

## CLAYTON COUNTY WATER AUTHORITY

1600 Battle Creek Road  
Morrow, Georgia 30260

Regular Board Meeting, February 5, 2004

Chairman, Pete 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, Marie Barber, Board Members, Wes Greene, J. Alan Horton, and Robbie Moore, General Manager, M. Wade Brannan, Deputy Manager, Terry R. Hicks, Department Managers, Guy Pihera, Mike Thomas, Herbert Etheridge, and Teresa Adams, Finance Director, Emory McHugh, Project Manager, Mike Buffington, Contract & Procurement Administrator, Karen Riser, Information Services Supervisor, Rodney Crowell, Network Administrator, Chris Sims, Administrative Secretary, Dianne Hammock, Executive Secretary, Janet Matthews. Also present were: Greg Hecht, Fincher & Hecht, L.L.C., Rick Hirsekorn, of CH2M Hill, Becky Massave, of Jim Wood & Associates Public Relations, Darrell Thomas and Gisele Parker of Williams-Russell & Johnson, Incorporated, and CCWA employees: Kristy McLemore, Jenny Collier, Marshall Maddox, Phillip Tittle, Lonnie Philpot, and James Drake.

Chairman McQueen, on behalf of the Board of Directors, welcomed everyone to the meeting, especially our visitors.

Chairman McQueen called on Kristy McLemore, Accounts Payable Analyst, to give the invocation.

Chairman McQueen called for any omissions or additions to the Regular and Executive Session Board Minutes of January 8, 2004. Hearing none they were approved as mailed.

Financial and Statistical Report: Chairman McQueen called on Emory McHugh, Finance Director, who presented the monthly financial and statistical report. This report was received for information with some discussion from the Board.

Mr. Brannan stated that the Authority had some issues with our auditors, which resulted in two extensions on the financial report that required Mr. McHugh and his staff to work diligently to complete this process. Mr. Brannan commended Mr. McHugh and his staff for all their hard work the last couple of weeks.

Chairman McQueen called on Rick Hirsekorn of CH2M Hill who stated that he was proud to share some news with the Board. Back in November 2003, CH2M Hill submitted to the Georgia Chapter of the American Council of Engineering Companies the

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Clayton County Water Authority UV Disinfection Project that has now been implemented and is in operation. Mr. Hirsekorn added that he is pleased to share with the Board the fact that this project was judged and awarded the Grand Award for 2004 as the top project in all of Georgia of any of the projects that were done. This is a very high honor and one that CH2M Hill could not be prouder of.

Mr. Hirsekorn stated that the Atlanta Business Chronicle, the Atlanta Journal and Constitution, and other news publications, interviewed CH2M Hill and wanted to know the key to the project. Mr. Hirsekorn answered that it did indeed involve great technical expertise, but the primary key, from CH2M Hill's prospective, is that you have to be working for a client that has the vision, the courage, and the confidence in CH2M Hill and their staff to be able put a project like this together and to bring it into implementation. CH2M Hill will receive the award on February 28<sup>th</sup>, at the annual banquet, during National Engineer's Week. Mr. Hirsekorn has talked to Mr. Brannan and invited anyone from the Water Authority who would like to be CH2M Hill's guest.

Mr. Hirsekorn added that he wanted to share the news and thank the Authority for the opportunity to do this project, so that CH2M Hill even had a chance at this award. This is an award that is in very good company. Last year, the winner was the \$350 million dollar, F. Wayne Hill Plant in Gwinnett County, which is high-tech. Mr. Hirsekorn stated that CH2M Hill is very pleased and hoped that the Authority is also. Mr. Hirsekorn added that CH2M Hill wanted to continue to earn the Authority's confidence on projects because of the ongoing construction and future projects. Mr. Hirsekorn stated that this is not the last award out of this Master Plan portfolio of projects that the Authority is going to win.

Chairman McQueen stated to Mr. Hirsekorn how much the Board appreciates what he and the engineers do and asked that when the award is received that the Board be informed so that they can recognize those that were involved in this project.

Hooper Well Recommendation: Chairman McQueen called on Guy Pihera, Manager of Water Production, who stated that he had a proposal to develop one of the Authority's wells at the Hooper Reservoir. Mr. Pihera stated that about two months ago the Authority came to the Board and asked that the Board reject a bid that had been received from Willow Construction in the amount of three hundred nineteen thousand two hundred dollars (\$319,200). Mr. Pihera added that, at that time, the Authority proposed that the project be completed with a combination of in-house and contractor labor. Mr. Pihera stated that the staff has now come up with a cost estimate for the combination of in-house and contractor labor in the amount of one hundred ninety-six thousand five hundred dollars (\$196,500). Not included in either of the two, the figure

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just quoted or the earlier bid, is forty-two thousand dollars (\$42,000) for in-house installation of the water line. Mr. Pihera stated that staff is asking the Board to approve our concept of utilizing a blend of CCWA and outside subcontractor labor for a total cost of two hundred thirty-eight thousand five hundred dollars (\$238,500) on the remainder of the development of this well at the Hooper Reservoir.

### HOOPER PRODUCTION WELL NUMBER 1 PROJECT PROPOSAL

The CCWA Board originally approved \$107,000 in the 2002 budget to begin our groundwater exploration program. Prospective well sites were located and test wells were evaluated. \$500,000 was approved in 2002A R&E funds for program development. Withdrawal and operating permits have been obtained from EPD and we are beginning to develop our first production well at the Hooper Reservoir. This well will supply approximately 1/3 million gallons per day directly to our distribution system. Construction services for these improvements were advertised. We received one bid, listed below, which was rejected by the Board at management's recommendation. We have prepared a project cost estimate that is a blend of CCWA forces and outside subcontractors.

Willow Construction (Rejected)	\$319,200
CCWA/Outside Subcontractor Estimate	\$196,500

The costs listed above do not include construction of a 6" water main to connect to the distribution system. We intend to construct the line with CCWA forces for an estimated cost of \$42,000.

We request that the Board approve our concept of utilizing a blend of CCWA and outside subcontractor labor for a total cost of \$238,500.

Individual service bids greater than \$20,000 will be submitted to the Board for approval.

Upon Motion by Lloyd Joiner and seconded by Alan Horton it was unanimously

**RESOLVED:** to accept the recommendation of staff to approve the concept of utilizing a blend of CCWA and outside contractor labor for a total cost of two hundred thirty-eight thousand five hundred dollars (\$238,500) on the remainder of the development of this well at the Hooper Reservoir.

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Mr. Pihera explained to the Board the notebooks that were distributed. Each year, the Authority's Recreation Areas and Wetlands develop an informational package for the Board to review that outlines the staff's plans for access for those recreation areas over the next year. Jep Palmer, our recreation area coordinator, puts this information together for us. Up until a month ago, this was under the direction of Dennis Hammock, so Mr. Pihera stated that he was a little rusty on some of the detail, but Mr. Pihera wanted to leave the notebooks with the Board for their review and next month if there are any questions they will be addressed at that time.

Mr. Brannan stated that on the well issue at the Hooper Reservoir the funds were part of an original allocation that the Board had made for five hundred thousand dollars (\$500,000) and there is about four hundred sixty-five thousand dollars (\$465,000) remaining of that original five hundred thousand dollars. Therefore, Mr. Brannan added that there should be a balance still in that fund beyond what is spent for this well to be used for the next well presentation.

Flint River Road 12" Line Relocation: Chairman McQueen called on Herbert Etheridge, Manager of Maintenance & Construction, who gave an informational slide presentation to the Board on the Flint River Road 12" Water Main Relocation. Mr. Etheridge stated that it has been his plan for a couple of years to take the 6" line out of service that is under the edge of the road that is subject to failure. Mr. Etheridge added that he thought the 12" line could be left in service, but found out that the 12" line would be in the center of the new roadway when completed. The Authority elected to relocate the 12" line on the north side of the road and the cost of that project would be two hundred thirty-one thousand two hundred twenty dollars and sixty-eight cents (\$231,220.68).

Mr. Etheridge explained that Mr. Brannan met with the Board of Commissioners and they have agreed to reimburse the Authority for material costs and any funds expended to Outside Contractors, approximately one hundred thirty-seven thousand two hundred seventy-five dollars and seventy-five cents (\$137,275.75). The remaining fee of ninety-three thousand nine hundred forty-four dollars and ninety-three cents (\$93,944.93) is the Authority's labor, benefits, and overhead to do the installation.

Chairman McQueen asked Mr. Etheridge who would pay for any rock that might be found.

Mr. Etheridge stated that the Authority does not anticipate hitting any rock.

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Clayton County Water Authority  
 Flint River Rd. 12" Water Main relocation  
 January 2004

The Clayton County Department of Transportation and Development is in the process of widening Flint River Rd from Tara Blvd. to Kendrick Rd. (just west of the Flint River). During this process the CCWA's existing 12" Watermain will need to be relocated due to the fact that the roadway grade is being changed and the existing Watermain would also be in the center of the new roadway when completed.

Currently the CCWA has a 12" watermain on the south side and a 6" watermain on the north side of Flint River Rd. We will be installing approximately 3,400' of 12" watermain on the north side of the new road and taking the existing 6" and 12" mains out of service.

The Sewer System will require minimal work. We anticipate having to lower 2 manholes and replace approximately 40' of a 4" plastic sewer service with 6" Ductile Iron. The material cost for the Sewer System work will be less than \$500.00 and will require approximately 2 days of CCWA labor.

The new watermain installation will exist of:

Installing 3,400' of 12" watermain connecting two existing 16" mains on Tara Blvd and Roberts Dr.

Reconnection of four CCWA 6" and/or 8" watermains.

Reconnection of 4 large meters or Fire Connections (this involves 3 road crossings)

Reconnection of 6 small water meters.

Removing the existing 6" and 12" mains from service.

We anticipate the work will take approximately 10 weeks. The Clayton County Board of Commissioners (CCBOC) has agreed to reimburse the CCWA for all Material costs and for any funds expended to Outside Contractors. The CCWA will provide the labor for the installation of the Watermain. Details are as follows:

Material Cost	\$ 122,759.75
Outside Services (sawing and temp replacement of asphalt)	\$ 14,516.00
CCWA labor, benefits, overhead	\$ 93,944.93
Total estimated project cost	\$231,220.68

Based on this estimate the CCBOC would reimburse the CCWA \$137,275.75.

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

RESOLVED: to approve the installation of 3,400' of 12" watermain connecting two existing 16" mains on Tara Boulevard and Roberts Drive, reconnection of four CCWA 6" and/or 8" water mains, reconnection of 4 large meters or Fire Connections (involving 3 road crossings), reconnection of six small water meters, and removing the existing 6" and 12" mains from service with the understanding that the Clayton County Commissioners would reimburse the Authority for material costs and Outside Services (sawing and temporary replacement of asphalt) in the amount of one hundred thirty-seven thousand two hundred seventy-five dollars and seventy-five cents (\$137,275.75). The Authority would pay for CCWA labor, benefits, and overhead in the amount of ninety-three thousand nine hundred forty-four dollars and ninety-three cents (\$93,944.93).

Mr. Brannan stated that with any future projects with the County, the Authority would try to incorporate the material costs as well as the cost for labor and equipment, with these funds being taken out of the County's SPLOST fund, with no cost to the Authority.

Chairman McQueen stated that it was good for the Authority that Mr. Brannan had the kind of relationship with the Commissioners to work together on the various road improvement projects and appreciated the Commissioners providing SPLOST funding to assist the Authority with costs relating to these projects.

Solids Dewatering Update: Chairman McQueen called on Mike Buffington, Project Engineer, who gave the Board an update on the Solids Dewatering Project.

SOLIDS DEWATERING FACILITIES  
FREEMAN ROAD WPP, J. W. SMITH WPP  
AND SHOAL CREEK WRF  
PROJECT UPDATE

Project includes detailed design and preparation of construction documents of solids dewatering facilities for the biosolids generated by the Shoal Creek WRF, and alum residuals generated by the J. W. Smith WPP and the Freeman Road WPP. Design is in accord with the "Residuals Management Plan" dated June 2002, prepared by CH2M Hill. In general the project includes one dewatering facility at Shoal Creek WRF to handle Shoal Creek and J. W. Smith solids, and one facility at Freeman Road. Residuals will be dewatered using centrifuges.

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Construction documents have been approved by Georgia EPD, Wastewater Section and Drinking Water Section, and will be advertised for bids February 9, 2004. Bids will be opened March 11, 2004, and presented to the Water Authority board April 1, 2004.

Project Managers:  
CH2M Hill, Engineers – Jim Hawley  
Clayton County Water Authority – Mike Buffington

Estimated Construction Cost:  
\$ 6,000,000

Funding:  
The project is funded by the Series 2001 Bond Issue.

Mr. Buffington gave a follow up from the last Board meeting showing the slides of the W. B. Casey Plant and the intended demolition areas. Mr. Buffington commented that Mr. Horton had asked if the Authority had a similar slide showing the demolition of the Jackson Plant. Mr. Buffington showed a slide of the Jackson facility on Thomas Road right off Highway 54 indicating the proposed demolition areas and explained that the Authority would utilize the lower portion of the site and would construct two pump stations. One pump station would be for the raw waste that would be pumped up to the new Casey Plant and the other pump station would be for the treated effluent that would be pumped over to the Huie site. Mr. Buffington added that there would be an electrical building there and the entire area would be fenced. The remainder of the site would not be used and all structures indicated in red would be demolished, the site would completely be re-graded and the area then would be available for green space or a park.

Board member, Robbie Moore, asked when the Authority is anticipating the Jackson Plant project to be completed.

Mr. Buffington stated that once the new plant is in operation, and right now their schedule is to start up May or June, immediately after that, the demolition would start. Brasfield & Gorrie are saying that they will have all the work completed by the end of 2004, but are hoping earlier than that.

SCADA Demonstration: Mr. Buffington continued with the Wastewater Lift Station SCADA project stating that last month the Board was given an update which finalized the project with final costs and indicated at that time that staff would do a live demonstration this month. Mr. Buffington gave a quick review of the project and then turned the presentation over to Chris Sims.

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There was a slight delay while Mr. Buffington and Mr. Sims changed out computer equipment.

Chairman McQueen thanked Ms. Barber, Mr. Greene, Mr. Horton and Mr. Hirsekorn, along with Mr. Brannan and Mr. Hicks for attending the Chamber Banquet and representing the Authority.

Mr. Brannan recognized Marshall Maddox and Phillip Tittle, who were sitting in the audience, who both worked hand-in-hand with Mr. Sims and the Authority's contractor on the lift stations to make this system work. Mr. Brannan stated that Mr. Maddox and Mr. Tittle both do a really good job for the Authority, working twenty-four (24) hours a day if necessary, overseeing the lift station operations. Mr. Brannan added that if this system were not up, Mr. Tittle would be the next best system. There were chuckles from the audience.

Mr. Sims, Network Administrator, was ready to give a live demonstration of the SCADA system and explain the information that is generated by the system. Mr. Sims stated that the Authority has about twenty-eight lift stations throughout the County and in order to get these particular lift stations to communicate to the Authority's main facility at the Casey Plant, the Authority uses repeaters. Mr. Sims added that it was good that the Authority has our own water tanks, because the repeaters can be mounted on the tanks, which saves us the cost of towers. Mr. Sims stated that our main repeater site is the 138 west tank off 85 and 138, and we also have one at the Conley Road tank, one at the 138 east tank, and one on the Lovejoy tank.

Mr. Sims explained that the Authority also put in another Wide Area Network connection for all our remote facilities, which is totally separate from our administrative network, so there are not any issues with security or down time. Mr. Sims showed the Board what a typical lift station looks like and showed what it would look like out in the field. Mr. Sims stated that this particular design is an aboveground, with a cover over the top of it, which has four pumps, showing the wet well and the level of the wet well which will rise. We can see our flows at the station and we can start and stop pumps. Instead of using maps, our operators can see all of our lift stations that we have in the County with this live system.

Another site that is a bit different, but is an important site, is the Inman Road pump station. Right now the Authority has another laptop computer or what is known as a "view node", which allows us to view the system, but not control the system. This view node at the Land Management building or control facility will allow Lonnie Philpot or Alice Cook to see the information coming off of the Inman Road Wetlands pump station,

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which shows the effluent going to the Shoal Creek reservoir. This allows the Authority to do reporting to EPD and also allows us to see not only station totals but historical data as well. Later, the Authority is planning to purchase another view node for our Wastewater Management section to allow them to see in a heavy rain flow which particular lift station is getting hit the hardest. This system will allow the Authority to see this information live as it happens. Mr. Sims stated that this particular system is set up well and he is glad to have been a part of it.

Chairman McQueen asked how long the Authority has had this information.

Mr. Buffington stated that the Authority just accepted the project last month, but the Authority has been live for a few months, as the Authority has been checking out the system. This system will give Mr. Tittle a lot more information and a lot better control over the lift station system.

Vice Chairman Joiner asked if the staff had a running average for the lift stations.

Mr. Sims explained that the trending data provides a running average based on data put out by the pumps, data that will be by hour, by day, or by week and make the data available to see it by “real time” or by chart graph.

Marshall Maddox commented that the Authority is logging pump-hour times on an average and it will trend, showing which pump stations are running the most and the wet well levels. Over a month period, it will generate a report and we will be able to see if the pumps are wearing out, the flows, and the run-time hours. If any of these run-time hours become excessive, then we know that we have pump efficiency problems.

Mr. Sims thanked the Board for the Authority’s ability to be able to install this SCADA system and have this data available and added that the security involved with this system is extensive.

Chairman McQueen stated that the Board is always amazed at the technology and what the employees can do. Chairman McQueen thanked Mr. Sims for the information on the SCADA system.

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PROJECT UPDATE  
WASTEWATER LIFT STATION  
SCADA SYSTEM

The project includes remote monitoring of 26 wastewater lift station sites reporting to the W. B. Casey WRF, and three water sites reporting to the existing SCADA system at the Freeman Road WPP. Communications are via spread spectrum radio system, and hardware and software is included to monitor and control lift station operation.

*Project Managers:*

CH2M Hill, Engineers (Design) – Yvette Ratzlaff

CH2M Hill, Engineers (Construction Manager) – Dave Goddeyne

Clayton County Water Authority – Mike Buffington

*Construction Contract Summary:*

General Contractor – Curry Controls Co., Lakeland, Florida

Bid Amount – \$1,254,000

All construction work is complete, with the exception of minor punch list work, and the contractor is addressing final operational issues

Final Contract Amount – \$1,230,829.07

*Funding:*

Series 2001 Bond Issue

Huie Wetlands Task Order Amendment: Chairman McQueen called on Mike Thomas, Manager of Program Management & Engineering, who stated that the Board had approved a few months ago a task order for Design of Phase II and Phase III of the Huie Constructed Wetlands and wanted to present some slides to show the different phases of the project.

Mr. Thomas stated that currently the Authority has Phase I under construction. Part of the Phase II and Phase III Design Task Order the Board approved was some subsurface geo-technical investigations and design of Phase II & III. Phase II has the

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capacity of 3 million gallons per day and Phase III has capacity of 2.8 million gallons per day. The task order also included bid services from CH2M Hill, a preliminary workshop, where we look at the entire Huie site and determine how we were going to operate and phase things in, in the future. Staff has recently completed the workshop. The budget for the original task order was four hundred fifty-seven thousand six hundred dollars (\$457,600) and it is funded by the Series 2001 Bond Issue.

Mr. Thomas added that this was how the Authority originally scheduled the phasing in of the Wetlands. Phase I is under construction and if we complete that one on schedule, the Authority will be able to get Phase II under construction and in operation by 2006, Phase II in 2008, and Phase IV in 2009, when we would reach the 15 million gallons per day that the permit allows. Mr. Thomas stated that this gives the Board an idea of the Land Application System and how it is set up. As the Authority is under construction with phase I, we are taking Land Application capacity out of our system and we could not do this all at once. When Phase I and Phase II are complete, we will have 6.6 million gallons per day capacity and that will allow us the flexibility to take more of the system out of operation at one time. Phase III will provide 2.8MGD and Phase IV, an additional 5.8MGD to give us a total of 15 million gallons that we hope to have. This plan should be enough capacity to take the Authority to 2010, but if we need more capacity beyond that, the Authority has some additional sites that have been identified for future dates.

Mr. Thomas stated that when the staff took a closer look as they went through the workshop, staff realized that we would have to do Phase I separately, and then Phase II separately, but at the point of completing Phase II the Authority will be able to go into construction of Phase III and Phase IV at the same time and accelerate the schedule and probably see real cost efficiency from constructing the two phases at the same time. This should save the Authority at least a year in getting the Wetlands in operation.

Mr. Thomas stated that what the staff is proposing today is to go ahead and add Phase IV to the current task order with an amendment in the amount of three hundred forty thousand dollars (\$340,000) which would bring the total task order amount to seven hundred ninety-seven thousand six hundred dollars (\$797,600) which would provide a total of 11.6MGD of Wetlands. Mr. Thomas added that this is a very efficient design cost which is another reason that staff recommends going ahead with this. The design of that 11.6MGD costs is about half what the Authority paid for the previous design because CH2M Hill has the process underway and once you design one wetland cell the process is pretty similar, we keep the same people working, which makes the entire process more efficient.

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Upon Motion by Robbie Moore and seconded by Alan Horton it was unanimously

RESOLVED: to approve the Proposed Task Order Amendment for the Huie Constructed Wetlands to include Phase IV in the amount of three hundred forty thousand dollars (\$340,000) which would make the total Revised Task Order in the amount of seven hundred ninety-seven thousand six hundred dollars (\$797,600).

AMENDMENT TO  
 HUIE CONSTRUCTED WETLANDS  
 PHASE TWO AND THREE DESIGN

This project includes design of Huie Constructed Wetlands Phase Two with an approximate treatment capacity of 3.0 MGD, and Phase Three with an approximate capacity of 2.8 MGD. The project includes preparation of construction documents for wetland cells, plantings, control structures, and connection to the Phase One conveyance piping system. The design process includes subsurface geo-technical investigation, schematic and detailed design, and bid services for phase two wetlands. Phase three will be a separate set of documents for bidding and construction after Phase Two.

This proposed amendment includes design of Phase Four Constructed Wetlands with an approximate capacity of 5.8 MGD. Phase Four will be included as a part of Phase Three documents and constructed after completion of Phase Two. Design of Phase Four along with Phases Two and Three will allow the same design team to complete all phases of Huie Wetlands and will result in some overall design savings. Total capacity of the four phases will be approximately 15.2 MGD.

*Project Managers:*

CH2M Hill, Engineers – Jay Kirk  
 Clayton County Water Authority – Mike Buffington

*Original Task Order Amount:*

\$ 457,600

*Proposed Amendment Amount:*

\$ 340,000

*Revised Task Order Amount:*

\$ 797,600

*Funding:*

The project will be funded by the Series 2001 Bond Issue.

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Shoal Creek Reservoir Update: Mr. Thomas continued with the Shoal Creek Reservoir update, with a slide presentation for informational purposes. The Shoal Creek Reservoir is the last reservoir that the Water Authority built and a lot of insight and planning was involved in that process. It has been a long string of events that has brought us to this point in time.

Mr. Thomas stated that the Shoal Creek Reservoir was included in the 1986 Master Plan when it was first recommended that the Water Authority go ahead with the reservoir. In 1989, the Authority was issued a permit to draw up to 40 million gallons a day from the Flint River, which would allow us to eventually build the Shoal Creek Reservoir.

One of the biggest pieces to building a reservoir is the permitting that you do with the U. S. Army Corp of Engineers. That permit was first submitted in April 1992. In September of 1996, the construction of the reservoir was completed and March 7, 2001 it reached full pool, but the Authority was still undergoing some of the Wetlands Mitigation process that the Corp required. There were several facilities that were built that were required as part of that mitigation plan. Mr. Thomas stated that the Boy Scout Lake Wetlands on the Huie site was part of the mitigation work that the Authority did in response to flooding those wetlands in the Shoal Creek Reservoir. On Jesters Creek, off Battle Creek, Mr. Thomas added that the Authority also did other work to preserve and enhance those wetlands.

The Corp of Engineers, finally in January of this year, signed off on the final monitoring report as a result of all that work. Mr. Thomas stated that their signing off has cleared the Authority of any additional work in that area that we have to maintain. Mr. Thomas stated that this has been a fifteen (15) or sixteen (16) year process of getting from the initial concept to receiving the final approval from the Corp of Engineers. Mr. Thomas added that some people have been here at the Authority that long, Mike Buffington has seen that whole process and someone else who has seen the entire process is Lonnie Philpot. Mr. Thomas asked Mr. Philpot to stand and stated that Mr. Philpot shepherded this wetlands mitigation process all the way through, doing a good job preparing reports, doing the monitoring work, and corresponding with the Corp of Engineers. Mr. Thomas added that he could vouch, first hand, that getting the Corp of Engineers to do anything in a hurry is difficult. Mr. Thomas congratulated Mr. Philpot for all the work he did with the Corp of Engineers in getting them to give the Authority the final signoff, the last official act of the Shoal Creek Reservoir and Wetlands Mitigation. Mr. Thomas thanked Mr. Philpot for all his hard work.

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Chairman McQueen stated how much the Board appreciates Mr. Philpot's efforts in bringing this project to completion.

### Shoal Creek Reservoir & Wetlands Mitigation

Drought conditions in the mid to late 1980's made the Water Authority consider additional water supply reservoirs because of limited surface water supplies. The development of the Water Authority's last reservoir, Shoal Creek, required extensive wetlands mitigation permitting. This process began in 1992 when the CCWA submitted the permit application to the U.S. Army Corps of Engineers. The process did not end until last month with the final sign-off on all mitigation projects by the Corps of Engineers. Many Water Authority employees have been involved in that process but Lonnie Philpot played a major role in coordinating and implementing the wetland mitigation requirements. A timeline for this project is listed below.

August 1986 – Reservoir was recommended in the 1986 Supplement to 1980 Ten Year Master Plan

Cultural Resources Study prepared July 1989

Archaeological Reconnaissance for the proposed Shoal Creek in August 1989

January 20, 1989 – EPD issued permit to withdraw up to 40.0 MGD from Flint River

April 10, 1992 – Submitted application for USACOE Section 404 permit

October 1992 - Phase I Cultural Resource Survey prepared

April 20, 1994 – USACOE issued 404 permit

February 24, 1995 – Construction permit issued by Georgia EPD

April 6, 1995 – Opened bids for construction, low bidder Reynolds, Inc. \$2,493,835

October 1995 - Wetland Center dedicated

June 1996 - Three prehistoric archaeological sites identified

September 1996 – Completed construction

February 1997 - Safe Dams Program approves work on Boy Scout Dam wetland mitigation area

December 1997 - Dukes Pond berms and structures completed-five year monitoring begins

January 1999 – Wetlands mitigation plan approved

February 5, 1999 – Gate closed

August 1999 - First of five monitoring reports submitted to Corps of Engineers

March 7, 2001 – Reservoir reached full pool impounding 2.19 Billion Gallons

March 7, 2002 – Completed monitoring as required by Georgia EPD Fill/Monitor Plan

January 26, 2004 - Final Project Closure Letter received from U.S. Army Corps of Engineers

More than 15 years from conception to reality

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Barnett Road Sewer Easement Abandonment: Mr. Brannan explained to the Board that there is a development that is coming to Forest Park that is going to require that some sewer easements be abandoned for placement of some buildings in the area. Mr. Brannan explained that this is basically house cleaning to move the title issue to this property owner to realign these sewer lines and to do away with the old easements and accept the new easements. Mr. Brannan stated that it is the recommendation of the staff to abandon the existing sanitary sewer lines and associated easements and replace them with the relocated sanitary sewer lines and easements at no cost to the Authority.

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

RESOLVED: to approve the staff's recommendation to abandon the existing sanitary sewer lines and associated easements on Barnett Road in Forest Park and replace it with the relocated sanitary sewer lines and easements.

#### Barnett Road Sanitary Sewer Easement Abandonment

A development known as Atlanta Air Logistics Center II is under construction on Barnett Road in Forest Park. Due to this construction, a portion of sewer is required to be relocated by the developer for building locations.

The existing sanitary sewer line and associated easement shall be abandoned and replaced with the relocated sanitary sewer line. The developer is requesting the Water Authority and Clayton County to quitclaim the sanitary sewer easement back to the property owner to be able to close on the property.

A deed of conveyance for the relocated portion of sewer has already been granted to the Water Authority and a copy is included for your review.

Stagecoach Road 12" Water Line Extension: Mr. Brannan stated that he would like the Board to amend the agenda for an issue that has come up in the last week or so on Stagecoach Road where the Authority needs to extend a 12" water line. Mr. Brannan stated that in the 1990 Master Plan there was a recommendation to install a 12" water line at Ellenwood Road and Panola, down Stagecoach, down Rex Road, back over to State Route 42. There are several developments that are going up along Stagecoach Road and our staff has been out checking pressures for fire protection on the existing six-inch line. The Authority does not recommend putting those additional developments in with the existing service level that the Authority has. Mr. Brannan stated that what the staff is recommending is to extend that 12" line from Panola, down Stagecoach, beyond these

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developments to be sure that the Authority has adequate pressure for fire flow and service in this area. Mr. Brannan added that it is about 3500 feet of this 12" line, which would basically be the first phase of the Line 10 that was recommended in the 1990 Master Plan. Mr. Brannan explained that the Authority does have funds that are available in the 2001 Bond Issue that was set-aside for Distribution System Improvements. Mr. Brannan added that the Authority brings this recommendation to the Board so that Mr. Etheridge and his staff can proceed with the installation of this 12" line in a timely manner. Mr. Brannan added that the cost would be one hundred fifty-five thousand six hundred seventy-two dollars (\$155,672) which would be funded by the 2001 Bond Issue.

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

RESOLVED: to approve the installation of the 12" water line down Stagecoach Road to be funded by the 2001 Bond Issue in the amount of one hundred fifty-five thousand six hundred seventy-two dollars (\$155,672).

Board Member, Robbie Moore, asked Mr. Brannan to check with the County Transportation & Development for some SPLOST funds as the County would probably be doing some widening of Stagecoach Road.

Mr. Brannan stated that what Mr. Moore has brought up is a good point. Any future water and/or sewer improvements would be coordinated with the County for any projects they might be planning that would be funded by the SPLOST funds.

Chairman McQueen stated that he had knee replacement and the Board finished in forty-five minutes. There were chuckles from the Board.

Board member, Wes Greene, stated that he counted eight pages of cut-offs with a value of fifty thousand dollars (\$50,000) and asked why the Authority had so many cutoffs in this month's agenda book.

Chairman McQueen asked Mr. McHugh to explain.

Mr. Hicks informed the Board that Morris Kelly would be the staff member to address the list of cutoff accounts. Mr. Kelly was not in attendance, but would provide an answer to the Board at the next meeting.

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Board member, Robbie Moore, agreed that fifty thousand dollars was a lot of money.

Board member, Lloyd Joiner, commented that over a period of time there was a lot of discussion making sure that the Authority did not cut any water off. Every time this subject came up, because someone would go on vacation and his or her water would be cut off. Mr. Joiner added that he knew there was a lot in the minutes pertaining to this in the past and the Authority should make sure that we do not overreact now.

Mr. Brannan stated that the Authority would have Mr. Kelly to give the Board an explanation at next month's Board meeting.

Mr. Greene asked that Mr. Kelly give a comparison of how these figures compare with previous months or this time last year and added that maybe it is the economy.

Mr. Brannan stated that individuals that have come to the Authority want to know why we have the security that we have in order to see someone upstairs. Mr. Brannan explained to them that if you have children at home and you turn their water off and you cannot cook or bathe, you would make them mad and they maybe unhappy when they come into the Authority.

Upon Motion by Robbie Moore and seconded by Wes Greene 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.

Board member, Robbie Moore, discussed the need for a new vehicle for the General Manager of the Authority and asked the Authority to look into purchasing a vehicle under the state contract, which would be the best deal for the Authority.

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

RESOLVED: that the Board approves the purchase of a new vehicle for the General Manager and to purchase this vehicle under the state contract.

Vice Chairman Joiner wanted to point out that that might be Mr. Moore's last motion. There were chuckles from the Board.

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Mr. Brannan informed Mr. Greene that the Authority had checked into putting a light up at the Shamrock CUB sign on Freeman Road, which would make it more visible at night, and stated that it should be up within two weeks.

Mr. Brannan stated that the Authority received a letter from the City of Atlanta about their rate increase that they have put in place. Mr. Brannan added that it should not have a lot of impact on the Authority.

Mr. Brannan added that the City of Atlanta did not say anything about the money that the Authority owes them. Mr. Brannan had called the headman and he had referred Mr. Brannan to someone else, he called that person twice, and no one has called back.

Mr. Moore and Mr. Greene commented that Mr. Brannan should not call them any more.

Ms. Barber commented that the City of Atlanta still shows the Authority as owing them money though.

Mr. Hicks stated that the City of Atlanta sent the Authority another invoice and they had turned it over to their collection arm, their finance group. Mr. Hicks told the City of Atlanta to talk to their Watershed Management people and let them explain why the Clayton County Water Authority was not ready to pay this bill.

Mr. Brannan stated that the Authority would be taking the same holidays as the County, with the exception of Veterans Day, Thursday, November 11, 2004. Mr. Brannan explained that the Authority takes a floating holiday in place of Veterans Day, with the total number of holidays the same as the County.

Mr. Brannan stated that the Authority was contacted to set an irrigation meter for the new police station site. As previously established by the Board, impact fees are not charged for a County building, but they will be charged for any installation costs that the Authority might have for putting it in and the charges for water.

Mr. Brannan stated that the new NCR payment processor is in and should be operational in the next week or so. The Authority just did get the new unit in, as the Authority was contacted that Unisys would no longer support the old machine.

Mr. Brannan stated that the pump station at the Shoal Creek Reservoir that pumps water out of the Smith Reservoir up into the Shoal Creek reservoir was damaged, along

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with some electronic gear and some of the SCADA system by gunshots. A police report was filed, but no one has been apprehended. The cost to repair the SCADA equipment was actually covered under the insurance of the contractor that was building it for the Authority. There was some damage to our building and other equipment that we had there, which was repaired by CCWA employees. The police are still working on this case.

Mr. Brannan commented that the person that was handling the possibility of putting up a cellular tower at the Jackson site had their contract expire with T Mobile and T Mobile is suppose to appoint another representative. During this time Mr. Brannan had our attorneys involved and the County's attorneys involved reviewing their proposal. Until a new representative is in contact with the Authority, Mr. Brannan will no longer pursue this proposal. Mr. Brannan had considered two thousand dollars a month as a ballpark figure to propose to the cellular tower company.

Mr. Brannan suggested that the Board check their calendars and let management know if they would want to attend the AWWA Annual Conference, June 13-17, 2004 in Orlando, Florida or if they would prefer to attend the Water Environment Federation Conference in New Orleans, Louisiana from October 2-6, 2004.

Chairman McQueen asked that each Board member check their calendars and let Mr. Brannan know at the next Board meeting which conference they would be able to attend.

Mr. Brannan proposed that the Authority control the bidding process on projects where the Authority participates at a certain percentage of the cost of a sewer line extension. To minimize our liability on any job where the Authority is participating at a percentage, Mr. Brannan will handle the front-end with our staff internally, to be sure that the job is bid right, and that the contractor meets all our insurance and bonding requirements. The developer will have to provide all the engineering, buy any right of way and pay any legal cost associated with condemnation. Mr. Brannan stated that this is the way that the Authority would move ahead on all sewer line extensions where the Authority participates at a certain percentage of the cost. Mr. Brannan added that this is kind of a policy and Mr. Fincher would be writing this up for the Authority.

Mr. Brannan advised Ms. Barber that an adjustment to Mr. Rueben Phillips account has been made.

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Mr. Brannan wanted the Board to be aware that Ed Durham's daughter, who is in school in Milledgeville, was having a severe headache and was hospitalized. After having a cat scan and spinal tap, they will be bringing her to Atlanta for more tests.

The Board commented that Mr. Durham was leaving on his mission trip on the 12<sup>th</sup>.

Vice Chairman Joiner stated that Mr. Durham and Mr. Thomas expressed sincere appreciation to the Authority for working with them and being able to go on their mission trips.

Chairman McQueen commented that it was just 3:15 p.m. and the meeting was over.

Ms. Barber made the comment that it will not be the same without Mr. Moore here.

Mr. Moore laughed and said that he was going to be a heckler and sit right in the back of the room.

Upon Motion by Robbie Moore 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.

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Pete McQueen, Chairman

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Walter Marie Barber, Secretary/Treasurer