

| 1 | Q. WHAT IS YOUR NAME AND BUSINESS ADDRESS? |
|----|--|
| 2 | A. My name is Richard P. Kornbluh and my business address is 180 East Warren Avenue, |
| 3 | Longwood, Florida 32750. |
| 4 | Q. BY WHOM ARE YOU EMPLOYED AND WHAT IS YOUR POSITION? |
| 5 | A. I am employed by the City of Longwood as Utilities Division Manager. |
| 6 | Q. HOW LONG HAVE YOU BEEN AN EMPLOYEE OF THE CITY OF LONGWOOD? |
| 7 | A. Approximately 20 years. |
| 8 | Q. HOW LONG HAVE YOUR BEEN EMPLOYED AS DIVISION MANAGER OF THE |
| 9 | CITY OF LONGWOOD? |
| 10 | A. Approximately four (4) years. |
| 11 | Q. WOULD YOU PROVIDE A BRIEF HISTORY OF YOUR TRAINING AND |
| 12 | EXPERIENCE IN THE WATER AND WASTEWATER INDUSTRY? |
| 13 | A. My training includes attendance at management courses offered by Michigan State University, |
| 14 | Seminole Community College and participation in numerous seminars sponsored by the American Water |
| 15 | Works Association. I have also attended and instructed various technical seminars and classes on the |
| 16 | subject of water and wastewater facility operation and management. |
| 17 | Q. ARE YOU A MEMBER OF ANY TRADE AND/OR PROFESSIONAL |
| 18 | ORGANIZATION? |
| 19 | A. Yes. I am a member of the American Water Works Association and Florida Water Pollution |
| 20 | Control Operators Association. |
| 21 | Q. HAVE YOU PREVIOUSLY TESTIFIED ON MATTERS RELATED TO |
| 22 | WASTEWATER? |
| 23 | A. Yes. |
| 24 | Q. WHY DOES THE CITY OF LONGWOOD OBJECT TO FLORIDA WATER'S FILING |
| 25 | OF THE TERRITORY AMENDMENT APPLICATION AT ISSUE IN THIS PROCEEDING? |
| 26 | A. The City of Longwood, through the Longwood City Commission, voted to object to the |
| 27 | application to expand the sewer service filed by Florida Water Services Corporation. |
| 28 | Q. IS THE TERRITORY WHICH IS SUBJECT TO THE APPLICATION OF FLORIDA |
| | |

`` k

WATER PART OF THE CITY OF LONGWOOD'S COMPREHENSIVE MASTER WASTEWATER COLLECTION PLAN?

3 Α. A Comprehensive Master Wastewater Collection Plan was prepared for the City of Yes. 4 Longwood by a Lochrane Engineering, Inc. Consulting Civil and Environmental Engineers, 201 South 5 Bumby Avenue, Orlando, Florida 32802 in April of 1988 and was revised in April of 1989. Exhibit 1 6 of the Comprehensive Master Wastewater Collection Plan delineates the City of Longwood sewer service 7 area. Included within that sewer service area is the area included in the application for expansion of 8 sewer service filed by Florida Water Services Corporation. The applicable portions of the Comprehensive 9 Master Wastewater Collection Plan is attached and marked for identification as Exhibit () (RPK-1).

Q. DOES THE COMPREHENSIVE MASTER WASTEWATER COLLECTION PLAN OF THE CITY OF LONGWOOD PROVIDE FOR THE EXPANSION OF SEWER SERVICE INTO THE AREA COVERED BY THE APPLICATION FOR EXPANSION OF SERVICES OF FLORIDA WATER SERVICES CORPORATION?

A. Yes. The sewer service area covered by the application of Florida Water Services Corporation
 is included in the Master Wastewater Collection Plan Project Number 17. The project description as well
 as an engineering plan is attached and marked for identification as Composite Exhibit (____) (RPK-2).
 Q. IS THE SEWAGE SERVICE AREA COVERED BY THE APPLICATION OF FLORIDA

18 WATER SERVICE CORPORATION INCLUDED IN THE SEWAGE SYSTEM AS SET19 FORTH IN THE CITY OF LONGWOOD COMPREHENSIVE PLAN?

20 A. Yes, it is attached and marked for identification as Exhibit (____) (RPK-3). The service areas 21 covered by other utilities or other service areas are shown on the legend. The balance of the areas 22 included within the city limits of Longwood are the Longwood city sewage system area as defined by the 23 Longwood City Comprehensive Plan. The area that is the subject to the application is highlighted in 24 yellow. Areas which have obtained service since the creation of this map are highlighted in orange. They 25 include the area at the Northwest corner of the service area presently serviced by Florida Water Services 26 Corporation, the entire area to the east of the area serviced by Florida Water Services Corporation and 27 includes the area previously serviced by Lyman High School which has been taken over by the City of 28 Longwood.

| 1 | Q. DID YOU PROVIDE ANY ASSISTANCE IN THE PREPARATION OF THE | | | | | |
|----|---|--|--|--|--|--|
| 2 | COMPREHENSIVE MASTER WASTEWATER COLLECTION PLAN? | | | | | |
| 3 | A. Yes. I provided technical assistance to Lochrane Engineering, Inc. in the preparation of the plan. | | | | | |
| 4 | Q. IS THE EXPANSION OF SEWER SERVICE INTO THE AREA WHICH IS THE | | | | | |
| 5 | SUBJECT OF THE APPLICATION OF FLORIDA WATER SERVICES CORPORATION A | | | | | |
| 6 | PART OF THE CITY OF LONGWOOD FIVE (5) YEAR CAPITAL IMPROVEMENT PLAN? | | | | | |
| 7 | A. Yes, it is attached and marked for identification as Exhibit () (RPK-4). The Engineering is | | | | | |
| 8 | budgeted for the fiscal year 1998 - 1999 and the construction phase is budgeted for the fiscal year 1999 - | | | | | |
| 9 | 2000. However, the City of Longwood is willing and able to move up the actual construction and | | | | | |
| 10 | completion of the sewer connection and service to the 1998 - 1999 fiscal year. | | | | | |
| 11 | Q. HAS THE CITY OF LONGWOOD FILED ITS APPLICATION FOR PIPELINE | | | | | |
| 12 | CROSSING UNDER THE CSX RAILROAD TRACK AT NORTH STREET WHICH WOULD | | | | | |
| 13 | BE REQUIRED FOR THE SUBJECT PROJECT? | | | | | |
| 14 | A. Yes. The application dated November 25, 1998 is attached and marked for identification as | | | | | |
| 15 | Exhibit () (RPK-5). | | | | | |
| 16 | Q. HAVE YOU TALKED WITH OFFICIALS WITH CSX CONCERNING THE | | | | | |
| 17 | PLACEMENT OF SEWER PIPES UNDER THE CSX RAILROAD TRACKS? | | | | | |
| 18 | A. Yes. I have spoken with officials of CSX Railroad and they have indicated that there should be | | | | | |
| 19 | no problem with approving an application to put the sewer pipes under the CSX railroad tracks. | | | | | |
| 20 | Q. DID THE CITY OF LONGWOOD PREPARE THE ENGINEERING NECESSARY FOR | | | | | |
| 21 | LOCATING THE SEWER PIPES UNDER THE CSX RAILROAD TRACK? | | | | | |
| 22 | A. Yes, it is attached and marked for identification as Composite Exhibit () (RPK-6). | | | | | |
| 23 | Q. HAVE YOU OBTAINED AN ESTIMATE OF THE APPROXIMATE COST TO | | | | | |
| 24 | INSTALL SEWER PIPES UNDER THE CSX RAILROAD TRACK? | | | | | |
| 25 | A. Yes. I have obtained an estimate of approximately \$10,000.00 to place the pipe under the CSX | | | | | |
| 26 | Railroad track. This is a relatively small portion of the overall cost of installing the infrastructure for | | | | | |
| 27 | service to the subject area. | | | | | |
| 28 | Q. HAVE YOU HAD PREVIOUS EXPERIENCE WITH APPLYING FOR AND | | | | | |

OBTAINING PERMISSION AND COMPLETING THE INSTALLATION OF UTILITIES UNDER CSX RAILROAD TRACKS?

.

3 A. Yes. We have previously applied for and received permission and installed utilities under CSX
4 railroad tracks in the City of Longwood.

Q. WHY DOES THE CITY OF LONGWOOD WISH TO PROVIDE SEWER SERVICE TO THE AREA WHICH IS SUBJECT TO THE APPLICATION OF FLORIDA WATER SERVICES CORPORATION?

8 There are many reasons for the City of Longwood's desire to expand it's service into the subject A. 9 area. First of all, the area is subject of the Comprehensive Master Wastewater Collection Plan as well 10 as the Comprehensive Plan of the City of Longwood. It is the City of Longwood's desire to expand its 11 service area wherever practical, particularly in commercial and industrial areas. The City of Longwood 12 believes that expanding its customer base will benefit existing as well as future customers. The subject 13 territory abuts the City of Longwood's existing service area along Highway 427 and North Street and the 14 City of Longwood has sufficient collection main approximately 500 feet from the subject territory. The 15 cost for the City of Longwood to provide service to the subject territory is comparable to the cost of 16 Florida Water Services Corporation. In approximately 1992, Southern States Utilities inquired with the 17 then acting City Administrator for the City of Longwood as to whether or not it may be possible for 18 Southern States Utilities (now Florida Water Services Corporation) to amend its certificated area to 19 include the disputed territory. At that time the acting City Administrator indicated that the City of 20 Longwood may in fact look favorably upon such an expansion since the City of Longwood did not plan 21 to expand its sewer service into that area for a few years. However, to the best of my knowledge, neither 22 Florida Water or Southern States ever applied to amend its certificated area until the pending application. 23 To my knowledge the City of Longwood never officially approved the expansion of the service by Florida 24 Water or Southern States Utilities and never heard anything further after the initial inquiry concerning 25 the possibility of expanding this sewer service by Southern States Utility. Over six (6) years has elapsed 26 and Florida Water Services Corporation has done absolutely nothing until now to go forward to seek 27 permission from the City of Longwood or the Public Service Commission to expand its territory. At this 28 point the City of Longwood is ready, willing and able and has made plans to expand its sewer into the

| 1 | disputed area. The properties in the disputed territory currently utilize individual septic systems for |
|----|---|
| 2 | wastewater treatment and disposal. The providing of central sewer service to the disputed territory |
| 3 | would be environmentally beneficial, particularly because there have been reports of some of these septic |
| 4 | systems in the area having failed. The City of Longwood can provide wastewater treatment service to |
| 5 | these properties just as quickly and economically as Florida Water Services, Inc. |
| 6 | Q. IS IT IN THE PUBLIC INTEREST FOR THE COMMISSION TO DENY FLORIDA |
| 7 | WATER'S APPLICATION AS REQUESTED IN EXHIBIT (BPA-1)? |
| 8 | A. Yes. |
| 9 | Q. DOES THIS CONCLUDE YOUR TESTIMONY? |
| 10 | A. Yes. |
| 11 | |
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COMPREHENSIVE MASTER WASTEWATER COLLECTION PLAN



PREPARED FOR

CITY OF LONGWOOD

PREPARED BY

LOCHRANE ENGINEERING, INC.

CONSULTING CIVIL • ENVIRONMENTAL ENGINEERS LAND SURVEYORS

> 201 South Bumby Avenue, Orlando, FL 32803 (407) 896-3317

APRIL 1988 REV. APRIL 1989 LEI #87186

A GIAN MONTH THE TELL



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Thomas G. Lochrane, P.E. President

Robert J. Lochrane, P.E. Exec. Vice President

Michael J. Henry, P.E. Sr. Vice President

LOCHRANE ENGINEERING, INC.

May 18, 1989

Mr. Donald Terry City Clerk City of Longwood 175 West Warren Avenue Longwood, Florida 32750

RE: <u>COMPREHENSIVE MASTER WASTEWATER COLLECTION PLAN/REVISED REPORT</u> <u>SUBMITTAL</u>

Dear Mr. Terry:

We are pleased to present the Revised Comprehensive Master Wastewater Collection Plan and Supplement for the City of Longwood. The report included herein has been revised from our original printing date of April 1988 to include the requirements of the Florida Department of Environmental Regulation for the loan program. The revised plan also includes new cost estimates based on all of the Florida Department of Environmental Regulation line items. The report included herein includes a summary of findings and recommendations in the beginning of the report, followed by sections 1 through 6 in the appendices. The separate Comprehensive Master Wastewater Collection Plan Supplement includes additional information required by the Florida Department of Environmental Regulation not discussed in the original report.

It has been our pleasure to work with the City on this project. We are extremely appreciative of the cooperation and assistance provided by yourself, all of your staff, and the City Commission. We very much look forward to working with the City of Longwood on future projects. Please do not hesitate to contact us if you have any questions regarding this revised report.

Sincerely,

LOCHRANE ENGINEERING, INC.

Jeffrey L. Herr, P.E. Project Manager Michael J. Henry, P.E. Senior Vice President

JLH/MJH/eq

Enclosure

cc: Fernand Tiblier 87186.02

CONSULTING CIVIL•ENVIRONMENTAL ENGINEERS/LAND SURVEYORS

201 South Bumby Ave., Orlando, FL 32803-6226, (407) 896-3317 Exhibit (RPK-1) - Face 2 DF 12

COMPREHENSIVE MASTER WASTEWATER COLLECTION PLAN

PREPARED FOR: CITY OF LONGWOOD PREPARED BY: LOCHRANE ENGINEERING, INC.

LEI #87186

APRIL, 1988

REVISED APRIL, 1989

Jeffrey L. Herr, P.E. Project Manager

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Michael J. Henry, P.E. Senior Vice President

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|-------------|--|
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CITY OF LONGWOOD

COMPREHENSIVE MASTER WASTEWATER COLLECTION PLAN SUMMARY OF FINDINGS AND RECOMMENDATIONS

1.0 OVERVIEW

The City of Longwood Sewer Service Area includes approximately 2100 acres or 60% of the City of Longwood. Only about 17% of the Sewer Service Area is presently served by the central sewer system. The 250,000 gallons per day (GPD) average daily flow (ADF) are discharged to two small wastewater treatment plants (WWTP), one on each of the north and south sides of the Sewer Service Area. Flows to these plants have reached their capacities, thus allowing for no additional connections to the central sewer system.

Due to the lack of capacity and the decision not to construct a new City WWTP, in September, 1987, the City entered into a capacity agreement with Seminole County. The agreement allowed for the City to purchase an initial 325,000 GPD of sewage capacity, plus an additional 275,000 GPD, if desired, by 1998. A master sewage lift station and force main were to be constructed to transmit the flow to the Seminole County Greenwood Lakes WWTP. Once the master lift station and force main were constructed, the two City WWTP's could be taken out of service.

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Based on the City of Longwood Comprehensive Plan prepared by Ivey, Bennett, Harris, and Walls, 1987, the City of Longwood is expected to grow from a population of 12,932 in 1986 to between 16,859 and 19,081 in 2005. This will require the construction of housing and associated commercial projects. commercial projects will These residential and be constructed on approximately 270 acres of vacant land within the City Sewer Service Area and an additional 239+ acres of vacant property directly adjacent. Growth will be dependent on adequate public services, including sewage capacity being readily available. The City also hopes to guide the revitalization of the historic/downtown area.

2.0 PURPOSE AND SCOPE

The purpose of the Comprehensive Master Wastewater Collection Plan is to analyze the capacity and infrastructure needs of the City, and to prepare a plan to implement the required improvements to satisfy these needs. The scope of the Plan includes preparing an overall Master Collection Plan to serve both existing and new development, the prioritization of individual construction projects, the preparation of budget cost estimates for each project, the investigation of financial alternatives, the preliminary evaluation of rates required to fund the projects, and the review of possible high strength wastewater users.

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Exhibit (RPK-1) Page 10 of 12

SECTION 1

INTRODUCTION

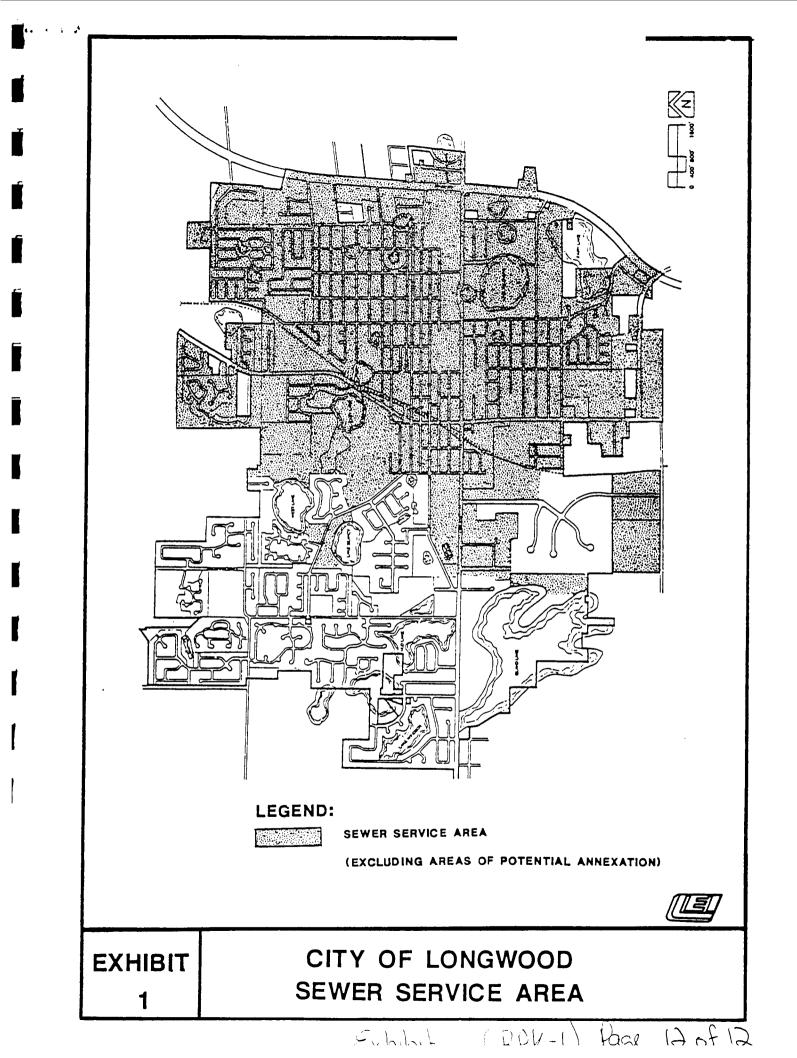
1.1 PRESENT WASTEWATER CONDITIONS

The City of Longwood is presently made up of approximately 3,500 acres of gross land area. Approximately 60% of this land area, or 2,100 acres, is located within the City of Longwood Sewer Service Area, which is illustrated on Exhibit 1 on the following page. Three private utilities provide sewer service to the remaining areas of the City.

Within the City of Longwood Sewer Service Area, the primary method for wastewater treatment is by septic tank and drainfield. Only a small percentage of the area is served by central sewage collection systems. Those areas that are served transmit approximately 250,000 gallons per day (GPD) of flow to two small wastewater treatment plants, one each on the north and south sides of the City. These treatment plants have reached their treatment capacity, and therefore can accept no additional sewage flows.

To provide some additional sewage capacity, the City has entered into a Capacity Agreement with Seminole County. The Agreement allows the City to purchase up to 600,000 GPD by 1998. When the master lift station and force main construction is completed in August, 1988, the two City wastewater treatment plants will be taken out of service, and all flow will be transmitted to Seminole County.

Exhibit (RPK-1) fage 11 of 12



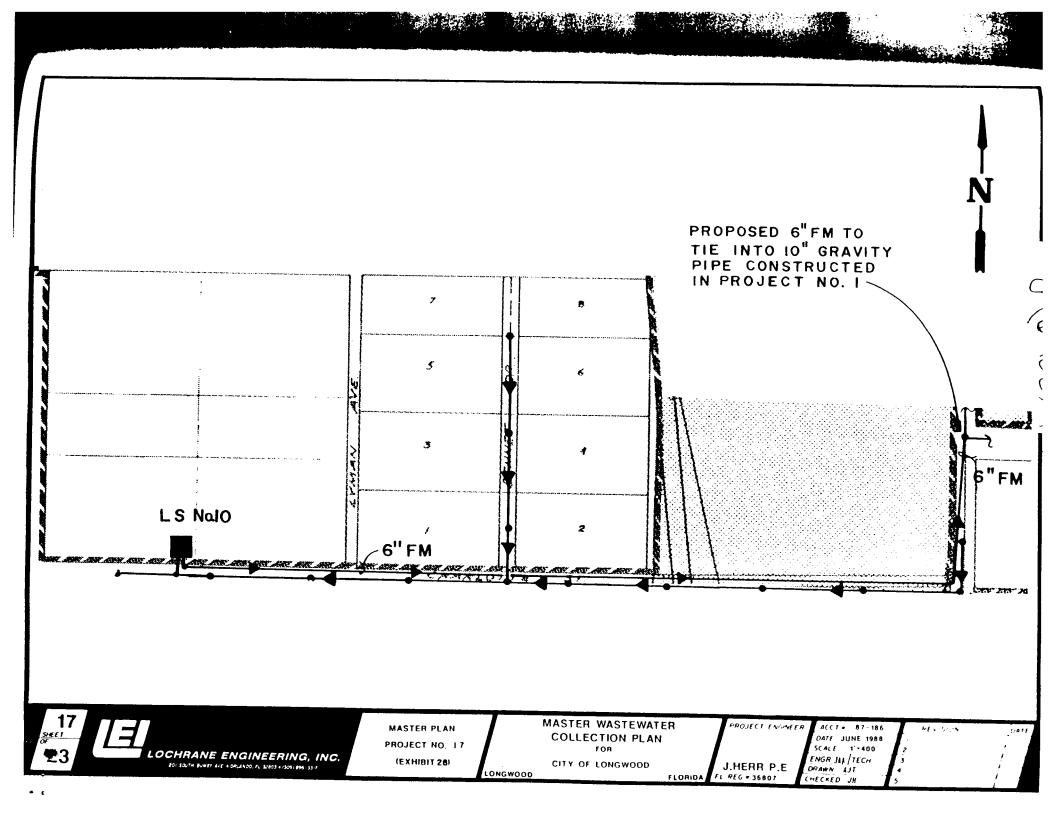
MASTER WASTEWATER COLLECTION PLAN

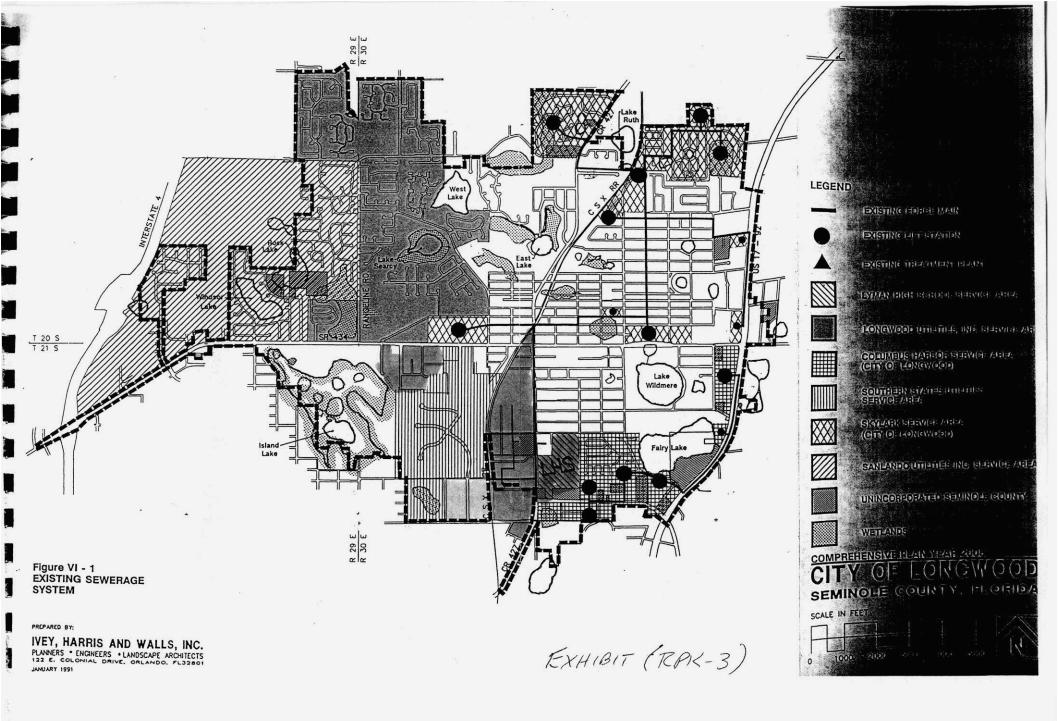
PROJECT NO. 17 DESCRIPTION

Project No. 17 includes the construction of 4,300 linear feet of 8-inch PVC gravity sewers (see Exhibit 28) along Bennett Drive and Charlotte Street. These sewers connect to a proposed duplex lift station (Lift Station No. 10).

Lift Station No. 10 has a design pumping rate of 455 gallons per minute. The wastewater is transmitted through 3,800 linear feet of 6-inch PVC force main. This force main terminates at an existing manhole (constructed in Project No. 1) on C.R. 427.

Fishihit (RPK=2) face lof 2





CITY OF LONGWOOD FIVE YEAR CAPITAL IMPROVEMENT PLAN SUMMARY

COMMUNITY SERVICES / WASTEWATER DIVISION

FUND: 401 DEPARTMENT: 4130 ACTIVITY: 536

| | | | Sche | Schedule of Planned C.I.P. Expenditures | | ires | |
|--|----------------------------------|-----------|-----------|---|-----------|-----------|---------------------|
| PROJECT | FUNDING SOURCE | 1999 | 2000 | 2001 | 2002 | 2003 | TOTAL |
| 6300 - IMPROVEMENTS (continued) | | | | | | | |
| Bennett Dr. sewer (and North St. industrial area) Phase I - Engineering Phase II - Construction To be designed and constructed by contract. | Water and Sewer Fund Revenues | \$20,000 | \$220,000 | | | | \$20,000 220,000 |
| Historic District sewer (Pine Ave., Bay Ave., Church Ave., Jessup Ave., Freeman St.) To be designed and constructed by contract. | | | | \$400,000 | | | 400,000 |
| S. Milwee St. sewer (commercial area bordered by South Milwee St., South Wilma St., and including Short Ave. and Park Ave.) To be designed and constructed by contract. | * | | | | \$275,000 | | 275,000 |
| Other commercial and industrial collection system projects / To be determined | " | | | | | \$275,000 | 275,000 |
| TOTAL COMMUNITY SERVICES / WASTEWATER | | \$433,900 | \$570,000 | \$400,000 | \$275,000 | \$275,000 | \$1,953,900 |

CSXT 7455 Rev. 1/1/97

| APPLICATION FOR | PIPELINE | CROSSING | UNDER/OVER | PROPERTIES | AND TR | ACK | 5 |
|-----------------|----------|----------|------------|------------|--------|-----|---|

· · · ·

| (For RR Use) Division | Subdivision | | Val Sec. (Map) |
|---|---------------------------------|--------------------------|------------------------------------|
| Location: Val. Sta. | Milepost | · | |
| Application and plans must be approv Original and one copy of both applic should be submitted to: CSX Trans | ation and drawing, along with a | a nonrefundable Applica | tion Fee in the amount of \$300.00 |
| 1 Reference/File Number: | | | |
| 2 Complete Legal Name of applic | ant: City of Longwood | | |
| Company Contact Name: Richa | rd Kornbluh | Title: | Utilities Manager |
| Telephone: (407) 831- | 6175 | Fax:(407) 263-2 | 390 |
| 3. Address: 180 E. Warren Av | enue City: L'or | | FL Zip: 32750 |
| 4. Type of business:Indivi | dual. Developer, X | Municipality, | |
| which incorporated:Florida), | | | |
| 5. Location: 48 feet | South (directic | n) from Railroad Milepos | at A779 |
| | | | |
| Valuation Station of Crossing if k | inown: Va | I. Map No. | |
| 6. Town: Longwood | County: Semi | nole Sta | te: Florida |
| 7. Angle of crossing: 90° | | | |
| 8. Temporary track support or ripra | pping required? Yes | No X (Descri | be and Detail on Drawing) |
| 9. Wires, poles, obstructions to be re | elocated? Yes No | X (Describe and C | etail on Drawing) |
| 10. Product to be conveyed <u>Sewa</u> | re Flammable? | Yes No X | Temperature |
| 11. Max. Working Pressure 30 | | | |
| 12. Location of shut-off valvesE | | | |
| 13. Number of manholes located on I | | | |
| 14. <u>PIPE SPECIFICATIONS</u> : | CARRIER PIPE: | | CASING PIPE: |
| Material | Ductile Iron | - | Steel Pipe |
| Material Specifications & Grade | ANSI/AWWA C15 | | Schedule XS |
| Minimum Yield Strength of Mater | rial PSI 42,000 PSI | | 35,000 PSI |
| Inside Diameter | 4.3" | <u></u> | 15.250" |
| Wall Thickness | .25" | | .375" |
| Outside Diameter | 4.80" | | 16" |
| Type of Seam | × None | | Spiral Weld |
| Kind of Joints | L'ocked Mechan | | Welded Butt Joint |
| Total Length Within Railroad Rig | | | 72' |
| Vents: Number 2 | | ght above ground | |
| Seals: Both ends Grout | One One | | |
| Bury: Base of rail to top of casing | | ry (Not beneath tracks) | 6! feet == inches |
| | feet, inches | | |
| CATHODIC PROTECTION: Ye | | Y | |
| PROTECTIVE COATING: Yes | | X Kind | |
| 15. Method of installation Jack & | | | |
| 16. If application is a revision to an e. | | ant number and data: | ······ |
| 17. If this a supplement to a master (| | | |
| | | | |
| 18. If Aegis member, work to be perf | | | |
| 19. Will pipe be located in limits of pu | (Way an arist) DOT (AAR | | (II yes, show hame |
| road number and width of Right-o | 1-way on print). DOI/AAR | Crossing 140 | |
| Proposal and construction must be in a | coordance with COVTA Saad | instions The American D | alway Engineering Association |
| Proposal and construction must be in a | | | |
| and any governing laws or regulations. Package are to be used as a guideling | | | |
| | | | , |
| 11/25/98 | R/ | CAL UTI | lities manager |
| 11/00110 | | | |

| Date | Signature & Title of Officer Making Application | | | | | | |
|------------------------|---|----------------------|---------|--------------|---------|----------|--|
| Please Type or Print:_ | Richard | Karablich | Utiliti | es Manager (| 407) | 263-2388 | |
| _ | Name | | Title | Tele | phone N | umber | |
| | | \mathcal{E}_{\vee} | hbit F | CPK-5 | Pag | klofl | |

