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DIRECT TESTIMONY OF JOHN BROCK
BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION
ON BEHALF OF
THE CITY OF LONGWOOD
DOCKETS NO. 97-1638-SU

DOCUMENT NUMBER-DATE
13477 DEC-1 88
FPSC-REC'D BY REPORTING

1 **Q. WHAT IS YOUR NAME AND BUSINESS ADDRESS?**

2 A. My name is John Brock and my business address is 175 West Warren Avenue, Longwood, Florida
3 32750.

4 **Q. BY WHOM ARE YOU EMPLOYED AND WHAT IS YOUR POSITION?**

5 A. I am employed by the City of Longwood as the Director of Community Services Department
6 which includes the planning division, the engineering division and recreational coordinator.

7 **Q. HOW LONG HAVE YOU BEEN AN EMPLOYEE OF THE CITY OF LONGWOOD?**

8 A. Five (5) year as of January 10, 1999.

9 **Q. WOULD YOU PROVIDE US WITH THE INFORMATION CONCERNING YOUR**
10 **EDUCATIONAL BACKGROUND?**

11 A. I have a Bachelor of Science Degree from the University of Chattanooga, Tennessee now the
12 University of Tennessee at Chattanooga. I have a Master of Science Degree from Florida State
13 University in Urban and Regional Planning.

14 **Q. AS THE DIRECTOR OF COMMUNITY SERVICES DEPARTMENT (WHICH**
15 **INCLUDES THE PLANNING DEPARTMENT OF THE CITY OF LONGWOOD), DOES THE**
16 **PLANNING DEPARTMENT OVERSEE THE PREPARATION, MAINTENANCE AND FILING**
17 **OF THE COMPREHENSIVE PLAN OF THE CITY OF LONGWOOD, FLORIDA?**

18 A. Yes.

19 **Q. DOES THE COMPREHENSIVE PLAN OF THE CITY OF LONGWOOD INCLUDE A**
20 **PUBLIC FACILITIES AND SERVICES ELEMENT?**

21 A. Yes. Section VI of the Comprehensive Plan contains public facilities and services elements which
22 includes the providing of sanitary sewer service within the boundaries of the City of Longwood, Florida
23 and would include the disputed area which is subject to the application by Florida Water Services herein.
24 A copy of Section VI Public Facilities and Services Element of the Longwood Comprehensive Plan is
25 attached hereto as Composite Exhibit (____) (JB-1).

26 **Q. DOES THE LONGWOOD COMPREHENSIVE PLAN AND PARTICULARLY THE**
27 **PUBLIC FACILITIES AND SERVICES ELEMENT IMPLEMENT THE COMPREHENSIVE**
28 **MASTER WASTEWATER COLLECTION PLAN OF THE CITY OF LONGWOOD DATED**

1 **APRIL 1988 AND REVISED APRIL 1989?**

2 A. Yes.

3 **Q. IS THE AREA WHICH FLORIDA WATER SERVICES IS SEEKING TO EXPAND ITS**
4 **SERVICE PART OF THE CITY OF LONGWOOD SEWER SERVICE AREA?**

5 A. Yes. Exhibit 1 to the Comprehensive Master Wastewater Collection Plan sets forth the City of
6 Longwood sewer service area which does include the disputed area herein.

7 **Q. IS THE CITY OF LONGWOOD GOING FORWARD WITH THE NECESSARY STEPS**
8 **TO PROVIDE SEWER SERVICES TO THE DISPUTED AREA?**

9 A. Yes. The expansion of sewer service to the disputed area is part of the City of Longwood's five
10 (5) year capital improvement plan. The engineering of the project is budgeted for the 1998 - 1999 fiscal
11 year and the construction of the expansion of the facilities is budgeted for the 1999 - 2000 fiscal year.
12 However, the City of Longwood is considering actually completing the expansion of the sewer service
13 during the year 1999 subject to the denial of the application to Florida Water Services Corporation.

14 **Q. IS IT IN THE PUBLIC INTEREST FOR THE COMMISSION TO DENY FLORIDA**
15 **WATER'S APPLICATION AS REQUESTED IN (BPA-1)?**

16 A. Yes.

17 **Q. DO YOU HAVE ANY ADDITIONAL COMMENTS AT THIS TIME?**

18 A. No.

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SECTION VI

PUBLIC FACILITIES AND SERVICES ELEMENT

GOAL

The goal of the Public Facilities and Services Element is to establish standards and actions which will ensure that sanitary sewer, solid waste, drainage, and potable water facilities are available to all customers served by these systems at levels of service which are established within this element. [9J-5.011(2)(a)]

OBJECTIVES AND POLICIES

The following objectives and policies provide a general framework for more specific proposals and recommendations.

Objective I. Beginning with the 1991-92 fiscal year, the City of Longwood will establish, as a part of the annual budgeting process, review of capital needs that have been identified for sanitary sewer, solid waste, drainage, and potable water system facilities and provide funding to correct existing facility deficiencies. [9J-5.011(2)(b)1]

Policy A. Existing deficiencies will be corrected by undertaking the following projects:

1. SANITARY SEWER
 - a. Replacement of valves and meters.
(Etchberger Study, 1988)
 - b. Replace/upgrade lines. (Etchberger Study, 1988)

- c. Rehabilitation of sewer collection system such as grouping of sewer lines, slip-lining sewers, line replacements and elimination of inflow process. (Etchberger Study, 1988)

2. **POTABLE WATER**

- a. Install an additional 1700 GPM well at Plant #2.
- b. Upgrade well #4 (at Plant #2) from 1700 GPM to 2800 GPM.
- c. Install a new high service 2250 GPM pump at Plant #2.

3. **SOLID WASTE**

- a. (No existing deficiencies)

4. **DRAINAGE**

- a. Implement the drainage improvements identified in Table VI-14 of the Public Services and Facilities Background Data.

5. **FIRE PROTECTION**

- a. Carry out renovations to Fire Station #15.

6. **POLICE PROTECTION**

- a. (No existing deficiencies).

Objective II. The City of Longwood Land Development Code, which will be revised by April, 1992 shall include policies directed toward the extension of, or increase in capacity of, facilities to meet future needs. [9J-5.011(2)(b)2]

Policy A. The Land Development Code shall contain policies that address the following facility expansion and capacity issues: [9J-5.011(2)(c)1]

1. Increase in the capacity of public facilities shall only occur if existing capacity is exhausted and if the new capital investment necessary to accommodate the increase is paid by the developer.
2. The cost of extension of public facilities to serve new developments shall be borne by the developer.

Objective III. Beginning with the fiscal year 1992-93 City budget through FY 1995-1996, the City of Longwood shall include projects in the Capital Improvements Element which are directed toward the expansion of facilities. [9J-5.011(2)(b)2]

Policy A. Future needs will be addressed by undertaking the following projects: [9J-5.011(2)(c)1]

Exhibit (JB-1) 3 of 13

1. **SANITARY SEWER**

- a. Implementation of Projects 2-4, as identified in the Comprehensive Master Waste Water Collection Plan conducted by Lochrane Engineering Inc., April 1988, assuming revenues are available and projects are cost feasible with short repayment periods.

2. **POTABLE WATER**

- a. Install a new 500,000 gallon storage tank with a 2250 GPM high capacity service pump by 1995.
- b. Conduct a greywater reuse feasibility study to determine the costs and benefits of reusing treated wastewater to conserve potable water resources.

3. **SOLID WASTE**

- a. (No improvements anticipated.)

4. **DRAINAGE**

- a. (No improvements anticipated.)

5. **FIRE PROTECTION**

- a. By 1996, increase shift combat personnel by two (with a concomitant increase of two administrative staff for each shift combat staff).

6. POLICE PROTECTION

- a. By 1996, increase sworn officers by eight.

Policy B. Projects shall be undertaken in accordance with the Capital Improvements Schedule as provided in the Comprehensive Plan. [9J-5.011(2)(c)1]

Objective IV. Beginning with the fiscal year 1996-97 through fiscal year 2004-05, the City of Longwood shall include projects in the Capital Improvements Element which are directed toward the expansion of increase in capacity of facilities. [9J-5.011(2)(b)3]

Policy A. Long term future needs will be addressed by undertaking the following projects:

1. Sanitary Sewer

- a. Implementation of Projects 5-10 as identified in the comprehensive Master Collection Plan conducted by Lochrane Engineering, Inc., April, 1988, assuming revenues are available and projects are cost feasible with short repayment periods.

2. Potable Water

(No improvements anticipated.)

3. Solid Waste

(No improvements anticipated.)

4. Drainage

(No improvements anticipated.)

5. Fire Protection

a. By 2005, increase shift combat personnel by one.

6. Police Protection

a. Add three additional motorcycle units (based on LOS indicators).

b. By 2005, increase sworn officers by sixteen.

Objective V. Beginning in 1991, the City of Longwood shall provide public facilities and services pursuant to and consistent with the minimum levels of service and schedule of needs as identified in the traffic circulation element, recreation and open space element, and public facilities and services element. The provision of these facilities and services shall be accomplished in a manner which protects investments in existing facilities and promotes orderly and compact growth.

[9J-5.011 (2) (b) 3]

Exhibit (JB-1) 6 of 13

Policy A.

The City of Longwood shall make decisions regarding the issuance of development orders and permits based upon coordination of the development requirements included in the Comprehensive Plan, Land Development Regulations and the availability of the necessary public facilities needed to support such development at the time. Development approvals shall not be granted unless adequate services are available or will be available, concurrent with a project's impacts, as indicated by the Levels of Service (L.O.S.) standards in the Comprehensive Plan (as may be amended from time to time).

The following levels of service standards are hereby adopted, and shall be used as the basis for determining the availability of facility capacity and the demand generated by a development. These service level standards shall apply to all new development and redevelopment proposals. Infill residential development within improved residential areas or subdivisions existing prior to the adoption of this comprehensive plan must ensure that post development stormwater runoff will not contribute pollutants which will cause the runoff from the entire improved area or subdivision to degrade receiving water bodies inconsistent with the water quality standards required by Ch. 17-302, F.A.C. Any exceptions, exceptions or thresholds in these citations, including project size thresholds, are not applicable.

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<u>FACILITY</u>	<u>LEVEL OF SERVICE STANDARD</u>
Sanitary Sewer	Residential: 300 GPD/d.u. Ret./Comm: 225 GPD/1000sf Wrhse/off. Showrm: 135 GPD/1000sf Average = 318 GPD/ERC
Potable Water	Residential: 330 GPD/d.u. Retail/Comm.: 250 GPD/1000s.f. Wrhse/Ofc. Shrm: 150 GPD/1000s.f.
Drainage Facilities	25 Year/6 Hour Storm PLUS, treatment of first inch of runoff on-site consistent with Ch 17- 25.025, <u>F.S.</u> to meet the water quality standards required by Ch. 17-302, <u>FS</u>
Parks	
Mini Park	0.20 Acres / 1,000 Pop.(min. size = 0.5 Acres)
Neighborhood Park	2.0 Acres/1,000 Pop.(min. size = 3.0 Acres)
Community Park	1.5 Acres/1,000 Pop.(min. size = 10.0 Acres)
Solid Waste	5 Lbs./Day/Dwelling Unit plus 3.25 lbs/1000 sq. ft. of comm./warehouse

FACILITY

LEVEL OF SERVICE STANDARD

<u>Roads*</u>	<u>1996 LOS</u>	<u>2005 LOS</u>
US 17/92	"D"	"D"
SR 434	"E"	"E"
CR 427	"E"	"E"
Dogtrack Road	"E"	"E"
Longwood Hills Road	"E"	"D"
Rangeline Road	"E"	"D"
Charlotte Street	"E"	"D"
Grant Street	"D"	"D"
Church Avenue	"D"	"D"

Residential/Local Level of Service "C"
Streets (Average of
L.O.S."C" at P.M. peak
hour for all residential
streets)

Fire Protection 1.8 combat personnel/1000
pop.
1 EMS unit/56,500 daily
veh. trips**
(Average response time =
4 minutes)

Police Protection 1 Officer/1900 Service
Calls
1 Mtrcycl Patrol/28,255
Daily Veh. Trips**
(Average response time =
6 minutes)

NOTES: LOS = level of service
GPD = gallons per day
ERC = equivalent residential connection
s.f. = square feet
d.u. = dwelling unit
* = Reference Traffic Circulation Element,
background section, for definitions of various
roadway levels of service.
** = as measured on SR 434, CR 427, US 17/92
and Longwood Hills Road

Policy B.

All improvements for replacement, expansion or increase in capacity shall be compatible with the adopted level of service standards for each facility.

1. Projects needed to correct existing deficiencies shall be given priority in the formulation and implementation of annual work programs of the City Building Department.
[9J-5.011(2)(c)1]

Policy C.

The City of Longwood shall plan and budget to provide for the construction, improvement or replacement of public facilities identified in the Public Facilities and Services element of the Plan in order to correct existing deficiencies by 1996 and to accommodate the needs of new growth on a continuing basis. [9J-5.011(2)(c)1]

Policy D.

All new residential subdivisions and all new commercial developments shall be required to connect to central sewer system.

Objective VI.

The City of Longwood shall, by 1996, institute additional measures to conserve potable water resources [9J-5.011(2)(b)4]

Policy A.

By April 1, 1992, include measures in the revised Land Development Code to encourage conservation of potable water resources such as requiring xeriscaping for a portion of required landscape, use of natural vegetation, and similar measures.
[9J-5.011(2)(c)3]

Policy B. By 1996, review and revise the City Building Code to include additional water conservation measures. [9J-5.011(2)(c)3]

Objective VII. For the 1991-92 fiscal year, the City of Longwood will correct identified stormwater drainage problems consistent with revenues available from a special ad valorem tax for this purpose and take other appropriate action in order to afford reasonable protection from flooding and to prevent degradation of quality of receiving waters. [9J-5.011(2)(b)5]

Policy A. As needed, dedicate a portion of ad valorem taxes to provide funding for correction of existing drainage problems.

Policy B. The Land Development Code will be revised to provide for the protection of natural drainage features and ensure that development utilizes stormwater management systems compatible with the City's drainage plan. [9J-5.011(2)(c)4]

1. New development is required to manage runoff from the 25 Year/6 Hour duration storm event plus the first inch of runoff on-site so that post-development runoff rates, volumes and pollutant loads do not exceed pre-development.
2. The City will include in the Land Development Code a provision that calls for the periodic inspection and maintenance of on-site systems as a condition for permit approval.

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3. The subdivision regulations will be amended to include standards for inclusion of recharge areas into open space preservation requirements.
4. Stormwater drainage regulations will be revised to require retention of stormwater runoff to protect surface water quality and to enhance groundwater recharge. Criteria for the protection of the functions of natural groundwater recharge areas include:
 - a) No net reduction in recharge volume in most effective recharge areas;
 - b) Preservation of at least 75% of the recharge capability of moderate and marginal recharge areas; and
 - c) No net reduction in the quality of recharge water.
5. Land Development Code requirements will be reviewed and revised to include protection of groundwater recharge areas.
6. As part of its land development code update, the City of Longwood will adopt appropriate impervious surface ratio standards and will generally require lower intensity/density development in most effective recharge areas.

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Policy C.

The City of Longwood will develop requirements to protect the functions of natural drainage features.
[9J-5.011(2)(c)4]

Land Development Regulations will be modified by the City of Longwood by April 1, 1992 to:

- a) Require specific setbacks from all natural drainage features within the City to protect the hydrological functioning of drainage features.
- b) Prevent the alteration of natural drainage features and buffer areas for paving, building, or other activities that would alter the natural hydroperiod of drainage systems.
- c) Provide for the coordination of City development approvals with appropriate state and federal government agencies responsible for environmental protection, such as FDER, SJRWMD and the U.S. Army Corps of Engineers.

EXHIBIT (JB-1)

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