QUESTION 29 – ENERGY

See State Comprehensive Plan (Chapter 187, F.S.)

GOAL (11); POLICY (4)
GOAL (12); POLICIES (1),(5),(6)

A. Provide a projection of the average daily energy demands at the end of each development phase for each of the following: electrical power, gas, oil, coal, etc. For electrical power, also provide the peak hour demand at the end of each phase.

Energy for the proposed development is to be provided through electric service. Projected operating demand (peak) and operating demand (average daily) are summarized in Table 29.1, Electrical Capacity Demand Estimates. The project will be constructed in a single phase and will have an average daily demand of 28,950 kilowatts (KW).

Table 29.1
Electrical Capacity Demand Estimates

Use	Units	Operating Demand (Peak Hour)	Operation Demand (Average Daily)
Existing			
Vacant	0	0	0
TOTALS	***0***	***0***	***0***
Proposed			
Retail	1,625,000 GSF	11,700 KW **	9,750 KW *
Office	525,000 GSF	5,040 KW **	4,200 KW *
Multi-Family	3,750 units	18,000 KW **	15,000 KW *
TOTALS	--------	***34,740 KW *****	***28,950 KW ****

* Based on generation rates per Florida Power and Light Company, 12/7/05:
- Retail = 6 Watts per square foot
- Office = 8 Watts per square foot
- Multi-family = 4 Kilowatts per unit

** Based upon a peaking factor of 1.2.

B. If there is to be an on-site electrical generating facility (post-construction) describe its proposed capacity and use.

There is to be no on-site electrical generating facility, other than emergency power. Emergency power will be provided by means of stand-by generators.

C. If energy (electrical power, natural gas, etc.)is to be obtained from an off-site source, attach a letter from the firms or agencies providing service outlining:

1. the projected excess capacities of the facilities and transmission line to which connection will be made at present and for each phase through completion of the project,

2. any other commitments that have been made for this excess capacity,

3. a statement of the supplier's ability to provide service at all times during and after development.(The supplier must be provided with demand information in (A)above.)

See <u>Attachment 29-1: Energy Verification Letter</u>.

D. Describe any energy conservation methods or devices incorporated into the plan of development. What considerations relative to energy conservation will be incorporated into the site planning, landscape, and building design, and equipment and lighting selection for this project?

The following energy conservation elements may, where feasible, be incorporated in site planning, building design, and equipment selection:

Additionally, all building design and construction will meet applicable requirements of the Florida Building Code, latest edition.

- **Integrated landscaping along streets, buildings and parking areas to reduce heat gain from paved surfaces.**

- **High efficiency parking lot lights with photocells and automatic timers to minimize unnecessary parking lot lighting energy usage.**

ATTACHMENT 29-1
ENERGY VERIFICATION LETTER

April 2, 2009

Florida Power & Light Company Service Planner
Wingate Service Center
3020 NW 19th Street
Fort Lauderdale, FL 33311

RE: MAIN STREET AT COCONUT CREEK DRI
CT&A PROJECT NO. 08-0049

To Whom It May Concern:

We are in the process of preparing an application for a Development of Regional Impact (DRI) for a project covering approximately 158 acres in the City of Coconut Creek, Florida. In connection with this application, we need to answer some specific questions concerning electrical energy availability and demand rates. In that regard, we are enclosing herewith a copy of question 29 – Energy, which we will need to answer. Specifically, we would like to request your help with items A & C. Our demand rates shown for item A are from a previous project in 2005 and we ask that you confirm these rates still apply today.

The following is the proposed breakdown of the project use:

Retail	-	1,625,000 Sq. ft.
Office	-	525,000 Sq. ft.
Multi-Family	-	3,750 Units

A copy of a location map for the project as well as a copy of the survey is attached herewith for your reference.

If in reviewing any of the above, you have any questions and/or comments, please contact me directly to discus them.

Very truly yours,

CRAVEN THOMPSON & ASSOCIATES, INC.

PAULA H. HOLLIHAN, P.E.
Senior Engineer

PHH/mrn

Attachment

cc: Matt Novack

CRAVEN THOMPSON & ASSOCIATES INC.

Engineers
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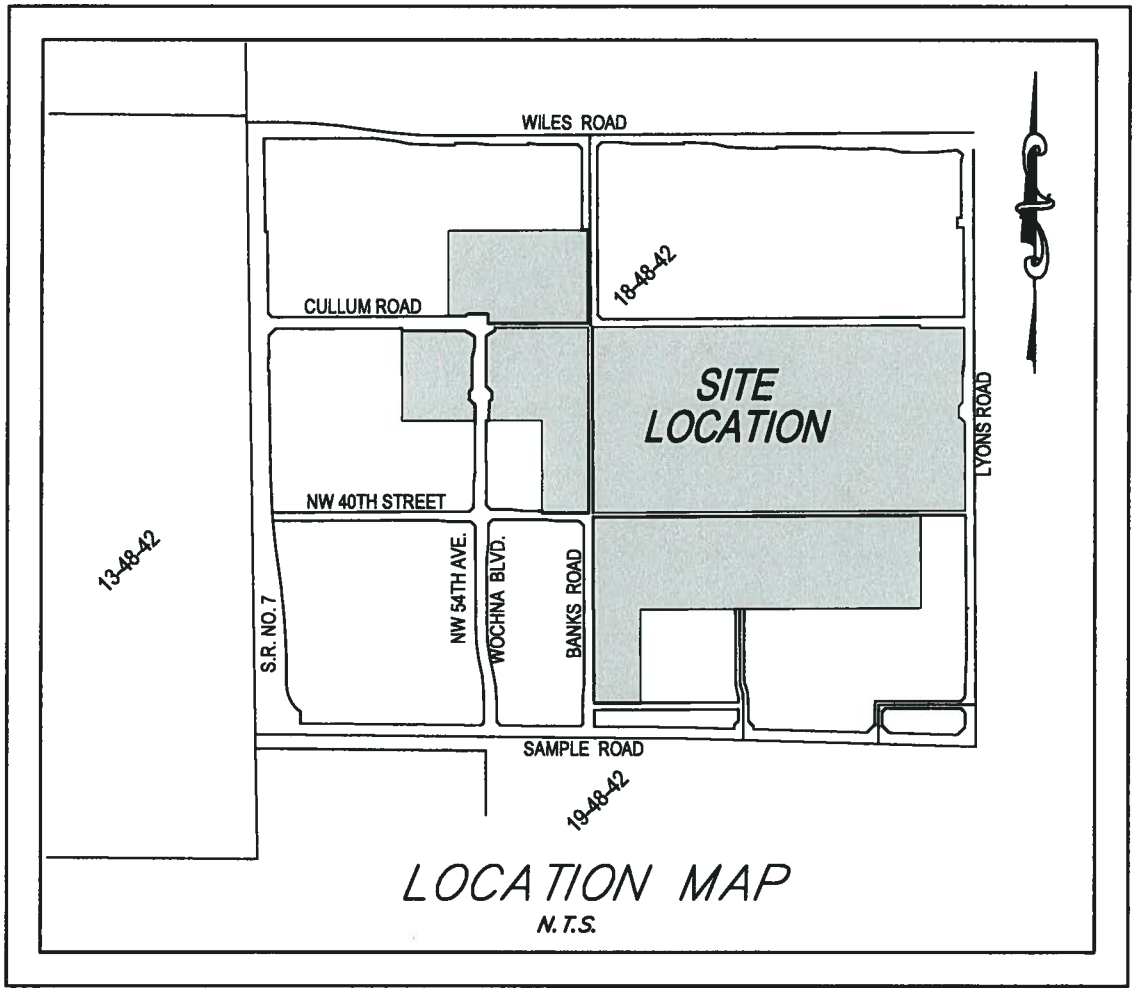

LOCATION MAP

N.T.S.