ORIGINAL

UTILITIES, INC. OF FLORIDA

Docket No. 020271-WS 020071-WS.

Response to PSC Request

Dated July 19, 2002

Item 17

Seminole County

Weathersfield – WTP Construction Permit dated 5/19/1980
Oakland Shores – Most recent WTP Construction Permit dated 11/21/1997
Little Wekiva – WTP Construction Permit dated 2/9/1958
Park Ridge (Fairlane Estates S/D) – WTP Construction Permit dated 11/18/1959
Phillips – WTP Construction Permit dated 1/10/1956
Crystal Lake – WTP Construction Permit dated 12/21/1955
Ravenna Park – WTP Construction Permit dated 3/21/1984
Bear Lake – WTP Construction Permit dated 4/4/1960

Jansen – No construction permit located within FDEP files. Please refer to Sanitary Survey for PWS ID Number and pertinent system information.

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DOCUMENT NUMBER-DATE

09252 SEP - 38

ERSC-COMMISSION CLERK

This Space For Use By Approving District

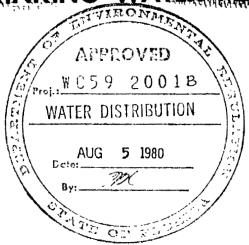


STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULAT



APPLICATION FOR PERMIT TO CONSTRUCT/ALTER

DRINKING WATER PLANT SYSTEM



This Space For Use By Approving District

Approval Date _____ Permit No. ____

To: THE DEPARTMENT OF ENVIRONMENTAL REGULATION	Date <u>May 19, 1980</u>
The Utilities Inc. of Florida (Insert title of body making application, i.e. mu	nicipality, corporation or individual)
whose address is 200 Weathersfield Ave. (Street and Number)	Altamonte Springs, Florida 32701
authorized by law to act for the said <u>Utilities Inc.</u>	of Florida (Insert city, town or corporation)
and to expend its funds for water supply and treatment works, her and other necessary data (including DER Form PERM 13-2A) prepared	rewith submit for consideration the plans and specifications.
Ivan R. Dory P.E.	
(Engineer or fi	mmee, Florida 32741
of Sof Carrettally Lane KISS1 (Address)	nunee, Frorida 32741
who is hereby authorized to represent the applicant in the engineering priate certification as to compliance with the approved plans and specific	ng features including supervision of construction and appro- fications of the project for the installation of
Plant modifications, water main and	
(Clearly describe new system, new plan	nt, modification, extension)
to serve Trailwoods I and II S/D locate (Subdivison, plant, school, other)	d at <u>Seminole</u> CO. (Location)
in/near the city of <u>Altamonte Springs</u> in the conference of Florida, as required by the regulations of the Department and her of this project.	county of <u>Seminole</u> o, State ewith make application to the Department for the approval
These plans, specifications and related documents will be approved and when they have received the approval of the Department.	accepted by Applicant (Board, Council, Directors, Etc.)
Upon construction, these facilities will be owned by See Cove	r letter and will be
operated and maintained by Ownership and respon	
Operation as indicated	, stilly, sol, of small,
(Street and Number)	(City or Town)
This application is made under and in full accord with the provisions of 403.850864, Florida Statutes. THE APPLICANTS AGREE THAT AND SPECIFICATIONS APPROVED BY THE DEPARTMENT WILL AL OF THE DEPARTMENT. FURTHER, THE APPLICANTS AGROPERATION AND OPERATIONAL FUNDS THAT ARE MADE AS	NO CHANGES IN OR DEVIATION FROM THE PLANS BE MADE EXCEPT WITH THE CONSENT AND APPROV- REE TO THE SPECIFIC REQUIREMENTS RELATIVE TO
is this application associated with or part of a Development of Regionand Chapter 22F-2, Florida Administrative Code? Yes X	onal Impact (DRI) pursuant to Chapter 380, Florida Statutes, No
REMARKS:	
	la la la
Preparation of engineering documents certified by:	SOLVEN NIN TRY CONTROL HOUSE
	Sam Sparks - Manager
Lory Nory	Typed name and Title of above
Signature. Engineer, régistered under Ployde Statutes	Signature: City Clerk, Board Secretary, Etc.
Ivan R. Dory 13587	Typed Name and Title of Above
Typed Name and Fla. Registration No.	Signature: Agent for Utility supplying water if Jifferent
AFFIX ENGINEER'S	Typed Name and Title: Agent for Utility supplying water
SEAL	Co-Signature: Agent for Operation and Maintenance if different
DER Form PERM 13-2 (Dec 77) Page 2 of 4	Typed Name and Title: Agent for Operation and Maintenance

INFORMATION REGARDING PROPOSED PUBLIC WATER WORKS

Submit comprehensive engineering report with all plans and specifications, and complete such portions of this form as relate to the treatment plant. (Use supplemental sheets if necessary.) Name of Water System Supplying Water Weathersfield S/D Previous approval Permit Number(s) WD 59-3330-I WD 59-3330-J WC 59-2001-A Est. Cost this Project: Supply \$ 10,000 Treatment \$ _____ Distribution \$ 50,000 **EXISTING SUPPLY AND TREATMENT FACILITIES:** 60,000 Total \$ ____ Supply <u>1.67</u> MGD, Treatment <u>1.67</u> Storage: Ground 100,000 gal. Elev. N/A gal: Pressure Tank 10,000 gal. Service Pumping 1250 gpm Utility is Capable of Supplying 1136 Equivalent Residential Connections. PROPOSED IMPROVEMENT OR DISTRIBUTION EXTENSION Plant increase ______ MGD Pressure Tank _____ Supply: ___ Gnd. Storage Elve. Storage Plant: Aerator _____ Chlorinator Auxiliary Switch over Service pumping 150 Aux. Power for ___ See remarks Present Population (municipality, institution, etc.) 3,021 Additional Population (served by this project) 997 Equivalent to 285 residential services. Present per capita consumption Per capita estimated future Give any industrial users or abnormal demands Interconnection with other system See remarks cross connections Residual pressure at peak load ________ P.S.I is fire control provided? _______ Yes_____ Describe dead-end conditions and necessity for flushing _____ List lengths of new pipe lines 6" and larger 1500' 12" 900' 8" Remarks To support existing emergency pumping capacity. The 6" metered tie in with the City of Altamonte Springs would provide an additional supply for emergency use.

PROVISOS

The plans for the proposed improvements cited in the foregoing application are hereby approved under authority of Chapter 403, the Florida Safe Drinking Water Act, Sections 403,850-,864, Florida Statutes with the following provisions:

- 1. Construction of this project must be commenced within one year from the date of this application; otherwise plans and specifications must be resubmitted for approval by this Department. The engineer of record in this application is responsible for supervision of the construction of this project and upon completion shall inspect for complete conformity to the plans and specifications as approved. A report of such inspection in writing and signed by the engineer shall be rendered to the interested County Health Department and to the Department of Environmental Regulation.
- 2. This approval is given with the understanding that upon the installation of such works, its operations shall be placed under the care of a competent person, whose qualifications are approved by the Department and the operation shall be carried out according to best accepted practice and in accordance with the requirements of the rules and regulations of the Department. This includes not only the provision of continuing essential funds for operation and maintenance of chemical supplies for plant operation: But also the funds for maintenance equipment and supplying the needs of a suitable water plant laboratory which is required for proper operation of this water treatment facility.
- 3. Water supply facilities including mains shall be installed, cleaned, disinfected, and bacteriologically cleared for service, in accordance with the latest applicable AWWA Standards and Department rules and regulations.
- 4. Where water and sewer mains cross with less than 18" vertical clearance, the sewer will be 20' of either cast iron pipe or concrete encased vitrified clay pipe, centered on the point of crossing. When a water main parallels a sewer main, a separation of at least 10' should be maintained where practical.

The official copies of plans and specifications accompanying this application have been sealed and stamped with the permit number as indicated hereon. Only such plans and specifications are included in this approval and any erasures, additions or alterations affecting the efficiency of operation or public health protective value of the proposed improvements will make such approval null and void.

District Manager		 	
Ву:	Agent	 	



Department of Environmental Protection



Lawton Chiles Governor

CERTIFIED MAIL Z 454 104 572

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

NOTICE OF PERMIT ISSUANCE

Virginia B. Wetherell Secretary

Utilities, Inc. of Florida 200 Weathersfield Avenue Altamonte Springs, FL 32714

Attention: Donald Rasmussen,

Seminole County - PW
Oakland Shores
Proposed Corrosion Control Facilities

Dear Mr. Rasmussen:

Enclosed is Permit Number WC59-0080875-001 to install blended phosphate feed equipment issued pursuant to Section 403.861(9), Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, within 14 days of receipt of this Permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The petition shall contain the following information; (a) the name, address, and telephone number of each petitioner, the applicant's name and address, the Department permit file number and the county in which the project is proposed; (b) a statement of how and when each petitioner received notice of the Department's action or proposed action; (c) a statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) a statement of the material facts disputed by petitioner, if any; (e) a statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) a statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and (g) a statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice in the

"Protect Conserve and Manage Florida's Environment and Natural Resources"

Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 62-103.070 (former Rule 17-103.070), F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Christianne C. Ferraro, P.E.

Program Administrator

Water Facilities

DATE:

FILING AND **ACKNOWLEDGEMENT** FILED, on this date, pursuant to §120.52(11), Florida Statutes. with the designated Department Clerk, receipt of which is hereby acknowledged.

CCF/fh/pp

Copies furnished to:

Michael T. Dunn, P.E. [Utilities, Inc. of Florida]

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT ISSUANCE and all copies were mailed before the

____ to the listed persons, by _____



GENERAL CONDITIONS:

- 9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
- 10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
- 11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and ¹62-30.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
- 12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
- 13. This permit also constitutes:
 - () Determination of Best Available Control Technology (BACT)
 - () Determination of Prevention of Significant Deterioration (PSD)
 - () Certification of compliance with state Water Quality Standards (Section 401, PL 92-500)
 - () Compliance with New Source Performance Standards
- 14. The permittee shall comply with the following:
 - (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - (c) Records of monitoring information shall include:
 - 1. the date, exact place, and time of sampling or measurements;
 - 2. the person responsible for performing the sampling or measurements;
 - 3. the dates analyses were performed;
 - 4. the person responsible for performing the analyses;
 - 5. the analytical techniques or methods used;
 - 6. the results of such analyses.
- 15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

Page 3 of

DEP Form 62-1.201(5) Effective November 30, 1982

¹ Chapter 62-30 was transferred to Chapter 62-730.

ments, limitations and restrictions set forth in this permit, are "permit conditions" and are nt to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on I review this permit periodically and may initiate enforcement action for any violation of

he specific processes and operations applied for and indicated in the approved drawings or ation from the approved drawings, exhibits, specifications, or conditions of this permit may and enforcement action by the Department.

7(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or condes it authorize any injury to public or private property or any invasion of personal deral, state, or local laws or regulations. This permit is not a waiver of or approval of may be required for other aspects of the total project which are not addressed in this

d or water, does not constitute State recognition or acknowledgement of title, and does use of submerged lands unless herein provided and the necessary title or leasehold the State. Only the Trustees of the Internal Improvement Trust Fund may express State

nittee from liability for harm or injury to human health or welfare, animal, or plant uction or operation of this permitted source, or from penalties therefore; nor does it on in contravention of Florida Statutes and Department rules, unless specifically went

and maintain the facility and systems of treatment and control (and related used by the permittee to achieve compliance with the conditions of this permit, as vision includes the operation of backup or auxiliary facilities or similar systems to the conditions of the permit and when required by Department rules.

specifically agrees to allow authorized Department personnel, upon presentation of equired by law and at reasonable times, access to the premises where the permitted

t must be kept under conditions of the permit; ces, or operations regulated or required under this permit; and ameters at any location reasonably necessary to assure compliance with this

he concern being investigated.

omply with or will be unable to comply with any condition or limitation immediately provide the Department with the following information:

; and

dates and times; or, if not corrected, the anticipated time the steps being taken to reduce, eliminate, and prevent recurrence of the

.1 damages which may result and may be subject to enforcement action by the ${\sf s}$ permit.

Page 2 of

PERMITTEE:

Utilities, Inc. of Florida

Attention: Donald Rasmussen

Permit Number: WC59-0080875-001

Date of Issue:

Expiration Date: 11/21/99 Project: Oakland Shores

Proposed Corrosion Control Facilities

SPECIFIC CONDITIONS:

1. General condition number 13 does not apply.

- 2. Upon completion, the Permittee shall notify the Department that these facilities were installed according to the approved design.
- 3. Where water and sewer mains cross with less than 18" vertical clearance, the sewer will be 20' of either ductile iron pipe or concrete encased vitrified clay or PVC pipe, centered on the point of crossing. When a water main parallels a sewer main a separation, measured edge to edge, of at least 10' should be maintained where practical.
- 4. This permit does not pertain to any wastewater, stormwater or dredge and fill aspects of this project.
- 5. The permittee will promptly notify the Department upon sale or legal transfer of the permitted facility. In accordance with General Condition #11 of this permit, this permit is transferable only upon Department approval. The new owner must apply, by letter, for a transfer of permit within 30 days.
- 6. Orthophosphate levels shall be monitored at the entry point to the distribution system every two weeks and reported on the monthly operational reports.
- 7. Permittee shall evaluate the installation of additional treatment if the corrosion control treatment selected under this Permit is not optimal or effective. Any additional treatment must be approved by the Department prior to installation.
- 8. Permittee shall ensure that all chemicals used for corrosion control are NSF approved.

9. Provisions for antisiphonage shall be incorporated into the design.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Christianne C. Ferraro, P.E.

Program Administrator

Water Facilities

ISSUED Nov. 21, 1997

ST. PETERSBURG

JOHN D. MILTON, M.D., MEMBER



Florida State Board of Health

TELEPHONE ELGIN 4-0161

WILSON T. SOWDER, M.D., M.P.H., STATE HEALTH OFFICER

JACKSONVILLE 1

POST OFFICE BOX 210

BUREAU OF SANITARY ENGINEERING LAVID B. LEE, M.S. IN ENG.

February 9, 1958

Seminole County MM/57 Little Wekiwe Estates 5/0 X: 5/0

Hr. Thomas E. Yandre 1901 University Drive Orlando, Florida

Dear Mr. Yandre:

Your attention is invited to our letter of approval covering the above project, dated February 7, 1958, wherein the Serial Number was listed as 2568.

Please correct your copy of latter to show the correct Serial Number, which should be Serial No. 2569.

Yours very truly,

J. B. Miller, Chief Water Supply & Treatment Section

DMS/eb.

cc: Mr. S. A. Berkowitz

cc: Seminole CND

cc: Central Suburban Utilities, Inc.

cc: FHA - Tampa cc: VA - Jax ST PETERSBURG

JOHN D MILTON, M.D., MEMBER



Florida State Board of Health

TELEPHONE ELGIN 4-0161

WILSON T. SOWDER, M.D., M.P.H., STATE HEALTH OFFICER

JACKSONVILLE 1

POST OFFICE BOX 210

BUREAU OF SANITARY ENGINEERING DAVID B. LEE, M.S. IN ENG. DIRECTOR February 7, 1958

IN REPLY PLEASE REFER TO

Seminole County	M/57
Little Wekiwa Estates	8/D
XI	S/D

Mr. Thomas E. Yandre 1901 University Drive Orlando, Florida

Dear Mr. Yandre:

This will acknowledge receipt of a report of chemical analysis on the water supply well for the Little Wekiwa Estates Subdivision. The analysis indicates that this water will not require treatment other than chlorination but consideration should be given to the use of stabilization treatment to prevent corresion.

Effective February 7, 1958 the water supply and distribution systems for the above subdivision are approved under our Serial No. 2568.

Within the next few days one set of the approved materials will be returned to you. Thank you for your cooperation.

Very truly yours,

J. B. Miller, Chief Water Supply & Treatment Section

JRE20h

oe: S. A. Berkowits //

ce: Seminole CHD

ce: Central Suburban Utilities, Inc.

cc: F.H.A.-Tampa

co: V. A.-Jax.

ST. PETERSBURG

CHARLES I. COLLINS, M.D. PRESIDENT ORLANDO

TAKE HOSE SULLIVAN G BEDELL, M D., MEMBER

JACKSONVILLE JOHN D. MILTON, M.D. MEMBER MIAMI



Florida State Board of Health

TELEPHONE ELGIN 4-0161

WILSON T SOWDER, M.D., M.P.H., STATE HEALTH OFFICER

JACKSONVILLE 1

POST OFFICE BOX 210

BUREAU OF SANITARY ENGINEERING DAVID B. LEE, M.S. IN ENG.

DIRECTOR

DIVISION OF WATER SUPPLY J. B. MILLER, M.P.H. DIRECTOR

November 18, 1909

IN REPLY PLEASE REFER TO

Sectrole			HH
Fairlane	Estates	9/0,	_
Ibit 1			M
Xs			SA
Xs			245

Brill & Gray, Engineers-Architects P.O. Nox 1007 Senford, Florida.

Attentions Mr. B. C. Bline, Jr.

Contiement

This will acknowledge receipt of the engineering plans and related documents resubmitted by your office to cover the construction of a new water supply, treatment and pumping plant and a new water distribution eyetem to seave a design population of 535 or a potential of approximately 153 single unit family house connections in Fairlanc Estates Subdivision. Unit 1. Seminole County. Florids.

Reference is made to your letter of August 25, 1989. It is stated the temporary 3.745 gallon hydrochemetic pressure tank shawn on the plans will be used to surve the approximately 153 houses shown on this project submission. When additional property adjacent to this treet is developed by your elient, additional plane will be prepared and submitted for approval indicating either the installation of the proposed 75,000 callen everheed water charges tank or further walls and pressure storage tanks, whichever proves to be economically feasible. This agency shall anticipate exhaission of such data for our review and possible approval prior to any further additions to the presently designed water plant facilities.

It is requested that you furnish us with a revised estimated total cost of the project same to encompass seveter and 10,000 gallen ground storage recorreir and appurtment additions to the original estimate. Your existnal estimate of wat treatment plant costs as reflected on page 1 of 6 of Flacida State Spand of Health data sheets is \$600.00. This figure is, of course, not compatible and should be edjusted to reflect true value of the entire treatment and pumping plant. The distribution system estimate of \$21,018.00 seems to be fair and resemble.

Effective November 18, 1959 the above project is approved under our Secial No. 3801.

This approval pertains only to the motor utilities serving this development and is not to be construed as approval of the sommence aspects. All concerned are reminded that approval must be obtained of both water and ecoage facilities prior to construction.

By copy of this latter to the ener, we are advising that approval is given functional aspects of this project on the books of representations to and data furnished this department. There may be county, numbringly or other local regulations or representations to be complied with by the court prior to construction of the featilities represented by the referred plane, and we, therefore, resummed that appropriate local agencies be consulted before starting environmentals.

Within the next few days one set of the approved materials will be returned to you. Thank you for your conserction.

Very truly yours,

J. B. Biller, Director Division of Water Supply

CHA / France

cas Seminole (35)

oes Mr. Gorden Folke

cas Mid-Floride Investment Co.

out Hone Ed. Co. Comm. Atts Zoning Dept.

cct RiA - Tampe

COL TA



STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

ST. JOHNS RIVER DISTRICT

3319 MAGUIRE BOULEVARD SUITE 232 ORLANDO, FLORIDA 32803-3767



BOB GRAHAM

VICTORIA J. TSCHINKEL SECRETARY A ALEXANDER, P.E. ALEX SENKEVICH DISTRICT MANAGER

Donald Rasmussen, Manager Utilities Inc of Florida 200 Weathersfield Avenue Altamonte Springs, Florida 32701

Dear Mr. Rasmussen:

Seminole County MW Phillips - Greenbriar S/D

Enclosed is Permit Number WC59-2030, dated /// / to install polyphosphate feed equipment, issued pursuant to Section 403.861, Florida Statutes.

Acceptance of the permit constitutes notice and agreement that the department will periodically review this permit for compliance, including site inspections where applicable, and may initiate enforcement actions for violation of the conditions and requirements thereof.

Sincerely,

A. Alexander, P.E. District Manager

RA/End

Enclosure

CC: Seminole County Health Department Joseph W. Rezek, P. E. Florida Public Service Commission

DER FORM 17-1.201(6) Effective November 30, 1982

JACKSONVILLE

EDWARD L. FLYNN, D.D.S., MEMBER

CHARLES J. COLLINS, M.D., MEMBER OPLANDO



Florida State Board of Health

TELEPHONE ELGIN 4-0161

WILSON T. SOWDER, M.D., M.P.H., STATE HEALTH OFFICER

POST OFFICE BOX 210

JACKSONVILLE 1

BUREAU OF SANITARY ENGINEERING DAVID B. LEE, M.S. IN ENG.

January 10, 1956

CHANGE THE PLEASE REPER TO

the section Section County 332 for many 1 Million and 1 con the section at Loch Arbor 8/D-Millips Sec. /51 . The Control of the market was the control of the

the many of the control of the first the first of the state of the sta to the country of the control of the

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DIRECTOR . .

Mr. Thomas E. Yandre and the second state of the second P. O. Box 3547 Orlando, Florida

Dear Mr. Yandres

The state of the state of . Tendre: A statistic of the control of the appropriately on a first leading.

We have your December 29, 1955 letter along with your January 5 and January 7. 1956 correspondence pertaining to the water quality and distribution system revisions to serve Lesh Arbor Subdivision, Phillips Section, Businels County, Florida. We have also received brinlingte complex of your revised distribution system prints dated Depember 23, 1955.

Referring now to your December 29, 1955 shemical analysis made on a water mample for which well permit Mod 1111 was given on November 15. 1955; we note the water appears to be satisfactory, containing no drop, 19 ppm of chioride, 150 ppm of total hardness, and having a calor value of 5. Your January 7, 1956 communication indicated that no hydrogen sulfide was detected by odor either at the beginning on and of your 64 diameter well pumpage tests. Therefore, besed on your semests and chamical analysis forwarded to this office, we will approve this source of water for use as a public supply.

There would appear to be, however, some possible discrepancy regarding the design population to be served by the proposed water system. Referring now to your supplementary data sheet, we note you show a design population of 150 persons, whereas your distribution system shows approximately 104 lots will be provided with individual single family metered mervice connections. Inasmich as this computes to only approximately 1.5 persons per lot, this appears quite low and it is requested that you either confirm or correct this by return mail so that our records will be complete. We note further that you have shown a per capita consumption of 250 gallons per day, which appears to be quite high for matered water service. Although there are some instances in this state where the per capita water consumption is this high, they are the exception rather than the rule, and we are wondering why such high consumption is expected in this instance when the service will be metered. Your comments regarding this will also be appreciated.

Referring now to page 1 of your engineering prints pertaining to the distribution system, we note that you have revised and slightly enlarged some of the main conduits supplying water into the residential development. We feel that cross-tying the northwest loop, adjacent to Mayfair Golf Course, with a 2" lateral along Sanford Road will be of benefit in equalizing pressures across this loop. Also, your decision to increase the pipe diameter in the central loop from 2" and 2 1/2" to 3" and 4" in diameter will materially improve hydraulic conditions throughout the distribution system as a whole. Our previous hydraulic analysis of the skeleton network indicates that ample pressures should be available.

Effective the above date, engineering and related documents submitted are approved under our Serial No. 1795 with the following provisos:

- 1. Water distribution systems and extensions represented by the plans and specifications referred to herein shall be limited to 104 single family metered service connections or equivalent.
- 2. Should the raw water quality deteriorate below standards recommended by the Florida State Board of Health, appropriate protective measures shall be taken immediately upon notification from the Florida State Board of Health.
- 3. Should the minimum regidual pressure drop to below 20 psig anywhere in the distribution system, appropriate measures shall be taken to increase the minimum pressure immediately upon notification from the Florida State Board of Health.

Within the next few days, one set of the approved documents, properly marked, will be returned to you for your files. Your cooperation with this office is appreciated.

Very truly yours,

J. B. Miller, Chief

Water Supply & Treatment Section

CAA/b1

ce: Seminole CHD

co: Mr. S. A. Berkowitz

cct F. H. A. - Jax.

co: Y. A. - Jax.

EDWARD L. FLYNN, D.D.S.. MEMBER

CHARLES J. COLLINS, M.D., MEMBER ORLANDO

(Mit office Contin)



Florida State Board of Health

TELEPHONE ELGIN 4-0:61

WILSON T. SOWDER, M.D., M.P.H., STATE HEALTH OFFICER

POST OFFICE

JACKSONVILLE 1

November 15, 1955

BUREAU OF SANITARY ENGINEERING

DAVID B. LEE, M.S. IN ENG.

DIRECTOR

IN REPLY PLEASE REPER TO

Seminole County WSW Loch Arbor S/D /51 Phillips Section

Farm and Home Machinery Company 11 X1 W 1901 University Drive 190

Orlando, Florida

Attention: Mr. Thomas E. Yandre

Dear Mr. Yandre:

Attached is Permit No. 1113 to drill a water supply well for the Farm and Home Machinery Company on the property of Loch Arbor, Sub-division, Phillips Section, about three miles west of Sanford in Seminole County, Florids.

This permit is issued for construction of the well with the understanding that it does not constitute approval of engineering plans, specifications, application forms, and supplementary data sheets, which have been submitted to this agency for review. We recommend that a water sample be taken from the completed well in order that a complete chemical analysis may be made, especially with regard to the amount of iron, color, sulfate, and chloride content. Also, the required bacteriological sampling shall be accomplished with appropriate results prior to placing the well in service.

It is our understanding that this well will be drilled in accordance with all provisions of Chapter 32 of the Florida State Sanitary Code, a copy of which is enclosed. It is requested that you retain cuttings from the drilling operations and a log of data be submitted to Dr. Herman T. Cunter, Florida Geological Survey, Tallahassee, in accordance with Sanitary Code requirements.

We regret the inadvertent delay in forwarding the well permit, and upon receipt of a chemical analysis made on water taken from the supply well after pumpage tests, we will be in a position to continue processing the engineering documents submitted and inform you accordingly. Upon completion of the well, please fill out and return one copy of the attached log to this office.

Very truly yours liller

B. Miller, Chief

Mater Supply & Treatment Section

CAA/bi

cc: Seminole CHD

cc: S. A. Berkowitz L

co: Fla. Geological Survey

Since the state of the state of the state of the

WILLIAM O. SHUMPERT, D.D.S., MEMBER FORT LAUDERDALE

W S HORN, DO., MEMBER BALMETTO



Florida State Board of Health

TELEPHONE ELGIN 4-0161

WILSON T. SOWDER, M.D., M.P.H., STATE HEALTH OFFICER

JACKSONVILLE 32201

POST OFFICE BOX 210

BUREAU OF SANITARY ENGINEERING

August 3, 1964

DAVID B. LEE, M.S. IN ENG.

IN REPLY PLEASE REFER TO

WH

/83

DIVISION OF WATER SUPPLY J. B. MILLER, M.P.H. DIRECTOR

SIDNEY A. BERKOWITZ, M.S. IN ENG. ASSISTANT DIRECTOR

Seminole County Phillips Section-Loch Arbor DIVISION OF SPECIAL SERVICES CHARLES E. COOK, C.E. DIRECTOR

(Greenbrian of Loch Arbor

DIVISION OF WASTE WATER RALPH H. BAKER, JR., M.S.S.E. DIRECTOR

Dayer Engineering, Incorporated Consulting Engineers Post Office Box J Morland Branch Mismi, Florida 33169

DIVISION OF INDUSTRIAL WASTE VINCENT D. PATTON, M.S.S.E. DIRECTOR

Gentlemen:

This will acknowledge receipt of plans and related documents pertaining to extension of the Phillips Section of Loch Arbor water distribution system to serve 26 singlefamily residential lots in Greenbriar of Loch Arbor, Seminole County, Florida.

Effective August 3, 1964 the above project plans and documents are approved under Serial No. 1796-A.

This approval pertains only to the water utilities serving this devalopment and is not to be construed as approval of the sewarage aspects. All concerned are reminded that approval must be obtained of both water and sewage facilities prior to construction,

By copy of this letter to the owner, we are advising that approval is given functional aspects of this project on the basis of representations to and data furnished this department. There may be county, municipal or other local regulations or restrictions to be complied with by the owner prior to construction of the facilities represented by the plans referred to above, and we, therefore, recommend that appropriate local agencies be consulted before starting construction.

Within the next few days, one set of the approved materials will be returned to you. Thank you for your cooperation.

Yours very truly,

WET/olb

cc-Seminole CHD cc-Mr. Gordon W. Folke, Box 6635, Orlando cc-Southern Gulf Utilities, Box J, Norland Branch cc-Hon, Bd. Co. Comm. cc-FHA - Tampa ce-VA-Jax

J. B. Miller



December 21, 1959

Seminole County WW /51
Loch Arbor S/D Crystal Lakes Section
X: S/D

Mr. Thomas Yandre P. O. Box 3547 Orlando, Florida

Dear Mr. Yandre:

We have your December 1h, 1955 letter regarding the proposed water supply and distribution system to serve Loch Arbor Subdivision-Cryetal Lakes Section in Seminals County, Florida. Instance as you have indicated that none of that portion of the distribution system shown located between Forget Drive and Homewood Drive will be constructed at this time, it appears that water service is contemplated to some 17 lots located on Crange Drive, Sunset Drive, and Vinewood Drive.

You will recall our September 9, 1955 communication to you regarding these facilities requested certain changes be made on the engineering plans; such changes being included on revised engineering prints dated July 11, 1955 to include the by-pass piping for a hydropneusatic tank and fencing around the pumping installation. However, we note from the specifications included on your prints that details were emitted regarding the pump capacity, pressure tank capacity, and well diameter. These details were, however, included on your original prints submitted and in order to expedite handling of these documents, we are transferring the notations to your revised prints. With regard to the notations made, we have included a 6" well casing for an estimated depth of 120', a well yield of 200 gpm at 10' drawdown, and disinfection of the well by pouring in 100 gallens of a hypochlorite solution. Your original prints showed that the well pump would discharge 150 gpm at 160' tdh and uso a 7-1/2 brake h.p. motor at 1750 rpm and further, having 40' of water lubricated discharge column and shaft all operating on three-phase, 220-volt, 60-cycle currents. The pressure tank, according to your prints, would have a capacity of 2000 gallons at a 75 pound working pressure.

Approval of this system is made with the condition that the notations indicated above are acceptable to you, all such items to be properly installed and maintained. Effective the above date engineering and related documents submitted are approved under our Serial No. 1786 with the following provisos:

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1: The water distribution system as represented by the engineering plans and specifications referred to herein are approved for service to 17 single family metered service connections, or equivalent.

2: Further additions to the distribution system will be accomplished only after the appropriate engineering plans and specifications have been submitted to and approved by the Florida State Board of Health.

Within the next few days one set of the approved prints, application forms, and supplementary data sheets, all properly marked, will be returned to you for further handling with your client. Your cooperation with this office is appreciated.

Yours very truly.

A. Hiller, Chief

Sater Sumply & Treatment Section

JHM: 1b : A to the second of t cor Seminole CHD The Art of the State of the Fig. 30 aptienting cos Mr. S. A. Berkowita cos Mr. Wellborn C. Phillips, Jr. the state of the s The second secon mentalis in the contraction of the property of the contraction of the contraction of the property of

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STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

ST. JOHNS RIVER DISTRICT

3319 MAGUIRE BOULEVARD SUITE 232 ORLANDO, FLORIDA 32803-3767



BOB GRAHAM GOVERNOR

VICTORIA J. TSCHINKEL SECRETARY

> A. ALEXANDER, DISTRICT MANAGER

Permittee:

Donald Rasmussen, Manager Utilities, Inc. of Florida 200 Weathersfield Avenue Altamonte Springs, Florida 32714 I. D. Number:
Permit/Certification
Number: WC59-2033

Date of Issue: MARCH 21,1984

Expiration Date: 6-20-84

County: Seminole
Latitude/Longitude:
Section/Township/Range:
Project: Ravenna Park

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-22 The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Construction of water plant modifications including aeration, storage, and high service pumping for control of hydrogen sulfide.

General Conditions 1 through 15 are attached to be distributed to the permittee and engineer only.

DER FORM 17-1.201(5) Effective November 30, 1982 Page 1 of 3

ERMITTEE:

I.D. Number:
Permit/Certification Number:
Date of Issue:
Expiration Date:

ENERAL CONDITIONS:

- 1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
- 2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
- 3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
- 4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
- 5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefor caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.
- 6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.
- 7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
 - a. Having access to and copying any records that must be kept under the conditions of the permit;
 - b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
 - c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

- 8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:
 - a. a description of and cause of non-compliance; and

DER Form 17-1.201(5) Effective November 30, 1982 Page 2 of ____

PERMITTEE: Donald Rasmussen, Manager I. D. Number:
Permit/Certification Number:
WC59-2033
Date of Issue:
Expiration Date: 6-20-84

SPECIFIC CONDITIONS:

- 1. General condition number 13 does not apply.
- 2. To obtain clearance of the facilities for service, the engineer of record shall submit a certification of completion letter to the department and a copy of satisfactory bacteriological sample results taken on two consecutive days from the new tank and from the treated water leaving the plant.
- 3. Where water and sewer mains cross with less than 18" vertical clearance, the sewer will be 20' of either cast iron pipe or concrete encased vitrified clay pipe, centered on the point of crossing. When a watermain parallels a sewer main a separation, measured edge to edge, of at least 10' should be maintained where practical.
- 4. This permit does not pertain to any wastewater, stormwater or dredge and fill aspects of this project.
- 5. An adequate valved drain line shall be provided on the ground storage tank for flushing purposes.

Issued this 21 day of MARCH,

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

District Manager A. Alexander, P.E.

2 Pages attached.

ST. PETERSBURG

SULLIVAN G. BEDELL, M.D., MEMBER Jacksonville

W. S. HORN, D.O., MEMBER



Florida State Board of Health

TELEPHONE ELGIN 4-0161

WILSON T. SOWDER, M.D., M.P.H., STATE HEALTH OFFICER

POST OFFICE

LACKSONVILLE 1

ANDEL 4, 1960

BUREAU OF SANITARY ENGINEERING

DAVID B. LEE, M.S. IN ENG

DIVISION OF WATER SUPPLY

J B MILLER, M.P.H.

IN REPLY PLEASE REFER TO

Sesinole Co. Kii Beer Lake Namer /M (Beer Lake Hills 5/3) Xi

The first of the second of the

Adl. Moult & Associations Consulting Engineers 2001 Edgewater Drive Orlands, Florida.

Contlames

This will acknowledge receipt of four sets of engineering plane, specifications and related documents covering extension of the Bear Lake Manor water distribution system to serve 104 lots in Bear Lake Hills Subdivision, Seminole County, Florida,

Effective April 4, 1960 this project is approved under our Serial No. 4063 with the following provisos:

- 1. In view of the limited ground storage facilities at the Hear Lake Manay water treatment plant no more than a total of 130 single family democstane or equivalent loading shall be made on to the plant.
- 2. A minimum residual pressure during peck load of 20 pei shall be meintained at the most remote point in the distribution system.

This approval pertains only to the water utilities serving this development and le not to be construed as approval of the emerage expects. All concerned are recinided that approval must be obtained of both water and sewage facilities prior to construction.

By copy of this letter to the owner, we are advising that approval is given functional aspects of this project on the basis of papersontations to and data functions this department. There may be county, semisipal or other local regulations or restrictions to be complied with by the owner prior to construction of the facilities represented by the referred plane, and we, therefore, recommend that appropriate local agencies be consulted before starting construction.

.E.O'Neell & Associator

orde - Seetaway or 11 April 4, 1960

TE OFFICERS

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within the next few days two sets of the approved meterials will be returned to "" " " your Thank you for your cooperation," | 1988

Very truly yours,

District of Weter Supply

Service of the servic

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State of Florida Department of Environmental Protection Central District

12-5 6/4/86

WATER TREATMENT PLANT COMPLIANCE INSPECTION REPORT

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Plant name Jansen S/D WTP Address Car Bear Lake Dr. / Som he Owner name (15) by the French of Florida	County Schanol	PWS ID	3590615
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Owner address 200 Weathers field Ave	Altamonte Spri	ngs Phone	same d
This inspection date 6/3/97 Last C.I.	date <u>5-14-97</u>	Last survey date	e <u>6-28-96</u>
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OPERATION & MAINTENANCE	STORAGE TANKS		
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Operator & certification class-number:		dropneumatic/flov	
Mike Gayaletz C5642	Tank type	LI LI	· in ough
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WELL		000 3000	
Number of wells 2 Standby well?	Gravity drain	-112	
Auxiliary power ⊠ yes ☐ no ☐ N/A	By-pass piping	1/°5	
6' x 6' x 4" pad ⊠ yes □ no Sanitary seal ☑ OK □	Pressure gauge	745	
Raw water tap:	On/Off pressure	050	
□ not smooth nosed	Sight glass	Vec	
Check valve	Fittings for sight glass	1405	
Fence/housing	Air release valve	1,60	
Sanitary hazards none placerved		7.72	
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Backflow prevention devices: ☑yes ☐no			
Cross-connections none observed			
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HAVE BEEN CORRECTED; FAILURE TO DO	1991 STATIN	I THE TAKING	TED DEFICIENCIES
ENFORCEMENT ACTION BY THE DEPARTMENT			
Protection, 3319 Maguire Blvd., Suite 232, Orla	ndo, Florida 32803. I	Phone:(407)894-	7555
Inspector Elizabeth M. D'Réill.	Title Eng. I	•	Date 6 /3/98
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