

LAW OFFICES

ROSE, SUNDBSTROM & BENTLEY

A PARTNERSHIP INCLUDING PROFESSIONAL ASSOCIATIONS

2548 BLAIRSTONE PINES DRIVE

TALLAHASSEE, FLORIDA 32301

(904) 877-6555

CHRIS H. BENTLEY, P.A.
JENNIFER S. BRUBAKER
F. MARSHALL DETERDING
BRIAN L. DOSTER
MATTHEW S. FRIEDMAN, P.A.
JOHN R. JENKINS, P.A.
STEVEN T. MINDLIN, P.A.
ROBERT M. C. ROSE
WILLIAM E. SUNDBSTROM, P.A.
DIANE D. TREMOR, P.A.
JOHN L. WHARTON

MAILING ADDRESS
POST OFFICE BOX 1507
TALLAHASSEE, FLORIDA 32302-1507
TELECOPIER (904) 866-4029

March 26, 1996

VIA HAND DELIVERY

Blanca S. Bayo, Director
Division of Records and Reporting
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

960380-WS

Re: Spruce Creek South Utilities, Inc.
Application for Amendment of Water and Wastewater Certificates
Our File No. 28039.04

511-W
467-S

Dear Ms. Bayo:

Attached hereto is the original and 15 copies of the Application for Amendment of Water and Wastewater Certificates in Marion County for Spruce Creek South Utilities, Inc.

Also attached is a check in the amount of \$2,000 for the filing fee.

Should you or any members of the Commission staff have any questions in this regard, please do not hesitate to contact me.

Check received with filing and forwarded to Fiscal for deposit. Fiscal to forward a copy of check to RAR with proof of deposit.

Sincerely,

maps to WAW

ROSE, SUNDBSTROM & BENTLEY

Initials of person who forwarded check:

del

F. Marshall Deterding

F. Marshall Deterding
For The Firm

Dictated by Mr. Deterding but signed in his absence to avoid delay in mailing.

FMD/lts
Enclosures
cc: Jay Thompson
Art Monnig

RECEIVED & FILED
EPSC BUREAU OF RECORDS

DOCUMENT NUMBER-DATE
03595 MAR 26 96
FPSC-RECORDS/REPORTING

LAW OFFICES
ROSE, SUNDBSTROM & BENTLEY
A PARTNERSHIP INCLUDING PROFESSIONAL ASSOCIATIONS
2548 BLAIRSTONE PINES DRIVE
TALLAHASSEE, FLORIDA 32301
(904) 877-6555

D278 MAR 26 1996
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CHRIS H. BENTLEY, PA
JENNIFER S. BRUBAKER
F. MARSHALL DETERDING
BRIAN L. DOSTER
MARTIN S. FRIEDMAN, PA
JOHN R. JENKINS, PA
STEVEN T. MANOLIN, PA
ROBERT M. C. ROSE
WILLIAM E. SUNDBSTROM, PA
DANE D. TREMPER, PA
JOHN L. WHARTON

MAILING ADDRESS
POST OFFICE BOX 1567
TALLAHASSEE, FLORIDA 32302-1567
TELECOPIER (904) 886-4029

March 26, 1996

VIA HAND DELIVERY

Blanca S. Bayo, Director
Division of Records and Reporting
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

941370-45

Re: Spruce Creek South Utilities, Inc.
Application for Amendment of Water and Wastewater Certificates
Our File No. 28039.04

Dear Ms. Bayo:


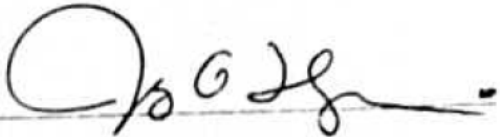
Attached hereto is the original and 15 copies of the Application for Amendment of Water and Wastewater Certificates in Marion County for Spruce Creek South Utilities, Inc.

Also attached is a check in the amount of \$2,000 for the filing fee.

Should you or any members of the Commission staff have any questions in this regard, please do not hesitate to contact me.

Sincerely,

ROSE, SUNDBSTROM & BENTLEY

SPRUCE CREEK SOUTH UTILITIES, INC.		1350
PH. 904-347-3700 17585 SE 102ND AVE. SUMMERFIELD, FL 34491		3/15/ 96 ⁶²⁻³⁹¹⁴ 831
PAY TO THE ORDER OF	FLORIDA PUBLIC SERVICE COMMISSION	\$ 2000.00
TWO THOUSAND AND 00/100 *****		DOLLARS
 citizens national bank OF LEESBURG ORANGE BLOSSOM GARDENS OFFICE LEESBURG, FLORIDA 34748		
FOR h2o&waste h2o service area extension		

LAW OFFICES
ROSE, SUNDSTROM & BENTLEY
A PARTNERSHIP INCLUDING PROFESSIONAL ASSOCIATIONS
2548 BLAIRSTONE PINES DRIVE
TALLAHASSEE, FLORIDA 32301
(904) 877-6555

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CHRIS H. BENTLEY PA
JENNIFER S. BRUBAKER
F. MARSHALL DETERDING
BRIAN L. DOSTER
MARTIN S. FRIEDMAN PA
KIM R. JEWINS PA
STEVEN T. MANLIN PA
ROBERT M. C. ROSE
WILLIAM E. SUNDSTROM PA
DIANE D. TREMOR PA
JOHN L. WHARTON

MAILING ADDRESS
POST OFFICE BOX 1567
TALLAHASSEE, FLORIDA 32302-1567
TELECOPIER (904) 898-4029

March 26, 1996

VIA HAND DELIVERY

Blanca S. Bayo, Director
Division of Records and Reporting
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

960380-45

Re: Spruce Creek South Utilities, Inc.
Application for Amendment of Water and Wastewater Certificates
Our File No. 28039.04

Dear Ms. Bayo:

Attached hereto is the original and 15 copies of the Application for Amendment of Water and Wastewater Certificates in Marion County for Spruce Creek South Utilities, Inc.

Also attached is a check in the amount of \$2,000 for the filing fee.

Should you or any members of the Commission staff have any questions in this regard, please do not hesitate to contact me.

Sincerely,

ROSE, SUNDSTROM & BENTLEY

F. Marshall Deterding

F. Marshall Deterding
For The Firm

Dictated by Mr. Deterding
but signed in his absence
to avoid delay in mailing.

FMD/lts
Enclosures
cc: Jay Thompson
Art Monnig

RECEIVED
MAR 26 1996

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application of Spruce Creek)
South Utilities, Inc. for amendment)
of water and wastewater certificates)
in Marion County, Florida.)

Docket No. 960380-WS

**APPLICATION FOR AMENDMENT OF
WATER AND WASTEWATER CERTIFICATES**

Applicant, SPRUCE CREEK SOUTH UTILITIES, INC., ("Spruce Creek" or "Utility") by and through its undersigned attorneys, and pursuant to Section 367.045, Florida Statutes, applies to the Florida Public Service Commission for amendment of its water and wastewater certificates to include additional territory in Marion County, Florida, and in support thereof states:

I.

The full name and address of the Applicant is:

SPRUCE CREEK SOUTH UTILITIES, INC.
17585 Southeast 102nd Avenue
Summerfield, Florida 34491

II.

The full name and address of the Applicant's attorney, to whom all Orders, notices, directives, correspondence and other communications shall be directed is:

ROSE, SUNDSTROM & BENTLEY
2548 Blairstone Pines Drive
Tallahassee, Florida 32301
Attn: F. Marshall Deterding

III.

Spruce Creek was originally organized and began providing water service pursuant to Commission Order No. 20933, issued on

DOCUMENT NUMBER-DATE

03595 MAR 26 88

FPSC-RECORDS/REPORTING

March 24, 1989. The Utility applied for authority to provide wastewater service in 1991, and by Order No. 25157, issued on October 3, 1991, the Utility was issued a wastewater certificate. The names and addresses of the corporate officers and directors of Spruce Creek are as follows:

Harvey D. Erp - President/Director
Jay A. Thompson - Vice President
Brenda Erp - Vice President

The address for these officers and directors is the address given for the Utility in paragraph I.

IV.

Spruce Creek is requesting an extension of territory to serve a new area known as Spruce Creek Preserve with central water and wastewater service (hereinafter the "Preserve"). The Developer of this property is a related party, Spruce Creek Development Company of Ocala, Inc.

Service is needed to this new area immediately and will ultimately involve 536 single family residences, a 6,000 square foot golf clubhouse and 10,000 square foot community building to which water and wastewater service will be provided.

V.

The Utility has the financial and technical ability to provide service to the proposed territory, and that territory is in need of the service from the Utility. The Utility has invested net rate bases totalling over \$2,000,000 and is currently providing service to approximately 1,700 residential water customers and 1,000 residential service customers as well as other commercial customers

in its existing territory known as Spruce Creek South. The Utility is in the process of constructing the necessary water and wastewater facilities to enable it to serve the Preserve subdivision at build-out, including all residential and commercial facilities. The Utility has operated its existing facilities in conformance with all applicable regulatory requirements since its inception and will continue to employ the necessary management, technical and engineering expertise to enable it to provide high quality water and wastewater service to the Preserve subdivision. A water system including two water supply wells with a design flow of 1,000 gpm each are in the process of being constructed, and a third potable well is proposed for future construction to provide service to the 536 single family residential customers and 16,000 square feet (golf clubhouse and community center) which are in need of and planned for service within the proposed area. The first two wells will enable the Utility to provide potable water service to all planned residential and commercial development within the preserve, as well as residential fire flow. The third well will be constructed as needed to construct fire flow capability to meet commercial requirements. The Utility will also construct a 20,000 gallon storage tank for use in providing such service.

The Utility will also construct a new 95,000 gpd wastewater treatment facility including primary and secondary treatment in order to provide wastewater service to the proposed extension area. The Utility will utilize spray irrigation to a restricted access sprayfield, which is considered a reuse system under applicable DEP

regulation. Copies of the permit applications for both the water and wastewater systems are attached hereto as **Exhibit "A"**.

VI.

This territorial expansion is undertaken in order to provide water and wastewater service to the area described in **Exhibit "B"** hereto. This description utilizes township, range and section references as required by Rule 25.30.030(2), Florida Administrative Code. No other water or wastewater utility facilities are in close enough proximity to the area to offer a reasonable economic alternative to water or wastewater service by the Applicant.

VII.

Based upon a review of the water and wastewater sections of the Local Comprehension Plan approved by the Department of Community Affairs, the Utility and its representatives have concluded that proposed service within the new territories is consistent with all sections of the Local Comprehensive Plan, specifically the water and wastewater sections. In fact, the central water and wastewater service from the applicant as proposed herein has been specifically approved and required as part of the DRI approval for the Preserve subdivision.

VIII.

Evidence that the Utility owns or has a long-term right to utilize the property upon which the Utility's water and wastewater treatment facilities are located to serve the proposed territory are attached hereto as **Exhibit "C"**.

IX.

One copy of a detailed system map showing the proposed lines, treatment facilities and territory proposed to be served, of a sufficient scale and detail to enable correlation with the description of the territory, has been marked as Exhibit "D".

X.

One copy of a map, showing township, range and section with a scale of 1" = 300', with the proposed territory plotted thereon by use of metes and bounds and with a defined reference point of beginning is attached hereto as Exhibit "E".

XI.

The proposed wastewater treatment plant construction will have a capacity of 95,000 gpd which will enable it to serve the 536 single family residential sites plus 16,000 square feet of commercial space based upon an estimated flow of 175 gpd per residential unit and .1 gpd per square foot of commercial floor space.

The water facilities planned for construction in order to serve this area will include two new wells with a design capacity of 1,000 gpm which will be more than adequate to serve the anticipated needs of the residential and commercial development planned within the Preserve.

All water and wastewater lines will be sized as necessary in order to ensure reliable water and wastewater service in accordance with industry standards and regulatory requirements.

XII.

The construction of water and wastewater facilities to serve the Preserve area will be financed through a combination of contributions-in-aid-of-construction authorized under the Utility's current water and wastewater tariffs, infusion of additional equity, and where necessary, additional debt financing from outside sources. The Utility does not anticipate any substantial effect on its current capital structure to result from such additional financing.

XIII.

As previously noted, the Utility anticipates 536 single family customers to be served by 5/8" x 3/4" water meters and standard residential sewer services, as well as 16,000 square feet of commercial water and wastewater service to be served through 2 meters of approximately 1" each to serve the golf clubhouse and community center commercial facilities.

No impact on monthly service rates or service availability charges are currently anticipated to result directly from this extension of the Utility's territory. The Utility believes that current rates and charges and service availability charges should be adequate to fund the provision of such service to the extent those new facilities are used and useful. However, changes in rates and service availability charges are possible as a result of changes in local, state and federal environmental requirements placed upon both the Utility's water source and treatment

facilities, and wastewater treatment and disposal facilities and upon proper allocation of costs to Utility services.

XIV.

The original and two copies of proposed sample tariff sheets reflecting the additional service area are attached hereto as Exhibit "F".

XV.

The original of the Applicant's water and wastewater certificates have previously been provided to the Commission as Exhibit "G" to the Utility's ongoing certificate extension application in Docket No. 960134-WS and are currently in the possession of the Commission. These should be held by the Commission after completion of that previous docket in order to be utilized for further amendment within this Application docket.

XVI.

An affidavit showing compliance with the provisions of Section 367.045, Florida Statutes, and the necessary compliance with Rule 25-30.030, Florida Administrative Code, is attached hereto as Exhibit "G". In accordance with the requirements of Section 25-30.030(7) Fla. Adm. Code, the Utility is currently in the process of publishing Notice of this Application. Within 30 days of the date of filing this Application, the Applicant will submit proof of such publication to the Commission as Exhibit "H".

XVII.

The numbers of the most recent Commission Orders establishing or amending the Applicant's rates and charges are as follows:

Order No. 20933 - Issued on March 24, 1989, establishing initial water rates

Order No. 25331 - Issued on November 13, 1991, establishing initial sewer rates

XVIII.

Attached hereto as Exhibit "I" is an affidavit that the Utility has tariffs and Annual Reports on file with the Commission.

XIX.

Between 500 and 2,000 additional ERCs will be served by the proposed water and wastewater extension requested herein. As such, attached hereto in compliance with the provisions of Section 25-30.020(2)(b), Florida Administrative Code is a check in the amount of \$2,000 which represents the filing fee required for this water and wastewater certificate application.

WHEREFORE, the Applicant, Spruce Creek South Utilities, Inc., requests that this Commission issue its Order amending the water and wastewater certificates of the applicant to include the Spruce Creek Preserve within those certificates.

Respectfully submitted this
26th day of March, 1996, by:
ROSE, SUNDSTROM & BENTLEY
2548 Blairstone Pines Drive
Tallahassee, Florida 32301
(904) 877-6555


JOHN L. WHARTON

spruce\amend.2nd

SPRUCE CREEK SOUTH UTILITIES, INC.

**Application for Amendment of
Water and Wastewater Certificates**

Water and Wastewater Permit Applications

EXHIBIT A



atlanta testing
& engineering

2273 lee road / suite 200 / winter park, florida 32789 / (407) 645-3400 / FAX: (407) 645-3731

February 13, 1996

Southwest Florida Water Management District
2379 Broad Street
Brooksville, Florida 34609-6899

Attention: Mr. Steven W. DeSmith, P.G.

Subject: Aquifer/Well Testing Program
Spruce Creek Preserve Development
Marion County, Florida
AT&E Project No. 8053A

Dear Mr. DeSmith:

Atlanta Testing & Engineering, Inc. (AT&E) has been retained by Spruce Creek Development Company to assist with development of water supplies to serve their proposed Spruce Creek Preserve, PUD in western Marion County. Water supply concerns in the vicinity include the potential for heavy concentrations of sulfate minerals in groundwaters below about 200 feet of depth. AT&E has developed a drilling/testing plan to address this concern and to assess the availability of fresh groundwater supplies in the upper part of the Floridan above this depth. We propose to construct test/production wells to acquire site-specific hydrogeologic and geochemical data at the project site prior to final development of the projects' master water supply plan. The wells will be constructed in accordance with the rules and regulations governing water well construction in Florida and upon successful testing, will be converted to production uses once the Water Use Permit is issued by the District. AT&E is pleased to present the proposed Test Well Testing Program for the above referenced development.

GENERAL DESCRIPTION OF WELLS

Three (3) water wells are proposed for construction at this time. The wells will withdraw water from limestone units comprising what is commonly referred to as the upper producing zone of the Florida aquifer. The formations overlying the upper Floridan aquifer shall be cased-off, and water shall be withdrawn solely from the upper Floridan aquifer. Generally, the well designs are as follows:

Test/Potable Supply: Two (2) test potable water wells will be constructed utilizing ten (10) inch inner diameter (I.D.) schedule 80 PVC casings. The potable well casings will extend in depth to 100 feet, and the open hole section of each well will extend in depth to at least 200 feet. The design pumping rate for these wells is 1,000 gallons per minute (gpm).

Test/Irrigation Supply: One (1) test irrigation supply well will be constructed utilizing twelve (12) inch I.D. PVC casing. The irrigation well casing will extend in depth from land surface to 100 feet, and the open hole section of this well will extend to at least 200 feet in depth. The design flow rate for this well is 1,800 gpm.

PUMPING TESTS

Specific Capacity Tests: Upon completion of well development, a 30-minute duration specific capacity test shall be performed for each of the three (3) constructed wells. Test pumping equipment with a variable speed drive capable of pumping at any desired rate up to 1,800 gpm will be installed. Equipment will be used to accurately determine discharge rates during the test. An in-line flow meter or orifice flow measuring device are anticipated for this purpose. Water level measurements will be collected by the Geologist during the specific capacity test at 5 minute intervals. Recovery will be monitored for a minimum of 30 minutes or until the water level recovers to within 0.1 foot of the static water level. At the end of the specific capacity test, water samples will be collected for laboratory analyses for Total Dissolved Solids and Sulfates. Field parameters, pH, specific conductance and temperature will be measured at 10 minutes intervals during the tests.

ADDITIONAL OPEN-HOLE DRILLING AND TESTING (CONTINGENT)

Upon completion of specific capacity testing, the yield at each well will be evaluated. In the event that a tested well cannot meet the specified design flow rate (1,000 gpm for the potable supply wells, and 1,800 gpm for the irrigation well), or that a tested well exhibits excessive drawdown at the design pumping rate, the following additional drilling procedures shall be required:

- The Contractor shall use the revise-air drilling technique, employing a one (1) inch diameter air line suspended within the drill string, to drill a six (6) inch diameter nominal borehole from the specified well completion depth of 200 feet to a depth of 220 feet.
- The Contractor will redevelop the well by the reverse air method, from the bottom of the well to the top. Upon completion of the well development, a water sample will be collected by the Geologist for field water quality testing for sulfates, pH, specific conductance and temperature. If the measured water quality testing results are acceptable, as determined by the Geologist, the newly drilled section of the well, from 200 feet to the 220-foot completion depth, will be redrilled with a larger ten (10) or twelve (12) inch nominal diameter bit, as applicable.
- Upon completion of well development, a 30-minute duration specific capacity test shall be performed. In the event that the well yield does not meet the design pumping rate, as specified herein, additional open hole drilling shall continue, utilizing the above procedures, until the appropriate design yield is obtained.
- Water quality indicator parameters will be monitored on a continual basis if it is necessary to extend the boreholes below a depth of 200 feet bls.

REPORTING

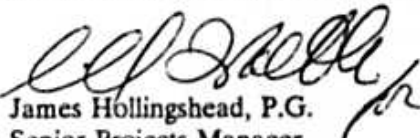
AT&E will prepare a report documenting the results of well construction and testing activities. The report will include as-built well construction information including a well location plan, casing diameters, casing depths, borehole diameters, borehole depths, grout volumes, drillers logs and geologists logs. The report will also include a description of the test procedures, raw aquifer test data, plots of drawdown versus time for each test, field and laboratory water quality data, estimated aquifer transmissivity and a description of the method of analysis.

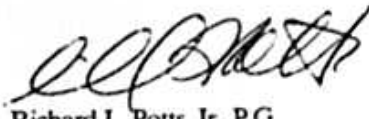
• • •

AT&E is pleased to provide this information for your use. Should you have any questions or comments concerning this test program please contact the undersigned.

Very truly yours,

ATLANTA TESTING & ENGINEERING, INC.


James Hollingshead, P.G.
Senior Projects Manager


Richard L. Potts, Jr., P.G.
Regional Manager
Principal Consultant

JJH/cld

copy to: Mr. Jay Thompson, Spruce Creek Development Co.
File #8053A



atlanta testing
& engineering

2273 lee road / suite 200 / winter park, florida 32789 / (407) 645-3400 / FAX: (407) 645-3731

February 6, 1996

Spruce Creek Golf & Country Club, Inc.
17585 SE 102nd Street
Summerfield, Florida 34491

Attention: Mr. Jay Thompson

Subject: SWFWMD Water Use Permit Application
Spruce Creek Preserve
Marion County, Florida
AT&E Project No. 8053

Dear Mr. Thompson:

Enclosed please find four copies of the completed Water Use Permit application for your Spruce Creek Preserve development. Please forward three (3) copies of the application to the SWFWMD at the following address:

Southwest Florida Water Management District
Brooksville Permitting Department
2379 Broad Street
Brooksville, Florida 34609-6899

Retain one (1) copy of the completed application for your files.

Prior to submission of the application, please sign and date the application on Page 5 of 6, WUP-3 Form 46.20-003. You will need to send with the application, a check made payable to the Southwest Florida Water Management District in the amount of \$1,000.00 for the Permit Application Processing Fee.

If you have any questions regarding the application, please feel free to contact the undersigned at your convenience.

Very truly yours,

ATLANTA TESTING & ENGINEERING, INC.

Richard L. Potts, Jr., P.G.
Regional Manager
Principal Consultant

RLP/cld

georgia • florida • carolinas

**SPRUCE CREEK PRESERVE
WATER USE PERMIT APPLICATION**

FEBRUARY 6, 1996

Prepared for:

**Spruce Creek Golf & Country Club, Inc.
17585 SE 102 Avenue
Summerfield, Florida 32691**

Prepared by:

**ATLANTA TESTING & ENGINEERING, INC.
2273 Lee Road, Suite 200
Winter Park, Florida 32789**

1. Type of Application (Check One): New Renewal Modification

2. Water Use Permit Number (If application is for renewal or modification): _____

NOTE: "Applicant" is the name under which the permit will be issued (examples: Robert Jones; Baker Groves, Inc., Acme Industries, City of Sundale.) All correspondence will be addressed to the applicant unless an alternate contact is requested in Item 4.

3. APPLICANT

NAME Spruce Creek South Utilities, Inc.

TELEPHONE (904) 347-3700

ADDRESS 17585 Southeast 102 Avenue

COUNTY Marion

CITY, STATE, ZIP Summerfield, Florida 34491

Applicant is: Owner Lessee Other Subsidiary

4. CONTACT OR CONSULTANT - Address all correspondence to the person identified below? Yes No

NAME Atlanta Testing & Engineering, Inc.

ADDRESS 2273 Lee Road, Suite 200

TELEPHONE (407) 645-3400

CITY, STATE, ZIP Winter Park, Florida 32789

5. OWNER (IF OTHER THAN APPLICANT)

NAME Spruce Creek Golf & Country Club, Inc.

ADDRESS 17585 SE 102nd Street

TELEPHONE (904) 347-3700

CITY, STATE, ZIP Summerfield, Florida 34491

SECTION A - Acreage

1. Number of acres Owned: 654 ; Leased: _____ ; Serviced _____ .
2. Describe the location of the property contained in this application by Section, Township, Range, 1/4 Section:
Section 4,9&16 , Township 17 South , Range 20E 1/4 Section SE; NE, SE & SW; NW & NE.

SECTION B - Location Maps

3. Provide a recent aerial map showing: (a) a north arrow; (b) a scale designation - all maps should have a minimum scale of 1" = 2,000'; (c) landmarks such as roads and political boundaries; (d) property boundaries - include approximate lengths of boundaries in feet; (e) withdrawal point locations - label withdrawal points, indicate the distance from the withdrawal points to the nearest property boundaries in feet , *(If the withdrawal points are located on non-contiguous parcels, provide separate large-scale maps in addition to a large-scale map which includes all parcels); (f) the area serviced or irrigated, *(if the area serviced or irrigated is a distance from the withdrawal locations, provide separate map[s]).

*May require separate or additional maps.

4. Use a Map (not necessarily an aerial) or a sketch of the applicant's property and surrounding area to indicate:
- Approximate location of other wells not owned by the applicant including domestic wells, irrigation wells, public water supply wells, etc. within the distance set forth in Item 5, Table 1, below. Supplemental locations at a greater distance may be required.
 - Location of monitoring wells, including reference numbers.
 - Wetlands greater than 0.5 acre in size, covering the area within the distance set forth in Item 5, below. Substantial off-site drawdown impacts may require additional aerial coverage. Mining applicants requirements differ, and are provided on the Mining and Dewatering Supplemental Form, Form No. WUP-6.

SECTION C - Adjacent Property Owners

5. Submit a listing of the names and mailing addresses of property owners near the property contained in this application, based on the quantity to be withdrawn and the table provided below. You may choose a distance from either your property boundary or your withdrawal point. The District may require additional potentially affected property owners to be submitted.

Section C, Item 5 continued on Page 3

TABLE 1 - FOR WELL OR MINE PIT WITHDRAWALS OF:

Average GPD on an Annual Basis	OR	Maximum GPD During Any Single Day	Provide Information on the Following:
500,000 gpd but less than 1,000,000 gpd		More than 5,000,000 but not more than 10,000,000 gpd	All property owners within 1,320' of the well, or within 200' of your property boundary
1,000,000 gpd or greater		More than 10,000,000	All property owners within 2,640' of the well, or within 400' of your property boundary

TABLE 2 - FOR SURFACE WATER WITHDRAWALS: N/A

If your withdrawal is from a lake with a surface area of 80 acres or less, list below all riparian owners on the lake or impoundement.

If your withdrawal is from a lake larger than 80 acres, list below all riparian owners in either direction 660' from point where applicant's property intersects the shoreline.

If your withdrawal is from a stream and if the maximum daily average pumpage is less than 5,000,000 gpd, list below all riparian owners 660' upstream and 1,320' downstream from your property boundaries at the shoreline.

If your withdrawal is from a stream and if the maximum daily average pumpage is greater than or equal to 5,000,000 gpd, list below all riparian owners 1,320' upstream and 2,640' downstream from your property boundaries at the shoreline.

Name	Mailing Address

Section D - Withdrawal Points

6. **Groundwater Withdrawals.** Include all wells on property greater than 2" in diameter, whether active or inactive, and whether existing or proposed, in the table on the following page:

TABLE SWFWMD I.D. No. - the withdrawal number assigned by the District, if existing.

LEGEND: Owner I.D. No. - the owner's I.D. number.

Construction Date - the approximate date that withdrawal point became operable.

Average Withdrawal Rate - the total quantity of water to be withdrawn in one year divided by 365.

Peak Monthly Withdrawal Rate - the maximum quantity to be withdrawn in a single month.

Maximum Daily Withdrawal Rate - the maximum quantity to be withdrawn in any single day.

Standby - refers to status of wells that would not be used unless another well becomes inoperable.

Cap - the well is capped.

Meter refers to whether a flow meter is installed: if several withdrawals are connected to the same meter (ganged), indicated by placing a letter character (a, b, etc.) instead of a check mark, linking those interconnected withdrawals by like characters.

Monitor refers to water level or water quality monitors. Indicate the type of monitor by placing an L ("Level"), Q ("Quality"), or both in the space provided. The absence of checkmarks or letters indicates active status.

Mainline Diameter - refers to the outside diameter of the main discharge pipe.

Proposed - check if the withdrawal point is proposed rather than existing.

Section D, continued on Page 4

Section D, continued from Page 3

ID No. SWFWMD	ID No. Owner	Diameter	Total Depth	Depth Cased	Construction Date	Pump Capacity (gpm)	Withdrawal Rate		Proposed	Status (check):			Manning Diameter
							Average Annual	Peak Month		Mon.	Stdy.	Cap Met.	
		4"	UNK	UNK	UNK	UNK	N/A	N/A				X	
		4"	UNK	UNK	UNK	UNK	N/A	N/A				X	
		10"	200	100	TBD	1000			X				
		10"	200	100	TBD	1000			X				
		12"	200	100	TBD	1200			X				

7. Indicate the future use of any capped source: Not Applicable

8. Indicate the parameters sampled for any monitor wells listed above: N/A

9. **Surface Water Withdrawals** - See the Groundwater withdrawal section above for explanation of most terms. Source name is the name of a lake, stream or other waterbody N/A

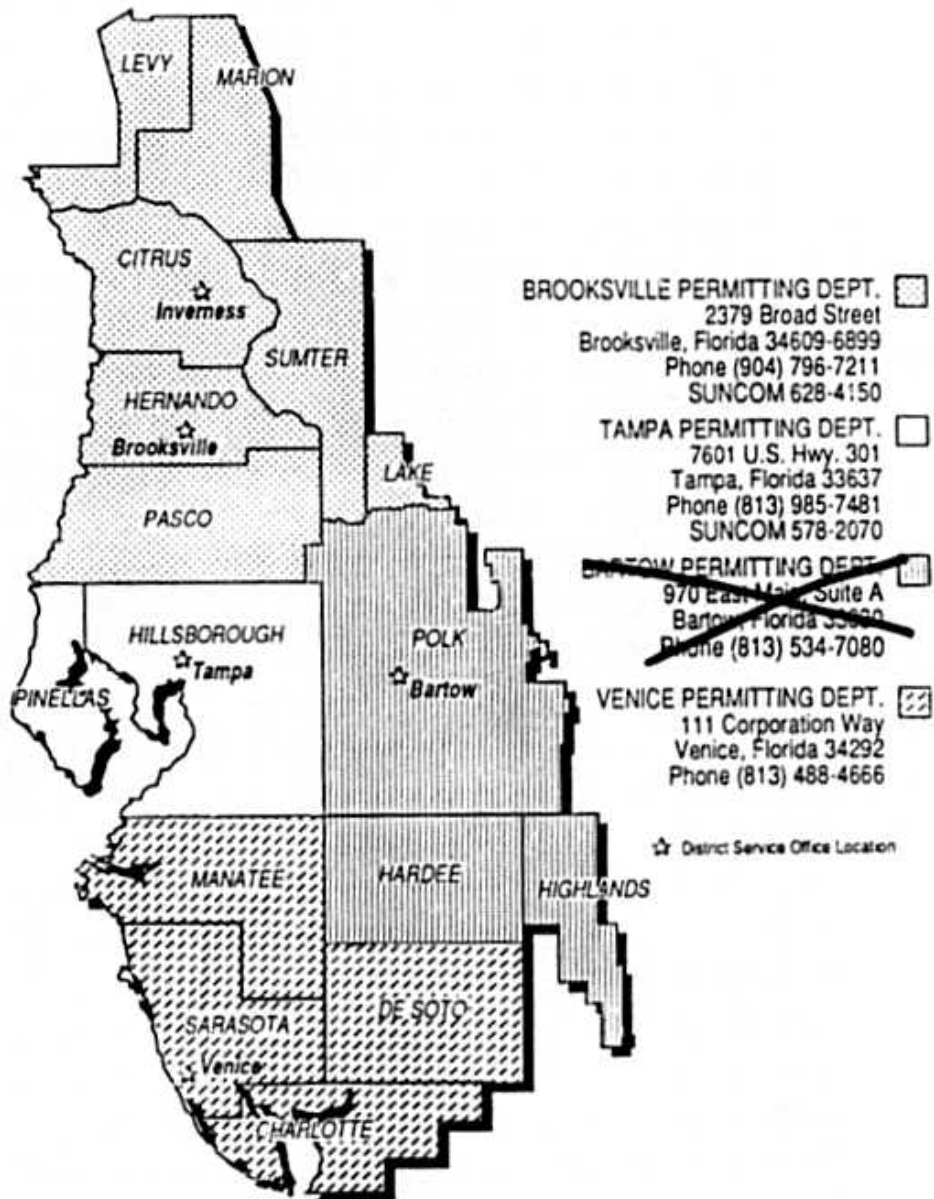
ID No. SWFWMD	ID No. Owner	Source Name	Lake Acreage	Intake Diameter	Pump Capacity (gpm)	Withdrawal Rate		Proposed	Status (check):			Manning Diameter
						Average Annual	Peak Month		Active	Stdy.	Metered	

10. **Other Sources** - Describe any other sources of water, such as from utilities, treated waste water effluent, etc. List annual average and peak month quantities for each additional source: None

Attachments requested in support of this application:

	Attached	N/A
1. (Section II-1) Copy of Legal Description	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. (Section II-2) Copy of Current Lease	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. (Section II-3) Description of Other Legal Property Control	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. (Section IV-3) Aerial Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. (Section IV-4) Site Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. (Section IV-5) Adjacent Property Owners	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. (Section VI) Hydrologic Information	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Appropriate Supplemental Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>

DISTRICT PERMITTING REGIONS:



Permit applications for water use, surface water management, and well construction may be submitted to any district service office. Permitting evaluation and field services for projects within the designated areas will be conducted by the appropriate division.



WATER USE PERMIT APPLICATION SUPPLEMENTAL FORM
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

2379 BROAD STREET • BROOKSVILLE, FL 34609-6899 • (904)796-7211 or FLORIDA WATS 1(800)423-1476

PUBLIC SUPPLY

ANSWER ALL QUESTIONS. IF A QUESTION IS NOT APPLICABLE, ENTER N/A. IF MORE SPACE IS NEEDED, ATTACH ADDITIONAL SHEETS AND REFER TO THE APPLICATION QUESTION NUMBER. PROVIDE DOCUMENTATION AND REFERENCES WHERE APPROPRIATE. IF THERE ARE OTHER USES, COMPLETE THE APPROPRIATE SUPPLEMENTAL FORM(S). THIS INFORMATION IS REQUESTED IN ACCORDANCE WITH RULES 40D-2.101 AND 40D-2.301, FLORIDA ADMINISTRATIVE CODE.

*AN ASTERISK IDENTIFIES ITEMS TO BE INDICATED ON SITE MAP; YOU MAY USE THE MAP REQUESTED IN ITEM IV, SECTION B OF THE WUP APPLICATION.

PLEASE SUBMIT **THREE COPIES** OF THIS SUPPLEMENTAL FORM ALONG WITH YOUR APPLICATION, DRAWINGS, CALCULATIONS, ETC.

I. GENERAL INFORMATION

APPLICANT: Spruce Creek Development Co. of Ocala, Inc. WUP No.(If Existing): _____
 (Same as shown on WUP application)

II. SITE / FACILITY INFORMATION

SECTION A - Wastewater Treatment

1. Describe existing and proposed wastewater treatment plants and major treated effluent transmission lines within the area serviced; include DER rated capacity, potential capacity, disposal area, and method of treatment. None existing- One proposed 99,000 GPD, 13-acre wastewater irrigation spray-field. Proposed primary and secondary treatment without public access reliability.

SECTION B - Fire Flow

2. Describe fire flow and standby capacity. The primary potable supply well will provide an initial fire flow capacity of 750 gpm with an equal amount of standby capacity provided by one backup well. When the development reaches the critical population described in Marion County's Fire Flow ordinance, and additional well will be constructed and fire flow capacity will increase to 1500 gpm.

SECTION C - Wellfield Operation Schedule

3. Describe the typical wellfield operation schedule. Include in the description those wells that are primary, secondary* (peaking), stand-by and the well rotation schedule, if any. The potable water supply system will include two water supply wells with design flow rates of 1000 gpm each. One will be designated as primary and the other will be for secondary and standby purposes. A separate well will be used for Golf Course irrigation purposes. A third potable well is proposed for future construction.

SECTION D - Surface Water Management

4. Is a surface water management system proposed? Yes No ; existing? Yes Permit No. _____ No
 If "yes," provide an evaluation of the impact of the proposed withdrawal on the surface water system, and conversely, the impact of the surface water management system on the withdrawal and water availability at the project site must be submitted. Attached N/A An MSSW permit application is in progress. No impacts are anticipated.

III. WATER USE

SECTION A - Annual Average Quantities in Gallons Per Day (gpd)

The applicant may supply the following information divided into wholesale and retail categories, or may combine them. If the quantities are divided, the two categories must be totalled.

	Present	Projected 6 Year	Projected 10 Year
1. Residential Single-Family	0	152,760	N/A
2. Residential Multi-Family	0	0	N/A
3. Other Metered Uses	0	0	N/A
4. Other Uses (gpd)	0	504,350	N/A
5. TOTAL AVERAGE WATER USE (GPD)	0	657,110	N/A

SECTION B - Other Uses (Itemized)

You must complete this section if the Other Use quantity in Section A exceeds 15%. Please provide calculations and references for each component identified below. If the other use quantity in Section A is 15% or less, you are not required to complete this section but may do so, at your option.

6. Commercial/Industrial non-process	0	15,360	N/A
7. Commercial/Industrial process	0	0	N/A
8. Recreation Irrigation	0	456,215	N/A
9. Fire Fighting (testing, etc.)	0	1,530	N/A
10. Water Utility Use	0	12,498	N/A
11. Treatment Losses	0	12,498	N/A
12. Unaccounted Use	0	6,249	N/A
13. TOTAL OTHER USES (Enter on Line 4, above)			

SECTION C - Recreation Irrigation

14. If any of the projected water use will be for irrigation of golf courses or recreational areas (excluding residential lawns and landscaping), respond to items a through c below. If these quantities are greater than 100,000 gpd average annual, you must fill out the Recreational Supplemental Information form.

- a. Type(s) of vegetation to be irrigated Golf Course
- b. Area in acres which will be irrigated, for each type of vegetation (include on map) 183
- c. Type of Irrigation System(s) Spray

SECTION D - Seasonal Fluctuations

15. If a significant seasonal and/or tourist population is experienced, describe how this influences per-capita water use.
N/A

SECTION E - Peak Month Quantity (gpd)

- | | Present | Projected
6 Year | Projected
10 Year |
|--|---------|---------------------|----------------------|
| 16. Provide the quantity needed in the peak month | 0 | 984,225 | N/A |
| 17. Provide documentation and calculations for these quantities. <input type="checkbox"/> Attached | | | |

IV. DESALINATION/AQUIFER STORAGE OR RECOVERY

SECTION A - Desalination N/A

1. If your system includes desalination, indicate the following:
 - a. Withdrawal capacity: _____ gpd
 - b. Potable water supply capacity: _____ gpd
 - c. Reject water discharge capacity: _____ gpd
 - d. Treatment efficiency ratio (ratio of treated water to reject): _____
 - e. Amount of raw water that can be blended with the R.O. permeate: _____ gpd
 - f. Highest level of total dissolved solids (TDS) or chlorides that can be efficiently and economically treated using the installed membranes: _____ mg/l
 - g. Chloride ion concentration in rejected water: _____ mg/l and receiving water body: _____ mg/l
 - h. Location of effluent discharge on a map.*

SECTION B - Aquifer Storage Recovery

2. If Aquifer Storage Recovery is used, describe the operation of this system (use separate sheet if necessary).

N/A

V. LEGAL - INSTITUTIONAL INFORMATION

1. If regulated by the Public Service Commission, indicate the certificate number of each Public Service Commission certificate, provide a copy of the description of the certificated service area and provide a map of the certificated area.
 Certificate No. _____ Description/map attached N/A
 A petition has been filed with the PSC to delineate the service area.
2. Describe legal rights or intent of acquisition for proposed well or wellfield sites. See attached legal description
3. Is the wellfield protected by a Wellfield Protection Ordinance? Yes No If "yes," provide a copy of the Ordinance, and discuss whether the proposed water use will affect existing land uses as a consequence of the Ordinance.

VI. SERVICE

SECTION A - Wholesale Users: N/A

1. List all wholesale customers served by this application, and specify the percentage of each customer's total demand and the quantity that is supplied by this application.

Customer name and mailing address:	%	Quantities (gpd)	
		Annual Avg.	Peak Month

SECTION B - Distribution, Wholesale and Retail:

	Present	Projected 6 Year	Projected 10 Year
2. Population Served	0	1,018	N/A
3. Per-capita use (gpd/person)	0	150	N/A
4. Finished Water Storage Capacity (gallons)	0	20,000 gallons	N/A
5. Acreage Served - Retail	0	476	N/A
6. Acreage Served - Wholesale	0	0	N/A

Attach a description of water conservation practices currently employed or planned. If planned, include an estimated time-frame for implementation.

Attached



WATER USE PERMIT APPLICATION SUPPLEMENTAL FORM

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

2379 BROAD STREET • BROOKSVILLE, FL 34609-6899 • (904) 796-7211 or FLORIDA WATS 1 (800) 423-1476

RECREATION OR AESTHETIC

ANSWER ALL QUESTIONS. IF A QUESTION IS NOT APPLICABLE, ENTER N/A. IF MORE SPACE IS NEEDED, ATTACH ADDITIONAL SHEETS AND REFER TO THE APPLICATION QUESTION NUMBER. PROVIDE DOCUMENTATION AND REFERENCES WHERE APPROPRIATE. IF THERE ARE OTHER USES, COMPLETE THE APPROPRIATE SUPPLEMENTAL FORM(S). THIS INFORMATION IS REQUESTED IN ACCORDANCE WITH RULES 40D-2.101 AND 40D-2.301, FLORIDA ADMINISTRATIVE CODE.

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PLEASE SUBMIT THREE COPIES OF THIS SUPPLEMENTAL FORM ALONG WITH YOUR APPLICATION, DRAWINGS, CALCULATIONS, ETC.

I. GENERAL INFORMATION

APPLICANT: Spruce Creek Development Company of Ocala, Inc -WUP No. (If Existing): _____
(Same as shown on WUP application)

II. SITE INFORMATION

*1. Identify on a map any surface water management features such as interconnected ponds, weirs, control structures, etc. Include information such as invert elevations, pond water levels, etc. On a separate sheet, describe how the system is managed in terms of regulating the water levels and flows within the system. Attached N/A
The stormwater system will include dry retention. The design is not complete.

*2. Identify on a map any wells used for augmentation; include the withdrawal ID number referenced in the Application Form. On a separate sheet, describe how the augmentation is managed in relation to Item 1 above. Attached N/A

3. Is a surface water management system proposed? Yes No Existing? Yes Permit No. _____ No
If so, provide an evaluation of the impact of the proposed withdrawal on the lake system and conversely, the impact of the control elevations of the surface water management system on the withdrawal and water availability at the project site.

The MSSW permit is in process. The system will utilize dry retention. No impacts

4. Storage Capacity (gallons) Present _____ Projected - 6 years _____ Projected-10 years are anticipated

III. WATER USE

SECTION A - Annual Average Quantities in Gallons Per Day (gpd)

Total the average daily water requirements below; the reference in parentheses next to the water use category refers to the item number on this form that relates to the category.

	Present	Projected 6 Year	Projected 10 Year
1. Personal Sanitary Use (Section C)	0	0	0
2. Irrigation (Section D)	0	456,215	456,215
3. Animal Watering Use (Section E)	0	0	0
4. Water-based Recreation (Section F)	0	0	0
5. Other Uses (Section B)	0	32,775	32,775
6. TOTAL AVERAGE WATER DEMAND	0	488,990	488,990

SECTION B - Other Uses (Itemized)

You must complete this section if the other use quantity in Section A exceeds 15%. Please provide calculations and references for each component identified below. If the other use quantity in Section A is 15% or less, you are not required to complete this section but may do so, at your option.

7. Maintenance and Cleaning	_____	_____	_____
8. Aesthetic	_____	_____	_____
9. Fire Fighting	_____	_____	_____
10. Botanical Specimen Irrigation	_____	_____	_____
11. Other (describe) _____	_____	_____	_____
12. TOTAL OTHER USES (Enter on Line 5, above)	_____	_____	_____

THE FOLLOWING QUESTIONS ARE REQUIRED TO BE ANSWERED ONLY IF "OTHER USES" IN SECTION IIIA EXCEED 15%.

13. MAINTENANCE AND CLEANING - Describe water used for maintenance and cleaning of structures and equipment, based on maintenance/cleaning schedules. _____
14. AESTHETIC USE - Describe water used for aesthetic purposes, including water fountains, augmentation of ponds, etc. _____
15. AIR CONDITIONING/COOLING - Describe any water needs associated with air conditioning and cooling, such as ground water heat pumps, cooling towers, etc. _____
16. FIRE FIGHTING USE - Provide a schedule of routine testing and maintenance of fire-protection facilities. Include flow rates and length of time of testing. _____
17. BOTANICAL SPECIMEN USE - Describe any special or intensive water use needs for botanical specimens, if applicable. _____

SECTION C - Personal Sanitary Use - This information is included in the Commercial/Industrial form.

	Present	Projected - 6 Years	Projected - 10 Years
18. Population Served (Workers and Visitors)	0		
19. Gallons per day per person	0		
20. TOTAL PERSONAL SANITARY USE ANNUAL AVERAGE (gpd)	0		
21. PEAK MONTH (gpd)	0		

SECTION D - Irrigation

22. Describe the methods used to defeat automatic irrigation during and immediately after significant rainfall.
System control will be manual, irrigation systems will be controlled manually.
23. Describe the methods used for leak detection and correction of overspray.
Sprinkler operation will be observed for correction of overspray and detection of leaks on a monthly basis.
24. LAWN AND LANDSCAPE

IRRIGATION METHOD	PLANT TYPE	ACRES IRRIGATED	SOIL TYPE (SCS)	ANNUAL AVG QUANTITY	PEAK MONTH QUANTITY	WITHDRAWAL I.D NUMBER(S)
center pivot	grass/shrubs	10	Apopka	25,287 gpd	37,230 gpd	TBD

25 GOLF COURSES:

a. Break down acres irrigated for:

tees/greens 5
 fairways/rough 163
 other _____ (describe) _____
 TOTAL 168

b. If the golf course is associated with a residential development, list the name of the development: Spruce Creek Preserve

SECTION E - Animal Water Use N/A

26. Animal Type (Group animals with similar water needs; indicate animal type(s) in the space provided):

a. Animal Name	_____	_____	_____	_____
b. Number of Stock	_____	_____	_____	_____
c. Animal Watering/Head (gpd/hd)	_____	_____	_____	_____
d. Aquatic Habitat Requirements	_____	_____	_____	_____
e. Annual Average Daily Quantity (gpd)	_____	_____	_____	_____
f. Peak Monthly Water Needed (gpd)	_____	_____	_____	_____

SECTION F - Water-Based Recreation N/A

27. Water-based recreation (e.g. rides, pools, flumes, etc.): Describe the water uses associated with any water-based activities, including how and in what quantity water is used. Describe any seasonal variation in water requirements.

IV. DISPOSAL/RECYCLING

1. DISPOSAL METHOD - Specify the percentage for each, to total 100%.

Individual septic tank	<u>0</u> %
Offsite Discharge	<u>0</u> %
Spray irrigation	<u>100</u> %
Percolation/retention pond	<u>0</u> %
Other	<u>0</u> % (Specify): _____
TOTAL	<u>100</u> %

2. Discharge to (location name(s)): 13-acre on-site Limited Access Waste Water Spray-Field.

3. NPDES, DER Discharge Permit Numbers: _____

V. WATER CONSERVATION

Attach a description of water conservation practices currently employed or planned. If planned, include an estimated time-frame for implementation. Attached



WATER USE PERMIT APPLICATION SUPPLEMENTAL FORM

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

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INDUSTRIAL OR COMMERCIAL

ANSWER ALL QUESTIONS. IF A QUESTION IS NOT APPLICABLE, ENTER N/A. IF MORE SPACE IS NEEDED, ATTACH ADDITIONAL SHEETS AND REFER TO THE APPLICATION QUESTION NUMBER. PROVIDE DOCUMENTATION AND REFERENCES WHERE APPROPRIATE. IF THERE ARE OTHER USES, COMPLETE THE APPROPRIATE SUPPLEMENTAL FORM(S). THIS INFORMATION IS REQUESTED IN ACCORDANCE WITH RULES 40D-2.101 AND 40D-2.301, FLORIDA ADMINISTRATIVE CODE.

NOTE: IF PROCESSING OF MATERIALS IS ASSOCIATED WITH MINING OR DEWATERING, USE THE **MINING AND DEWATERING SUPPLEMENTAL FORM, WUP FORM NO 6**, AND INCLUDE THE INDUSTRIAL/COMMERCIAL USES ON THAT FORM.

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I. GENERAL INFORMATION

APPLICANT: Spruce Creek Development Co. of Ocala, Inc. WUP No.(If Existing): _____
(Same as shown on WUP application)

II. SITE INFORMATION

SECTION A - Fire Flow

Describe fire flow and standby capacity (identify withdrawal points and when they would be used).

The primary potable supply well will provide an initial Fire Flow capacity of 750 gpm with an equal amount of standby capacity provided by one backup well. When the development reaches the critical population described in Marion County's Fire Flow ordinance, an additional well will be constructed and Fire Flow capacity will increase to 1500 gpm.

SECTION B - Existing Wellfields

Describe the existing wellfield operation schedule, if applicable. Include in the description those wells that are primary, secondary, stand-by, and the well rotation schedule, if any. Description Attached N/A

SECTION C - Surface Water Management System

Is a surface water management system proposed? Yes No Existing? Yes permit no. _____ No
If so, an evaluation of the impact of the proposed withdrawal on the surface water management system, and conversely, the impact of the surface water management system on the withdrawal and water availability at the project site must be submitted. An MSSW permit is being applied for. No impacts are anticipated.

SECTION D - Discharge/Recirculation N/A

Identify the following items on a map or maps: 1. Discharge points: 2. Recirculation or settling ponds.
Number the ponds, and list the acreage of each pond:

Pond No.	Acreage
_____	_____
_____	_____
_____	_____

III. WATER USE

SECTION A - Annual Average Quantities in gallons per day (gpd)

AVERAGE ANNUAL BASIS IN GPD:

	Present	Projected 6 Year	Projected 10 Year
1. Potable and sanitary needs	0	15,360	15,360
2. Lawn and landscape irrigation	0	5000	5000
3. Outside use (washing, maintenance)	0	0	0
4. Fire protection (testing, maintenance)	0	50	50
5. Provide a Water Balance diagram, indicating all water sources (ground water from wells, ground water from water table dewatering or drainage, surface water, rainfall, recycled water, etc.), the amount of water entering and leaving each step in the process, all water losses (e.g. evaporation, product moisture, steam losses, waste-material entrainment, offsite discharge, recycle, etc.), and the final disposition of water. These diagrams should be based on the annual average daily quantity and the peak monthly quantity. All flows must be in units of gallons per day, and the total of all sources must equal the total of all losses. Typical Commercial/Retail Development - No Industry			
6. Total Water Demand (Total Items 1-5)	0	20,410	20,410
7. Provide the percentage unaccounted water (total system throughout minus all accounted and in-plant use)	0	5%	5%
8. Population served (works/visitors)	0	1000	1000

SECTION B - Lawn & Landscape Irrigation

If any of the projected water use will be for irrigation of lawns, landscaping of recreational areas, respond to Items 1 through 6 below. If not, please check N/A. N/A

If these quantities are greater than 100,000 gpd annual average, you must fill out the recreational supplemental information form, WUP 8.

1. Acres to be irrigated	2 acres
2. Type(s) of vegetation to be irrigated	Landscape shrubery and grass
3. Irrigation method	Spray
4. Approximate peak monthly water use	235,240 gallons
5. Approximate annual average water use	34 inches year
6. Show irrigated area(s) on map.*	Commercial/Retail Areas have not been designed yet.

SECTION C - Peak Month Quantity

Provide the peak month quantity needed at present, in 6 years and in 10 years, and provide calculations supporting these quantities.

9. Total peak month quantity (gpd) Average x 1.5 = Peak	0	30,615	30,615
---	---	--------	--------

IV. DISPOSAL

SECTION A - Methods of Disposal

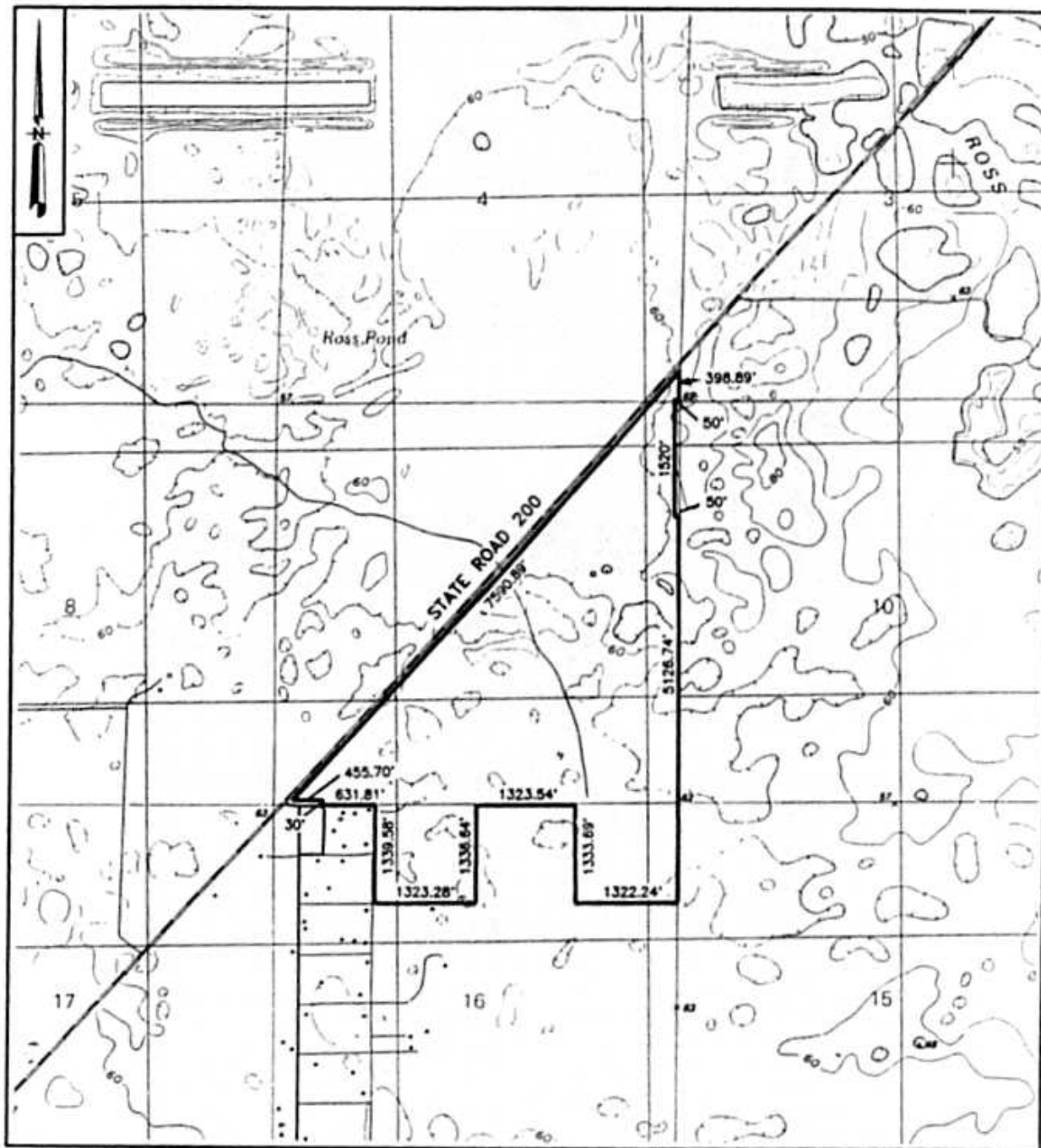
SPECIFY THE PERCENTAGE FOR EACH, TO TOTAL 100%:

1. Individual septic tank	0 %	
2. Percolation pond	0 %	
3. Offsite discharge	0 %	
4. Spray irrigation	100 %	
5. Other	0 %	Specify _____
6. Discharge to other location	0 %	Name _____ NPDES, DER Discharge Permit Nos. _____
7. Discharge to other location	0 %	Name _____ NPDES, DER Discharge Permit Nos. _____
TOTAL	100%	

V. WATER CONSERVATION

1. Attach a description of water conservation practices currently employed or planned. If planned, include an estimated time-frame for implementation. Attached

2. Include plans to recycle waste water, and provide present and future quantities. Attached



REFERENCE:

U.S.G.S. DUNNELLON SE, FLORIDA QUADRANGLE MAP, DATED 1991;
 SECTIONS 4 & 9, TOWNSHIP 17 SOUTH, RANGE 20 EAST

PROJ. NO.: 8053

DATE: 2-6-96

SCALE: 1" = 2000'

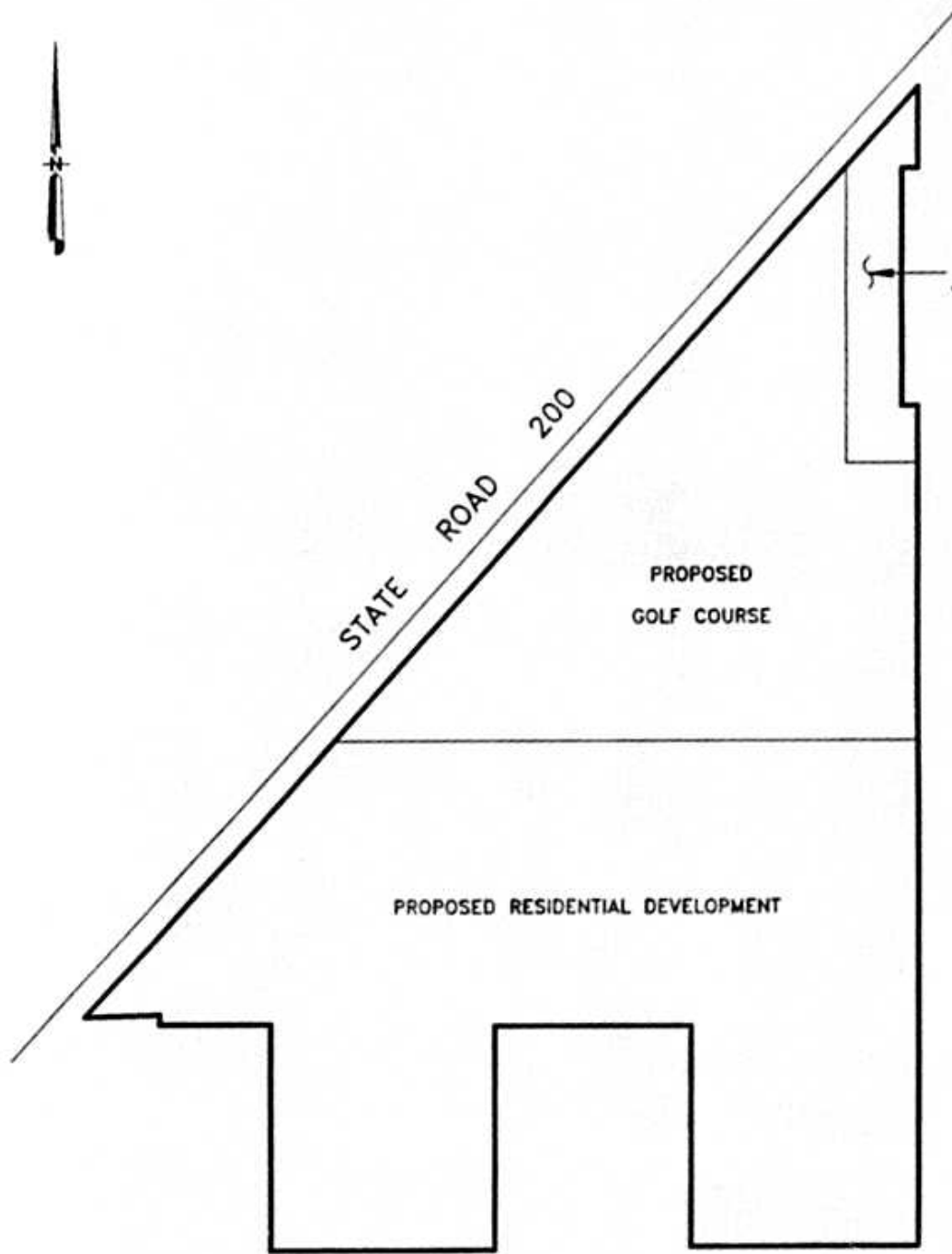


atlanta testing
& engineering

SITE VICINITY MAP

SPRUCE CREEK PRESERVE
 MARION COUNTY, FLORIDA

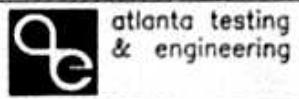
FIGURE 1



PROJ. NO.: 8053

DATE: 2-6-96

SCALE: 1" = 1000'



PROPOSED LAND USE

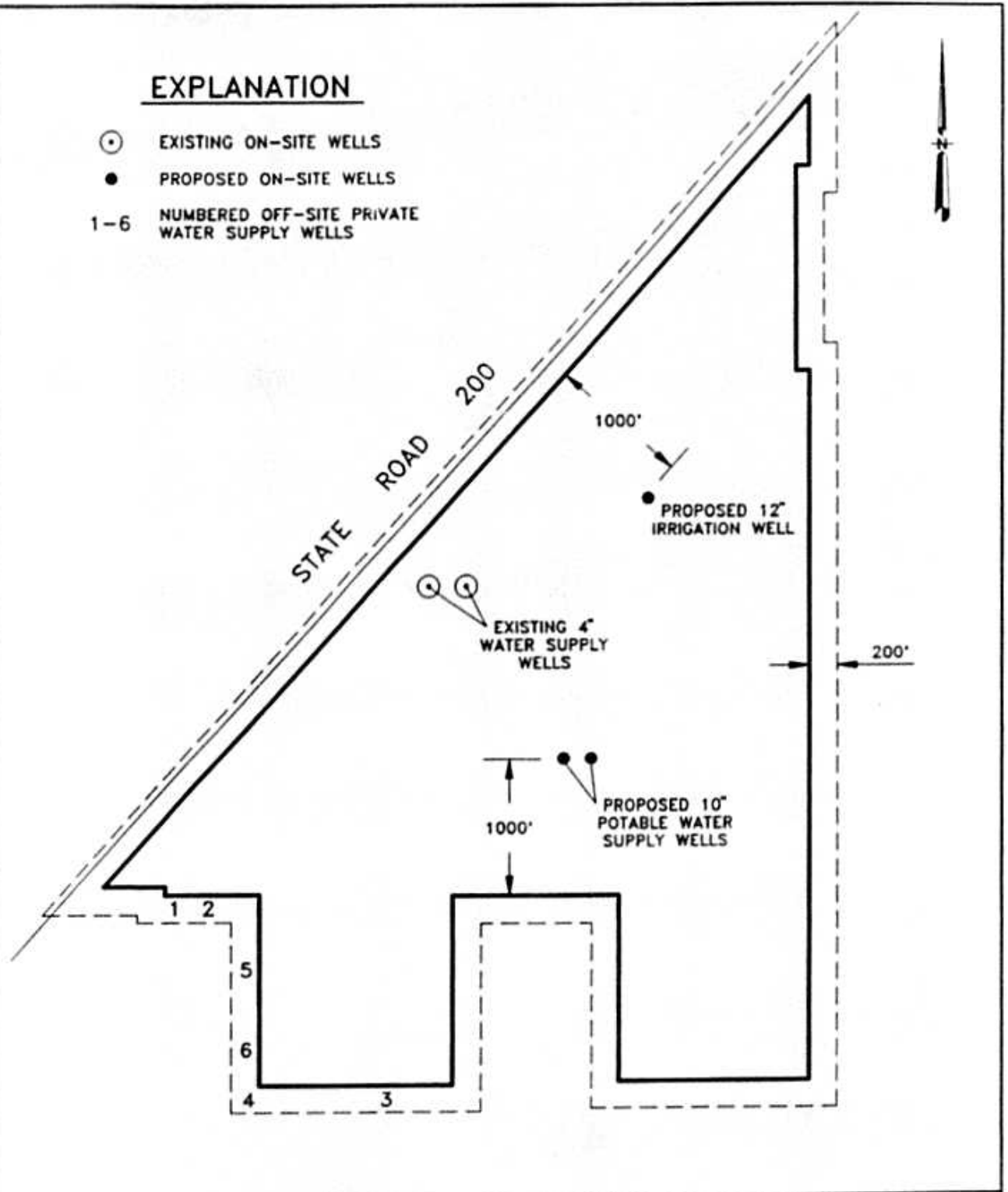
SPRUCE CREEK PRESERVE
MARION COUNTY, FLORIDA


FIGURE 2

8/15/96

EXPLANATION

- ⊙ EXISTING ON-SITE WELLS
- PROPOSED ON-SITE WELLS
- 1-6 NUMBERED OFF-SITE PRIVATE WATER SUPPLY WELLS



PROJ. NO.: 8053	<h3>WATER WELL LOCATIONS</h3> <p>SPRUCE CREEK PRESERVE MARION COUNTY, FLORIDA</p>
DATE: 2-6-96	
SCALE: 1" = 1000'	
 atlanta testing & engineering	FIGURE 3

Water Conservation Plan For Spruce Creek Preserve Development Marion County Florida

Public Supply

The following direct water saving measures will be implemented within the Spruce Creek Preserve Development:

1. **Water Metering** - Water supply sources (well heads) and individual points of use will be fully metered in accordance with water management district requirements. During construction, contractors will be required to meter and report uses for various construction activities and sources used. Complete, real-time meter record data will be maintained at the development site.
2. **Builder Controls** - New residential units and commercial/recreational facilities will incorporate the latest water-saving plumbing fixtures and lavatory facilities. Residential unit irrigation systems will include automatic clock timers.

The following indirect water saving measures will be implemented within the Spruce Creek Preserve Development:

1. **Utility Controls** - Domestic water conservation will be encouraged through implementation of an inclining-block inverted utility rate structure. The rate structure should result in significant reductions in residential lawn irrigation use through monetary penalties for lawn over-watering practices.
2. **Institutional Controls** - The utility will actively provide information and assistance in water conservation programs throughout the development. Water-awareness educational information, in the form of bulletins and flyers, will routinely be provided to residential customers and golf course users. The releases will focus on such issues as: xeriscape landscaping, water use/costs relationship and domestic water use reduction practices.

The combination of efficient water supply source and delivery systems and developer controls should result in dramatic reductions in groundwater withdrawals and consumptive use. We anticipate reductions on the order of 25 to 30 per cent over the annual use associated with a similar development without these controls.

Industrial/Commercial

The following direct water saving measures will be implemented within the Industrial/Commercial area Spruce Creek Preserve Development:

1. **Water Metering** - Water supply sources (well heads) and individual points of use will be fully metered in accordance with water management district requirements. During construction, contractors will be required to meter and report uses for various construction activities and sources used. Complete, real-time meter record data will be maintained at the development site.

2. **Builder Controls** - Commercial facilities will incorporate the latest water-saving plumbing fixtures and lavatory facilities.

The following indirect water saving measures will be implemented within the Industrial/Commercial area Spruce Creek Preserve Development:

1. **District Program Participation** - The developer is willing to participate in a research project exploring an aspect of water use efficiency, upon request of a District contractor.

Golf Course/Recreational

The following direct water saving measures will be implemented at the Golf Course within the Spruce Creek Preserve Development:

1. **Stormwater Reuse** - Key water storage ponds within the golf course area will be lined. These ponds will be incorporated into the stormwater management system and the golf course irrigation system. The operation of these ponds will allow for the capture and use of a portion of the stormwater runoff from the site.
2. **Modern Irrigation System** - The irrigation system for the golf course will use current irrigation technology.

Spruce Creek Preserve Estimated Potable Water Demands

Development Phase	Land Use	Floor Space (Sq. Ft.)	Total Units (Ea.)	Consumption Rate (gpd)	Potable Water Demand (gpd)	Non-Potable Water Demand (gpd)	Total Demand (gpd)
I	Residential	0	73	150 per capita	20,805	0	20,805
	Commercial	10,000	---	0.16 per Sq. Ft.	1,600	---	1,600
	Childhouse	10,000	73	0.16 per Sq. Ft.	22,405	0	22,405
	Phase I Total	---	463	150 per capita	131,955	---	131,955
	Residential	0	---	0.16 per Sq. Ft.	960	---	960
	Commercial	6,000	---	0.16 per Sq. Ft.	132,915	0	132,915
	Childhouse	6,000	463	0.16 per Sq. Ft.	155,320	0	155,320
	Phase II Total	16,000	536	---	0	---	0
	Phase I and II Total	---	0	150 per capita	12,800	---	12,800
	Residential	80,000	---	0.16 per Sq. Ft.	0	---	0
Commercial	0	---	0.16 per Sq. Ft.	12,800	0	12,800	
Clubhouse	80,000	0	---	---	0	---	
Phase III Total	80,000	536	---	168,120	0	168,120	
Phase I, II, and III Total	96,000	536	---	---	---	---	

Note: Residential Demand Based on 1.9 people per dwelling unit

PEAK HOUR DEMANDS (PHDI)

PHD = 0.7 * ERU

ERU = Average Demand / 312.5

Peak Flow = 1500 gpm

Phase	Average Daily Demand (gpm)	Peak Hour Demand (gpm)	Peak Demand + Fire Flow (gpm)
Phase I	15.56	50.19	1550.19
Phase II	107.86	347.92	1847.92
Phase III	116.75	376.59	1876.59

SECTION B CALCULATIONS

6) Commercial/Industrial Non-Process: To include proposed Residential Community, Clubhouse and Commercial use (office/sales). Numbers Provided to ATE by DRM+P.¹

Clubhouse : 2,560 GPD }
 Commercial : 12,800 GPD } **15,360 GPD**

3) Recreation Irrigation: 178 acres of Golf course and landscape areas
 5 acres Trees + Greens : 50"/yr → 18,600 GPD
 173 acres Roughs + landscape : 34"/yr → 437,616 GPD²

Total : **456,216 GPD**

¹ Quantities Provided by DRM+P. Data is Appended
² Quantity From AGMOD. Printout is Appended.

4) Fire Fighting: Expected 1% of Item No. 1 Section A : 152,760 GPD x 1%

1,530 GPD

10) Water Utility Use : Estimated @ 2% of total of Items 1, 6, 8 & 9 of Section A:
 1) 152,760 GPD + (6) 14,400 GPD + (8) 456,215 GPD + (9) 1,530 GPD =
 624,905 GPD x 2% = **12,498 GPD**

11) Treatment Losses : See Item 10 above

12,498 GPD

12) Unaccounted Use : Estimated @ 1% of total in Item No. 10.

6249 GPD

WEST FLORIDA WATER MANAGEMENT DISTRICT
 CALCULATIONS OF IRRIGATION REQUIREMENTS
 IN REGION 10

ITEM	1977 SOURED					1978 CAPACITY				1979 1980		TOTAL	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC
MEAN RAINFALL	2.11	2.24	2.73	3.00	4.11	7.29	6.16	7.52	6.24	2.56	1.73	2.73	22.18
EVAP. TRANSPIRATION	1.12	1.12	1.15	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	12.14
10% EXCESS	1.00	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	12.14
10% DEFICITIVE RAIN	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	12.14
AVERAGE IRRIGATION	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	12.14
10% EXCESS IRRIGATION	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	12.14
10% DEFICITIVE IRRIGATION	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	12.14
OTHER WATER USE	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	12.14
TOTAL WATER USE	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	12.14

10% EXCESS PERMITTED	20.7 IN.	100,000 GAL.	100,000 GAL.
OTHER WATER USE	1.11 IN.	100,000 GAL.	100,000 GAL.
10% EXCESS ESTABLISHMENT	1.11 IN.	100,000 GAL.	100,000 GAL.
AVERAGE ANNUAL	1.11 IN.	100,000 GAL.	100,000 GAL.
10% EXCESS	1.11 IN.	100,000 GAL.	100,000 GAL.
10% DEFICITIVE	1.11 IN.	100,000 GAL.	100,000 GAL.

--- MONTHS OF ALL IRRIGATION WATER USED

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL ALLOCATION	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	32.0
TOTAL WATER ALLOCATION	64 PER YEAR												
PEAK MONTHLY ALLOCATION	3.1 PER YEAR												

- 1. EVAP. TRANSPIRATION WAS CALCULATED USING A MODIFIED BLUMENHANS METHOD.
- 2. MEAN RAINFALL WAS AVERAGED FROM 69 YEARS OF RECORD AT USWA.
- 3. 10% EXCESS IRRIGATION IS THE MINIMUM AMOUNT OF RAINFALL DEFICIT TO BE MET FOR CROPS WITH A PROBABILITY OF SURVIVAL 90% TO 95%.
- 4. 10% DEFICITIVE IRRIGATION IS THE AMOUNT THAT SHOULD BE APPLIED FOR CROPS WITH A PROBABILITY THAT THE AMOUNT SHOWN WILL BE REQUIRED 10% TO 15% BASED ON 60-YEAR 10% RAINFALL PROBABILITY.
- 5. CALCULATIONS ARE BASED ON 60-YEAR RECORDS FOR USWA.
- 6. PEAK MONTHLY ALLOCATION IS BASED ON 1978 RAINFALL FROM USWA RECORDS.
- 7. REFERENCE INFORMATION CAN BE FOUND IN THE DISTRICT'S STATE OF FLORIDA FOR 1978 AND THE RECORDS MAINTAINED.
- 8. THIS PROGRAM WAS DEVELOPED IN 1978 AT USWA.

TOTAL ALLOCATED IRRIGATION
 IN
 DOLLARS PER MONTH

	WELL	TOTAL
JAN	7,608,044	7,608,044
FEB	9,071,491	9,071,491
MAR	10,071,494	10,071,494
APR	10,054,107	10,054,107
MAY	14,010,701	14,010,701
JUN	11,078,744	11,078,744
JUL	10,071,840	10,071,840
AUG	11,742,100	11,742,100
SEP	11,719,970	11,719,970
OCT	10,765,700	10,765,700
NOV	11,900,900	11,900,900
DEC	1,004,809	1,004,809
TOTAL	111,104,000	111,104,000

- NOTES
1. TOTAL ALLOCATED IRRIGATION DOES NOT INCLUDE FLOOD AND FLOOD CONTROL QUANTITIES.
 2. WATER DEDUCTIBLE FOR STRAWBERRIES HAS BEEN ADDED TO THE MONTH OF PLANTING.
 3. WATER DEDUCTIBLE FOR ALL VEGETABLES (EXCEPT STRAWBERRIES) HAS BEEN ADDED TO THE MONTH BEFORE PLANTING.
 4. ALL QUANTITIES INCLUDE WATER FOR OTHER USES.

DESCRIPTION	PERMITTED AMOUNT	AVAILABLE
AVERAGE MONTH	9,258,667	
PEAK MONTH	14,401,000	7.5 Gall
FAST FLOOD	0	24
BASED ON 1987-1988 IRRIGATION EVENT		

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
 CALCULATIONS OF IRRIGATION REQUIREMENTS FOR
 ORANGE COUNTY

ITEM	1977					1978					1979				
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL		
MEAN RAINFALL	3.56	3.11	3.70	3.00	4.11	7.19	8.04	7.92	6.26	2.89	1.75	1.73	31.26		
EVAPOTRANSPIRATION	4.00	3.51	3.05	4.21	5.31	6.05	6.91	6.79	5.95	3.42	2.00	1.92	42.84		
PEAK MONTH	2.60	2.11	4.59	5.89	7.29	8.00	8.00	7.00	5.00	4.79	3.50	2.69			
AVG. EFFECTIVE RAIN	1.00	1.29	1.10	1.00	1.15	1.11	1.00	1.14	1.41	1.10	0.80	1.07	11.21		
AVERAGE IRRIGATION	1.10	1.60	2.42	3.89	4.16	4.89	5.95	5.65	4.54	2.32	1.14	1.11	30.05		
3-DAY-10 EFF. RAIN	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	12.00		
3-DAY-10 IRRIGATION	1.5	1.50	1.50	4.19	4.19	4.19	4.19	4.19	4.19	4.19	4.19	4.19	48.00		
OTHER WATER USE	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	13.20		
TOT 3-DAY-10 WTR USE	1.50	1.50	1.50	4.19	4.19	4.19	4.19	4.19	4.19	4.19	4.19	4.19	48.00		

1-DAY-10 PERMITTED	12.00 IN.	100,000 GPD.
OTHER WATER USE	1.10 IN.	7,800,000 GPD.
CROP ESTABLISHMENT	1.10 IN.	0.00 GPD.
AVERAGE ANNUAL	13.17 IN.	107,800,000 GPD.
PEAK MONTH	7.19 IN.	1,142,000.0 GPD.
COLD PROTECTION	0.00 IN.	0.00 GPD.

----- COMPOSITE OF ALL IRRIGATION WATER USES (AC. IN.) -----
 ----- NOTE ALL GALL. IN. = 100 GPD -----

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL ALLOCATION	2.5	3.4	4.1	5.4	5.0	6.4	6.7	6.1	4.6	2.7	1.3	1.3	39.5

TOTAL WATER ALLOCATION : 39.500 IN. PEAK MONTHLY ALLOCATION : 6.700000 IN. PER

- NOTES :
1. EVAPOTRANSPIRATION WAS CALCULATED USING A MODIFIED BLANKENHORN METHOD.
 2. MEAN RAINFALL WAS AVERAGED FROM 66 YEARS OF RECORD AT Ocala.
 3. PEAK 3-DAY EFFECTIVE RAINFALL IS THE HIGHEST AMOUNT OF RAINFALL EXPECTED TO BE RECEIVED FOR CROPS WITH A PROBABILITY OF OCCURRING ON 10% OF YEARS.
 4. 3-DAY-10 IRRIGATION IS "THE AVERAGE" THAT SHOULD BE APPLIED FOR CROPS IN AREAS WITH A PROBABILITY THAT THE HIGHEST 3-DAY RAIN WILL BE RECEIVED IN 10% OF YEARS (BASED ON 3-DAY 10 YEAR RAINFALL PROBABILITY).
 5. CALCULATIONS ARE BASED ON AVERAGE 1960-1970 10% MODIFIED JAN 1 1970.
 6. PEAK MONTH FOR NON-PLANTED CROPS IS BASED ON 10 YEAR RAINFALL FROM 1970-1979 THROUGH 1970.
 7. REFERENCE INFORMATION CAN BE FOUND IN THE DISTRICT'S PART 10 BASIS FOR DESIGN AND THE MODEL DOCUMENTATION.
 8. THIS PROGRAM WAS EXECUTED ON 01-04-1978 AT 10:07:04.

TOTAL ALLOCATED IRRIGATION
 IN
 GALLONS PER MONTH

	ALL CROPS	TOTAL
085	7,469,729	7,469,729
086	1,177,220	1,177,220
087	11,311,149	11,311,149
088	20,175,750	20,175,750
089	20,882,870	20,882,870
090	11,717,189	11,717,189
091	11,921,870	11,921,870
092	14,124,170	14,124,170
093	11,333,510	11,333,510
094	11,631,048	11,631,048
095	11,770,510	11,770,510
096	9,447,852	9,447,852
TOTAL	188,018,392	188,018,392

- NOTES: 1. TOTAL ALLOCATED IRRIGATION DOES NOT INCLUDE FERTILIZER AND PESTICIDE QUANTITIES.
 2. CROP ESTABLISHMENT FOR STRAWBERRIES HAS BEEN ADDED TO THE MONTH OF PLANTING.
 3. CROP ESTABLISHMENT FOR ALL VEGETABLES (EXCEPT STRAWBERRIES) HAS BEEN ADDED TO THE MONTH BEFORE PLANTING.
 4. ALL QUANTITIES INCLUDE WATER FOR OTHER USES.

... .. PERMITTED AVERAGE



WASTEWATER APPLICATION FORM 2A

FOR A DOMESTIC WASTEWATER FACILITY PERMIT

Instructions for selected items are included in the "INSTRUCTIONS FOR FORM 2A". Refer to these instructions before filling out each item.

SECTION 1. APPLICANT AND FACILITY DESCRIPTION

1. Application Type

- New
- Substantial Modification
- Permit Renewal

2. Facility Type

- Wastewater Treatment
- Reuse or Disposal
- Limited Wet Weather Discharge
- Residuals/Septage Management

3. Treatment Facility Information

a. Name

Spruce Creek Golf Preserve

b. Facility Identification Number

N/A

c. Location

Number and Street
City/State/Zip Code
Telephone

State Road 200
Summerfield, Florida 34491
() N/A

Latitude

29 ° 02 ' 00 " N

Longitude

82 ° 18 ' 00 " W

Dates Coordinates Determined

1 / 31 / 96

Method Used to Obtain Coordinates

USGS Topographic Map

d. Ownership Type

- Municipal
- County
- State
- Private

e. Contact

Name
Telephone

Jay Thompson
(904) 347-3700

f. Facility Mailing Address

Number and Street
City/State/Zip Code

State Road 200
Summerfield, Florida 34491

g. Year Facility Began Operation

New Facility

h. Year of Facility's Last Substantial Modification

N/A

4. Applicant or Authorized Representative

Legal Name
Number and Street
City/State/Zip Code
Telephone

Jay Thompson, Vice President
Spruce Creek South Utilities,
17585 Southeast 102nd Avenue
Summerfield, FL 34491
(904) 347-3700

5. Applicant's Authorized Agent

Name and Title
Number and Street
City/State/Zip Code
Telephone

Mr. John P. Toomey, P.E.
Water & Wastewater Dept. Manager
Dyer, Riddle, Mills & Precourt
1505 East Colonial Drive
Orlando, FL 32803
(407) 896-0594

6. Project Name and Description

The project includes the construction
of a WWTF and effluent reuse system to
serve the Spruce Creek Preserve.

7. Collection System Length

6.3 miles

8. Industrial Wastewater Contributions N/A

a. Average Daily Flow N/A

_____ mgd

b. Does this facility have an approved pretreatment program? N/A

___ Yes ___ No

Coordinator Name
Number and Street
City/State/Zip Code
Telephone

() _____

9. Municipalities or Areas Served

Name of Municipality or Area	Population Served
Spruce Creek Preserve	536 Units = 1,018 Residents
Total Population Served	1,018 Residents

10. Reclaimed Water Reuse and Effluent Disposal

Method of Reuse or Disposal	Number of Reuse or Disposal Points	Total Design Capacity (mgd)	Basis of Design Flow
Surface Waters - Excluding Ocean Outfalls and Wetlands (Rule 62-600.510, F.A.C.)	0		
Ocean Outfalls (Rule 62-600.520, F.A.C.)	0		
Wetlands (Rule 62-600.620, F.A.C.)	0		
Reuse of Reclaimed Water and Land Application (Rule 62-600.530, F.A.C.)	1 Sprayfield	0.095 MGD	AADF
Ground Water Disposal by Underground Injection (Rule 62-600.540, F.A.C.)	0		
Other (Describe.)	0		
Total Item 7		0.095 MGD	

11. Number of Seasonal or Periodic Discharges

N/A

12. Flows to Another Wastewater Facility

- a. Does part of the facility's flow go into a collection/transmission system or reclaimed water distribution system under another responsible organization?

Yes No

b. If yes, which one? N/A

Collection/Transmission System
 Reclaimed Water Distribution System

c. Responsible Organization Receiving the Flow

Name
Number and Street N/A
City/State/Zip Code

d. Name of Facility Which Receives the Flow N/A

e. Facility Identification Number of Facility Which
Receives the Flow N/A

f. Average Daily Flow Discharged to the
Receiving Facility N/A

_____ mgd

13. Residuals Use or Disposal

a. Amount of Residuals Generated by the Facility

24.64 dry tons/year

b. Does this facility receive residuals from another
facility for further treatment and disposal?

Yes No

c. Method of Residuals Use or Disposal

Method	Number of Sites or Number of Receiving Facilities	Dry Tons Used or Disposed Per Year
Land Application (Chapter 62-640, F.A.C.)	N/A	N/A
Distribution and Marketing (Chapter 62-640, F.A.C.)		N/A
Landfill Disposal (Chapter 62-701, F.A.C.)	N/A	N/A
Incineration (Chapter 62-200 Series, F.A.C.)	N/A	N/A
Transport to Another Treatment Facility	N/A	N/A
Other (Describe.) Hauling, Stabilization, & Disposal by Private Residuals Hauling Company	N/A	24.64
Total		24.64

d. If residuals are transported to another facility for landfill disposal, incineration, or treatment, provide the facility name, Facility identification number and address.

N/A

Name
Facility Identification Number

Number and Street
City/State/Zip Code
County
Telephone

Treatment Codes for Receiving Facility

14. Permits and Applications

a. Expiration Date of Current NPDES Permit N/A

b. Expiration Date of Current DEP Permit N/A

c. Existing, Pending, or Denied Permits and Permit Applications

Issuing Agency	Permit Type	Permit Number	Date Filed	Date Issued	Date Denied	Date of Expiration
SWFWMD	C.U.P.		* / /	/ /	/ /	/ /
SWFWMD	MSSW		* / /	/ /	/ /	/ /
			/ /	/ /	/ /	/ /
			/ /	/ /	/ /	/ /

*Permit Applications being prepared.

d. Orders and Notices N/A

Type or Order or Notice	Issuing Agency	Date of Order or Notice
Notice or Violation		
Consent Order		
Administrative Order		
Other (Describe.)		

SECTION 2. TREATMENT FACILITY DESCRIPTION

1. Description

Treatment Operations consist of flow equalization followed by biological treatment using activated sludge followed by clarification, filtration, and then disinfection. Residual liquid hauled for stabilization and disposal by others.

2. Treatment Codes

<u>S</u>	<u>JS</u>	<u>WNA</u>	<u>WN</u>	<u>N</u>
<u>FS</u>	<u>PH</u>	<u>LN</u>	<u>IR</u>	<u>H</u>
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—

3. Design Capacity of the Treatment Facility

Current Design Capacity
Proposed Incremental Design Capacity
Proposed Total Design Capacity

0 mgd
+ 0.095 mgd
= 0.095 mgd

4. Basis of Design Flow

- Annual Average Daily Flow
- Maximum Monthly Average Daily Flow
- Three-Month Average Daily Flow
- Other

If other, specify.

5. Design Treatment Levels

Parameter	Effluent Concentration	Units	Basis	Percent Removal
pH	6.5 - 8.5	Standard Units		
CBOD ₅	≤ 20	mg/L	AADF	90%
TSS	< 5	mg/L	AADF	97.5%
Fecal Coliform	*			

*Non-detectable in 75% of daily samples and less than 25/100 ml at all times

6. Disinfection Level Provided

- Low-level
- Basic
- Intermediate
- High-level
- High-level Alternative

If the facility disinfects by chlorination and the discharge is to surface waters, is dechlorination provided? N/A

Yes No

7. Residuals Treatment

a. Class of Residuals

- Class AA (Rule 62-640.850, F.A.C.)
- Class A (Rule 62-640.600, F.A.C.)
- Class B (Rule 62-640.600, F.A.C.)
- Other

If other, describe.

Residuals to be stabilized and
disposed of by private company.

b. Parameter Concentrations

- Total Nitrogen
- Total Phosphorus
- Total Potassium
- Cadmium N/A
- Copper
- Lead
- Nickel
- Zinc
- pH
- Total Solids
- Other Parameters (Describe.)

- _____ % dry weight
- _____ % dry weight
- _____ % dry weight
- _____ mg/kg dry weight
- _____ mg/kg dry weight
- _____ mg/kg dry weight
- _____ mg/kg dry weight
- _____ mg/kg dry weight
- _____ standard units
- _____ %

Date of Sample N/A

_____/_____/_____

8. Reliability Class

- Class I
- Class II
- Class III
- Other Equivalent Reliability

SECTION 3. A. DISCHARGES TO SURFACE WATERS (including wetlands)

1. Discharge Serial Number and Name

Discharge Serial Number	N/A	_____
Discharge Name		_____
Previous Discharge Serial Number		_____

2. Discharge Location

County	N/A	_____
City or Town (if applicable)		_____
Street or Description		_____

Latitude		_____ °N
Longitude		_____ °W
Dates Coordinates Determined		____/____/____
Method Used to Obtain Coordinates		_____

3. Discharge Operating Dates

Discharge Start Date	N/A	____/____/____
Discharge End Date		____/____/____

Reason for Discontinuing the Discharge

4. Design Capacity of the Outfall

Current Design Capacity	N/A	_____ mgd
Proposed Incremental Design Capacity		+ _____ mgd
Proposed Total Design Capacity		= _____ mgd

5. Basis of Design Flow

N/A	_____ Annual Average Daily Flow
	_____ Maximum Monthly Average Daily Flow
	_____ Three-Month Average Daily Flow
	_____ Other

If other, specify.

6. Basis for Effluent Limitations

N/A

- TBEL
- Level I WQBEL
- Level II WQBEL
- Other

If other, specify.

Date Effluent Limitations Established

7. Discharge Point Description

N/A

- Ocean
- Stream
- Estuary
- Lake
- Wetland
- Other

If other, specify.

8. Receiving Waterbody Name

N/A

9. Type of Receiving Waterbody

N/A

- Fresh
- Brackish or Marine

10. Classification of Receiving Waterbody

N/A

- Class I
- Class II
- Class III
- Class IV
- Class V

Is the receiving waterbody contiguous to, or identified as, an Outstanding Florida Water (OFW) or an Outstanding National Resource Water?

Yes No

If yes, name and locate on a USGS map.

11. Outfall Information

N/A

Description of Outfall and Diffuser

Construction Materials

Length From Shore

Diameter

Discharge Depth Below Water Surface

Receiving Water Bottom Depth Below Water Surface

- _____ feet
- _____ inches
- _____ feet
- _____ feet

12. Surface Water Improvement and Management (SWIM) N/A

a. Will the discharge affect any SWIM plan waterbodies? Yes No

b. If yes, name the waterbody. _____

c. Has the SWIM plan been approved by a water management district and the Department? Yes No

d. If yes, attach documentation that the proposed discharge is consistent with the SWIM plan.

13. Additional Information Required for Seasonal or Periodic Discharges N/A

Frequency
Duration
Volume
Occurrence

_____ Times Per Year
_____ Days
_____ Thousand Gallons Per Incident

	Jan		May		Sep
	Feb		Jun		Oct
	Mar		Jul		Nov
	Apr		Aug		Dec

14. Additional Information Required for Limited Wet Weather Discharges Permitted in Accordance with Rule 62-610.860, F.A.C.

a. Downstream Waterbody N/A

Name of nearest downstream lake, estuary, reservoir, OFW, or Class I water. Show location on a USGS map.

Downstream Waterbody Description

- Ocean
- Stream
- Estuary
- Lake
- Wetland
- Other

If other, specify.

Serial Number _____

Classification of Downstream Waterbody N/A

- ___ Class I
- ___ Class II
- ___ Class III
- ___ Class IV
- ___ Class V

Distance Downstream

_____ miles

Average Flow Velocity During
Anticipated Periods of Discharge

_____ feet per second

Travel Time During Anticipated
Periods of Discharge

_____ hours

b. Rainfall Information

Rainfall Gauging Station Location N/A

Period of Record Analyzed:

Beginning Year

Ending Year

Number of Years

Average Annual Rainfall

_____ inches per year

c. Simulation of Operation of the Reuse,
Storage, and Limited Wet Weather Discharge N/A
for an Average Rainfall Year

Year Simulated

Annual Rainfall During Average Year

_____ inches

Number of Days Limited Wet Weather Discharge
is Used During Average Rainfall Year (N)

_____ days

Percent of the Days of the Year that the
Limited Wet Weather Discharge will Occur
During Average Rainfall Year (P)

_____ %

Note:

$$P = [(N) / (365)] \times 100\%$$

P cannot exceed 25% or be less than 1%.

d. Reclaimed Water Quality (maximum monthly average)

CBOD,
TKN (as Nitrogen)

N/A

_____ mg/L

_____ mg/L

e. Minimum Acceptable Stream Dilution Factor (SDF) N/A

Note:
SDF = P(0.085 x CBOD₅ + 0.272 x TKN - 0.484)
The values for CBOD₅ and TKN should be in terms of maximum monthly average limitations as provided in 14.d. above. The value of P should be as calculated in 14.c. above.

f. Adjusted Stream Dilution Factor N/A

Note:
If the travel time shown in 14.a., above, is less than 24 hours, provide the adjusted minimum acceptable stream dilution factor.
Adjusted SDF = SDF x (24 hours)/(travel time in hours)

15. Additional Information Required for Wetland Discharges

a. Is the wetland a jurisdictional wetland (i.e. within the landward extent of waters as defined in Rule 62-301.400, F.A.C., or isolated and not owned entirely by one person, or owned entirely by the State)? N/A

 Yes No

b. Will the wetland be used as a treatment wetland or receiving wetland? N/A

 Treatment
 Receiving

If the wetland is to be used as a treatment wetland, attach documentation showing ownership or the applicant's legal interest in the treatment wetland.

c. If the wetland is to be used for treatment, identify the type. N/A

 Man-made
 Hydrologically Altered
 Unaltered

d. Is the wetland herbaceous or woody? N/A

 Herbaceous
 Woody

e. Identify the classification of surface waters within the wetland. N/A

 Class I
 Class II
 Class III
 Class IV
 Class V

f. Are the waters within the wetland part of an OFW? N/A

 Yes No

16. Operational Data N/A

a. Description of Influent and Effluent

Parameter	Influent		Effluent				
	Annual Average	Annual Average	Lowest Monthly Average	Highest Monthly Average	Frequency of Analysis	Number of Analyses	Sample Type
Flow mgd							
pH Units							
Fecal Coliform Bacteria Number/100 mL							
CBOD 5-day mg/L							
Chlorine Total Residual mg/L							
Total Suspended Solids mg/L							
Ammonia (as N) mg/L							
Kjeldahl Nitrogen mg/L							
Nitrate (as N) mg/L							
Total Phosphorus (as P) mg/L							
Dissolved Oxygen mg/L							

a. Description of Influent and Effluent (continued) N/A

Parameter	Influent		Effluent				
	Annual Average	Annual Average	Lowest Monthly Average	Highest Monthly Average	Frequency of Analysis	Number of Analyses	Sample Type

b. Additional Wastewater Characteristics N/A

Parameter	Present	Parameter	Present	Parameter	Present
Bromide		Cobalt		Thallium	
Chloride		Chromium		Titanium	
Cyanide		Copper		Tin	
Fluoride		Iron		Zinc	
Sulfide		Lead		Algicides*	
Aluminum		Manganese		Chlorinated Organic Compounds*	
Antimony		Mercury		Oil and Grease	
Arsenic		Molybdenum		Pesticides*	
Beryllium		Nickel		Phenols	
Barium		Selenium		Surfactants	
Boron		Silver		Radioactivity*	
Cadmium					

* Provide specific compound or element as "Additional Information", if known.

SECTION 3. B. REUSE AND LAND APPLICATION SYSTEMS

1. Reuse or Land Application System Serial Number and Name

Reuse or Land Application System Serial Number

R001

Reuse or Land Application System Name

Spruce Creek Preserve Sprayfie

Previous Reuse or Land Application System Serial Number

N/A

2. Reuse or Land Application System Location

County

Marion

City or Town (if applicable)

N/A

Street or Description

Located north of the proposed
WWTF

Latitude

29 ° 02 ' 00 " N

Longitude

81 ° 18 ' 00 " W

Dates Coordinates Determined

1 / 31 / 96

Method Used to Obtain Coordinates

Scale, USGS Map

3. Reuse or Land Application System Operating Dates

System Operation Start Date

1 / 1 / 97System Operation End Date N/AReason for Discontinuing System Operation N/A

4. Design Capacity of the Reuse or Land Application System

Current Design Capacity

0 mgd

Proposed Incremental Design Capacity

+ 0.095 mgd

Proposed Total Design Capacity

= 0.095 mgd

5. Basis of Design Flow

 Annual Average Daily Flow Maximum Monthly Average Daily Flow Three-Month Average Daily Flow OtherIf other, specify. N/A

6. Underdrains and Perimeter Ditches

a. Is the reuse or land application system underdrained?

 Yes No

b. Are perimeter ditches used?

Yes No

If yes, will they be excavated to a depth N/A
 which will intersect the seasonal high ground
 water table or the ground water mound during
 any portion of the year?

Yes No

7. Type of Reuse or Land Application System

- Slow-rate land application system/restricted public access (Chapter 62-610, F.A.C., Part II)
- Slow-rate land application system/public access areas, residential irrigation, and edible crop irrigation (Chapter 62-610, F.A.C., Part III)
- Rapid-rate land application system (Chapter 62-610, F.A.C., Part IV)
- Absorption field system (Chapter 62-610, F.A.C., Part V)
- Overland flow system (Chapter 62-610, F.A.C., Part VI)
- Other land application system with additional levels of preapplication treatment (Rule 62-610.660, F.A.C.)
- Other land application system with lower levels of preapplication treatment (Rule 62-610.670, F.A.C.)

8. Application Areas and Rates

Site/Use Type/Major User	Area (acres)	Rate (inches/week)	Capacity (mgd)
Restricted Access Sprayfield	12.24	2	0.095
Total			

9. Additional Information Required for Reuse Systems Permitted Under Part III of Chapter 62-610, F.A.C.

a. Areas Irrigated

- N/A
- Residential lawns
- Golf courses
- Cemeteries
- Parks, playgrounds
- Landscape areas
- Highway medians, rights-of-way
- Edible crops
- Others

If other, specify.

Serial Number _____

b. Other Uses of Reclaimed Water N/A

- Toilet flushing
- Fire protection
- Construction dust control
- Aesthetic purposes (decorative ponds, fountains, etc.)
- Others

If other, specify.

c. How many hours per day, seven days per week, is or will an operator be on-site at the wastewater treatment facility? N/A

_____ hours per day

If the treatment facility is or will be staffed by an operator less than 24 hrs/day, describe the additional levels of reliability included within the treatment or reuse systems. (See Rule 62-610.462, F.A.C.)

d. For permit renewals, list the dates on which the operating protocols (as described in Rule 62-610.463, F.A.C.) were submitted to the Department and the date of the Department's approvals during the last five years. N/A

Date Submitted	Date Approved
/ /	/ /
/ /	/ /
/ /	/ /
/ /	/ /

e. For each site where edible crops are or will be irrigated with reclaimed water, describe the crops grown; the type of application system used; provisions for crop washing and for processing, if any; and provisions for control of public access, if any. (See Rule 62-610.475, F.A.C.)

N/A

SECTION 3. C. GROUND WATER DISPOSAL BY UNDERGROUND INJECTION

1. Underground Injection Well Facility Serial Number and Name

Underground Injection Well Facility Serial Number N/A
 Underground Injection Well Facility Name _____
 Previous Underground Injection Well Facility Serial Number _____

2. Underground Injection Well Facility Location N/A

County _____
 City or Town (if applicable) _____
 Street or Description _____

Latitude _____ ° _____ ' _____ "N
 Longitude _____ ° _____ ' _____ "W
 Dates Coordinates Determined _____ / _____ / _____
 Method Used to Obtain Coordinates _____

3. Underground Injection Well Facility DEP Identification Number or Permit Application Number N/A

4. Discharge Operating Dates N/A

Discharge Start Date _____ / _____ / _____
 Discharge End Date _____ / _____ / _____

Reason for Discontinuing the Discharge _____

5. Design Capacity of the Underground Injection Well Facility N/A

Current Design Capacity _____ mgd
 Proposed Incremental Design Capacity + _____ mgd
 Proposed Total Design Capacity = _____ mgd

6. Basis of Design Flow N/A

- _____ Annual Average Daily Flow
- _____ Maximum Monthly Average Daily Flow
- _____ Three-Month Average Daily Flow
- _____ Other

If other, specify. _____

SECTION 4. SCHEDULED IMPROVEMENTS AND SCHEDULES OF IMPLEMENTATION

1. Improvements Required N/A

a. Discharge Serial Numbers, Reclaimed Water Reuse or Land Application System Serial Numbers, and Underground Injection Well Facility Serial Numbers Affected

b. Authority Imposing Requirement N/A

- Local
 State
 Federal
 Developed by Applicant
 Other

If other, specify.

c. Improvement Description: N/A

3-character General Action Description

3-character Specific Action Descriptions

2. Implementation Schedule and Actual Completion Dates

Implementation Steps	Schedule	Actual Completion
a. Preliminary Plans Complete	2 / / 96	/ /
b. Final Plans and Specifications Complete	3 / / 96	/ /
c. Financing Complete	/ /	/ /
d. Site Acquired	/ /	/ /
e. Begin Construction	4 / / 96	/ /
f. End Construction	7 / / 96	/ /
g. Begin Reuse or Disposal	1 / / 97	/ /
h. Operational Level Attained	1 / / 97	/ /

SECTION 5. INDUSTRIAL WASTEWATER CONTRIBUTIONS

1. Significant Industrial User **N/A**

Name _____
 Number and Street _____
 City/State/Zip Code _____
 County _____

2. Primary Standard Industrial Classification Code **N/A**

3. Principal Product or Raw Material **N/A**

	Description	Quantity per Day	Units (See Table 3)
Product			
Raw Material			

4. Flow **N/A**

Volume _____ Gallons Per Day

Frequency Intermittent Continuous

5. Pretreatment Provided **N/A** Yes No

6. Characteristics of Wastewater **N/A**

Parameter Name	Value	Units

SECTION 6. ADDITIONAL INFORMATION REQUIRED FOR PERMIT RENEWALS

1. Have there been any modifications to the treatment facilities or reuse or disposal system, since the issuance of the current permit? If yes, describe on a separate sheet and attach. ___ Yes ___ No N/A

2. For limited wet weather discharges, have any modifications been made to the operation, frequency of discharge, or stream hydrology since the original limited wet weather discharge permit or the most recent permit. If yes, describe on a separate sheet and attach. ___ Yes ___ No ___ NA N/A

3. Have there been any violations during the last six months? If yes, describe on a separate sheet and attach. ___ Yes ___ No N/A

4. Have there been any treatment facility interferences due to the discharge of industrial wastewater to the treatment facility during the last six months? If yes, describe on a separate sheet and attach. ___ Yes ___ No N/A

5. Is there any enforcement action pending against these treatment, reuse, or disposal facilities? If yes, describe on a separate sheet and attach. ___ Yes ___ No N/A

6. Have all previous permit conditions, including pretreatment requirements, monitoring requirements, and operator attendance been complied with? If no, describe on a separate sheet and attach. ___ Yes ___ No N/A

7. For permit renewals involving a limited wet weather discharge permitted under Rule 62-610.860, F.A.C., list the number of days during each of the last five years that the limited wet weather discharge was used. Also, list the total annual rainfall for each year. N/A

Year	Number of Days Used	P (%)	Annual Rainfall (inches)
1.			
2.			
3.			
4.			
5.			
Total/Average			

8. For permit renewals involving a limited wet weather discharge permitted under Rule 62-610.860, F.A.C., provide the number of days during each of the last five years that the actual dilution ratio, as defined in Rule 62-610.860, F.A.C., was less than the minimum SDF and the number of months in which the monthly average CBOD₅ or TKN in the limited wet weather discharge exceeded the permit limitations. N/A

Year	Number of Days the Dilution Ratio Was Less Than SDF	Number of Months the Limits Were Exceeded	
		CBOD ₅	TKN
1.			
2.			
3.			
4.			
5.			

SECTION 7. ADDITIONAL INFORMATION REQUIRED FOR RESIDUALS/SEPTAGE MANAGEMENT FACILITIES

1. Location of Residuals Treatment Processes

N/A

(Describe in relation to the wastewater treatment processes.)

2. Type and Amount of Waste Treated at this Facility

N/A

Type	Amount (dry tons/day)	Amount (gallons/day)
Residuals	or	
Septage		
Food Establishment Sludge		
Portable Toilet Waste		
Holding Tank Waste		
Boat or Marina Waste		
Other (Describe.)	or	
Total	or	

Is the total amount estimated or actual?

Estimated
 Actual

3. Information on Treatment Facilities Transporting Residuals

N/A

a. DEP Permit Number

b. Facility Name

Number and Street
 City/State/Zip Code
 County
 Telephone

c. Facility Type

Type I
 Type II
 Type III

d. Amount of Residuals Received From This Facility N/A _____ dry tons/day or _____ gpd

Is this amount estimate or actual?

____ Estimated
____ Actual

e. Describe the treatment provided by this facility before transport. N/A

f. Parameter Concentrations

N/A

Total Nitrogen
Total Phosphorus
Total Potassium
Cadmium
Copper
Lead
Nickel
Zinc
pH
Total Solids
Other Parameters (Describe.)

____ % dry weight
____ % dry weight
____ % dry weight
____ mg/kg dry weight
____ mg/kg dry weight
____ mg/kg dry weight
____ mg/kg dry weight
____ mg/kg dry weight
____ standard units
____ %

Date of Sample

____ / ____ / ____

4. Describe the manifest system used for tracking residuals during transport from the facilities.

N/A

SECTION 8. DOCUMENTATION SUBMITTED

	Attached	
	Yes	No
1. General Application Requirements		
a. Process Flow Diagram	x	
b. Site Plan	x	
c. Location Map	x	
d. Agricultural Use Plan or Dedicated Site Plan		x
e. Capacity Analysis Report		x
f. Results of Whole Effluent Biological Toxicity Testing		x
g. Reuse Feasibility Study		x
h. Binding Agreements and Documentation of Controls on Individual Users of Reclaimed Water		x

	Yes	No
2. Additional Application Requirements for New Facilities and Modifications to Existing Facilities		
a. Preliminary Design Report	x	
b. Documentation of Compliance with Antidegradation Requirements		x
c. Public Service Commission Certification Number and Copy of Certificate or Order Number and Copy of Order		x
d. Letter from the Management and Storage of Surface Waters Permitting Agency		x
e. Request for Approval of Monitoring Plans for Discharge of Domestic Wastewater to Wetlands		x
f. Concurrent Application for Ground Water Disposal by Underground Injection		x
g. Application for Monitoring Plan Approval		x

	Yes	No
3. Additional Application Requirements for Permit Renewals N/A		
a. Operation and Maintenance Performance Report		
b. Reclaimed Water or Effluent Analysis Report		
c. Technical Evaluation of Need to Revise Local Pretreatment Limits		
d. Results of Mechanical Integrity Testing		

SECTION 9. CERTIFICATIONS

1. Certifications for Construction of New Facilities or Modifications to Existing Facilities

a. Applicant or Authorized Representative

I certify that the statements made in this application for a permit and all attachments are true, correct, and complete to the best of my knowledge and belief. I agree to retain the design engineer, or another professional engineer registered in Florida, to conduct on-site observation of construction, to prepare a notification of completion of construction, and to review record drawings for adequacy as referenced in Rule 62-620.630, F.A.C. Further, I agree to provide an appropriate operation and maintenance manual for the facilities pursuant to Rule 62-620.630, F.A.C., and to retain a professional engineer registered in Florida to examine (or to prepare or revise, if necessary) the manual. For projects regulated by Chapter 62-610, F.A.C., I agree to provide the additional operation requirements of that Chapter.


(Signature of Applicant or Authorized Representative)

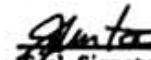
2/12/96
(Date)

Name (please type) Jay Thompson Company Name Spruce Creek South Utilities
Title Vice-President Company Address 17585 SE 102nd Avenue Inc.
Phone (904) 347-3700 City/State/Zip Code Summerfield, FL 34491

b. Professional Engineer Registered in Florida

I certify that the engineering features of this domestic wastewater project have been (designed) ~~(examined)~~ by me and found to conform to engineering principles applicable to such projects. In my professional judgement, this facility, when properly constructed, operated, and maintained, will comply with all applicable statutes of the State of Florida and rules of the Department. *

Name (please type) John Toomey, P.E.
Florida Registration Number 40264
Company Name Dyer, Riddle, Mills & Precourt, Inc.
Company Address 1505 East Colonial Drive
City/State/Zip Code Orlando, FL 32803
Phone Number (407) 896-0594

 2/11/96, 40264
(Seal, Signature, Date, and Registration Number)

c. Professional Engineer Registered in Florida N/A

I certify that this firm or individual has been retained by the applicant to prepare a notification of completion of construction, to prepare operation and maintenance manuals, and to review record drawings for adequacy as referenced in Rules 62-620.630, 62-600.717, and 62-600.720, F.A.C.

Name (please type) _____
Florida Registration Number _____
Company Name _____
Company Address _____
City/State/Zip Code _____
Phone Number (_____) _____

(Seal, Signature, Date, and Registration Number)

*Note: The above certification is for the WWTF design only and does not pertain to the effluent reuse system. Refer to

2. Certifications for Permit Renewals

N/A

a. Applicant or Authorized Representative

I certify that the statements made in this application for a permit and all attachments are true, correct and complete to the best of my knowledge and belief. I agree to operate and maintain these wastewater facilities in such a manner as to comply with the provisions of Chapter 403, F.S., Chapter 62-600, F.A.C., and all other applicable rules of the Department. Further, an appropriate operation and maintenance manual which has been examined by a professional engineer as certified below is available and located at _____ and can be submitted upon request as part of the permit procedure. A copy of the record drawings or other plans (as applicable) showing modifications to existing facilities, as referenced in Rule 62-600.717, F.A.C., is available at the same location. I also understand that a permit if granted by the Department, is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C., and I will notify the Department in accordance with this rule upon sale or legal transfer of the permitted facilities. In the event of abandonment or inactivation of the facilities, I will notify the Department and ensure that public health and safety are protected as required by Rule 62-620.610, F.A.C.

(Signature of Applicant or Authorized Representative)_____
(Date)

Name (please type) _____ Company Name _____
 Title _____ Company Address _____
 Phone _____ City/State/Zip Code _____

b. Professional Engineer

I certify that the engineering features of these domestic wastewater facilities have been examined by me and found to conform to engineering principles applicable to such projects. I certify that the operation and maintenance manual for these wastewater facilities has been prepared or examined by me or by individual(s) under my direct supervision and that there is reasonable assurance, in my professional judgement, that the facilities, when properly operated and maintained in accordance with this manual, will comply with all applicable statutes of the State of Florida and rules of the Department.

Name (please type) _____
 Florida Registration Number _____
 Company Name _____
 Company Address _____
 City/State/Zip Code _____
 Phone Number () _____

(Seal, Signature, Date, and Registration Number)

 *If signed by the authorized representative, attach a letter of authorization.



WASTEWATER PERMIT APPLICATION FORM 1 GENERAL INFORMATION

I IDENTIFICATION NUMBER:

Facility ID _____

II CHARACTERISTICS:

INSTRUCTIONS: Complete the questions below to determine whether you need to submit any permit application forms to the Department of Environmental Protection. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the blank in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements. See Section B of the instructions. See also, Section C of the instructions for definitions of the terms used here.

SPECIFIC QUESTIONS	YES	NO	FORM ATTACHED
A. Is this facility a domestic wastewater facility which results in a discharge to surface or ground waters?	X		X
B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters?		X	
C. Does or will this facility (other than those describe in A. or B.) discharge process wastewater, or non-process wastewater regulated by effluent guidelines or new source performance standards, to surface waters?		X	
D. Does or will this facility (other than those described in A. or B.) discharge process wastewater to ground waters?		X	
E. Does or will this facility discharge non-process wastewater, not regulated by effluent guidelines or new source performance standards, to surface waters?		X	
F. Does or will this facility discharge non-process wastewater to ground waters?	X		X
G. Does or will this facility discharge stormwater to surface waters?		X	
H. Is this facility a non-discharging/closed loop recycle system?		X	

III NAME OF FACILITY: (40 characters and spaces)

Spruce Creek Preserve Wastewater Treatment Facility

IV FACILITY CONTACT: (A. 30 characters and spaces)

A. Name and Title (Last, first, & title)	B. Phone (area code & no.)
Thompson, Jay, Vice-President	(904) 347-3700

V FACILITY MAILING ADDRESS: (A. 30 characters and spaces; B. 25 characters and spaces)

A. Street or P.O. Box: 17585 Southeast 102nd Avenue		
B. City or Town: Summerfield	State: FL	Zip Code: 34491

VI FACILITY LOCATION: (A. 30 characters and spaces; B. 24 characters and spaces; C. 3 spaces (if known); D. 25 characters and spaces; E. 2 spaces; F. 9 spaces)

A. Street, Route or Other Specific Identifier: S-1/2 Sec. 10, T17S, R23E		
B. County Name: Marion	C. County Code (if known):	
D. City or Town: Summerfield	E. State: FL	F. Zip Code: 34491

VII SIC CODES: (4-digit, in order of priority) N/A

1. Code #:	(Specify)	2. Code #:	(Specify)
3. Code #:	(Specify)	4. Code #:	(Specify)

VIII OPERATOR INFORMATION: (A. 40 characters and spaces; B. 1 character; C. 1 character (if other, specify); D. 12 characters; E. 30 characters and spaces; F. 25 characters and spaces; G. 2 characters; H. 9 characters)

A. Name: Jay Thompson		B. Is the name in VIII A. the owner? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
C. Status of Operator: F = Federal; S = State; P = Private; O = Other; M = Public (other than F or S)	(code) P	(specify) Private	D. Phone No.: (904) 347-3700
E. Street or P. O. Box: 17585 Southeast 102nd Avenue			
F. City or Town: Summerfield		G. State: FL H. Zip Code: 34491	

IX INDIAN LAND: Is the facility located on Indian lands? Yes: No:

X EXISTING ENVIRONMENTAL PERMITS: N/A

A. NPDES Permit No.	B. UIC Permit No.	C. Other (specify)	D. Other (specify)

XI MAP: Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII NATURE OF BUSINESS (provide a brief description)

To provide wastewater treatment service for Spruce Creek Preserve.

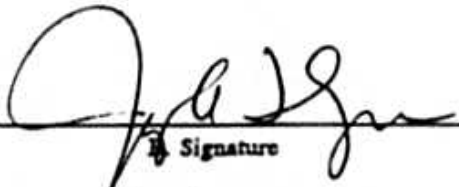
XIII CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Jay Thompson
A. Name (type or print)

Vice-President
Official Title (type or print)

Spruce Creek South Utilities, Inc.


Signature

2/12/96
C. Date Signed



PROJECT LOCATION MAP

R20E

T17S

T16S

PROJECT
LOCATION

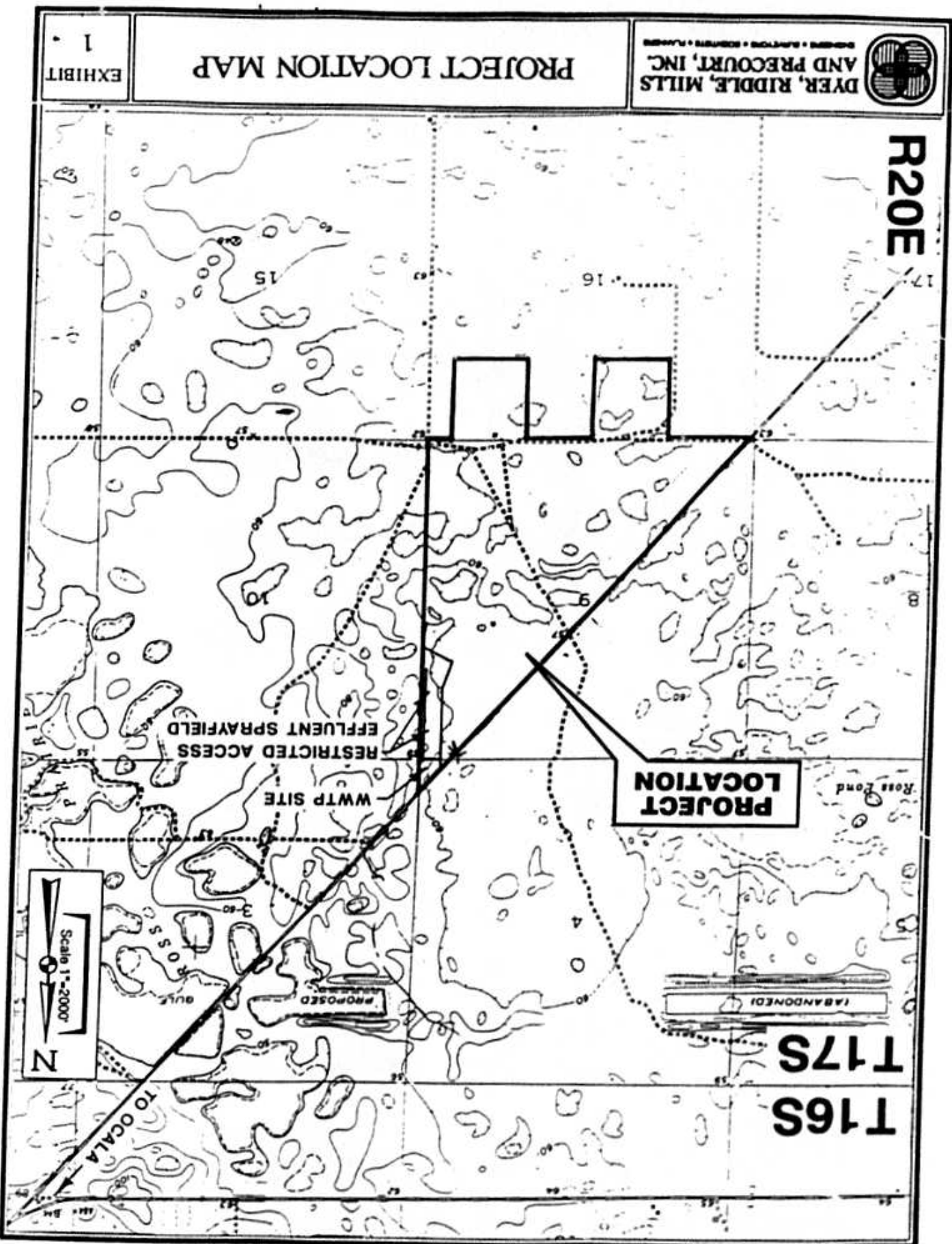
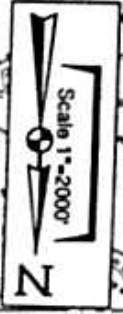
RESTRICTED ACCESS
EFFLUENT SPRAYFIELD
WTP SITE

PROPOSED

LABANDONED

Ross Road

TO OCALA



SPRUCE CREEK SOUTH UTILITIES, INC.

Application for Amendment of
Water and Wastewater Certificates

Legal Description of Proposed Territory

EXHIBIT B

SPRUCE CREEK SOUTH UTILITIES, INC.

DESCRIPTION OF TERRITORY SERVED

Description for Spruce Creek South Utilities, Inc. for Spruce Creek Preserve:

That portion of Section 4, Township 17 South, Range 20 East, Marion County, Florida, lying East of State Road No. 200, except the East 50 feet thereof.

and

That portion of Section 9, Township 17 South, Range 20 East, Marion County, Florida, lying east of State Road No. 200, less and except the East 50 feet of the North 1520 feet thereof;

and

The Northeast 1/4 of the Northeast 1/4 and the Northeast 1/4 of the Northwest 1/4 of Section 16, Township 17 South, Range 20 East, Marion County, Florida, less and except that portion conveyed in right-of-way deeds recorded in Official Records Book 1275 at Page 1293 and Official Records Book 798 at Page 32 of the Public Records of Marion County, Florida

Containing 416.01 acres, more or less.

SPRUCE CREEK SOUTH UTILITIES, INC.

Application for Amendment of
Water and Wastewater Certificates

Evidence of Utility's Right to Serve

EXHIBIT C

LEASE AGREEMENT

This Lease Agreement made and entered into this 21 day of March, 1996, by and between Spruce Creek Golf & Country Club, Inc., hereinafter referred to as "Lessor" and Spruce Creek South Utilities, Inc., hereinafter referred to as "Lessee".

WITNESSETH

WHEREAS, "Lessor" is the owner of that certain real property described in paragraph 2 below and the developer of SPRUCE CREEK PRESERVE, a single family residential subdivision located in Marion County, Florida, and

WHEREAS, "Lessee", is a water and sanitary sewer utility company certified and capable to provide central water and central sewer utility service to the homes located in SPRUCE CREEK PRESERVE by the Public Service Commission of the State of Florida, and

WHEREAS, "Lessee" desires to lease from "Lessor" and "Lessor" agrees to lease to "Lessee" that real property described in paragraph 2 below on which will be located a potable water well, chlorinated plant and water storage tank and a central sewage treatment facility, which will be owned by "Lessee" based upon the terms, covenants and conditions as provided for herein.

NOW THEREFORE, for and in consideration of the mutual terms, covenants and conditions as described herein and other good and valuable consideration, receipt of which each of the parties hereto acknowledge receiving from the other. The "Lessor" and the "Lessee" contract and agree as follows:

1. **LEASE OF THE PREMISES:** The "Lessor" hereby leases and lets unto the "Lessee" that real property described in paragraph 2 hereof.

2. **LEGAL DESCRIPTION:**

Legal Description for Wells and Water Plant Site
Spruce Creek Preserve

A tract of land situated in the Southeast 1/4 of Section 9, Township 17 South, Range 20 East, Marion County, Florida, being more particularly described as follows.

Commencing at the Southeast corner of Section 9, Township 17 South, Range 20 East, thence North 00 00'21" West along the East boundary thereof, 950.72 feet; thence departing said boundary proceed south 89 59'39" West, perpendicular to said boundary, a distance of 1523.53 feet to the Point of Beginning (P.O.B.). From said P.O.B. continue South 89 59'39" West, 210.00 Feet; thence North 00 00'21" West, 210.00 feet; thence North 89 59'39" East, 210.00 feet; thence South 00 00'21" East 210.00 feet to the Point of Beginning. Containing 1.01 acres more or less.

Legal Description of the Wastewater Treatment Plant Site,
Spruce Creek Preserve

A tract of land situated in that part of the Southeast 1/4 of Section 4 and that part of the Northeast 1/4 of Section 9, Township 17 South, Range 20 East, lying South and East of State Road No. 200 (100 feet wide), being more particularly described as follows.

Commencing at the Northeast corner of Section 9, Township 17 South, Range 20 East, proceed South 89 47'24" West along the North boundary thereof, 50.00 feet to the Point of Beginning (P.O.B.). From said P.O.B. proceed South 00 05'47" East along a line parallel to and 50.00 feet West of the East boundary of said Section 9, a distance of 29.00 feet; thence departing said East boundary, proceed South 89 47'24" West, parallel to the North boundary of said Section 9, a distance of 300.00 feet; thence North 00 05'47" West, 29.00 feet to said North boundary; thence continue North 00 05'47" West 11.51 feet to the Southeasterly right of way line of State Road No. 200; thence North 41 54'55" East along said Right-of-Way Line 447.68 feet; thence departing said Right-of-Way line, proceed South 00 09'31" East along a line parallel to and 50.00 feet West of the East boundary of Section 4, Township 17 South, Range 20 East, a distance of 343.55 feet to the Point of Beginning.

All being in Marion County, Florida and containing 1.85 acres more or less.

Legal Description of the Wastewater Effluent Sprayfield Site,
Spruce Creek Preserve

A tract of land situated in the Northeast 1/4 of Section 9, Township 17 South, Range 20 East, being more particularly described as follows.

Commencing at the Northeast corner of Section 9, Township 17 South, Range 20 East, proceed South 89 47'24" West along the North boundary of said Section 9, a distance of 50.00 feet; thence proceed South 00 05'47" East along a line parallel to, and 50.00 feet West of the East boundary of said Section 9, a distance of 29.00 feet to the Point of Beginning (P.O.B.) From said P.O.B., continue South 00 05'47" East along said parallel line, a distance of 1491.00 feet; thence North 89 47'24" East, 50.00 feet to said East boundary; thence South 00 05'47" East along said East boundary 400.00 Feet; thence departing said East boundary, proceed 400.00 feet; thence departing said East boundary, proceed North 03 31'53" West, 559.02 feet; thence North 18 20'19" East, 474.34 feet; thence North 00 05'47" West, 1190.31 feet; thence North 89 47'24" East, 300.00 feet to the Point of Beginning.

All being in Marion County, Florida and containing 13.68 acres more or less.

3. USE OF THE PREMISES: The "Lessee", is principles, officers, employees, agents and servants shall have access to and the right to utilize the above described premises for the purposes of providing, supplying and maintaining potable water and sanitary sewer to the individual residences located in SPRUCE CREEK PRESERVE.

4. TERM OF LEASE: The term of this lease shall be for ninety-nine (99) consecutive years commencing on the date and year first above written and terminating the date and year ninety-nine years hence, unless terminated by the "Lessee" purchasing from the "Lessor" the real property described in paragraph 2 above.

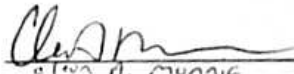
5. AD-VALOREM TAXES: The "Lessee" shall pay any and all Ad-Valorem taxes assessed to the premises on or before thirty (30) days prior to the taxes becoming delinquent. "Lessee" shall furnish to "Lessor", proof of payment of the aforementioned taxes.

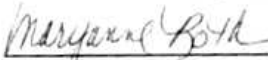
6. INSURANCE: The "Lessee" shall, at all time during the term of the Lease, maintain liability insurance coverage on the premises in amounts not less than \$500,000.00 per incident and \$1,000,000.00 per occurrence. "Lessee" shall provide to "Lessor", a copy of the insurance policy and/or Certificate of Insurance coverage evidencing the aforementioned coverage.


7. **TERMINATION OF LEASE:** This Lease Agreement may be terminated by either the "Lessor" or "Lessee" with out without cause upon ninety (90) days notice of its intent to terminate to the other.


8. **LAW OF GOVERNING:** This Lease Agreement shall be governed by and in accordance with the laws of the State of Florida.

WITNESSES:


Clara A. Manning


Maryanne Roth

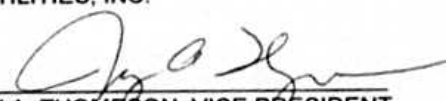

Clara A. Manning


Maryanne Roth

LESSOR:
SPRUCE CREEK GOLF & COUNTRY
CLUB, INC.

BY: 
HARVEY D. ERP, PRESIDENT

LESSEE:
SPRUCE CREEK SOUTH
UTILITIES, INC.

BY: 
JAY A. THOMPSON, VICE PRESIDENT

SPRUCE CREEK SOUTH UTILITIES, INC.

**Application for Amendment of
Water and Wastewater Certificates**

System Map

*Forwarded
to WAW*

EXHIBIT D

**ONE COPY OF THIS MAP WAS PROVIDED
TO THE CLERK AS REQUIRED BY RULE**

SPRUCE CREEK SOUTH UTILITIES, INC.

Application for Amendment of
Water and Wastewater Certificates

Proposed Territory Map

*Forwarded
to WAW*

EXHIBIT E

ONE COPY OF THIS MAP WAS PROVIDED
TO THE CLERK AS REQUIRED BY RULE

SPRUCE CREEK SOUTH UTILITIES, INC.

Application for Amendment of
Water and Wastewater Certificates

Proposed Tariff Sheets

EXHIBIT F

NAME OF COMPANY SPRUCE CREEK SOUTH UTILITIES, INC.

WATER TARIFF

(Continued from Sheet No. 3.3)

DESCRIPTION OF TERRITORY SERVED CONTINUED

Description for Spruce Creek South Utilities, Inc. for Spruce Creek Preserve:

That portion of Section 4, Township 17 South, Range 20 East, Marion County, Florida, lying East of State Road No. 200, except the East 50 feet thereof.

and

That portion of Section 9, Township 17 South, Range 20 East, Marion County, Florida, lying east of State Road No. 200, less and except the East 50 feet of the North 1520 feet thereof;

and

The Northeast 1/4 of the Northeast 1/4 and the Northeast 1/4 of the Northwest 1/4 of Section 16, Township 17 South, Range 20 East, Marion County, Florida, less and except that portion conveyed in right-of-way deeds recorded in Official Records Book 1273 at Page 1293 and Official Records Book 798 at Page 32 of the Public Records of Marion County, Florida

Containing 416.01 acres, more or less.

HARVEY D. ERP
ISSUING OFFICER

PRESIDENT
TITLE

NAME OF COMPANY SPRUCE CREEK SOUTH UTILITIES, INC.

WASTEWATER TARIFF

(Continued from Sheet No. 3.3)

DESCRIPTION OF TERRITORY SERVED CONTINUED

Description for Spruce Creek South Utilities, Inc. for Spruce Creek Preserve:

That portion of Section 4, Township 17 South, Range 20 East, Marion County, Florida, lying East of State Road No. 200, except the East 50 feet thereof.

and

That portion of Section 9, Township 17 South, Range 20 East, Marion County, Florida, lying east of State Road No. 200, less and except the East 50 feet of the North 1520 feet thereof;

and

The Northeast 1/4 of the Northeast 1/4 and the Northeast 1/4 of the Northwest 1/4 of Section 16, Township 17 South, Range 20 East, Marion County, Florida, less and except that portion conveyed in right-of-way deeds recorded in Official Records Book 1273 at Page 1293 and Official Records Book 798 at Page 32 of the Public Records of Marion County, Florida

Containing 416.01 acres, more or less.

HARVEY D. ERP
ISSUING OFFICER

PRESIDENT
TITLE

NAME OF COMPANY SPRUCE CREEK SOUTH UTILITIES, INC.

WATER TARIFF

(Continued from Sheet No. 3.3)

DESCRIPTION OF TERRITORY SERVED CONTINUED

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and

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and

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Containing 416.01 acres, more or less.

HARVEY D. ERP
ISSUING OFFICER

PRESIDENT
TITLE

NAME OF COMPANY SPRUCE CREEK SOUTH UTILITIES, INC.

WASTEWATER TARIFF

(Continued from Sheet No. 3.3)

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HARVEY D. ERP
ISSUING OFFICER

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TITLE

NAME OF COMPANY SPRUCE CREEK SOUTH UTILITIES, INC.

WATER TARIFF

(Continued from Sheet No. 3.3)

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and

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Containing 416.01 acres, more or less.

HARVEY D. ERP
ISSUING OFFICER

PRESIDENT
TITLE

NAME OF COMPANY SPRUCE CREEK SOUTH UTILITIES, INC.

WASTEWATER TARIFF

(Continued from Sheet No. 3.3)

DESCRIPTION OF TERRITORY SERVED CONTINUED

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and

That portion of Section 9, Township 17 South, Range 20 East, Marion County, Florida, lying east of State Road No. 200, less and except the East 50 feet of the North 1520 feet thereof;

and

The Northeast 1/4 of the Northeast 1/4 and the Northeast 1/4 of the Northwest 1/4 of Section 16, Township 17 South, Range 20 East, Marion County, Florida, less and except that portion conveyed in right-of-way deeds recorded in Official Records Book 1273 at Page 1293 and Official Records Book 798 at Page 32 of the Public Records of Marion County, Florida

Containing 416.01 acres, more or less.

HARVEY D. ERP
ISSUING OFFICER

PRESIDENT
TITLE

SPRUCE CREEK SOUTH UTILITIES, INC.

**Application for Amendment of
Water and Wastewater Certificates**

Affidavit of Noticing

EXHIBIT G

AFFIDAVIT

STATE OF FLORIDA

COUNTY OF LEON

Before me, the undersigned authority, authorized to administer oaths and take acknowledgements, personally appeared LYNN T. SALMON, who, after being duly sworn on oath, did depose on oath and say that she is the secretary of F. Marshall Deterding, attorney for Spruce Creek South Utilities, Inc. and that on March 26, 1996, she did send by certified mail, return receipt requested, a copy of the notice attached hereto to each of the utilities, governmental bodies, agencies, or municipalities, in accordance with the list provided by the Florida Public Service Commission, which is also attached hereto.

FURTHER AFFIANT SAYETH NAUGHT.


Lynn T. Salmon

Sworn to and subscribed before me this 26th day of March, 1996, by Lynn T. Salmon, who is personally known to me and who did (did not) take an oath.



JACQUELYN M. TRIBBLE
MY COMMISSION # CC464168 EXPIRES
June 5, 1999
BONDED THRU TROY FAH INSURANCE, INC.



Print Name Jacquelyn M. Tribble
NOTARY PUBLIC
My Commission Expires:

EXHIBIT G

NOTICE OF APPLICATION FOR EXTENSION OF SERVICE AREA

Pursuant to the provisions of Section 367.045, Florida Statutes, and the provisions of Florida Public Service Commission Rule 25-30.030, Notice is hereby given by Spruce Creek South Utilities, Inc., 17585 Southeast 102nd Avenue, Summerfield, Florida 34491, of its Application to extend its service area to provide water and sewer service to the following described lands in Marion County, Florida:

Description for Spruce Creek South Utilities, Inc. for Spruce Creek Preserve:

That portion of Section 4, Township 17 South, Range 20 East, Marion County, Florida, lying East of State Road No. 200, except the East 50 feet thereof.

and

That portion of Section 9, Township 17 South, Range 20 East, Marion County, Florida, lying east of State Road No. 200, less and except the East 50 feet of the North 1520 feet thereof;

and

The Northeast 1/4 of the Northeast 1/4 and the Northeast 1/4 of the Northwest 1/4 of Section 16, Township 17 South, Range 20 East, Marion County, Florida, less and except that portion conveyed in right-of-way deeds recorded in Official Records Book 1273 at Page 1293 and Official Records Book 798 at Page 32 of the Public Records of Marion County, Florida

Containing 416.01 acres, more or less.

Written objections of the above noted extension must be filed with the Director of the Division of Records and Reporting, Florida Public Service Commission, 2540 Shumard Oak Boulevard, Tallahassee, Florida 32399-0870, and a copy provided to F. Marshall Deterding, ROSE, SUNDSTROM & BENTLEY, 2548 Blairstone Pines Drive, Tallahassee, Florida 32301, no later than 30 days after the last date this notice was mailed or published whichever is later.

All PSC Regulated Utilities in Marion County

As of 03/25/1996

A. P. Utilities, Inc. WU592
3925 S.E. 45th Court, Suite E
Ocala, FL 34480-7431
Liaison: Philip D. Woods
Phone: (904) 694-7474

Astor West, Inc. WS004
% Mr. S. Ray Gill, P.A.
P. O. Box 337
Ocala, FL 34478-0337
Liaison: Selma J.R. Collins
Phone: (904) 732-8030

BFF Corp. SU595
P. O. Box 5220
Ocala, FL 34478-5220
Liaison: Charles De Menzes
Phone: (904) 622-4949
FAX: (904) 732-4366

C.F.A.T. H2O, Inc. WS719
P. O. Box 5220
Ocala, FL 34478-5220
Liaison: Ronald S. Chase
Phone: (305) 665-0763
FAX: (904) 732-4366

Countywide Utility Company WU008
P. O. Box 1476
Ocala, FL 34478-1476
Liaison: Dirk J. Leeward
Phone: (904) 245-7007
FAX: (904) 245-1144

Decca Utilities, a Division of Decca WS465
8865 S.W. 104th Lane
Ocala, FL 34481-3961
Liaison: James A. Bell
Phone: (904) 854-6210
FAX: (904) 854-2438

All PSC Regulated Utilities in Marion County

As of 03/25/1996

Eagle Springs Utilities, Inc. WU470
P. O. Box 1975
Silver Springs, FL 34489-1975
Liaison: Leonard (Len) B. Tabor
Phone: (904) 351-8800

Mr. Jim Burns
East Marion Sanitary Systems, Inc. SU535
% First Federal Bank of Osceola
200 East Broadway
Kissimmee, FL 34741-5791
Liaison: James W. Burns
Phone: (407) 846-3000
FAX: (407) 933-3374

Mr. Jim Burns
East Marion Water Distribution, Inc. WU536
% First Federal Bank of Osceola
200 East Broadway
Kissimmee, FL 34741-5791
Liaison: James W. Burns
Phone: (407) 846-3000
FAX: (407) 933-3374

Rate Regulation Department
General Development Utilities, Inc. WS402
(Silver Springs Shores Division)
2601 South Bayshore Drive
Miami, FL 33133-5461
Liaison: Peggy Haga
Phone: (904) 687-3033
FAX: (305) 859-4657

Linadale Water Company WU148
24901 S.E. County Highway 42
Umatilla, FL 32784-9144
Liaison: Fannie J. Shields
Phone: (904) 669-3589

Loch Harbour Utilities, Inc. WS151
P. O. Box 2100
Ocala, FL 34478-2100
Liaison: Joseph C. McCoun
Phone: (904) 732-2100
FAX: (904) 732-7718

All PSC Regulated Utilities in Marion County

As of 03/25/1996

Marion Utilities, Inc. WS160
710 N. E. 30th Avenue
Ocala, FL 34470-6460
Liaison: Tim E. Thompson
Phone: (904) 622-1171
FAX: (904) 622-6924

Ocala Oaks Utilities, Inc. WU174
1343 N.E. 17th Road
Ocala, FL 34470-4600
Liaison: Michael Ellzey
Phone: (904) 732-3504
FAX: (904) 732-3505

Pine Run Utilities, Inc. WU337
8865 S.W. 104th Lane
Ocala, FL 34481-8961
Liaison: James A. Bell
Phone: (904) 854-6210
FAX: (904) 854-2438

Mr. Stephen G. Mehallis
Quail Meadow Utilities, Inc. WU532
2477 East Commercial Blvd.
Ft. Lauderdale, FL 33308-4041
Liaison: Stephen G. Mehallis
Phone: (305) 491-1722
FAX: (305) 772-7584

Rainbow Springs Utilities, L.C. WS199
P. O. Box 1850
Dunnellon, FL 34430-1850
Liaison: Lowell D. Smallridge
Phone: (904) 489-5264
FAX: (904) 465-0275

Residential Water Systems, Inc. WU370
3041 N.E. Jacksonville Road, Suite 8
Ocala, FL 34479-3332
Liaison: C. Elaine Finney
Phone: (904) 351-3051
FAX: (904) 351-4649

All PSC Regulated Utilities in Marion County

As of 03/25/1996

S & L Utilities, Inc. SU327
P. O. Box 4186
Ocala, FL 34478-4186
Liaison: Charles Fletcher, Jr.
Phone: (904) 694-3057

Sateke Utilities, Inc. WS212
606 S.W. 2nd Avenue
Ocala, FL 34474-4215
Liaison: Edgar S. Roberts
Phone: (904) 622-4141
FAX: (904) 622-4143

Mr. David Small
Silver City Utilities WU362
355 Princes Street
Kincardine, Ontario, N2Z 2
Liaison: David Small
Phone: (519) 396-2658

Southern States Utilities, Inc. WS487
1000 Color Place
Apopka, FL 32703-7753
Liaison: Brian P. Armstrong
Phone: (407) 880-0058
FAX: (407) 880-1395

Spruce Creek South Utilities, Inc. SU653
17585 S.E. 102nd Avenue
Summerfield, FL 34491-6920
Liaison: Harvey D. Erp
Phone: (904) 347-3700
FAX: (904) 347-7737

Spruce Creek South Utilities, Inc. WU591
17585 S.E. 102nd Avenue
Summerfield, FL 34491-6920
Liaison: Harvey D. Erp
Phone: (904) 347-3700
FAX: (904) 347-7737

All PSC Regulated Utilities in Marion County

As of 03/25/1996

Steeplechase Utility Company, Inc. WS598
% Stonecrest
11048 S.E. 176th Place Road
Summerfield, FL 34491-6693
Liaison: L. Hall Robertson, Jr.
Phone: (904) 245-2770
FAX: (904) 245-5798

Sun Communities Operating Limited Partnership WS746
31700 Middlebelt Road, Suite 145
Farmington Hills, MI 48334
Liaison: Jose A. Diez-Argulles
Phone: (904) 224-9634

Sunshine Utilities of Central Florida, Inc. WU239
10230 S.E. Highway 25
Belleview, FL 34420-5531
Liaison: James H. Hodges
Phone: (904) 347-8228
FAX: (904) 347-6915

Tradewinds Utilities, Inc. WS350
P. O. Box 5220
Ocala, FL 34478-5220
Liaison: Charles de Menzes
Phone: (904) 622-4949
FAX: (904) 732-4366

Utilities, Inc. of Florida SU661
200 Weathersfield Avenue
Altamonte Springs, FL 32714-4099
Liaison: Donald Rasmussen
Phone: (407) 869-1919
FAX: (407) 869-6961

Utilities, Inc. of Florida WU443
200 Weathersfield Avenue
Altamonte Springs, FL 32714-4099
Liaison: Donald Rasmussen
Phone: (407) 869-1919
FAX: (407) 869-6961

All PSC Regulated Utilities in Marion County

As of 03/25/1996

Venture Associates Utilities Corp. WU512
2661 N.W. 60th Avenue
Ocala, FL 34482-3933
Liaison: Arthur F. Tait
Phone: (904) 854-0408
FAX: (904) 854-8092

Windstream Utilities Company WU385
P. O. Box 4201
Ocala, FL 34478-4201
Liaison: Sharon (Shari) Dlouhy
Phone: (904) 620-8290
FAX: (904) 620-8688

All Governmental Entities in Marion County

As of 03/25/1996

Clerk, Board of County Commissioners, Marion County
P. O. Box 1030
Ocala, FL 32678-1030
FAX: (904) 620-3344

Mayor, City of Belleview
5343 S.E. Abshier Blvd.
Belleview, FL 34420-3904
FAX: (904) 245-6532

Mayor, City of Dunnellon
12014 South Williams Street
Dunnellon, FL 34432
FAX: (904) 465-0829

Mayor, City of Ocala
P. O. Box 1270
Ocala, FL 32678-1270

Mayor, Town of McIntosh
P. O. Box 165
McIntosh, FL 32664-0165
FAX: (904) 591-1047

Mayor, Town of Reddick
P. O. Box 203
Reddick, FL 32686-0203
Phone: (904) 591-1332

DEP CENTRAL DISTRICT
3319 MAGUIRE BLVD., SUITE 232
ORLANDO, FL 32803-3767

DEP SOUTHWEST DISTRICT
3804 COCONUT PALM DRIVE
TAMPA, FL 33619

S.W. FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET
BROOKSVILLE, FL 34609-6899

ST. JOHNS RIVER WTR. MANAGEMENT DISTRICT
P.O. BOX 1429
PALATKA, FL 32178-1429

WITHLACOOCHEE PLANNING COUNCIL
1241 S.W. 10TH STREET
OCALA, FL 32674

SPRUCE CREEK SOUTH UTILITIES, INC.

**Application for Amendment of
Water and Wastewater Certificates**

Proof of Publication

LATE FILED EXHIBIT H

SPRUCE CREEK SOUTH UTILITIES, INC.

Application for Amendment of
Water and Wastewater Certificates

Affidavit

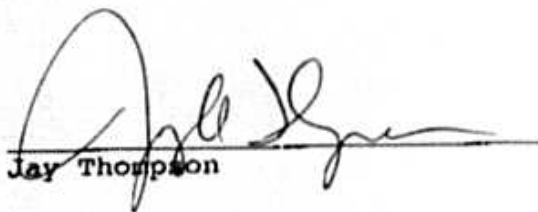
EXHIBIT I

A F F I D A V I T

STATE OF FLORIDA)
COUNTY OF Marion)

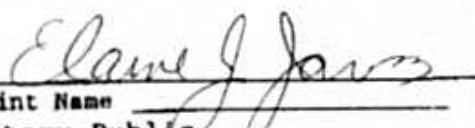
BEFORE ME, the undersigned authority, authorized to administer oaths and take acknowledgements, personally appeared Jay Thompson, Vice President of SPRUCE CREEK SOUTH UTILITIES, INC., who after being duly sworn, did depose on oath and say that SPRUCE CREEK SOUTH UTILITIES, INC. does currently have tariffs and annual reports on file with the Florida Public Service Commission.

FURTHER AFFIANT SAYETH NOT.


Jay Thompson

STATE OF FLORIDA)
COUNTY OF Marion)

The foregoing instrument was acknowledged before me this 25th day of March, 1996, by Jay Thompson, who is personally known to me or who has produced _____ as identification and who did (did not) take an oath.


Print Name _____
Notary Public
State of Florida at Large
My Commission Expires:



ELAINE J. JAROSZ
MY COMMISSION # CC455314 EXPIRES
June 11, 1999
BONDED THRU TROY FAIR INSURANCE, INC.