

CLAYTON COUNTY WATER AUTHORITY

1600 Battle Creek Road
Morrow, Georgia 30260

Regular Board Meeting June 6, 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, 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, Richard Calhoun and Mike Thomas, Executive Secretary, Patricia Groover, Assistant Manager of Administration, Scott Bailey, Project Manager, Mike Buffington, Contract & Procurement Administrator, Karen Riser, Administrative Secretary, Dianne Hammock, Network Administrator, Chris Sims, Human Resources Director, Ed Durham. Also present were: Steve Fincher, Fincher & Hecht, L.L.C., Jim Hawley, of CH2M Hill, Todd Mason, of Jim Wood & Associates Public Relations, Justin Reedy, Clayton News Daily.

Chairman McQueen called on Terry Hicks, Deputy Manager, to give the invocation.

Chairman McQueen called for any omissions or additions to the minutes of the regular and executive board meeting on May 2, 2002, hearing none the 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. This report was received for information.

Health Insurance Update: Chairman McQueen called on Ed Durham, Human Resources Director, who stated that Blue Cross Blue Shield has provided the Authority with employee health insurance coverage for the past six months. Mr. Durham gave the Board a six-month update on the status of the Authority's employee health insurance program. Mr. Durham discussed the loss ratio comparison of the HMO and PPO plans which was shown on a graph that was distributed to the Board. Mr. Durham stated that this is the information that health insurance providers look at when determining the cost of providing health insurance coverage. Mr. Durham stated that the Authority is being very proactive by providing wellness programs to employees in order to promote good health habits and keep health care costs down. Mr. Durham gave the Board information concerning the Health Fair the Authority provided for employees and indicated that it was successful in helping employees identify potential health problems. There was discussion concerning this information. There was a Board request that the Authority go

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to Blue Cross Blue Shield and request an extension on the employee health insurance coverage contract until the end of the Authority's fiscal year. There was discussion concerning this request.

E.L. Huie Power Line Clearing Summary: Chairman McQueen called on Dennis Hammock, Manager of Land Management, who gave the Board a summary of the E.L. Huie Land Application Facility power line clearing. Mr. Hammock gave a slide presentation showing pictures of the area that was cleared under the power lines and discussed the following summary information that was distributed to the Board. Mr. Hammock stated that the Authority's power lines had not been cleared in over ten years and that this project took over ten weeks to complete. There was discussion concerning this information.

E.L. HUIE POWER LINE CLEARING SUMMARY

Approved	December 6, 2001
Contractor	Georgia Power Company
Cost Per Hour	\$80.00
Started	January 29, 2002
Completed	April 9, 2002
Actual Length	32,165 feet or 6.9 miles
Total Cost	\$32,360

Mr. Hammock gave the Board an update on the status of the paving improvement projects that the County is in the process of doing for the Authority. Mr. Brannan gave the Board information concerning the materials only cost to the Authority for the County to do these paving projects and the amount of credit the Authority still has with the County.

Lift Station Generator Program Summary: Chairman McQueen called on Richard Calhoun, Manager of General Services, who gave the Board a summary on the completion of the installation of generators at the Authority's lift stations. Mr. Calhoun gave an informational slide presentation showing pictures of the lift stations with generators. Mr. Calhoun discussed the following lift station summary information that was distributed to the Board and stated that since 1998 the Authority has spent a total of seven hundred thirty one thousand four hundred fifty three dollars (\$731,453) on generators for 18 lift stations. Mr. Calhoun stated that there are four lift stations with generators given to the Authority by developers. Mr. Calhoun stated that he would like to thank the Board for their support in keeping the Authority's lift stations in excellent condition. There was discussion concerning this information with questions. Mr. Calhoun and Mr. Brannan answered questions and gave additional information.

Lift Station Summary

We have eliminated all of our underground lift stations and replaced them with above ground Gorman Rupp lift stations or with submersible pumps that are maintained from the surface. We have also installed standby generators on 22 lift stations. We have 4 lift stations that do not have generators. Two of these are very small lift stations with low usage (Clayton County Fire Dept. and Maddox Road) and 2 lift stations are only used during heavy rainfall and may be eliminated in the future (Rock Cut Road and Simpson Road)

The following is a list of lift stations that have backup generators.

1. Advantages
2. Arrowhead*
3. Atlanta Beach
4. Brown Road*
5. Cecila Circle
6. Cedar Hill Circle
7. Claude Court
8. Cristi Court*
9. Government Circle*
10. Justice Center
11. London Court
12. Lovejoy
13. Minnow Road
14. North Lake Drive
15. Reeves Creek*
16. Rivercrest
17. Rum Creek
18. Sunnybrook
19. Tara Bend
20. Walnut Creek
21. Whaley's Lake*
22. Wrights Circle

* Lift stations with generators installed on the last contract recently completed in May
(Total cost \$195,810)

The four lift stations below do not have backup generators:

1. Clayton County Fire Department (on Hwy 85)
2. Maddox Road
3. Rockcut Road
4. Simpson Road

Ground Water Update: Chairman McQueen called on Guy Pihera, Manager of Water Production, who presented an update 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 June 3, 2002 that was distributed to the Board and stated that the Authority's raw water reserve is now at 93% capacity. There was discussion concerning this information with a question on the amount of water that the Authority is allowed to withdraw from the Flint River and the amount of water usage. Mr. Pihera answered questions and gave additional information. Mr. Pihera also updated the Board on the status of the Authority's groundwater well drilling project. Mr. Pihera

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gave an informational slide presentation showing the location of the well drilling sites. Mr. Pihera gave information on the wells that have already been drilled and the estimated water yield. Mr. Pihera discussed the following groundwater update information that was distributed to the Board and stated that after the Authority completes the development of the two new wells that these two wells have a potential estimated water yield of over two hundred thousand gallons a day. Mr. Pihera stated that with the addition of these two wells the Authority would have three water producing wells. Mr. Pihera stated that there are two additional sites, on Authority property, that the Geologist is in the process of evaluating for potential well drilling sites. There was discussion concerning this information with questions. Mr. Pihera and Mr. Brannan answered questions and gave additional information.

GROUNDWATER UPDATE

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CCWA's groundwater exploration and development program is moving ahead. Test wells are being drilled at four locations on CCWA property at Blalock/Shamrock and Hooper Reservoirs. Preliminary results indicate several wells will most likely produce a useable volume and quality of water.

Reservoir Management Plan: Chairman McQueen called on Guy Pihera, Manager of Water Production, who stated that in May of 1999 the Board approved a Reservoir Management Plan for the Authority's Shoal Creek Reservoir. Mr. Pihera stated that the Authority's other three Reservoirs do not currently have Management Plans that have been approved by the Board. Mr. Pihera discussed the information shown in the William J. Hooper Reservoir Management Plan, J.W. Smith Reservoir Management Plan and Edgar Blalock, Jr. Reservoir Management Plan that was distributed to the Board and asked the Board to approve all three of these Reservoir Management Plans. There was discussion concerning this information.

RESERVOIR MANAGEMENT PLANS

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Reservoir Management Plans are required by the Georgia Department of Natural Resources and the Georgia Department of Community Affairs in order for Clayton County to obtain Approved Local Government status. This approval authorities Clayton County to be eligible for a variety of state grants and loans.

WILLIAM J. HOOPER RESERVOIR MANAGEMENT PLAN

Reservoir Operation

The primary purpose of the reservoir is raw water supply for the William J. Hooper water production plant. The William J. Hooper Reservoir is located in the Little Cotton Indian Creek Small Drinking Water Supply Watershed.

Reservoir Access

Landowners whose property adjoins the reservoir may purchase an annual resident permit for

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\$25. Permits are valid April 1 through March 31. Applications for permits must be made at the Jack H. Drew Water Authority Complex. Permit holders must abide by all CCWA reservoir regulations and are subject to permit revocation if regulations are violated. Specific detailed regulations are included in resident permit applications. Permits must be in possession while using the reservoir.

Public Access

Only permitted residents and their guests are allowed to access the reservoir. Public access is prohibited.

Fishing

Fishing is allowed only by permitted residents and their guests. Fishing methods, creel limits and licensing requirements of the Georgia Department of Natural Resources must be followed. Fishing from boats is allowed only during daylight hours. Bank fishing on property owned by permitted residents is allowed only during the published recreational area hours of operation.

Firearms

Firearms of any type are prohibited on the reservoir. Hunting is prohibited on the reservoir.

Boating

Permitted residents and their guests may use boats that meet requirements specified by CCWA. Boat engines allowed must be electric to protect reservoir water quality. Personal watercrafts of any type are prohibited.

The CCWA boat ramp located at the Hooper Water Production Plant may be used by permitted residents. The reservoir's main purpose is water supply. Typical summer water use and low rainfall patterns may render the reservoir unusable for boating purposes due to low water levels. Water quality is an important consideration of reservoir operation. **Boating may be suspended at the discretion of the Board based on reservoir level and/or water quality concerns.**

Skiing/Tubing/Swimming

Water sports involving being towed behind a boat or swimming are prohibited.

Docks

Boat docks are prohibited.

Algae Control

Due to the algae levels present in the reservoir as determined by Water Quality Section Personnel, CCWA will treat the reservoir as necessary with copper sulfate (or similar approved control chemical) to control algae populations.

Watershed Protection Measures

All lots abutting the reservoir property must have a permanent 150-foot protective buffer from the normal pool elevation. No septic tanks, septic tank absorption fields, related structure or feature, substantial structure, or other feature, which may adversely impact the reservoir, may occupy any portion of this 150-foot buffer. Additionally, it is preferable that this area be a natural, vegetated buffer.

The required watershed protection measures are outlined in the Clayton County Zoning Ordinance, Section 901.11. Other more stringent land use standards may be applied by Henry County at their discretion.

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J.W. SMITH RESERVOIR MANAGEMENT PLAN

Reservoir Operation

The primary purpose of the reservoir is raw water supply for two water production plants. This reservoir is located in the Shoal Creek Small Drinking Water Supply Watershed.

Reservoir Access

Landowners whose property adjoins the reservoir may purchase an annual resident permit for \$25. Permits are valid April 1 through March 31. Applications for permits must be made at the Jack H. Drew Water Authority Complex. Permit holders must abide by all CCWA reservoir regulations and are subject to permit revocation if regulations are violated. Specific detailed regulations are included in resident permit applications. Permits must be in possession while using the reservoir.

Public Access

Public access is permitted through the CCWA JW Smith Recreation area. Visitors to the reservoir must pay the appropriate fees and follow the CCWA Reservoir Rules and Regulations of Usage.

Fishing

Fishing is allowed only by permitted residents, their guests, and permitted visitors. Fishing methods, creel limits and licensing requirements of the Georgia Department of Natural Resources must be followed. Fishing from boats is allowed only during daylight hours. Bank fishing on property owned by permitted residents is allowed only during the published recreational area hours of operation.

Firearms

Firearms of any type are prohibited on the reservoir. Hunting is prohibited on the reservoir.

Boating

Permitted residents, their guests, and permitted visitors may use boats that meet requirements specified by CCWA. Boat engines allowed must be electric to protect reservoir water quality. Personal watercrafts of any type are prohibited.

The CCWA boat ramps located at the recreation area may be used by permitted residents. The reservoir's main purpose is water supply. Typical summer water use and low rainfall patterns may render the reservoir unusable for boating purposes due to low water levels. Water quality is an important consideration of reservoir operation. **Boating may be suspended at the discretion of the Board based on reservoir level and/or water quality concerns.**

Skiing/Tubing/Swimming

Water sports involving being towed behind a boat or swimming are prohibited.

Docks

Boat docks are prohibited.

Algae Control

Due to the algae levels present in the reservoir as determined by Water Quality Section Personnel, CCWA will treat the reservoir as necessary with copper sulfate (or similar approved control chemical) to control algae populations.

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Watershed Protection Measures

All lots abutting the reservoir property must have a permanent 150-foot protective buffer from the normal pool elevation. No septic tanks, septic tank absorption fields, related structure or feature, substantial structure, or other feature, which may adversely impact the reservoir, may occupy any portion of this 150-foot buffer. Additionally, it is preferable that this area be a natural, vegetated buffer.

The required watershed protection measures are outlined in the Clayton County Zoning Ordinance, Section 901.11. Other more stringent land use standards may be applied by Henry County at their discretion.

EDGAR BLALOCK, JR. RESERVOIR MANAGEMENT PLAN

Reservoir Operation

The primary purpose of the reservoir is raw water supply for two water production plants. This reservoir is located in the Pates Creek Small Drinking Water Supply Watershed.

Reservoir Access

Landowners whose property adjoins the reservoir may purchase an annual resident permit for \$25. Permits are valid April 1 through March 31. Applications for permits must be made at the Jack H. Drew Water Authority Complex. Permit holders must abide by all CCWA reservoir regulations and are subject to permit revocation if regulations are violated. Specific detailed regulations are included in resident permit applications. Permits must be in possession while using the reservoir.

Public Access

Public access is permitted through the CCWA Shamrock Recreation area. Visitors to the reservoir must pay the appropriate fees and follow the CCWA Reservoir Rules and Regulations of Usage.

Fishing

Fishing is allowed only by permitted residents, their guests, and permitted visitors. Fishing methods, creel limits and licensing requirements of the Georgia Department of Natural Resources must be followed. Fishing from boats is allowed only during daylight hours. Bank fishing on property owned by permitted residents is allowed only during the published recreational area hours of operation.

Firearms

Firearms of any type are prohibited on the reservoir. Hunting is prohibited on the reservoir.

Boating

Permitted residents, their guests, and permitted visitors may use boats that meet requirements specified by CCWA. Boat engines allowed must be electric to protect reservoir water quality. Personal watercrafts of any type are prohibited.

The CCWA boat ramp located at the recreation area may be used by permitted residents. The reservoir's main purpose is water supply. Typical summer water use and low rainfall patterns may render the reservoir unusable for boating purposes due to low water levels. Water quality is an important consideration of reservoir operation. **Boating may be suspended at the discretion of the Board based on reservoir level and/or water quality concerns.**

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Skiing/Tubing/Swimming

Water sports involving being towed behind a boat or swimming are prohibited.

Docks

Boat docks are prohibited.

Algae Control

Due to the algae levels present in the reservoir as determined by Water Quality Section Personnel, CCWA will treat the reservoir as necessary with copper sulfate (or similar approved control chemical) to control algae populations.

Watershed Protection Measures

All lots abutting the reservoir property must have a permanent 150-foot protective buffer from the normal pool elevation. No septic tanks, septic tank absorption fields, related structure or feature, substantial structure, or other feature, which may adversely impact the reservoir, may occupy any portion of this 150-foot buffer. Additionally, it is preferable that this area be a natural, vegetated buffer.

The required watershed protection measures are outlined in the Clayton County Zoning Ordinance, Section 901.11. Other more stringent land use standards may be applied by Henry County at their discretion.

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

RESOLVED: that the William J. Hooper Reservoir Management Plan, J.W. Smith Reservoir Management Plan and Edgar Blalock, Jr. Reservoir Management Plan be approved as presented.

Annual Masonry Services Bids: Chairman McQueen called on Herbert Etheridge, Manager of Maintenance and Construction, who stated that the original bid for masonry block/brick work was presented to the Board at the April meeting and because there was only one bid submitted the Board authorized him to re-bid the masonry block/brick work. Mr. Etheridge stated that the Authority re-advertised and received two bids for masonry block/brick work and it is the recommendation of the staff that the bid be awarded to the low bidder Southern Builders. Mr. Etheridge stated that he is also requesting that the Board authorize using Commercial Masonry Specialists in the event that the low bidder cannot meet the Authority's scheduling requirements.

Clayton County Water Authority Masonry Block/Brick Work Tab Sheet

Bendor	Bid
Alford Concrete 125 Kelly Town Woods Drive McDonough, GA 30252	No Bid
Blend Construction Co., Inc. 951 Klondike Court, Suite 102 Conyers, GA 30094	No Bid

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C&M Masonry Contractors Group, Inc. 174 Bellamy Place Stockbridge, GA 30281	No Bid
Commercial Masonry Specialist 100 Felton Drive Fayetteville, GA 30214	\$36,960.00
Garner Construction, Inc. 3887 Jodeco Road McDonough, GA 30253	No Bid
Martin's Masonry, Inc. 5156 E. Fairview Road, S.W. Stockbridge, GA 30281	No Bid
Meadows Masonry 196 West Mill Road Jonesboro, GA 30236	No Bid
S&W Masonry Construction, Inc. P.O. Box 1345 Forest Park, GA 30298	No Bid
Southern Builders, Inc. P.O. Box 550 Jonesboro, GA 30237	\$33,025.00

We recommend that this bid be awarded to Southern Builders, as they are the low bidder. We also request authorization to use Commercial Masonry Specialists in the event that the low bidder cannot meet our scheduling requirements.

Upon Motion by Robbie Moore and seconded by Marie Barber it was unanimously

RESOLVED: that the bid for masonry block/brick work be awarded to Southern Builders, Inc. for the low bid amount of thirty three thousand twenty five dollars (\$33,025) with the authorization to use Commercial Masonry Specialists in the event that Southern Builders, Inc. is unable to meet the Authority's scheduling requirements, both bids contingent upon approval of insurance as required by the specifications.

Line 12 Bids (Noah's Ark Tank to SR 138 at Fielder Road): Chairman McQueen called on Herbert Etheridge, Manager of Maintenance & Construction, who gave an informational slide presentation concerning the Authority's installation of line #12 and line #13. Mr. Etheridge stated that the installation of line #12 and line #13 is needed to improve the flow of water out of the Noah's Ark Repump Station to the north part of the county. Mr. Etheridge stated that the water distribution system model was used to identify these needed line improvements. Mr. Etheridge stated that the Authority advertised and received bids for the installation of line #12, which will go from Noah's Ark Road to the Atlanta Beach area and consists of 13,200' of 20" watermain and 9,400' of 16" watermain with a total of 22,600'. Mr. Etheridge stated that the low bidder MacBa Sewer & Pipeline, Inc. notified the Authority in writing that a substantial error was made in their bid and asked that their bid be excused. Mr. Etheridge stated that it is his recommendation that the low bid from MacBa Sewer & Pipeline, Inc. be excused and

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the contract be awarded to the second lowest bidder Gordy Construction in the amount of four hundred ninety eight thousand four hundred sixty dollars (\$498,460). There was discussion concerning this information.

**Clayton County Water Authority
 Line #12 Noah's Ark to Atlanta Beach
 Bid Tabulation Sheet
 May 2002**

Contractor	Base Bid
Callaway Grading 1699 North Mt. Carmel Road Hampton, GA 30228	No Bid
Ronny D. Jones Enterprises, Inc. 315 Milliard Farmer Industrial Blvd. Newman, GA 30263	\$684,843.00
Mid-South Builders, Inc. P.O. Box 878 7057 Maddox Road Lithonia, GA 30058	\$908,500.00
Huff Grading & Pipeline Co., Inc. 117-B Commerce Drive Dallas, GA 30132	No Bid
MacBa Sewer & Pipeline, Inc. 117 Park West Drive McDonough, GA 30253	\$351,050.00
Gary's Grading & Pipeline 7434 Highway 81 Monroe, GA 30656	\$662,600.00
Strack, Inc. 125 Laser Industrial Blvd. Fairburn, GA 30213	No Bid
Gordy Construction 112 Simpson Mill Road McDonough, GA 30252	\$498,460.00
Andrews Excavation, Inc. 112 Simpson Mill Road McDonough, GA 30252	No Bid
Crawford Grading & Pipeline 1505 Dunlap Road Luthersville, GA 30251	No Bid
Tom Davidson & Sons 79 School Road P.O. Box 257 Sunnyside, GA 30284	\$561,150.00
Hall Construction 670 Hall Road Hampton, GA 30228	No Bid

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Reynolds, Inc. 121 Roberts St. Fairburn, GA 30213	No Bid
Wade Coats Company, Inc. 298 Six Flags Parkway Austell, GA 30168	\$755,890.00
Mack Jones Enterprises, Inc. 5659 McEver Road Flowery Branch, GA 30542	No Bid
Floyd S. Lee Grading 5755 Old Dixie Highway Forest Park, GA 30297	No Bid
Ruby Collins, Inc. P.O. Box 2476 Smyrna, GA 30081	No Bid
Circle L Utility Contractors 1481 Old Alabama Road Taylorville, GA 30178	No Bid
Richard R. Harp Excavation, Inc. P.O. Box 1195 Fayetteville, GA 30214	No Bid
Thomas Boynton Contracting 6161 Forrest Road Hogansville, GA 30230	No Bid

The low bidder (MacBa Sewer & Pipeline, Inc.) has notified the CCWA that he made a substantial error in his bid and wishes to be excused from this bid. This contractor states that he failed to include his overhead costs in his calculations. Based on the following estimates and actual costs from similar jobs we recommend that this low bid be excused and the contract awarded to the second lowest bidder Gordy Construction in the amount of \$498,460.00. This project consists of 13,200' of 20" watermain and 9,400' of 16" watermain (22,600').

CCWA estimate:	\$29.94 per foot	\$674,644.00
Average Bid:	\$27.95 per foot	\$631,700.00
MacBa Sewer & Pipeline	\$15.53 per foot	\$351,050.00
Gordy Construction	\$22.60 per foot	\$498,460.00

Previous similar projects:

Line 1 – Jonesboro to Morrow	\$28.32 per foot
Hooper 24" main replacement	\$29.14 per foot

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

RESOLVED: that the low bid from MacBa Sewer & Pipeline, Inc. be excused and that the contract for the installation of line #12 be awarded to the second low bidder Gordy Construction for the bid amount of four hundred ninety eight thousand four hundred sixty dollars (\$498,460), contingent upon approval of bonds and insurance as required by the specifications and to authorize the General Manager to sign the contract documents. This motion passed with Robbie Moore opposing the motion.

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Line 13 Bids Tara Boulevard (Flint River Road to North Avenue): Chairman McQueen called on Herbert Etheridge, Manager of Maintenance & Construction, who stated that the Authority advertised and received bids for the installation of line #13, which will go from Noah's Ark Road to the Southlake area and consists of 5,300' of 24" watermain. Mr. Etheridge stated that it is his recommendation that the contract be awarded to the low bidder MacBa Sewer & Pipeline, Inc. in the amount of two hundred thirty three thousand two hundred sixty dollars (\$233,260). There was discussion concerning this information.

**Clayton County Water Authority
 Line #13 Tara Boulevard
 Bid Tabulation Sheet
 May 2002**

Contractor	Base Bid
Callaway Grading 1699 North Mt. Carmel Road Hampton, GA 30228	No Bid
Ronny D. Jones Enterprises, Inc. 315 Milliard Farmer Industrial Blvd. Newman, GA 30263	\$351,943.00
Mid-South Builders, Inc. P.O. Box 878 7057 Maddox Road Lithonia, GA 30058	\$468,010.00
Huff Grading & Pipeline Co., Inc. 117-B Commerce Drive Dallas, GA 30132	No Bid
MacBa Sewer & Pipeline, Inc. 117 Park West Drive McDonough, GA 30253	\$233,260.00
Gary's Grading & Pipeline 7434 Highway 81 Monroe, GA 30656	\$320,362.50
Strack, Inc. 125 Laser Industrial Blvd. Fairburn, GA 30213	No Bid
Gordy Construction P.O. Box 4 Columbus, GA 31902	\$416,590.00
Andrews Excavation, Inc. 112 Simpson Mill Road McDonough, GA 30252	No Bid
Crawford Grading & Pipeline 1505 Dunlap Road Luthersville, GA 30251	No Bid
Tom Davidson & Sons 79 School Road P.O. Box 257 Sunnyside, GA 30284	\$350,675.00

Hall Construction 670 Hall Road Hampton, GA 30228	No Bid
Reynolds, Inc. 121 Roberts St. Fairburn, GA 30213	No Bid
Wade Coats Company, Inc. 298 Six Flags Parkway Austell, GA 30168	\$451,660.00
Mack Jones Enterprises, Inc. 5659 McEver Road Flowery Branch, GA 30542	No Bid
Floyd S. Lee Grading 5755 Old Dixie Highway Forest Park, GA 30297	No Bid
Ruby Collins, Inc. P.O. Box 2476 Smyrna, GA 30081	No Bid
Circle L Utility Contractors 1481 Old Alabama Road Taylorville, GA 30178	No Bid
Richard R. Harp Excavation, Inc. P.O. Box 1195 Fayetteville, GA 30214	No Bid
Thomas Boynton Contracting 6161 Forrest Road Hogansville, GA 30230	No Bid

We recommend that this contract be awarded to MacBa Sewer & Pipeline in the amount of \$233,260.00. This project consists of 5,300' of 24" watermain.

CCWA estimate	\$54.62 per foot	\$289,500.00
MacBa Bid	\$44.01 per foot	\$233,260.00

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

RESOLVED: that the contract for the installation of line #13 be awarded to the low bidder MacBa Sewer & Pipeline, Inc. for the bid amount of two hundred thirty three thousand two hundred sixty dollars (\$233,260), contingent upon approval of bonds and insurance as required by the specifications and to authorize the General Manager to sign the contract documents.

Forest Park Water System and Shoal Creek WRF Improvement Summary:
 Chairman McQueen called on Herbert Etheridge, Manager of Maintenance & Construction, who gave the Board a summary of the Forest Park water main cleaning and lining and the Shoal Creek sewer line cleaning and lining. Mr. Etheridge gave a slide presentation, which included information and pictures showing the process used to clean the watermain and the process used to line the watermain. Mr. Etheridge discussed the

following water main cleaning and lining information that was distributed to the Board and indicated that these projects were a good investment for the Authority and that both projects would pay for themselves in less than eight months. There was discussion concerning this information. Mr. Etheridge gave the Board an update on the completion of the additional flow monitors used in the Flint River basin to calibrate the CH2M Hill wastewater-modeling project. Mr. Etheridge stated that the contract approved by the Board for this project was three hundred seven thousand dollars (\$307,000). Mr. Etheridge stated that it was the decision of the Authority and the CH2M Hill staffs that enough data had been collected to complete the wastewater-modeling project. Mr. Etheridge stated that the total estimated cost to the Authority for this project was two hundred thousand dollars (\$200,000), which was over one hundred thousand dollars (\$100,000) less than the approved amount. There was discussion with questions concerning this information. Mr. Etheridge answered questions and gave additional information.

Clayton County Water Authority Watermain Cleaning and Lining

The CCWA Board of Directors approved an annual contract with Creamer & Son, Inc. in February 2002 for the cleaning and lining of 5,000' of watermain in Forest Park. At that time the Board authorized expending \$107,000.00 for a pilot project of approximately 5,000' (Phase 1). The FY 2002A Budget included funding of \$213,000.00 for an additional 9,950' of work (Phase 2).

PHASE 1 – APPROVED AMOUNT	5,000' @ \$21.40	\$107,000.00
FINAL COST	5,203' @ \$21.40	\$111,344.20

Overrun due to estimated footage as compared to actual completed. Also short segments of line that were planned for Phase 2 had to be completed in Phase 1 due to valve locations.

Clayton County Water Authority Sewer Line Cleaning and Lining

The CCWA Board of Directors approved an annual contract with Insituform, Inc. in February 2002 for the cleaning and lining of Sanitary Sewer Mains. At that time the Board authorized expending \$87,500.00 for a pilot project of approximately 1,500' of sewer main near the Shoal Creek WRF.

APPROVED AMOUNT	\$87,500.00
FINAL COST	\$103,411.70

\$15,911.70 over run due to extensive cleaning required prior to installing the liner and upgraded bypass pumping to prevent overflows to the Flint River during the lining process. During high flow periods the Wastewater Plant has to surcharge the sewer main to prevent plant overflows. During this time grease is deposited on the top of the pipe. As the wastewater recedes to a normal flow this grease deposit hardens to a concrete density. To remove this buildup required extensive cleaning efforts by Insituform. With the liner installed this will not reoccur.

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Task Order Design for Solids Dewatering Facilities: Chairman McQueen called on Mike Buffington, Project Manager, who presented information on CH2M Hill's Task Order BO-01-07 for design and bidding services for the solids dewatering facilities at the J.W. Smith and Freeman Road Water Production Plants and the Shoal Creek and Northeast Water Reclamation Facilities. Mr. Buffington gave an informational slide presentation and discussed the following information that was distributed to the Board. Mr. Buffington introduced Jim Hawley and stated that Mr. Hawley is the Authority's project manager with CH2M Hill. Mr. Hawley gave an informational slide presentation with additional information on CH2M Hill's Solids Handling Facilities Detail Design Task Order BO-01-07. Mr. Hawley's slide presentation included background information on the Shoal Creek WRF, J.W. Smith WPP, Northeast WRF and Freeman Road WPP, residual management changes, recommendations and the scope of work involved in the Task Order. Mr. Hawley stated that the total Task Order BO-01-07 amount is eight hundred ninety thousand dollars (\$890,000) with a completion date of January 15, 2003. Mr. Buffington gave information on the preselection process stating that it would be the same preselection process used for the Authority's UV facility.

**Design of Solids Dewatering Facilities for the
J.W. Smith & Freeman Road WPPs and Shoal Creek & Northeast WRFs
Task Order No. BO-01-07**

This task order includes CH2M Hill Design and bidding services for the design of solids dewatering facilities for the Smith and Freeman Road Water Production Plants and the Shoal Creek and Northeast Water Reclamation Facilities. A solids handling plan was developed for these facilities to address the need for improvements in this area. The preferred equipment alternative selected was centrifuges because of the improved dewatering capabilities as compared to belt presses. Solids handling at the Shoal Creek WRF and Smith WPP had to be addressed immediately as a result of the recent Shoal Creek WRF plant expansion and wetlands construction. Currently, solids from the Shoal Creek WRF and Smith WPP are spray irrigated onto the Shoal Creek LAS. The use of the LAS will be suspended once the constructed wetlands are complete and land application of the solids will no longer be an option. A dewatering facility will be designed at the Shoal Creek WRF that will serve both that facility and the Smith WPP. Dried solids will then be landfilled or distributed for use as a soil amendment. The Freeman Road WPP currently sends solids to the Huie LAS and a centrifuge will be designed for this facility to eliminate this practice. The current solids handling facilities at the Northeast WRF are inefficient and will be replaced by centrifuge facilities and solids will be landfilled or distributed as a soil amendment or compost material.

The scope of services includes:

1. Equipment evaluation and preselection
2. Design of a single building for solids handling equipment for Shoal Creek WRF and Smith WPP
3. Design of building and solids handling equipment for Freeman Rd. WPP
4. Design of solids handling equipment within existing buildings at the Northeast WRF.
5. Bidding Services

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Project Managers:

- CH2M Hill, Engineers – Yvette Ratzlaff
- Clayton County Water Authority – Mike Buffington

Task Order Amount: \$890,000

Funding:

This project will be funded by the 2000 or 2001 bond series

TASK ORDER BO-01-07

This attachment is to the AGREEMENT between CH2M HILL, INC., (“ENGINEER”), and CLAYTON COUNTY WATER AUTHORITY (“OWNER”), for a PROJECT generally described as *Design of Solids Dewatering Facilities*.

The purpose of this Task Order is for the preselection/schematic design, detailed design, and bidding of the dewatering facilities at the Shoal Creek, Northeast, and Freeman Road plants. Design of the dewatering facilities will be in accordance with draft “Residuals Management Plan” dated February, 2002.

ARTICLE 1. SCOPE OF SERVICES

ENGINEER agrees to furnish OWNER the following services:

PROJECT DESCRIPTION

1. The proposed dewatering facilities at the WRFs are described in detail in the Residuals Management Plan referenced above.
2. Shoal/Smith Dewatering Facility
 - a. The dewatering building will consist of a partial two story structure with polymer handling area, electrical room, and centrifuge room on the upper floor, and a partial lower floor for direct loading of sludge into trucks from the centrifuges.
 - b. Two centrifuges are planned for the facility. Centrifuges will be locally operated. The dewatering facility will be tied into the existing plant SCADA system for remote monitoring of dewatering operations.
 - c. New thickened WAS pumps will be located in the existing building and will be designed to pump thickened WAS to a sludge holding tank in the new dewatering building. For sludge from the Smith plant, it has been assumed that the existing alum sludge line will be intercepted on the Shoal Creek plant site, and re-routed to a sludge holding tank in the new dewatering facility. It has been assumed that the existing Smith sludge pumps and controls will not be modified as part of this scope of services.
 - d. In the dewatering building, two concrete blend tanks, with mixers, will be designed for sludge holding and potential blending of alum sludge and thickened WAS. Centrifuge feed pumps will draw off of these tanks for sludge transfer to the centrifuges.

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- e. A package biofilter odor control system will be designed for control of odors in the truck loading area.

3. Northeast WRF Dewatering Facility

- a. The dewatering facility will be installed in the existing dewatering/composting building. The centrifuge(s) will be located in the area currently designated for a future belt filter press.
- b. Existing conveyors will be evaluated and appropriate replacements designed if necessary.
- c. The existing truck loading structure will be modified to act as a complete enclosure for truck loading operations. A package biofilter will be installed for odor control in the truck loading area.
- d. Existing thickened WAS pumps will be evaluated and new pumps designed if required to pump thickened WAS to the new centrifuges. New pumps will be located where the existing pumps are located. No new building will be designed to house the pumps. The pump controls will be interfaced with centrifuge operations.
- e. Electrical equipment for the new centrifuge equipment will be installed in the existing electrical room in the dewatering building. Abandoned electrical equipment associated with the abandoned composting operation will be indicated to be demolished only to the extent necessary to install the new electrical equipment.
- f. A single centrifuge is anticipated at this time with provisions for a future centrifuge.
- g. Centrifuges will be locally monitored and controlled at the existing control room. No remote operation, monitoring, or control is included in the scope of this project due to the anticipated expansion project at the plant.
- h. Demolition of existing equipment will be limited to that required for installation of the dewatering equipment.

4. Freeman Road Dewatering Facility

- a. The dewatering building is anticipated to consist of a single story structure matching the existing plan architecture, with polymer area, electrical room, and centrifuge room. Loading of sludge into trucks from the centrifuges is anticipated to be by conveyors directly into the trucks with no sludge storage tanks.
- b. Two centrifuges are planned for the facility. Centrifuges will be locally operated. The dewatering facility will be tied into the existing plant SCADA system for remote monitoring of dewatering operations.
- c. Existing sludge pumps will be evaluated and new pumps designed if required to serve as centrifuge feed pumps. Any new pumps will be located where the existing pumps are located. No new building will be designed to house the pumps. The pump controls will be interfaced with centrifuge operations.
- d. Odor control will be provided for the truck loading area by a packaged biofilter system.

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PROJECT PHASES PROVIDED BY THE ENGINEER

1. Project Definition activities associated with the Freeman Road WPP
2. Project Development workshop for all three project sites
3. Pre-selection/Schematic Design of the centrifuge equipment/facilities
4. Design Development
5. Preparation of Construction Contract Documents
6. Services related to advertisement and award of a single construction contract

PROJECT DEFINITION DELIVERABLES FOR FREEMAN ROAD WPP

1. Establish preliminary size of centrifuges
2. Establish interface requirements for interface with existing treatment plant including pumping requirements to centrifuge facility and major connection points to existing structures and pipes.
3. Develop concept for facility layout (i.e. single story structure and sludge loading system)

PROJECT DEVELOPMENT WORKSHOP

1. Conduct 1-day workshop to confirm and freeze design concepts contained in the draft Residuals Management plan for Shoal Creek and Northeast WRFs and the Project Definition activities for the Freeman Road WPP.

PRE-SELECTION/SCHEMATIC DESIGN OF CENTRIFUGE EQUIPMENT AND FACILITIES

1. Prepare pre-selection proposal documents for centrifuges, including front end documents, technical specifications, and drawings as appropriate, for Shoal Creek, Northeast, and Freeman Road plants.
2. Issue documents to vendors and respond to questions from vendors during proposal period.
3. Evaluate proposals from centrifuge vendors and make recommendation for selection.
4. Prepare Schematic Design package containing the technical specifications and drawings, and equipment preselection information for use by the design team in the next phase.

DESIGN DEVELOPMENT DELIVERABLES

1. The design development phase will be based on: the preselection/schematic design package. The design development deliverables will be as described below.
2. Mechanical plans, sections, and details including piping, valves, centrifuges, conveyors, and other mechanical equipment for the dewatering facilities described above.
3. Process and Instrumentation Diagrams and loop descriptions.
4. Architectural floor plans and elevations.
5. Preliminary electrical site plans and one line diagrams.
6. Preliminary building services equipment and ductwork for each dewatering facility.
7. Site/civil development drawings including grading, piping, drainage and electrical duct banks.
8. 90% mechanical specifications for equipment, piping, and valves. The remainder of the engineering disciplines will generate a list of technical specifications to be prepared in the contract documents phase of the project.
9. Design development deliverables will be available for review by the OWNER staff on a monthly basis and at the completion of the design development phase.

CONTRACT DOCUMENT DELIVERABLES

1. Design drawings defining the work for bidding and construction under one construction contract for all three dewatering facilities.

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2. Specifications and procedural documents based on CH2M HILL master documents.
3. Revised estimate of construction cost.
4. Documents in preparation will be available for review by the OWNER on a monthly basis and at the end of the Contract Document Phase. Final documents will be submitted to CCWA for review and to the Georgia EPD for permit to construct. Documents will be signed and sealed as required by the statutes of the State of Georgia.

DESIGN ASSUMPTIONS

1. The OWNER will provide a formal review of the Centrifuge Pre-Selection Request for Proposals, the Schematic Design Package, Design Development documents, and the 90% Construction Documents.
2. CH2M HILL master specifications will be used as the basis for all specifications, including General Conditions, Supplemental Conditions, Division 1, and all technical sections in Divisions 2 through 16.
3. The drawings will follow CH2M HILL CAE/CAD standards.
4. Reproducible copies of all existing plant construction drawings will be provided by the OWNER. These drawings are considered record drawings and, as such can be relied upon to be accurate for design purposes.
5. Any investigation and remediation of possible hazardous waste, asbestos, lead paint or other types of contamination will be conducted as a separate contract.
6. A topographic survey of the Freeman Road site is already available and a new survey will not be required. Topographic surveys of the Shoal Creek and Northeast sites will be required. Legal, easement, or plat surveys will not be required for any of the sites.
7. Geotechnical investigations will be required at the Freeman Road and Shoal Creek sites.
8. CH2M HILL will use the information provided on record drawings to develop the existing site utility drawings. Use of a utility firm to locate existing underground utilities, duct banks and site piping in the area of the work will be an additional cost.
9. Civil sitework plans will be provided only for areas of the site involving significant disturbance to the existing grading. Site drawings will only be prepared for those sectors in the plant where new facilities are to be constructed.
10. A separate landscaping plan will not be prepared. Landscaping will include seeding and sodding.
11. Only portions of the existing plant roadways that are disturbed by construction activities will be re-paved. Roadway profile drawings are not required.
12. Building architecture (materials, construction) will be similar to existing buildings.
13. The adequacy of the existing primary power supply to handle any new loads will be evaluated as part of the design. If required additional breakers will not fit into existing switch boards or other primary power supply modifications are needed, the effort to complete the associated design will be added by a change to this scope and fee.
14. It is assumed that the new dewatering facilities will not be placed on emergency power.
15. 5 copies of 11 X 17 drawings will be provided for each internal review by the OWNER.
16. The final construction contract deliverables will consist of 5 copies of 11 X 17 drawings and 5 copies of 8½ X 11 legal and technical specifications for OWNER'S use.
17. An electronic copy of the final design drawings in an AutoCAD format will be provided.

BID PHASE

Bid phase services include preparation of advertisement for bids, responding to bidder inquiries, providing written clarifications and addenda as required, attending bid opening and recommending award of the construction contract to CCWA. If for any reason, bids are not awarded, additional bid phase services will require amendment to this task order. Printing of contract documents will be done by the ENGINEER and the costs charged to bidders and suppliers will be used by ENGINEER to cover the cost of document printing and distribution.

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BID PHASE ASSUMPTIONS

1. ENGINEER will distribute the bid documents.
2. ENGINEER will conduct and document one Pre-bid Conference at the project site or OWNER's office.
3. The two lowest bids and supporting documentation will be evaluated. ENGINEER will prepare a letter documenting the results of this evaluation and recommendation for award of the construction contract. ENGINEER will assist the OWNER's staff in presenting the recommendation for award to the governing body.

ARTICLE 2. COMPENSATION

Compensation by OWNER to ENGINEER will be as follows:
 Work will be performed based on a lump sum fee of \$890,000.

Breakdown by facility is as follows:

- Shoal/Smith Dewatering Facility - \$365,000
- Northeast WRF Dewatering Facility - \$232,000
- Freeman Road WPP Dewatering Facility - \$293,000

Payment will be due to the ENGINEER based on an assessment of current project status based by the CCWA program manager that work is progressing as planned. This determination will be made at monthly meetings and additionally as requested by the OWNER.

ARTICLE 3. INSURANCE

The insurance coverage required for this "Task Order" is shown on the attached insurance exhibit B.

OTHER PROVISIONS

The following provisions shall apply to this Task Order:

SCHEDULE:

ENGINEER will begin this scope of work as soon as authorized by the OWNER.
 Design is expected to start June 10, 2002. Contract Documents will be completed on or about January 15, 2003, and submitted to OWNER.

Advertisement for bids will be as scheduled by the OWNER during January 2003.

This Task Order will become part of the referenced AGREEMENT when executed by both parties.

IN WITNESS WHEREOF, the parties execute below:

For OWNER, CLAYTON COUNTY WATER AUTHORITY

Dated this _____ day of _____, 2002

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By: _____
 Name Title

By: _____
 Name Title

For ENGINEER, CH2M HILL

Dated this _____ day of _____, 2002

By: _____
 Name Title

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

RESOLVED: that the CH2M Hill Design Task Order BO-01-07 for preselection /schematic design, detail design and bidding services for solids dewatering facilities at the J.W. Smith and Freeman Road Water Production Plants and the Shoal Creek and Northeast Water Reclamation Facilities in the amount of eight hundred ninety thousand dollars (\$890,000) be approved.

W.B. Casey WRF Project Status: Chairman McQueen called on Mike Buffington, Project Manager, who stated that the Board was given a copy of the following W.B. Casey WRF Expansion and Upgrade bid tabulation sheet. Mr. Buffington stated that the Authority received four excellent bids that were very competitive and that the Program Management staff is working with CH2M Hill to evaluate these bids and will bring a recommendation to the Board at the July board meeting.

**Clayton County Water Authority
 W. B. Casey WRF Expansion and Upgrade
 Tabulation of Bids**

Bid Opening: May 30, 2002, 2:00 PM Local Time

Item	Bidders			
	Brasfield & Goorie Birmingham, AI	Beers Skanska Atlanta, GA	3-D Enterprises Lexington, KY	Pizzagalli South Burlington, VT
Base Bid including lump sum work, unit price items and allowances	\$ 52,961,000	\$ 53,760,819	\$ 58,273,000	\$ 58,859,000
Demolition Work				
Existing Casey plant	\$ 1,270,000	\$ 1,366,226	\$ 1,900,000	\$ 2,698,000
Existing Jackson plant	\$ 960,000	\$ 1,186,042	\$ 1,600,000	\$ 2,604,000
Total Demolition Work	\$ 2,230,000	\$ 2,552,268	\$ 3,500,000	\$ 5,302,000
Total Bid Amount	\$ 55,191,000	\$ 56,313,087	\$ 61,773,000	\$ 64,161,000

CH2M Hill Construction Cost Estimate

Base Bid and Demolition Work

\$ 63,300,000

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Series 2001 Bond Issue

Amount Included for Casey Construction

\$ 61,000,000

Permitting Task Order Update (Shoal Creek WRF & Inman Road Wetlands):
Chairman McQueen called on Mike Thomas, Manager of Program Management & Engineering, who updated the Board on the Shoal Creek (Inman Road) Wetlands project and gave an informational slide presentation summary on Shoal Creek Wetlands Permitting Task Order BO-98-01. Mr. Thomas discussed the following information that was distributed to the Board.

**Task Order Close-Out Summary
B0-98-01: Shoal Creek (Inman Rd.) Wetlands Permitting**

This task order included CH2M Hill services for development of the supporting documentation for the Shoal Creek NPDES Permit. This included the development of a wasteload allocation request, Environmental Information Document, public hearing preparation and materials, draft permit application and draft permit. This was a challenging task because CCWA was transitioning from a "no-discharge" Land Application System (LAS) permit to a NPDES discharge permit for the wetlands. Extensive documentation was required to justify to EPD the rationale for the new permit. This process took 26 months to complete, primarily because of EPD review times and public notice requirements; however, the permit was successfully issued on March 25, 2002.

Despite the project schedule being drawn out much longer than expected, the project was still under budget because of support offered by CCWA staff and the lack of any significant concerns from EPD or the public during the process.

Project Managers:

- CH2M Hill – Bill Kruetzberger/Kip Duchon
- Clayton County Water Authority – Mike Thomas

Task Order Amount: \$256,920.00

Final Expenditures: \$243,668.54

Under Budget by: \$13,251.46

This project was funded by the 1998 bond series

Mr. Thomas gave an informational slide presentation summary on Shoal Creek Wetlands Design Task Order BO-98-02. Mr. Thomas discussed the following information that was distributed to the Board. There was discussion with questions concerning this information. Mr. Thomas answered questions and gave additional information.

**Task Order Close-Out Summary
B0-98-02: Shoal Creek (Inman Rd.) Wetlands Design**

This task order included CH2M Hill services for detailed design of the Shoal Creek (Inman Rd.) constructed wetlands. This project includes the development of 22 constructed wetland cells on

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a sloping site, thousands of linear feet of earthen berms with gravel roads, a submersible pump station, electrical building and 3,200 feet of 24 inch force main. This was the first known design of such a large constructed wetland system on a sloping site in the piedmont. It was a significant hydraulic and cut/fill grading design project. The low bid on the project came in approximately 10% under budget and all bids were relatively close indicating the project was well designed. This project provided valuable experience for the design of similar projects at the Huie LAS site. The project was completed on budget.

Project Managers:

- CH2M Hill – Brad Inman/Wayne Murphy
- Clayton County Water Authority – Mike Thomas

Task Order Amount: \$493,476 (including amendment of \$25,294)

Final Expenditures: \$493,476

This project was funded by the 1998 bond series

Shoal Creek Force Main Phase 2 Bids: Chairman McQueen called on Mike Thomas, Manager of Program Management & Engineering, who stated that part of the Shoal Creek project is the last section of the force main going from the Wetlands to the Shoal Creek Reservoir. Mr. Thomas stated that this design was done in-house using the Authority's engineering staff. Mr. Thomas gave an informational slide presentation on the Shoal Creek Force Main Phase II and discussed the following information that was distributed to the Board. Mr. Thomas stated that the Authority advertised and received bids for the installation of the Shoal Creek Force Main Phase II and that it is his recommendation that this project be awarded to the low bidder Tom Davidson & Sons with a bid amount of one hundred seventy six thousand eight hundred twenty nine dollars and fifty cents (\$176,829.50). Mr. Thomas stated that Tom Davidson & Sons is a good contractor who has worked with the Authority on numerous projects. Mr. Thomas stated that he talked with Mr. Davidson about his bid amount and that Mr. Davidson is confident that he can do this project for the bid amount.

**SHOAL CREEK FORCE MAIN – PHASE 2
BIDS FOR INSTALLATION LABOR**

This project involves the construction of a 24-inch ductile iron force main to carry the discharge from the Inman Road wetlands to the Shoal Creek Reservoir. This pipeline will be approximately 16,860 feet long and will include a concrete discharge structure at the discharge point to the reservoir to re-aerate the reclaimed water. This will be the final infrastructure improvement needed to put the new Shoal Creek Water Reclamation Facilities into operation – the new plant and force main from the plant to the wetlands are completed and the Inman Road wetlands are under construction. This project is funded by the 2000 Bond Series.

Preliminary Construction Cost Estimate

Materials	\$575,000
Labor & miscellaneous materials	\$340,000
TOTAL	\$915,000

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Bid Results for Labor & miscellaneous materials

Low Bid for Labor & miscellaneous materials is \$176,829.50 by Tom Davidson & Sons.

**Clayton County Water Authority
Shoal Creek Force Main Phase II
Bid Tabulation Sheet
May 2002**

Contractor	Base Bid
Callaway Grading 1699 North Mt. Carmel Road Hampton, GA 30228	No Bid
Ronny D. Jones Enterprises, Inc. 315 Milliard Farmer Industrial Blvd. Newman, GA 30263	\$335,485.40
Mid-South Builders, Inc. P.O. Box 878 7057 Maddox Road Lithonia, GA 30058	\$213,774.00
Huff Grading & Pipeline Co., Inc. 117-B Commerce Drive Dallas, GA 30132	No Bid
MacBa Sewer & Pipeline, Inc. 117 Park West Drive McDonough, GA 30253	\$359,408.00
Gary's Grading & Pipeline 7434 Highway 81 Monroe, GA 30656	\$282,123.00
Strack, Inc. 125 Laser Industrial Blvd. Fairburn, GA 30213	No Bid
Gordy Construction P.O. Box 4 Columbus, GA 31902	\$305,494.90
Andrews Excavation, Inc. 112 Simpson Mill Road McDonough, GA 30252	No Bid
Crawford Grading & Pipeline 1505 Dunlap Road Luthersville, GA 30251	\$274,496.00
Tom Davidson & Sons 79 School Road P.O. Box 257 Sunnyside, GA 30284	\$176,829.50
Hall Construction 670 Hall Road Hampton, GA 30228	No Bid
Reynolds, Inc. 121 Roberts St. Fairburn, GA 30213	\$213,450.50

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Wade Coots Company, Inc. 298 Six Flags Parkway Austell, GA 30168	\$593,026.00
Mack Jones Enterprises, Inc. 5659 McEver Road Flowery Branch, GA 30542	No Bid
Floyd S. Lee Grading 5755 Old Dixie Highway Forest Park, GA 30297	No Bid
Ruby Collins, Inc. P.O. Box 2476 Smyrna, GA 30081	\$388,395.00
Circle L Utility Contractors 1481 Old Alabama Road Taylorville, GA 30178	No Bid
Richard R. Harp Excavation, Inc. P.O. Box 1195 Fayetteville, GA 30214	\$436,803.00
Thomas Boynton Contracting 6161 Forrest Road Hogansville, GA 30230	No Bid

CCWA labor estimate was \$340,000. CCWA staff recommends that this project be awarded to the low bidder, Tom Davidson & Sons, for the bid amount of \$176,829.50

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

RESOLVED: that the contract for the installation labor of the Shoal Creek Force Main Phase II be awarded to the low bidder Tom Davidson & Sons for the bid amount of one hundred seventy six thousand eight hundred twenty nine dollars and fifty cents (\$176,829.50), contingent upon approval of bonds and insurance as required by the specifications and to authorize the General Manager to sign the contract documents.

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 Marie Barber and seconded by Lindy Rogers 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 gave the Board information concerning an easement authorizing Georgia Power to cross Authority property in order to service a house located on property adjacent to the Authority's Blalock Reservoir property. Mr. Brannan stated that he is asking the Board to authorize him to sign this Georgia Power easement document.

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

RESOLVED: that Wade Brannan, General Manager is authorized to sign the Georgia Power easement document.

Mr. Brannan gave the Board information concerning the installation of a sign at the Authority's Forest Park satellite office. Mr. Brannan stated that David Pearson has offered to purchase and install a sign including any needed electrical wiring at the Authority's Forest Park satellite office for a cost of twenty two hundred dollars (\$2,200). Mr. Brannan stated that he contacted sign companies in order to determine the cost for the Authority to purchase and install a sign at this location. Mr. Brannan stated that the cost for the sign only, without installation or electrical wiring, would be over twenty five hundred dollars (\$2,500). Mr. Brannan stated that he wanted the Board to know that he is authorizing Mr. Pearson to proceed with the purchase and installation of a sign at the Authority's Forest Park satellite office.

Mr. Brannan gave the Board information concerning the fifteen hundred dollar (\$1,500) surplus equipment bid received by the Authority for the Hammer Mill that was used at the Northeast Composting Facility. Mr. Brannan stated that the decision was made for Authority staff to try to get a higher bid amount for the Hammer Mill, but has been unsuccessful in obtaining a higher bid amount for this equipment. Mr. Brannan stated that he is asking the Board to approve selling this Hammer Mill equipment for the bid amount of fifteen hundred dollars (\$1,500).

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

RESOLVED: that the bid in the amount of fifteen hundred dollars (\$1,500) for the purchase of the Authority's surplus Hammer Mill equipment be accepted.

Mr. Brannan stated that the Authority is in the process of changing the employee mobile phone service over to Nextel, which has caused a surplus of old cellular phones that are no longer needed and that he would like to make the Board aware that he plans to donate these surplus cellular phones to the Clayton County Association for Battered Women/Secure House.

Mr. Brannan gave the Board information concerning the City of Atlanta setting up a conveyor belt system in order to move the dirt that is needed for the Airport's 5th runway. Mr. Brannan showed a slide of the location north of Riverdale Road and Interstate 285 where the dirt will be conveyed over to the Airport's 5th runway. Mr. Brannan stated that this dirt conveyor process would cause a conflict with some of the Authority's sewerlines. Mr. Brannan stated that he would like to make the Board aware that Authority personnel will be working with the City of Atlanta on this project in order to make needed temporary adjustments to the Authority's sewerlines. Mr. Brannan stated that these adjustments might include the installation of a temporary lift station. Mr.

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Brannan stated that any cost to the Authority associated with this conveyor dirt-moving project would be reimbursed back to the Authority by the City of Atlanta. There was discussion concerning this information.

Mr. Brannan gave the Board information concerning the completion of all necessary documents by Mr. Fincher's office for the transfer of the Jackson property from the Authority to Clayton County Board of Commissioners.

Mr. Brannan gave the Board information concerning the Authority, at the request of Fayette County, releasing fourteen (14) customers located on Highway 138 in Fayette County. Mr. Brannan stated that Fayette County now has water service in this area and requested that the Authority allow them to bring these fourteen (14) customers back into their system. Mr. Brannan stated that it was his opinion that the Board would not have a problem with this request and that he asked Fayette County to put the request in writing. There was discussion concerning this information.

Mr. Brannan gave the Board information concerning the GEFA loan being approved.

Mr. Brannan stated that he is still working with the Clayton County Development Authority in order to recover the money they owe the Authority.

Chairman McQueen announced that the July board meeting would be changed to Tuesday July 9, 2002 at 1:30 p.m.

There was a discussion concerning the economy not rebounding as anticipated and the confidence that the Board has in the Authority's management team in giving the Board guidance on making the right financial decisions for the Authority.

There was discussion concerning ways the Authority could help promote water conservation.

Upon Motion by Lloyd Joiner and seconded by Robbie Moore 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