



RIVANNA WATER & SEWER AUTHORITY

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RWSA BOARD OF DIRECTORS Minutes of Regular Meeting June 25, 2007

A regular meeting of the Rivanna Water & Sewer Authority (RWSA) Board of Directors was held on Monday, June 25, 2007 at 2:00 p.m., in the Conference Room, Administration Building, 695 Moores Creek Lane, Charlottesville, Virginia.

Board Members Present: Mr. Gary Fern, Mr. Michael Gaffney – Presiding, Ms. Judith Mueller, Mr. Gary O’Connell, and Mr. Robert Tucker.

Authority Staff Present: Ms. Anne Bedarf, Mr. Richard Defibaugh, Mr. Bruce Edmonds, Mr. Tom Frederick, Mr. Randy Jones, Mr. Chuck Kent, Ms. Mary Knowles, Mr. Steven Miller, Ms. Michelle Simpson, Ms. Jennifer Whitaker, Ms. Kathy Ware, Dr. Robert Wichser, and Mr. Lonnie Wood.

Also Present: Mr. Keith Boisvert – Virginia Department of Environmental Quality’s Valley Regional Office, Mr. Douglas M. Caldwell –Field Director of Virginia Department of Health’s Office of Drinking Water, Ms. Lauren Hildebrand –Charlottesville City Utilities Director, Mr. Kurt Krueger – RWSA Attorney, Mr. Federico E. Maisch – Principal with Greeley and Hansen, Mr. Larry Simmons – Virginia Department of Environmental Quality’s Valley Regional Office Deputy Director, members of the public, and media representatives.

1.0 Call To Order

The regular meeting of the RWSA Board of Directors was called to order by Mr. Michael Gaffney on Monday, June 25, 2007 at 2:00 p.m., and he noted that a quorum was present. Before proceeding to **Agenda Item 2.0, Minutes of Previous Board Meeting**, Mr. Gaffney recognized Ms. Judith Mueller for a special introduction. Ms. Mueller stated that she was very pleased to introduce Ms. Lauren Hildebrand, the new Public Utilities Director for the City of Charlottesville. Ms. Hildebrand is a Professional Engineer with an undergraduate degree from Georgia Tech and a master’s degree in Environmental Engineering from Clemson University. She previously worked at a sewer authority located in Greenville, South Carolina. Ms. Mueller also thanked Mr. Tom Frederick and Mr. Gary Fern who were part of the selection committee.

2.0 Minutes of Previous Board Meeting

Mr. Gaffney asked if there were any additions or corrections to the minutes of the May 21, 2007 Board of Directors meeting. Mr. Fern noted that on page 7, the very last word “Graves” should be corrected to read “Thraves.”

Mr. Tucker moved that the Board of Directors vote to approve the minutes of the regular Board meeting held on Monday, May 21, 2007 as amended by Mr. Fern, seconded by Mr. O’Connell. The motion was approved by 5 – 0 vote.



3.0 Executive Director's Report

Prior to presenting his report, Mr. Frederick stated that he was also pleased with Ms. Hildebrand's appointment. He felt that she would be a valuable member of the team as she brings a lot of expertise to the position.

Mr. Frederick next reported that May and June were critical months for monitoring stream flows since this was considered the "dry season," and indicators of a potential drought would be observed during that time frame. This year's rainfall totals are below the yearly average but considerably better than what was experienced in 2002. Based on the year-to-date information, and assuming rainfall throughout the summer remained at least on the same trend as May – June rainfall, RWSA felt that the water supply would not be severely impacted in the short term. Stream flows would continue to be closely monitored should moderate drought conditions develop during the mid to late summer time frame. The decision was made 10 days ago by RWSA to start withdrawing water from the Ragged Mountain Reservoir and close the Sugar Hollow intake in preparation for hurricane season. The Sugar Hollow Reservoir, as well as all of Rivanna's reservoirs, is full at this time, which meant that the Moormans River will be experiencing natural flow for the next several weeks as long as the water supply is not compromised.

Mr. Frederick further stated that based on the staff's long-term planning instrument, there were no items that would require Board action in July. Staff was therefore recommending that the Board exercise its discretion at the end of this meeting to cancel the July Board meeting.

Mr. Frederick also reported that staff was in the process of scheduling the public meeting requested by the Board concerning phasing the Community Water Supply Plan. No date has been confirmed at this time.

Mr. Fern next referenced the statement in the Executive Director's report that read: "... we are currently only one inch below normal in rainfall for the year-to-date." He then inquired about the source for RWSA's year-to-date figures since *The Daily Progress* was reporting a larger deficit. Mr. Frederick stated that a running spreadsheet maintained by RWSA staff on the average rainfall for the Charlottesville area as posted by the National Weather Service is compared against year-to-date rainfall numbers provided by the Charlottesville-Albemarle Airport. Rainfall numbers being reported for this area are dependent upon the location of the rain gauges. The official National Weather Service rain gauge at the airport was indicating that rainfall was one inch below normal. Last year at this time, RWSA was reporting that rainfall was seven inches below normal.

4.0 Items from the Public

There were no items from the public.

5.0 Consent Agenda

Mr. Gaffney asked if there were any items that the Board members would like to pull for questions or further discussion from the Consent Agenda.

- 5a) Staff Report on Finance
- 5b) Staff Report on Operations
- 5c) Staff Report on On-going Projects
- 5d) Personnel Manual Changes
- 5e) Emergency Repairs to Moores Creek WWTP Filter Press
- 5f) Allocation to StreamWatch

In regards to **Item 5d), Personnel Manual Changes**, Mr. Fern inquired about the reasoning behind RWSA's request that the Board of Directors delegate the administration of the Voluntary Early Retirement Incentive Program (VERIP) to the Executive Director. Mr. Frederick stated that the Authority did not question the Board's discretion to continue the VERIP program for eligible employees or discontinue the program for all employees at any point in time. Rather, RWSA was requesting this personnel change to address potential legal issues that might arise from specific Board actions to approval individual employees who apply for this program.

In regards to **Item 5e), Emergency Repairs to Moores Creek WWTP Filter Press**, Mr. Fern asked what RWSA felt would be the benefit from conducting a metallurgical analysis related to the failure of an older piece of equipment. Mr. Frederick recognized Dr. Wichser who stated that the unit was put into service in February 2001. An initial review of equipment fragments by the Capital Projects Engineer found that the cracks might have been present for some time in the unit. A university professor that was recommended to the Authority will conduct an in-depth analysis to determine how long the cracks have been present in the equipment. The expensive unit had only a one-year warranty, which is no longer in effect. Mr. Fern then commented for clarification that the basis for undertaking the metallurgical analysis would be to possibly prove that the cracks were caused by the manufacturing process. Dr. Wichser replied in the affirmative, and Mr. Frederick added that due to the high replacement cost, RWSA would perform due diligence in this process.

In regards to **Item 5f), Allocation to StreamWatch**, Mr. Fern commented that he was having a somewhat difficult time with this allocation request due to the Albemarle County Service Authority's (ACSA) recent rate increase. Although StreamWatch did very good work, he felt the 33% increase was somewhat excessive and inquired if a smaller increase could be proposed at this time. Mr. Tucker added that since both the City and the ACSA had experienced significant rate increases, he would suggest an alternative increased allocation of \$8,000 to StreamWatch. Mr. Gaffney next inquired about StreamWatch's contributions to RWSA during the Community Water Supply planning process. Mr. Frederick stated that StreamWatch did not provide direct support toward the Community Water Supply Plan. One item mentioned in the Board report that related to direct technical support provided this year to RWSA by StreamWatch concerned measuring the effects of the Hydro Plant operation on the South Fork water quality. During the July to September time frame when stream flows decrease, water is drafted into the Hydro Plant at different levels of the reservoir, which can result in colder water being released. In order to prevent a habitat or water quality issue, RWSA will exercise the decision in certain situations to shut down the operation of the Hydro Plant. StreamWatch has assisted RWSA directly with monitoring and conducting benthic macroinvertebrate surveys while the Hydro Plant is in operation. Mr. Frederick suggested that beyond this one item the discussion should be focused on RWSA's equitable share of the contribution toward StreamWatch's work for the

entire community. StreamWatch was requesting increased funding from all of its partners in order to provide additional services related to more in-depth analyses on the possible link between population and stream health. Mr. Tucker then asked if the additional \$2,500 was the amount requested by StreamWatch, and Mr. Frederick replied in the affirmative. Mr. Frederick also stated that the additional funding request was not an ongoing commitment to StreamWatch by RWSA. He also understood the point expressed today concerning the recent rate increases imposed by the City and ACSA.

As there were no further questions or discussion, Mr. Tucker moved that the Board of Directors vote to approve Items 5a), b), c), d), e), and f) of the Consent Agenda as recommended by RWSA staff, seconded by Mr. O'Connell. The motion was approved by a 5 – 0 vote.

6.0 Other Business

In regards to **Item 6a), Award of E2 Designation for South Rivanna Water Treatment Plant**, Mr. Frederick recognized Ms. Anne Bedarf, Rivanna's Safety and Environmental Manager, who would provide some background information on the E2 designation being awarded today and introduce a special guest in attendance at the meeting.

Ms. Bedarf stated that she was pleased to announce that the South Rivanna Water Treatment Plant was accepted into the Virginia Department of Environmental Quality's (DEQ) Environmental Excellence Program. Through the hard work and wide range of experience of Rivanna staff, as well as building on the Moores Creek experience, the facility was able to attain the E2 designation. The benefits derived from participating in the Environmental Management System (EMS) include increased communication, training, and awareness, which impact all levels of the organization. One of the significant aspects not mentioned in the Board report concerned the implementation of a water flavor panel to assist with proactively addressing taste and odor issues with RWSA's drinking water.

Ms. Bedarf next introduced Mr. Larry Simmons, Deputy Regional Director for DEQ's Valley Regional Office, and Mr. Keith Boisvert also from DEQ's Valley Regional Office, who were in attendance at today's meeting. She then asked Mr. Simmons to come forward and present the E2 award.

Mr. Simmons first presented background information on the Virginia Environmental Excellence Program (VEEP) for the benefit of those in the audience who were not present at previous award events. He stated that DEQ utilized the program to promote the use of EMS and pollution prevention as a means to achieve greater environmental quality and improved organizational performance. VEEP was based on the principles of ISO 14001, the international standard for EMS, which originated in Europe in the early 1990's. The program will be seven years old on July 1, 2007, and currently there are several hundred facilities that have been accepted into the program or have applications pending. Although regulation continues to play a part in environmental response today, voluntary efforts are playing an increasingly larger role in order to reduce footprint and save resources.

Mr. Simmons further commented that VEEP is DEQ's voluntary recognition and incentive program. Facilities in the program have committed to not only be in compliance with environmental rules but to also strive for continuous environmental improvement, which requires innovative thinking, leadership, and partnerships. VEEP is an example of a successful partnership. In the late 1990's, DEQ worked with leading companies, citizen groups, and government agencies throughout the Commonwealth to develop the program. VEEP is now nationally recognized as a leading example of how a state can successfully achieve real environmental progress by providing incentives and recognition to high performing facilities.

Mr. Simmons next stated that today's awarding of an E2 designation to RWSA's South Rivanna Water Treatment Plant meant that the facility has a good compliance history and has taken major steps toward implementation of a comprehensive EMS. Not all facilities that apply for the program are accepted. South Rivanna Water Treatment Plant's E2 designation is the result of much work and represents a significant commitment on the part of management and the efforts of those employees involved in this process. The significant aspects and benefits from the South Rivanna facility's EMS development process were listed in the Board report.

Mr. Simmons then commented that RWSA has been an EMS leader within the Commonwealth and in the Charlottesville area. Ms. Anne Bedarf has played a key role in the formation of the Charlottesville regional EMS network as well as the statewide VEEP participants' association. The latter group sponsored the highly successful Virginia EMS conference last fall in Roanoke and is actively planning the next session. DEQ staff is very appreciative of the commitment shown by participants, such as Ms. Bedarf, who have made VEEP a successful program.

Mr. Simmons then formally presented the E2 designation to the South Rivanna Water Treatment Plant on behalf of Governor Timothy M. Kaine, Secretary L. Preston Bryant, and DEQ Director David Paylor. Mr. Simmons thanked the South Rivanna EMS team for its efforts and the recognition that was being received today.

In regards to **Item 6b), 2006 Virginia's Excellence in Waterworks Operations Award**, Mr. Frederick recognized Dr. Wichser who introduced Mr. Douglas M. Caldwell, Field Director of the Virginia Department of Health's Office of Drinking Water in Lexington, Virginia. Mr. Caldwell would be presenting this award for Mr. James Moore, who was not able to attend today's meeting due to another engagement.

Mr. Caldwell stated that he appreciated the opportunity to speak on a very important issue with the Virginia Department of Health's office and programs. As previously mentioned by Dr. Wichser, Mr. James Moore was scheduled to attend today's meeting. However, Mr. Moore was responding to a significant water emergency in Goshen, Virginia, and asked Mr. Caldwell to convey his regrets for not being able to present this award.

Mr. Caldwell next commented that the Virginia Department of Health's Office of Drinking Water was pleased to recognize water treatment plants that demonstrate outstanding performance by producing potable water and achieving water quality standards that are more stringent than the minimum standards required by federal and state waterworks regulations. This afternoon he was privileged to be able to present Bronze performance awards to the Crozet Water Treatment Plant,

the North Rivanna Water Treatment Plant, and the Observatory Water Treatment Plant. These awards acknowledge the commitment of the Authority and the skills and dedication of the licensed operators of these facilities. Mr. Caldwell personally recognized Mr. David Golladay, Mr. Richard Defibaugh, and Mr. Randy Jones, who were key RWSA operation personnel in attendance at the meeting.

Mr. Caldwell also stated that it was extremely difficult to meet the established optimization water quality goals necessary to qualify for a performance award, and receipt of an award represents that the facility consistently produced potable water of superior quality. Throughout Virginia there are 136 water treatment plants utilizing granular media filtration, which makes them eligible for these awards. Of those 136 plants, approximately one-half are being recognized with awards for 2006. He personally congratulated the Authority and all of its plant operators for a "job well done" and presented the awards to Mr. David Golladay and Mr. Randy Jones.

In regards to **Item 6c), Virginia Nutrient Credit Exchange Association Compliance Plan**, Mr. Frederick stated that at the May 21, 2007 meeting the Board authorized the Executive Director to execute a Water Quality Improvement Fund (WQIF) agreement with DEQ that would provide \$15 million for the Moores Creek Wastewater Treatment Plant upgrade scheduled for completion in December 2012. The improvements to the Moores Creek facility would significantly enhance the ability of the treatment facilities to remove nitrogen and phosphorus from wastewater. Mr. Frederick then provided some background information on the Virginia State Water Control Board (SWCB) regulations enacted in November 2005 that established nitrogen and phosphorus allocations to each point source facility, which included wastewater plants and industrial facilities that discharge water into surface waters. These allocations could be legally met by either upgrading facilities to the allocation levels or purchasing credits. Facilities could also choose to upgrade facilities to treat beyond the allocation levels and sell credits. The SWCB regulations offered multiple options for legally meeting the allocations with the intent of limiting the number of actual facilities that would be undergoing construction due to the tight construction market.

Mr. Frederick further reported that the Virginia Nutrient Credit Exchange Association (the Exchange) was created to be a "vehicle" for enacting the exchanges of credits between the facilities. In accordance with the SWCB allocation regulations, RWSA is part of a General Permit in Virginia for nitrogen and phosphorus limits that requires each significant facility on the point source list to file a Compliance Plan to DEQ by August 1, 2007. The Compliance Plan establishes RWSA's approach for complying with the wasteload allocation. The Exchange is offering to submit that plan to DEQ on the Authority's behalf at no expense to RWSA. If RWSA chooses not to accept the Exchange's invitation, the Authority would bear the full expense of having the plan prepared and submitted by the August 1, 2007 deadline.

Mr. Frederick next stated that it was the staff's recommendation that RWSA execute a Participation Statement authorizing the Exchange to submit the Compliance Plan on the Authority's behalf. The Participation Statement also gives the facilities an opportunity to "opt out" of the Exchange's Compliance Plan and submit an individual plan when the next update is due in February 2008.

Mr. Frederick added that comments included in the Board report conveyed the view that the Exchange has not been as successful to date as staff hoped in encouraging participants to buy credits and therefore limiting the number of construction projects. There were 64 out of 105 facilities at this time that were proposing upgrades to their treatment plants within the next five years. Discussions with people in the construction industry indicate that the construction market will not be able to provide the work for that many facilities. He felt that further effort by the Exchange would be needed in order to address this issue. The provision in the regulation that calls for an annual update beginning in February 2008 provides a way that facilities can update or change their Compliance Plans over time.

Mr. Tucker moved that the Board of Directors authorize the Executive Director to execute a Participation Statement and submit it to the Exchange before June 29, 2007 in order to meet the August 1, 2007 Compliance Plan deadline, seconded by Mr. O'Connell. The motion was approved by a 5 – 0 vote.

In regards to **Item 6d), Design Services – Meadow Creek Sanitary Sewer Interceptor Upgrade**, Mr. Frederick recognized Ms. Jennifer Whitaker, RWSA Chief Engineer, who would present the first portion of the report.

Ms. Whitaker stated that Mr. Federico Maisch with Greeley and Hansen was in attendance at the meeting to provide a brief update on this project through a PowerPoint presentation. Copies of the presentation were distributed to the Board members and also made available to members of the public in attendance at the meeting.

Ms. Whitaker next reported that discussions concerning the Meadow Creek Interceptor have been ongoing for a number of years. The pipe was built in the mid-1950's and serves the northern and eastern portions of the City of Charlottesville, bordering County neighborhoods, and the University of Virginia Sports and Arts Precincts. Due to abnormally dry conditions, most of 2006 was spent in flow-monitoring activities. Two significant rainfall events occurred at the end of 2006, which enabled the study to capture wet weather data. In January 2007, the Board authorized RWSA to advance the work on a routing and alternative evaluation, which has been completed. The presentation today will provide an update on the five different alternatives that were developed during the preliminary work and the recommended alternative. Today's discussion will also include milestones on moving forward with the project, as well as estimated construction costs and a request for additional funding in order to proceed with the design work. Mr. Maisch will next provide an update on Greeley and Hansen's work to date on the Meadow Creek Sanitary Sewer Interceptor Study.

Mr. Maisch stated that the purpose of the Meadow Creek Sanitary Sewer Interceptor Study was to identify the needs for rehabilitation or replacement and to review alternative alignments. The study was also conducted in consideration of mitigating environmental impacts, coordination with concurrent community programs, and managing RWSA's sewer assets. Greeley and Hansen worked very closely with staffs from RWSA, ACSA, and the City of Charlottesville, and he expressed his appreciation for their cooperative efforts that allowed a full investigation of the existing data for the entire service area. The programs of the Rivanna Trail and The Nature Conservancy (TNC) were also taken into consideration in the preliminary engineering report. He

used as an example the early realignment work of Meadow Creek by TNC. Greeley and Hansen will continue to work with TNC so there is “synergy” between the two projects.

Mr. Maisch further reported that a total field investigation was conducted and included RWSA staff and specialists in the fields of civil and sanitary engineering, geotechnical, construction, and environmental. He further defined the environmental specialists as former regulators, as well as the U.S. Army Corps of Engineers and the Virginia Marine Resource Commission, who would have jurisdiction over this project. He then referred to the slides that listed the challenges revealed by the investigations, which included aerial creek crossings, exposed creek crossings, and proximity of construction near the Meadow Creek Interceptor.

Mr. Maisch next reported that the five alternatives developed from the evaluation of all the data collected from the field investigations were compared and analyzed. Three of the alternatives involved routing the Meadow Creek Interceptor along the same corridor, and two of the alternatives included pumping stations and force mains.

Mr. Maisch then commented that the hydraulic evaluation was a very integral component of the study. He referred to the two slides that illustrated the Meadow Creek Interceptor and its interconnection with other elements of RWSA’s interceptor system.

Mr. Maisch next stated that the analysis of the hydraulic conditions included data obtained from dry weather flows to wet weather flows. As previously mentioned by Ms. Whitaker, two significant weather events were captured during the monitoring program that supplied extensive data to support the performance of the system under wet weather flow conditions. Based on the hydraulic analysis, there is a preliminary recommendation on pipe diameter for the purpose of routing. He then referred to the slide that illustrated the current and recommended alignment corridor for the pipeline.

Mr. Maisch then commented that the comparison of alternatives was based not only on project costs and schedule, but also project implementation impacts as directed by RWSA staff to work closely with the stakeholders throughout the system.

Mr. Maisch next reported that as a result of these analyses, the preferred alternative being recommended to RWSA for preliminary design refinement, final design, and construction is the replacement of the existing interceptor in the existing alignment. Greeley and Hansen’s estimated project costs have been reviewed by contractors in Central Virginia for a comparative check, and the consensus is that the estimated cost for this project is \$19,264,000, with the expectation that some reductions might be achieved. He then referred to the slide that illustrated the “Definition of Cost Accuracy,” which is an industry standard for cost estimating. This level of conceptual design with no sketches would place the project cost in the range of plus or minus 40%, and Greeley and Hansen hoped to narrow the gap as the project advances toward the final design.

Mr. Maisch then addressed the project schedule. He stated that final design should be completed by May 2008; the procurement process and the award of a contract, by September 2008; and construction, by December 2009.

Mr. Maisch next discussed the permitting process for this project. He stated that the "Construction Authorization Permits," which are a set of permits under the jurisdiction of the resource protection agencies, will need to be secured early in the process. Greeley and Hansen will continue the work that has been initiated with the U.S. Army Corps of Engineers and the Virginia Marine Resource Commission so that the "Construction Activities Permits" can be obtained in a timely manner. He further defined the "Construction Activities Permits" as those obtained from owners adjacent to or along the alignment corridor.

At the conclusion of his presentation, Mr. Maisch stated that he and Ms. Whitaker would entertain any questions that the Board might have after Ms. Whitaker's final comments.

Ms. Whitaker next stated that as just discussed by Mr. Maisch, there has been a substantial amount of work done to date in a relatively short period of time to develop some options for the Meadow Creek Interceptor and how to address the issues involved with the project. She then referred to page 3 of the Board report that discussed some issues that need to be resolved with RWSA's customers, particularly the pipe diameter. The recommendations being made are based on some hydraulic assumptions that will need to be refined over the next few months in order to reach agreement on that key issue. RWSA felt that while those discussions were taking place the identified tasks could begin to move forward toward the preliminary design on the Meadow Creek Interceptor. As reported by Mr. Maisch during his presentation, the estimated cost of the project is approximately \$19.2 million. This amount is higher than what was previously anticipated for this pipeline, which is reflective of the current construction market.

Ms. Whitaker also stated that before the Board today is a contract that was negotiated in good faith with Greeley and Hansen in the amount of \$1,353,800 for design services associated with the upgrade of the Meadow Creek Interceptor Sanitary Sewer Interceptor.

Mr. Gaffney next commented that the existing Meadow Creek Interceptor lasted 54 years and inquired how long the new pipeline would be designed to meet capacities. Mr. Maisch stated that structurally interceptors are typically expected to last an average of 60 years. Greeley and Hansen has the expectation that the designed pipeline would last significantly longer than the 60-year average, provided that the pipeline is properly maintained. Addressing the capacity issue, Mr. Maisch commented that the interceptor should be designed to have indefinite capacities, based on assumptions that require collaboration between the stakeholders and the agencies that will use infiltration and inflow data. DEQ will expect the steward of the assets to reduce infiltration and inflow, which is occurring in many similar jurisdictions throughout the country. Greeley and Hansen anticipated that the reduction in infiltration and inflow will provide for anticipated growth with a safety margin. Ms. Whitaker added that all the planning agencies in the region have been requested to look at 5-, 10-, 20-, and 50-year data to the extent possible to ensure that the study was capturing at least a 50-year horizon based on dry and wet weather flows.

Mr. Tucker next stated that he understood from the report that the construction approach would involve pumping around the section undergoing construction, which would be repeated until the entire pipeline was built, and inquired if the old pipeline would be removed at that time.

Mr. Maisch confirmed that the old pipeline would be removed once construction was completed.

Mr. Maisch added that during the cost comparison of the alternatives, one of the advantages of the preferred alternative was the ability to use the current alignment, which would minimize additional environmental impacts, minimize additional easement requirements, and once constructed would be the most cost effective.

Ms. Whitaker further stated that as discussed during Mr. Maisch's presentation, there were a few sections where buildings have encroached too close to the sewer line to allow that construction approach. In those cases it will be necessary to re-route, and in some areas, abandon the pipe in place so as to not disturb the foundation of those buildings.

Mr. Fern next commented that there were problems with the existing alignment with creek encroachment. Mr. Maisch stated that based on the direction given by Mr. Frederick, Greeley and Hansen has worked very closely with TNC concerning its plans to realign Meadow Creek. If TNC's realignment project takes place prior to RWSA's Meadow Creek Sanitary Sewer Interceptor Upgrade, the new pipeline would be further away from the creek. If that does not occur, Greeley and Hansen has included in the estimated \$19 million figure the protection of the embankment of the interceptor.

Mr. Fern then inquired if the \$19.2 million figure includes the contingency. Ms. Whitaker and Mr. Maisch both replied in the affirmative. Mr. Fern next asked if the extra protection measures were included in the contingency or the base price. Mr. Maisch replied that it was included in the base price. Ms. Whitaker added that the three heavy construction contractors who visited the site and reviewed the conceptual plans have provided feedback that the costs for this specific project on this specific alignment are realistic in today's market.

Mr. O'Connell next inquired if the contract included the construction of new greenway and new trails once the new sewer line was in place. Ms. Whitaker stated that much of the existing alignment goes through City land or where TNC was envisioning conducting their stream restoration. The highest part of the Meadow Creek watershed runs along Seminole Trail, back through the Greenbrier neighborhood, and through some of the corridors that lead to the Norfolk Southern right-of-way. There is a trail that parallels the right-of-way, and there have been preliminary discussions concerning clearing the trail and possibly the right-of-way and co-locating trails once construction was completed. Part of RWSA's vision has been the enhancement of the stream and of its right-of-ways, and increasing the foot traffic would facilitate the maintenance of those areas. Mr. Frederick added that the Rivanna Trail runs along a large portion of this alignment, which suggests close coordination with the Rivanna Trail Foundation and the Charlottesville City Parks and Recreation Department staff in order to refine the type of trails and what type of amenities this community wanted in that area.

Mr. Tucker moved that the Board of Directors authorize the Executive Director to execute an amendment to the January 19, 2006 Engineering Services Agreement with Greeley and Hansen for Design Services associated with the upgrade of the Meadow Creek Sanitary Sewer Interceptor in the amount of \$1,353,800, with the discretion to execute amendments in the amount up to 10% of the contract amount, seconded by Mr. Fern. The motion was approved by a 5 – 0 vote.

7.0 Other Items from Board/Staff not on Agenda

There were no other items from the Board or staff not on the agenda.

8.0 Meeting Recess

Mr. Tucker moved that the Rivanna Water & Sewer Authority Board of Directors Meeting be recessed at this time and be reconvened during the Rivanna Solid Waste Authority Board of Directors Meeting in order to enter into a joint closed meeting with the Rivanna Solid Waste Authority Board of Directors to discuss a confidential personnel matter, seconded by Mr. O'Connell. The motion was approved by a 5 – 0 vote, and the meeting was recessed at 2:58 p.m.

9.0 Resumption of Open Meeting

Mr. Tucker moved that the Rivanna Water & Sewer Board of Directors meeting be reconvened, seconded by Mr. O'Connell. The motion was approved by a 5 – 0 vote, and the meeting was reconvened at 3:25 p.m.

Mr. Tucker moved that the Board of Directors vote to cancel the July 23, 2007 Rivanna Water & Sewer Authority Board of Directors meeting, seconded by Ms. Mueller. The motion was approved by a 5 – 0 vote.

10.0 Joint Closed Meeting

Mr. Tucker made the following motion, which was seconded by Mr. O'Connell:

RESOLVED that the Board of Directors of the Rivanna Water & Sewer Authority enter into a joint closed meeting with the Rivanna Solid Waste Authority Board of Directors to discuss confidential personnel matters as permitted by Section 2.2-3711.A.1 of the Code of Virginia.

The motion was approved by a 5 – 0 vote, and the Board of Directors of the Rivanna Water & Sewer Authority went into a joint closed meeting with the Board of Directors of the Rivanna Solid Waste Authority at 3:26 p.m.

ATTENDEES: Mr. Fern, Mr. Gaffney, Ms. Mueller, Mr. O'Connell, Mr. Tucker, Mr. Krueger, and Mr. Frederick (part of the closed meeting).

11.0 Resumption of Open Meeting

The RWSA Board of Directors meeting reconvened at 3:49 p.m.

Mr. Tucker made the following motion, which was seconded by Ms. Mueller:

WHEREAS, the Rivanna Water & Sewer Authority has convened a joint closed meeting with the Rivanna Solid Waste Authority on this date pursuant to an

affirmative recorded vote and in accordance with the provisions of the Virginia Freedom of Information Act; and

WHEREAS, Section 2.2-3712.D of the Code of Virginia requires a certification by the Rivanna Water & Sewer Authority that such closed meeting was conducted in conformity with Virginia law;

NOW, THEREFORE, BE IT RESOLVED that the Rivanna Water & Sewer Authority hereby certifies that, to the best of each member's knowledge, (i) only public business matters lawfully exempted from open meeting requirements by Virginia law were discussed in the executive meeting to which this certification resolution applies, (ii) only such public business matters as were identified in the motion convening the closed meeting were heard, discussed or considered by the Rivanna Water & Sewer Authority.

There being no further discussion Mr. Gaffney called for a roll call vote: Ms. Mueller – Aye, Mr. O'Connell – Aye, Mr. Gaffney – Aye, Mr. Tucker – Aye, and Mr. Fern – Aye.

Mr. Tucker next moved that the Board of Directors vote to increase the annual salary of the Executive Director of both the Rivanna Water & Sewer Authority and the Rivanna Solid Waste Authority from \$115,000 to \$122,000 effective July 1, 2007, seconded by Ms. Mueller. The motion was approved by a 5 – 0 vote.

12.0 Closed Meeting

Mr. Tucker made the following motion, which was seconded by Mr. O'Connell:

RESOLVED that the Board of Directors of the Rivanna Water & Sewer Authority enter into a closed meeting to discuss the potential acquisition of real property as permitted by Section 2.2-3711.A.3 of the Code of Virginia.

The motion was approved by a 5 – 0 vote, and the Board of Directors of the Rivanna Water & Sewer Authority went into a closed meeting at 3:51 p.m.

ATTENDEES: Mr. Fern, Mr. Gaffney, Ms. Mueller, Mr. O'Connell, Mr. Tucker, Mr. Krueger, Mr. Frederick, and Ms. Whitaker.

13.0 Resumption of Open Meeting

The RWSA Board of Directors meeting reconvened at 4:00 p.m.

Mr. Tucker made the following motion, which was seconded by Ms. Mueller:

WHEREAS, the Rivanna Water & Sewer Authority has convened a closed meeting on this date pursuant to an affirmative recorded vote and in accordance with the provisions of the Virginia Freedom of Information Act; and

WHEREAS, Section 2.2-3712.D of the Code of Virginia requires a certification by the Rivanna Water & Sewer Authority that such closed meeting was conducted in conformity with Virginia law;

NOW, THEREFORE, BE IT RESOLVED that the Rivanna Water & Sewer Authority hereby certifies that, to the best of each member's knowledge, (i) only public business matters lawfully exempted from open meeting requirements by Virginia law were discussed in the executive meeting to which this certification resolution applies, (ii) only such public business matters as were identified in the motion convening the closed meeting were heard, discussed or considered by the Rivanna Water & Sewer Authority.

There being no further discussion Mr. Gaffney called for a roll call vote: Ms. Mueller – Aye, Mr. O'Connell – Aye, Mr. Gaffney – Aye, Mr. Tucker – Aye, and Mr. Fern – Aye.

Mr. Frederick next provided some background information on the action to be taken by the Board following the closed meeting. He stated that 13 homes served by individual wells near the Red Hill Elementary School were affected by a leaking underground storage tank from a service station located at the intersection of Highway 29, Red Hill Road and Taylors Gap Road. A few months ago, the Albemarle County Board of Supervisors adopted an amendment to ACSA's jurisdictional area that would allow ACSA to provide public water service to those 13 homes. DEQ has approved plans to drill a well and provide a water distribution system directly to those 13 homes. ACSA proposes to build the distribution pipe network system, set the meters, and establish the customer service. Under the Four-Party Agreement, which outlines the role for each party in the provision of water service for this community, RWSA owns all water supply and treatment facilities that are publicly owned. The RWSA Board of Directors is being requested today to approve the purchase of 2.75 acres of land from Daniel and Angela Oakey of 3822 Red Hill School Road in the amount of \$64,575 for the purpose of constructing a well that will provide public water service to those 13 homes through the ACSA. The sale price has been determined to be a fair market value for that land.

Mr. Fern moved that the Board of Directors vote to approve the purchase of 2.75 acres of land from Daniel and Angela Oakey of 3822 Red Hill School Road in the amount of \$64,575 for the purpose of constructing a well that will provide public water service to 13 homes through the Albemarle County Services Authority. The motion was seconded by Mr. Tucker who noted that the cost of the property as well as other costs associated with providing public water service to those 13 homes will be reimbursed by the Department of Environmental Quality. The motion was approved by 5 -0 vote.

14.0 Adjournment

There being no further business, Ms. Mueller moved that the meeting be adjourned, seconded by Mr. O'Connell. All members voted aye, and the meeting was adjourned at 4:05 p.m.

Respectfully submitted,

Mr. Robert W. Tucker, Jr.
Secretary-Treasurer