

KENT COUNTY WATER AUTHORITY

SPECIAL BOARD MEETING

April 29, 2005

The Board of Directors of the Kent County Water Authority held a Special Meeting in the Joseph D. Richard Board Room at the office of the Authority on April 29, 2005.

Chairman Perry opened the meeting at 10:00 A.M. Chairman Perry, Board Members, Mrs. Graham, Mr. Masterson, Mr. Boyer and Mr. Gallucci, were present together with the General Manager Timothy J. Brown, Director of Administration & Finance Arthur Williams, Technical Service Director John Duchesneau, Systems Engineer Kevin J. Fitta, Legal Counsel, Maryanne Pezzullo, and other interested parties, including West Greenwich Councilman Richard Huntsman, Public Relations Consultant for Kent County Water Authority, Frank Prosnitz, Al Mancini of the Public Utilities Commission, Chief Frank Brown and Fire Marshal Mark P. Vincent of Hopkins Hill Fire Department, East Greenwich Town Manager, William Saquino, John Caito and Jeff Hanson of Caito Corporation.

High Service Reviews

Wal-Mart Center of New England

The remaining issue was whether fire flow needed and provided was satisfactory. Chief Frank Brown deferred to Fire Marshal Mark P. Vincent as to this issue and referred to the Hopkins Hill Fire Department correspondence of April 22, 2005 to Haley & Ward, Inc. which is attached as "A". Fire Marshall Vincent stated that it is based on sprinkler requirements and he then deferred to Kent County Water Authority as to whether or not Kent County Water Authority can provide water. The General Manager stated that the modeling was sufficient. The Chairman then stated that if the fire flow is adequate, there would be no other issues pending with respect to the application of Wal-Mart.

Based on the fact that the fire flow was adequate and that the modeling was sufficient, it was moved by Board Member Boyer and seconded by Board Member Graham to approve the application of Wal-Mart in the Center of New England.

And it was unanimously,

VOTED: To approve the application for Wal-Mart in the Center of New England.

Wingate Hotel Center of New England

An Office Memo from the General Manager dated April 28, 2005 is attached as “B”. The Chairman stated that it was uncertain with respect to occupancy, however, the demands do not fluctuate significantly. Board Member Boyer stated that the top floor is serviced with fire flow and that it is a three story structure. The Chairman stated that the amount of water requested is a small amount and with respect to the General Manager’s report, the water would be available under the reserve that Kent County Water Authority has. Board Member Masterson inquired of the General Manager what the reserve is and what would be the surplus. The General Manager stated that if both are approved there would be no surplus. Board Member Masterson then suggested that they would need help with conservation. The Chairman stated that they would need the cooperation of all of Kent County Water Authority customers in restricting maximum usage – not using water in outside modes during hot days.

It was moved by Board Member Gallucci and seconded by Board Member Boyer to approve the application of Wingate Hotel, Center of New England.

And it was unanimously,

VOTED: To approve the application of Wingate Hotel, Center of New England.

Council President Hyde and Vice President Sanetti for the Town of Coventry Town Council thanked the Board and stated that the approval of this application helps with the economic development of the community of the Town of Coventry.

Reconsideration of Out Door Water Use 1 day/week

Board Member Masterson stated that the one day per week outdoor watering restriction got the public’s attention. Board Member Masterson stated that in East Greenwich he did not receive a lot of feedback from the customers and the customers that he did speak with were very willing to abide by the one day outside watering rule. He further stated that some customers are under the impression that if they can only water one day per week then they will turn the water on for 24 hours. Board Member Masterson further proffered if properly done and by raising the customers attention, Kent County Water Authority could revert to an odd/even basis, and with public education, Kent County Water Authority could go to an odd/even measure. Board Member Masterson also stated that if the customers will not work with the Authority then Kent County Water Authority could impose a moratorium. Board Member Masterson suggested an odd/even watering rule coupled with education of the public, perhaps even in the form of a mailing.

Board Member Graham stated that she received a lot of telephone calls and reflected on the seriousness of the situation. Board Member Graham stated that Kent County Water Authority is working on getting wellfields online and the Authority has

been negotiating this. She did state that the one day a week did get the customers attention, but it was imposed out of necessity. Board Member Graham stated that Kent County Water Authority needs to go to the safe ground, it is a necessity and it definitely does point out the seriousness of the fact that Kent County Water Authority has not solved this problem with respect to more water sources. She further stated that the public now knows of the seriousness of the situation, however, she suggested that Kent County Water Authority stick to the one day rule until the Authority has a solution.

Board Member Gallucci stated his opposition to the strict water use of one day per week. He acknowledged that conservation is important but with no one else in Warwick conserving it is not fair to those customers of the Kent County Water Authority system in Warwick that have to conserve. Board Member Gallucci stated that an odd/even system was previously instituted and now with one day per week, he received several telephone calls including calls from councilmen stating that they would introduce legislation with respect to the one day per week restriction. Board Member Gallucci suggested as a compromise that the Kent County Water Authority stick with an odd/even system but the Authority should expect legislation to be put through with respect to the water bans.

Board Member Boyer stated that the Kent County Water Authority has a dilemma based on different opinions and that he agrees with Board Member Graham that the Authority has a serious concern with water sources. Board Member Boyer suggested that the Kent County Water Authority should take one to two weeks to go over safety factors used in the predictions and the usage of the water. Board Member Boyer stated that he could not get the figures to substantiate with respect to the one day per week necessity, however, he is not stating that it is, or is not, a necessity at this point. Board Member Graham stated that Kent County Water Authority does have a problem, but the Board is comprised of concerned people. Board Member Graham stated that the Authority needs time to substantiate with respect to safety factors in the system and that she is not opposed to any solution that will fit the system.

Board Member Graham stated that Board Member Gallucci has a unique situation, whereas, there are only 4,100 customers in Warwick on the Kent County Water Authority system. She stated that the Kent County Water Authority are trailblazers and that the Authority needs to stop and do something for conservation. Board Member Graham stated that sprinklers go on at night and during rain storms and that water is not an unending commodity - it will eventually run out. Board Member Graham stated that taking a step with respect to the one day per week was not frivolous and it was unfortunate that Warwick was on the type of system with respect to only some of its residents being on the System. Board Member Graham further stated that it is not discriminatory by having a one day per week water rule and that the Kent County Water Authority has talked to State leaders with respect to conservation and hopefully these leaders will listen.

Board Member Gallucci stated to Board Member Graham that there currently is no legislation and again reiterated his suggestion that the residents remain on an

odd/even system. Chairman Perry stated that the Kent County Water Authority has to treat customers on an equal basis and that the Authority has to be fair. He stated that all Board members have valid points and that the Kent County Water Authority did make a major step with a one day per week watering rule. The Chairman stated that the goal of getting people's attention has been achieved in that the customers had previously not been paying much attention. The Chairman stated that the first problem that the Kent County Water Authority has is significant in that there is an issue with respect to supply in the southern part of the system. The Chairman further stated that the second problem is distributing supply to high service areas which are also located in the southern part of the system. He further stated that there are regulatory problems in developing water in the southern part of the system. The Chairman stated that in rolling back what the Authority did (meaning one day per week) he suggests a program, for example, based on weather like we are currently having and the Kent County Water Authority would not require a watering ban, however, the big problem arises in communicating to our customers when the Authority does have a serious need and getting the customers to stop with respect to using outdoor water and that the customers should use it effectively and efficiently. The Chairman stated that the customers will have to minimize water use when it is necessary. The Chairman then inquired of Frank Prosnitz that now that the Kent County Water Authority has the customers' attention, can the Authority roll this back and keep good communication programs going. The Chairman further inquired as to whether the Authority can do this effectively and is this the right time. Mr. Prosnitz proffered that the Authority has lots of vehicles to get to the customers in the system. Mr. Prosnitz referred to a National Geographic article with respect to the worldwide water crisis. He suggested promotion of conservation needs and that the customers need to be a part of the solution. The Chairman then stated that he supports rolling back. The Chairman further stated that the Kent County Water Authority needs the ability to supply the people standing in line for water, people who want to build homes and businesses who want to supply services to the people in the community. The Chairman stated that the issue lies with peak demands and this needs to be reduced and outdoor water use creates the peak demand.

The Chairman then stated with respect to the comments of Board Member Graham that until regulations and controls via State agency become more reasonable, Kent County Water Authority can not develop wellfields and can not get permitting. He further stated that Kent County Water Authority invested a lot of money with respect to the development of the wellfields and hopes that Kent County Water Authority gets the ears of the necessary people on the State level.

Board Member Masterson stated that if Kent County Water Authority goes to one day per week there will be extreme animosity. Board Member Masterson stated that if Kent County Water Authority adopts an odd/even program coupled with educating the customers via the website, for example, the customers would have to comply with Kent County Water Authority (watering) requirements. Board Member Masterson also stated that if customers do not comply then their water would be shut off. Board Member Masterson stated that Kent County Water Authority needs to get out there and get

more water and referred to Board Member Boyer's comments in that you have to open the eyes of some customers.

It was moved by Board Member Masterson to adopt an odd/even program and do so immediately and look to educating customers (with the help of Frank Prosnitz) and it was seconded by Board Member Gallucci and prior to the vote on this motion, Board Member Graham interjected that the one day per week was not instituted and not done with malice. She stated that this is a very serious problem and this is why Kent County Water Authority made this move. Board Member Graham further stated that turning it around (meaning the one day per week) that the customers need to know the seriousness of the situation. She stated that by Kent County Water Authority not having sources that we need, that Kent County Water Authority has the public good in mind. The Chairman then suggested that the motion be amended to state that if the odd/even does not work, then Kent County Water Authority has the ability to go back to more stringent regulations. In other words, if the odd/even program does not work, the Board can reconsider more stringent regulations. Board Member Boyer then amended the vote to ensure that the Kent County Water Authority ensure that safety factors are in order.

It was moved by Board Member Masterson and all Board members seconded that the Board adopt an odd/even watering program with enhanced education of the public, however, Kent County Water Authority reserves the right to revisit the program if it is found not to be working and institute more rigid restrictions with respect to outdoor water use and it was unanimously,

VOTED: That the Board adopt an odd/even watering program with enhanced education of the public, however, Kent County Water Authority reserves the right to revisit the program if it is found not to be working and institute more rigid restrictions with respect to outdoor water use.

A member of the public requested a comment with respect to the motion approved by Kent County Water Authority. Mr. Gerard Rattigan of East Greenwich requested that the Board consider recreational exclusion for little league and soccer fields. He stated that there has been a big change in the type of turf that is used at these fields and that if water is shut off, it could damage the turf as well as cause injury to the children playing on the turf. He stated that if the need for a greater restriction arises in the summer and the Board has to adopt a one day per week watering program, he requested that the Board make an exception for all Little League fields in all of the municipalities. However, Mr. Rattigan did not expect the Board to consider this request at this special Board meeting and it was not considered.

Blue Cross Delta Dental Renewal

Mr. Arthur Williams stated that the renewal was coming up as of May 1, 2005. He further stated that the proposal was better than in previous years. Mr. Williams further stated that with respect to the medical coverage, there is no increase in plan 65

and that it stays the same for retirees. With respect to Delta Dental, Mr. Williams advised the Board that it would be increased by 5%. He further advised that the Board that it can elect a 7/8 with a 7% lock on the increase (rates attached as "C"). Mr. Williams advised the Board that they would have to approve an extended period of time and he anticipated an increase of 15% for next year. The General Manager advised the Board that Kent County Water Authority has locked in, in the past. The Chairman stated that it would be sensible to get locked in at a specific rate. Mr. Williams stated that the Authority has the ability to lock in at 7% for three years. The General Manager advised the Board that Blue Cross does not provide for a lock-in rate. The Chairman suggested to the Board that the Authority lock in as long as it can. For the first year they would lock in at 5%, for the second year they would be locked in at 7% and for the third year they would be locked in at 7%.

Board Member Graham made a motion that Kent County Water Authority renew with Delta Dental for three years with a 7% increase and Board Member Masterson seconded the motion and it was unanimously

VOTED: To approve that Kent County Water Authority renew with Delta Dental for three years with a 7% increase.

A motion was raised by Board Member Graham that Kent County Water Authority continue the Blue Cross program and it was seconded by Board Member Gallucci and it was also unanimously,

VOTED: To continue the Blue Cross program.

Spring Lake well Refurbishment

The General Manager referred the Board Members to the letter from R.E. Chapman Company dated March 31, 2005 which is attached as "D". The General Manager advised the Board that this concerns redevelopment of the well, cleaning of the screen and gravel pack. The General Manager advised the Board that if the pump has a problem, that this cost would be extra. He advised the Board that the well was recently re-screened four to five years ago, however, Kent County Water Authority needs to get the well up and running. The General Manager stated that he will issue an RFP. The Chairman concurred with the General Manager and stated that Kent County Water Authority needs to get this well going. The General Manager then stated that the Authority may re-drill the well, but that issue would need to be studied. Therefore, in the interim, the General Manager advised the Board that the well does need to be refurbished.

The General Manager stated that there were manganese problems, but they were not as severe as Mishnock. He further stated that the Kent County Water Authority does not have a well supply in Coventry. Board Member Graham then commented on the old Mishnock wellfield and inquired as to why Kent County Water Authority was not working on it now. The General Manager advised Board Member

Graham that because the manganese is well over one part at this time, that the manganese would destroy the system. Therefore, it will require treatment and removal of this mineral. Board Member Graham inquired as to whether or not there is a treatment plant that could take care of that. The General Manager advised Board Member Graham that Kent County Water Authority will be piloting treatment and by the middle of May the Authority will be filing a study before the Department of Health. The General Manager further stated that June Swallow (of the Department of the Health) advised the General Manager that it will not be held up. The General Manager advised that the piloting is a proven technology and referred to a two season piloting. He advised that the initial cost for piloting is comprised of equipment and an engineer. The General Manager further advised that the Authority will remove iron as well, therefore, the goal is to remove iron and manganese. The General Manger further stated that manganese and iron are common elements in the rock formations in this area. He further stated that because of dry weather in 2001 and 2002 and then very wet conditions, most likely caused a high concentration of manganese and there is a large deposit of this mineral.

Outdoor Watering

The Chairman advised that the Authority reconsidered the one day per week outdoor water use. The Chairman advised that this one day per week program may be too onerous on the customers and if there is a wet summer, it may not be a necessity. The Chairman further stated that Kent County Water Authority is combining drawing back odd/even with enhanced education of the customers and that the Authority has achieved its goal in getting the customers' attention. However, the Chairman advised that Kent County Water Authority did reserve the right to visit more rigid restrictions if the Authority does achieve its goal. The Chairman also stated that the problem is a lack of supply and this is curtailing economic development in the communities that the Authority serves. The Chairman then explained the odd/even system to the reporter. The Chairman stated that if you live in a house with an odd street number, then you would water on an odd numbered day.

Motion Big River Reservoir

The General Manager read the resolution to the Board which is attached as "E". The General Manager advised the Board that if it passes something of this nature, then he would request that Kent County Water Authority ask community councils to pass this as well.

Board Member Boyer made a motion and it was seconded by Board Member Graham to adopt the Big Reservoir Resolution and it was unanimously,

VOTED: To adopt the Big Reservoir Resolution.

Randolph Bank Landscaping/Irrigation

The April 26, 2005 letter of Randolph Savings Bank to the Chairman was referred to by the General Manager and is attached as “F”. The General Manager stated that the letter was deceiving against Kent County Water Authority in that the Authority provided the engineering firm for the project with a creative approach to address irrigation issues. The General Manager further advised the Board that as of July 1, 2004, Kent County Water Authority had sent a response letter and at that time, there was no indication of an irrigation requirement. The General Manager said that the design engineer had taken until November, 2004 for Kent County Water Authority to finally get a response and then all of sudden, added irrigation requirements. The General Manager advised the Board that they had approved the application with no irrigation. He further advised the Board that no irrigation plan was submitted. The Chairman stated that he believes that the shrubbery does not get irrigated and that only the grass areas are irrigated. Board Member Masterson stated that the sprinklers would also cover the shrubs too. The Chairman stated that if Center of New England does irrigate, that he would utilize the wells. Board Member Boyer proffered that he does not believe that Randolph was informed of all communications between Kent County Water Authority and the Engineer and if Randolph Bank saw the General Manager’s file, he does not believe that a responsible banker would have written such a response. Board Member Boyer stated that if the system is on a well then they should put it on a well. Board Member Boyer suggested that the Authority respond to the letter of Randolph.

It was moved by Board Member Boyer and seconded by Board Member Masterson to send a response letter to Randolph Bank explaining the history of communications between the engineer for the project and Kent County Water Authority and should install a well for irrigation and it was unanimously,

VOTED: To send a response letter to Randolph Bank explaining the history of communications between the engineer for the project and Kent County Water Authority and should install a well for irrigation.

Read School House Tank Pare Invoices

The General Manager brought to the attention of the Board Members the April 25, 2005 correspondence from Pare Engineering which is attached as “G”. The General Manager advised the Board that he and Legal Counsel will be meeting with the Town of Coventry, Acting Town Manager and its Solicitor with respect to relocation of the Read School House Road tank site.

It was moved by Board Member Boyer and seconded by Board Member Graham to approve the Pare Engineering invoices in the amount of \$8,132.50 as attached as “G” and it was unanimously,

VOTED: To approve the Pare Engineering invoices in the amount of \$8,132.50 as attached as “G”.

Interviews Cleaning and Lining

11:00 Pare Engineering Corporation

George Parmisano and Robert Anderson of Pare Engineering Corporation were present for the interview. Mr. Parmisano stated that he manages the environmental group. He said that with respect to water supply, this type of work is their niche and Pare Engineering Corporation has performed a half-dozen sizeable projects. Mr. Parmisano used the example of the Clinton Avenue pumping station wherein Pare Engineering Corporation did the preliminary design. He further stated that his firm did work within the West Warwick Industrial Park and was also involved in the Mishnock well treatment. Pare Engineering Corporation also performed work on Read School House Road. Mr. Parmisano advised the Board that Pare Engineering Corporation completed two projects in Putnam, Connecticut and New London, Connecticut and cleaned 12,000 feet of line. He stated his firm has 30 plus years of experience with respect to water work. Mr. Parmisano said that Pare Engineering Corporation performed work for the Pawtucket Water Supply Board and Mr. Anderson has performed work on 36, 000 linear feet and 30, 000 feet of cleaning and lining. Further, Mr. Anderson has been involved in these types of projects for several years.

Mr. Anderson stated that he worked on Phase I and Phase II of the Pawtucket Water Supply Board Project and that from 1991 to 1993, he performed work in congested urban areas and stated that such areas presented many challenges and he has interfaced with many contractors. Mr. Anderson acknowledged that this type of work is different from a water main job.

Mr. Anderson stated that they are preparing suitable documentation for the performance of the work. He stated that there is approximately 5200 feet and that this involves a 12 inch water main. Mr. Anderson stated that the bids are different from the water main project because of piping and valves and temporary hydrants that are involved. He also stated that there may be incidental work with respect to engineering and there may be temporary trenches. Mr. Anderson advised the Board that he adds these little details to the plan to show the contractor and make the contractor aware of what Pare Engineering expects from the job. He stated that they would utilize television inspection as the main method of taking a look at the line.

The Chairman inquired as to whether or not Pare Engineering Corporation televises the lines prior to the cleaning. Mr. Anderson answered in the negative because it is assumed that the cleaning is needed. Mr. Anderson stated that one element that is different is the meter pit conversion and until Pare Engineering Corporation looks at the meter pit conversion issue, he does not know what Pare Engineering Corporation will proceed until Pare Engineering Corporation reviews it with the General Manager and the staff. Mr. Anderson further stated that a physical alteration permit will be required because water will be discharged within a right of way. Mr. Anderson anticipated that there will be a separate design effort.

Mr. Anderson also stated that whenever you have an in-line valve or lateral valve, excavation has to be performed on the main line valve. Board Member Gallucci then inquired of Mr. Parmisano as to whether or not they have looked at other proposals, Mr. Parmisano stated that Pare Engineering Corporation is the highest and that Pare Engineering Corporation follows the RFP closely. Mr. Parmisano stated that cleaning a lining is not rocket science, but this RFP was pretty specific. With respect to evaluation of cleaning and lining method; Pare Engineering Corporation estimates twelve (12) hours. With respect to conventional cleaning, approximately \$1,000.00 worth of work. He said it would cost approximately \$1,300.00 or 16 hours for traffic control plan. He advised the Board that temporary by-pass plans are not typically done but Pare Engineering Corporation would do that. He stated that it would take approximately thirty (30) hours but that Pare Engineering Corporation could get away without doing that. With respect to the design submittals, Pare Engineering Corporation could cut down to a couple of submittals. Mr. Parmisano stated that surveys are not needed to do the work and that Pare Engineering Corporation works with two surveyors, one locally in Rhode Island and one out of state. He stated the surveying fees are \$10,750.00 and that is the lowest fee that Pare Engineering Corporation could obtain.

Board Member Gallucci then inquired as to how long it would take to complete the construction. Mr. Anderson stated that with respect to the work itself, it will take approximately one and one-half (1 ½) to two (2) months and then restoration would be required. The General Manager stated to Board Member Gallucci that the shut off to the homes would be during the day for a few hours during construction. The General Manager stated that the goal is to get the project done this year. He further stated that no electrical is required. The General Manager then inquired of Mr. Parmisano if a manual blow off is utilized, can this be completed in two to three hours. Mr. Parmisano stated that this would save approximately sixty hours or \$4,500 if the blow off manual is instituted.

11:20 Comprehensive Environmental, Inc.

Mr. Kevin Reed, a professional engineer, is the Project Manager and Matthew Lundstead is also a professional engineer who would also be the Project Manager. Mr. Reed stated that Mr. Reed and Mr. Lundstead are the key personnel and main project and client contact. Mr. Reed stated that they have been in business for eighteen years with offices located in Rhode Island, Massachusetts and New Hampshire and that their office has in-house GIS and GPS available. He further stated that they are WBDB certified in Rhode Island. Mr. Reed stated that he has twenty years experience in water operations and engineering and that he is very comfortable with this project. Mr. Lundstead is a main and civil, including water and construction. They stated that they have the best experience for this type of project and they utilize Jack Troitell as their expert for autocad and GIS and that Mr. Troitell has experience in water design. They also utilize the services of Katie O'Connor who is also an expert in autocad and GIS operation and she also has water designing experience. Mr. Reed works primarily in Rhode Island and he draws on resources with respect to services from Milford, Massachusetts.

Mr. Lundstead then advised the Board that he would review and highlight some of their projects. The first project he referred to was located in Scituate, Massachusetts. He stated they performed several cleaning and lining projects, approximately 6,000 and 5,200 feet of cleaning and lining through mixed residential and commercial neighborhoods, including replacement of valves. Mr. Reed then referred to a project in Braintree, Massachusetts. The Town had bid the project last fall. After design services, the Town did not have sufficient money to complete the project therefore, the Town divided up the job into pieces. Their firm was involved in the service line replacement. Their firm was able on short notice to service the line replacement over the winter for the Town therefore, the project was able to go forward in the beginning of July. Board Member Boyer then inquired of Mr. Reed as to the contractor they utilized for the Scituate project. Mr. Reed stated that the contractor was Creamor and Creamor (out of New Jersey).

Mr. Lundstead then highlighted the firm's water experience. He referred to a project in Wilton, New Hampshire. He advised the Board that the project involved parallel dead end lines on a river and connecting the two and then having to cross a highway, a river, a main street and a railroad. He said that the firm nailed down a cost effective solution and this project will go to construction this summer. With respect to water allocation, he stated that they were hired by Rhode Island Waterworks Association and did a review of aquatic base flow (withdrawal process) for all water purveyors in Rhode Island.

The Chairman then inquired how the firm will handle this project. Mr. Reed stated that they would use Northeast Engineer and Consultants for surveying and use Kent County Water Authority GIS mapping. He stated that the firm will identify new and replacement valves and look for the need as to whether or not additional hydrants will be required. He stated that they put together a temporary water by pass and temporary hydrants if required by the Warwick Fire Department.

Mr. Reed stated that they would utilize an automatic blow off station. They would institute a manhole with a vault with a two inch service connection on an automatic valve with a timer. He said that there is no electricity involved in this method and that it stands alone. He further stated that they will need to meet all Department of Health and Department of Transportation requirements.

The General Manager then inquired of Mr. Reed as to the need for de-chlorination of potable water. Mr. Reed stated that if the issue arose, it could be addressed through de-chlorination.

The General Manager then inquired of Mr. Reed as to whether or not they looked into a manual blow off. Mr. Reed stated that they could design it as manual but they would want to keep it out of a vault.

Board Member Graham then inquired of Mr. Reed as to whether or not there would be any cost adjustment. The General Manager inquired what would be the difference in the costs with respect to engineering. Mr. Lundstead stated that there could be some credit, manhours-wise, and that would equate to eight hours on staff and two hours on the Project Manager. The Chairman then advised the applicants that the Department of Transportation would be performing reconstruction in that area and that they will be performing repairing or lane work. Mr. Reed stated that they also provide bid services and advertising and that they attend the pre-bid conferences and answer questions of any prospective bidders. They also check references and make recommendation on the bid awards. He further stated that they would be interested in providing construction services as well. Mr. Lundstead stated that they provide full construction services.

11:40 C & E Engineering

Tom Nicholson, Russell Houde and John Gerhard of C & E Engineering were present pursuant to the proposal which is attached "H". Mr. Nicholson stated that the cleaning and lining is the method to rehabilitate existing water mains. Mr. Nicholson explained the process of cleaning. He stated that they have to remove all valves and services and that the service connections need to be rehabilitated. He stated that normally they pipe gutter and then burm and then hoses into residents homes and they perform this intersection to intersection. He stated that the critical aspect of the project is the isolation of the pipeline and used Pawtucket as an example. He stated that his firm was involved in a contamination situation in North Kingstown. He stated that a Mr. W. Walsh out of Attleboro specializes in cleaning and lining and does all of the work in Pawtucket, Rhode Island. He stated that cleaning and lining is complicated. Therefore, you want to utilize a contractor who is experienced in this type of work.

Mr. Nicholson further stated that they have to provide by-pass service to the homes and it takes approximately one week to rehabilitate a line. He then used New London, Connecticut as an example. He stated that the project in New London was intrusive to homeowners. There were hoses going into homes and the construction was shut down because they were awaiting bacterial tests. The firm had previously recommended two by passes to prevent such a situation verses one by-pass. He said that they make sure that the contractor uses the proper procedures with respect to by-pass and disinfecting. He said the proper way to perform this is to replace services.

Board Member Gallucci then inquired of the applicant as to whether or not they will drill down to service pipes. The Chairman then interjected that there will be a small excavation at each house, approximately a 4 x 8 or 4 x 6 patch. Board Member Gallucci stated that patching is a problem. The General Manager then interjected that they will find out if patching is a problem when Kent County Water Authority goes to design. Mr. Houde then stated that a surveyor is required by the RFP and that they will have all coordinates and mapping in every component to be picked up. He stated that the curb stop at the property line is the critical issue.

Another issue concerns replacing with automatic blow off. He suggested a manual system blow off to keep the pipe physically clean and then you only have to go out once or twice a year to clean it. He then referred to the automatic flushing device as referenced in “H” attached hereto. He stated that this device is time tested and proven. He further advised the Board that de-chlorination and a physical alteration permit are required if there is discharging within an easement area. He stated that discharge is permitted to a state drainage system. Therefore, an underground injection control system (or drywell) will require a physical alteration permit. He further stated that a big concern of the Department of Transportation is the de-chlorination.

The General Manager then inquired as to the difference in the costs of the project if the manual blow off is used. Mr. Nicholson said that it will decrease fees by approximately \$2,000. Russell Houde anticipated that there would be no Department of Transportation costs. He also stated that it would decrease the hours by thirty-two (32) hours. The General Manager then inquired of the survey costs. He stated that they were high (\$14,750.00). Mr. Nicholson stated that all of the work is performed under the supervision of the land surveyor.

12:00 James J. Geremia & Associates, Inc.

Mr. James J. Geremia and Richard Henchler were present and presented the Board with a handout which was a diagram of the proposal for the water system cleaning and lining (attached as “I”). Mr. Geremia stated that they have performed line work for Kent County Water Authority on Route 4 as well as cast metal pipe line for Kent County Water Authority (approximately 350 feet). He stated that “cleaning” is a specified item.

Mr. Geremia advised the Board that they have performed mechanical cleaning and hydraulic cleaning for much larger lines. With respect to this line, they would utilize the drag cleaning method and that his firm spent a lot of time in the proposal phase. He stated that the line is cast iron therefore, there is no need for clip or sampling. He stated that the vintage of the line is 1930’s therefore, chances are good that this is the case. Board Member Gallucci inquired of the General Manager as to whether or not the line is cement or cast iron. The General Manager stated that the pipe is cast iron.

Mr. Geremia stated that the survey was from Kent County Water Authority mapping. He stated that the maximum cleaning is 500 feet. Mr. Geremia then advised the Board of the process. First, there would be a temporary water supply. Second, there would be access to the waterline. Third, there would be the cleaning of the line by the drag method. Fourth, there would be a cement mortar lining and lastly, they would test and disinfect the line.

The General Manager commented to the Board that Mr. Geremia’s fee was the lowest of all the bids. He then inquired to Mr. Geremia why it was less than the other bids. The General Manager further inquired of Mr. Geremia as to whether or not they omitted something. Mr. Geremia stated that they reviewed all of the bids before and

after and Mr. Geremia, in his opinion, does not think that this is a complex project. He further stated that his survey costs are substantially less because their surveyor uses GPS.

With respect to design and automatic blow off, the applicant suggested a manual blow off for this project because the automatic blow off pops up out of the ground and this could pose a hazard.

The General Manager then provided the Board with a photograph of a manual blow off that sits on a hydrant. Mr. Geremia stated that there is no difference in the fee if automatic or manual blow off is utilized. Mr. Geremia stated that whatever method is used there will be drilling or blow through, everything has to be correct. He further stated that at every service, you have to dig a pit and pull the line across. Mr. Geremia is looking at the cost of replacing lead line. The General Manager stated that he thinks it may be lead, some copper or galvanized, but he does not believe that the lines have to be replaced because they are at safe lead levels.

The General Manager stated that there were less complaints when pits are dug as opposed to digging up the whole road and that the pits are at the services and at the curbs. He further stated that there are approximately 70 services.

Board Member Masterson then inquired as to the construction time for 500 feet and Mr. Geremia stated three (3) months. Mr. Geremia advised the Board that they can perform the technical work while the surveyor is at the site. Mr. Geremia also stated that design would be approximately twelve (12) weeks and would be done by the fall.

Board Member Gallucci then stated that there may be a sewer line installed within the next five years and was concerned about digging up the road twice.

James J. Geremia & Associates, Inc., the last applicant, then left the Board room and after discussion participated in all with respect to the award of the bid, it was motioned by Board Member Gallucci and seconded by Board Member Boyer to award the bid for cleaning and lining to James J. Geremia & Associates, Inc. in the amount of \$14,198.00 as attached as "J" and it was unanimously,

VOTED: To award the bid for cleaning and lining to James J. Geremia & Associates, Inc. in the amount of \$14,198.00 as attached as "J".

Board Member Graham made a Motion to adjourn, seconded by Board Member Boyer and it was unanimously,

VOTED: To adjourn the meeting at 1:00 P.M.

Secretary Pro Tempore

EXHIBIT A

April 29, 2005

Exh 1

HOPKINS HILL FIRE DEPARTMENT

One Bestwick Trail
Coventry, R.I. 02816

Phone (401) 821-6866
Fax (401) 826-3779

April 22, 2005

Haley & Ward, Inc.
Attention: Mr. Scott A. Miller, PE
25 Fox road
Waltham, MA 02451



RE: Walmart Proposal
Centre of New England
Coventry

Dear Mr. Miller:

After further review of the fire code requirements regarding fire flow, all previous references to the Uniform fire Code Annex H shall be disregarded. After discussing this matter with the Chief of Inspections for the State of R.I., William Howe, the only enforceable requirements for fire flow are found in NFPA 13 (Installation of Sprinkler Systems). As indicated in a previous letter, Annex H from the Uniform Fire Code was used as a guide and is not state law.

Section 11.2.3 Water Demand Requirements-Hydraulic Calculation Methods, in NFPA 13 is to be used to determine fire flow in all buildings that have sprinklers. The area of the sprinkler system with the greatest demand must be added to the hose stream allowance shown in the table. Based on your sprinkler system information, the demand of 1600 gpm, plus a 250 gpm hose stream allowance, results in a total fire flow requirement of 1850 gpm for a one-hour duration. A minimum duration of sixty minutes is required for buildings where waterflow alarms are monitored. Ninety minutes when they are not monitored. A copy of this code section is enclosed for your review.

After consulting the National Fire Protection Association regarding Standard 24 section 7.1.4, pumper outlets (greater than 3.5") are permitted if water is available in excess of the sprinkler and hose stream demand. The purpose of this section is to restrict pumpers from using more than the water needed by the sprinkler system, unless it is available.

If you have any questions regarding this matter, you may reach me at 821-6866

Very truly yours,

Handwritten signature of Mark P. Vincent in black ink.

Mark P. Vincent
Fire Marshal

PC: John Duchesneau, KCWA
Bob Rapoza, Universal Properties

11.2.3 Water Demand Requirements — Hydraulic Calculation Methods.

11.2.3.1 General.

11.2.3.1.1* The minimum water supply requirements for a hydraulically designed occupancy hazard fire control sprinkler system shall be determined by adding the hose stream demand from Table 11.2.3.1.1 to the water supply for sprinklers determined in 11.2.3.1.5.

Table 11.2.3.1.1 Hose Stream Demand and Water Supply Duration Requirements for Hydraulically Calculated Systems

Occupancy	Inside Hose (gpm)	Total Combined Inside and Outside Hose (gpm)	Duration (minutes)
Light hazard	0, 50, or 100	100	30
Ordinary hazard	0, 50, or 100	250	60-90
Extra hazard	0, 50, or 100	500	90-120

For SI units, 1 gpm = 3.785 L/min.

11.2.3.1.2 The minimum water supply shall be available for the minimum duration specified in Table 11.2.3.1.1.

Attention: Scott Miller

EXHIBIT B

April 29, 2005

OFFICE MEMO

To: Board
From: Timothy Brown
Subject: Special Board Meeting, Friday, April 29, 2005
Date: April 28, 2005

I've reviewed both high service reviews for the Board. Since we have a number of items on the agenda as well as interviews, I thought the following information would assist the Board.

Wingate Hotel

A letter has been received from John P. Caito with a number of calculations concerning three comparable hotels. A copy of that letter and documentation is attached. Since these are on our system, we have reviewed them as well and have noted the following:

- The compound meter total consumption was not utilized.
- We did not determine which have irrigation systems or restaurants within the facilities.
- It also is unknown what the occupancy rates are for these hotels based on billing period. It is difficult using an average consumption from the billing records to make an actual determination as to the usage per room without occupancy rates. If we had average occupancy rates for the same billing period, of course it would be very easy to calculate a usage which would be considered average per room. Lacking that information, I have prepared a table attached of the three locations with the actual average consumption utilizing the average reading days per total billing period, and the number of rooms as provided in Mr. Caito's letter to calculate usage per room based on 50%, 75% and 100% occupancy. As you can see, they vary widely and it raises the question whether use of average consumption per room is of any value. I

personally do not believe it is and I don't think the Board would be well served to use any type "actual" average per room usage rates without further information. The original design application provided 100 gallons per day per room which is the industrial standard. The Board should not vary from that for any calculated average usage from others for the Wingate Hotel. As you can see at 50% occupancy, 100 gallons per room is well within reason. I do not believe it is overly conservative as indicated by Mr. Caito and I certainly think 100 gallons per room per day should be utilized for the calculation of the average consumption for the Wingate Hotel, and then apply the necessary factor to it for maximum day flow as was done previously by the engineer.

Wal-Mart Super Store being proposed to Center of New England Boulevard

Calculations of their flows are provided that were provided in the application review stage. We have no reason not to accept the flows as provided for an average daily flow of 6800 gallons per day and a maximum daily flow of 10,000 gallons per day. The fire flow has been determined by the fire marshal, and a letter will be provided by their engineers at the meeting.

The current surplus is attached. Subtracting off the Wingate and Wal-Mart store under maximum day flows provides us with no surplus for single family homes or emergencies.

ATTACHMENT MEMO TO BOARD

April 28, 2005

Location	Average Consumption Compound Meter (CF)	Average Read Days	# Rooms	Usage / Room (gal)		
				50% Occupancy	75% Occupancy	100% Occupancy
1200 Division Road West Warwick	73,618 CF	87.15	104	121.3	81.2	60.9
10 Keyes Way West Warwick	57,500 CF	92.38	88	106.1	70.7	53.0
Salvas Street Coventry	70,777	83.22	124	102.9	68.6	51.4

APPROVED HIGH SERVICE

(4/27/2005)

Number	Development	Street	Description	Avg. Day (gpm)	Max Day Multiplier	Max Day Approved (gpm)	Date Approved
1	Signal Ridge	EG Reservice	Homes	141.1	2.3	324.5	1/1/2001
2	Rose Farm	Frenchtown Rd., EG	Homes	1.11	2.3	2.6	5/4/2001
3	Birchwood Glen	Kulus Rd., WW	Homes	2.78	2.3	6.4	11/20/2001
4	Middle Woods	Middle Rd., EG	Homes	27.8	2.3	63.9	11/27/2001
5	Shippeetown Road Sub.	Shippeetown Rd., EG	Homes	6.67	2.3	15.3	12/10/2001
6	Amgen *	Technology Way, WG	Industrial	833.3	*	1500.0	2/8/2002
7	Sandra Court	Reservoir Rd., COV	Homes	1.81	2.3	4.2	5/20/2002
8	Chole Court	Clark Rd., COV	Homes	2.08	2.3	4.8	7/19/2002
9	Hawk Crest Est.	Hill Farm Rd., COV	Homes	12.2	2.3	28.1	4/4/2003
10	Crystal Creek	Middle Rd., EG	Homes	9.58	2.3	22.0	4/10/2003
11	Long Meadow	Frenchtown Rd., EG	Homes	8.33	2.3	19.2	4/10/2003
12	Middle Hollow	Middle Rd., EG	Homes	2.78	2.3	6.4	5/14/2003
13	Blueberry Hill	Shippeetown Rd., EG	Homes	7.78	2.3	17.9	8/26/2003
14	Hidden Ridge	Shippeetown Rd., EG	Homes	8.89	2.3	20.4	10/29/2003
15	Green Farm	Squirrel Ln./Tillinghast Rd., EG	Homes	6.67	2.0	13.3	1/12/2004
16	Dunkin Donuts	New London Turnpike	Commercial	1.3	1.5	1.9	2/9/2004
17	Chiropractic Center	Nooseneck Hill Rd., WG	Commercial	0.63	1.5	0.9	7/24/2004
18	Randolph Bank	Center of New England, COV	Commercial	1	1.5	1.5	11/11/2004
19	Leisure Condo	Nooseneck Hill Rd., COV	Condos	13.9	2.0	27.8	11/12/2004
20	Coventry Lumber	Nooseneck Hill Rd., COV	Commercial	1	1.5	1.5	11/16/2004
21	Santo Lombardi	Sharon Drive, COV	1 House	0.4	2.3	0.9	11/18/2004
22	Home Depot	Center of New England, COV	Commercial	1.7	1.5	2.5	12/6/2004
23	Gerald Zarrella	Frenchtown Rd., EG	1 House	0.4	2.3	0.9	3/16/2005
24	Arlington RV	Division Road, WG	Commercial	3.5	1.5	5.3	3/16/2005
25	Brooks Drugs	Division Road, EG	Commercial	10.4	1.5	15.6	3/16/2005
26	Pine Ridge	Hopkins Hill, COV	69 Homes	28.8	2.3	66.2	3/16/2005
27	Westwood Apartments	Reservoir Rd., COV	No Application	4.9	2.0	9.8	3/16/2005
28	Dawn Santilli	68 Surrey Lane, W. WAR	1 House	0.4	2.3	0.9	3/22/2005
29	Steven E. Moran	Division Road, WG	Commercial	1	1.5	1.5	4/21/2005
30	Maurice Cooney	949 Tillinghast Road, EG	1 House	0.4	2.3	0.9	4/21/2005
		TOTALS GPM		1142.61		2187.23	
		MGD		1.65		3.15	

* Maximum day flow demand based on correspondence received from Immunex (Amgen) To KCWA dated 15 January 2002

Supply/Pumping Capacity (MGD) 6.34 (-) Current Demand MGD 3.17 (-) Future Demand = 20,000 gal/day
 (-) (-) 3.15 (-) =

UTILITY CUSTOMER ACCOUNTING

File Edit Functions Help Tools System



Service History

Cust ID: 313485 Facility ID: FACILITY IQ-MS 129
 Div ID: 313485 Meter ID: 1200 Division: DIVISION RD
 Meter Type: 01

C	CL/RT	Bill ID	Read Date	Reading CD	Days	Consumption	Adj Amount	Srv Charge
6	IC05	20050333	02/28/2005	94300 A	91	48000	.00	1368.48
6	IC05	20041233	11/29/2004	89500 A	77	70000	.00	1995.70
6	IC05	20040934	09/13/2004	82500 A	112	137000	.00	3985.87
6	IC05	20040630	05/24/2004	68800 A	76	50000	.00	1425.50
6	IC05	20040333	03/09/2004	63800 A	104	44000	.00	1254.44
6	IC05	20031231	11/26/2003	59400 A	99	93000	.00	2651.43
6	IC05	20030932	08/19/2003	50100 A	75	97000	.00	2765.47
6	IC05	20030630	06/05/2003	40400 A	85	49000	.00	1396.99
6	IC05	20030332	03/12/2003	35500 A	71	46000	.00	1311.46
6	IC05	20021231	12/31/2002	30900 A	92	52000	.00	1441.44
6	IC05	20020930	09/30/2002	25700 A	92	140000	.00	3880.80
6	IC05	20020630	06/30/2002	11700 A	91	101000	.00	2799.72
6	IC05	20020331	03/31/2002	1600 A	68	20045	.00	555.65

Consumption Graph Average Cons: 72,949.62 Total: .00 20/152.95
 Avg Reading Days: 87.15

UTILITY CUSTOMER ACCOUNTING

File Edit Functions Help Tools System



Service History

Cust ID: 313484 Facility ID: FACILITY IQ-MAS 129
 Div ID: 313484 Meter ID: 1200 Division: DIVISION RD
 Meter Type: 01

C	CL/RT	Bill ID	Read Date	Reading CD	Days	Consumption	Adj Amount	Srv Charge
6	IC09	20050333	02/28/2005	100 A	91	0	.00	.00
6	IC09	20041233	11/29/2004	100 A	77	0	.00	.00
6	IC09	20040934	09/13/2004	100 A	112	0	.00	.00
6	IC09	20040630	05/24/2004	100 A	76	0	.00	.00
6	IC09	20040333	03/09/2004	100 A	104	0	.00	.00
6	IC09	20031231	11/26/2003	100 A	99	0	.00	.00
6	IC09	20030932	08/19/2003	100 A	75	0	.00	.00
6	IC09	20030630	06/05/2003	100 A	85	0	.00	.00
6	IC09	20030332	03/12/2003	100 A	71	0	.00	.00
6	IC09	20021231	12/31/2002	100 A	92	0	.00	.00
6	IC09	20020930	09/30/2002	100 A	92	10000	.00	199.10
6	IC09	20020630	06/30/2002	0 A	91	0	.00	.00
6	IC09	20020331	03/31/2002	0 A	68	0	.00	.00

Consumption Graph Average Cons: 769.23 Total: .00 199.10
 Avg Reading Days: 87.15

UTILITY CUSTOMER ACCOUNTING

File Edit Functions Help Tools System

Service History

Bill ID: 313587 Customer Name: COMFORT SUITES
 Service ID: 313587 Service: 18 ADDRESS: KEYES WAY
 Meter ID: 01 Telephone No: 7019274117 Fax: 7019274117

C	CL/RT	Bill ID	Read Date	Reading CD	Days	Consumption	Adj Amount	Srv Charge
6	IC05	20050333	02/28/2005	42000 A	91	36000	.00	1026.36
6	IC05	20041233	11/29/2004	38400 A	87	50000	.00	1653.58
6	IC05	20040934	09/03/2004	32600 A	102	86000	.00	2451.86
6	IC05	20040630	05/24/2004	24800 A	76	47000	.00	1339.97
6	IC05	20040333	03/09/2004	19300 A	104	46000	.00	1311.46
6	IC05	20031231	11/26/2003	14700 A	99	62000	.00	1767.62
6	IC05	20030932	08/19/2003	8500 A	50	40760	.00	1162.07
6	IC05	20030630	06/30/2003	4424 A	130	44240	.00	1261.28

Average Cons: 52,500.00 Totals: .00 11,974.28
 Avg Reading Days: 92.38

Consumption Graph

UTILITY CUSTOMER ACCOUNTING

File Edit Functions Help Tools System

Service History

Bill ID: 313586 Customer Name: COMFORT SUITES
 Service ID: 313586 Service: 18 ADDRESS: KEYES WAY
 Meter ID: 01 Telephone No: 7019274117 Fax: 7019274117

C	CL/RT	Bill ID	Read Date	Reading CD	Days	Consumption	Adj Amount	Srv Charge
6	IC09	20050333	02/28/2005	400 A	91	0	.00	.00
6	IC09	20041233	11/29/2004	400 A	87	0	.00	.00
6	IC09	20040934	09/03/2004	400 A	102	10000	.00	204.78
6	IC09	20040630	05/24/2004	300 A	76	10000	.00	204.78
6	IC09	20040333	03/09/2004	200 A	104	0	.00	.00
6	IC09	20031231	11/26/2003	200 A	57	0	.00	.00
6	IC09	20030932	09/30/2003	200 A	92	6600	.00	135.18
6	IC09	20030630	06/30/2003	134 A	130	13400	.00	274.30

Average Cons: 5,000.00 Totals: .00 818.80
 Avg Reading Days: 92.38

Consumption Graph

UTILITY CUSTOMER ACCOUNTING

File Edit Functions Help Tools System

Service History

Account: 116587 Name: HAMPTON INN
 Address: 116587 Street: SALVAS ST

Service: DI

C	CL/RT	Bill ID	Read Date	Reading CD	Days	Consumption	Adj Amount	Stv Charge
D	IC05	20050131	01/31/2005	57700 A	93	74000	.00	2109.74
D	IC05	20041030	10/30/2004	50300 A	116	140000	.00	3991.40
D	IC05	20040731	07/06/2004	36300 A	97	100000	.00	3079.08
D	IC05	20040430	03/31/2004	25500 A	93	82000	.00	2337.82
D	IC05	20040132	12/29/2003	17300 A	63	46000	.00	1311.46
D	IC05	20031030	10/27/2003	12700 A	88	126960	.00	3619.63
D	IC05	20030731	07/31/2003	4 A	92	0	.00	.00
D	IC05	20030430	04/30/2003	4 A	89	0	.00	.00
D	IC05	20030132	01/31/2003	4 A	18	40	.00	1.12

Average Cons: 64111.11 Totals: 00 16,450.25
 Avg Reading Days: 85.22

Consumption Graph

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UTILITY CUSTOMER ACCOUNTING

File Edit Functions Help Tools System

Service History

Account: 116586 Name: HAMPTON INN
 Address: 116586 Street: SALVAS ST

Service: DI

C	CL/RT	Bill ID	Read Date	Reading CD	Days	Consumption	Adj Amount	Stv Charge
D	IC10	20050131	01/31/2005	600 A	93	0	.00	.00
D	IC10	20041030	10/30/2004	600 A	91	9000	.00	184.23
D	IC10	20040731	07/31/2004	510 A	92	0	.00	.00
D	IC10	20040430	04/30/2004	510 A	98	0	.00	.00
D	IC10	20040132	01/31/2004	510 A	96	0	.00	.00
D	IC10	20031030	10/27/2003	510 A	88	0	.00	.00
D	IC10	20030731	07/31/2003	510 A	92	47400	.00	970.28
D	IC10	20030430	04/30/2003	36 A	89	3300	.00	67.55
D	IC10	20030132	01/31/2003	3 A	18	300	.00	6.03

Average Cons: 6666.67 Totals: 00 1,228.09
 Avg Reading Days: 83.22

Consumption Graph

Enter



25 Sharpe Drive Cranston, Rhode Island 02920
 Telephone (401) 946-0300 Fax (401) 944-6009



4:00 PM

April 25, 2005

Mr. Timothy J. Brown, P.E.
 General Manager / Chief Engineer
 Kent County Water Authority
 P. O. Box 192
 West Warwick, Rhode Island 02893-0192

*Re: Centre of New England
 Coventry, Rhode Island
 Project File: 10.528*

Dear Mr. Brown:

As requested by the Kent County Water Authority Board at their April 20, 2005 meeting we have researched water usage at other hotel facilities (copies enclosed). The results of our research is as follows:

Facility	Rooms	Average Daily Flow	Flow / Room
Extended StayAmerica 1200 Division Road West Warwick, RI	104 Studio Efficiencies	6,253 GPD	60 Gal/Room
Comfort Suites 10 Keyes Way West Warwick, RI	88 Rooms	4,251 GPD	48.3 Gal/Room
Hampton Inn Salvas Street Coventry, RI	124 Rooms	5762 GPD	46.5 Gal/Room

In reviewing the historical water data it must be noted that elements such as irrigation flow and seasonal water usages were not factored in to the calculation of a comparable average daily flow.

COPY SENT TO	
BOARD MEMBERS	<i>4/27/05</i>
CHAIRMAN	
LEGAL COUNSEL	



April 25, 2005
Mr. Timothy J. Brown, P.E.
Page 2

Based upon the record water usage at other similar hotel facilities the submitted water estimate of 100 Gallons per Room for the Wingate Hotel appears to be on the conservative side. Using 47 Gal/Room for the 89 Room Hotel yields an average daily flow of 4183 GPD.

With this information we respectfully request that a special meeting of the Kent County Water Authority Board be scheduled to review this information.

Should you have any questions, comments or require any additional information please do not hesitate to contact us at your convenience.

Very Truly Yours,
John P. Caito Corporation


Jeffrey C. Hanson, P.E.
Project Manager

Cc: Robert Rapoza

10.528JH042505TB.doc

Service History

Date: 313485 Unit Name: FACILITY IQ-MS 129
 Serv Loc ID: 313485 Serv Loc: 1208 DIVISION RD
 Meter ID: 788938431
 Meter Type: 314885337

Service

LINE	UNIT	BLD	Reading Date	Reading ID	Days	Consumption	AL Multi	Amount
6	IC85	20050333	02/28/2006	94300 A	91	48000	.00	1368.48
6	IC85	20041233	11/29/2004	89500 A	77	70000	.00	1995.70
6	IC85	20040934	09/13/2004	82500 A	112	137000	.00	3905.87
6	IC85	20040630	06/24/2004	68800 A	76	50000	.00	1425.50
6	IC85	20040333	03/09/2004	63000 A	104	44000	.00	1254.44
6	IC85	20031231	11/26/2003	59400 A	99	93000	.00	2651.43
6	IC85	20030932	08/19/2003	50100 A	75	97000	.00	2765.47
6	IC85	20030630	06/05/2003	40400 A	85	49000	.00	1396.99
6	IC85	20030332	03/12/2003	35600 A	71	46000	.00	1311.46
6	IC85	20021231	12/31/2002	30900 A	92	52000	.00	1441.44
6	IC85	20020930	09/30/2002	25700 A	92	140000	.00	3880.00
6	IC85	20020630	06/30/2002	11700 A	91	101000	.00	2799.72
6	IC85	20020331	03/31/2002	1600 A	68	20045	.00	555.65

Average Cons 72,849.62 Totals .00 26,752.95
 Avg Reading Days 87.15

Consumption Graph

$$\frac{72,849.62 \text{ CF} \times 7.48 \text{ Gal/CF}}{87.15 \text{ days}} = 6,253 \text{ GPD}$$

$$6,253 \text{ GPD} \div 104 \text{ Rooms} = 60 \text{ Gallons per Room}$$

Service History

Dept: 313587 Cus Name: COMFORT SUITES
 Sp. Acct: 313587 Rm No: 18 KEYES WAY
 Meter ID: 70091479 Back ID: 314068665

Room	Bill	Reading	Reading	Days	Consumption	Chg Amount	Sp. Charge		
6	IC85	20050333	02/28/2005	42800	A	91	36000	.00	1026.36
6	IC85	20041233	11/29/2004	38400	A	87	50000	.00	1653.50
6	IC05	20040934	09/03/2004	32600	A	102	86000	.00	2451.86
6	IC85	20040630	05/24/2004	24000	A	76	47000	.00	1339.97
6	IC05	20040333	03/09/2004	19300	A	104	46000	.00	1311.46
6	IC06	20031231	11/26/2003	14700	A	99	62000	.00	1767.62
6	IC85	20030932	08/19/2003	8500	A	50	40760	.00	1162.07
6	IC85	20030630	06/30/2003	4424	A	130	44240	.00	1261.28

Average Cons: 52,500.00 Totals: 88 11,974.28
 Avg Reading Days: 92.38

$$\frac{52,500 \text{ CF} \times 7.48 \text{ Gal/CF}}{92.38 \text{ days}} = 4,251 \text{ GPD}$$

$$4,251 \text{ GPD} \div 88 \text{ Rooms} = 48.3 \text{ Gallons per Room}$$

Service History

Cust ID: 116587 Cust Name: HAMPTON INN
 Service ID: 116587 Serv Desc: SALURS ST
 Billing No: 01 Meter ID/Type: 78199181
 Book No: 1161/9992134

IC	IC	Read Date	Reading	Unit	Days	Consumption	Rate	Amount	Balance
D	IC85	20050131	01/31/2005	57788	A	93	74808	.00	2109.74
D	IC85	20041030	10/30/2004	50300	A	116	140000	.00	3991.40
D	IC85	20040731	07/06/2004	36300	A	97	100000	.00	3079.00
D	IC85	20040430	03/31/2004	25500	A	93	82000	.00	2337.82
D	IC85	20040132	12/29/2003	17300	A	63	46000	.00	1311.46
D	IC85	20031030	10/27/2003	12700	A	88	126960	.00	3619.63
D	IC85	20030731	07/31/2003	4	A	92	0	.00	.00
D	IC85	20030430	04/30/2003	4	A	89	0	.00	.00
D	IC85	20030132	01/31/2003	4	A	18	40	.00	1.12

Consumption Graph Average Cons: 64,111.11 Totals: 88 16,458.25
 Avg Reading Days: 83.22

$$\frac{64,111.11 \text{ CF} \times 7.48 \text{ Gal/CF}}{83.22 \text{ days}} = 5762 \text{ GPD}$$

$$5762 \text{ GPD} \div 124 \text{ Rooms} = 46.5 \text{ Gallons per Room}$$

WATER USAGE
WAL-MART STORE #2283-03
Centre of New England Boulevard
Coventry, Rhode Island

Average daily flow: 6,800 gal.

Maximum daily flow: 10,000 gal.

Peak hourly flow: 2000 gal.

Peak instantaneous flow based on plumbing code: 130 gpm

Flows based on information for similar 195 Supercenter prototypical buildings.

Provided for comparison purposes



TOWN OF WESTERLY
 TOWN OF WESTERLY - OFFICE OF THE COLLECTOR OF TAXES
 ALL PAYMENTS MUST BE MADE TO THE TOWN OF WESTERLY
 BILLS PAYABLE AT TAX COLLECTOR'S OFFICE WEEKDAYS 8:30 A.M. TO 4:30 P.M.
 45 BROAD STREET, WESTERLY, RI 02891

DPW
 WATER, SEWER
 UTILITY BILL

			DUE DATE		
0200878000	133933	04/02/2004	05/07/2004		1,480.72

LOCATION: 258 POST ROAD

WAL-MART STORES #01-1964
 P.O. BOX 8042
 BENTONVILLE, AR 72712

INTEREST AT THE RATE OF 12% PER ANNUM
 WILL ACCRUE ON OVERDUE PAYMENTS FROM
 BILLING DATE.

OPEN CREDIT .00

ACCOUNT	DATE	DESCRIPTION	AMOUNT	DATE	AMOUNT	DATE	AMOUNT	DATE	AMOUNT
LIC1	12/29/2003	03/31/2004	0	0	0	1	.28		
SURQC					A 519	1	113.66		
WQC	12/29/2003	03/31/2004	21761	22280	A 519	1	1,277.36		
RPL USE RI TAX				APR 07 2004	0		89.42		
			05/07/2004	.00	.00		1,480.72		1,480.72

INQUIRIES: Your Account Number and Bill Number will be required for inquiries. Questions regarding Water/Sewer billing information should be directed to the Town of Westerly Utilities Division, at (401)-348-2559 or Fax at (401)-348-0550. See reverse side for description of charges.



TOWN OF WESTERLY
 TOWN OF WESTERLY - OFFICE OF THE COLLECTOR OF TAXES
 ALL PAYMENTS MUST BE MADE TO THE TOWN OF WESTERLY
 BILLS PAYABLE AT TAX COLLECTOR'S OFFICE WEEKDAYS 8:30 A.M. TO 4:30 P.M.
 45 BROAD STREET, WESTERLY, RI 02891

DPW
 WATER, SEWER
 UTILITY BILL
 MAKE CHECKS PAYABLE TO:
 TOWN OF WESTERLY

			DUE DATE		
0200878000	133933	04/02/2004	05/07/2004		OPEN CREDIT .00

LOCATION: 258 POST ROAD

WAL-MART STORES #01-1964
 P.O. BOX 8042
 BENTONVILLE, AR 72712

Mail address change?
 Please check box and
 see reverse side.

PAST DUE	.00
INTEREST DUE	.00
CURRENT CHARGE	1,480.72
AMOUNT DUE NOW	1,480.72

Please write your Account No. on your check

AMOUNT ENCLOSED	
------------------------	--

01096042004000133933200001480722

Please return this portion of the bill with your payment.

02727490

COLLECTION INFORMATION SYSTEM

PAYMENT COLLECTION



TOWN OF WESTERLY
 TOWN OF WESTERLY - OFFICE OF THE COLLECTOR OF TAXES
 ALL PAYMENTS MUST BE MADE TO THE TOWN OF WESTERLY
 BILLS PAYABLE AT TAX COLLECTOR'S OFFICE WEEKDAYS 8:30 A.M. TO 4:30 P.M.
 45 BROAD STREET, WESTERLY, RI 02891

DPW
 WATER, SEWER
 UTILITY BILL

			DUE DATE	
0200878000	140069	07/07/2004	08/11/2004	1,812.43

LOCATION: 258 POST ROAD

WAL-MART STORES #01-1964
 P.O. BOX 8042
 BENTONVILLE, AR 72712

INTEREST AT THE RATE OF 12% PER ANNUM
 WILL ACCRUE ON OVERDUE PAYMENTS FROM
 BILLING DATE.

OPEN CREDIT 0

LIC1	03/31/2004	07/01/2004	0	0	0	1	.2
SURQC					A 533	1	116.7
WQC	03/31/2004	07/01/2004	22280	22813	A 533	1	1,584.5
RPL USE					0		
RI TAX							110.9
08/11/2004			.00	.00	1,812.43		1,812.4

INQUIRIES: Your Account Number and Bill Number will be required for inquiries. Questions regarding Water/Sewer billing information should be directed to the Town of Westerly Utilities Division at (401)-348-2559 or Fax at (401)-348-0550. See reverse side for description of charges.



TOWN OF WESTERLY
 TOWN OF WESTERLY - OFFICE OF THE COLLECTOR OF TAXES
 ALL PAYMENTS MUST BE MADE TO THE TOWN OF WESTERLY
 BILLS PAYABLE AT TAX COLLECTOR'S OFFICE WEEKDAYS 8:30 A.M. TO 4:30 P.M.
 45 BROAD STREET, WESTERLY, RI 02891

DPW
 WATER, SEWER
 UTILITY BILL
 MAKE CHECKS PAYABLE TO:
 TOWN OF WESTERLY

			DUE DATE	
0200878000	140069	07/07/2004	08/11/2004	

LOCATION: 258 POST ROAD

WAL-MART STORES #01-1964
 P.O. BOX 8042
 BENTONVILLE, AR 72712

Mail address change?
 Please check box and
 see reverse side.

OPEN CREDIT	0
PAST DUE	.0
INTEREST DUE	.0
CURRENT CHARGE	1,812.4
AMOUNT DUE NOW	1,812.4

Please write your Account No. on your check

01096042005700140069600001812437

AMOUNT ENCLOSED

CUSTOMER PORTION

PAYMENT COUPON



TOWN OF WESTERLY
 TOWN OF WESTERLY - OFFICE OF THE COLLECTOR OF TAXES
 ALL PAYMENTS MUST BE MADE TO THE TOWN OF WESTERLY
 BILLS PAYABLE AT TAX COLLECTOR'S OFFICE WEEKDAYS 8:30 A.M. TO 4:30 P.M.
 45 BROAD STREET, WESTERLY, RI 02891

DPW
 WATER, SEWER
 UTILITY BILL

037587160

			DUE DATE	
0200878000	147175	10/07/2004	11/11/2004	1,997.59

LOCATION: 258 POST ROAD

WAL-MART STORES #01-1964
 P.O. BOX 8042
 BENTONVILLE, AR 72712

INTEREST AT THE RATE OF 12% PER ANNUM
 WILL ACCRUE ON OVERDUE PAYMENTS FROM
 BILLING DATE.

OPEN CREDIT .00

LIC1	07/01/2004	10/01/2004	0	0	0	1	.28
SURQC					A 587	1	128.55
WQC	07/01/2004	10/01/2004	22813	23400	A 587	1	1,746.50
RPL USE					0		122.26
RI TAX							
11/11/2004		.00		.00	1,997.59		1,997.59

OCT 15 2004

INQUIRIES: Your Account Number and Bill Number will be required for inquiries. Questions regarding Water/Sewer billing information should be directed to the Town of Westerly Utilities Division at (401)-348-2559 or Fax at (401)-348-0550. See reverse side for description of charges.



TOWN OF WESTERLY
 TOWN OF WESTERLY - OFFICE OF THE COLLECTOR OF TAXES
 ALL PAYMENTS MUST BE MADE TO THE TOWN OF WESTERLY
 BILLS PAYABLE AT TAX COLLECTOR'S OFFICE WEEKDAYS 8:30 A.M. TO 4:30 P.M.
 45 BROAD STREET, WESTERLY, RI 02891

DPW
 WATER, SEWER
 UTILITY BILL
 MAKE CHECKS PAYABLE TO:
 TOWN OF WESTERLY

			DUE DATE	
0200878000	147175	10/07/2004	11/11/2004	

OPEN CREDIT .00

LOCATION: 258 POST ROAD

WAL-MART STORES #01-1964
 P.O. BOX 8042
 BENTONVILLE, AR 72712

Mail address change?
 Please check box and
 see reverse side.

PAST DUE	.00
INTEREST DUE	.00
CURRENT CHARGE	1,997.59
AMOUNT DUE NOW	1,997.59

Please write your Account No. on your check

AMOUNT ENCLOSED	
-----------------	--

01096042005700147175400001997592

Please return this portion of the bill with your payment.

CHARGE CODE DEFINITIONS

WAR	WATER RESIDENTIAL ANNUAL
WARM	WATER RESIDENTIAL ANNUAL MULTI-FAMILY
WSAR	WATER RESIDENTIAL SEMI-ANN
WSARM	WATER RESIDENTIAL SEMI-ANN MULTI-FAMILY
WORM	WATER RESIDENTIAL QUARTERLY MULTI-FAMILY
WAG	WATER COMMERCIAL ANNUAL
WSAC	WATER COMMERCIAL SEMI-ANN
WQC	WATER COMMERCIAL QUARTERLY
SAR	SEWER RESIDENTIAL ANNUAL
SSAR	SEWER RESIDENTIAL SEMI-ANN
SQR	SEWER RESIDENTIAL QUARTERLY
SAC	SEWER COMMERCIAL ANNUAL
SSAC	SEWER COMMERCIAL SEMI-ANN
SQC	SEWER COMMERCIAL QUARTERLY
LIC1	RI LICENSE FEE QUARTERLY
LIC2	RI LICENSE FEE SEMI-ANN
LIC3	RI LICENSE FEE ANNUAL
*SURAR	RI SURCHARGE RESIDENTIAL ANNUAL
*SURARM	RI SURCHARGE RESIDENTIAL ANNUAL MULTI-FAMILY
*SURSAR	RI SURCHARGE RESIDENTIAL SEMI-ANN
*SURSRM	RI SURCHARGE RESIDENTIAL SEMI-ANN MULTI-FAMILY
*SURQRM	RI SURCHARGE RESIDENTIAL QTRLY MULTI-FAMILY
SURAC	RI SURCHARGE COMMERCIAL ANNUAL
SURSAC	RI SURCHARGE COMMERCIAL SEMI-ANN
SURQC	RI SURCHARGE COMMERCIAL QUARTERLY
HYD	PRIVATE HYDRANT
SPR1.5	1 1/2" FIRE PROTECTION SPRINKLER
SPR2	2" FIRE PROTECTION SPRINKLER
SPR4	4" FIRE PROTECTION SPRINKLER
SPR6	6" FIRE PROTECTION SPRINKLER
SPR8	8" FIRE PROTECTION SPRINKLER
SPR10	10" FIRE PROTECTION SPRINKLER
SPR12	12" FIRE PROTECTION SPRINKLER
ONOFF	SEASONAL ONOFF CHARGES
REPL USE	REPLACED METER USAGE
RITAX	RI SALES TAX
CITAX	CT SALES TAX

* If you are 65 or older and own your own home, you are eligible for a full or partial surcharge exemption. Bring proof of age to the Tax Collector's Office or the Water Department.

CHANGE OF MAILING ADDRESS SECTION ONLY

Please contact our office at 401-348-2559 to have the account name changed.

Address: _____

City: _____ State: _____ Zip: _____

Can be reached at the following telephone numbers:

Day () _____ Evenings () _____

EXHIBIT C

April 29, 2005

CONFIDENTIAL: FOR ACCOUNT USE ONLY

DELTA DENTAL OF RHODE ISLAND

Summary of Monthly Prospective Premium Rates (1)
 Three Year Renewal Proposal Effective May 1, 2005 through April 30, 2008

Kent County Water Authority

Sublocation Number	Present Rates Eff. 5/1/04 - 4/30/05		Renewal Rates Eff. (2) 5/1/05 - 4/30/06		Maximum Rates Eff. (3) 5/1/06 - 4/30/07		Maximum Rates Eff. (3) 5/1/07 - 4/30/08	
	Ind	Fam	Ind	Fam	Ind	Fam	Ind	Fam
1035-0001	\$27.16	\$78.18	\$28.52	\$82.09	\$30.52	\$87.84	\$32.66	\$93.99

Renewal Rate Adjustment

5.00%

7.00%

7.00%

Add Students to Age 23

\$0.00

\$3.43

\$0.00

\$3.67

\$0.00

\$3.93

The Renewal Rates Include the following Plan Enhancement: DeltaUSA

- (1) This proposal is contingent upon a signed agreement for the contract period, May 1, 2005 through April 30, 2008. Should the agreement be terminated prior to the end of the contract period, liquidation damages will be assessed to the account and payable to Delta Dental of Rhode Island.
- (2) The monthly prospective premium rates are guaranteed based upon the following enrollment assumption: 14 Individual contracts and 40 Family contracts. Any significant change in the assumed enrollment (plus or minus 10%) may result in adjustments to this renewal.
- (3) The rates effective 5/1/06-4/30/07 and 5/1/07-4/30/08 represent the maximum rates Kent County Water Authority would receive which would be determined through annual experience ratings. The renewal rates assume no benefit changes to the medical or dental benefit plans in effect as of the last renewal date.

EXHIBIT D

April 29, 2005

Exh 3
(TIOGUE WELL)



R. E. CHAPMAN COMPANY

DRILLING CONTRACTORS

30 NORTH MAIN STREET
WEST BOYLSTON, MASSACHUSETTS 01583-1126
TELEPHONE (508) 835-6231
800-727-6231
FAX (508) 835-3978

March 31, 2005

Kent County Water Authority
1072 Main Street
West Warwick, RI 02893

Attention: Mr. Rick Burns

Re: Spring Lake Well

COPY SENT TO	
BOARD MEMBERS	4/4/05
CHAIRMAN	
LEGAL COUNSEL	

Gentlemen:

Thanks for taking the time to meet with me at this facility this morning. As requested, we are pleased to offer the following for your consideration.

R. E. Chapman Company proposes to furnish labor, materials and equipment required to perform cleaning and redevelopment operations on the above-referenced well for the costs indicated below:

- Item #1:** Mobilization/demobilization of equipment, materials and supplies to and from the project site, set up and knock down of equipment, pull the existing pump and reinstall the existing pump, lump sum\$5,200.00

- Item #2:** Machine time on the job performing cleaning, rehabilitation and redevelopment operations on the well including setting and removing surging apparatus, injecting chemicals into the well, rating tests and pumping and surging operations

Estimated 50 hours at \$165.00 per hour\$8,250.00

- Item #3:** Chemical Costs

Estimated 100 gallons sodium hypochlorite with neutralizer at \$3.50 per gallon\$350.00

"An Equal Opportunity Employer"

Estimated 110 gallons muriatic acid with neutralizer at \$4.50 per gallon
.....\$495.00

Estimated 100 pounds sodium hexametaphosphates at \$1.50 per pound
.....\$150.00

Item #4: If directed, return pump to shop to be dismantled, cleaned and inspected with report on its condition and recommendations relative to component repair and/or replacement costs and time for completion of the work, lump sum\$950.00

Currently our availability is limited due to previously arranged work commitments. We could schedule the work for the week of April 4, 2005, if notified by April 1, 2005, but after this we would not be able to schedule the work until about 4 to 5 weeks after a notice to proceed.

I apologize for the tight scheduling, but this is the time of the year when everybody is trying to get projects scheduled and completed after winter to meet anticipated summertime water demands.

Should you have any questions/concerns, please don't hesitate to contact our office.

Very truly yours,

R. E. CHAPMAN COMPANY



Walter Allen, P.E.

WA/ar

EXHIBIT E

April 29, 2005



RESOLUTION OF THE KENT COUNTY WATER AUTHORITY

Be it resolved, that due to the critical impending shortage of drinking water, that Kent County Water Authority unanimously voted at its Board meeting of April 29, 2005, to vigorously support the construction of the Big River Reservoir in order to provide for the current and future economic development and to ensure the residential quality of life of its customers be preserved.

Be it further resolved, that the Rhode Island Water Resources Board initiate and complete the process of removing the land known as "Big River Reservoir" from the open space designation by determining it appropriate pursuant to Title 37, Chapter 20, Section 1 of the Rhode Island General Laws.

Be it further resolved that the Governor of the State of Rhode Island, the Rhode Island General Assembly, the Rhode Island Congressional Delegation and all Rhode Island regulatory agencies employ all of their best efforts and abilities to procure funding for and complete the construction of the Big River Reservoir without further delay.

Dated: April 29, 2005


Francis J. Perry, P.E.
Chairman

Board Members:

Peter Masterson Barbara Graham
Robert Boyer Joseph E. Gallucci

EXHIBIT F

April 29, 2005

OFFICE MEMO

To: Board
From: Timothy Brown
Subject: Randolph Bank Letter Received Kent County Water Authority, Chairman Frank Perry, April 28, 2005
Date: April 29, 2005

I was unable to provide a review and response to the letter of Randolph Bank that was provided at the end of yesterday. I have had since that time an opportunity to review the letter and review the inconsistencies in that letter. The blame that Randolph Bank seems to be placing on Kent County Water Authority falls squarely on their shoulders and not ours. I think by the attached letters and correspondence you will see that their engineer did not provide knowledge of irrigation initially but eventually provided irrigation after our comments. They also acknowledged that the developer would provide alternate means for irrigation, a conservation wise irrigation plan and acknowledge that irrigation was not approved.

1. June 28, 2004, first application received by Caito Corporation. No irrigation was indicated on application nor calculations provided.
2. July 1, 2004, response by Kent County Water Authority - Item No. 6 that the submission does not reflect any irrigation requirements at this time.
3. November 5, 2004, response by Caito Corporation to our letter of July 1, 2004. Added irrigation to the application and calculations reflect irrigation flow.
4. November 11, 2004, letter of approval from Kent County Water Authority recommendation by Chairman for conservation wise irrigation plan and the fact that irrigation was not approved.
5. November 24, 2004, Caito response letter stated developer will seek alternate means for irrigation or submit a conservation wise irrigation plan for review. Also acknowledged that irrigation was not approved.

6. Approval drawings, drawing No. 5 shows a landscape plan, but no irrigation plan included. Strictly a landscaping plan of bushes, shrubs etc.

As can be seen from above, if there was any delay it was caused by the developer. In particular between July 1, 2004 to November 5, 2004 where no response was received. Further, their initial submission did not provide any landscaping irrigation. The second submission did and our approval letter negated landscape irrigation and provided an alternate for them for a conservation wise plan that would be reviewed by the Board. It is clear that the letter from Randolph Bank is somewhat misleading and the facts show the developer and/or engineer is fully responsible for what Randolph Bank is claiming in their letter. The conservation wise proposal that they have included in their letter (last sentence) is not a conservation plan. I would recommend that the Board respond to this letter, clarifying the points and requesting again Randolph Savings Bank to provide a conservation wise irrigation plan or an alternate source for irrigation.



RANDOLPH SAVINGS BANK

Established 1851



April 26, 2005

Mr. Frank Perry
Chairman
Kent County Water Authority
P.O. Box 192
West Warwick, R.I. 02893-0192

RE: Randolph Savings Bank
Centre of New England Boulevard
Coventry, Rhode Island

Dear Mr. Perry:

In late 2004, Randolph Savings Bank opened its first Rhode Island facility in Coventry, RI. The project also required an enlightening coordination process to obtain approvals from the Town and various utilities. This letter will focus strictly on landscape design which was approved by the Town of Coventry in the early summer of 2004 and before construction was initiated.

On November 11, 2004, as the Bank was nearing completion of the building, a letter was sent by the Kent County Water Authority (KCWA) for the approval of water installation and the fire sprinkler system. Incorporated into this letter was the revelation that "Landscape irrigation is not included in this approval. As recommended by the Chairman, the developer must submit a conservation wise plan for review by the Kent County Water Authority in conjunction with the project".

This was the first written communication the Bank received from the KCWA (via its engineering firm) on this matter. It is important to note that the installation of landscaping and a comprehensive irrigation system was virtually complete. Thousands of dollars has been expended by the Bank and it is now unable to utilize it's irrigation system. The Bank must now contemplate an additional expense to install a well. While recognizing the need for water conservation, it would seem beneficial that the governing bodies of the Town and KCWA jointly execute their mission so that businesses which are expanding in the state and providing employment are not spending funds unnecessarily.

Accordingly, it is respectfully requested that the KCWA revisit the Bank's request to tie-in its irrigation system. Randolph Savings Bank proposes a water conservation plan which would have irrigation during non peak hours (2AM to 3AM).

Respectfully,

Peter T. Pastore, Jr.
Executive Vice President

Cc: Hon. Frank Hyde
Ronald A. Grant, President, CEO

COPY SENT TO	
BOARD MEMBERS	4/28/05
CHAIRMAN	
LEGAL COUNSEL	



**KENT COUNTY WATER AUTHORITY
REQUEST FOR PLAN REVIEW
APPLICATION FORM
(ALL APPLICATIONS EXCEPT SINGLE-FAMILY, RESIDENTIAL)**

REVIEW TYPE: Design Review Preliminary _____
Design Review Final X _____

Owner: Randolph Savings Bank
Address: 10 Cabot Place
 Stoughton, MA 02072

Engineer: John P. Caito Corporation
Address: 25 Sharpe Drive
 Cranston, RI 02920

Telephone # (781) 341-6634
Contact Person: Peter Pastore

Telephone # (401) 946-0300
Contact Person: Jeffrey Hanson

Project Reference Name: Randolph Savings Bank
Service Location: Centre of New England Boulevard, Coventry
Plat: 7 Lot: 2.2

TYPE OF SERVICE:

Residential: _____
Condominium: _____
Industrial: _____

Commercial: X

(Single Duplex etc.) # Units _____
(Single Duplex etc.) # Units _____
(State Type & Uses) _____

(State Type & Uses) Bank Employees

ADDITIONAL SERVICES:

Swimming Pool: _____
Lawn Sprinklers: _____
Fire Service: X
Hydrants: _____
Misc.: _____

(State Types)

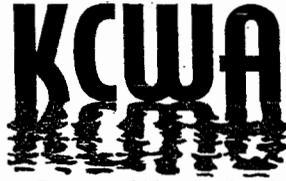
ROAD SYSTEM:

Public: X
Private: _____
Other: _____

Engineer shall complete and attach all necessary checklists and supporting data:

- | | |
|--|---|
| <input type="checkbox"/> Private pumping booster station | <input checked="" type="checkbox"/> 2 Sets of plans |
| <input checked="" type="checkbox"/> Design checklist preliminary and final | <input type="checkbox"/> Design calculations |
| <input type="checkbox"/> Calculation checklists | |

BASIC INFORMATION ON BACK 



Kent County Water Authority

July 1, 2004

Mr. Jeffrey C. Hanson
John P. Caito Corporation
25 Sharpe Drive
Cranston, RI 02920

RE: Randolph Savings Bank
Centre of New England Blvd.
Centre of New England
Coventry, RI
Project File 750.1388

Dear Mr. Hanson:

We have reviewed your application submission received in our office on June 28, 2004 at 1:20 p.m. and provide the following comments:

1. Calculations must be wet stamped and signed by the professional engineer licensed in the State of Rhode Island. KCWA regulations 3.4.2.
2. No calculations were included reflecting C values for flow or losses for any meter backflow devices and all valves, fittings, and appurtenances. Reference KCWA regulation 3.4.3.
3. Profiles for the items listed in number 14 of the checklist are not shown on the plans.
4. Drawing does not reflect service size requirement of KCWA regulation 3.18.11. Current configuration shows a 12-inch to a 6-inch to a 4-inch.
5. Service is not tapped between property bounds in front of project.
6. Sheet 5 shows extensive planting. Application does not reflect any irrigation system requirements. Please clarify.
7. Meter and backflow detail is required and must show how domestic and fire are configured. KCWA regulation 3.7.8.
8. Fire Department review letter is required in this submission to address section 3.1.3 and 3.9.5 of the Kent County Water Authority regulations.

9. Thrust block calculations or restrained length calculations must be submitted per KCWA regulation 3.4.1 and 3.7.6.
10. Provide sewer and water main crossing profile. Identify force main and gravity sewers on plan. Provide note requiring compliance with KCWA regulation 3.14.6 and 3.21.18 as it pertains to sewer and water separation.
11. Revised submission must conform to the requirements in 3.1.4 and 3.1.5 of the KCWA regulations.

The above information is required so we may continue the review process. Please feel free to call should you have any questions regarding this matter.

Very truly yours,
Kent County Water Authority



John Duchesneau
Director of Technical Services

JD/clb

**KENT COUNTY WATER AUTHORITY
REQUEST FOR PLAN REVIEW
APPLICATION FORM**
(ALL APPLICATIONS EXCEPT SINGLE-FAMILY, RESIDENTIAL)



REVIEW TYPE: Design Review Preliminary _____
Design Review Final X

Owner: Randolph Savings Bank
Address: 10 Cabot Place
 Stoughton, MA 02072

Engineer: John P. Caito Corporation
Address: 25 Sharpe Drive
 Cranston, RI 02920

Telephone # (781) 341-6634
Contact Person: Peter Pastore

Telephone # (401) 946-0300
Contact Person: Jeffrey Hanson

Project Reference Name: Randolph Savings Bank
Service Location: Centre of New England Boulevard, Coventry
Plat: 7 **Lot:** 2.2

TYPE OF SERVICE:

Residential: _____
Condominium: _____
Industrial: _____

Commercial: X

(Single Duplex etc.) # Units _____
(Single Duplex etc.) # Units _____
(State Type & Uses) _____

(State Type & Uses) Bank Employees

ADDITIONAL SERVICES:

Swimming Pool: _____
Lawn Sprinklers: X
Fire Service: X
Hydrants: _____
Misc.: _____

(State Types)

ROAD SYSTEM:

Public: X
Private: _____
Other: _____

Engineer shall complete and attach all necessary checklists and supporting data:

- Private pumping booster station
- Design checklist preliminary and final
- Calculation checklists
- 2 Sets of plans
- Design calculations

BASIC INFORMATION ON BACK →



25 Sharpe Drive Cranston, Rhode Island 02920
Telephone (401) 946-0300 Fax (401) 944-6009

November 5, 2004

Mr. John Duchesneau
Kent County Water Authority
P.O. Box 192
West Warwick, RI 02893



**RE: Randolph Savings Bank
Assessor's Plat 7, Lot 2.2
750 Centre of New England Boulevard
Coventry, Rhode Island
Project File: 750.1338**

Dear Mr. Duchesneau,

In response to your review comments dated July 1, 2004 for the above referenced project we offer the following:

- Comment 1. Calculations must be wet stamped and signed by the professional engineer licensed in the State of Rhode Island. KCWA regulations 3.4.2.
Response: Appropriately stamped calculations are included with this re-submission.
- Comment 2. No calculations were included reflecting C values for flow or losses for any meter backflow devices and all valves, fittings, and appurtenances. Reference KCWA regulation 3.4.3.
Response: Calculations prepared by Pierce Fire Protection reflecting C values for flow or losses for any meter backflow devices and all valves, fittings, and appurtenances are included with this submission
- Comment 3. Profiles for the items listed in number 14 of the checklist are not shown on the plans.
Response: Following our meeting on July 14, 2004 it was agreed that profiles are not required, as we have no utility crossings.
- Comment 4. Drawing does not reflect service size requirement of KCWA regulation 3.18.11. Current configuration shows a 12-inch to a 6-inch to a 4-inch.
Response: The plans have been revised to show a 16" x 4" tapping sleeve and gate valve directly in front of the property.
- Comment 5. Service is not tapped between property bounds in front of project.
Response: Service will be tapped between the property lines in front of the project.



Mr. John Duchesneau
November 5, 2004
Page 2

- Comment 6. Sheet 5 shows extensive planting. Application does not reflect any irrigation system requirements. Please clarify.
Response The project as proposed includes irrigation. The application and calculations now include the irrigation flows.
- Comment 7. Meter and backflow detail is required and must show how domestic and fire are configured. KCWA regulation 3.7.8.
Response A plan detailing the meter and backflow configuration is enclosed for your review.
- Comment 8. Fire Department review letter is required in this submission to address section 3.1.3 and 3.9.5 of the Kent County Water authority regulations.
Response Correspondence from the Hopkins Hill Fire Department for this project is enclosed herewith for your review.
- Comment 9. Thrust block calculations or restrained length calculations must be submitted per KCWA regulation 3.4.1 and 3.7.6.
Response Thrust block calculations are enclosed herewith for your review.
- Comment 10. Provide sewer and water main crossing profile. Identify force main and gravity sewers on plan. Provide note requiring compliance with KCWA regulation 3.14.6 and 3.21.18 as it pertains to sewer and water separation.
Response Profiles are not required, as we have no utility crossings. Notes and details on Sheet 6 of 7 proved for the requisite utility separation as it pertains to sewer and water separation.
- Comment 11. Revised submission must conform to the requirements in 3.1.4 and 3.1.5 of the KCWA regulations.
Response This Revised submission conforms to the requirements in 3.1.4 and 3.1.5 of the KCWA regulations.



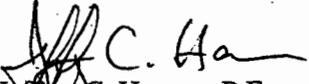
Mr. John Duchesneau
November 5, 2004
Page 3

Accordingly, enclosed herewith for review and approval please find the following information:

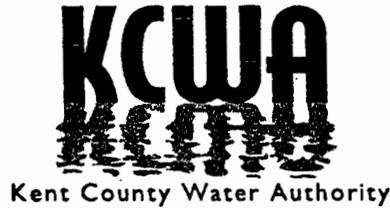
1. Completed Kent County Water Authority Request for Plan Review Application Form
2. Completed Kent County Water Authority Design Checklist for Review
3. Completed Kent County Water Authority Calculation Checklist for Reviews
4. Two (2) sets of the revised Construction Plans
5. Water Supply Demand Calculations
6. One (1) copy of the Thrust Block Calculations
7. One (1) copy of the Hydraulic Design Information Sheet (Pierce Fire Protection)
8. One (1) copy of the letter from Hopkins Hill Fire Department Fire Marshal Mark P. Vincent
9. One (1) copy of the Fire Protection Plan that details the equipment in the Valve Room (Meter and Backflows) (Pierce Fire Protection)

Should you have any questions, comments or require any additional information please do not hesitate to contact us at your convenience.

Very Truly Yours,
John P. Caito Corporation


Jeffrey C. Hanson, P.E.
Project Manager

750.1338.JH110204JD.doc



November 11, 2004

Mr. Jeffrey C. Hanson, P.E.
John P. Caito Corporation
25 Sharpe Drive
Cranston, RI 02920

Re: Randolph Savings Bank
Center of New England Boulevard
Coventry, Rhode Island

Dear Mr. Hanson:

Based on the professional engineers certification that the design will properly service the above referenced site and the stipulated revisions discussed at our November 10, 2004 meeting with the Chairman of the Board of Directors and General Manager, we herewith provide our approval for the installation. This approval requires that you provide the revised design and calculations within two weeks from the November 10, 2004 meeting date. The developer must also complete all testing requirements of the Coventry Fire Department to prove that the fire sprinkler system will operate satisfactory once construction is completed. Landscape irrigation is not included in this approval. As recommended by the Chairman, the developer must submit a conservation wise irrigation plan for review by the Kent County Water Authority in conjunction with this project.

All requirements of the Kent County Water Authority Rules and Regulations must be adhered to during construction. A copy of the plans and the Kent County Water Authority Rules and Regulations must be kept onsite while work is in progress. A complete set of as-built drawings must be received and approved by this office prior to final water service activation to this site. The owner and/or the developer is solely responsible to maintain accurate installation information and tie measurements necessary to produce finalized as-built drawings meeting the requirements Kent County Water Authority Rules and Regulations.

We require your construction contractor to notify us five days prior to construction commencement so that a field representative may be made available to observe work in progress. A \$5.00 per linear foot inspection fee must be paid in full prior to construction commencement. Measurements from the drawing show approximately 185 feet of infrastructure subject to the inspection fee resulting in total fee of \$925. We must emphasize that the developer is solely responsible to control their contractor in the progression of work to ensure the infrastructure is accomplished in accordance with the requirements contained in the Kent County Water Authority Rules and Regulations and the approved design.

Compliance with the state plumbing code in reference to backflow prevention and service line disinfection must be verified by the plumbing inspector prior to water service activation. A copy of the bacteria sample test results and inspection confirmation letter from the plumbing inspector must be provided upon request for water service activation. The Kent County Water Authority requires reduced pressure zone style back flow preventers for commercial installations of this nature.

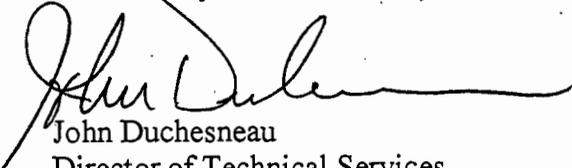
If work has not begun construction on the water line within six months from the date of this letter water service approval terminates. A complete re-submission and/or request for extension of this approval will be necessary prior to construction commencement.

Nothing in this letter relieves the responsible party for compliance with all applicable local, state and federal regulations in association with this water infrastructure installation approval.

To continue to keep this file active we require written confirmation of receipt of this approval letter along with tentative dates for construction commencement within ten working days of receipt of this letter.

Please feel free to call us if you have any questions regarding this matter.

Very truly yours,
Kent County Water Authority



John Duchesneau
Director of Technical Services

JD/lms



25 Sharpe Drive Cranston, Rhode Island 02920
Telephone (401) 946-0300 Fax (401) 944-6009

November 24, 2004

Mr. John Duchesneau
Kent County Water Authority
P.O. Box 192
West Warwick, RI 02893



**RE: Randolph Savings Bank
Assessor's Plat 7, Lot 2.2
750 Centre of New England Boulevard
Coventry, Rhode Island
Project File: 750.1338**

Dear Mr. Duchesneau,

In response to your review comments received at our November 10, 2004 meeting and your November 11, 2004 correspondence for the above referenced project enclosed herewith please find two (2) sets of the revised Construction Plans.

The plans have been revised to incorporate your review comments specifically:

Sheet 4 - A detail has been added to show the sanitary sewer service and water main crossing

Sheet 6 - The Typical Utility Trench Detail has been removed from the plan as typical water and sewer trench details are provided for on Sheet 7.

- Water Notes 10, 12 & 14 have been revised as requested.
- The RIDEM Separation Policy for Water and Sewer Mains has been updated

Sheet 7 - The Trench Detail has been renamed to Sewer Trench Detail

At this time it is understood landscape irrigation is not approved at this time. The developer will seek alternative means of irrigation for the project or submit a conservation wise irrigation plan for review by the Kent County Water Authority.

Calculations and revised plans from the fire sprinkler designer are not complete at this time. It is anticipated that this information will be delivered to the Kent County Water Authority on or before December 1, 2004.

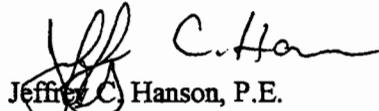


November 24, 2004
Mr. John Duchesneau
Page 2

Please accept this letter as confirmation of receipt of your November 11, 2004 correspondence and that construction commencement has already proceeded in accordance with the contingent approval.

Should you have any questions, comments or require any additional information please do not hesitate to contact us at your convenience.

Very Truly Yours,
John P. Caito Corporation



Jeffrey C. Hanson, P.E.
Project Manager

Cc: Robert Rapoza

750.1338JH110204JD.doc

EXHIBIT G

April 29, 2005



EXH 6

April 25, 2005

Mr. Timothy J. Brown, PE
General Manager/Chief Engineer
Kent County Water Authority
1072 Main Street
West Warwick, Rhode Island 02893

**Re: Read Schoolhouse Road - 2 Million Gallon Water Storage Tank
Coventry, Rhode Island
Additional Consulting Tank Engineering Review Services
PARE Project No. 04179.00**

Dear Mr. Brown:

Attached herewith is Invoice No. 5, dated April 25, 2005, which has been prepared in connection with additional and extended engineering consulting services provided for the above-referenced water storage tank project through the period ending March 25, 2005. This invoice reflects three separate tasks and the associated costs for extended engineering reviews and analyses performed by Pare Engineering Corporation (PARE) as the original tank design criteria was initially reviewed and discussed with the Kent County Water Authority (KCWA), and as constructability issues were identified by PARE for the proposed tank within the designated tank site during the design development stage.

Task No. 002 pertains to the additional effort to review alternative tank dimensions than those specified in the Request-for Proposals (RFP) originally issued by the KCWA, and to determine modified design dimensions (both diameter and tank depth/height) associated with the sizing of the proposed 2-MG buried service water storage tank. This effort was expended at the request of the KCWA, and resulted in the preparation of PARE's letter, dated December 10, 2005, which was developed in connection with this preliminary tank design sizing evaluation, and resulted in modified tank dimensions to those stated in the original KCWA RFP.

Task No. 003 pertains to the extended research and review performed in connection with the internal mixing analysis for the tank's design. At the request of KCWA, PARE further investigated tank mixing and methodologies beyond the Tideflex style mixing check-valve method described in PARE's original proposal for the above-referenced project. Reference is made to PARE's letter, dated February 24, 2005, which was prepared by PARE at KCWA's request in connection with the evaluation of other potential tank mixing systems. Alternative mixing technologies were further reviewed at the request of the KCWA, and it was determined that the utilization of the Tideflex style mixing valve system would be the appropriate internal mixing system for the proposed 2-MG storage tank, as originally proposed in PARE's proposal for these tank design services.



Mr. Timothy J. Brown, P.E.

(2)

April 25, 2005

The final task, as presented on the attached invoice, is Task No. 004, which pertains to the additional level of effort performed in connection with a tank constructability review and analysis of the proposed buried service style concrete tank within the designated site off of Nike Road. The findings of the subsurface investigation yielded significant groundwater and geotechnical conditions, which led to an extended, more detailed investigation of foundation constructability and geotechnical issues by PARE, in an effort to identify additional buoyancy, groundwater and site drainage provisions, which would have to be incorporated with the tank design so as to build a tank of this style construction on this particular site.

PARE expended a significant amount of man-hours to ascertain if any type of foundation could be constructed at a reasonable cost. Tank foundation alternatives, such as thickened floor slabs; various anchoring systems; pile-supported foundations; and others, were reviewed and given careful consideration in pursuit of reasonable cost alternatives for the KCWA to construct the buried style tank structure at this pre-selected site. Reference is made to PARE's letter, dated March 11, 2005, which was prepared subsequent to the project review meeting held at the KCWA office on the same date, so as to generally summarize the findings of the foundation, geotechnical and site issues, which resulted in recommending that the KCWA give serious consideration to an alternative tank site location.

The aforementioned effort represented an expanded site evaluation and an extended constructability review effort, which led to the conclusion that the proposed site could potentially increase the tank construction costs by four times the amount that would be conventionally required to build a tank of this style under more suitable and manageable site conditions. This effort alone saved the KCWA an anticipated \$2 to \$3 million dollars, which may have been expended on this tank construction had the design, bidding and construction phases been further pursued at the present site.

We trust that this letter presents a satisfactory explanation of the additional costs incurred during the design development stages of this tank design project, which ultimately led to the consideration of an alternate tank site to construct a water storage tank facility of the same capacity and hydraulic grade at a significantly reduced and more conventional tank construction cost. If you have any further questions, or require clarification of the above-described efforts, please do not hesitate to contact this office.

Very truly yours,

A handwritten signature in cursive script, appearing to read "G. G. Palmisciano".

George G. Palmisciano, P.E.
Senior Vice President

GGP/raa

cc: Robert A. Anderson, Jr., P.E., PARE
Brendan F. Ennis, P.E., PARE

Invoice



KENT COUNTY WATER AUTHORITY
1072 MAIN STREET, P.O. BOX 192
WEST WARWICK, RI 02893
ATTN:TIMOTHY J. BROWN, P.E., GENERAL .MANAGER,CHIEF ENGINEER

April 25, 2005
Project No: 04179.00
Invoice No: 0000005

KENT COUNTY WATER AUTHORITY-READ SCHOOL HOUSE TANK DESIGN
Professional services from January 29, 2005 to March 25, 2005

Task: 002 ADDITIONAL SERVICES- TANK SIZING

Professional Personnel

	Hours	Rate	Amount	
PRINCIPAL/PROJECT MANAGER				
ANDERSON, ROBERT	4.50	110.00	495.00	
PALMISCIANO, GEORGE	1.00	110.00	110.00	
PROJECT ENGINEER/SENIOR SCIENTIST				
ENNIS, BRENDAN	13.00	85.00	1,105.00	
Totals	18.50		1,710.00	
Total Labor				1,710.00
				Total this task \$1,710.00

Task: 003 ADDITIONAL SERVICES-MIXING ANALYSIS

Professional Personnel

	Hours	Rate	Amount	
PRINCIPAL/PROJECT MANAGER				
ANDERSON, ROBERT	4.50	110.00	495.00	
PROJECT ENGINEER/SENIOR SCIENTIST				
ENNIS, BRENDAN	8.00	85.00	680.00	
Totals	12.50		1,175.00	
Total Labor				1,175.00
				Total this task \$1,175.00



Project: 04179.00

Invoice No: 0000005

Task: 004 ADD'L SVCS.-EXTENDED DESIGN & CONSTRUCTION EVALUATION

Professional Personnel

	Hours	Rate	Amount
PRINCIPAL/PROJECT MANAGER			
ANDERSON, ROBERT	6.00	110.00	660.00
BELLISLE, J. MATTHEW	8.50	110.00	935.00
PALMISCIANO, GEORGE	3.00	110.00	330.00
PROJECT ENGINEER/SENIOR SCIENTIST			
ENNIS, BRENDAN	22.00	85.00	1,870.00
MATHESON, DAVID	6.00	85.00	510.00
ENGINEER			
ORSI, ALLEN	11.50	65.00	747.50
WOOD, SARAH	3.00	65.00	195.00
Totals	60.00		5,247.50
Total Labor			5,247.50
		Total this task	\$5,247.50
		TOTAL THIS INVOICE	\$8,132.50

EXHIBIT H

April 29, 2005

C&E ENGINEERING PARTNERS, INC.

KCWA – GREENWICH AVENUE WATER MAIN CLEANING AND LINING PROJECT

1. General Process

- Mechanical scraping (cleaning) of interior pipe surfaces to remove build up and sediments followed by application of a cementitious interior coat to prevent future fouling.
- Replace all valves, fittings, hydrants and service connections (selected).
- Cure, disinfect and return rehabilitated water main to service.

2. Key Issues Related to Water Main Cleaning and Lining

- Maintaining water service through out construction (i.e. provisions for fire fighting and temporary by-passes for customer service).
- Critical isolation of mains to be C&L'd to ensure minimum interruptions of service.
- Proper sequencing of work to ensure the efficient progress of work tasks.
- Employ proper techniques to ensure protection of adjacent portions of the system from contamination (i.e. complete isolation, disinfection of temporary services, etc.)
- Quality control of the C&L process (i.e. video inspection, QA/QC thickness testing).
- Unknown obstruction that may prevent passage of the cleaning or lining equipment and necessitate additional access to the main to complete the work.

3. Surveying and Project Base Plans – Professional Surveyor

- Base plans will be suitable for use with Authority GIS program.
- Global Positioning System (GPS) location of water utility to update Authority GIS mapping.

4. Dead End Blow-Off Assembly Options

- Advocate both a manual (hydrant) and automatic (timed release) blow off system.
- Hydrant at dead end to allow physical removal of sediments and flushing velocity of 2.5 ft/s.
- Automatic to consist of a timed flushing device to ensure water quality is maintained by controlled discharge.
- Issues with automatic system include permitting, discharge to storm drain or UIC, backflow prevention and dechlorination.

Exh 8

About Us

- [The HG Story](#)
- [Benefits](#)

Product Info

- [Standard Unit](#)
- [DD Unit](#)
- [Longneck Standard](#)
- [Longneck Subsurface](#)
- [Vertical Units](#)
- [Basic Unit](#)
- [Accessories/Upgrades](#)

Case Studies

- [Naples, FL](#)
- [Clayton County](#)
- [Client List](#)

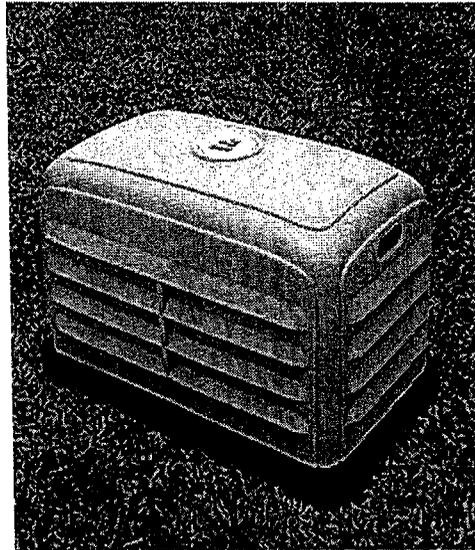
Technical Info

- [Selecting Your Hydro-Guard Unit](#)
- [Specifications](#)
- [Abstract](#)
- [Owner's Manual](#)
- [Programming](#)
- [Freeze Protection](#)
- [Calculate Your Flush Duration](#)
- [Flow Rate Graph](#)

Learn More

- [Cost Savings](#)
- [FAQ](#)
- [Presentation](#)

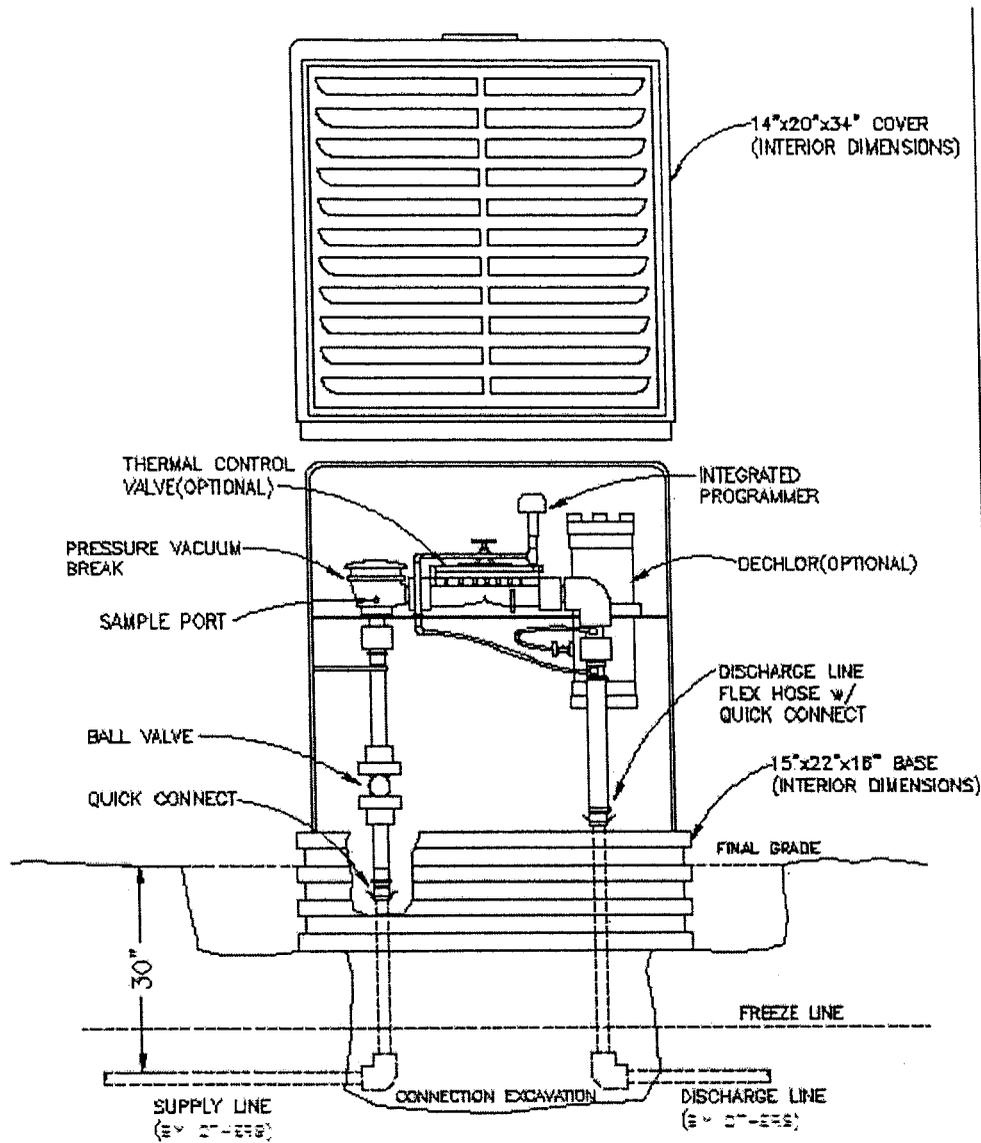
| [Home](#) |
 | [Contact Us](#) |



The Hydro-Guard® Direct Discharge Unit

The Direct Discharge Unit allows the user to connect a discharge line for the flushed water. Generally, this line leads to a sanitary sewer, storm sewer, retention area or other disposal site. Once programmed, the Unit's 9-volt battery-powered controller opens and closes a solenoid-operated valve at the preset days, times, and for the correct duration.

The Direct Discharge Unit is constructed with non-corrosive materials weighing approximately 100 pounds (45 kilograms). Inside the cover is a 14-



TYPICAL INSTALLATION
HYDRO-GUARD VERTICAL UNIT HG-5VAC
ENVIRONMENTAL ENHANCEMENT & TECHNOLOGIES USA, INC.
NAPLES, FLORIDA

EXHIBIT I

April 29, 2005



CLEANING & LINING PROCESS

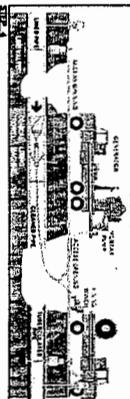
STEP 1
DEBRIS AND WATER SWAY
- DEBRIS AND WATER USED FOR
- 2.5' OF 8" PIPE TYPICALLY USED



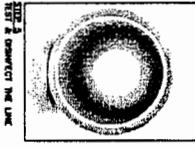
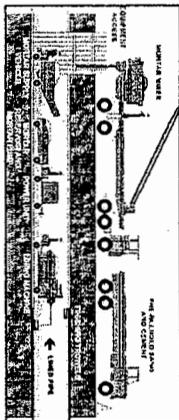
STEP 1
ACCESS THE WATER LINE



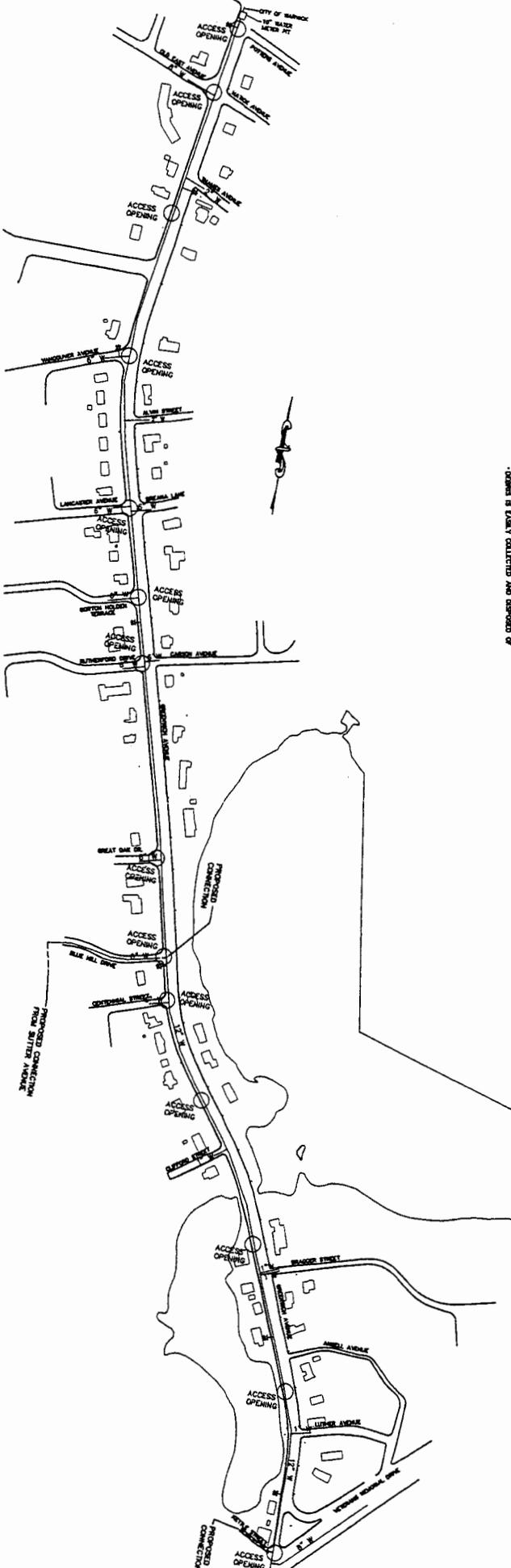
STEP 2
WALL CLEANING
- HIGH PRESSURE AIR AND WATER
- WITH LAMB DEBRIS CAN BE REMOVED
- DEBRIS IS FLUSHY COLLECTED AND DEPOSED OF



STEP 2
WALL CLEANING



STEP 3
CONNECT THE LINE




JAMES J. GEREMIA & ASSOCIATES, INC.
CONSULTANTS, ENGINEERS, ARCHITECTS, LANDSCAPERS
275 N. Dulles Road Suite 201 Potomac, MD 20854
Phone: 410-281-1200 Fax: 410-281-1215

**KENT COUNTY WATER AUTHORITY
PROPOSAL FOR
WATER SYSTEM CLEANING AND LINING**

EXHIBIT J

April 29, 2005

CLEANING & LINING
RFP Opening April 7, 2005 - 10:00 a.m.

Company	Copies Received	Amount Not to Exceed
James J. Geremia & Associates, Inc.	8	\$14,198.00
Comprehensive Environmental, Inc.	8	\$31,156.00
Pare Engineering Corporation	8	\$39,572.00
C & E Engineering	8	\$28,857.00