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HARRIS COUNTY WATER CONTROL
AND IMPROVEMENT DISTRICT NO. 132

30 July 2009

STATE OF TEXAS §
COUNTY OF HARRIS §

The Board of Directors of Harris County Water Control and Improvement District No. 132 met in special session at the designated meeting place of the Board, the Harris County W.C.I.D. No. 132 Water Plant, 4107 Evening Trail, Spring, Texas 77388, on the 30th day of July 2009, at 6:00 p.m. The roll was called of the duly constituted officers and members of the Board, to-wit:

Thomas Mancini	President
T. Gary Toll	Vice President
William R. Papp	Secretary
Robert "Bob" Daniel	Assistant Secretary

All members of the Board were present, thus constituting a quorum. The meeting was called to order at 6:00 p.m. by President Mancini, who announced that the Board would then adjourn to reconvene at 18190 Mantana, Spring, Texas for the quarterly Joint Facilities meeting with Cypresswood Utility District ("CUD.")

Present at the Mantana meeting were Dennis M. Reilly, Edgar L. Boran, George Merkt, Loy D. Easter, and Darren Segers, CUD board members; Jim Ainsworth of A & S Engineers, Inc. ("A&S;") Jane Miller of Allen Boone Humphries Robinson LLP ("ABHR;") and Sherry Allard, the District's Recording Secretary ("Recording Secretary.")

DISCUSS BIDS AND AWARD CONTRACT FOR CHLORAMINE SYSTEM

The president of CUD recognized Mr. Ainsworth to review with the Board the bid tabulation for the Chloramine treatment system for the two (2) districts. Dir. Mancini questioned item 11 on the bid tab by Gemini Contracting Services, Inc. as an obvious error. Mr. Reilly stated that there were mathematical errors, but the CUD engineer's recommendation said that it didn't affect the bidding order. Dir. Mancini then asked about the certain alternate bids, to which Mr. Reilly stated that previously the North Harris County Regional Water Authority ("Authority") was requiring some items that they no longer require. Some of these may be undertaken as an after market add-on, it was noted.

Mr. Ainsworth reported that he had reviewed the five (5) respective contractor bids for the Chloramines Conversion Project, opened on July 21, 2009 at 2:00, and found all bidders to be reputable. He was thus able to recommend awarding the contract to the low bidder, Nunn Constructors, LLC, for its base amount of \$418,100 and \$41,775 for alternate-add items. Mr. Ainsworth stated that the project would take about 90 days for substantial completion and perhaps 120 days to complete. Both boards discussed the fact that the Authority deadline would not be met. After review and based upon the recommendation of CUD's engineer, Dir. Papp motioned to award

the Chloramine Conversion Project to low bidder Nunn. Dir. Mancini seconded the motion, which garnered unanimous support from the Board. The two boards concur that the contract award should go to the next-low bidder if Nunn is unable to meet the requisite payment and performance bonds. Mr. Ainsworth expects the contract to be signed at the CUD's next meeting and that he may be able to give Notice to Proceed by Sept. 7, 2009. Inspection will be conducted periodically, and the contractor will notify Ainsworth when they are on site, he stated.

SUPPLEMENTAL LETTER AGREEMENT

The CUD board stated that it had executed the supplemental letter agreement and forwarded it to the District's Attorney Ms. Parker for review and the Board's execution.

DISCUSS WATER CONSERVATION PLAN

Dir. Papp informed the directors of CUD that the District has on its agenda this evening to amend the rate order. The intent is to conserve water for its most essential usages during the driest months, adding that the only lawn watering would be done by hand during the day. Dir. Papp stated that the Board wished to make the action effective August 1, 2009, and remain in effect each year from May through the end of October. He discussed the mandate by Texas Commission on Environmental Quality ("TCEQ") to not water hard surfaces. This would require the District to amend the rate order further, for irrigation only. The rule does not include car washing, he noted.

EMERGENCY PREPAREDNESS PLAN

Dir. Papp discussed briefly with the boards the actions taken by the District in order to comply with the requirement for MUDs to file an Emergency Preparedness Plan. There was no action taken.

DISCUSS TAKING ACTION ON TREE REMOVAL AT CUD GENERATOR SITE

Dir. Mancini asked the CUD board to discuss the necessity of tree removal at the generator site. Mr. Reilly stated that he anticipates removing five (5) trees ultimately. Dir. Segers added that CUD is now awaiting a proposal to remove the trees.

OTHER ITEMS RELATED TO JOINT MAINTENANCE FACILITIES

Dir. Papp informed the CUD board that the District is going forward with conversion from diesel to combined diesel/natural gas fuel at the District's lift station. Dir. Papp stated that the District is considering contracting with a diesel supplier for the upcoming storm season.

Mr. Reilly informed the Board that the elevated storage tank has begun to corrode and needs to be repainted. He estimated a cost of \$200,000 to repair and repaint. Dir. Papp mentioned that the cathodic protection system should be turned off prior to the painting. Dir. Mancini asked whether there was a problem with the internal walls of the tank, or whether it was just an aesthetic issue. Mr. Reilly felt the problem was external only. The CUD board discussed the possibility of taking down

the elevated storage tank and replacing it with a ground storage tank.

THE PRESIDENT ASKED FOR A MOTION TO ADJOURN THE MANTANA SITE and reconvene at the District's meeting place, to complete the other business on the District's agenda. Dir. Papp's motion, seconded by Dir. Toll, to adjourn the Mantana meeting at 6:55 p.m., carried by common consent. The Board reconvened at the 4107 Evening Trail site at 7:10 p.m.

Present at that meeting were Carol Fraser, landscapist, and Kevin Topek of Permaculture Design.

The meeting began in the walking garden, where Mr. Topek discussed the existing pathways and offered alternatives that would be more permeable for water absorption into the ground. Ms. Fraser had asked Mr. Topek to come and make recommendations to the Board at the time when it is about to demolish the current garden amenities in favor of the more water-conservation oriented and educational garden it envisions (second week of August.) Mr. Topek stated that friction is the key to holding the path together.

Mr. Topek stated that the District is currently using the cheapest system, decomposed crushed granite. He then described a number of alternatives for walking paths. 1) He informed the Board that the most affordable, permeable system requires excavating 3 to 4" down, do no tamping, applying geo-textile fabric to prevent weeds, followed by putting down gravel, then placing pavers or flagstone (manufactured flagstone is preferable) as the final layer. 2) Permeable concrete, while very expensive, works well, and he recommended Barzizzi as the installer for such system. 3) Otherwise, interlocking pavers are a good choice. 4) A wheelchair, stroller or high heel-friendly path requires a flat surface, like concrete, he stated. 5) Urbanite is a new system using crushed roadway waste as a base, he added. Vacuum breakers prevent back-flow. 6) The newest system contains ground glass and resin (super glue) but has not proven itself yet, Mr. Topek stated.

Mr. Topek cited several mistakes as causes for the garden path's current status. He stated that the base of the paths was not packed down. He noted that the edging used was malleable, as opposed to a strong metal edge. Also the shape of the pavers was wrong; squares and rectangles do the best job, he stated.

Dir. Mancini wanted to know the type of path that would be most likely to be used by residents visiting the garden. Mr. Topek stated that the best system allows water to return to the ground, where trees can absorb it. The cheapest and most efficient is the #1 pathway cited above. The cost of an average driveway is \$13,000-15,000 and would cost an additional 50% top build up the base, he added.

Mr. Topek recommended using the #1 path material for the majority of the garden path, for its easy technology and cost. Perhaps use #3 for the driveway area, he stated. The District might want to use interlocking pavers at the demonstration table, Mr. Topek added. Use of permeable concrete (\$12/sf) could be undertaken at the bench site, he stated, and the pathway should be vacuumed annually to clear debris.

Mr. Topek estimated the cost of all the walkways at \$20,000, adding that the geo-textile fabric is sized 50' x 3' x 100,' the metal edging costs \$20 per 10 feet, pins cost \$50 per box and the entire project should use 30 to 50 boxes. Paths of pavers are dual stacked and should be 50" wide. The major walkways should be 48-50" wide, he said. And the smaller paths will be put in later, Ms. Fraser noted.

AMEND RATE ORDER

The President asked the Board to review the changes it is considering making in the Rate Order. After discussion, upon motion duly made and seconded by Dirs. Toll and Papp, respectively, the Board voted unanimously to approve amending the Rate Order to allow only hand-held lawn watering during the driest months of the year.

AWARD CONTRACT FOR GENERATOR AT LIFT STATION

The Board then reviewed the proposals for the generator at the lift station. Upon motion duly made by Dir. Toll, seconded by Dir. Daniel, and unanimously carried, the Board awarded the contract without the two (2) addenda to _____.

LAPTOP COMPUTER PURCHASE

After review, **Dir. Papp's motion, seconded by Dir. Toll, to purchase a laptop computer and spend no more than \$1500, received unanimous consent by the Board.**

THERE BEING NO FURTHER DISTRICT BUSINESS TO CONDUCT, Dir. Papp motioned for adjournment at 8:45 p.m. Dir. Daniel seconded the motion, which received the Board's unanimous consent.

PASSED AND APPROVED

Date August 17, 2009

Bill Papp
Secretary of the Board of Directors