr. Thomas stated that allowing the Authority to purchase the lift station and generator would save the cost of sales tax. Mr. Thomas gave the Board information on the quality of the Gorman Rupp lift stations and Precision Systems generators and how standardizing on the use of this equipment will be beneficial to the Authority. Mr. Thomas stated that the cost for the contractor to purchase the lift station and generator including the sales tax would be eighty two thousand eight hundred twenty seven dollars and sixty-three cents (\$82,827.63). Mr. Thomas stated that if the Board approves the purchase of the lift station and generator by the Authority this cost would be subtracted from Tom Davidson & Sons, Inc. low bid amount. Mr. Thomas stated that this would lower the bid amount from Tom Davidson & Sons, Inc. for the Lovejoy Road sewer improvements installation to one hundred twenty seven thousand three hundred three dollars and thirty cents (\$127,303.30). There was discussion concerning the information with questions concerning developers and landowners in this

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area paying part of this cost. Mr. Brannan and Mr. Thomas answered questions and gave additional information.

LOVEJOY ROAD SEWER IMPROVEMENTS BIDS FOR INSTALLATION

The Lovejoy Road Sewer Improvements consist of a gravity sewer line running south of Lovejoy Road to a pump station and force main that will run across Lovejoy Road and tie into an existing 10 inch gravity line at Lovejoy Middle School (see attached project map). These improvements will serve the property on the south side of Lovejoy Road from Tara Boulevard to Lovejoy Middle School. The project consists of the following components:

- 3,036 ft. of 8 inch gravity sewer line
- 4,136 ft. of 6 inch force main
- Gorman-Rupp T4 Pump Station and all associated components
- Precision Systems Generator

This project will serve approximately 234 acres. If this entire area developed into medium density residential homes it would result in the use of as much as 440,000 gallons per day.

The estimated construction cost for this project was \$294,000.

This includes \$242,000 for installation including purchase of the pump station and generator and \$52,000 for materials (primarily pipe) supplied by CCWA.

CCWA staff recommends that this construction project be awarded to the low bidder, Tom Davidson & Sons, Inc. for the Bid amount of \$210,130.93

Lovejoy Road Sewer Improvements Tab Sheet August 2002

Vendor	Bid
Tom Davidson & Sons, Inc. 79 School Road Sunnyside, GA 30284	\$210,130.93
Wade Coots Company, Inc. 298 Six Flags Parkway Austell, GA 30168	\$391,025.64
Ronny D. Jones Enterprises, Inc. 315 Millard Farmer Industrial Blvd. Newnan, GA 30263	\$366,353.95
Mid-South Builders, Inc. P.O. Box 878 Lithonia, GA 30058	\$304,856.00
MacBa Sewer & Pipeline, Inc. 117 Park West Drive McDonough, GA 30253	\$256,507.63
Gordy Construction Co. P.O. Box 4 Columbus, GA 31902	No Bid

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Strack, Inc. 125 Laser Industrial Blvd. Fairburn, GA 30213	\$298,857.88
Hall Construction 670 Hall Road Hampton, GA 30228	\$235,913.63
Callaway Grading 1699 North Mt. Carmel Road Hampton, GA 30228	No Bid
Crawford Grading & Pipeline 1505 Dunlap Road Luthersville, GA 30251	No Bid
Fair Oaks Construction 9594 Tara Boulevard Jonesboro, GA 30236	No Bid
Pipe Construction, Inc. 5732 Highway 212 Covington, GA 30016	\$210,696.63

Upon Motion by Lloyd Joiner and seconded by Wes Greene it was

RESOLVED: that the construction contract for the installation of the Lovejoy Road sewer improvements be awarded to the low bidder Tom Davidson & Sons, Inc. for the low bid amount of one hundred twenty seven thousand three hundred three dollars and thirty cents (\$127,303.30) and approve the requested change order to the construction contract specifications to remove the purchase of the lift station and generator from the construction contract with Tom Davidson & Sons, Inc. and allow the Authority to purchase the lift station and generator. Tom Davidson & Sons, Inc. low bid amount of one hundred twenty seven thousand three hundred three dollars and thirty cents (\$127,303.30) reflects the subtraction of eighty two thousand eight hundred twenty seven dollars and sixty-three cents (\$82,827.63) for the cost of the lift station and generator, which is to be purchased by the Authority, from the original low bid amount of two hundred ten thousand one hundred thirty dollars and ninety three cents (\$210,130.93). This motion passed with Lindy Rogers abstaining.

East Jesters Creek Stream Restoration Design Task Order: Chairman McQueen called on Mike Thomas, Manager of Program Management & Engineering, who presented information on CH2M Hill's East Jesters Creek Stream Restoration Design Task Order RE-02A-03. Mr. Thomas gave an informational slide presentation on the Authority's Watershed Management Plan and Stream Restoration & Improvement plans. Mr. Thomas discussed the following Task Order RE-02A-03 information that was distributed to the Board. There was discussion concerning this information with questions concerning the Authority coordinating this project with the Gateway Development project. Mr. Thomas answered question and gave additional information. Mr. Thomas called on Rick Hirsekorn, CH2M Hill, who gave an informational slide

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presentation describing what is involved in the detail design of the East Jesters Creek stream restoration, the design concept, and the end results of the stream restoration. There was discussion concerning this information with questions. Mr. Thomas and Mr. Hirsekorn answered questions and gave additional information.

**JESTERS CREEK STREAM RESTORATION
DESIGN TASK ORDER
TASK ORDER NO. RE-02A-03**



CCWA's Watershed Management Program includes a focus on restoring streams that are already polluted or impacted by development. Jesters Creek is one of the most severely impacted streams in the County, especially with respect to stream habitat and aquatic biology. CCWA and our consultant, CH2M Hill, have been developing an inventory of potential areas where stream restoration work could improve habitat, aquatic biology and water quality. We are beginning design on the first such project, which would be located on Jesters Creek in Morrow on the site of the new Gateway Development project (see attached map). This stream restoration will not only improve habitat, biology and water quality in this stream segment but should also add to the aesthetic appeal of the stream to the new development.

This project involves use of natural channel design methods to provide a stable stream design for approximately 2,100 linear feet of stream. The existing stream channel is very incised and continues to erode and deposit additional sediments in the stream. The design includes:

- Hydrologic and hydraulic analysis to insure that the restored stream will remain stable during storm events and high stream flows and will not change the existing flood plain;
- Permitting with the U.S. Army Corps of Engineers for working in U.S. waters;
- Detailed design plans for construction of a new stable stream channel; and
- Development of construction documents for bidding.

PROJECT MANAGERS

- CCWA – Mike Thomas
- CH2M Hill – Phil Sacco

TASK ORDER AMOUNT: \$137,000

FUNDING: This project will be funded by the Watershed Protection Fund that has been developed from water and sewer revenues.

TASK ORDER NO. RE-02A-03

This is an attachment to the AGREEMENT between CH2M HILL ("ENGINEER") and CLAYTON COUNTY WATER AUTHORITY ("OWNER"), for the project generally described as *East Jesters Creek Stream Restoration Design*.

Background

The purpose of this Task Order is to provide technical services including design for the stream improvement PROJECT in East Jesters Creek at the Gateway Village.

The OWNER's proposed stream improvement project at the Gateway site involves a Priority 1

or 2 (D.L. Rosgen, Catena, 1994) stream restoration located on East Jesters Creek downstream of Huie Road, adjacent to the proposed Gateway Village's west boundary. The goal of the proposed stream design will include riffle and pool habitats, resulting in a stable channel that is neither aggrading nor degrading. The PROJECT will use natural channel design methods to provide stable stream design on approximately 2,100 linear feet of stream. A storm water treatment system is currently proposed by the developer of the Gateway Village, which is not a part of this PROJECT.

As part of the ongoing Gateway Village and additionally as part of the broader Stream Improvement Program (SIP) in the entire Jesters Creek watershed, some of the conceptual and permitting components for the PROJECT have already been billed under task order RE-02-04 (Phase 2 Stream Improvement in Jesters Creek) including:

- Preliminary hydraulic analysis for bankfull discharge determination
- Preliminary conceptual design of the stream improvement (plan view and typical cross-section sketch)
- Preliminary cross-section analysis for FEMA "no-rise" evaluation
- Preliminary hydrological assessment of runoff from the development
- Existing topographic site survey review
- Meetings with U.S. Army Corps of Engineers (USACEC)
- Preparation and submittal of the PCN
- Meetings with Gateway Development Services and the City of Morrow

These elements are in different stages of development and will require additional review and refinement for use in the final design. Cost for the above work will be charged to Task Order RE-02-04. A PCR will be prepared documenting the additional changes and any adjustments in fee to Task Order RE-02-04. Revisions or additions to the above will be included in this task order.

Article 1 — Scope of Services

The scope of services for fiscal years 2002 and 2003 includes:

- Task 1 – Topographic survey
- Task 2 – Preliminary Design
- Task 3 – Channel Hydraulics Modeling
- Task 4 – Construction Documents
- Task 5 – Quality Control Review
- Task 6 – Services During Bidding

Description of Services

Task 1 - Topographic Survey

A land survey was conducted for the Gateway Village site design in approximately 1999. The ENGINEER will obtain an electronic copy of the topographic survey of the project area prepared for the Gateway Village. The survey will be field verified and evaluated to determine its adequacy for use as the basis of design. The required survey information includes:

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- Topographic survey of approximately 2,500 linear feet of East Jesters Creek and associated floodplain
- Benchmark information and locations
- Property lines and owner/deed information (liber/folio, parcel #'s)
- Easement lines, ROW lines, and owner/deed information
- Utility manhole identification and top elevation
- Utility line locations within the project area (storm drain, sanitary sewer, water, gas, power, phone) as can be determined from field observations or readily obtainable information

For purpose of this task order, it is assumed the existing survey will not be adequate for final design and a project specific survey will be required. A project specific survey cost is included.

Task 2 - Preliminary Design

Task 2.1 Available Data Review

The ENGINEER will review the conceptual design, existing maps, documents, and data made available by the OWNER and the Gateway Village applicable to the stream improvement. These include:

- Existing hydrologic and hydraulic reports and storm water management studies
- Topographic maps, aerial photographs, and GIS maps
- Zoning, utility, property, and ROW maps
- Plans for proposed or ongoing development that may impact the project

Task 2.2 Field Reconnaissance

Task 2.2.1 Bankfull Discharge Determination

The ENGINEER has calculated a bankfull discharge from a cross-section taken along a reach that hydraulically controls the flow. This preliminary bankfull discharge was calculated by identifying the bankfull elevation, measuring channel dimensions (including bankfull width, depth, cross-sectional area), identifying a Manning's roughness coefficient, and applying Manning's equation. The ENGINEER also delineated and measured the drainage area of the project reach.

Using drainage area to discharge relationships (GA, NC, other Regional Curves), the ENGINEER will confirm under this PROJECT that the calculated bankfull discharge is applicable for use in the project reach.

Task 2.2.2 Existing Stream Morphology

The ENGINEER performed a site reconnaissance of the study reach and floodplain to determine existing conditions. The ENGINEER also performed a Level II fluvial geomorphologic assessment and stream classification based on the Rosgen stream classification system (D.L. Rosgen, Catena, 1994) and recorded the data collected in the Ohio DNR (Dan Mecklenburg) spreadsheet. The preliminary evaluation indicated that most of the existing stream channel in this area exhibited "B", "G" and "F" stream-type characteristics (D.L. Rosgen, Catena, 1994). In this task the channel morphology will be reviewed and confirmed.

Task 2.2.3 Other Existing Stream Conditions

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As part of the preliminary site reconnaissance, the ENGINEER annotated other observed stream conditions on field maps. Conditions noted included:

- Existing erosion
- Riparian vegetation
- Fish and benthic observations
- Habitat assessment

These observations will be reviewed and confirmed in this task.

Task 2.2.4 Reference Reach Data Collection

The ENGINEER will contact the State of Georgia to determine if an appropriate reference reach in the project area has already been identified that would be suitable for design including "B", "E", and "C" stream types. If a reference reach has been identified, the ENGINEER will request the accompanying data for review and will perform a site visit to verify that the data are valid and useable. If no prior reference reaches have been identified in the local area, then other sources such as the NC Stream Restoration Institute will be contacted to determine if an appropriate reference reach in the Lower Piedmont Province can be used for reference reach information.

If no prior reference reaches have been identified or existing information is not applicable to the East Jesters Creek project site, then the ENGINEER will identify an applicable reference reach in the area of the stream that is to be restored. The ENGINEER will perform a brief search for an appropriate reference reach(s) for the targeted restoration stream type(s). If a reference reach cannot be located in the same area as the stream, the ENGINEER will expand the search to streams within the same hydro-physiographic region that exhibit similar land use patterns and runoff regimes.

Once a reference reach has been identified, the ENGINEER will perform a site reconnaissance and collect appropriate channel and riparian morphological data.

Task 2.3 Base Map Production

The ENGINEER will prepare a plan sheet base map of the project site. The base map will be at a scale of 1"=50', illustrating and noting the surveyed and proposed development features. The preliminary and final plans will be shown on this base map.

Task 2.4 Soil Sampling

The ENGINEER will collect four samples for analysis by a laboratory for soil texture, organic content, pH, permeability, and nutrient content, to determine any soil amendments required for soil bioengineering and buffer planting.

Task 2.5 Stream Design

Reference reach measurements will be used to develop dimensionless ratios for use in designing the stream restoration. The channel plan form will be laid out horizontally. Typical channel cross-sections and a longitudinal profile will be developed. Additional fish habitat enhancement structures will be developed for the restoration plan.

The ENGINEER will prepare preliminary design drawings for review by the OWNER, including:

- Title sheet, sheet index, project location map, and project sheet layout map
- Existing and proposed stream plan view
- Proposed typical cross-sections
- Existing and proposed stream profile

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Task 2.6 Construction Cost Estimate

The ENGINEER will prepare a cost estimate based on the preliminary design for purposes of budgeting the project.

Task 3 - Channel Hydraulics Modeling

A Conditional Letter of Map Revision (CLOMR) has been granted to the developer for the Gateway Village's impacts to the FEMA floodplain along East Jesters Creek in the project area. The ENGINEER has evaluated the impact of a preliminary stream improvement concept on the developer's CLOMR by using a hydraulic model created by the developer's engineer, ARCADIS, and altering the stream dimensions to match those of the preliminary stream improvement concept. The ENGINEER determined under Task Order RE-02-04 that the proposed stream improvement concept would have no impact on the developer's anticipated changes to the 100-year flood stage. The ENGINEER will re-evaluate the final stream improvement design to verify this "no-rise" determination.

Task 4 - Construction Documents

The construction documents will consist of plans, project technical specifications, and a cost estimate. Final design will commence after review of previous preliminary work by the OWNER.

Task 4.1 Plans

Plans will be developed from the preliminary design, addressing any preliminary design and/or regulatory comments as follows:

- Title sheet, a sheet index, project location map, project sheet layout map
- Construction notes – 2 sheets
- Geometric layout/Survey control sheet – 1 sheet
- Grading plan – 6 sheets
- Cross-sections – 6 sheets
- Existing and proposed stream profiles – 6 sheets
- Erosion and Sediment Control Plan, details, notes, and construction sequences
- Soil Bioengineering, In-Stream Structure, Other Details – 3 sheets
- Planting Plan and Plant Schedules – 6 sheets

Task 4.2 Project Technical Specifications

The ENGINEER will provide technical specifications and bid proposal in a format specified by the OWNER for inclusion in a complete set of specifications to be prepared by the OWNER.

Task 4.3 Construction Cost Estimate

The ENGINEER will prepare a revised cost estimate.

Task 5 - Quality Control Review

Documents will be reviewed internally by the ENGINEER's senior reviewers. This review will be preformed concurrent with the OWNER'S review of the final design and coordinated through one representative of the OWNER. Comments will be incorporated in the documents as appropriate prior to final printing.

Task 6 - Services During Bidding

Task 6.1 Bid Document Preparation

Once the final design submittal has been approved by the OWNER, the ENGINEER will prepare and print documents for distribution to bidders.

Task 6.2 Pre-Bid Meeting

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The ENGINEER will make a presentation at one (1) mandatory pre-bid meeting and provide clarifying information about the project.

Task 6.3 Addenda

The ENGINEER will issue addenda as required.

Task 6.4 Distribution of Bid Documents

The OWNER will distribute Bid Documents and addenda to bidders and maintain lists of holders of documents.

Task 6.5 Bid Opening

The ENGINEER will attend the bid opening, review contractors' qualifications and bidder's proposals, and recommend the most responsive bidder.

Other Available Services

The following Tasks are required to complete the stream restoration project and to be in compliance with USACE Nationwide 27 permit. The following items may be included in the annual construction management task order:

- Development of monitoring plans and establish monitoring stations
- Construction contract administration
- Field inspection
- Record drawings, final construction report
- Submittal reviews

Article 2 — Compensation

Compensation for the Scope of Services outlined in Article 1 shall be in accordance with the terms specified in Attachment B. Compensation shall be per diem (time and expenses), with a maximum, not to exceed amount of \$137,000 without written approval from the OWNER.

Article 3 — Schedule

The task order is based upon the project schedule in Exhibit 1 and assumes a notice-to-proceed date after the USACE Nationwide permit is approved unless directed otherwise by the OWNER:

EXHIBIT 1

Project Schedule

Activity	Duration
Field Studies	30 days from Notice-to-Proceed
Conceptual Design	40 days from Notice to Proceed (assume survey is complete)
Preliminary Design Submittal	90 days from Notice to Proceed
Construction Documents Submittal	60 days from the OWNER Preliminary Design review completion
Construction Documents Ready for Bid	30 days from the OWNER Final Design review and approval
Services During Bidding	Approx. 2 months for Advertisement, Bid, and Award

Article 4 — Insurance

The insurance coverage required for this "Task Order" is shown on the attached insurance Exhibit A.

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Each Employee and Per Disease Policy Limit. ENGINEER shall also indemnify and hold OWNER harmless for any such liability that may attach to OWNER as a "statutory employer" of any of ENGINEER's employees, agents, or subcontractors. "An Alternate

Employer Endorsement" naming the OWNER as a protected Alternate Employer will be added to the Workers' Compensation policy.

(b) Automobile Liability insurance covering claims for injuries to persons and/or property arising from the use of motor vehicles, including onsite and offsite operations, owned, non-owned or hired vehicles, with \$1,000,000 Combined Single Limit.

(C) Commercial General Liability, Occurrence Form, including Contractual Liability, per Project General Aggregate Limit of Liability, losses caused by explosion, collapse and underground (X,C,U perils). The OWNER is added as an Additional Insured using ISO Form CG 20-10 extended to include Products/Completed Operations, or an equivalent Additional Insured endorsement, either form must be acceptable to the OWNER. The coverage is primary as to the work of the ENGINEER for the OWNER and includes separation of insureds (cross liability). Additional Insured status will be certified to the OWNER for a period of five (5) years following completion of the project. The General Liability shall cover claims for injuries to persons or damage to property arising out of any covered negligent act or omission of ENGINEER or of any of its employees, agents, or subcontractors.

The limits of coverage shall be:

\$ 1,000,000 Per Occurrence
 \$ 1,000,000 Personal or Advertising Injury
 \$ 1,000,000 Fire Damage
 \$ 5,000 Medical Payments
 \$ 1,000,000 General Aggregate
 \$ 1,000,000 Products/Completed Operations Occurrence and Aggregate

In the alternative, the ENGINEER may substitute a claims made policy in the same amounts and for the same coverages, provided that it has full prior acts coverage and a five (5) year Extended Reporting Period included in the current policy.

(d) Professional liability insurance to include coverage for the OWNER and all subs, Engineers, and Design Consultants, with a minimum limit of \$10,000,000 per claim and in the aggregate. The OWNER may increase the limit requirements where in the opinion of the OWNER such increase is desired. The policy shall contain an eight (8) year Extended Reporting Period or the ENGINEER will furnish the OWNER evidence of continuing coverage for that same period of time after completion. The Retro-active date under the policy will predate any work for the OWNER. Sixty (60) days prior written notice of cancellation or non-renewal shall be given to the OWNER in the event of termination or non-renewal.

The OWNER may elect to obtain a PROJECT policy on a primary or excess basis. The ENGINEER will amend its PRACTICE policy to provide primary or excess coverage to increase the combined limits of coverage. Deductibles included in the policies will be the responsibility of the ENGINEER.

(e) An Umbrella policy, including Excess following form, will be provided with a minimum limit of \$25,000,000 Per Occurrence and Aggregate (Per Project) and will apply over underlying policies for Automobile Liability, Commercial General Liability, and Employers Liability. The Umbrella policy limits may be combined with the underlying limits to obtain the total limits required.

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(f) The ENGINEER will furnish a Certificate of Insurance to the OWNER for coverages (a) Workers' Compensation/Employers Liability; (b) Automobile Liability; (c) Commercial General Liability; (d) Professional Liability; and (e) Umbrella Liability. The certificates will include a copy of the endorsement on each policy, which requires written notice to the OWNER in the event of termination or non-renewal of at least sixty (60) days.

The certificates for the Commercial General Liability will also include a copy of the endorsement naming the OWNER as an Additional Insured, providing primary coverage for Operations and Products/Completed Operations.

Waiver of Subrogation – ENGINEER waives subrogation against OWNER as to Workers' Compensation including Employment Practices Liability, Automobile, and Commercial General Liability Policies.

(g) Each and every policy required by this contract shall be with a company that is rated by Best as A- or better. Further, the OWNER shall not be responsible for any deductibles established by such policies.

Upon Motion by Alan Horton and seconded by Lindy Rogers it was

RESOLVED: that CH2M Hill's Task Order RE-02A-03 for the project described as East Jesters Creek Stream Restoration Design in the amount of one hundred thirty seven thousand dollars (\$137,000) be approved. This motion passed with Robbie Moore opposing.

New Service Application Agreement: Chairman McQueen called on Wade Brannan, General Manager, who stated that the Authority, in conjunction with Steve Fincher, Attorney for the Authority, has developed a new Service Agreement. Mr. Brannan stated that this new service agreement would more effectively clarify the relationship between the Authority and the Authority's customers. Mr. Brannan discussed some of the information contained in this new Service Agreement that was distributed to the Board. Mr. Brannan stated that he would like for the Board to consider adopting this as the Authority's Service Agreement. Mr. Brannan stated that if the Board adopts this new Service Agreement a copy of the new Service Agreement would be provided to all new and existing Authority customers. Following discussion concerning this information Chairman McQueen stated that a decision to adopt this new Service Agreement would be postponed until next month's meeting giving Board members time to consider the information in the new Service Agreement.

Mr. Brannan introduced Phillip Tittle, Lead Maintenance Mechanic in the General Service Department. Mr. Brannan stated that he would like to recognize Mr. Tittle for the excellent job that he does in taking care of all of the Authority's lift stations. There was Board discussion concerning the members being proud to be on a Board for a company where there are dedicated employees who work to achieve their goals and contribute to the Authority receiving recognition and winning plant awards.

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Chairman McQueen stated that he would entertain a motion for the Board to go into executive session to discuss acquisition of land.

Upon Motion by Lindy Rogers and seconded by Marie Barber it was unanimously

RESOLVED: that the Board adjourns into executive session, the Board reserved the right to return to the open session.

Chairman McQueen called the regular Board meeting back into open session.

Mr. Brannan stated that he attended a Metropolitan North Georgia Water Planning District Committee meeting this morning. Mr. Brannan updated the Board on the status of the Metropolitan North Georgia Water Planning District Committee and what was discussed at this meeting. There was discussion with questions concerning this information. Mr. Brannan answered questions and gave additional information.

Mr. Brannan gave the Board information concerning Tucker Federal Bank being bought by RBC Centura Bank. Mr. Brannan stated that because of this buy out that Tucker Federal Bank is in the process of changing the way they conduct business. Mr. Brannan stated that in May of last year the Authority received bids for banking services and that Sun Trust Bank and Tucker Federal Bank bid approximately the same for services. Mr. Brannan stated that at the time the bids were received the Authority was already using Tucker Federal Bank for banking services, therefore the decision was made to continue using Tucker Federal Bank. Mr. Brannan stated that Mr. Conort contacted Sun Trust Bank and received confirmation that they would still honor their bid to the Authority from May of last year. Mr. Brannan stated that because of the changes that Tucker Federal Bank is making to the way they conduct business it is his recommendation that the Authority proceed with changing the Authority's banking needs to Sun Trust Bank.

Upon Motion by Robbie Moore and seconded by Wes Greene it was

RESOLVED: that the Authority proceed with changing the Authority's banking needs to Sun Trust Bank.

There was discussion concerning this motion and if the Authority should put banking services out for bid allowing the smaller community banks in Clayton County an opportunity to bid on providing banking services to the Authority. Robbie Moore withdrew his motion and Wes Greene withdrew his second.

There was additional Board discussion concerning how the Authority should proceed with making a decision concerning banking services.

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Upon Motion by Robbie Moore and seconded by Wes Greene it was

RESOLVED: that the Authority proceed with changing the Authority's banking needs to Sun Trust Bank for a period of one year at the end of this one year period the Authority will put banking services out for bid. This motion passed with Robbie Moore, Wes Greene, Marie Barber and Lloyd Joiner voting in favor of the motion and Lindy Rogers and Alan Horton opposing the motion.

Mr. Brannan gave the Board information concerning the Authority's municipal water rate. Mr. Brannan stated he is asking the Board's opinion concerning raising the Authority's municipal water rate, because at this time the Authority's municipal water rate is less than what the Authority charges our retail customers. Mr. Brannan asked the Board to consider using the retail water rate for both retail and municipal customers. Chairman McQueen gave the Board information concerning his opinion on what amount the Authority's municipal water rate should be. There was discussion concerning this information and what issues should be considered in determining what amount the Authority's municipal water rate should be. Mr. Brannan stated that he would like to recommend that the Authority's municipal water rate be set at 90% of the Authority's retail water rate.

Upon Motion by Wes Greene and seconded by Marie Barber it was unanimously

RESOLVED: to accept the recommendation of Wade Brannan, General Manager, that the Authority's municipal water rate be set at 90% of the Authority retail water rate, which at this time is \$2.70 per thousand gallons making the municipal water rate at this time \$2.43 per thousand gallons, and when the Authority buys water the Authority's municipal water rate will be the cost to the Authority to buy this water plus transmission cost or 90% of the Authority's retail water rate whichever is higher.

Mr. Brannan stated that the Clayton County Development Authority (Development Authority) owes the Clayton County Water Authority (CCWA) an outstanding debt of sixty seven thousand six hundred eighty five dollars and nineteen cents (\$67,685.19). Mr. Brannan stated that he received a letter from the Development Authority requesting that CCWA give the Development Authority ninety (90) days to pay half of the amount owed to CCWA, which will be thirty three thousand eight hundred forty two dollars and sixty cents (\$33,842.60) and the remainder to be paid within one (1) year. There was discussion concerning this request from the Development Authority.

Upon Motion by Lloyd Joiner and seconded by Marie Barber it was unanimously

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RESOLVED: that the Clayton County Water Authority (CCWA) agrees to the request from the Clayton County Development Authority (Development Authority) that CCWA gives the Development Authority ninety (90) days to pay half of the amount owed to CCWA, which will be thirty three thousand eight hundred forty two dollars and sixty cents (\$33,842.60) and the remainder to be paid within one (1) year with 5% annual interest on the unpaid balance. This motion passed with Robbie Moore opposing.

There was discussion concerning the decision to change the Authority's banking needs to Sun Trust Bank and if there are any legal reasons why the Authority cannot cancel their contract with Tucker Federal Bank. The Board requested that Steve Fincher, Attorney for the Authority, along with Mr. Conort look into this issue and if there is a problem bring information back to the Board.

Mr. Brannan stated that he would like to give the Board information concerning the Authority's financial status and that he is requesting guidance from the Board in regards to a possible rate adjustment. Mr. Conort distributed financial information to the Board concerning the Authority. There was discussion concerning this information with questions. Mr. Brannan and Mr. Conort answered questions and gave additional information. There was a Board request that each Board member be given the opportunity to meet with Mr. Brannan and Mr. Conort in order to discuss this financial information in detail.

Chairman McQueen gave the Board information about WEFTEC's 75th Annual Technical Conference.

Mr. Brannan gave the Board information concerning plans for a Groundbreaking Ceremony for the W.B. Casey WRF expansion.

Upon Motion by Wes Greene and seconded by Marie Barber it was unanimously

RESOLVED: that the regular session board meeting be adjourned.

There being no further business to come before the open meeting the meeting was adjourned.

Pete McQueen, Chairman

H. Lindy Rogers, Secretary/Treasurer