

STATE OF FLORIDA

Commissioners:  
JULIA L. JOHNSON, CHAIRMAN  
J. TERRY DEASON  
SUSAN F. CLARK  
DIANE K. KIESLING  
JOE GARCIA



DIVISION OF LEGAL SERVICES  
NOREEN S. DAVIS  
DIRECTOR  
(850) 413-6199

Public Service Commission

November 5, 1997

Cleatus J. Simmons, Esquire  
Lowndes, Drosdick, Doster, Kantor & Reed, P.A.  
P.O. Box 2809  
Orlando, Florida 32802

STAFF SECOND SET OF  
DATA REQUESTS

RE: Docket No. ~~971126~~ SU - Application for approval of reuse project plan and increase in wastewater rates in Seminole County by Sanlando Utilities Corporation.

Dear Mr. Simmons:

By this letter, we are requesting that Sanlando Utilities Corporation (Sanlando or utility) provide us with responses to the following second set of data requests.

- 35. By Order No. 23809, the Commission required the utility to set aside \$25,008 annual water revenues for water conservation programs. By Order No. PSC-92-1356-FOF-WS, the Commission acknowledged the utility's report showing that conservation expenditures were \$22,140.25 for 1991 and \$18,051.63 for 1992, for a total of \$40,191.88. What is the status of the \$25,008 set-aside for the years 1993 through 1996?
- 36. Is there any cost involved to place the existing percolation ponds back in service?
- 37. Will any plant be retired as a result of the addition of this reuse project?
- 38. The 1996 NARUC Uniform System of Accounts will be effective 1/1/98 for water and wastewater utilities under the Commission's jurisdiction. Is the utility prepared to place the reuse plant costs in the new reuse accounts?
- 39. Why was the entire cost of the reuse project placed in just two plant accounts, as shown on Exhibit A, Schedule 4, page 3 of 25 of the MFRs?

ACK \_\_\_\_\_  
 AFA \_\_\_\_\_  
 APP \_\_\_\_\_  
 CAF \_\_\_\_\_  
 CMU \_\_\_\_\_  
 CTR \_\_\_\_\_  
 EAG \_\_\_\_\_  
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 OTH \_\_\_\_\_

DOCUMENT NUMBER - DATE  
 11477 NOV -66  
 FPSC-RECORDS/REPORTING

Cleatous J. Simmons, Esquire

Page 2

November 5, 1997

40. Why did the utility use the 1/8 of O&M approach for working capital when Rule 25-30.433(2), F.A.C., requires Class A utilities to use the balance sheet approach?
41. Why is the utility including \$20,000 of unamortized rate case expense in rate base?
42. Please provide a summary of rate case expense to date, along with an estimate of rate case expense to complete the PAA process. Please also provide supporting documents.
43. Why is the utility allocating utility plant land and general plant, along with accumulated depreciation general plant, to the reuse project when those costs should have been covered in the utility's last rate case?
44. The utility is adding \$23,015 in salaries for this reuse project. What will the responsibilities be for the additional person(s) earning that salary? Will any "employee benefits" be added?
45. Why isn't the company using the actual amount of depreciation expense for the reuse project instead of mixing with the existing plant and allocating depreciation?
46. Why is the utility calculating the difference in the 1996 regulatory assessment fees with total revenue requirement instead of using the pro forma revenue requirement x 4.5%?
47. Does the utility have a commitment for the 9% loan, and if so, with whom?
48. Why is the utility requesting \$79,667 of AFUDC in utility plant when it is requesting that the entire pro forma plant be included in rate base?
49. Why is the utility requesting O&M expenses in the initial rates when the reuse plant will not be on line until the year 1999 or 2000?
50. Why is the utility reducing the wastewater system revenue requirement and putting the difference in the reuse system?
51. Why is the utility not including any additional payroll taxes on the \$23,015 in additional salary for the reuse project?

Cleatous J. Simmons, Esquire  
Page 3  
November 5, 1997

52. Why are no new tangible personal property taxes included in the utility's application for the new reuse plant?
53. Referring to Exhibit "A", Schedule 4, Page 1 of 25 of the MFRs, please explain how the return requirement in column 3 was calculated.
54. Why did the utility use the test year ending December 31, 1996, instead of a projected test year?
55. Please provide supporting Schedules A, B, C, D, E, F, G, and H.
56. Referring to Exhibit "A", Schedule 4, Page 3 of 25, Line 22 of the MFRs, why hasn't land cost been adjusted to match the amount approved by Order No. 23809?
57. Please provide the calculations used to determine the operation and maintenance costs on Exhibit "A" of the MFRs, Schedule 4, Page 6 of 25, Col. 3, rows 20, 24, 25, 26, 27, 28, 29, 30, and 31.
58. In Docket No. 900338-WS, a *proposed* Escrow Agreement regarding the Conservation Plan was filed on December 29, 1993. Please provide a copy of the final Escrow Agreement.

Please file the original and five copies of the requested information by Friday, December 5, 1997, with Ms. Blanca Bayo, Director, Division of Records and Reporting, 2540 Shumard Oak Boulevard, Tallahassee, Florida, 32399-0850. Please feel free to call Troy Rendell at (850) 413-6934 or me at (850) 413-6224 if you have any questions.

Sincerely,

  
Rosanne Gervasi  
Senior Attorney

RG/dr

cc: Division of Records and Reporting  
Division of Water and Wastewater (Bethea, Casey, Crouch, Golden, Moniz, Rieger,  
Willis, Xanders)  
Division of Auditing and Financial Analysis (Jones, Maurey)

STATE OF FLORIDA

Commissioners:  
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Public Service Commission

November 5, 1997

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Lowndes, Drosdick, Doster, Kantor & Reed, P.A.  
P.O. Box 2809  
Orlando, Florida 32802

STAFF SECOND SET OF  
DATA REQUESTS

RE: Docket No. 971186-SU - Application for approval of reuse project plan and increase in wastewater rates in Seminole County by Sanlando Utilities Corporation.

Dear Mr. Simmons:

By this letter, we are requesting that Sanlando Utilities Corporation (Sanlando or utility) provide us with responses to the following second set of data requests.

- 35. By Order No. 23809, the Commission required the utility to set aside \$25,008 annual water revenues for water conservation programs. By Order No. PSC-92-1356-FOF-WS, the Commission acknowledged the utility's report showing that conservation expenditures were \$22,140.25 for 1991 and \$18,051.63 for 1992, for a total of \$40,191.88. What is the status of the \$25,008 set-aside for the years 1993 through 1996?
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 OTH \_\_\_\_\_

DOCUMENT NUMBER - DATE  
 1-1477 NOV-65  
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Cleatous J. Simmons, Esquire  
Page 3  
November 5, 1997

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55. Please provide supporting Schedules A, B, C, D, E, F, G, and H.
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Sincerely,

  
Rosanne Gervasi  
Senior Attorney

RG/dr

cc: Division of Records and Reporting  
Division of Water and Wastewater (Bethea, Casey, Crouch, Golden, Moniz, Rieger, Willis, Xanders)  
Division of Auditing and Financial Analysis (Jones, Maurey)

## **Exhibit A**

**BASE OPTION:** The total capital cost to install treatment, storage, pumping and distribution facilities for the selected option is estimated at \$1.8 million. This assumes approximately 1.1 MGD to the golf courses, 0.4 MGD to the existing percolation ponds and another 0.2 MGD of untreated influent pumped to Altamonte Springs for reuse. We presently send that flow to Altamonte under an existing agreement. See page 2 for a cost breakdown of this option.

**100% REUSE OPTION:** The total additional capital cost to install treatment, storage, pumping and distribution facilities for this option is estimated at \$5.7 million. This option assumes that flow to the percolation ponds would be curtailed and flow to Altamonte Springs would continue. Flow distribution would therefore be 1.1 MGD to the golf courses, 0.2 MGD of untreated influent pumped to Altamonte Springs for reuse, and 0.9 MGD to the various facilities outlined on the cost breakdown—page 3 of this exhibit.

See attachment 1 to this exhibit for a map showing the areas described in the 100% reuse option summary.

# Reclaimed Water Analysis

12/5/97

Sanlando Utilities Corporation

## Base Option Summary

Golf Course Irrigation Only

## Quantity Summary (GPD)

Site	Quantity
Sweetwater Country Club	359,000
Wekiva Golf Course	291,000
Sabal Point Golf Course	451,000
Altamonte Springs	200,000
Percolation Ponds	400,000
<b>FIX THESE NUMBERS</b>	<b>1,701,000</b>
Facility ADF	2,200,000
<b>Excess Flow</b>	<b>499,000</b>

## Cost Summary

Element	Cost
<b>Golf Courses</b>	
Sweetwater Country Club	\$ 431,000
Wekiva Golf Course	\$ 90,300
Sabal Point Golf Course	\$ 216,400
Golf Course Contingency @ 10%	\$ 73,770
<b>Golf Course Subtotal</b>	<b>\$ 811,470</b>
<b>Plant Improvements</b>	
Plant Improvements	\$ 682,500
Misc. and Contingency @ 15%	\$ 102,375
<b>Plant Improvements Subtotal</b>	<b>\$ 784,875</b>
<b>Services and Fees</b>	<b>\$ 174,040</b>
<b>Total Base Cost</b>	<b>\$ 1,770,385</b>

# Reclaimed Water Analysis

12/5/97

Sanlando Utilities Corporation

## 100 % Reuse Option Summary

### Additional Irrigation

### Quantity Summary (GPD)

Element	Units	GPD
<b>Residential @ 400GPD per Lot</b>		
Wekiva Southern Extension (1,2,3,4,5,8,)	903	361,200
Wekiva Western Extension (A,B,C,D,E,G)	1,035	414,000
<b>Schools @ 30% x 3000 GPD per Acre</b>		
Wekiva Elementary	14.4	12,960
Sabal Elementray	13.3	11,970
<b>Apartment Complexes @ 15% x 3000 GPD per Acre</b>		
Sabal Site 12A	16.0	14,400
Sabal Site 14	18.4	16,560
Sabal Site 14A	17.8	16,020
Wekiva	15.5	13,950
<b>Miscellaneous</b>		
Hunt Club Median @ 3000 GPD per Acre	7.0	21,000
Power Easement @ 3000 GPD per Acre	15.0	45,000
Wekiva Park @ 50% x 3000 GPD per Acre	5.5	8,250
<b>Total Additional Reuse</b>		<b>935,310</b>

### Cost Summary

Element	Cost
Additional Distribution and Transmission Piping	3,772,148
Additional Plant Improvements	1,207,500
Additional Services and Fees	725,091
<b>100% Reuse Additional System Cost</b>	<b>5,704,739</b>

File: Reuse.xls

Sheet: 100% Reuse Option

SANLANDO UTILITIES CORPORATION  
DOCKET NO. 971186-SU

FLORIDA PUBLIC SERVICE COMMISSION  
DOCUMENT / RECORD REQUEST

Respondent: Guastella Associates, Inc.

RE: Rosanne Gervasi (FPSC) Letter dated October 27, 1997

#4. Staff's Data Request. Section 367.0817(3), Florida Statutes, allows the Commission to allocate the costs of a reuse project among the utility's water, wastewater or reuse customers, or any combination thereof. In its filing, the utility recognizes the benefits of reuse to the water customers. Please explain why the utility did not consider allocating any of the costs to the water customers.

Utility's Response: A vast majority of the utilities' water customers (over 75%) are also wastewater customers. Along with the fact, that quantifying the benefits and associated costs of effluent reuse to water customers is difficult and can be relatively costly. The Utility, in order to keep this filing cost efficient and because there is so little distinction between the two universes of customers, believes allocating a portion of the costs of the reuse facilities to water customers is unwarranted in this case.

Respondent: Guastella Associates, Inc.

RE: Rosanne Gervasi (FPSC) Letter dated October 27, 1997

#5. Staff's Data Request. Please explain the purpose of the last three columns in Schedules 4 and 5. Specifically, please explain the following:

- a. Who are the disposal customers?
- b. Who are the other customers?

Utility's Response:

The "Other" column on Schedules 4 and 5 represents Sanlando Utilities Corporation's cost of providing the existing sewer service (exclusive of the costs allocated to either effluent disposal or reuse) based on December 31, 1996 operating results. The "Effluent Reuse" columns represent the cost of effluent disposal or reuse. The columns labeled "Irrigation" and "Disposal", under the "Effluent Reuse" heading, breakdown the cost of providing effluent reuse service between the existing sewer service ("Disposal") customers and the potential golf course ("Irrigation") customers.

The "Disposal" customers and the "Other" customers represent the same customer group, which is the existing sewer customers. The purpose of the "Disposal" column is to share the cost of the new effluent reuse project between the existing sewer service customers and the potential irrigation customers. Sharing the project costs is necessary to set rates that are reasonable and not cost prohibitive for any one customer group.

The "EFFLUENT DISPOSAL CUSTOMERS" rates would be added to the current existing rates in order to recover the cost of providing the existing sewer service and their share of the new effluent reuse service. The "IRRIGATION CUSTOMERS" rates would be charged to potential new customers using effluent for irrigation purposes, which would recover their share of the new effluent reuse service.

SANLANDO UTILITIES CORPORATION  
DOCKET NO. 971186-SU

FLORIDA PUBLIC SERVICE COMMISSION  
DOCUMENT / RECORD REQUEST

Respondent: Sanlando Utilities Corporation

RE: Rosanne Gervasi (FPSC) Letter dated October 27, 1997

#6. Staff's Data Request. Please provide any correspondence, not included in your filing, from SJRWMD about requiring the golf courses to use reclaimed water when it becomes available. In addition, please provide copies of any correspondence between the utility and the DEP regarding the DEP's requirement that the utility implement reuse.

Utility's Response: See Exhibit "B" attached hereto.

SANLANDO UTILITIES CORPORATION  
DOCKET NO. 971186-SU

FLORIDA PUBLIC SERVICE COMMISSION  
DOCUMENT / RECORD REQUEST

Respondent: Sanlando Utilities Corporation

RE: Rosanne Gervasi (FPSC) Letter dated October 27, 1997

#7. Staff's Data Request. What is the status of the utility's DEP and WMD permit applications?

Utility's Response.

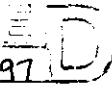
As to the DEP permit application, the DEP has issued an intent to issue the permit and a protest has been filed by citizens. An Administrative Hearing on the protest filed was originally scheduled for the week of December 8, 1997. A continuance to April 1, 1998 has been granted. We expect that the permit will be issued shortly after the hearing date.

As to the Water Management District Permit, the Sanlando Consumptive Use Permit was approved and issued on November 11, 1997. A copy is attached as Exhibit C.



# Sanlando Utilities CORPORATION

October 29, 1997

10/29/97 

Dwight Jenkins  
Division of Water Use Regulation  
Saint Johns River Water Management District  
P.O. Box 1429  
Palatka, FL32178-1429  
**VIA FAX AND US MAIL**

Re: CUP 2-117-0006UR Renewal  
Review of Draft Staff Report

Dear Mr. Jenkins:

1. Thank you for the opportunity to comment on the draft report and for the time you took on Monday to discuss it with me. You might be interested to know that we received the certified copy on October 27, 1997 as well. Following are comments on those items that we discussed.

- a) Page 1, PREVIOUSLY PERMITTED USE: Please change 21.5 mgy to mgd.
- b) Page 1, USE STATUS: We recommend including the actual percentage of decrease in allocation (23% for 1997 to 2004 and 22% for 1997 to 2007).
- c) Page 2, Sanlando's Water Supply System: Please change Des Pinar Wells from "four" to "five". We added well K (our 2B) in 1996—a 400 feet deep 16" well cased to 161 feet. It does not have a pump installed at this time.
- d) Page 4, V. Spring Flow, first bullet: Same comment as USE STATUS. Please include the actual percentage reductions.
- e) Page 4, CONSERVATION: Please change "Annual Water Audit and meter survey" to "Annual Water Audit and meter survey as required".
- f) Page 4, CONSERVATION: Please clarify that the "Leak Detection Program" is not a leak detection survey resulting from excessive unaccounted for water.
- g) Page 4, REUSE, paragraph (b): After "...ponds" add "and restricted access irrigation".
- h) Page 5, first paragraph: The percent reuse identified with each plant is incorrect. All golf course reuse will come from the Wekiva plant. As we discussed, we do send a portion of our Des Pinar flows to Altamonte Springs for reuse and our percolation ponds and spray irrigation are classified as reuse. While construction on Montgomery Road has temporarily halted the flow to Altamonte, we normally average approximately 0.2 MGD from Des Pinar to Altamonte.

i) Page 5, first paragraph: The projected 2007 golf course reuse numbers were taken from our permit application. These numbers were based on old consumptive use permit data. Now that we are in the design phase we have acquired more recent permits and EN-50 data. We recommend that these reuse numbers be changed to reflect current permit data and actual withdrawals.

j) Page 5, second paragraph: We are concerned about the requirement to provide reclaimed to golf courses by January 1, 2000. Specifically we are concerned about what consequences, if any, will result if, through no fault of Sanlando, we are unable to comply. As we discussed, we intend to complete design and proceed with construction of the reuse facility and lines. We are committed to and expect to be fully capable of providing reuse by the required date. We do not expect the protest of our wastewater permit to prevent or delay reuse implementation. However, it may. Also, there is an additional step required—approval of reuse rates by the Public Service Commission (PSC). As you know, a protest by our ratepayers was what prevented us from implementing reuse under our old wastewater permit. We have already submitted a reuse rate application but it has not completed review and action by the PSC. It is certainly possible that it will be protested and may delay establishing the rates necessary to begin charging the golf courses.

k) Pages 5 and 6, Well Information: Please include the 5<sup>th</sup> well for Des Pinar—well K (our 2B), a 400 feet deep 16" well cased to 161 feet, added in 1996. It does not have a pump installed at this time. Also, wells G and H are 12 inch diameter. Please correct.

l) Page 6, Other conditions 3 through 7: As we discussed, we have concerns over using these subcategories and limiting flow within them. Specifically, we are concerned with limiting (or, for that matter establishing an allowable limit for) unaccounted for water. Also with respect to maximum days, you are using the projected maximum days we provided in our permit application. They were projected from average days using a 1995-96 average peaking factor of 1.734. While this provides a reasonable basis for predicting maximum days, we would not expect it to be used as a permitted maximum. As an example, in 1989, 1990, and 1992 we experienced maximum days of 16.695 MGD, 17.424, MGD and 16.484 MGD—all exceeding your proposed permitted maximum day. It is our understanding that there is no specific minimum flow or level, or other hydrogeological factor that would necessitate limiting our maximum day. Further, because the permit is for withdrawal of the resource we would expect that annual withdrawal is what should be limited. As we discussed, we request that you consolidate conditions 3-6 into total annual withdrawal or average day numbers for the entire system and eliminate condition 7, the maximum day restriction.

m) Page 8, Condition 10: As we discussed, it takes at least 4 months to resolve problems associated with billing errors and meters. You will note on our water audit form that we track minor adjustments for several months after any given month. We request that you change the required submittal date to May 31 to allow for the majority of the adjustments necessary to make the audit more accurate.

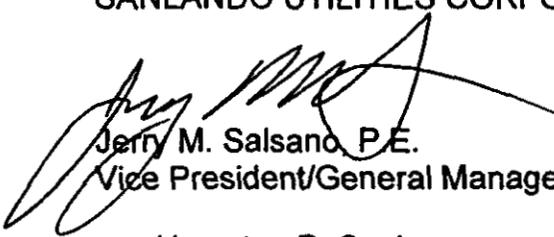
n) Page 8, Condition 11: We discussed this issue above for the second paragraph on Page 5. We recommend including the following sentence at the end of the paragraph.

"If the golf courses are not provided reuse water by the required date, a quarterly report must be submitted detailing the reason(s) for the delay and steps being taken to correct the problem(s). This report will be due beginning on January 31, 2000, and quarterly thereafter (Jan. 31, Apr. 30, Jul. 31 and Oct. 31) until reuse is provided."

2. As we discussed, we do wish to address the board and request a 10-year permit in lieu of the staff's recommendation for 7 years. We understand that our permit will be on the agenda beginning at 1:00 p.m. on November 11, 1997. If you have any questions please call me.

Sincerely,

SANLANDO UTILITIES CORPORATION



Jerry M. Salsano, P.E.  
Vice President/General Manager

cc: Hampton P. Conley  
Scotty Haws  
CPH Orlando

POST OFFICE BOX 1429

PALATKA, FLORIDA 32178-1429

TELEPHONE 904-329-4500

SUNCOM 904-860-4500

TDD 904-329-4450

TDD 904-860-4500

FAX (Executive) 329-4125

(Legal) 329-4485

(Permitting) 329-4316 (Communication/Finance) 329-4508

SERVICE CENTERS

618 E. South Street  
Orlando, Florida 32801  
407-897-4300  
TDD 407-897-5960

7775 Baymeadows Way  
Suite 102  
Jacksonville, Florida 32256  
904-730-6270  
TDD 904-448-7900

PERMITTING:  
305 E. 10th Ave.  
Melbourne, Florida 32904  
407-484-4940  
TDD 407-722-5368

OPERATIONS:  
975 N. Wickham Road  
Melbourne, Florida 32935-8109  
407-752-3100  
TDD 407-752-3102

SANLANDO UTILITIES CORP.

**WATER  
MANAGEMENT  
DISTRICT**

Certified Mail Number: P 248 747 814

SANLANDO UTILITIES CORPORATION  
ATTN: JERRY M SALSANO  
P O BOX 3884  
LONGWOOD, FL 32791

RE: NOTICE OF BOARD CONSIDERATION OF PERMIT APPLICATION  
NUMBER 2-117-0006AUR2 IN Seminole COUNTY

Enclosed is a copy of the technical staff report (TSR) which states that staff will recommend approval of the application with the conditions as stated in the TSR.

This TSR constitutes a notice of District intent to grant the permit application. If you disagree with any part of the TSR, you should immediately contact the District staff to discuss your concerns. Please refer to the enclosed Notice of Rights that your rights and important time frames regarding the proposed District action.

You are entitled to address the Governing Board concerning the application. However, whether you do so or not is solely your decision.

The Governing Board will consider this application at 1:00 p.m. November 11, 1997, or as soon thereafter as it may come onto be heard at: St. Johns River Water Management District, Palatka, FL 32178. Agenda items scheduled for action on November 11, 1997, may be postponed for consideration at the Governing Board meeting which begins at 9:00 a.m. on November 12, 1997.

Sincerely,

*Gloria Lewis*

Gloria Lewis, Director  
Division of Permit Data Services

October 23, 1997

cc: District File  
Lynn-Minor  
CONKLIN, PORTER & HOLMES ENGINEERING

William M. Segal, CHAIRMAN  
MAYLAND

Dan Roach, VICE CHAIRMAN  
FERNANDINA BEACH

James T. Swann, TREASURER  
COCOA

Otis Mason, SECRETARY  
ST. AUGUSTINE

Kathy Chinoy  
JACKSONVILLE

Griffin A. Greene  
VERO BEACH

James H. Williams  
OCALA

Patricia T. Harden  
SANFORD

**CONSUMPTIVE USE TECHNICAL STAFF REPORT**  
Household, Commercial/Industrial, Urban Landscape irrigation,  
and Water Utility Type Use  
October 22, 1997  
2-117-0006AUR2

**OWNER/  
APPLICANT:** Sanlando Utilities Corporation  
P.O. Box 3884  
Longwood, Florida 32791  
Attention: Hampton P. Conley

**PROJECT NAME:** Sanlando Utilities

**SERVICE AREA:** 8,320 acres

**LOCATION:** Seminole County

Section/Township/Range:

Sec.01/T21S/ R29E

Sec.02/T22S/R29E

Sec.05/T22S/R29E

Sec.35/T22S/R29E

Sec.36/T22S/R29E

**WATER USE:**

**Requested Use:** 3,670.08 mgy (10.06 mgd) for public supply (146 gpcpd for an estimated population of 56,982 in the year 2011)

**Recommended Use:** 3,544.53 mgy (9.71 mgd) for public supply (146 gpcpd for an estimated population of 55,027 in the year 2004)

**PREVIOUSLY PERMITTED USE:** This is a renewal and modification of permit number 2-117-0006. Previous permit was for the use of 21.5 (mgy) of ground water from the Floridan aquifer to serve an estimated population of 63,253 people in 1997. \*

**AUTHORIZED USE:**

Use of ground water from the Floridan aquifer to supply an estimated population of 55,027 people in 2004 with water for household, commercial/industrial, irrigation, and water utility type uses.

**USE STATUS:** This is a renewal of a previously issued permit with a request for a modification. The requested modification consists of a reduction in allocation.

	<u>Present (1997)</u>	<u>7 years (2004)</u>
Total population served:	53,139	55,027
Household Type average		
daily use (mgd):	7.73	8.01
Average gpcpd (household):	146	146
Accounted for Water utility (mgd):	0.012	0.012
Unaccounted for Water Utility (mgd):	0.469	0.486
Use classification:	2,922.56 mgy	Household type use (82%)
	183.60 mgy	Commercial/industrial type use (5%)
	256.60 mgy	Urban landscape type use (7%)
	<u>181.77 mgy</u>	Total water utility type use (6%)
	3,544.53 mgy	total

**STAFF COMMENTS:**

Background

Sanlando Utilities Corporation ("Sanlando") is a privately owned public water supply utility with a 8,320 acre service area that is located in the northwest portion of Seminole County (Exhibit A). Sanlando currently serves a population of approximately 53,139 people. Water use within the service area is predominately household type use (82%), along with commercial/industrial (5%) and large urban landscape irrigation type water use (7%). The area served by Sanlando is a highly developed, urban area located in central Florida (Exhibit B). As such, Sanlando has indicated that there is very little room for additional growth within the service area and has estimated that water use within the service area will grow at only 0.5% per year.

Sanlando's Water Supply System

Sanlando's public water supply system consists of three water treatment plants and eleven Floridan aquifer wells that are located at three wellfields (Exhibits C-F). The three plants and associated wellfields are the Des Pinar (a/k/a Woodlands), Knollwood, and Wekiva facilities. The Des Pinar wellfield has four Floridan aquifer wells; the Knollwood wellfield has two Floridan aquifer wells; and the Wekiva wellfield has five Floridan aquifer wells. No new wells are proposed as part of this application.

Water Use Trends

Historically, water use within Sanlando's service area has been fairly static due to the builtout nature of the service area. Since 1990, estimated population within the service area has fluctuated between a low of 52,413 people and a high of 55,718 people. Because there has been no clearly defined upward trend in water use from 1990, Sanlando used the projections furnished to the District for the District's Needs and

Sources initiative to estimate future water needs within the service area. These projections indicate a projected annual growth of 0.5% and an average peaking factor of 1.734 to predict maximum daily usage. District staff have reviewed these projections and believe that the use of these projections is a reasonable approach for the purpose of estimating water use within the service area. Using this approach, Sanlando estimates a population of 55,027 in the year 2004.

### Permit Application Review

Section 373.223, Florida Statutes and Section 40C-2.301, Florida Administrative Code require an applicant to establish that the proposed use of water is:

- (a) a reasonable-beneficial use;
- (b) will not interfere with any presently existing legal use of water; and,
- (c) is consistent with the public interest.

In addition, the above requirements are further interpreted in the District's Applicant's Handbook: Consumptive Uses of Water, October 20, 1997. District staff have reviewed Sanlando's consumptive use permit application pursuant to the above described requirements and have determined that the application meets the conditions for issuance of this permit. The staff's review of pertinent specific criteria for evaluation are discussed below.

I. **Groundwater Resources:** All the applicant's withdrawals will be from the Floridan aquifer. Although this project is located within a Priority Water Resource Caution Area as identified in the District's 1994 Water Supply Needs and Sources Assessment report, staff has determined that this project will not adversely impact ground water resources in the subject area as the applicant is requesting a reduction in the amount of water over the amount currently allocated in the existing permit (the 2007 yearly allocation will be less than that allocated in the previous permit for 1990). In addition, as stated above, there will be very little growth in water use in the service area over the next ten years (only 5%). Finally, Sanlando will be required as a condition of this permit to provide reclaimed water to three nearby golf courses during the term of this permit, further reducing existing groundwater withdrawals in the subject area.

II. **Surface Water Resources:** Since the applicant will only be using water from the Floridan aquifer, a confined aquifer system, the staff has determined that this project will not adversely impact any surfacewater sources. Staff has also determined that this project will not cause any minimum flows or levels to be exceeded.

III. **Saline Water Intrusion:** The nearest source of saline water within the Floridan aquifer lies approximately 4 miles to the north of Sanlando's wellfields. Based on the static nature of this project, the staff has determined that Sanlando's withdrawals will not significantly contribute to, or cause, saline water intrusion.

IV. **Wetland Impacts:** The staff has concluded that the proposed withdrawals will not cause or contribute to wetland impacts.

V. **Spring Flow:** This project lies within the Wekiva River subbasin, and is close to springs which have been identified as having a potential to be impacted by the year 2010. These springs include Wekiva, Rock, Miami, Sanlando, Starbuck, Palm, and Seminole. Although these springs are not currently experiencing flow problems, the District's Needs and Sources Assessment has identified that proposed increases in groundwater withdrawals between 1988 and 2010 are projected to cause the discharge of these springs to fall below the minimum discharges set forth in Chapter 40C-8, Florida Administrative Code. Staff considered the following in reviewing impacts of the proposed use of spring flow:

- This project will have little or no additional impact on the flow from these springs since water use within the service area is nearly static. In addition, the application reflects a significant decrease in the permitted annual allocation over the current permitted amount (from 4,617.3 mgd in 1997 to 3,544.53 mgd in 2004).
- Sanlando will be required, as a condition of this permit, to provide reclaimed water to three nearby golf courses during the term of this permit, further reducing existing groundwater withdrawals affecting spring flow.

Based on all these considerations, the staff concludes that the proposed use will not adversely impact spring flow within the subject area and will not cause minimum flows and levels to be violated.

VI. **Existing Legal Users:** The staff does not anticipate any impacts to existing legal users as there are no users of the Floridan aquifer near Sanlando's wells.

**CONSERVATION:** The applicant is proposing to implement, or has already implemented, the following water conservation measures.

- Consumer and Employee Education
- Promotes the installation of Water Savings Devices
- Annual Water Audit and meter survey
- Annual Meter Calibration
- Implementation of a Leak Detection Program
- Implementation of a Reuse Program

**REUSE:** Sanlando collects and treats wastewater at two, existing, wastewater treatment facilities, the Wekiva Hunt Club and Des Pinar facilities. Sanlando currently discharges all the wastewater generated within its service area from these two facilities as follows:

- (a) Wekiva Hunt Club - 100% to Sweetwater Creek which ultimately discharges to the Little Wekiva River.
- (b) Des Pinar - 100% to on-site percolation ponds.

As part of this application, Sanlando is proposing to implement a reclaimed water reuse system. Sanlando will be sending reclaimed water to three nearby golf courses, the Sabal Point, Sweetwater Country Club, and Wekiva golf courses. Reuse will be implemented as shown in Exhibit F. Based on this schedule, Sanlando will be reusing 25% of the wastewater from the Wekiva Hunt Club facility and 100% of the wastewater from the Des Pinar facility within 5 years, with an increase to 50% at the Wekiva facility within ten years. Volumes of reclaimed water to be reused by the year 2007 are approximately 0.451 mgd at Sabal Point, 0.359 mgd at Sweetwater Country Club, and 0.291 at the Wekiva golf course. \*

Sanlando currently has an application pending with the FDEP regarding its wastewater permit. However, this permit has been formally challenged by several parties including the Sweetwater Oaks Homeowners' Association. The challenge does not directly involve issues related to the implementation of reuse but, instead, concerns issues regarding potential water quality impacts to Sweetwater Creek. Since representatives of Sanlando have stated that they are confident Sanlando will be able to proceed with implementation of the reuse project as scheduled, the staff is recommending that the permit be issued with a limiting condition that requires Sanlando to begin providing reclaimed water to the golf courses by January 1, 2000. As part of the staff's review of this project, the District staff have discussed this matter with the staff of the Public Service Commission ("PSC") and informed the PSC that the District plans to offer support for this requested rate increase.

**PERMIT DURATION:** Section 6.5.1 of the Applicant's Handbook: Consumptive Uses of Water, October 20, 1996, provides that individual consumptive use permits shall have a duration of 10 years unless the Governing Board determines that a different permit duration is warranted based on a consideration and balancing of factors listed in section 6.5.3. Based on the consideration and balancing of these factors, the staff is recommending a duration for this permit of 7 years because the District is completing development of a regional water supply plan that will recommend specific actions to meet existing and future water use through the year 2020 in the region, consistent with protection of established minimum flows and levels. The staff is recommending that the duration of this permit be limited to 7 years in consideration of this planning process and to allow for the timely implementation of any recommendations regarding this use.

**WELL INFORMATION:**

Well No	Casing Diameter	Total Depth	Existing/Proposed	Source Aquifer	Type Use
Des Pinar:					
A	10/8"	925'	Existing	Floridan	Public Supply
B	16"	500'	Existing	Floridan	Public Supply
C	12"	420'	Existing	Floridan	Public Supply

D	12"	420'	Existing	Floridan	Public Supply
Knollwood:					
E	6"	830'	Existing	Floridan	Public Supply
F	10"	550'	Existing	Floridan	Public Supply
Wekiva:					
G	12" 10"	479'	Existing	Floridan	Public Supply
H	12" 12"	554'	Existing	Floridan	Public Supply
I	16"	560'	Existing	Floridan	Public Supply
J	18 "	925'	Existing	Floridan	Public Supply
K	16"	550'	Existing	Floridan	Public Supply

**RECOMMENDATION:** Approval

**GENERAL** (See Condition Sheet): 1 - 9, 12 - 14

**SPECIAL** (see Condition Sheet): 9, 11, 35, 36, 37

**OTHER CONDITIONS:**

1. All submittals made to demonstrate compliance for this permit must include the CUP number of 2-117-0006AUR2 plainly labeled.
2. This permit will expire November 11, 2004.
3. Maximum annual groundwater withdrawals for household type use must not exceed:
  - 2,822.18 million gallons in 1997,
  - 2,836.42 million gallons in 1998,
  - 2,850.29 million gallons in 1999,
  - 2,864.89 million gallons in 2000,
  - 2,879.12 million gallons in 2001,
  - 2,893.36 million gallons in 2002,
  - 2,907.96 million gallons in 2003 and
  - 2,922.56 million gallons in 2004.
4. Maximum annual groundwater withdrawals for commercial/industrial type use must not exceed:
  - 177.03 million gallons in 1997,
  - 178.12 million gallons in 1998,
  - 178.85 million gallons in 1999,
  - 179.95 million gallons in 2000,

180.68 million gallons in 2001,  
181.77 million gallons in 2002,  
182.50 million gallons in 2003 and  
183.60 million gallons in 2004.

5. **Maximum annual groundwater withdrawals for urban irrigation type use must not exceed:**  
247.84 million gallons in 1997,  
249.30 million gallons in 1998,  
250.39 million gallons in 1999,  
251.49 million gallons in 2000,  
252.95 million gallons in 2001,  
254.04 million gallons in 2002,  
255.50 million gallons in 2003 and  
256.60 million gallons in 2004.
6. **Maximum annual groundwater withdrawals for Water Utility type use (both accounted and unaccounted for) must not exceed:**  
175.60 million gallons in 1997,  
176.30 million gallons in 1998,  
177.39 million gallons in 1999,  
178.12 million gallons in 2000,  
178.85 million gallons in 2001,  
179.95 million gallons in 2002,  
180.68 million gallons in 2003 and  
181.77 million gallons in 2004.
7. **Maximum daily groundwater withdrawals use must not exceed:**  
16.260 million gallons in 1997,  
16.341 million gallons in 1998,  
16.423 million gallons in 1999,  
16.505 million gallons in 2000,  
16.588 million gallons in 2001,  
16.671 million gallons in 2002,  
16.754 million gallons in 2003 and  
16.838 million gallons in 2004.
8. **The permittee must continue to implement the District approved alternative method for measuring flow using the plant master meters. This alternative method must continue to document that this alternative method meets the Districts requirement of being 90% accurate and the accuracy must be verifiable. If the alternative method does not meet the 90% accuracy and verifiability requirements, the permittee must use totalizing flow meters or another District approved alternative method for recording water use.**

9. The permittee must continue compliance with the Water Conservation Plan submitted to the District on February 11, 1997 and all supplements in accordance with the schedule contained therein and/or as refined in conditions of this permit. The permittee must maintain a log of those activities completed as part of the plan. A report, detailing the progress of plan implementation, must be submitted to the District on or before May 1, 1999.
10. The permittee must begin conducting and submitting annual water audits, using the audit form provided by the District. The annual audits must span a 12-month period from January 1 through December 31 and be submitted to the District by January 31 for each year of permit duration.
11. The permittee must implement the reuse program as described in its consumptive use permit application submitted to the District on February 11, 1997. Pursuant to this reuse program, the permittee must begin sending reclaimed water to the golf courses identified in the application by January 1, 2000. By January 1, 1999, the permittee must submit, to the District, a report summarizing the status of the reuse project. This report must address implementation dates for the project and must include a breakdown of projected reuse volumes for each recipient, by year, for the duration of this permit.
12. The lowest quality water source, such as reclaimed water and surface/storm water, must be used to supply water use needs within the service area supplied by Sanlando Utility Corporation whenever it is deemed feasible pursuant to District rules and applicable state law.

JENKINS

City

Debary Deltona

Osteen

Sanford

Lake Mary

Location of Project

Longwood

Winter Springs

Altamonte Springs

Casselberry

Oviedo

Maitland

Winter Park

SEMINOLE COUNTY

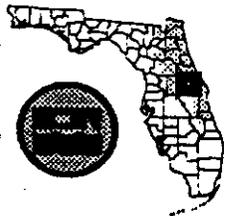
Orlando

Belle Isle

Edgewood

Sanlando Utilities

2-117-0006AUR



1 0 1 Miles



Scale 1:266190

Text City Names



Area of Interest

Exhibit A

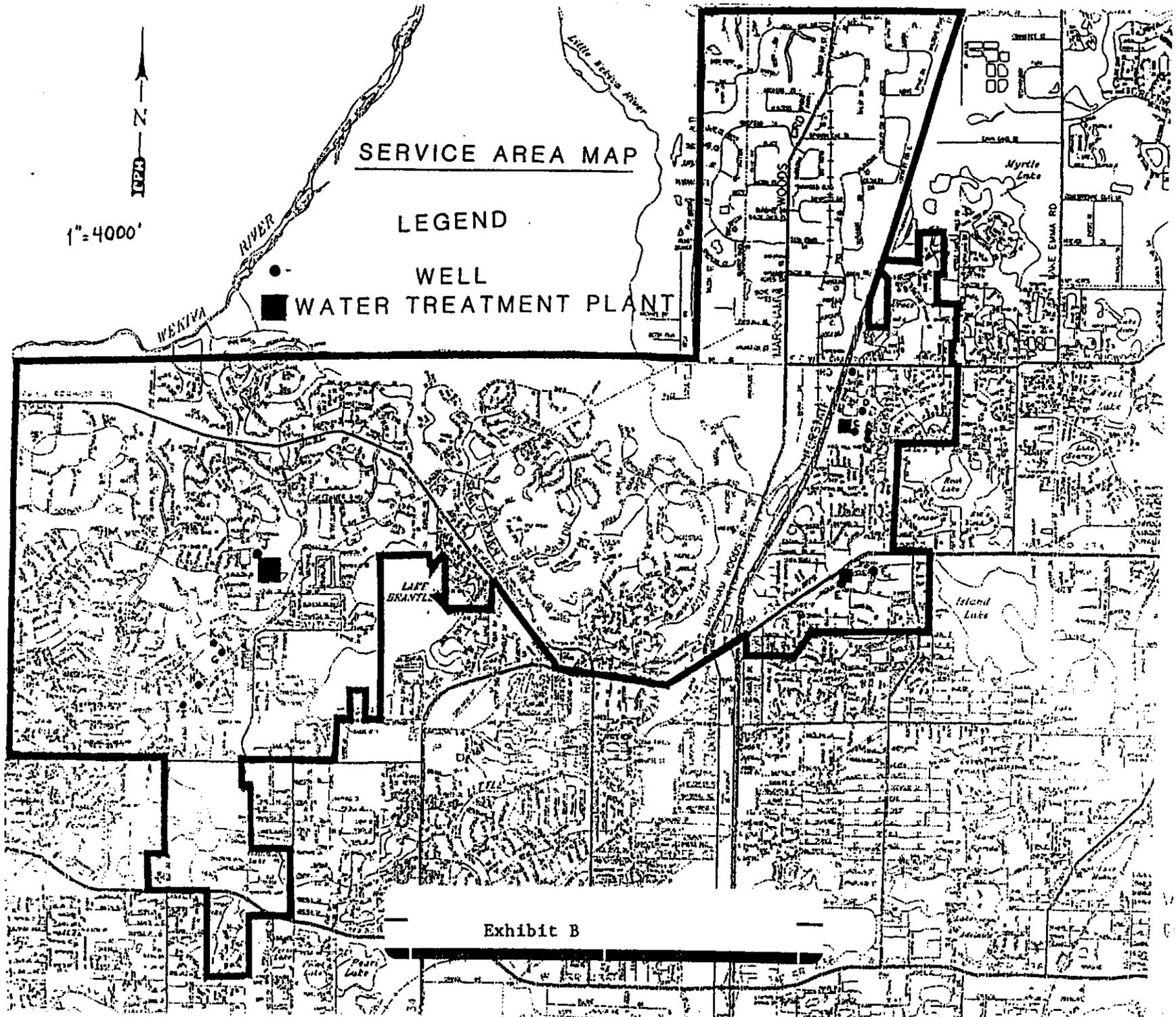
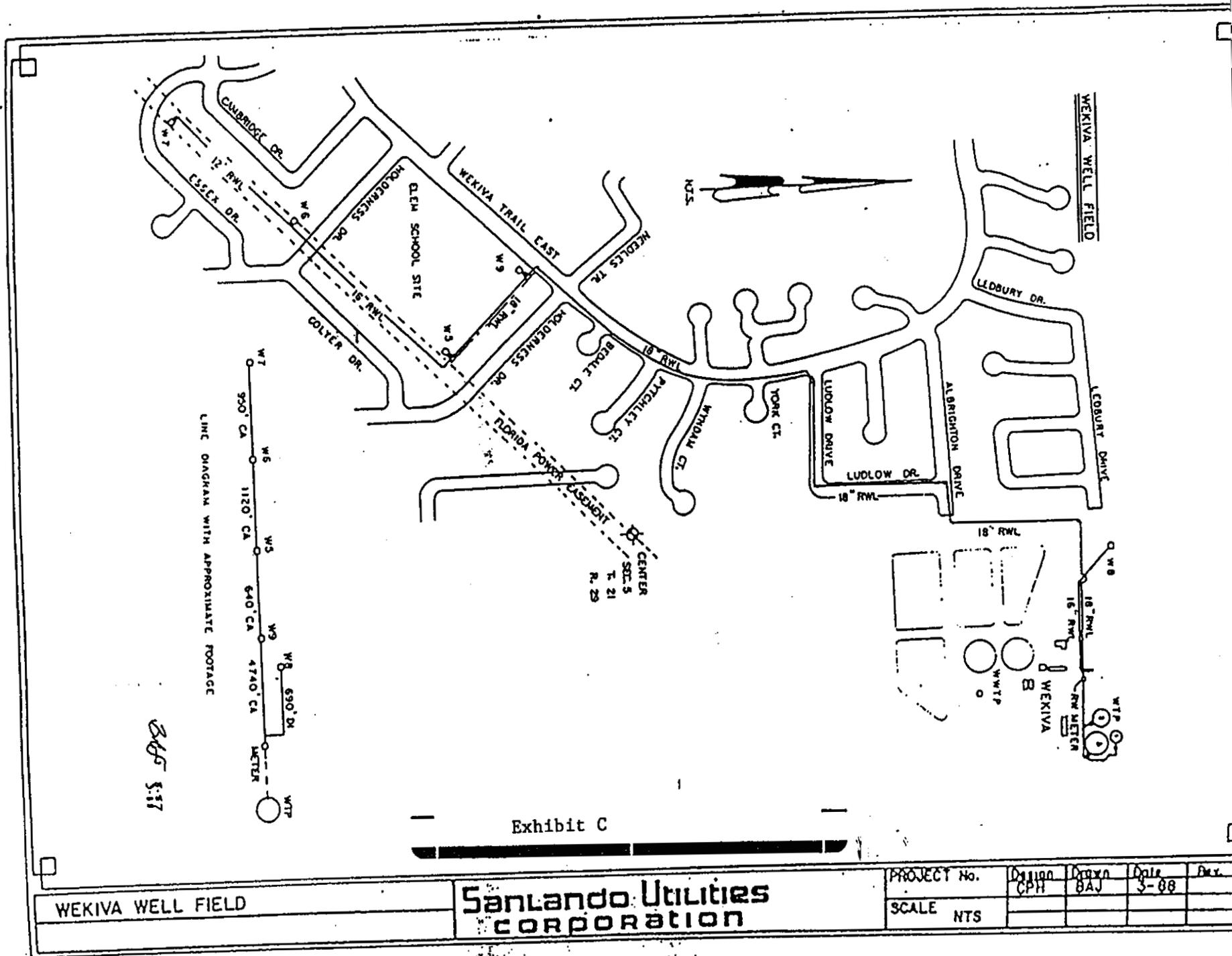


Exhibit B



WEKIVA WELL FIELD

Sanlando Utilities  
CORPORATION

PROJECT No.	Design CPH	Drawn BAJ	Date 3-08	Rev.
SCALE	NTS			

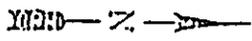
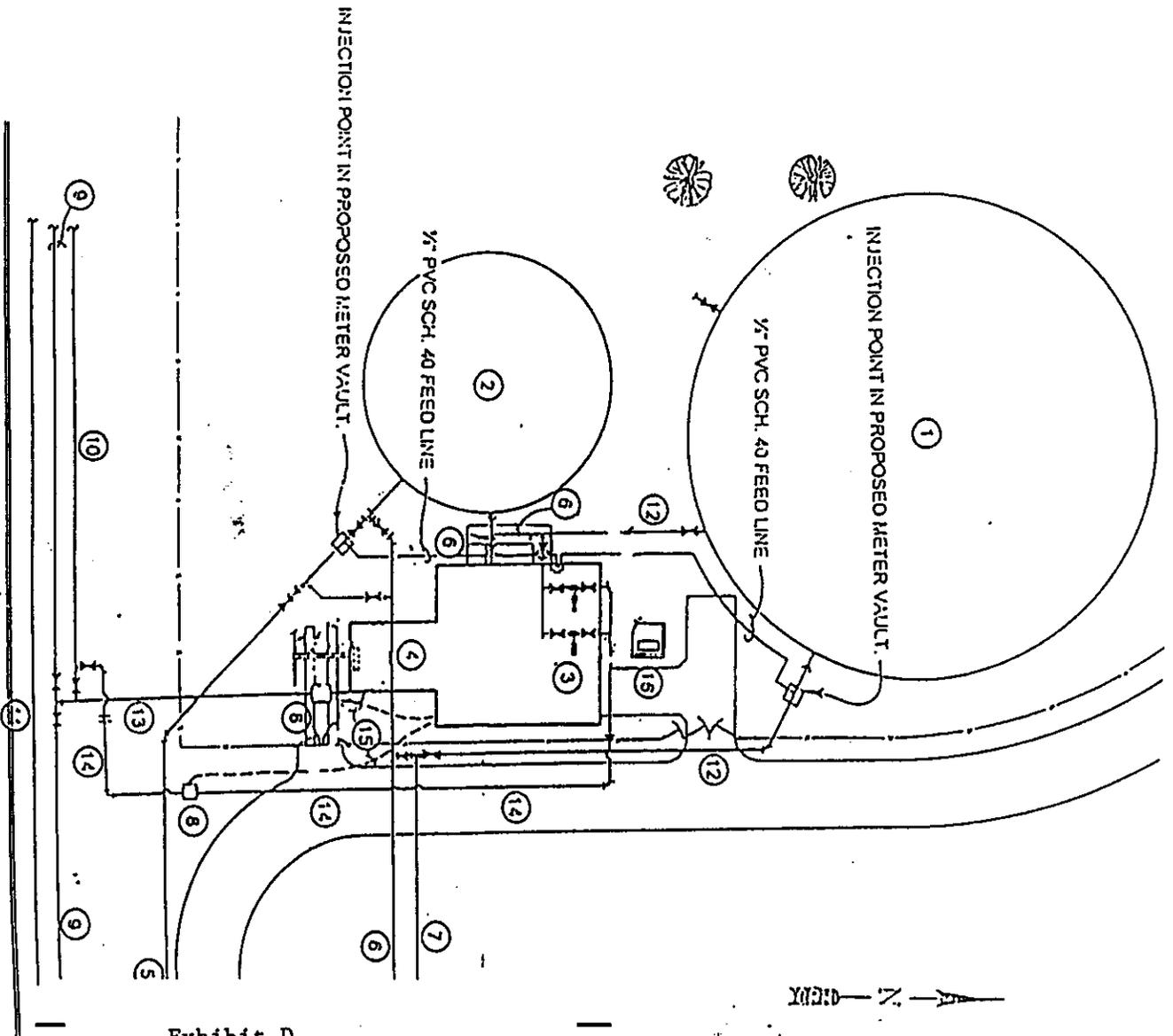
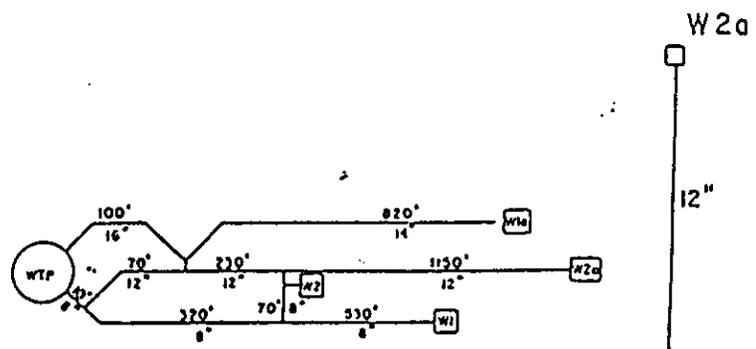
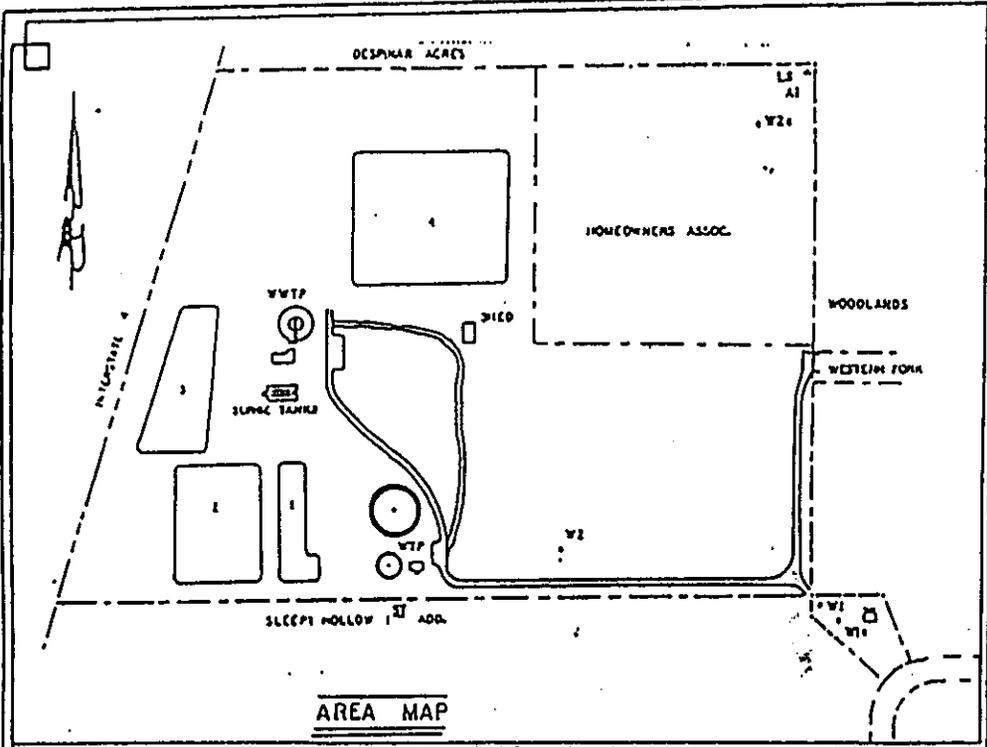


Exhibit D

- LEGEND**
- 1 815,000 GAL. GROUND STORAGE TANK
  - 2 250,000 GAL. GROUND STORAGE TANK
  - 3 PUMP ROOM
  - 4 CALCULATION ROOM
  - 5 8" W.M. (RAW) - FROM WELL
  - 6 12" W.M. (RAW) - FROM WELL
  - 7 12" W.M. (RAW) - FROM WELL
  - 8 METER VAULT
  - 9 12" W.M. (DISTRIBUTION) (C.A.)
  - 10 12" W.M. (DISTRIBUTION) (O.P.)
  - 11 4" F.I.L. (DRAIN)
  - 12 12" W.M. (O.P.)
  - 13 12" W.M. (DISTRIBUTION) (C.A.)
  - 14 12" W.M. (DISTRIBUTION) (O.P.)
  - 15 INSTRUMENTATION PRESSURE LINE
  - 16 P.W. STORAGE TANK

WOODLANDS (DESPINAR) WELL FIELD	Sanlando Utilities Corporation				PROJECT No.	Design	Drawn	Date	Rev.
					SCALE	NTS	CRJ	SAJF	8-87



LINE DIAGRAM WITH APPROXIMATE FOOTAGE

AREA MAP

WOODLANDS WELL FIELD

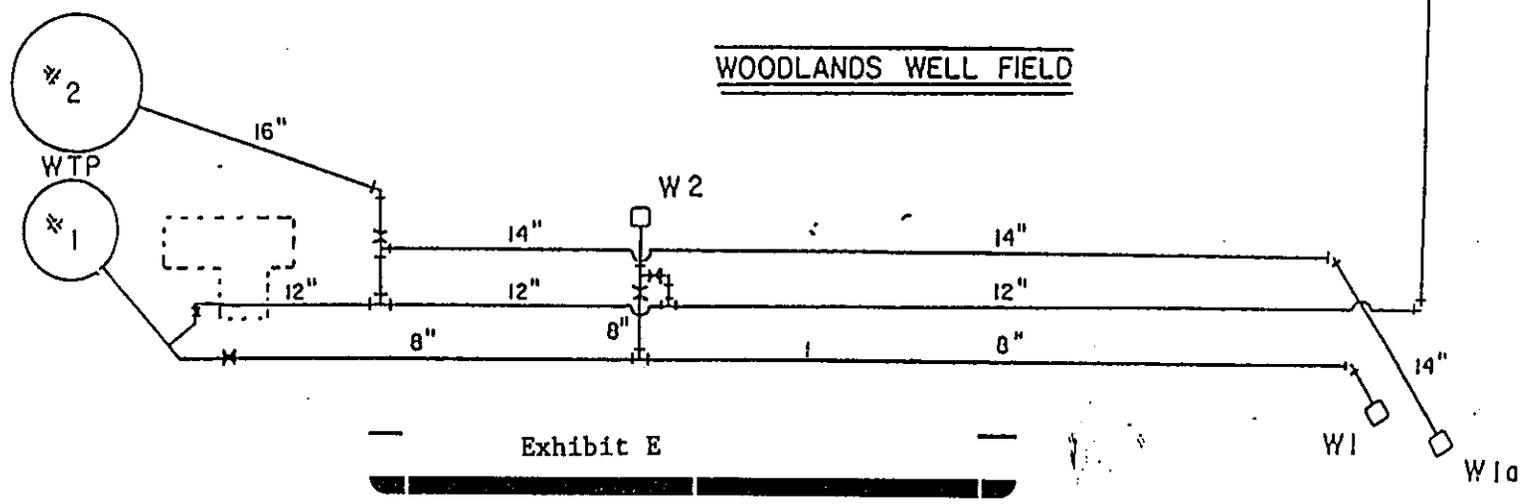
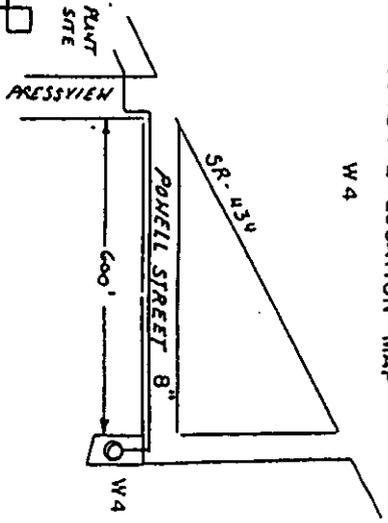


Exhibit E

WOODLANDS (DESPINAR) WELL FIELD	Sanlando Utilities CORPORATION		PROJECT No.	Design	Drawn	Date	Rev.
			SCALE	CPH	CAF	8-67	
			NTS				



GENERAL LOCATION MAP  
W4

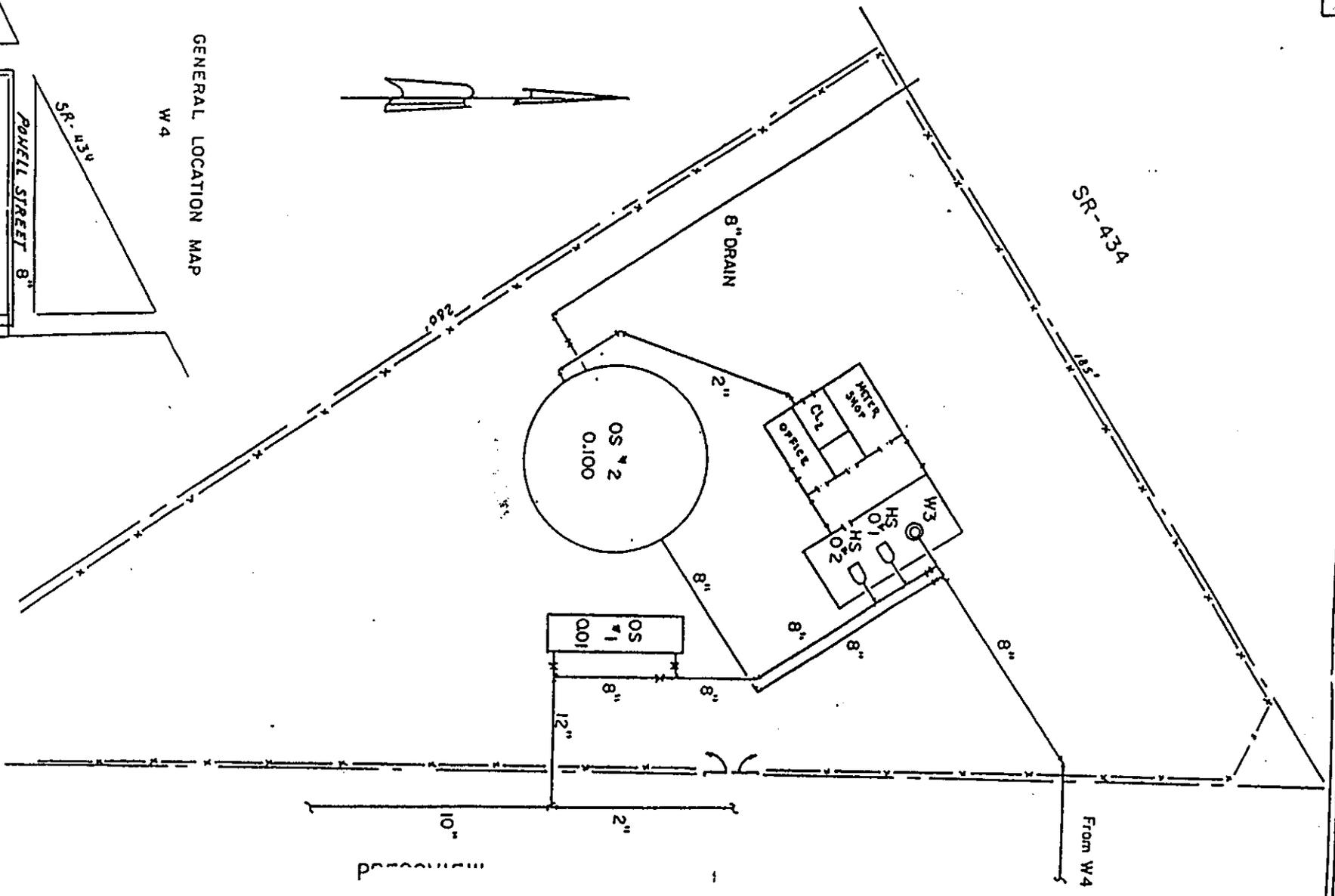


Exhibit F

OVERSTREET SITE & PIPING PLAN  
KIRKWOOD



**Sanlando Utilities Corporation**

PROJECT No.	Design	Drawn	Date	Rev.
SCALE	AF O'NEILL	V. [Signature]	3-07	
NTS				

## NOTICE OF RIGHTS

1. A person whose substantial interests are or may be determined has the right to request an administrative hearing by filing a written petition with the St. Johns River Water Management District (District). Pursuant to District rule 40C-1.511, Florida Administrative Code, the petition must be filed at the office of the District Clerk at District Headquarters, Highway 100 West, Palatka, Florida 32178-1429 within nineteen (19) days of the District depositing notice of its intent in the mail (for those persons to whom the District mails actual notice) or within fourteen (14) days of newspaper publication of the notice of its intent (for those persons to whom the District does not mail actual notice). Such a petition must comply with District rule 40C-1.521, Florida Administrative Code.
2. If the Governing Board took action which substantially differs from the notice of intent to grant or deny the permit application, a person whose substantial interests are or may be determined has the right to request an administrative hearing. Pursuant to District rule 40C-1.511, Florida Administrative Code, the petition must be filed at the office of the District Clerk at District Headquarters, Highway 100 West, Palatka, Florida 32178-1429, within nineteen (19) days of the District depositing notice of final agency action the the mail (for those persons to whom the District mails actual notice) or within fourteen (14) days of newspaper publication of the notice of its final agency action (for those persons to whom the District does not mail actual notice). Such a petition must comply with District rule 40C-1.521, Florida Administrative Code.
3. A substantially interested person has the right to a formal administrative hearing pursuant to Section 120.57(1), Florida Statutes, where there is a dispute between the District and the party regarding an issue of material fact. A petition for formal hearing must comply with the requirements set forth in Section 40C-1.521(2), Florida Administrative Code.
4. A substantially interested person has the right to an informal hearing pursuant to Section 120.57(2), Florida Statutes, where no material facts are in dispute. A petition for an informal hearing must comply with the requirements set forth in Section 40C-1.521(2), Florida Administrative Code.
5. A petition for an administrative hearing is deemed filed upon delivery of the petition to the District Clerk at the District headquarters in Palatka, Florida. (Section 40C-1.013, Florida Administrative Code)
6. Failure to file a petition for an administrative hearing, within the requisite time frame shall constitute a waiver of the right to an administrative hearing. (Section 40C-1.511, Florida Administrative Code)
7. The right to an administrative hearing and the relevant procedures to be followed are governed by Chapter 120, Florida Statutes, and Chapter 40C-1, Florida Administrative Code.

## NOTICE OF RIGHTS

8. An applicant with a legal or equitable interest in real property who believes that a District permitting action is unreasonable or will unfairly burden the use of his property, has the right to, within 30 days of receipt of notice of the District's intent to grant or deny a permit application, apply for a special master proceeding under section 70.51, Florida Statutes, by filing a written request for relief at the office of the District Clerk located at District headquarters, Highway 100 West, Palatka, Florida 32178-1429. A request for relief must contain the information listed in subsection 70.51(6), Florida Statutes.
9. A timely filed request for relief under section 70.51, Florida Statutes, tolls the time to request an administrative hearing under paragraph no. 1 or 2 above. (Paragraph 70.51(10)(b), Florida Statutes) However, the filing of a request for an administrative hearing under paragraph no. 1 or 2 above waives the right to a special master proceeding. (Subsection 70.51(10)(b), Florida Statutes)
10. Failure to file a request for relief within the requisite time frame shall constitute a waiver of the right to a special master proceeding. (Subsection 70.51(3), Florida Statutes)
11. Any substantially affected person who claims that final action of the District constitutes an unconstitutional taking of property without just compensation may seek review of the action in circuit court pursuant to Section 373.617, Florida Statutes, and the Florida Rules of Civil Procedures, by filing an action in circuit court within 90 days of the rendering of the final District action, (Section 373.617, Florida Statutes).
12. Pursuant to Section 120.68, Florida Statutes, a person who is adversely affected by final District action may seek review of the action in the district court of appeal by filing a notice of appeal pursuant to the Florida Rules of Appellate Procedure, within 30 days of the rendering of the final District action.
13. A party to the proceeding before the District who claims that a District order is inconsistent with the provisions and purposes of Chapter 373, Florida Statutes, may seek review of the order pursuant to Section 373.114, Florida Statutes, by the Florida Land and Water Adjudicatory Commission, by filing a request for review with the Commission and serving a copy on the Department of Environmental Protection and any person named in the order within 20 days of adoption of a rule or the rendering of the District order.
14. For appeals to the District courts of appeal, a District action is considered rendered after it is signed on behalf of the District, and is filed by the District Clerk.

NOTICE OF RIGHTS

15. Failure to observe the relevant time frames for filing a petition for judicial reviews described in paragraphs #11 and #12 or for Commission review as described in paragraph #13 will result in waiver of that right to review.

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a copy of the foregoing Notice of Rights has been sent by U.S. Mail to:

SANLANDO UTILITIES CORPORATION  
ATTN: JERRY M SALSANO  
P O BOX 3884  
LONGWOOD, FL 32791

at 4:00 p.m. this 23 day of OCTOBER, 1997

*Gloria Jean Lewis*

Permit Data Services  
Director, Gloria Lewis

St. Johns River Water Management District  
Post Office Box 1429  
Palatka, FL 32178-1429  
(904) 329-4566

2-117-0006AUR2

# DRAFT

**CONSUMPTIVE USE TECHNICAL STAFF REPORT**  
Household, Commercial/Industrial, Urban Landscape irrigation,  
and Water Utility Type Use  
October 10, 1997  
2-117-0006AUR2

**OWNER/  
APPLICANT:** Sanlando Utilities Corporation  
P.O. Box 3884  
Longwood, Florida 32791  
Attention: Hampton P. Conley

**PROJECT NAME:** Sanlando Utilities

**SERVICE AREA:** 8,320 acres

**LOCATION:** Seminole County

Section/Township/Range:  
Sec.01/T21S/ R29E  
Sec.02/T22S/R29E  
Sec.05/T22S/R29E  
Sec.35/T22S/R29E  
Sec.36/T22S/R29E

**WATER USE:**

**Requested Use:** 3,670.08 mgy (10.06 mgd) for public supply (146 gpcpd for an estimated population of 56,982 in the year 2011)

**Recommended Use:** 3,544.53 mgy (9.71 mgd) for public supply (146 gpcpd for an estimated population of 55,027 in the year 2004)

**PREVIOUSLY PERMITTED USE:** This is a renewal and modification of permit number 2-117-0006. Previous permit was for the use of 21.5 mgy of ground water from the Floridan aquifer to serve an estimated population of 63,253 people in 1997.

**AUTHORIZED USE:**  
Use of ground water from the Floridan aquifer to supply an estimated population of 55,027 people in 2004 with water for household, commercial/industrial, irrigation, and water utility type uses.

**USE STATUS:** This is a renewal of a previously issued permit with a request for a modification. The requested modification consists of a reduction in allocation.

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	3,544.53 mgd	total

## STAFF COMMENTS:

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I. **Groundwater Resources:** All the applicant's withdrawals will be from the Floridan aquifer. Although this project is located within a Priority Water Resource Caution Area as identified in the District's 1994 Water Supply Needs and Sources Assessment report, staff has determined that this project will not adversely impact ground water resources in the subject area as the applicant is requesting a reduction in the amount of water over the amount currently allocated in the existing permit (the 2007 yearly allocation will be less than that allocated in the previous permit for 1990). In addition, as stated above, there will be very little growth in water use in the service area over the next ten years (only 5%). Finally, Sanlando will be required as a condition of this permit to provide reclaimed water to three nearby golf courses during the term of this permit, further reducing existing groundwater withdrawals in the subject area.

II. **Surfacewater resources:** Since the applicant will only be using water from the Floridan aquifer, a confined aquifer system, the staff has determined that this project will not adversely impact any surfacewater sources. Staff has also determined that this project will not cause any minimum flows or levels to be exceeded.

III. **Saline Water Intrusion:** The nearest source of saline water within the Floridan aquifer lies approximately 4 miles to the north of Sanlando's wellfields. Based on the static nature of this project, the staff has determined that Sanlando's withdrawals will not significantly contribute to, or cause, saline water intrusion.

IV. **Wetland Impacts:** The staff has concluded that the proposed withdrawals will not cause or contribute to wetland impacts.

V. **Spring Flow:** This project lies within the Wekiva River subbasin, and is close to springs which have been identified as having a potential to be impacted by the year 2010. These springs include Wekiva, Rock, Miami, Sanlando, Starbuck, Palm, and Seminole. Although these springs are not currently experiencing flow problems, the District's Needs and Sources Assessment has identified that proposed increases in groundwater withdrawals between 1988 and 2010 are projected to cause the discharge of these springs to fall below the minimum discharges set forth in Chapter 40C-8, Florida Administrative Code. Staff considered the following in reviewing impacts of the proposed use of spring flow:

- This project will have little or no additional impact on the flow from these springs since water use within the service area is nearly static. In addition, the application reflects a significant decrease in the permitted annual allocation over the current permitted amount (from 4,617.3 mgy in 1997 to 3,544.53 mgy in 2004).
- Sanlando will be required, as a condition of this permit, to provide reclaimed water to three nearby golf courses during the term of this permit, further reducing existing groundwater withdrawals affecting spring flow.

Based on all these considerations, the staff concludes that the proposed use will not adversely impact spring flow within the subject area and will not cause minimum flows and levels to be violated.

VI. **Existing Legal Users:** The staff does not anticipate any impacts to existing legal users as there are no users of the Floridan aquifer near Sanlando's wells.

**CONSERVATION:** The applicant is proposing to implement, or has already implemented, the following water conservation measures.

- Consumer and Employee Education
- Promotes the installation of Water Savings Devices
- Annual Water Audit and meter survey
- Annual Meter Calibration
- Implementation of a Leak Detection Program
- Implementation of a Reuse Program

**REUSE:** Sanlando collects and treats wastewater at two, existing, wastewater treatment facilities, the Wekiva Hunt Club and Des Pinar facilities. Sanlando currently discharges all the wastewater generated within its service area from these two facilities as follows:

- (a) Wekiva Hunt Club - 100% to Sweetwater Creek which ultimately discharges to the Little Wekiva River.
- (b) Des Pinar - 100% to on-site percolation ponds.

As part of this application, Sanlando is proposing to implement a reclaimed water reuse system. Sanlando will be sending reclaimed water to three nearby golf courses, the Sabal Point, Sweetwater Country Club, and Wekiva golf courses. Reuse will be implemented as shown in Exhibit F. Based on this schedule, Sanlando will be reusing 25% of the wastewater from the Wekiva Hunt Club facility and 100% of the wastewater from the Des Pinar facility within 5 years, with an increase to 50% at the Wekiva facility within ten years. Volumes of reclaimed water to be reused by the year 2007 are approximately 0.451 mgd at Sabal Point, 0.359 mgd at Sweetwater Country Club, and 0.291 at the Wekiva golf course.

Sanlando currently has an application pending with the FDEP regarding its wastewater permit. However, this permit has been formally challenged by several parties including the Sweetwater Oaks Homeowners' Association. The challenge does not directly involve issues related to the implementation of reuse but, instead, concerns issues regarding potential water quality impacts to Sweetwater Creek. Since representatives of Sanlando have stated that they are confident Sanlando will be able to proceed with implementation of the reuse project as scheduled, the staff is recommending that the permit be issued with a limiting condition that requires Sanlando to begin providing reclaimed water to the golf courses by January 1, 2000. As part of the staff's review of this project, the District staff have discussed this matter with the staff of the Public Service Commission ("PSC") and informed the PSC that the District plans to offer support for this requested rate increase.

**PERMIT DURATION:** Section 6.5.1 of the Applicant's Handbook: Consumptive Uses of Water, October 20, 1996, provides that individual consumptive use permits shall have a duration of 10 years unless the Governing Board determines that a different permit duration is warranted based on a consideration and balancing of factors listed in section 6.5.3. Based on the consideration and balancing of these factors, the staff is recommending a duration for this permit of 7 years because the District is completing development of a regional water supply plan that will recommend specific actions to meet existing and future water use through the year 2020 in the region, consistent with protection of established minimum flows and levels. The staff is recommending that the duration of this permit be limited to 7 years in consideration of this planning process and to allow for the timely implementation of any recommendations regarding this use.

**WELL INFORMATION:**

Well No.	Casing Diameter	Total Depth	Existing/Proposed	Source/Aquifer	Type/Use
Des Pinar:					
A	10/8"	925'	Existing	Floridan	Public Supply
B	16"	500'	Existing	Floridan	Public Supply
C	12"	420'	Existing	Floridan	Public Supply

D	12"	420'	Existing	Floridan	Public Supply
Knollwood:					
E	6"	830'	Existing	Floridan	Public Supply
F	10"	550'	Existing	Floridan	Public Supply
Wekiva:					
G	10'	479'	Existing	Floridan	Public Supply
H	12'	554'	Existing	Floridan	Public Supply
I	16"	560'	Existing	Floridan	Public Supply
J	18 "	925'	Existing	Floridan	Public Supply
K	16"	550'	Existing	Floridan	Public Supply

**RECOMMENDATION:** Approval

**GENERAL** (See Condition Sheet): 1 - 9, 12 - 14

**SPECIAL** (see Condition Sheet): 9, 11, 35, 36, 37

**OTHER CONDITIONS:**

- All submittals made to demonstrate compliance for this permit must include the CUP number of 2-117-0006AUR2 plainly labeled.
- This permit will expire November 11, 2004.
- Maximum annual groundwater withdrawals for household type use must not exceed:
  - 2,822.18 million gallons in 1997,
  - 2,836.42 million gallons in 1998,
  - 2,850.29 million gallons in 1999,
  - 2,864.89 million gallons in 2000,
  - 2,879.12 million gallons in 2001,
  - 2,893.36 million gallons in 2002,
  - 2,907.96 million gallons in 2003 and
  - 2,922.56 million gallons in 2004.
- Maximum annual groundwater withdrawals for commercial/industrial type use must not exceed:
  - 177.03 million gallons in 1997,
  - 178.12 million gallons in 1998,
  - 178.85 million gallons in 1999,
  - 179.95 million gallons in 2000,

- 180.68 million gallons in 2001,  
181.77 million gallons in 2002,  
182.50 million gallons in 2003 and  
183.60 million gallons in 2004.
5. Maximum annual groundwater withdrawals for urban irrigation type use must not exceed:  
247.84 million gallons in 1997,  
249.30 million gallons in 1998,  
250.39 million gallons in 1999,  
251.49 million gallons in 2000,  
252.95 million gallons in 2001,  
254.04 million gallons in 2002,  
255.50 million gallons in 2003 and  
256.60 million gallons in 2004.
6. Maximum annual groundwater withdrawals for Water Utility type use (both accounted and unaccounted for) must not exceed:  
175.60 million gallons in 1997,  
176.30 million gallons in 1998,  
177.39 million gallons in 1999,  
178.12 million gallons in 2000,  
178.85 million gallons in 2001,  
179.95 million gallons in 2002,  
180.68 million gallons in 2003 and  
181.77 million gallons in 2004.
7. Maximum daily groundwater withdrawals use must not exceed:  
16.260 million gallons in 1997,  
16.341 million gallons in 1998,  
16.423 million gallons in 1999,  
16.505 million gallons in 2000,  
16.588 million gallons in 2001,  
16.671 million gallons in 2002,  
16.754 million gallons in 2003 and  
16.838 million gallons in 2004.
8. The permittee must continue to implement the District approved alternative method for measuring flow using the plant master meters. This alternative method must continue to document that this alternative method meets the Districts requirement of being 90% accurate and the accuracy must be verifiable. If the alternative method does not meet the 90% accuracy and verifiability requirements, the permittee must use totalizing flow meters or another District approved alternative method for recording water use.

9. The permittee must continue compliance with the Water Conservation Plan submitted to the District on February 11, 1997 and all supplements in accordance with the schedule contained therein and/or as refined in conditions of this permit. The permittee must maintain a log of those activities completed as part of the plan. A report, detailing the progress of plan implementation, must be submitted to the District on or before May 1, 1999.
10. The permittee must begin conducting and submitting annual water audits, using the audit form provided by the District. The annual audits must span a 12-month period from January 1 through December 31 and be submitted to the District by January 31 for each year of permit duration.
11. The permittee must implement the reuse program as described in its consumptive use permit application submitted to the District on February 11, 1997. Pursuant to this reuse program, the permittee must begin sending reclaimed water to the golf courses identified in the application by January 1, 2000. By January 1, 1999, the permittee must submit, to the District, a report summarizing the status of the reuse project. This report must address implementation dates for the project and must include a breakdown of projected reuse volumes for each recipient, by year, for the duration of this permit.
12. The lowest quality water source, such as reclaimed water and surface/storm water, must be used to supply water use needs within the service area supplied by Sanlando Utility Corporation whenever it is deemed feasible pursuant to District rules and applicable state law.

JENKINS



# Sanlando Utilities CORPORATION

March 21, 1997

Chris Sweazy, P.G.  
Division of Water Use Regulation  
Saint Johns River Water Management District  
Post Office Box 1729  
Palatka, Florida 32178-1429

Re: Request for Additional Information  
Your March 19, 1997, Letter to Conklin, Porter, and Holmes  
Sanlando Utilities, CUP #2-117-0006AUR2

Dear Chris:

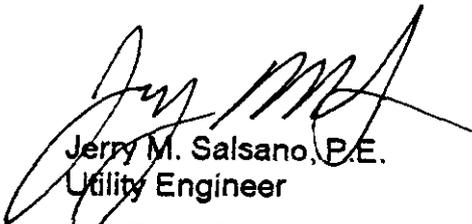
We respond to your questions 1) and 2) in the subject letter to as follows:

- 1) We have not yet considered other funding means. We still consider the not-for-profit board the best available approach to accomplish reuse and believe we will receive a favorable ruling from the Internal Revenue Service. In the event a non-favorable ruling is returned we will consider and evaluate other alternatives.
- 2) We have not discussed funding participation with the golf courses. Our intent is to fully fund the reuse lines to the customers' property line. We expected that on-site modifications to the customers' systems would be at their expense.

If you have any questions please call me.

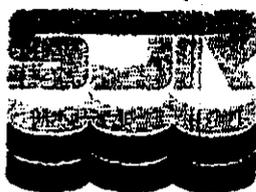
Sincerely,

SANLANDO UTILITIES CORPORATION



Jerry M. Salsano, P.E.  
Utility Engineer

cc: Terry Zaudtke, CPH Orlando  
File LG2.5--CUP



# WATER MANAGEMENT DISTRICT

Henry Dean, Executive Director  
John R. Wenle, Assistant Executive Director  
Charles T. Myers III, Deputy Assistant Executive Director

POST OFFICE BOX 1429 PALATKA, FLORIDA 32178-1429  
TELEPHONE 904-329-4500 SUNCOM 904-860-4500  
TDD 904-329-4450 TDD SUNCOM 360-4450  
FAX (EXECUTIVE/LEGAL) 329-4125 (PERMITTING) 329-4315 (ADMINISTRATION/FINANCE) 329-4508

SERVICE CENTERS			
615 S. South Street Orlando, Florida 32801 407-897-4300 TDD 407-897-5360	7775 Baymeadows Way Suite 102 Jacksonville, Florida 32256 904-730-6270 TDD 904-730-7900	PERMITTING 305 East Drive Melbourne, Florida 32904 407-384-4940 TDD 407-722-9368	OPERATIONS 2133 N. Wickham Road Melbourne, Florida 32935-8108 407-254-1762 TDD 407-253-1203

March 19, 1997

Terry Zaudtke  
Conklin, Porter & Holmes, Inc.  
1104 E. Robinson St.  
Orlando, Florida 32801-2092

RECEIVED  
MAR 20 1997  
CONKLIN, PORTER & HOLMES  
ORLANDO, FLORIDA

Re: Request for Additional Information  
Sanlando Utilities, CUP #2-117-0006AUR2

Dear Terry:

The District has reviewed the application submitted on behalf of Sanlando Utilities regarding renewal of their current water use permit. We find that application is complete except for the following requested information.

- 1) It appears from the application the Sanlando is committed to the development of a reuse distribution system. The schedule provided for development is contingent upon the favorable ruling from the IRS on the tax exempt status of the not-for-profit board to control this system. The timeframe provided for this option appears reasonable. However, in the event a non-favorable ruling is returned, has Sanlando looked into the feasibility of funding the reuse system by another means? If yes, what would be the proposed construction schedule for that option? If no, please indicate if a second alternative is feasible or not. [Section 10.2(d)(f)(h)(i)(j)(r); 10.3(d)(e)(f)(g), A.H.]
- 2) Have you had discussions with any of the identified potential reuse customers as to possible co-funding from them? If yes, please describe. To what level of cost share are you anticipating from the three identified golf courses? [Section 10.2(d)(f)(h)(i)(j)(r); 10.3(d)(e)(f)(g), A.H.]

We ask that you submit the requested information in a timely manner to help expedite review of your application. Please be advised that, pursuant to District procedural rules, any application which has not been technically and administratively completed within 90 days from the date of receipt of a Request For Additional Information by the District, must be forwarded to the Governing Board with a recommendation for denial based upon an incomplete application. However, should you require more than 90 days to respond, one additional 90-day period may be granted, based on evaluation of your specific circumstances. You may request, in writing, one

William Segal, CHAIRMAN MAYLAND	Dan Roach, VICE CHAIRMAN FERNANDINA BEACH	James T. Swann, TREASURER COCCA	Otis Mason, SECRETARY ST. AUGUSTINE
Kathy Chinoy JACKSONVILLE	Griffin A. Greene VERO BEACH	James H. Williams OCALA	Patricia T. Harden SANFORD
			Raid Hughes DAYTONA BEACH

On November 27, 1990 the Public Service Commission (PSC) issued an order requiring Sanlando to submit a plan detailing actions it would take to implement water conservation initiatives. In August 1991 the PSC approved in part and denied in part the plan submitted by Sanlando.

On November 7, 1991, The Florida Department of Environmental Regulation, now Florida Department of Environmental Protection (DEP), received a request for administrative hearing from Petitioner's Friends of the Wekiva and Florida Audubon Society. The petition challenged DEP's decision to issue the operating permit for the Wekiva wastewater treatment plant to Sanlando.

In April 1992, a settlement stipulation was agreed to by all parties. On July 10, 1992, DEP issued Operating Permit Number DO59-200447 to Sanlando Utilities Corporation authorizing Sanlando to continue operating its Wekiva wastewater treatment plant. Paragraphs 3 and 4 of this permit require Sanlando to enter into preliminary discussions with Florida Public Service Commission Staff and Commissioners to determine if the Public Service Commission would allow implementation of reuse water conservation rates to provide capital funding for the construction of necessary improvements to further treat and deliver reclaimed wastewater to three golf courses.

Sanlando Utility Corporation does not have the financial ability to fund the construction. Borrowing for this utility is only available if the shareholders provide personal guarantees in connection therewith.

On September 21, 1992, Sanlando filed an addendum to its water conservation plan. The addendum presented the reuse plan required by the DEP Operating Permit. By PSC Order No. 92-1356-FOF-WS, issued on November 23, 1992, the PSC approved the revised conservation plan submitted by Sanlando and mandated that Sanlando file a Limited Proceeding to implement the Conservation Plan.

Sanlando complied with this order by filing a Petition for Limited Proceeding to Implement Water Conservation Plan on March 10, 1993. In October 1993 the PSC issued a Notice of Proposed Agency Action approving Sanlando's petition to implement an inclining block rate structure. In response to that notice three customers of Sanlando Utilities and the Office of Public Counsel filed petitions objecting to the proposed order.

A stipulated agreement has been worked out and approved by the PSC on March 21, 1995. The agreement states that a not-for-profit corporation is to be formed that will receive the funds, construct the reuse facilities and lease them to Sanlando.

A letter ruling has been requested from the IRS that the reuse facility surcharge is not taxable income to Sanlando. The final order is being held until receipt of this ruling.



# Sanlando Utilities CORPORATION

May 23, 1997

Hal Wilkening  
Assistance Director, Resource Management  
Saint Johns River Water Management District  
P.O. Box 1429  
Palatka, FL32178-1429

Re: CUP 2-117-0006UR Renewal

Dear Mr. Wilkening:

As you and I discussed, I am forwarding copies of the pages from our draft Wekiva wastewater permit that include the reuse implementation schedule. That permit was public noticed on June 23, 1997, with a 14 day comment deadline. If you have any questions please do not hesitate to give me a call.

Sincerely,

SANLANDO UTILITIES CORPORATION

Hampton P. Conley  
Executive Vice President

Enclosure

cc: File S2.5-CUP

PERMITTEE: Sanlando Utilities Corporation  
 Mr. Hampton P. Conley, Exec. Vice-Pres.  
 P.O. Box 3884  
 Longwood, FL 32791

PERMIT NUMBER: FL0036251-01  
 EXPIRATION DATE: TBD  
 FACILITY I.D. NO: FL0036251

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7. Analyses shall be conducted on un-filtered samples, unless filtered samples have been approved by the Department as being more representative of ground water conditions.
8. Ground water monitoring test results shall be submitted on Part D of Form 62-620.910(10). Results shall be submitted with the April, July, October and January DMRs for each year during the period of operation allowed by this permit. [62-522.600(10) and (11)(b), 4/14/94] [62-601.300(3), 62.601.700, and Figure 3 of 62-601] [62-620.610(18), 11-29-94]
9. If a monitoring well becomes damaged or cannot be sampled for some reason, the permittee shall notify the Department with a written report within seven days detailing the circumstances and remedial measures taken or proposed. Replacement of monitoring wells shall be approved in advance by the Department.
10. Note: the facility is not required to provide an annual summary report of ground water monitoring data.

**IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS**

**Part III Public Access System(s)**

1. The following use of reclaimed water is authorized and required within this general service area: golf course irrigation.
2. This reuse system includes the following major users (i.e., using 0.1 mgd or more of reclaimed water) with a combined anticipated reuse capacity of 1.1 mgd:

User Name	User Type
Wekiva Golf Course	Golf Courses
Swetwater Country Club Golf Course	Golf Courses
Sabal Point Golf Course	Golf Courses

[62-610.800(5), 1-2-96, 62-620.630(10)(b), 11-29-94]

3. All ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. For major users of reclaimed water (i.e., using 0.1 mgd or more), the zone of discharge shall extend horizontally 100 feet from the application site or to the user's property line, whichever is less, and vertically to the base of the surficial aquifer. For other users, the zone of discharge shall extend horizontally to the boundary of the general service area identified in the attached map and vertically to the base of the surficial aquifer. [62-520.200(23), 4-14-94] [62-522.400 and 62-522.410, 4-14-94]
4. New major users of reclaimed water (i.e., using 0.1 mgd or more) may be added to the reuse system using the general permit described in Rule 62-610.890, F.A.C., if the requirements in this rule are complied with. Application for use of this general permit shall be made using Form 62-610.30 0(4)(a)1. [62-610.890, 1-9-96]
5. The treatment facilities shall be operated in accordance with the approved operating protocol. Only reclaimed water that meets the criteria established in the approved operating

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protocol may be released to system storage or to the reuse system(s). Reclaimed water that fails to meet the criteria in the approved operating protocol shall be directed to reject storage for subsequent additional treatment or disinfection. The operating protocol shall be reviewed and updated periodically (at least once each year) to ensure continuous compliance with the minimum treatment and disinfection requirements. Updated operating protocols shall be submitted to the Department's Central District Office for review and approval with the application for permit renewal. [62-610.320(6), 1-9-96]

6. Cross-connections to the potable water system are prohibited. [62-610.469(7), 1-9-96]
7. A cross-connection control program shall be implemented and/or remain in effect within the areas where reclaimed water will be provided for use. [62-610.469(7), 1-9-96]
8. Maximum obtainable separation of reclaimed water lines and potable water lines shall be provided and the minimum separation distances specified in Rule 62-610.469(7), F.A.C., shall be provided. Reuse facilities shall be color coded or marked. Underground piping which is not manufactured of metal and concrete pipe shall be color coded Pantone Purple 522C using light stable colorants. Underground metal and concrete pipe shall be color coded or marked using purple as a predominant color. [62-610.469(7), 1-9-96]
9. In constructing reclaimed water distribution piping, the permittee shall maintain a 75-foot setback distance from a reclaimed water transmission facility to public water supply wells. No setback distances are required to other potable water supply wells or to any nonpotable water supply wells. [62-610.471(3), 1-9-96]
10. A setback distance of 75 feet shall be maintained between the edge of the wetted area and potable water supply wells, unless the utility adopts and enforces an ordinance prohibiting potable water supply wells within the reuse service area. No setback distances are required to any nonpotable water supply well, to any surface water, to any developed areas, or to any private swimming pools, hot tubs, spas, saunas, picnic tables, barbecue pits, or barbecue grills. [62-610.471(1), (2), (5), and (7), 1-9-96]
11. Reclaimed water shall not be used to fill swimming pools, hot tubs, or wading pools. [62-610.469(4), 1-9-96]
12. Low trajectory nozzles, or other means to minimize aerosol formation shall be used within 100 feet from outdoor public eating, drinking, or bathing facilities. [62-610.471(6), 1-9-96]
13. A setback distance of 100 feet shall be maintained from indoor aesthetic features using reclaimed water to adjacent indoor public eating and drinking facilities. [62-610.471(8), 1-9-96]
14. The public shall be notified of the use of reclaimed water. This shall be accomplished by posting of advisory signs in areas where reuse is practiced, notes on scorecards, or other methods. [62-610.468(2), 1-9-96]
15. Reclaimed water shall only be released to the system storage or reuse system during periods of operator attendance in compliance with the approved operating protocol. [62-610.462(2) 1-9-96]
16. The permittee shall submit an annual report of reclaimed water utilization using Form 62-610.300(4)(a)2 by January 1 of each year. [62-610.870(3), 1/09/96]

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#### Part IV Rapid-rate Land Application System(s)

17. All ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. The zone of discharge for this project shall extend horizontally 100 feet from the site or to the site property line, whichever is less, and vertically to the base of the surficial aquifer. No zone of discharge shall be allowed for other ground water criteria. [62-610.625, 1/9/96] [62-520.200(23), 4/14/94] [62-522.400 and 62-522.410, 4/14/94]
18. The annual average hydraulic loading rate shall be limited to a maximum of 1.9 inches per day (as applied to the entire bottom area). [62-610.523(3), 4/2/90]
19. Rapid infiltration basins shall be routinely maintained to control vegetation growth and to maintain percolation capability by scarification or removal of deposited solids. Basin bottoms shall be maintained to be level. [62-610.523(6), 1/9/96]
20. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. [62-610.515 and 62-610.414), 1/9/96]
21. Overflows from emergency discharge facilities on storage ponds or on infiltration ponds, basins, or trenches shall be reported as an abnormal event to the Department's Central District Office within 24 hours of an occurrence as an abnormal event. The provisions of Rule 62-610.800(9), F.A.C., shall be met. [62-610.800(9), 1/9/96]
22. Discharge to the percolation ponds is limited to 0.4 mgd aadf. If discharge to the percolation ponds causes operational problems such as berm seepage or overflow due to insufficient bottom percolation, the permittee shall cease the discharge and notify the Department as required by Condition IX.20. The permittee shall then prepare a hydraulic loading test protocol to determine an appropriate hydraulic loading and submit such protocol for Department review and approval prior to recommencing any discharge to the percolation ponds.
23. The loading test preparation and submission addressed in Condition IV.22., shall be accomplished by the Permittee for Department approval of any increase in the permitted capacity of the percolation ponds beyond 0.4 mgd aadf.
24. The existing underdrain system shall remain plugged and inoperable.

#### V. OPERATION AND MAINTENANCE REQUIREMENTS

##### Staffing Requirements

1. During the period of operation authorized by this permit, the wastewater facilities shall be operated under the supervision of a(n) operator(s) certified in accordance with Chapter 61E12-41, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a Category I, Class B facility and, at a minimum, operators with appropriate certification must be on the site as follows:

A Class C or higher operator 16 hours/day for 7 days/week. The lead operator must be a Class B operator, or higher.  
[62-699, 5-20-94] [62-620.630(3), 11-29-94] [62-699.310, 5-20-92] [62-610.462(2), 4-2-90]

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2. The lead operator shall be on duty for one full shift each duty day. A certified operator shall be on-site and in charge of each required shift and for periods of required staffing time when the lead operator is not on-site. A certified operator shall be on call during periods the plant is unattended. [62-699.311(10), (5), and (1), 5-20-92]

**Capacity Analysis Report and Operation and Maintenance Performance Report Requirements**

3. An updated capacity analysis report shall be submitted to the Department with the application for renewal of this permit. The updated capacity analysis report shall be prepared in accordance with Rule 62-600.405, F.A.C. [62-600.405(5), 6-8-93]
4. The application to renew this permit shall include a detailed operation and maintenance performance report prepared in accordance with Rule 62-600.735, F.A.C. [62-600.735(1), 6-8-93]

**Recordkeeping Requirements**

5. The permittee shall maintain the following records and make them available for inspection on the site of the permitted facility:
  - a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation and a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
  - b. Copies of all reports required by the permit for at least three years from the date the report was prepared;
  - c. Records of all data, including reports and documents, used to complete the application for the permit for at least three years from the date the application was filed;
  - d. Monitoring information, including a copy of the laboratory certification showing the laboratory certification number, related to the residuals use and disposal activities for the time period set forth in Chapter 62-640, F.A.C., for at least three years from the date of sampling or measurement;
  - e. A copy of the current permit;
  - f. A copy of the current operation and maintenance manual as required by Chapter 62-600, F.A.C.;
  - g. A copy of the facility record drawings;
  - h. Copies of the licenses of the current certified operators; and
  - i. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules. The logs shall, at a minimum, include identification of the plant; the signature and certification number of the operator(s) and the signature of the person(s) making any entries; date and time in and out; specific operation and maintenance activities; tests performed and samples taken; and major repairs made. The logs shall be maintained on-site in a location accessible to

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Mr. Hampton P. Conley, Exec. Vice-Pres.  
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Longwood, FL 32791

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**DRAFT**

24-hour inspection, protected from weather damage, and current to the last operation and maintenance performed.

[62-620.350, 11-29-94][61E12-41.010(1)(e), 11-02-93]

6. The permittee shall harvest the created wetland system south of Wekiva Springs road when the removal efficiency of the plants becomes less than 25% when measured on a yearly basis. To determine removal rates of nitrogen and phosphorus, water quality shall be monitored for total nitrogen and phosphorus prior to, and exiting the wetland. The permittee shall review the performance of the system and provide this information (along with any recommendation to harvest) to the Department for review.
7. During the life of this permit, the permittee shall periodically monitor the Sweetwater Creek/Lake Cove system for nuisance plants and in consultation with the Department, will consider selective herbicides which will not harm designated plants. In addition, the Department may require the manual removal of nuisance plants, related to the nutrient loading in the discharge.

#### VI. COMPLIANCE SCHEDULES

1. The following construction schedule for the upgrade of the wastewater treatment facility and the unrestricted public access reuse system shall be followed:

Implementation Step		Completion Date
1	Complete the final design of the plant and reuse force main	September 1997
2	Start construction of upgrade to the facility and reuse force main	May 1998
3	End construction of upgrade to the facility and reuse force main	July 1999
4	Start reuse system testing	July 1999
5	End reuse system testing	September 1999
6	Start up reuse system	December 1999

[62-620.450(3)(a), 11-29-94]

2. Beginning ninety (90) days from the issuance date of this permit, and every ninety (90) days thereafter, until start up of the reuse system, the permittee shall submit to the Department quarterly status reports on the progress of the final design, construction and implementation of the proposed plant upgrade and of the reuse system.
3. Extensions to the schedule contained in Condition VI.1. may be granted by the Department upon written request by the Permittee and demonstration that any delays encountered are beyond the ability of the Permittee to control and that substantial progress has been achieved in implementing the reuse program.
4. The Permittee will provide copies to the Department of any correspondence it has with the Public Service Commission regarding the planning, financing and implementation of the reuse program.

#### VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

This section is not applicable to this facility.



# Sanlando Utilities CORPORATION

Mr. Alvin Castro, P.E.  
Domestic Waste Program  
Florida Department of Environmental Protection  
3319 Maguire Blvd, Suite 232  
Orlando, FL 32803

October 1, 1997

Re: Draft Permit No. FL0036251-01  
Reuse System Progress Report

Dear Mr. Castro:

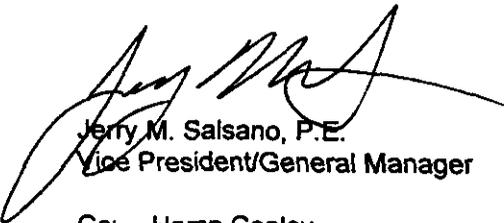
This progress report addresses Section VI of the subject draft permit, which contains the compliance schedule for a future reuse system supplying reclaimed water to three golf courses in the area. Section VI.1 requires that the final design of the plant and reuse force main be completed in September, 1997 and construction should begin in May, 1998. Section VI.2 requires that quarterly status reports be submitted beginning 90 days from the issuance of the permit. Because we are now encountering the proposed milestones, we thought it appropriate that we begin submitting quarterly reports.

1. At this time plans for the WWTF improvements are nearly complete. The site layout and all units have been designed. Electrical design is in progress.
2. The reuse force main survey is complete and a preliminary route alignment has been established for the reuse force main.
3. A preliminary design was completed for the golf course connections. Our consultant is currently working with the golf courses to determine the details of connections, booster pumps, and controls for the system.
4. The distribution pumps have been sized and will accommodate the golf course demand with a peaking factor of 1.5.

We estimate the final design will be completed in December providing adequate time to start construction in May 1998.

Sincerely,

SANLANDO UTILITIES CORPORATION



Jerry M. Salsano, P.E.  
Vice President/General Manager

Cc: Hamp Conley  
CPH, Orlando Office  
Reuse File



CC: HAMP RPV  
BOB \_\_\_\_\_

CC: REUSE FILE

ORIG: S Z.6

# Department of Environmental Protection

Lawton Chiles  
Governor

Central District  
3319 Maguire Boulevard, Suite 232  
Orlando, Florida 32803-3767

**RECEIVED**  
**MAY 23 1997**  
Virginia B. Wetherell  
Secretary  
SANLANDO UTILITIES CORP.

DEAN MEAD SPIELOVOGEL GOLDMAN & BOYD  
7380 MURRELL RD SUITE 100  
MELBOURNE FL 32940

OCD-DW-97-0355

ATTENTION KENNETH C CROOKS ESQ

Seminole County - DW  
Wekiva Hunt Club WWTF  
DEP File No.: 276697

Dear Mr. Crooks:

I am writing in an effort to keep you and your client, the Sweetwater Oaks Homeowners Association, Inc. (SOHA), apprised of the current status of the Draft Permit and a significant development that you may find of interest.

This office has had several meetings with the Applicant since the Public Meeting held last December. The discussions held during these meetings centered on identifying reasonably obtainable options available to expedite the implementation of reuse and subsequently reduce the amount of treated effluent discharged to Sweetwater Creek.

The Department believes that these discussions have identified an equitable plan of action that will meet the two goals discussed above and address the concerns raised by both the SOHA and the Applicant. Essentially, the plan is comprised of the following major elements:

1. Initially, an average of up to 400,000 gallons per day of treated effluent will be diverted to the existing on-site percolation ponds. This will have the immediate effect of reducing the volume of effluent discharged to Sweetwater Creek. The operation of the percolation ponds will be closely monitored to prevent hydraulic overloading.
2. Construction of the public access reuse system will be completed and capable of providing reclaimed water to the previously identified golf courses by the end of December 1999. This schedule will also include necessary upgrades to the wastewater treatment facility in order to provide the required level of treatment for the reclaimed water. There is a provision for extension of this deadline only if the Department finds that the delay is beyond the control of Sanlando.

Dean, Mead, Spielvogel, Goldman & Boyd  
OCD-DW-97-0355  
Page 2

These major elements will be incorporated in the substantially revised Draft Permit for the facility. As soon as the revisions to the Draft Permit are completed, the Department will forward a Notice of Intent to Issue a Wastewater Permit to the Applicant for public noticing, as required by Chapter 120, Florida Administrative Code. You will be provided a copy of the Notice of Intent.

I hope you will agree that the plan outlined above presents a practical, reasonable, and equitable approach for addressing the complex issues associated with this project. It provides for an immediate alternative disposal process for a portion of the treated effluent and a definable endpoint for implementing public access reuse.

Please feel free to call me at 407-894-7555 if you would like to discuss this matter further. Again, thank you for the patience and cooperation you and your client have demonstrated.

Sincerely,



*w* Vivian F. Garfein  
Director of District Management

Date: May 21, 1997

<sup>AP</sup>  
VFG/ac/cs

cc: Hampton Conley  
Wayne Chilton, President  
Douglas MacLaughlin, OGC (Tallahassee)  
Nancy Prine, Friends of the Wekiva River, Inc.



Henry Dean, Executive Director  
John R. Wehle, Assistant Executive Director  
Charles T. Myers III, Deputy Assistant Executive Director

POST OFFICE BOX 1429 PALATKA, FLORIDA 32178-1429  
TELEPHONE 904-329-4500 SUNCOM 904-860-4500  
TDD 904-329-4450 TDD SUNCOM 860-4450  
FAX (EXECUTIVE/LEGAL) 329-4125 (PERMITTING) 329-4315 (ADMINISTRATION/FINANCE) 329-4508  
SERVICE CENTERS

818 E. South Street Orlando, Florida 32801 407-897-4300 TDD 407-897-5980	7775 Baymeadows Way Suite 102 Jacksonville, Florida 32256 904-730-6270 TDD 904-730-7900	PERMITTING 305 East Drive Melbourne, Florida 32904 407-984-4940 TDD 407-722-5368	OPERATIONS 2133 N. Wickham Road Melbourne, Florida 32935-8109 407-254-1782 TDD 407-253-1203
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FEBRUARY 13, 1996

FRANCIS & LEOLA BOWMAN  
101 LYNDBURST DRIVE  
LONGWOOD, FL 32779

SUBJECT: CONSUMPTIVE USE PERMIT NO. 2-117-0220UVR

ENCLOSED IS YOUR PERMIT AND THE FORMS NECESSARY FOR SUBMITTING INFORMATION TO COMPLY WITH CONDITIONS OF THE PERMIT AS AUTHORIZED BY THE GOVERNING BOARD OF THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT ON FEBRUARY 13, 1996. ALL COMPLIANCE INFORMATION MUST BE SUBMITTED TO THE DISTRICT'S PALATKA OFFICE, P. O. BOX 1429, PALATKA, FLORIDA 32178-1429.

PERMIT ISSUANCE DOES NOT RELIEVE YOU FROM THE RESPONSIBILITY OF OBTAINING PERMITS FROM ANY FEDERAL, STATE, AND/OR LOCAL AGENCIES ASSERTING CONCURRENT JURISDICTION FOR THIS WORK. THE ENCLOSED PERMIT WILL EXPIRE ON FEBRUARY 13, 2003.

IN THE EVENT YOU SELL YOUR PROPERTY, THE PERMIT WILL BE TRANSFERRED TO THE NEW OWNER IF WE ARE NOTIFIED BY YOU WITHIN THIRTY DAYS OF THE RECORDING OF THE SALE. PLEASE ASSIST US IN THIS MATTER SO AS TO MAINTAIN A VALID PERMIT FOR THE NEW PROPERTY OWNER.

THE PERMIT ENCLOSED IS A LEGAL DOCUMENT AND SHOULD BE KEPT WITH YOUR OTHER IMPORTANT DOCUMENTS. PLEASE READ THE PERMIT CAREFULLY SINCE YOU ARE RESPONSIBLE FOR COMPLIANCE WITH ANY PROVISOS WHICH ARE A PART OF THIS PERMIT. PROVISIO COMPLIANCE IS A LEGAL REQUIREMENT AND YOUR ASSISTANCE IN THIS MATTER WILL BE GREATLY APPRECIATED.

ACCORDING TO CHAPTER 40C-2.401 AND SECTION 6.4 OF THE CONSUMPTIVE WATER USE HANDBOOK, A PERMANENT TAG WILL BE ISSUED BY THE DISTRICT FOR WELL IDENTIFICATION. THIS TAG IS PROMINENTLY DISPLAYED AT THE SITE OF WITHDRAWAL BY PERMANENTLY AFFIXING THE TAG TO THE PUMP, HEADGATE, VALVE, OR OTHER WITHDRAWAL FACILITY. FAILURE TO DISPLAY

William Segal, CHAIRMAN  
MAYLAND

Dan Roach, VICE CHAIRMAN  
FERNANDINA BEACH

James T. Swann, TREASURER  
COCOA

Otis Mason, SECRETARY  
ST. AUGUSTINE

Kathy Chinoy  
JACKSONVILLE

Griffin A. Greene  
VERO BEACH

James H. Williams  
OCALA

Patricia T. Harden  
SANFORD

Reid Hughes  
DAYTONA BEACH

FRANCIS & LEOLA BOWMAN  
PAGE TWO  
FEBRUARY 13, 1996

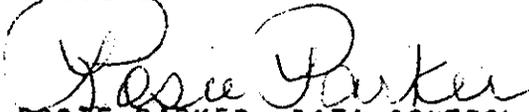
A WELL TAG SHALL CONSTITUTE VIOLATION OF A PERMIT CONDITION AND MAY, IF WILLFUL, BE GROUNDS FOR REVOCATION OF THE PERMIT. PLEASE REFER TO YOUR COPY OF 40C-2 IF YOU NEED FURTHER CLARIFICATION.

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IF YOU HAVE ANY QUESTIONS CONCERNING YOUR PERMIT COMPLIANCE INFORMATION, THE ATTACHED FORMS OR WELL TAGS, CONTACT ME AT 904-329-4274.

THANK YOU FOR YOUR INTEREST IN OUR WATER RESOURCES.

SINCERELY,



ROSIE PARKER, DATA CONTROL TECHNICIAN  
DIVISION OF PERMIT DATA SERVICES

ENCLOSURES: PERMIT WITH COMPLIANCE FORMS  
MAP  
WELL TAG(S)

CC: DISTRICT PERMIT FILE

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT  
POST OFFICE BOX 1429  
PALATKA, FLORIDA 32178-1429

PERMIT NO. 2-117-Q22QVVB

DATE ISSUED FEBRUARY 13, 1996

A PERMIT AUTHORIZING:

USE OF GROUND WATER FROM THE FLORIDAN AQUIFER TO IRRIGATE 95  
ACRES OF GOLF COURSE.

LOCATION:

SECTION 05 06, TOWNSHIP 21 SOUTH, RANGE 29 EAST  
SEMINOLE COUNTY  
WEKIVA GOLF CLUB

ISSUED TO:  
(OWNER)

FRANCIS & LEOLA BOWMAN  
101 LYNDBURST DRIVE  
LONGWOOD, FL 32779

PERMITTEE AGREES TO HOLD AND SAVE THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AND ITS SUCCESSORS HARMLESS FROM ANY AND ALL DAMAGES, CLAIMS, OR LIABILITIES WHICH MAY ARISE FROM PERMIT ISSUANCE. SAID APPLICATION, INCLUDING ALL PLANS AND SPECIFICATIONS ATTACHED THERETO, IS BY REFERENCE MADE A PART HEREOF.

THIS PERMIT DOES NOT CONVEY TO PERMITTEE ANY PROPERTY RIGHTS NOR ANY RIGHTS OR PRIVILEGES OTHER THAN THOSE SPECIFIED HEREIN, NOR RELIEVE THE PERMITTEE FROM COMPLYING WITH ANY LAW, REGULATION OR REQUIREMENT AFFECTING THE RIGHTS OF OTHER BODIES OR AGENCIES. ALL STRUCTURES AND WORKS INSTALLED BY PERMITTEE HEREUNDER SHALL REMAIN THE PROPERTY OF THE PERMITTEE.

THIS PERMIT MAY BE REVOKED, MODIFIED OR TRANSFERRED AT ANY TIME PURSUANT TO THE APPROPRIATE PROVISIONS OF CHAPTER 373 OR 403, FLORIDA STATUTES AND 40C-1, FLORIDA ADMINISTRATIVE CODES:

PERMIT IS CONDITIONED UPON:

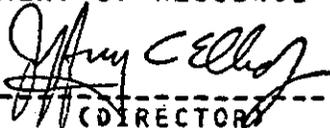
SEE CONDITIONS ON ATTACHED "EXHIBIT A", DATED FEBRUARY 13, 1996

AUTHORIZED BY: ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

DEPARTMENT OF RESOURCE MANAGEMENT

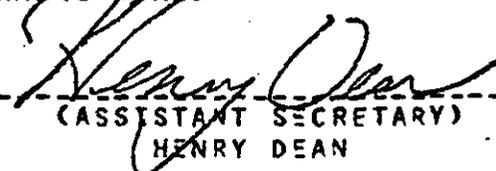
GOVERNING BOARD

BY: \_\_\_\_\_



(DIRECTOR)  
JEFF ELLEDGE

BY: \_\_\_\_\_



(ASSISTANT SECRETARY)  
HENRY DEAN

"EXHIBIT A"

CONDITIONS FOR ISSUANCE OF PERMIT NUMBER 2-117-0220UVR

FRANCIS & LEOLA BOWMAN

DATED February 13, 1996

1. District authorized staff, upon proper identification, will have permission to enter, inspect and observe permitted and related facilities in order to determine compliance with the approved plans, specifications and conditions of this permit.
2. Nothing in this permit should be construed to limit the authority of the St. Johns River Water Management District to declare a water shortage and issue orders pursuant to Section 373.175, Florida Statutes, or to formulate a plan for implementation during periods of water shortage, pursuant to Section 373.246, Florida Statutes. In the event a water shortage, as declared by the District Governing Board, the permittee must adhere reductions in water withdrawals as specified by the District.
3. Prior to the construction, modification, or abandonment of a well, the permittee must obtain a Water Well Construction Permit from the St. Johns River Water Management District or the appropriate local government pursuant to Chapter 40C-3, Florida Administrative Code. Construction, Modification, or abandonment of a well will require modification of the consumptive use permit when such construction, modification or abandonment is other than that specified and described on the consumptive use permit application form.
4. Leaking or inoperative well casings, valves, or controls must be repaired or replaced as required to eliminate the leak or make the system fully operational.
5. Legal uses of water existing at the time of permit application may not be significantly adversely impacted by the consumptive use. If unanticipated significant adverse impacts occur, the District shall revoke the permit in whole or in part to curtail or abate the adverse impacts, unless the impacts can be mitigated by the permittee.
6. Off-site land uses existing at the time of permit application may not be significantly adversely impacted as a result of the consumptive use. If unanticipated significant adverse impacts occur, the District shall revoke the permit in whole or in part to curtail or abate the adverse impacts, unless the impacts can be mitigated by the permittee.

7. The District must be notified, in writing, within 30 days of any sale, conveyance, or other transfer of a well or facility from which the permitted consumptive use is made or within 30 days of any transfer of ownership or control of the real property at which the permitted consumptive use is located. All transfers of ownership or transfers of permits are subject to the provisions of section 40C-1.612, F.A.C..
8. A District-issued identification tag shall be prominently displayed at each withdrawal site by permanently affixing such tag to the pump, headgate, valve or other withdrawal facility as provided by Section 40C-2.401, Florida Administrative Code. Permittee shall notify the District in the event that a replacement tag is needed.
9. Golf course and recreational irrigation is prohibited between the hours of 10:00 a.m. and 4:00 p.m., except as follows:
  - A. Irrigation using a micro-irrigation system is allowed anytime.
  - B. Facilities using reclaimed water for irrigation may do so at anytime provided appropriate signs are placed on the property to inform the general public and District personnel of such use. Such signs must be in accordance with local restrictions.
  - C. The use of recycled water from wet detention treatment ponds to irrigate golf courses and recreational areas is allowed anytime provided the ponds are not augmented from any ground or off-site surface water sources.
  - D. Irrigation of, or in preparation for planting, new golf courses and recreational areas is allowed at any time of day for one 30 day period provided irrigation is limited to the amount necessary for plant establishment. Irrigation of newly seeded or sprigged golf course areas is allowed any time of day for one 60 day period.
  - E. Chemigation and fertigation are allowed at any time of day one time per week, and anytime during the normal 4:00 p.m. to 10:00 a.m. irrigation hours.
  - F. Watering in of chemicals, including insecticides, pesticides, fertilizers, fungicides, and herbicides when required by law, the manufacturer or best management practices is allowed anytime within 24 hours of application.

- G. Irrigation systems may be operated anytime for maintenance and repair purposes not to exceed ten minutes per hour per zone.
- H. The use of water to protect golf course turf from heat stress damage is allowed anytime, provided the watering does not exceed ten minutes per hour per zone.
- 10. If chemicals are injected into the irrigation system, the well or surface pump must be equipped with backflow prevention devices installed pursuant to Section 5E-2.030, F.A.C.
- 11. Whenever feasible, the permittee must use native vegetation that requires little supplemental irrigation for landscaping within the service area of the project.
- 12. All submittals made to demonstrate compliance with this permit must have CUP number 2-117-0220 plainly labeled thereon.
- 13. This permit will expire 5 years from the date of issuance.
- 14. Maximum annual ground water withdrawals for golf course irrigation must not exceed 96.0 million gallons. The average annual water use shall be less than this amount in all years except for a 2 in 10 year drought.
- 15. Maximum monthly ground water withdrawals for golf course irrigation must not exceed 18.5 million gallons.
- 16. Well nos. 1 and 2 must continue to be metered and the meters must maintain a 95% accuracy, be verifiable and be installed according to the manufacturer's specifications.
- 17. Total withdrawal from well nos 1 and 2, as listed on the application, must be recorded continuously, totaled monthly, and reported to the District at least every six months from the initiation of the monitoring using District Form No. EN-50. The reporting dates each year will be as follows:

Reporting Period	Report Due Date
January - June	July 31
July - December	January 31
- 18. Permittee must maintain all meters. In case of failure or breakdown of any meter, the District must be notified in writing within 5 days of its discovery. A defective meter must be repaired or replaced within 30 days of its discovery.

2-117-0220UVR

19. Permittee must have all flow meters calibrated once every 2 years within 30 days of the anniversary date of permit issuance, and recalibrated if the difference between the actual flow and the meter reading is greater than 5%. District Form No. EN-51 must be submitted to the District within 10 days of the inspection/ calibration.
20. Permittee must follow the recommendations set forth in the Florida Lawn Maintenance Manual compiled and published by the Institute of Food and Agricultural Science at the University of Florida.
21. Permittee must implement the Water Conservation Plan submitted to the District on May 9, 1995, in accordance with the schedule contained therein. The permittee must document the installation of the Aquasaver weather station and the use of employee education materials by submitting copies of the weather station purchase receipt and materials given to the employees.
22. Permittee must continue to meet and work with reclaimed water suppliers capable of supplying water to this user within the term of this permit, on the design, scheduling and financing necessary for the permittee to accept reclaimed water. The permittee must submit annual reports on or before January 15 of each year, throughout the permit duration, documenting efforts made by the Permittee to accept reclaimed water from reclaimed water suppliers. Such efforts shall include meeting discussions, further evaluation of the economic feasibility of using reclaimed water, and proposed golf course irrigation renovation plans. All expenditures and golf course irrigation renovation plans shall be designed to incorporate the use of reclaimed water for golf course irrigation when it becomes available. In the event that reclaimed water becomes environmentally, technically and economically feasible during the duration of the permit, the permittee must accept the reclaimed water up to an amount sufficient to meet the irrigation demands of the golf course.
23. Within 6 months of the identification of the possible reclaimed water delivery point to the property, the permittee must submit, to the District, final cost estimates on the minimum required modifications to the course necessary to implement reuse in accordance with the applicable FDEP standards. Any modifications/upgrades beyond these minimums necessary to meet the FDEP requirements may be provided, but must be provided separately. Operational and maintenance costs must also be provided separately. Justification for all estimates must be included.

24. Within 6 months of issuance of this permit, the permittee must submit a site specific Integrated Pesticide Management Plan (IPMP). The IPMP must specify the usage of non-chemical or cultural means as the primary defense against nuisance and/or destructive pests. These non-chemical measures should include practices such as: the planting and maintenance of native vegetation where possible; the use of pest and/or disease tolerant vegetation; the proper selection and application of fertilizer; proper supplemental watering; the use of mulch for weed control; and, proper maintenance practices including mowing frequency, mowing height, mechanical dethatching, removal of dying or dead vegetation, etc.

The plan must also include information on the following:

- a. Insecticides, nematicides, fungicides or herbicides to be used;
- b. Method(s) of application;
- c. Time frames for use and application; and,
- d. For the pesticides that will be used, specification of:
  - Half-lives
  - N-Octanol/water partition coefficient (Kow)
  - Lethal dose coefficient (LD50)
  - Solubility

Any pesticide selected must exhibit a short half-life (<10 weeks), a low n-octanol/water coefficient (<5.0), and be suitable for use with local soils and groundwater pH conditions. The use of organochlorides and other pesticides either listed by EPA as canceled or suspended, or otherwise prohibited by state or federal law is not allowed.

25. Each year after submittal of the permittee's reports, as specified in conditions 23 and 24, the reports will be forwarded to the Governing Board and will include a determination as to whether the permittee has complied with these conditions.
26. Treated effluent must be used as irrigation water when it becomes available, economically feasible, and permissible under applicable state and federal statutes or regulations promulgated thereunder.



**WATER  
MANAGEMENT  
DISTRICT**

Charles

Henry Dean, Executive Director  
John R. Wehle, Assistant Executive Director  
Charles E. Myers III, Deputy Assistant Executive Director

POST OFFICE BOX 1429  
TELEPHONE 904/329-4500  
TDD 904/329-4450

PALATKA, FLORIDA 32178-1429  
SUNCOM 904/860-4500  
TDD SUNCOM 860-4450

FAX (EXECUTIVE/LEGAL) 329-4125 (PERMITTING) 329-4315 (ADMINISTRATION/FINANCE) 329-4508  
FIELD STATIONS

618 E. South Street  
Orlando, Florida 32801  
407/897-4300  
TDD 407/897-5960

7775 Baymeadows Way  
Suite 102  
Jacksonville, Florida 32256  
904/730-6270  
TDD 904/730-7900

PERMITTING:  
305 East Drive  
Melbourne, Florida 32904  
407/984-4940  
TDD 407/722-5368

OPERATIONS:  
2133 N. Wickham Road  
Melbourne, Florida 32935-8109  
407/254-1762  
TDD 407/253-1203

OCTOBER 10, 1995

PRINCE LAKE WOOD DBA SWEETWATER COUNTRY CLUB  
2700 SWEETWATER CLUB DRIVE  
APOPKA, FL 32712

SUBJECT: CONSUMPTIVE USE PERMIT NO. 2-117-0257UVRM

ENCLOSED IS YOUR PERMIT AND THE FORMS NECESSARY FOR SUBMITTING INFORMATION TO COMPLY WITH CONDITIONS OF THE PERMIT AS AUTHORIZED BY THE GOVERNING BOARD OF THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT ON OCTOBER 10, 1995. ALL COMPLIANCE INFORMATION MUST BE SUBMITTED TO THE DISTRICT'S PALATKA OFFICE, P. O. BOX 1429, PALATKA, FLORIDA 32178-1429.

PERMIT ISSUANCE DOES NOT RELIEVE YOU FROM THE RESPONSIBILITY OF OBTAINING PERMITS FROM ANY FEDERAL, STATE, AND/OR LOCAL AGENCIES ASSERTING CONCURRENT JURISDICTION FOR THIS WORK. THE ENCLOSED PERMIT WILL EXPIRE ON OCTOBER 10, 2000.

IN THE EVENT YOU SELL YOUR PROPERTY, THE PERMIT WILL BE TRANSFERRED TO THE NEW OWNER IF WE ARE NOTIFIED BY YOU WITHIN THIRTY DAYS OF THE RECORDING OF THE SALE. PLEASE ASSIST US IN THIS MATTER SO AS TO MAINTAIN A VALID PERMIT FOR THE NEW PROPERTY OWNER.

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ACCORDING TO CHAPTER 40C-2.401 AND SECTION 6.4 OF THE CONSUMPTIVE WATER USE HANDBOOK, A PERMANENT TAG WILL BE ISSUED BY THE DISTRICT FOR WELL IDENTIFICATION. THIS TAG IS PROMINENTLY DISPLAYED AT THE SITE OF WITHDRAWAL BY PERMANENTLY AFFIXING THE TAG TO THE PUMP, HEADGATE, VALVE, OR OTHER WITHDRAWAL FACILITY. FAILURE TO DISPLAY

Patricia T. Harden, CHAIRMAN  
SANFORD

William Segal, VICE CHAIRMAN  
MAITLAND

Dan Roach, TREASURER  
FERNANDINA BEACH

Otis Mason, SECRETARY  
ST. AUGUSTINE

Kathy Chinoy  
JACKSONVILLE

Griffin A Greene  
VERO BEACH

James H. Williams  
OCALA

Reid Hughes  
DAYTONA BEACH

James T. Swann  
COCOA

PRINCE LAKE WOOD DBA SWEETWATER COUNTRY CLUB  
PAGE TWO  
OCTOBER 10, 1995

A WELL TAG SHALL CONSTITUTE VIOLATION OF A PERMIT CONDITION AND MAY, IF WILLFUL, BE GROUNDS FOR REVOCATION OF THE PERMIT. PLEASE REFER TO YOUR COPY OF 40C-2 IF YOU NEED FURTHER CLARIFICATION.

YOU WILL FIND ENCLOSED A COPY OF THE MAP SUBMITTED WITH YOUR APPLICATION, WITH EACH WELL'S LOCATION AND NUMBER IDENTIFIED. WHEN PLACING THE TAG ON THE WELL, REFER TO THIS MAP TO ENSURE PROPER WELL IDENTIFICATION.

IF YOU HAVE ANY QUESTIONS CONCERNING YOUR PERMIT COMPLIANCE INFORMATION, THE ATTACHED FORMS OR WELL TAGS, CONTACT ME AT 904-329-4274.

THANK YOU FOR YOUR INTEREST IN OUR WATER RESOURCES.

SINCERELY,

*Rosie Parker*

ROSIE PARKER, DATA CONTROL TECHNICIAN  
DIVISION OF PERMIT DATA SERVICES

ENCLOSURES: PERMIT WITH COMPLIANCE FORMS  
MAP  
WELL TAG(S)

CC: DISTRICT PERMIT FILE

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT  
POST OFFICE BOX 1429  
PALATKA, FLORIDA 32178-1429

PERMIT NO. 2-117-0257UVBM

DATE ISSUED OCTOBER 10, 1995

A PERMIT AUTHORIZING:

USE OF GROUND WATER FROM THE FLORIDAN AQUIFER TO IRRIGATE 70  
ACRES OF GOLF COURSE AND 10 ACRES OF LANDSCAPE.

LOCATION:

SECTION 31, TOWNSHIP 20 SOUTH, RANGE 29 EAST  
SEMINOLE COUNTY  
SWEETWATER COUNTRY CLUB

ISSUED TO:  
(OWNER)

PRINCE LAKE WOOD DBA SWEETWATER COUNTRY CLUB  
2700 SWEETWATER CLUB DRIVE  
APOPKA, FL 32712

PERMITTEE AGREES TO HOLD AND SAVE THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AND ITS SUCCESSORS HARMLESS FROM ANY AND ALL DAMAGES, CLAIMS, OR LIABILITIES WHICH MAY ARISE FROM PERMIT ISSUANCE. SAID APPLICATION, INCLUDING ALL PLANS AND SPECIFICATIONS ATTACHED THERETO, IS BY REFERENCE MADE A PART HEREOF.

THIS PERMIT DOES NOT CONVEY TO PERMITTEE ANY PROPERTY RIGHTS NOR ANY RIGHTS OR PRIVILEGES OTHER THAN THOSE SPECIFIED HEREIN, NOR RELIEVE THE PERMITTEE FROM COMPLYING WITH ANY LAW, REGULATION OR REQUIREMENT AFFECTING THE RIGHTS OF OTHER BODIES OR AGENCIES. ALL STRUCTURES AND WORKS INSTALLED BY PERMITTEE HEREUNDER SHALL REMAIN THE PROPERTY OF THE PERMITTEE.

THIS PERMIT MAY BE REVOKED, MODIFIED OR TRANSFERRED AT ANY TIME PURSUANT TO THE APPROPRIATE PROVISIONS OF CHAPTER 373 OR 403, FLORIDA STATUTES AND 40C-1, FLORIDA ADMINISTRATIVE CODES:

PERMIT IS CONDITIONED UPON:

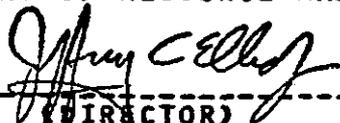
SEE CONDITIONS ON ATTACHED "EXHIBIT A", DATED OCTOBER 10, 1995

AUTHORIZED BY: ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

DEPARTMENT OF RESOURCE MANAGEMENT

GOVERNING BOARD

BY: \_\_\_\_\_

  
(DIRECTOR)  
JEFF ELLEDGE

BY: \_\_\_\_\_

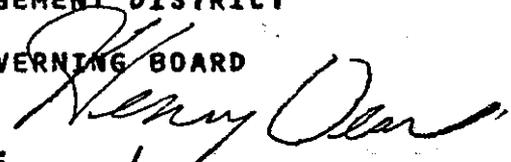
  
(ASSISTANT SECRETARY)  
HENRY DEAN

EXHIBIT A"

CONDITIONS FOR ISSUANCE OF PERMIT NUMBER 2-117-0257UVRM

PRINCE LAKE WOOD DBA SWEETWATER COUNTRY CLUB

DATED OCTOBER 10, 1995

1. DISTRICT AUTHORIZED STAFF, UPON PROPER IDENTIFICATION, WILL HAVE PERMISSION TO ENTER, INSPECT AND OBSERVE PERMITTED AND RELATED FACILITIES IN ORDER TO DETERMINE COMPLIANCE WITH THE APPROVED PLANS, SPECIFICATIONS AND CONDITIONS OF THIS PERMIT.
2. NOTHING IN THIS PERMIT SHOULD BE CONSTRUED TO LIMIT THE AUTHORITY OF THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT TO DECLARE A WATER SHORTAGE AND ISSUE ORDERS PURSUANT TO SECTION 373.175, FLORIDA STATUTES, OR TO FORMULATE A PLAN FOR IMPLEMENTATION DURING PERIODS OF WATER SHORTAGE, PURSUANT TO SECTION 373.246, FLORIDA STATUTES. IN THE EVENT A WATER SHORTAGE, IS DECLARED BY THE DISTRICT GOVERNING BOARD, THE PERMITTEE MUST ADHERE TO THE WATER SHORTAGE RESTRICTION AS SPECIFIED BY THE DISTRICT, EVEN THOUGH THE SPECIFIED WATER SHORTAGE RESTRICTIONS MAY BE INCONSISTENT WITH THE TERMS AND CONDITIONS OF THIS PERMIT.
3. PRIOR TO THE CONSTRUCTION, MODIFICATION, OR ABANDONMENT OF A WELL, THE PERMITTEE MUST OBTAIN A WATER WELL CONSTRUCTION PERMIT FROM THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT OR THE APPROPRIATE LOCAL GOVERNMENT PURSUANT TO CHAPTER 40C-3, FLORIDA ADMINISTRATIVE CODE. CONSTRUCTION, MODIFICATION, OR ABANDONMENT OF A WELL WILL REQUIRE MODIFICATION OF THE CONSUMPTIVE USE PERMIT WHEN SUCH CONSTRUCTION, MODIFICATION OR ABANDONMENT IS OTHER THAN THAT SPECIFIED AND DESCRIBED ON THE CONSUMPTIVE USE PERMIT APPLICATION FORM.
4. LEAKING OR INOPERATIVE WELL CASINGS, VALVES, OR CONTROLS MUST BE REPAIRED OR REPLACED AS REQUIRED TO ELIMINATE THE LEAK OR MAKE THE SYSTEM FULLY OPERATIONAL.
5. LEGAL USES OF WATER EXISTING AT THE TIME OF PERMIT APPLICATION MAY NOT BE SIGNIFICANTLY ADVERSELY IMPACTED BY THE CONSUMPTIVE USE. IF UNANTICIPATED SIGNIFICANT ADVERSE IMPACTS OCCUR, THE DISTRICT SHALL REVOKE THE PERMIT IN WHOLE OR IN PART TO CURTAIL OR ABATE THE ADVERSE IMPACTS, UNLESS THE IMPACTS CAN BE MITIGATED BY THE PERMITTEE.
6. OFF-SITE LAND USES EXISTING AT THE TIME OF PERMIT APPLICATION MAY NOT BE SIGNIFICANTLY ADVERSELY IMPACTED AS A RESULT OF THE CONSUMPTIVE USE. IF UNANTICIPATED SIGNIFICANT ADVERSE IMPACTS OCCUR, THE DISTRICT SHALL REVOKE THE PERMIT IN WHOLE OR IN PART TO CURTAIL OR ABATE THE ADVERSE IMPACTS, UNLESS THE IMPACTS CAN BE MITIGATED BY THE PERMITTEE.

7. THE DISTRICT MUST BE NOTIFIED, IN WRITING, WITHIN 30 DAYS OF ANY SALE, CONVEYANCE, OR OTHER TRANSFER OF A WELL OR FACILITY FROM WHICH THE PERMITTED CONSUMPTIVE USE IS MADE OR WITHIN 30 DAYS OF ANY TRANSFER OF OWNERSHIP OR CONTROL OF THE REAL PROPERTY AT WHICH THE PERMITTED CONSUMPTIVE USE IS LOCATED. ALL TRANSFERS OF OWNERSHIP OR TRANSFERS OF PERMITS ARE SUBJECT TO THE PROVISIONS OF SECTION 40C-1.612.
8. A DISTRICT-ISSUED IDENTIFICATION TAG SHALL BE PROMINENTLY DISPLAYED AT EACH WITHDRAWAL SITE BY PERMANENTLY AFFIXING SUCH TAG TO THE PUMP, HEADGATE, VALVE OR OTHER WITHDRAWAL FACILITY AS PROVIDED BY SECTION 40C-2.401, FLORIDA ADMINISTRATIVE CODE. PERMITTEE SHALL NOTIFY THE DISTRICT IN THE EVENT THAT A REPLACEMENT TAG IS NEEDED.
9. LANDSCAPE IRRIGATION IS PROHIBITED BETWEEN THE HOURS OF 10:00 A.M. AND 4:00 P.M., EXCEPT AS FOLLOWS:
  - A. IRRIGATION USING A MICRO-IRRIGATION SYSTEM IS ALLOWED ANYTIME.
  - B. THE USE OF RECLAIMED WATER FOR IRRIGATION IS ALLOWED ANYTIME, PROVIDED APPROPRIATE SIGNS ARE PLACED ON THE PROPERTY TO INFORM THE GENERAL PUBLIC AND DISTRICT ENFORCEMENT PERSONNEL OF SUCH USE. SUCH SIGNS MUST BE IN ACCORDANCE WITH LOCAL RESTRICTIONS.
  - C. IRRIGATION OF, OR IN PREPARATION FOR PLANTING, NEW LANDSCAPE IS ALLOWED ANY TIME OF DAY FOR ONE 30 DAY PERIOD PROVIDED IRRIGATION IS LIMITED TO THE AMOUNT NECESSARY FOR PLANT ESTABLISHMENT.
  - D. WATERING-IN OF CHEMICALS, INCLUDING INSECTICIDES, PESTICIDES, FERTILIZERS, FUNGICIDES, AND HERBICIDES WHEN REQUIRED BY LAW, THE MANUFACTURER, OR BEST MANAGEMENT PRACTICES IS ALLOWED ANYTIME WITHIN 24 HOURS OF APPLICATION.
  - E. IRRIGATION SYSTEMS MAY BE OPERATED ANYTIME FOR MAINTENANCE AND REPAIR PURPOSES NOT TO EXCEED TEN MINUTES PER HOUR PER ZONE.
0. IF CHEMICALS ARE INJECTED INTO THE IRRIGATION SYSTEM, THE WELL OR SURFACE PUMP MUST BE EQUIPPED WITH BACKFLOW PREVENTION DEVICES INSTALLED PURSUANT TO SECTION 5E-2.030, F.A.C.
1. THIS PERMIT WILL EXPIRE OCTOBER 12, 1998.
2. MAXIMUM ANNUAL GROUND WATER WITHDRAWALS FOR IRRIGATION MUST NOT EXCEED 90.0 MILLION GALLONS A YEAR.

3. MAXIMUM MONTHLY COMBINED GROUND WATER AND SURFACE WATER WITHDRAWALS MUST NOT EXCEED 6.0 MILLION GALLONS.
4. IN THE EVENT THAT RECLAIMED WATER IS MADE AVAILABLE TO THE PERMITTEE DURING THE DURATION OF THIS PERMIT, THE PERMITTEE MUST USE RECLAIMED WATER IN PLACE OF GROUND WATER UNLESS THE PERMITTEE DEMONSTRATES THAT SUCH USE IS NOT ECONOMICALLY FEASIBLE.
5. PERMITTEE MUST IMPLEMENT THE WATER CONSERVATION PLAN SUBMITTED TO THE DISTRICT ON MARCH 5, 1995 AND SUPPLEMENTED AUGUST 17, 1995 IN ACCORDANCE WITH THE SCHEDULE CONTAINED THEREIN.
6. WITHIN 2 YEARS OF PERMIT ISSUANCE THE PERMITTEE MUST UPGRADE THE EXISTING IRRIGATION TIMING SYSTEM USING ELECTRONIC CONTROLLERS AND A MASTER CONTROLLER. THIS SYSTEM MUST BE CAPABLE OF BEING USED AS PART OF A RECLAIMED WATER DISTRIBUTION SYSTEM.
7. WELLS NUMBERS 1 (JOCKEY PUMP), 2 AND 3, AS LISTED ON THE APPLICATION, CURRENTLY HAVE THE TOTALIZING FLOW METERS. THESE METERS MUST MAINTAIN 95% ACCURACY, BE VERIFIABLE AND BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.
8. TOTAL WITHDRAWALS FROM WELLS NUMBERED 1, 2 AND 3, AS LISTED ON THE APPLICATION, MUST BE RECORDED CONTINUOUSLY, TOTALLED MONTHLY, AND REPORTED TO THE DISTRICT AT LEAST EVERY SIX MONTHS FROM THE INITIATION OF THE MONITORING USING FORM NO. EN-50.
9. THE PERMITTEE MUST MAINTAIN ALL FLOW METERS. IN CASE OF FAILURE OR BREAKDOWN OF ANY METER, THE DISTRICT MUST BE NOTIFIED IN WRITING WITHIN 5 DAYS OF ITS DISCOVERY. A DEFECTIVE METER MUST BE REPAIRED OR REPLACED WITHIN 30 DAYS OF ITS DISCOVERY.
10. THE PERMITTEE MUST HAVE ALL FLOW METERS CHECKED FOR ACCURACY AT LEAST ONCE EVERY 3 YEARS WITHIN 30 DAYS OF THE ANNIVERSARY DATE OF PERMIT ISSUANCE, AND RECALIBRATED IF THE DIFFERENCE BETWEEN THE ACTUAL FLOW AND THE METER READING IS GREATER THAN 5%. DISTRICT FORM NO. EN-51 MUST BE SUBMITTED TO THE DISTRICT WITHIN 10 DAYS OF THE INSPECTION/CALIBRATION.
11. THE PERMITTEE MUST ACCEPT AND UTILIZE TREATED EFFLUENT FROM SANLANDO UTILITIES, OR ANY OTHER SOURCE, WHEN IT BECOMES AVAILABLE UNLESS THE PERMITTEE DEMONSTRATES THAT ITS USE IS NOT ENVIRONMENTALLY OR TECHNICALLY FEASIBLE. WHEN REUSE WATER IS ACCEPTED, THE PERMITTEE MUST MODIFY THIS PERMIT TO INCLUDE THE REUSE IN PLACE OF GROUND WATER FROM THE FLORIDAN AQUIFER.



**WATER  
MANAGEMENT  
DISTRICT**

Henry Dean, Executive Director  
John R. Wehle, Assistant Executive Director  
Charles T. Myers III, Deputy Assistant Executive Director

POST OFFICE BOX 1429 PALATKA, FLORIDA 32178-1429  
TELEPHONE 904-329-4500 SUNCOM 904-860-4500  
TDD 904-329-4450 TDD SUNCOM 860-4450  
FAX (EXECUTIVE/LEGAL) 329-4125 (PERMITTING) 329-4315 (ADMINISTRATION/FINANCE) 329-4508  
SERVICE CENTERS

618 E. South Street 7775 Baymeadows Way PERMITTING OPERATIONS  
Orlando, Florida 32801 Suite 102 305 East Dale Ave Wickham Road  
407-897-4300 Jacksonville, Florida 32256 Melbourne, Florida 32904 Palm Bay, Florida 32935-8109  
TDD 407-897-5960 904-730-6270 407-964-4340 407-254-1762  
TDD 904-730-7900 TDD 407-253-3688 TDD 407-253-1203

RECEIVED  
FEB 13 1996

SANLANDO UTILITIES CORP.

FEBRUARY 13, 1996

ORLANDO RESORT CORPORATION  
DBA SABAL POINT COUNTRY CLUB  
ATTN: JOE YORTY  
2662 SABAL CLUB WAY  
LONGWOOD, FL 32779

SUBJECT: CONSUMPTIVE USE PERMIT NO. 2-117-0227UVRM

ENCLOSED IS YOUR PERMIT AND THE FORMS NECESSARY FOR SUBMITTING INFORMATION TO COMPLY WITH CONDITIONS OF THE PERMIT AS AUTHORIZED BY THE GOVERNING BOARD OF THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT ON FEBRUARY 13, 1996. ALL COMPLIANCE INFORMATION MUST BE SUBMITTED TO THE DISTRICT'S PALATKA OFFICE, P. O. BOX 1429, PALATKA, FLORIDA 32178-1429.

PERMIT ISSUANCE DOES NOT RELIEVE YOU FROM THE RESPONSIBILITY OF OBTAINING PERMITS FROM ANY FEDERAL, STATE, AND/OR LOCAL AGENCIES ASSERTING CONCURRENT JURISDICTION FOR THIS WORK. THE ENCLOSED PERMIT WILL EXPIRE ON FEBRUARY 13, 2000.

IN THE EVENT YOU SELL YOUR PROPERTY, THE PERMIT WILL BE TRANSFERRED TO THE NEW OWNER IF WE ARE NOTIFIED BY YOU WITHIN THIRTY DAYS OF THE RECORDING OF THE SALE. PLEASE ASSIST US IN THIS MATTER SO AS TO MAINTAIN A VALID PERMIT FOR THE NEW PROPERTY OWNER.

THE PERMIT ENCLOSED IS A LEGAL DOCUMENT AND SHOULD BE KEPT WITH YOUR OTHER IMPORTANT DOCUMENTS. PLEASE READ THE PERMIT CAREFULLY SINCE YOU ARE RESPONSIBLE FOR COMPLIANCE WITH ANY PROVISOS WHICH ARE A PART OF THIS PERMIT. PROVISO COMPLIANCE IS A LEGAL REQUIREMENT AND YOUR ASSISTANCE IN THIS MATTER WILL BE GREATLY APPRECIATED.

ACCORDING TO CHAPTER 40C-2.401 AND SECTION 5.4 OF THE CONSUMPTIVE WATER USE HANDBOOK, A PERMANENT TAG WILL BE ISSUED BY THE DISTRICT FOR WELL IDENTIFICATION. THIS TAG IS PROMINENTLY DISPLAYED AT THE SITE OF WITHDRAWAL BY PERMANENTLY AFFIXING THE TAG TO THE PUMP, HEADGATE, VALVE, OR OTHER WITHDRAWAL FACILITY. FAILURE TO DISPLAY

William Segal, CHAIRMAN  
MAITLAND

Dan Roach, VICE CHAIRMAN  
FERNANDINA BEACH

James T. Swann, TREASURER  
COCOA

Otis Mason, SECRETARY  
ST. AUGUSTINE

Kathy Chinoy  
JACKSONVILLE

Griffin A. Greene  
VERO BEACH

James H. Williams  
OCALA

Patricia T. Harden  
SANFORD

Reid Hughes  
DAYTONA BEACH

ORLANDO RESORT CORPORATION  
PAGE TWO  
FEBRUARY 13, 1996

A WELL TAG SHALL CONSTITUTE VIOLATION OF A PERMIT CONDITION AND MAY, IF WILLFUL, BE GROUNDS FOR REVOCATION OF THE PERMIT. PLEASE REFER TO YOUR COPY OF 40C-2 IF YOU NEED FURTHER CLARIFICATION.

YOU WILL FIND ENCLOSED A COPY OF THE MAP SUBMITTED WITH YOUR APPLICATION, WITH EACH WELL'S LOCATION AND NUMBER IDENTIFIED. WHEN PLACING THE TAG ON THE WELL, REFER TO THIS MAP TO ENSURE PROPER WELL IDENTIFICATION.

IF YOU HAVE ANY QUESTIONS CONCERNING YOUR PERMIT COMPLIANCE INFORMATION, THE ATTACHED FORMS OR WELL TAGS, CONTACT ME AT 904-329-4274.

THANK YOU FOR YOUR INTEREST IN OUR WATER RESOURCES.

SINCERELY,



ROSIE PARKER, DATA CONTROL TECHNICIAN  
DIVISION OF PERMIT DATA SERVICES

ENCLOSURES: PERMIT WITH COMPLIANCE FORMS  
MAP  
WELL TAG(S)

CC: DISTRICT PERMIT FILE

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT  
POST OFFICE BOX 1429  
PALATKA, FLORIDA 32173-1429

PERMIT NO. 2-117-02270VBM

DATE ISSUED FEBRUARY 13, 1996

A PERMIT AUTHORIZING:

USE OF GROUND WATER FROM THE FLORIDAN AQUIFER AND SURFACE WATER FROM A STORMWATER POND TO IRRIGATE 71 ACRES OF GOLF TURF.

LOCATION:

SECTION 33 34 03 04, TOWNSHIP 20 21 SOUTH, RANGE 29 EAST  
SEMINOLE COUNTY  
SABAL POINT COUNTRY CLUB

ISSUED TO:  
(OWNER)

ORLANDO RESORT CORPORATION  
DBA SABAL POINT COUNTRY CLUB  
2662 SABAL CLUB WAY  
LONGWOOD, FL 32779

PERMITTEE AGREES TO HOLD AND SAVE THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AND ITS SUCCESSORS HARMLESS FROM ANY AND ALL DAMAGES, CLAIMS, OR LIABILITIES WHICH MAY ARISE FROM PERMIT ISSUANCE. SAID APPLICATION, INCLUDING ALL PLANS AND SPECIFICATIONS ATTACHED THERETO, IS BY REFERENCE MADE A PART HEREOF.

~~THIS PERMIT DOES NOT CONVEY TO PERMITTEE ANY PROPERTY RIGHTS NOR ANY~~  
RIGHTS OR PRIVILEGES OTHER THAN THOSE SPECIFIED HEREIN, NOR RELIEVE THE PERMITTEE FROM COMPLYING WITH ANY LAW, REGULATION OR REQUIREMENT AFFECTING THE RIGHTS OF OTHER BODIES OR AGENCIES. ALL STRUCTURES AND WORKS INSTALLED BY PERMITTEE HEREUNDER SHALL REMAIN THE PROPERTY OF THE PERMITTEE.

THIS PERMIT MAY BE REVOKED, MODIFIED OR TRANSFERRED AT ANY TIME PURSUANT TO THE APPROPRIATE PROVISIONS OF CHAPTER 373 OR 403, FLORIDA STATUTES AND 40C-1, FLORIDA ADMINISTRATIVE CODES:

PERMIT IS CONDITIONED UPON:

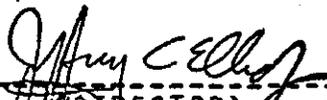
SEE CONDITIONS ON ATTACHED "EXHIBIT A", DATED FEBRUARY 13, 1996

AUTHORIZED BY: ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

DEPARTMENT OF RESOURCE MANAGEMENT

GOVERNING BOARD

BY: \_\_\_\_\_

  
(DIRECTOR)  
JEFF ELLEDGE

BY: \_\_\_\_\_

  
(ASSISTANT SECRETARY)  
HENRY DEAN

"EXHIBIT A"

CONDITIONS FOR ISSUANCE OF PERMIT NUMBER 2-117-0227UVRM

ORLANDO RESORT CORPORATION

DATED February 13, 1996

1. District authorized staff, upon proper identification, will have permission to enter, inspect and observe permitted and related facilities in order to determine compliance with the approved plans, specifications and conditions of this permit.
2. Nothing in this permit should be construed to limit the authority of the St. Johns River Water Management District to declare a water shortage and issue orders pursuant to Section 373.175, Florida Statutes, or to formulate a plan for implementation during periods of water shortage, pursuant to Section 373.246, Florida Statutes. In the event a water shortage, as declared by the District Governing Board, the permittee must adhere reductions in water withdrawals as specified by the District.
3. Prior to the construction, modification, or abandonment of a well, the permittee must obtain a Water Well Construction Permit from the St. Johns River Water Management District or the appropriate local government pursuant to Chapter 40C-3, Florida Administrative Code. Construction, Modification, or abandonment of a well will require modification of the consumptive use permit when such construction, modification or abandonment is other than that specified and described on the consumptive use permit application form.
4. Leaking or inoperative well casings, valves, or controls must be repaired or replaced as required to eliminate the leak or make the system fully operational.
5. Legal uses of water existing at the time of permit application may not be significantly adversely impacted by the consumptive use. If unanticipated significant adverse impacts occur, the District shall revoke the permit in whole or in part to curtail or abate the adverse impacts, unless the impacts can be mitigated by the permittee.
6. Off-site land uses existing at the time of permit application may not be significantly adversely impacted as a result of the consumptive use. If unanticipated significant adverse impacts occur, the District shall revoke the permit in whole or in part to curtail or abate the adverse impacts, unless the impacts can be mitigated by the permittee.

7. The District must be notified, in writing, within 30 days of any sale, conveyance, or other transfer of a well or facility from which the permitted consumptive use is made or within 30 days of any transfer of ownership or control of the real property at which the permitted consumptive use is located. All transfers of ownership or transfers of permits are subject to the provisions of section 40C-1.612, F.A.C..
8. A District-issued identification tag shall be prominently displayed at each withdrawal site by permanently affixing such tag to the pump, headgate, valve or other withdrawal facility as provided by Section 40C-2.401, Florida Administrative Code. Permittee shall notify the District in the event that a replacement tag is needed.
9. Golf course and recreational irrigation is prohibited between the hours of 10:00 a.m. and 4:00 p.m., except as follows:
  - A. Irrigation using a micro-irrigation system is allowed anytime.
  - B. Facilities using reclaimed water for irrigation may do so at anytime provided appropriate signs are placed on the property to inform the general public and District personnel of such use. Such signs must be in accordance with local restrictions.
  - C. The use of recycled water from wet detention treatment ponds to irrigate golf courses and recreational areas is allowed anytime provided the ponds are not augmented from any ground or off-site surface water sources.
  - D. Irrigation of, or in preparation for planting, new golf courses and recreational areas is allowed at any time of day for one 30 day period provided irrigation is limited to the amount necessary for plant establishment. Irrigation of newly seeded or sprigged golf course areas is allowed any time of day for one 60 day period.
  - E. Chemigation and fertigation are allowed at any time of day one time per week, and anytime during the normal 4:00 p.m. to 10:00 a.m. irrigation hours.
  - F. Watering in of chemicals, including insecticides, pesticides, fertilizers, fungicides, and herbicides when required by law, the manufacturer or best management practices is allowed anytime within 24 hours of application.

- G. Irrigation systems may be operated anytime for maintenance and repair purposes not to exceed ten minutes per hour per zone.
  - H. The use of water to protect golf course turf from heat stress damage is allowed anytime, provided the watering does not exceed ten minutes per hour per zone.
10. If chemicals are injected into the irrigation system, the well or surface pump must be equipped with backflow prevention devices installed pursuant to Section 5E-2.030, F.A.C.
  11. Whenever feasible, the permittee must use native vegetation that requires little supplemental irrigation for landscaping within the service area of the project.
  12. All submittals made to demonstrate compliance with this permit must include the CUP number 2-117-0227UVRM plainly labeled.
  13. This permit will expire 4 years from the date of issuance.
  14. Maximum annual ground water withdrawals for pond augmentation and golf course irrigation must not exceed 77.12 million gallons as monitored from well #1. The average annual water use should be less than this amount in all years except for a 2 in 10 year drought.
  15. The permittee must implement the Water Conservation Plan submitted to the District on April 30, 1995, in accordance with the schedule contained therein.
  - 16.A. The permittee must continue to actively negotiate with Sanlando Utilities to pursue acceptance of reclaimed water for golf course irrigation. Annual progress reports documenting these negotiations, and the progress of construction of reuse facilities by Sanlando, must be submitted to the District within 30 days of the anniversary date of permit issuance.
  - B. Cost estimates for an economic feasibility assessment for the use of reclaimed water to irrigate the applicant's property, and a proposed implementation plan to accept reclaimed wastewater for irrigation, must be submitted to the District on or before January 1, 1998. When reclaimed water becomes available to the golf course, it must be used instead of ground water withdrawals unless the permittee demonstrates that it is not economically or environmentally feasible.

- C. Each year after submittal of the permittee's reports, the reports will be forwarded to the Governing Board and will include a determination as to whether the permittee has complied with this condition.
17. A surveyed staff gauge, referenced to feet NGVD, must be maintained in the stormwater pond. Augmentation of the pond may only occur as follows:
- \* No augmentation may occur until the water level reaches a low of 50.7 feet NGVD.
  - \* When the water level has reached 50.7 feet NGVD, augmentation may begin and may only occur until the water level reaches 51.7 feet NGVD.
  - \* When the water level reaches 51.7 feet NGVD, augmentation must cease and may not begin again until the water level reaches 50.7 feet NGVD.
  - \* The permittee must report all augmentation cycles to the District, including dates the pond was augmented, the water level elevation prior to augmentation, the water level elevation after augmentation, and the amount of water pumped into the pond from well no. 1.
18. Within 6 months of issuance of this permit, the permittee must submit a site specific Integrated Pesticide Management Plan (IPMP). The IPMP must specify the usage of non-chemical or cultural means as the primary defense against nuisance and/or destructive pests. These non-chemical measures should include practices such as: the planting and maintenance of native vegetation where possible; the use of pest and/or disease tolerant vegetation; the proper selection and application of fertilizer; proper supplemental watering; the use of mulch for weed control; and, proper maintenance practices including mowing frequency, mowing height, mechanical dethatching, removal of dying or dead vegetation, etc.

The plan must also include information on the following:

- a. Insecticides, nematicides, fungicides or herbicides to be used;
- b. Method(s) of application;
- c. Time frames for use and application; and,
- d. For the pesticides that will be used, specification of:
  - Half-lives
  - N-Octanol/water partition coefficient (Kow)
  - Lethal dose coefficient (LD50)
  - Solubility

Any pesticide selected must exhibit a short half-life (<10 weeks), a low n-octanol/water coefficient (<5.0), and be suitable for use with local soils and groundwater pH conditions. The use of organochlorides and other pesticides either listed by EPA as canceled or suspended, or otherwise prohibited by state or federal law is not allowed.

19. Well no. 1, and pumps no. 1, 2, and 3, as listed on the application, must continue to be monitored with totalizing flowmeters. These meters must maintain 95% accuracy, be verifiable, and be installed according to the manufacturer's specifications.
20. Total withdrawals from well no. 1 and pumps no. 1, 2, and 3, as listed on the application, must be recorded continuously, totaled monthly, and reported to the District at least every six months from the initiation of the monitoring using District Form No. EN-50. The reporting dates each year will be as follows for the duration of the permit:

Reporting Period	Report Due Date
January - June	July 31
July - December	January 31

21. The permittee must maintain all flowmeters. In case of failure or breakdown of any meter, the District must be notified in writing within 5 days of its discovery. A defective meter must be repaired or replaced within 30 days of its discovery.
22. The permittee must have all flowmeters checked for accuracy once every 3 years within 30 days of the anniversary date of permit issuance, and recalibrated if the difference between the actual flow and the meter reading is greater than 5%. District Form No. EN-51 must be submitted to the District within 10 days of the inspection/recalibration.
23. The permittee must follow the recommendations set forth in the Florida Turf Grass Maintenance Manual compiled and published by the Institute of Food and Agricultural Sciences (IFAS) at the University of Florida.

## **Exhibit B**

### **Correspondence Relating to Golf Course Reuse**

We are providing the following correspondence and copies of the consumptive use permits for Sabal Point Country Club, Sweetwater Country Club, and Wekiva Golf Club. Each permit requires the use of reclaimed water when available and technically and economically feasible.

#### **DEP Correspondence:**

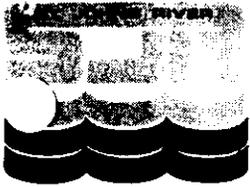
1. FDEP May 21, 1997 Letter to Third Party, info to Sanlando Utilities Corp.
2. Sanlando Utilities Corp. October 1, 1997 Letter to FDEP.

#### **SJRWMD Correspondence:**

1. Sanlando Utilities Corp. March 21, 1997 Letter to SJRWMD.
2. Sanlando Utilities Corp. May 23, 1997 Letter to SJRWMD.
3. October 10, 1997 Draft Technical Staff Report faxed to Sanlando Utilities Corp.
4. October 27, 1997 Draft Technical Staff Report mailed to Sanlando Utilities Corp.
5. Sanlando Utilities Corp. October 29, 1997 Letter to SJRWMD.

**Exhibit C**

Current Sanlando Utilities Corporation Consumptive Use Permit



**WATER  
MANAGEMENT  
DISTRICT**

**POST OFFICE BOX 1429**

**PALATKA, FLORIDA 32178-1429**

TELEPHONE 904-329-4500

SUNCOM 904-880-4500

TDD 904-329-4450

TDD 904-880-4450

FAX (Executive) 329-4125

(Legal) 329-4485

(Permitting) 329-4115

(Administration/Finance) 329-4508

**SERVICE CENTERS**

618 E. South Street  
Orlando, Florida 32801  
407-897-4300  
TDD 407-897-5960

7775 Baymeadows Way  
Suite 102  
Jacksonville, Florida 32256  
904-730-6270  
TDD 904-448-7900

PERMITTING  
305 East Drive  
Melbourne, Florida 32902  
407-984-4940  
TDD 407-722-5368

OPERATIONS:  
2133 N. Wickham Road  
Melbourne, Florida 32935-8109  
407-752-3100  
TDD 407-752-3102

**RECEIVED**  
NOV 17 1997  
SANLANDO UTILITIES CORP.

November 11, 1997

SANLANDO UTILITIES CORPORATION  
ATTN: JERRY M SALSANO  
P O BOX 3884  
LONGWOOD, FL 32791

SUBJECT: Consumptive Use Permit No. 2-117-0006UR2

Enclosed is your permit and the forms necessary for submitting information to comply with conditions of the permit as authorized by the Governing Board of the St. Johns River Water Management District on November 11, 1997. All compliance information must be submitted to the District's Palatka office, P. O. Box 1429, Palatka, Florida 32178-1429.

Permit issuance does not relieve you from the responsibility of obtaining permits from any federal, state, and/or local agencies asserting concurrent jurisdiction for this work. The enclosed permit will expire on November 11, 2004.

In the event you sell your property, the permit will be transferred to the new owner if we are notified by you within thirty days of the recording of the sale. Please assist us in this matter so as to maintain a valid permit for the new property owner.

The permit enclosed is a legal document and should be kept with your other important documents. Please read the permit carefully since you are responsible for compliance with any provisos which are a part of this permit. Proviso compliance is a legal requirement and your assistance in this matter will be greatly appreciated.

According to Chapter 40C-2.401 and Section 6.4 of the Consumptive Water Use Handbook, a permanent tag will be issued by the District for well identification. This tag is prominently displayed at the site of withdrawal by permanently affixing the tag to the pump, headgate, valve, or other withdrawal facility. Failure to display a well tag shall constitute violation of a permit condition and may, if willful, be grounds for revocation of the permit. Please refer to your copy of 40C-2 if you need further clarification.

You will find enclosed a copy of the map submitted with your application, with each well's location and number identified. When placing the tag on the well, refer to this map to ensure proper well identification.

William M. Segal, CHAIRMAN  
MAITLAND

Dan Roach, VICE CHAIRMAN  
FERNANDINA BEACH

James T. Swann, TREASURER  
COCOA

Otis Mason, SECRETARY  
ST. AUGUSTINE

Kathy Chinoy  
JACKSONVILLE

Griffin A. Greene  
VERO BEACH

James H. Williams  
OCALA

Patricia T. Harden  
SANFORD

Reid Hughes  
DAYTONA BEACH

SANLANDO UTILITIES CORPORATION  
Page Two  
November 11, 1997

If you have any questions concerning your permit compliance information,  
the attached forms or well tags, contact me at 904-329-4274.

Thank you for your interest in our water resources.

Sincerely,

*Gloria Jean Lewis*

Gloria Lewis, Director  
Division of Permit Data Services

Enclosures: Permit with compliance forms  
Map  
Well Tag(s)

cc: District Permit File

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT  
Post Office Box 1429  
Palatka, Florida 32178-1429

PERMIT NO. 2-117-0006UR2

DATE ISSUED November 11, 1997

A PERMIT AUTHORIZING:

USE OF GROUND WATER FROM THE FLORIDAN AQUIFER TO SUPPLY AN ESTIMATED POPULATION OF 55,027 PEOPLE IN 2004 WITH WATER FOR HOUSEHOLD, COMMERCIAL/INDUSTRIAL, IRRIGATION, AND WATER UTILITY TYPE USES.

LOCATION:

Section(s) 01/02 05 35 36, Township 21/22 South, Range 29 East  
Seminole County  
SANLANDO UTILITIES

ISSUED TO:

(owner)

SANLANDO UTILITIES CORPORATION  
ATTN: JERRY M SALSANO  
P O BOX 3884  
LONGWOOD, FL 32791

Permittee agrees to hold and save the St. Johns River Water Management District and its successors harmless from any and all damages, claims, or liabilities which may arise from permit issuance. Said application, including all plans and specifications attached thereto, is by reference made a part hereof.

This permit does not convey to permittee any property rights nor any rights or privileges other than those specified herein, nor relieve the permittee from complying with any law, regulation or requirement affecting the rights of other bodies or agencies. All structures and works installed by permittee hereunder shall remain the property of the permittee.

This Permit may be revoked, modified or transferred at any time pursuant to the appropriate provisions of Chapter 373 or 403, Florida Statutes and 40C-1, Florida Administrative Codes:

PERMIT IS CONDITIONED UPON:

See conditions on attached "Exhibit A", dated November 11, 1997

AUTHORIZED BY: St. Johns River Water Management District

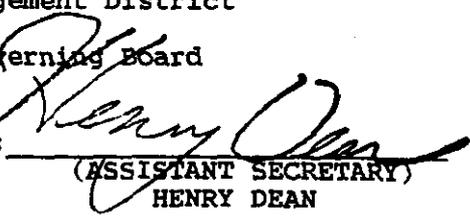
Department of Resource Management

Governing Board

By: 

DIRECTOR

JEFF ELLEDGE

By: 

(ASSISTANT SECRETARY)

HENRY DEAN

"EXHIBIT A"

CONDITIONS FOR ISSUANCE OF PERMIT NUMBER 2-117-0006UR2

SANLANDO UTILITIES CORPORATION

DATED November 11, 1997

1. District authorized staff, upon proper identification, will have permission to enter, inspect and observe permitted and related facilities in order to determine compliance with the approved plans, specifications and conditions of this permit.
2. Nothing in this permit should be construed to limit the authority of the St. Johns River Water Management District to declare a water shortage and issue orders pursuant to Section 373.175, Florida Statutes, or to formulate a plan for implementation during periods of water shortage, pursuant to Section 373.246, Florida Statutes. In the event a water shortage, as declared by the District Governing Board, the permittee must adhere reductions in water withdrawals as specified by the District.
3. Prior to the construction, modification, or abandonment of a well, the permittee must obtain a Water Well Construction Permit from the St. Johns River Water Management District or the appropriate local government pursuant to Chapter 40C-3, Florida Administrative Code. Construction, Modification, or abandonment of a well will require modification of the consumptive use permit when such construction, modification or abandonment is other than that specified and described on the consumptive use permit application form.
4. Leaking or inoperative well casings, valves, or controls must be repaired or replaced as required to eliminate the leak or make the system fully operational.
5. Legal uses of water existing at the time of permit application may not be significantly adversely impacted by the consumptive use. If unanticipated significant adverse impacts occur, the District shall revoke the permit in whole or in part to curtail or abate the adverse impacts, unless the impacts can be mitigated by the permittee.
6. Off-site land uses existing at the time of permit application may not be significantly adversely impacted as a result of the consumptive use. If unanticipated significant adverse impacts occur, the District shall revoke the permit in whole or in part to curtail or abate the adverse impacts, unless the impacts can be mitigated by the permittee.

7. The District must be notified, in writing, within 30 days of any sale, conveyance, or other transfer of a well or facility from which the permitted consumptive use is made or within 30 days of any transfer of ownership or control of the real property at which the permitted consumptive use is located. All transfers of ownership or transfers of permits are subject to the provisions of section 40C-1.612, F.A.C..
8. A District-issued identification tag shall be prominently displayed at each withdrawal site by permanently affixing such tag to the pump, headgate, valve or other withdrawal facility as provided by Section 40C-2.401, Florida Administrative Code. Permittee shall notify the District in the event that a replacement tag is needed.
9. If the permittee does not serve a new projected demand located within the service area upon which the annual allocation was calculated, the annual allocation will be subject to modification.
10. The permittee must ensure that all service connections are metered.
11. Landscape irrigation is prohibited between the hours of 10:00 a.m. and 4:00 p.m., except as follows:
  - A. Irrigation using a micro-irrigation system is allowed anytime.
  - B. The use of reclaimed water for irrigation is allowed anytime, provided appropriate signs are placed on the property to inform the general public and District enforcement personnel of such use. Such signs must be in accordance with local restrictions.
  - C. Irrigation of, or in preparation for planting, new landscape is allowed any time of day for one 30 day period provided irrigation is limited to the amount necessary for plant establishment.
  - D. Watering in of chemicals, including insecticides, pesticides, fertilizers, fungicides, and herbicides when required by law, the manufacturer, or best management practices is allowed anytime within 24 hours of application.
  - E. Irrigation systems may be operated anytime for maintenance and repair purposes not to exceed ten minutes per hour per zone.

12. All permittees must implement the conservation plan approved by the District in accordance with the schedule contained therein. A report detailing the progress of plan implementation must be submitted to the District on or before the midpoint of the permit duration.
13. Whenever feasible, the permittee must use native vegetation that requires little supplemental irrigation for landscaping within the service area of the project.
14. Construction must be in compliance with Subsection 553.14, F.S.
15. The Permittee must maintain the required flow meter(s) or other District approved flow measuring devices(s). In case of failure or breakdown of any meter or other device, the District must be notified in writing within 5 days of its discovery. A defective meter or other device must be repaired or replaced within 30 days of its discovery.
16. Total withdrawal from each monitored source must be recorded continuously, totalled monthly, and reported to the District at least every six months from the initiation of the monitoring using Form No. EN-50.
17. The Permittee must have any flow meter(s) calibrated once every 30 days of the anniversary date of permit issuance, and recalibrated if the difference between the actual flow and the meter reading is greater than 5%. District Form No. EN-51 must be submitted to the District within 10 days of the inspection/calibration.
18. All submittals made to demonstrate compliance for this permit must include the CUP number of 2-117-0006AUR2 plainly labeled.
19. This permit will expire November 11, 2004.
20. Maximum annual groundwater withdrawals from all wells must not exceed:

3,422.61 million gallons in 1997  
3,439.76 million gallons in 1998  
3,456.92 million gallons in 1999  
3,474.44 million gallons in 2000  
3,491.59 million gallons in 2001  
3,509.11 million gallons in 2002  
3,526.63 million gallons in 2003  
3,544.53 million gallons in 2004

21. The permittee must continue to implement the District approved alternative method for measuring flow using the plant master meters. This alternative method must continue to document that this alternative method meets the Districts requirement of being 90% accurate and the accuracy must be verifiable. If the alternative method does not meet the 90% accuracy and verifiability requirements, the permittee must use totalizing flow meters or another District approved alternative method for recording water use.
22. The permittee must continue compliance with the Water Conservation Plan submitted to the District on February 11, 1997 and all supplements in accordance with the schedule contained therein and/or as refined in conditions of this permit. The permittee must maintain a log of those activities completed as part of the plan. A report, detailing the progress of plan implementation, must be submitted to the District on or before May 1, 1999.
23. The permittee must begin conducting and submitting annual water audits, using the audit form provided by the District. The annual audits must span a 12-month period from January 1 through December 31 and be submitted to the District by May 31 for each year of permit duration.
24. The permittee must implement the reuse program as described in its consumptive use permit application submitted to the District on February 11, 1997. If reclaimed water is not being sent to the golf courses by January 1, 2000, the permittee must submit, to the District, reports summarizing the status of the reuse project. These reports must address implementation dates for the project and must include a breakdown of projected reuse volumes for each recipient for the duration of this permit.
25. The lowest quality water source, such as reclaimed water and surface/storm water, must be used to supply water use needs within the service area supplied by Sanlando Utility Corporation whenever it is deemed feasible pursuant to District rules and applicable state law.

SANLANDO UTILITIES CORPORATION  
DOCKET NO. 971186-SU

FLORIDA PUBLIC SERVICE COMMISSION  
DOCUMENT / RECORD REQUEST

Respondent: Sanlando Utilities Corporation

RE: Rosanne Gervasi (FPSC) Letter dated October 27, 1997

#8. Staff's Data Request. When are the permits expected to be approved?  
Utility's Response. Please refer to Item 7, above.

SANLANDO UTILITIES CORPORATION  
DOCKET NO. 971186-SU

FLORIDA PUBLIC SERVICE COMMISSION  
DOCUMENT / RECORD REQUEST

Respondent: Sanlando Utilities Corporation

RE: Rosanne Gervasi (FPSC) Letter dated October 27, 1997

#9. Staff's Data Request. Please provide any correspondence between the WMDs, the DEP and the utility regarding the permits since the applications were filed.

Utility's Response. See Exhibit "D" attached hereto.