**BROWARD COUNTY**
**F L O R I D A**

Public Works Department • Water and Wastewater Services
**WATER AND WASTEWATER ENGINEERING DIVISION**
2555 West Copans Road • Pompano Beach, Florida 33069 • 954-831-0745 • FAX 954-831-0798/0925

September 21, 2009                                        via e-mail to:  phollihan@craventhompson.com

Ms. Paula H. Hollihan, P.E., Senior Engineer
Craven Thompson & Associates, Inc.
3563 N.W. 53rd Street
Fort Lauderdale, Florida 33309-6311

Re:     ***POTABLE WATER & WASTEWATER TREATMENT AVAILABILITY***
        ***"Main Street at Coconut Creek" DRI***
        ***CT&A Project:  08-0049***

Dear Ms. Hollihan:

Reference is made to your letter dated September 15, 2009 regarding the ability of Broward County Water & Wastewater Services (BCWWS) to provide potable water and wastewater treatment services to a proposed Development of Regional Impact (DRI) located south of Wiles Road, west of Lyons Road, north of Sample Road, and east of State Road 7 in the City of Coconut Creek.  The development is projected to have an average daily demand of 1.2249 million gallons per day (MGD) of potable water, and generate approximately 1.2050 MGD of wastewater flow.

Broward County's 2A Water Treatment Plant (2AWTP) and supporting 2A and North Regional Wellfields provide potable water for the City of Coconut Creek and surrounding communities.  The level of service standard for wellfields and water treatment plants is maximum day flow.  As of May 11, 2009, the two-year maximum day flow of the 2AWTP is 17.88 MGD and committed capacity maximum day flow of 0.51 MD, for a total of 18.39 MGD.

The 2AWTP receives its raw water supply from the 2A and North Regional Wellfields whose source is the Biscayne Aquifer.  The wellfield has a Consumptive Use Permit (CUP) from the South Florida Water Management District (SFWMD) that was issued on March 13, 2008 and will expire on March 13, 2028.  The CUP allows for an annual average withdrawal of 19.36 MGD (after 0.54 MGD reduction reserved for Deerfield Beach) until April 1, 2013, and 16.91 MGD (after 0.54 reduction for Deerfield Beach) after that, and requires construction of a Florida Aquifer wellfield by April, 2013 to provide for flows above 16.91 MGD.  Even though the level of service standard for wellfields is maximum day flow, the CUP does not contain maximum day withdrawal values.  However, the CUP average withdrawals can be translated to maximum day equivalents, which are 26.52 and 23.17 respectively, and are based on maximum day to average day ratio of 1.37 that is published in our 10-Year Water Supply Plan.  Therefore, until the year 2013, the 2A and North Regional Wellfields have an available capacity of 7.29 MGD (26.52 – 19.23) for future projects.

The 2AWTP's permitted capacity is 30.00 MG.  Therefore the plant has an available capacity of 10.77 MGD (30.00 – 19.23) for future projects.
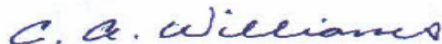
Since wellfield available capacity is less than treatment plant capacity, our ability to provide service to your proposed DRI is limited to our wellfield available capacity of 7.29 MGD.

Broward County plant to construct a 6.7 MGD maximum day rated Floridan Wellfield and associated treatment plant to provide for our needs beyond 2013, which includes 1.1 MGD to accommodate Land Use Plan Amendments and zoning changes.  A $40+ million dollar project has been budgeted to accomplish this.

Broward County's North Regional Wastewater Treatment Plant (NRWWTP) provides wastewater treatment for the City of Coconut Creek.  The level of service standard for the NRWWTP is average day flow.  As of May 11, 2009, the two-year average day flow for the NRWWTP is 75.38 MGD, with prior commitments of 1.66 MGD, for a total of 77.04 MGD.  Current permitted capacity of the NRWWTP is 84.00 MGD.  We are awaiting administrative approval of recently completed expansion to 100.00 MGD capacity, which projections indicate will be sufficient beyond 2020.

I trust this information will be of assistance to you.  If you have any questions, do not hesitate to contact me at 954.831.0926, fax 954.831.0925.

Sincerely,

C. A. Williams
Records Supervisor
chwilliams@broward.org

CAW
Admin:H:/Chet's Data/MS Word/Correspondence/Main Street at Coconut Creekl.pdf
cc:     Correspondence – Land Use Plan Amendments