

State of Florida



RECEIVED-FPSC

09 AUG -4 PM 4:15

COMMISSION  
CLERK

# Public Service Commission

CAPITAL CIRCLE OFFICE CENTER • 2540 SHUMARD OAK BOULEVARD  
TALLAHASSEE, FLORIDA 32399-0850

**-M-E-M-O-R-A-N-D-U-M-**

---

**DATE:** August 4, 2009  
**TO:** Ann Cole, Commission Clerk - PSC, Office of Commission Clerk  
**FROM:** Thomas J. Walden, Utilities System Engineering Specialist, Division of Economic Regulation  
**RE:** Docket No. 090244-WU - TLP Water, Inc.

---

Attached are copies of documents filed by TLP Water, Inc. in support of its application for a staff-assisted rate case. Included are copies of a report dated April 24, 2006, prepared by Wicks Consulting entitled, "Replacement of the Hydropneumatic Tank, Piping Valves, and Plumbing; an application dated May 3, 2006, filed with the DEP to replace an existing hydropneumatic tank; an invoice dated July 9, 2008, from Wickes Consulting; a letter dated October 8, 2008, with map from Wicks Consulting, stating verification of a distribution line replacement; Notice of Permit Issuance from the DEP dated July 7, 2006; site plan of the water plant improvements dated June 26, 2008; memo dated July 18, 2008 from Wicks Consulting to Bill Carey dated June 26, 2008; letter dated June 3, 2008 from Wicks Consulting to the DEP requesting clearance for the water system improvements; and, a letter dated July 18, 2008, from DEP to Three Lakes Park, clearing new tank and relocation of hypochlorination equipment.

These documents should be placed in the docket file. Monthly operating reports from January 2008 through May 2009 have been retained in ECR for review.

TJW:kb

DOCUMENT NUMBER - DATE

08001 AUG-4 8

FPSC-COMMISSION CLERK



# Florida Department of Environmental Protection

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

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

July 18, 2008

Three Lake Park Co-Op Inc  
12315 U.S. Hwy 441, Lot 24  
Tavares, FL. 32778

Attention: William E. Carey, President

Lake County - PW  
Three Lakes Park  
PWS 3351579  
Hydropneumatic Tank

Dear Mr. Carey:

This acknowledges receipt of certification that the subject water distribution system extension has been completed in accordance with the plans and related materials permitted by this agency on Permit Number WD35-0080545-001 dated July 7, 2006 and that the system has passed the pressure and bacteriological tests that were conducted in accordance with the AWWA Standards.

Based on this certification and satisfactory bacteriological results, we are accepting the system for service.

Included in this project are:

- a new 2,000-gallon ASME Code horizontal hydropneumatic tank, located southwest of the existing 2,000-gallon hydropneumatic tank, which was removed.
- relocation of the existing hypochlorination facilities to a new chlorination structure located adjacent to the new hydropneumatic tank, with a new chlorine injection point on the new raw water line and associated piping, valves, 2-inch flow meter, controls & appurtenances.

The responsibility for the microbiological quality of the water at the time it ultimately reaches the consumer's meter remains entirely with the utility and/or the owner/operator of the system who should ensure that this quality remains as represented by the bacteriological test results presented. This letter of clearance does not preclude the need for obtaining acceptance by other entities as may be required.

Sincerely,

Kyle M. Kubanek E.I.  
Engineer III  
Drinking Water Permitting

KMK/lis

cc: Kenneth R. Wicks, P.E.  
DEP Compliance/Enforcement  
FDEP: Richard Lott, Paul Morrison, Kim Dodson, Cary Padell

[richard.lott@dep.state.fl.us](mailto:richard.lott@dep.state.fl.us); [paul.morrison@dep.state.fl.us](mailto:paul.morrison@dep.state.fl.us); [kim.dodson@dep.state.fl.us](mailto:kim.dodson@dep.state.fl.us);  
[cary.padell@dep.state.fl.us](mailto:cary.padell@dep.state.fl.us); [barbara.browning@dep.state.fl.us](mailto:barbara.browning@dep.state.fl.us); [bdcarev@comcast.net](mailto:bdcarev@comcast.net);  
[edwin@wicksconsulting.com](mailto:edwin@wicksconsulting.com)

08001 AUG-4 8

FPSC-COMMISSION CLERK

# Invoice

Wick's Consulting Services, Inc.

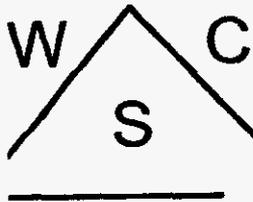
225 W Main Street  
Tavares, FL 32778

Date	Invoice #
7/9/2008	8328

Three Lakes MHP  
Mr. Bill Carey, President  
12315 US Hwy 441  
Tavares, Florida 32778

Terms	Project Name	Project Number
Net 30	3 Lakes MHP	

Item	Quantity	Description	Rate	Amount
W155C-CORRESP...	0.25	CORRESPONDENCE	90.00	22.50
W113C-SITE VISIT	1	SITE VISIT	90.00	90.00
C105C-CADD WO...	1	CADD WORK	90.00	90.00
W146C-RESEARC...	0.5	RESEARCH / FILES	90.00	45.00
P113F-WATER SY...	2	WATER SYSTEM CLEARANCE	50.00	100.00
W151C-DELIVER...	0.75	DELIVERY / PICKUP PLANS	90.00	67.50
E904-LETTER CO...	15	LETTER COPIES	0.10	1.50
E906-Ledger Copies	12	LEDGER COPIES	0.20	2.40
			<b>Total</b>	<b>\$418.90</b>



WICKS  
CONSULTING  
SERVICES, INC.

OFFICE: (352) 343-8667 • FAX: (352) 343-8665 • E-MAIL: admin@wicksconsulting.com  
225 West Main Street • Tavares, Florida 32778-3811

CERTIFIED MAIL 7007 2560 0000 5337 1839

June 3, 2008

Mr. Kyle Kubanek, E. I.  
Drinking Water Program, Permitting  
Florida Department of Environmental Protection  
3319 Maguire Blvd Ste 232  
Orlando FL 32803-3767

REF: Three Lakes Park  
PWS ID #3351579  
WC-0080545-001

Dear Kyle:

In reference to the project noted above, the permit clearance requirements for two (2) consecutive days of bacteriological sampling and analysis has been researched. Enclosed is a copy of the Drinking Water Bacteriological Sample Collection and Laboratory Reporting Format results for the referenced system. Apparently, the samples were collected by the plant operator and submitted directly to the Department under separate cover. This was intended to meet the conditions in the referenced Permit. We were not provided a copy of the report for submittal with the request for clearance dated February 23, 2007.

Please review the attached report and determine if the sampling and analysis meets the requirements specified in the Permit or whether further sampling and analysis is necessary.

Thank you for your attention to this issue.

Sincerely,

Ted Wicks, P.E.

TW:kh

Enclosure

xc: Bill Carey

COPY

06109/2008-06-03 Resp to FDEP re BacTs

# Invoice

Wick's Consulting Services, Inc.  
 225 W Main Street  
 Tavares, FL 32778

Date	Invoice #
9/25/2007	7208

Bill To

Three Lakes MHP  
 Mr. Bill Carey, President  
 12315 US Hwy 441  
 Tavares, Florida 32778

Terms	Project Name
Net 30	3 Lakes MHP

Item	Quantity	Description	Rate	Amount
P113-WATER SYS...	1	WATER SYSTEM CLEARANCE	90.00	90.00
			<b>Total</b>	<b>\$90.00</b>

**DRINKING WATER BACTERIOLOGICAL SAMPLE COLLECTION AND LABORATORY REPORTING FORMAT**

PLANT TECHNICIANS, INC. LAB CERTIFICATION #E83141 QAB 870255  
 P.O. BOX 447 FRUITLAND PARK, FL 34731  
 OFFICE: 352-787-2944 LAB: 352-787-6689 FAX: 352-787-3196

Lab Receipt Date & Time 7/1/08 1245  
 Analysis Date & Time 7/1/08 1326  
 SAMPLE ACCEPTANCE CRITERIA:  
 Sample Preservation  On Ice  Not On Ice Y C  
 Disinfectant Check  Not Detected ng/L  
 This Sample does not meet the following NELAC requirements

Report Number \_\_\_\_\_ Sub-Contract Lab ID \_\_\_\_\_  
 ANALYSIS REQUESTED (please check all that apply)  
 Standard Coliforms Test  
 HPC  Other

System Name: Three Lakes Mobile Home Park PHS I.D. 3351579

System address: 12315 Hwy 441 City: Tammas Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Collector: Pat Bramblett, DWT Phone: (321) 728-3524 Fax: \_\_\_\_\_

TYPE OF SUPPLY: (check only one)  
 Community Water System  Noncommunity Water System  Nontransient Noncommunity Water System  Limited Use System  
 Private Well  Swimming Pool  Bottled Water  Other

REASON FOR SAMPLING: (check only one)  
 Routine Compliance  Repeat  Replacement  Main Clearance  Well Survey  Other

SAMPLE COLLECTION DATE 07/01/08 2nd consecutive Day

To be completed by collector of sample						To be completed by lab				
Sample Number	Sample point (location or Specific Address)	Collection Time	Sample Type	Disinfect Res'd (mg/L)	PH	Total Coliforms Analysis Method		Fecal or E. Coli Analysis Method		Lab Sample #
						Non Coliforms	Total Coliforms	Fecal or E. Coli	Data Qualif 2	
TL2	DIST. P.O.E.	1045	N	1.0		A	A			0507-074

Average of disinfectant residuals for routine and repeat samples. (Complete for community and non-transient non-community systems serving populations up to and including 4,900. Do not include raw or plant samples in the average)

2 Defined in Florida Administrative Code Rule 62-160, Table 1. All test are performed in accordance with NELAC standards.

Disinfectant Residual Analysis Method  DPD Colorimetric  Other \_\_\_\_\_  
 Person performing analysis is (Please see instructions on reverse):  
 Certified operator# \_\_\_\_\_  Employed by a certified lab \_\_\_\_\_  
 Supervised by a cert operator# \_\_\_\_\_  Employed by DEP or DDM \_\_\_\_\_

Date PWS notified by lab of positive result \_\_\_\_\_  
 Date State notified by lab of positive result \_\_\_\_\_  
 Lab Signature: \_\_\_\_\_  
 Title: \_\_\_\_\_

NAME AND MAILING ADDRESS OF PERSON TO RECEIVE REPORT  
Give to PAT  
QWT

DEP/DOH USE ONLY  
 Satisfactory  Incomplete Collection Information  
 Repeat Samples Required  Replacement Sample Required  
 Date Reviewed by DEP/DOH \_\_\_\_\_  
 DEP/DOH Reviewing Official \_\_\_\_\_

DRINKING WATER BACTERIOLOGICAL SAMPLE COLLECTION AND LABORATORY REPORTING FORMAT

PLANT TECHNICIANS, INC. LAB CERTIFICATION #E83141 QAB 870255  
 P.O. BOX 447 FRUITLAND PARK, FL 34731  
 OFFICE: 352-787-2944 LAB: 352-787-6689 FAX: 352-787-3196

Report Number \_\_\_\_\_ Sub-Contract Lab ID \_\_\_\_\_

ANALYSIS REQUESTED (please check all that apply)  
 Standard Coliform Test

HPC \_\_\_\_\_ Other \_\_\_\_\_

Lab Receipt Date & Time 7/1/08 1240  
 Analysis Date & Time 7/1/08 1324  
 SAMPLE ACCEPTANCE CRITERIA:  
 Sample Preservation  On Ice  Not On Ice Y/C  
 Disinfectant Check  Not Detected \_\_\_\_\_ mg/L  
 This Sample does not meet the following NELAC requirements

System Name: Three Lakes Mobile Home Park PHS I.D. 3351579

System address: 12315 Hwy 441 City: Tarves Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Collector: Pat Bramlett, DWT Phone: (352) 728-3524 Fax: \_\_\_\_\_

TYPE OF SUPPLY: (check only one)  
 Community Water System  Noncommunity Water System  Nontransient Noncommunity Water System  Limited Use System  
 Private Well  Swimming Pool  Bottled Water  Other

REASON FOR SAMPLING:  Routine Compliance  Repeat  Replacement  Hydro tank to Main Clearance  Well Survey  Other

SAMPLE COLLECTION DATE 06/30/08 1st consecutive Dm

To be completed by collector of sample						To be completed by lab				
Sample Number	Sample point (location or specific address)	Collection Time	Sample Type	Disinfect Res'd (mg/L)	PH	Total Coliform Analysis Method				
						Fecal or Non Coliform	E. Coli	Analysis Method	Data Qualif 2	Lab Sample #
<u>TL1</u>	<u>DIST. P.D.E.</u>	<u>1525</u>	<u>N</u>	<u>1.0</u>		<u>A</u>	<u>A</u>			<u>002-073</u>

Average of disinfectant residuals for routine and repeat samples. (Complete for community and non-transient non-community systems serving populations up to and including 4,900. Do not include raw or plant samples in the average)

2 Defined in Florida Administrative Code Rule 62-160, Table 1. All test are performed in accordance with NELAC standards.

Disinfectant Residual Analysis Method  DPB Colorimetric  Other \_\_\_\_\_

Date PWS notified by lab of positive result \_\_\_\_\_

Person performing analysis is (Please see instructions on reverse):  
 Certified operator  Employed by a certified lab

Date State notified by lab of positive result \_\_\_\_\_

Supervised by a cert operator?  Employed by DEP or DOH \_\_\_\_\_

Lab Signature: \_\_\_\_\_

Title: \_\_\_\_\_

NAME AND MAILING ADDRESS OF PERSON TO RECEIVE REPORT  
Give to PAT  
DWT

DEP/DOH USE ONLY  
 Satisfactory \_\_\_\_\_ Incomplete Collection Information \_\_\_\_\_  
 Repeat Samples Required \_\_\_\_\_ Replacement Sample Required \_\_\_\_\_  
 Date Reviewed by DEP/DOH \_\_\_\_\_  
 DEP/DOH Reviewing Official \_\_\_\_\_



P. 352-343-6667 F. 352-343-6668  
225 W. MAIN ST. TAVARES, FL 32773 > WWW.WICKSCONSULTING.COM

---

## MEMORANDUM

**TO:** Bill Carey, President  
Three Lakes Park Co-Op Inc.

**FROM:** Ted Wicks, P.E.

**DATE:** June 26, 2008

**REF:** Three Lakes Park Water System

---

Pursuant to my letter dated June 17, 2008, the response to Item #43 and #45 (a), (c), (d), & (e) are enclosed. The two (2) day bacteriological test results must be attached to the Clearance Request which is enclosed. Also, you must execute the Clearance Request as noted and forward it to the FDEP with one copy of the other information requested. The packet should be sent Certified Mail Return Receipt or Hand Delivered and request a stamped receipt by FDEP.

Please return one copy of the executed FDEP form to our office for our files. I have enclosed an extra copy of the Plans, my response letter, and the Pump & Tank info for your file. Please call me if you have any questions regarding the above.

**Enclosures:** 2 - FDEP Form for Execution  
2 - Signed & Sealed Plans  
2 - Wicks response items, Signed & Sealed  
2 - Pump and Tank Specs

06109/2008-06-26 Memo to BCarey

**Three Lakes Park**

**DRINKING WATER FACILITY**

**REPLACEMENT OF THE HYDROPNEUMATIC TANK, PIPING,  
VALVES, AND PLUMBING**

**FDEP Public Water System No. 3351579**

**Owned & Operated By:**

**Three Lakes Park Co-Op, Inc.  
Mr. William Carey, President  
12315 U.S. Hwy 441  
Tavares, FL 32778**

**Prepared For:**

**Florida Department of Environmental Protection  
Central District Office  
Drinking Water Section  
3319 Maguire Blvd. Ste 232  
Orlando FL 32803-3767**

**Report Prepared By:**

**Wicks Consulting Services, Inc.  
225 W. Main Street  
Tavares, FL 32778  
(352) 343-8667**

**APRIL 24, 2006**



## TABLE OF CONTENTS

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Introduction .....	1
Existing Water System Tank Failure .....	1
Proposed Hydropneumatic Tank, Piping, Valves, and Plumbing .....	1
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### APPENDIX

Water Plant Plan Drawings

*MWA*  
5/03/06

**Three Lakes Park  
Drinking Water Facility  
Public Water System No. 3351579**

**Replacement of the Hydropneumatic Tank, Piping, Valves, & Plumbing**

**Introduction**

The Three Lakes Park Drinking Water Facility (WTF) presently operates under the pervue of the Florida Department of Environmental Protection (FDEP). The facility consists of one (1) 4-inch ground water well, a liquid sodium hypochlorite chlorination system for disinfection, and a 2,000 gallon (gross) hydropneumamatic ground storage tank. The Three Lakes Park WTF is classified as a community system.

The facility FDEP permitted design capacity is 0.086 mgd. The maximum daily flow for the preceding 12 months, as reported on the FDEP monthly operating reports, is 0.041 MGD. The average daily flow has been 0.0014 mgd (excluding leaking hydro tank reported flows).

**Existing Water System Tank Failure**

The existing 2,000 gallon hydropneumatic tank began leaking and upon inspection by a competent utility contractor, it was determined un-repairable. FDEP, Central District Office, Drinking Water Section, was contacted and apprised of the situation. Approval was given to place a temporary hydropneumatic tank into service and take the leaking tank off line. This was accomplished and the WTF is currently operating in this mode.

**Proposed Hydropneumatic Tank, Piping, Valves, & Plumbing**

The existing 2,000 gallon hydropneumatic tank will be replaced by a 2,000 gallon ASME Code, steel tank with two interior coats of Tinemec 20 white. The proposed tank will be placed on an existing 4" concrete slab adjacent to the existing well location. The proposed tank locations, piping layout and system connections are shown on the attached project plan drawing Sheets 1-4 of 4.

The proposed system will be installed upon approval by the Department and will be completed in two working weeks. The Department will be notified by the owner when the change-over will be done and also upon completion of the change-over. All installation and testing will be completed within 60 days of receipt of approval from the Department.

### Required Detention Time Calculations

Required Detention Time: 15 Minutes @ peak flow  
Peak Flow (FDEP Permit): 86,000 gallons/day  
Tank Volume: 1,400 gallons (effective capacity)

$$\text{Detention Time} = \frac{1,400 \text{ gallons}}{86,000 \text{ gal / day}} \times 24 \text{ hrs / day}$$

$$0.4 \text{ hours} \times 60 \text{ min/hr} = 23.4 \text{ min.} - \text{OK}$$

### Alternate Calculation:

Max Daily Flow = 41,000 gallons/day (from MOR's)

$$\text{PF @ 2} = \frac{82,000 \text{ gallons}}{16 \text{ hours}} = 5,125 \text{ gpd}$$

$$\text{Detention Time} = \frac{1,400 \text{ gal}}{5,125 \text{ gal / hr}} \times 60 \text{ min / hr} = 16.4 \text{ min.} - \text{OK}$$

## EXHIBIT "A"

REGISTERED PROFESSIONAL ENGINEER.....	\$125.00
PLANNER / LAND USE SPECIALIST.....	\$ 75.00
CERTIFIED ENVIRONMENTAL ASSESSOR.....	\$ 75.00
ENGINEERING ASSISTANT.....	\$ 60.00
CONSTRUCTION INSPECTOR .....	\$ 60.00
ENGINEERING TECHNICIAN AND/OR CADD SPECIALIST.....	\$ 45.00
WORD PROCESSING.....	\$ 40.00
CLERICAL.....	\$ 30.00

REIMBURSABLE EXPENSE – OUT-OF-POCKET EXPENSE  
BILLED AT ACTUAL COST, PLUS AN ADMINISTRATIVE CHARGE OF 10%

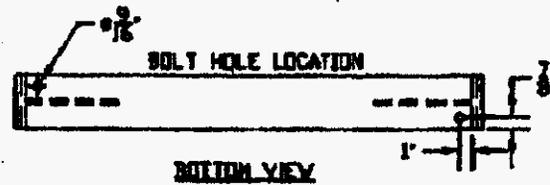
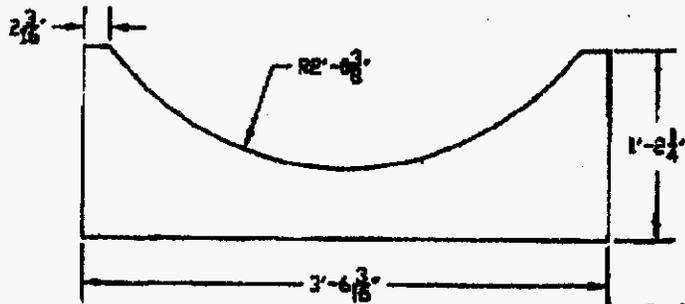
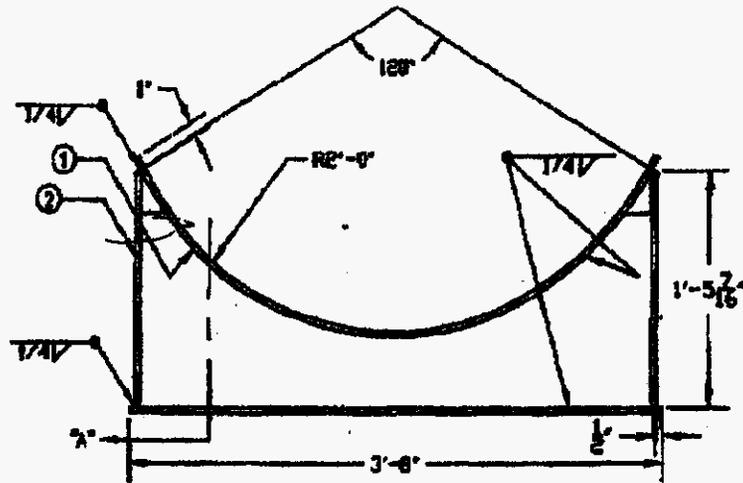
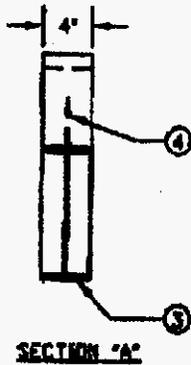
MILEAGE IS BASED UPON \$.45 PER MILE

BLUEPRINTS: 24" X 35" SHEETS.....\$2.00 EACH  
OVERSIZED SHEETS: \$2.50 EACH

XEROX: LETTER-\$.10; LEGAL-\$.15; LEDGER-\$.20

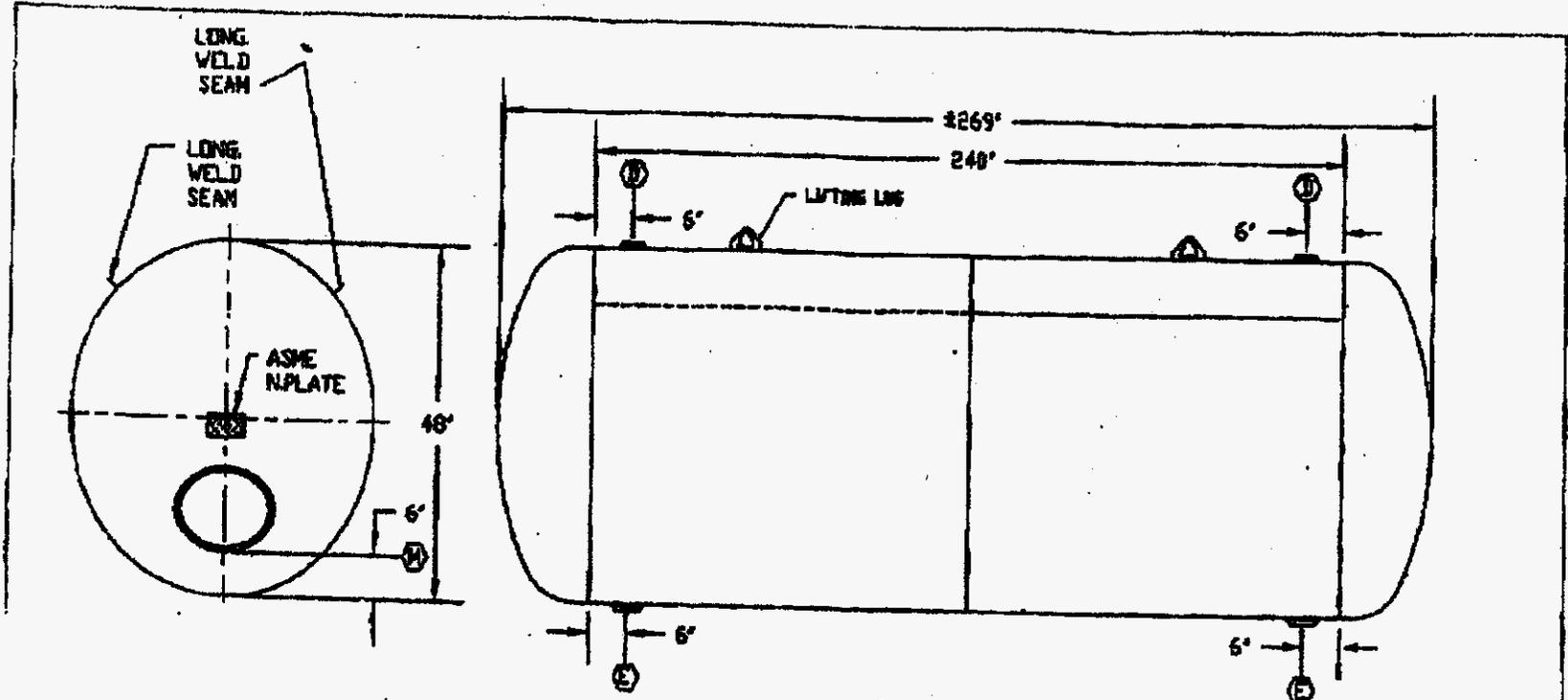
FAX-TRANSMITTAL: \$5.00 PER PAGE  
FAX-RECEIPT: \$1.00 PER PAGE

**ALL APPLICATION FEES, INSPECTION FEES, AND/OR PERMIT FEES OF ANY  
KIND DUE COUNTY, STATE OR REGULATORY AGENCIES, ARE THE  
RESPONSIBILITY OF CLIENT.**



**APPROVED** *b. w. w.* **DATE** 8/30/06

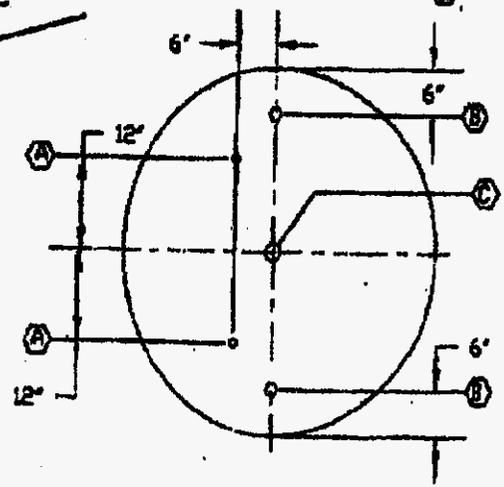
ITEM	QTY.	DESCRIPTION	MAT'L	
1	1	4" X 3/8" FB X 4'-4 5/8"	SA-36	DIXIE TANK CO. TITLE: 48" ASME SADDLE W/6" CLR. DATE: 4/23/99 WEIGHT: 82# DWG. NO: R04806 REV. 0
2	2	4" X 3/8" FB X 1'-5 7/16"	SA-36	
3	1	4" X 3/8" FB X 3'-8"	SA-36	
4	1	1/4" PL X 14 1/4" X 3'-6 3/16"	SA-36	



**APPROVED**

*I. Wick*  
 3/30/06  
 DATE  
 3" NPT

INTERIOR PAINT:  
 TWO COATS OF TMEC SERIES 20 (WHITE)  
 EXTERIOR PAINT:  
 ONE COAT OF RED OXIDE UNIVERSAL PRIMER



MARK	QTY	DESCRIPTION	MARK	QTY	DESCRIPTION	DIXIE TANK CO. JACKSONVILLE, FLORIDA  TITLE: 2036/48"HPT-100VP-E-ASME  SKETCH NO. SA2036
A	2	1/2" 3000# NPT FULL COUPLING	M	1	12"x16"x3/4"x3" ELLIP. MANWAY	
B	2	1" 3000# NPT FULL COUPLING				
C	1	1-1/4" X-HVY NPT TANK FLANGE				
D	2	2" X-HVY NPT TANK FLANGE				
E	2	3" X-HVY NPT TANK FLANGE				



Consulting Services, Inc.

P. 352-343-8667 F. 352-343-8665

225 W MAIN ST TAVARES, FL 32778 > WWW.WICKSCONSULTING.COM

**CERTIFIED MAIL 7004 0750 0003 4322 0267**

October 8, 2008

Mr. Manuel Cardona  
Drinking Water Compliance  
Florida Department of Environmental Protection  
3319 Maguire Blvd Ste 232  
Orlando FL 32803-3767

REF: Three Lakes Park  
PWS ID #3351579  
Distribution System Replacement

Dear Mr. Cardona:

I have inspected the 2-inch PVC pipe that was installed as a replacement for portions of the existing potable water distribution system at the Three Lakes Park site. I have verified that the pipe is Schedule 80 PVC, ASTM D1785 and is embossed with the NSF approval for potable water use.

During the inspection I confirmed the location of the pipe replacement which is shown on the provided sketch by Mr. Bill Carey, President of the Three Lakes Park Co-Op, Inc. Please see the attached sketch (2 pages).

Please contact me if you have any questions regarding the above or require further information.

Sincerely,

Ted Wicks, P.E.

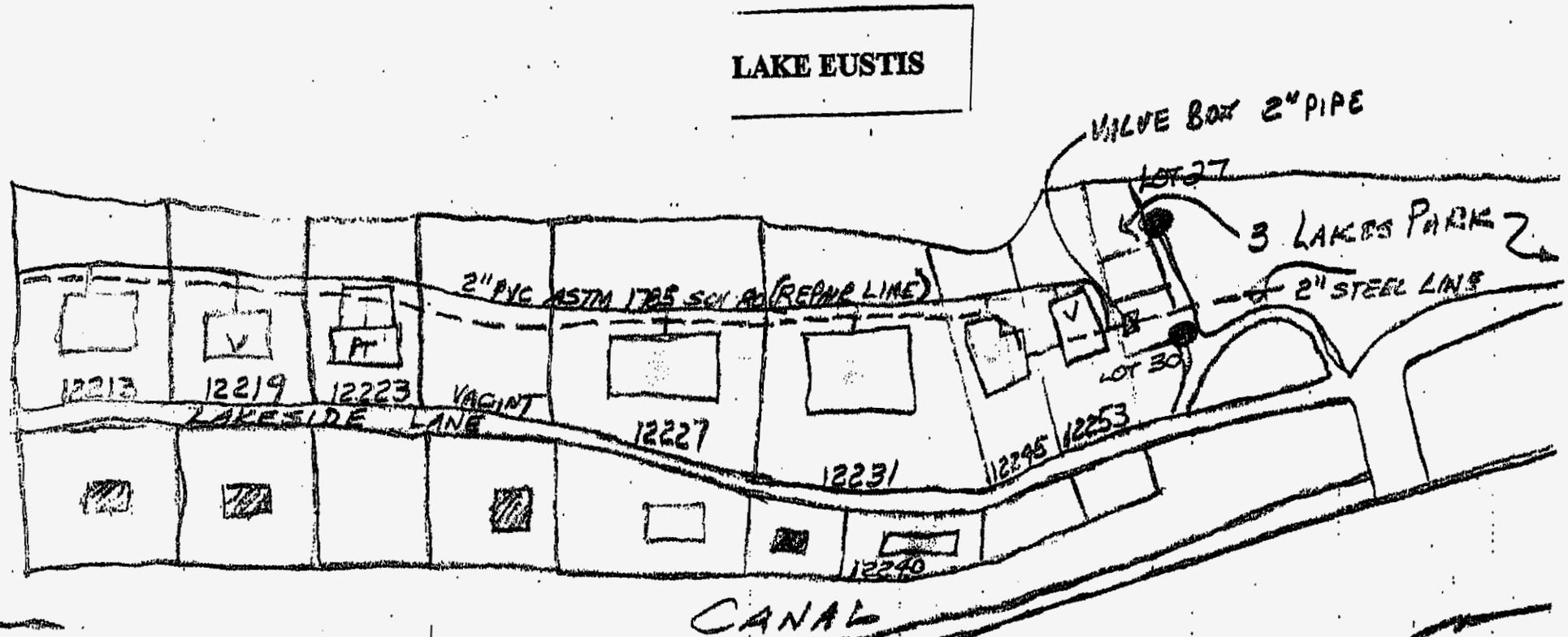
TW:kh

xc: Bill Carey

06109/2008-10-08 Resp to FDEP Cardona

**Three Lakes Park PWS 3351579  
Schematic Overview of Water Distribution System  
Repair 6/07 Lakeside Lane**

A

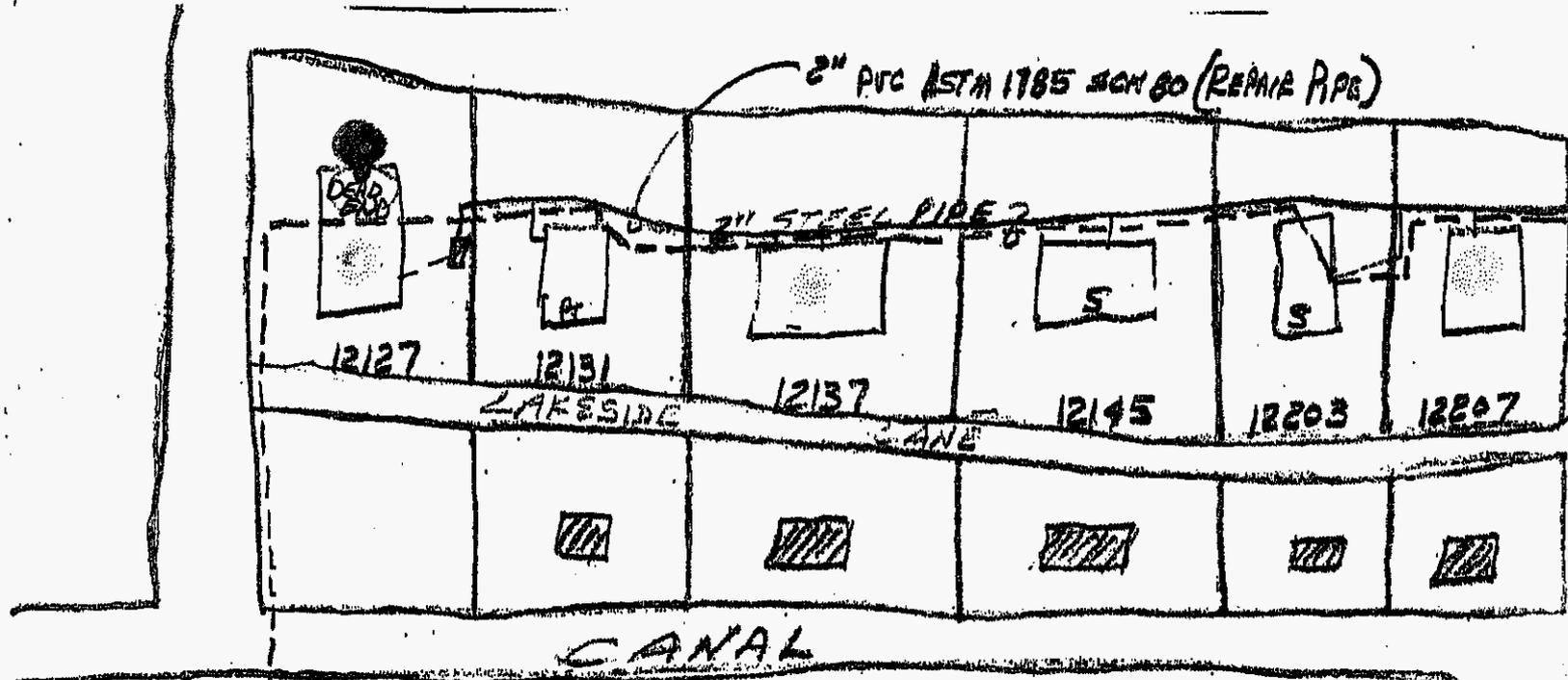


- Legend:**
- original main (1940's +/-)
  - repairs 6/07
  - ☐ Dead End Main
  - Maximum Residence Time (MRT)
  - S Seasonal (Nov-April)
  - PT Part-time
  - V Vacant

Hwy 441

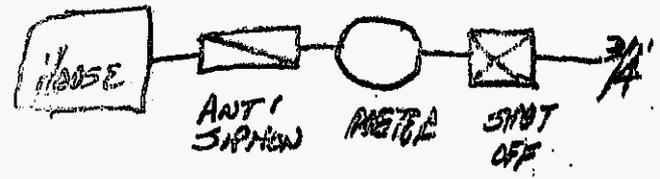
**Three Lakes Park PWS 3351579**  
**Schematic Overview of Water Distribution System**  
 Repair 6/07 Lakeside Lane

B

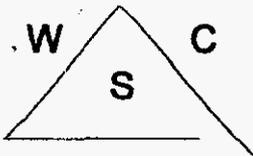


- Legend:**
- original main (1940's +/-)
  - repairs 6/07
  - Dead End Main
  - Maximum Residence Time (MRT)
  - S Seasonal (Nov-April)
  - PT Part-time
  - V Vacant

 **BOATHOUSES**



**STANDARD HOOKUP @ EACH HOUSE ON LAKESIDE LANE**



**WICKS  
CONSULTING  
SERVICES, INC.**

**LETTER OF TRANSMITTAL**

**CERTIFIED MAIL 7004 0750 0003 4322 2780**

(352) 343-8667 • Fax (352) 343-8665 • admin@wicksconsulting.com  
225 West Main Street • Tavares, Florida 32778-3811  
Environmental, Sanitary & Water Resources Engineering

DATE May 3, 2006	JOB NO.
ATTENTION <b>DRINKING WATER PERMITTING</b>	
RE: Three Lakes Park Co-Op Specific Permit to Construct PWS Component	

TO **FDEP**

3319 Maguire Blvd Ste 232

Orlando FL 32803-3767

WE ARE SENDING YOU  Attached  Under separate cover via \_\_\_\_\_ the following items:

- Shop drawings     Prints     Plans     Samples     Specifications  
 Copy of letter     Change order     Listed     Via Fax     \_\_\_\_\_

COPIES	DESCRIPTION
1	FDEP Form 62-555.900(1) Appl for Specific Permit Constr PWS Components
1	Engineering Report w/Plans
1	Check #1042 \$300.00

THESE ARE TRANSMITTED as checked below:

- For approval     Approved as submitted     Resubmit \_\_\_\_\_ copies for approval  
 For your information / use     Approved as noted     Submit \_\_\_\_\_ copies for distribution  
 As requested     Returned     Return \_\_\_\_\_ corrected prints  
 For review and comment     For signature     For your file  
 FOR BIDS DUE \_\_\_\_\_     For Payment  
 Fax Transmittal of \_\_\_\_\_ pages, including this transmittal sheet.    Hard Copy to Follow  Yes No

REMARKS:

Please contact our office if there are any questions regarding this submittal.

**COPY**

COPY TO William Carey w/encl

SIGNED: Ted Wicks, P.E.  
admin@wicksconsulting.com

If enclosures are not as noted, kindly notify us at once

# APPLICATION FOR A SPECIFIC PERMIT TO CONSTRUCT PWS COMPONENTS

See page 4 for instructions.

**General Project Information**

A. Name of Project: Three Lakes Park Co-Op Inc. Water Plant

B. Description of Project and Its Purpose: Replace existing hydropneumatic storage tank that ruptured with a 2,000 gallon hydropneumatic ASME Certified tank and associated piping, valves and plumbing as necessary.

C. Does project create a "new system" as described under subsection 62-555.525(1), F.A.C.?  Yes, and a completed copy of Form 62-555.900(20), New Water System Capacity Development Financial and Managerial Operations Plan, is attached.  No

D. Location of Project

1. County Where Project Located: Lake County

2. Description of Project Location: Three Lakes Park is located in Tavares on US Hwy 441 approximately 3/4 mile north of the intersection of SR 19 and US Hwy 441 intersection between the Dora Canal Bridge and the Dead River Bridge.

3. Latitude and Longitude of Each New Treatment Plant and Each New Raw Water Source (attach additional sheets if necessary):

Name of Treatment Plant or Raw Water Source	Latitude	Longitude
	° ' "N	° ' "W
	° ' "N	° ' "W
	° ' "N	° ' "W
	° ' "N	° ' "W
	° ' "N	° ' "W

E. Estimate of Cost to Construct Project:

F. Estimate of Dates for Starting and Completing Construction of Project: Start: June 15, 2006 Complete: July 1, 2006

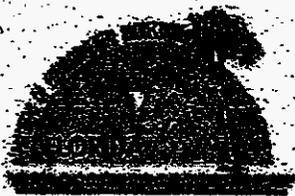
G. Applicant

PWS/Company Name: <u>Three Lakes Park Co-Op Inc.</u>		PWS Identification No.: <u>*3351579</u>	
PWS Type:*	<input checked="" type="checkbox"/> Community	<input type="checkbox"/> Non-Transient Non-Community	<input type="checkbox"/> Transient Non-Community
Contact Person: <u>William E. Carey</u>		Contact Person's Title: <u>President</u>	
Contact Person's Mailing Address: <u>12315 US Hwy 441 Lot 24</u>			
City: <u>Tavares</u>		State: <u>Florida</u>	Zip Code: <u>32778</u>
Contact Person's Telephone Number: <u>352-250-9176</u>		Contact Person's Fax Number: <u>352-343-3403</u>	
Contact Person's E-mail Address: <u>bdcarey@comcast.net</u>			

\* This information is required only if the applicant is a public water system (PWS).

H. Public Water System (PWS) Supplying Water to Project

PWS Name: <u>Three Lakes Park Co-Op Inc.</u>		PWS Identification No.: <u>3351579</u>	
PWS Type:	<input checked="" type="checkbox"/> Community	<input type="checkbox"/> Non-Transient Non-Community	<input type="checkbox"/> Transient Non-Community
PWS Owner: <u>Three Lakes Park Co-Op Inc.</u>			
Contact Person: <u>William E. Carey</u>		Contact Person's Title: <u>President</u>	
Contact Person's Mailing Address: <u>12315 US Hwy 441 Lot 24</u>			
City: <u>Tavares</u>		State: <u>Florida</u>	Zip Code: <u>32778</u>
Contact Person's Telephone Number: <u>352-250-9176</u>		Contact Person's Fax Number: <u>352-343-3403</u>	
Contact Person's E-Mail Address: <u>bdcarey@comcast.net</u>			



# Department of Environmental Protection

Jeb Bush  
Governor

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

Colleen M. Castille  
Secretary

## NOTICE OF PERMIT ISSUANCE

SENT BY MAIL

Three lakes Park Co-Op, Inc.  
12315 U.S. Highway 441, Lot 24  
Tavares, Fl 32778

Attention: William E. Carey, President

Lake County - PW  
Three Lakes Park  
Hydropneumatic Tank

Dear Mr. Carey:

Enclosed is Permit Number WC35-0080545-001 to modify a water plant issued pursuant to Section 403.861(9), *Florida Statutes*.

The Department's proposed agency action shall become final unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57 of the *Florida Statutes* before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57 of the *Florida Statutes*. The petition must contain the information set forth below and must be filed (received by the clerk) with:

Clerk of the Department of Environmental Protection  
Office of General Counsel  
3900 Commonwealth Boulevard, Mail Station 35  
Tallahassee, Florida 32399-3000.

Petitions by the applicant or any of the parties listed below must be filed within fourteen days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3) of the *Florida Statutes* must be filed within fourteen days of publication of the notice or within fourteen days of receipt of the written notice, whichever occurs first.

Under Section 120.60(3) of the *Florida Statutes*, however, any person who has asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57 of the *Florida Statutes*. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the *Florida Administrative Code*.

orobllg\_035-0080545-001-Hydropneumatic Tank Replacement.doc

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any, the Department permit identification number and the county in which the subject matter or activity is located;
- (b) A statement of how and when each petitioner received notice of the Department action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;
- (f) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, *Florida Statutes*.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under Section 120.573 of the *Florida Statutes* is not available for this proceeding.

This action is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above. Upon the timely filing of a petition this order will not be effective until further order of the Department.

Any party to the order has the right to seek judicial review of the order under Section 120.68 of the *Florida Statutes*, by the filing of a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with:

Clerk of the Department of Environmental Protection  
Office of General Counsel  
Mail Station 35,  
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 when the final order is filed with the Clerk of the Department.



# Department of Environmental Protection

Jeb Bush  
Governor

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

Colleen Castille  
Secretary

Permittee:  
Three lakes Park Co-Op, Inc.  
12315 U.S. Highway 441, Lot 24  
Tavares, FL 32778

Permit Number: WC35-0080545-001  
Expiration Date: May 25, 2011  
County: Lake  
Utility: Three Lakes Park  
Project: Hydropneumatic Tank

Attention: William E. Carey, President

This permit is issued under the provisions of Chapter 403, *Florida Statutes*, and Rule 62-555, *Florida Administrative Code*, (F.A.C.). The above named permittee is hereby authorized to perform the work shown on the application and approved drawing, plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

### PROJECT DESCRIPTION

This project consisted of installing & connecting a replacement hydropneumatic tank to the existing Three Lakes Park Water Plant. Included are:

- a new 2,000-gallon ASME Code horizontal hydropneumatic tank, located southwest of the existing 2,000-gallon hydropneumatic tank, which will be removed.
- relocation of the existing hypochlorination facilities to a new chlorination structure located adjacent to the new hydropneumatic tank, with new chlorine injection point on the new raw water line
- associated piping, valves, 2-inch flow meter, controls & appurtenances.

The plant is located on the north side of U.S. Highway 441 at 12315 U.S. Highway 441 in Tavares.

Specific Conditions of this permit include:

- The engineer of record shall certify that, in accordance with Rule 62-555.320(5), F.A.C., the new tank is enclosed by fencing with lockable access gate so as to be protected to prevent tampering, vandalism and sabotage.
- The engineer of record shall certify that an emergency shower/eyewash facility is provided for the relocated hypochlorination equipment

Permittee:  
 Three lakes Park Co-Op, Inc.  
 12315 U.S. Highway 441, Lot 24  
 Tavares, FL 32778  
 Attention: William E. Carey, President

Permit Number: WC35-0080545-001  
 Expiration Date: May 25, 2011  
 County: Lake  
 Utility: Three Lakes Park  
 Project: Hydropneumatic Tank

#### GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violations of these conditions.
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), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither 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 is not 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 this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment 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, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; 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 properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and 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 and at reasonable times, access to the premises where the permitted activity is located or conducted to:
  - (a) Have access to and copy any records that must be kept under conditions of the permit;
  - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
  - (c) Sample or monitor 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 conditions or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
  - (a) A description of and cause of noncompliance; and
  - (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.
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.

Permittee:  
 Three lakes Park Co-Op, Inc.  
 12315 U.S. Highway 441, Lot 24  
 Tavares, Fl 32778  
 Attention: William E. Carey, President

Permit Number: WC35-0080545-001  
 Expiration Date: May 25, 2011  
 County: Lake  
 Utility: Three Lakes Park  
 Project: Hydropneumatic Tank

GENERAL CONDITIONS

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 62-30.300, 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 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.

Permittee:  
 Three lakes Park Co-Op, Inc.  
 12315 U.S. Highway 441, Lot 24  
 Tavares, FL 32778  
 Attention: William E. Carey, President

Permit Number: WC35-0080545-001  
 Expiration Date: May 25, 2011  
 County: Lake  
 Utility: Three Lakes Park  
 Project: Hydropneumatic Tank

#### SPECIFIC CONDITIONS:

##### Clearance of the Project

1. *A Clearance Letter must be issued by the DEP Central District Potable Water program before placement of this project into service. Failure to do so will result in enforcement action against the permittee.*

To obtain clearance letter, the engineer of record must submit the following:

- (1) completion of the enclosed "Request for Letter of Release to Place Water Supply System into Service" [DEP Form 62-555.900(9), F.A.C.];
- (2) a copy of this permit;
- (3) a copy of satisfactory bacteriological sample results taken on two consecutive days from the following locations:
  - A. The Designated sampling location (end of new finished water piping at the point of connection)
- (4) The engineer of record shall certify that, in accordance with Rule 62-555.320(3), F.A.C., the new tank is enclosed by fencing with lockable access gate so as to be protected to prevent tampering, vandalism and sabotage.
- (5) The engineer of record shall certify that an emergency shower/eyewash facility is provided for the relocated hypochlorination equipment

##### Permit Transfer

2. *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.*
3. *The permittee shall retain a Florida-licensed professional engineer in accordance with subsection 62-555.530(3), F.A.C., to take responsible charge of inspecting construction of the project for the purpose of determining in general if the construction proceeds in compliance with the permit, including the approved preliminary design report of drawings and specifications, for the project.*
4. *The permittee shall have complete record drawings produced for the project in accordance with Rule 62-555.530(4), F.A.C.*
5. *The permittee shall provide an operation and maintenance manual for the new or altered treatment facilities to fulfill the requirements under Rule 62-555.350(13), F.A.C.*

Permittee:  
Three lakes Park Co-Op, Inc.  
12315 U.S. Highway 441, Lot 24  
Tavares, FL 32778  
Attention: William E. Carey, President

Permit Number: WC35-0080545-001  
Expiration Date: May 25, 2011  
County: Lake  
Utility: Three Lakes Park  
Project: Hydropneumatic Tank

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



Christianne C. Ferraro P.E.  
Administrator, Water Resource Management

ISSUED July 7, 2006

CCF:ft:jo

Copies furnished to:  
[3523433403@fax1.dep.state.fl.us](mailto:3523433403@fax1.dep.state.fl.us); [3523438663@fax1.dep.state.fl.us](mailto:3523438663@fax1.dep.state.fl.us)

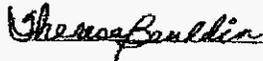
Kyle Kubanek, FDEP

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certified that this NOTICE OF PERMIT ISSUANCE and all copies were sent by E-Mail before the close of business on July 7, 2006 to the listed persons.

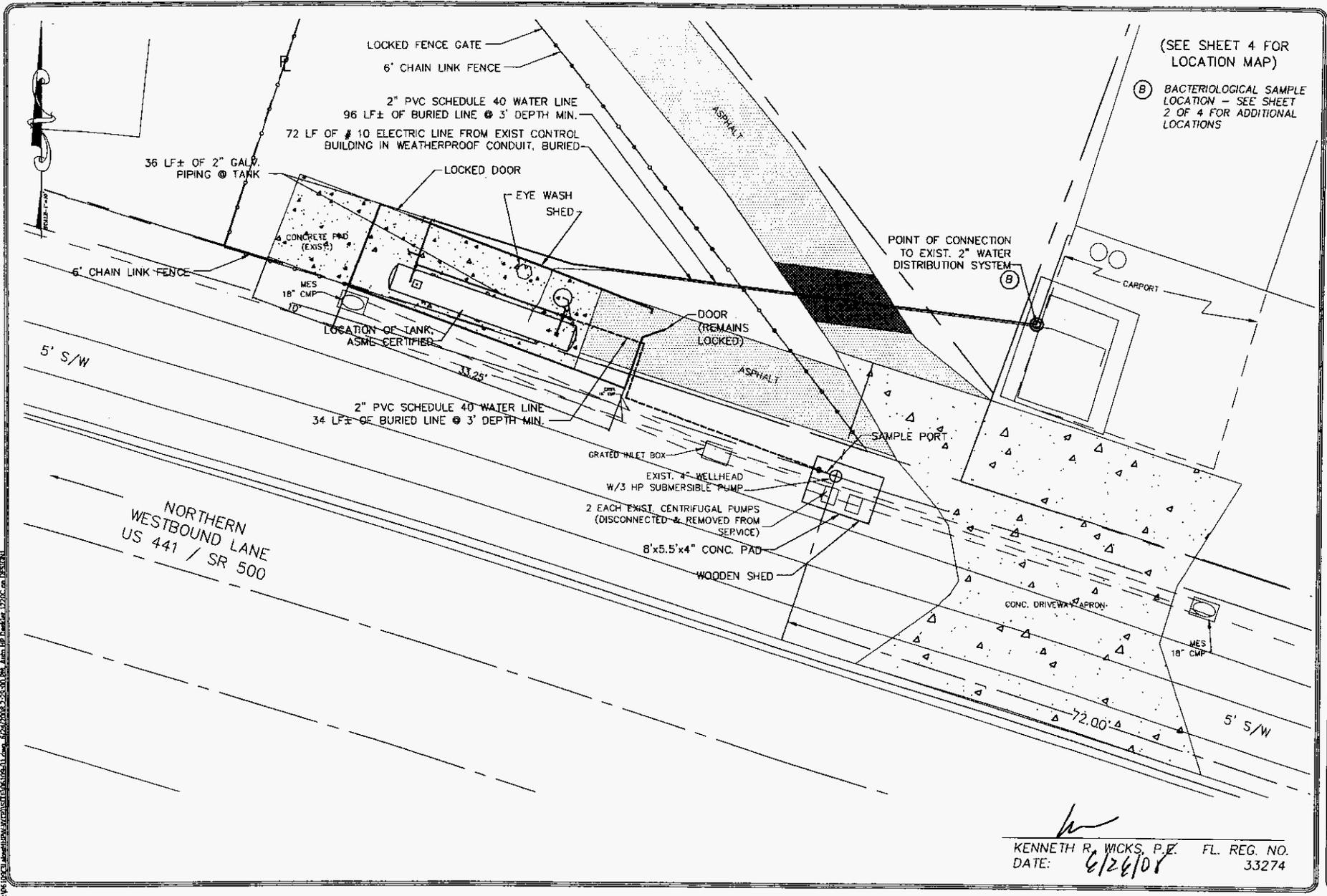
FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.



Clerk

July 7, 2006  
Date



(SEE SHEET 4 FOR LOCATION MAP)

(B) BACTERIOLOGICAL SAMPLE LOCATION - SEE SHEET 2 OF 4 FOR ADDITIONAL LOCATIONS

W C WICKS CONSULTING SERVICES, INC.  
 11011 Highway 441, Suite 204, Palmdale, Florida 33778

BILL CAREY, PRESIDENT  
 THREE LAKES PARK CO., INC.  
 12315 US HIGHWAY 441 LOT 24  
 TAVARES, FL 32778

THREE LAKES PARK  
 WATER PLANT SYSTEM  
 HYDRO-PNEUMATIC TANK REPLACEMENT  
 SITE PLAN

DATE	REVISION
04-07-2008	REV
1"=10'	
01/09/07	

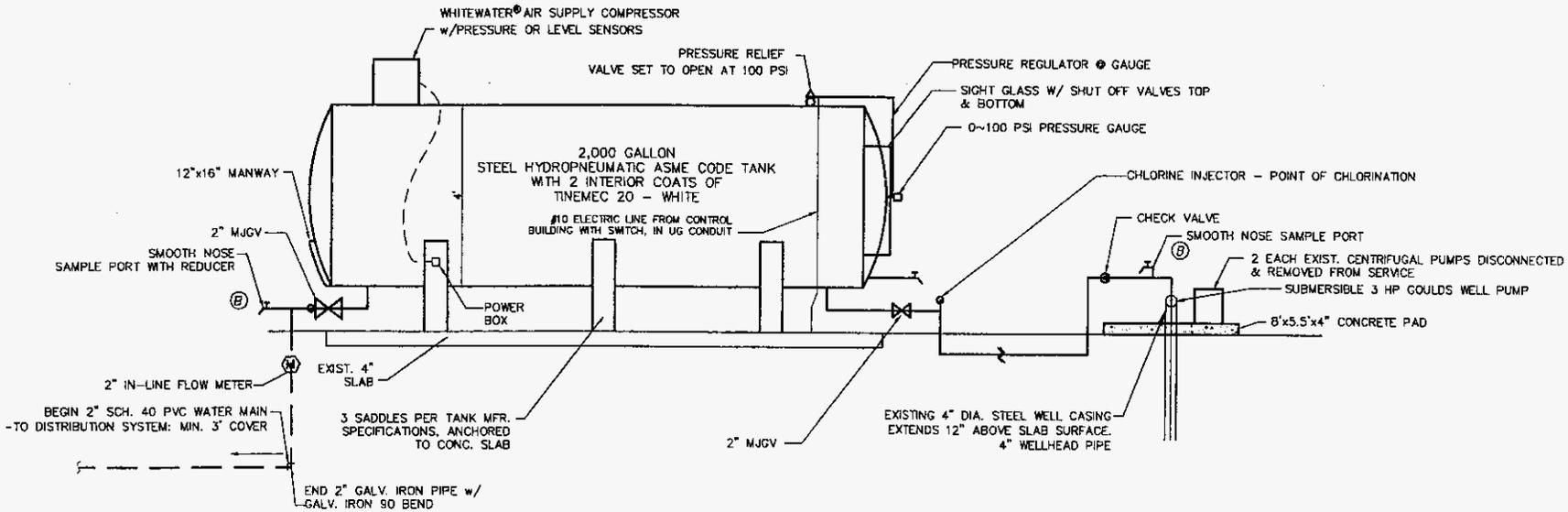
Drawn: KRW  
 Checked: ARW  
 Date: 04-07-2008  
 Scale: 1"=10'  
 File No: 0109-07  
 Sheet: 1 of 4

KENNETH R. WICKS, P.E. FL. REG. NO. 33274  
 DATE: 6/26/08

S:\PROJECTS\2008\04\040821\Draws\6/26/08\2008-06-26\08-26-08.dwg Plot Date: 6/27/08 12:27:00 PM

NOTES:

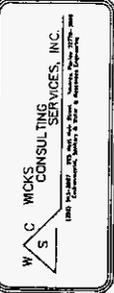
1. THIS WELLHEAD IS NOT WITHIN THE 100-YEAR FLOOD PLAIN ACCORDING TO THE FEMA FIRM MAP PANEL # 12069C0334-D DATED JULY 3, 2002
2. WELLHEAD EXTENDED WATERTIGHT TO A MINIMUM OF 12" ABOVE THE NEW CONCRETE SLAB
3. NEW CHLORINATION SYSTEM INSIDE STRUCTURE WITH LOCK AND CHLORINE WARNING SIGN ON DOOR. THIS STRUCTURE HAS FULL-TIME VENTILATION AND ALLOWS THE OPERATOR TO WORK FROM OUTSIDE THE STRUCTURE.
4. ALL NEW 2,000 GALLON HYDROPNEUMATIC TANK PIPING IS 2" GALVANIZED IRON PIPE APPROVED FOR POTABLE WATER USE WITH MECHANICAL FITTINGS.
5. ELECTRIC LINE SHOWN TO SUPPLY COMPRESSOR HAS THE RECOMMENDED NUMBER OF CONDUCTORS AS SPECIFIED BY THE COMPRESSOR MANUFACTURER.
6. (Ⓢ) BACTERIOLOGICAL SAMPLE LOCATIONS
7. STEEL HYDROPNEUMATIC TANK IS AS PER DIXIE TANK COMPANY SKETCH SA2036, TITLE 2036/48"HPT-100WP-E-ASME. ALL ATTACHMENTS WITH WATER CONTACT INCLUDING AIR SUPPLY REGULATOR ARE RATED FOR POTABLE WATER USE.



ELEVATION SCHEMATIC VIEW

NOT TO SCALE

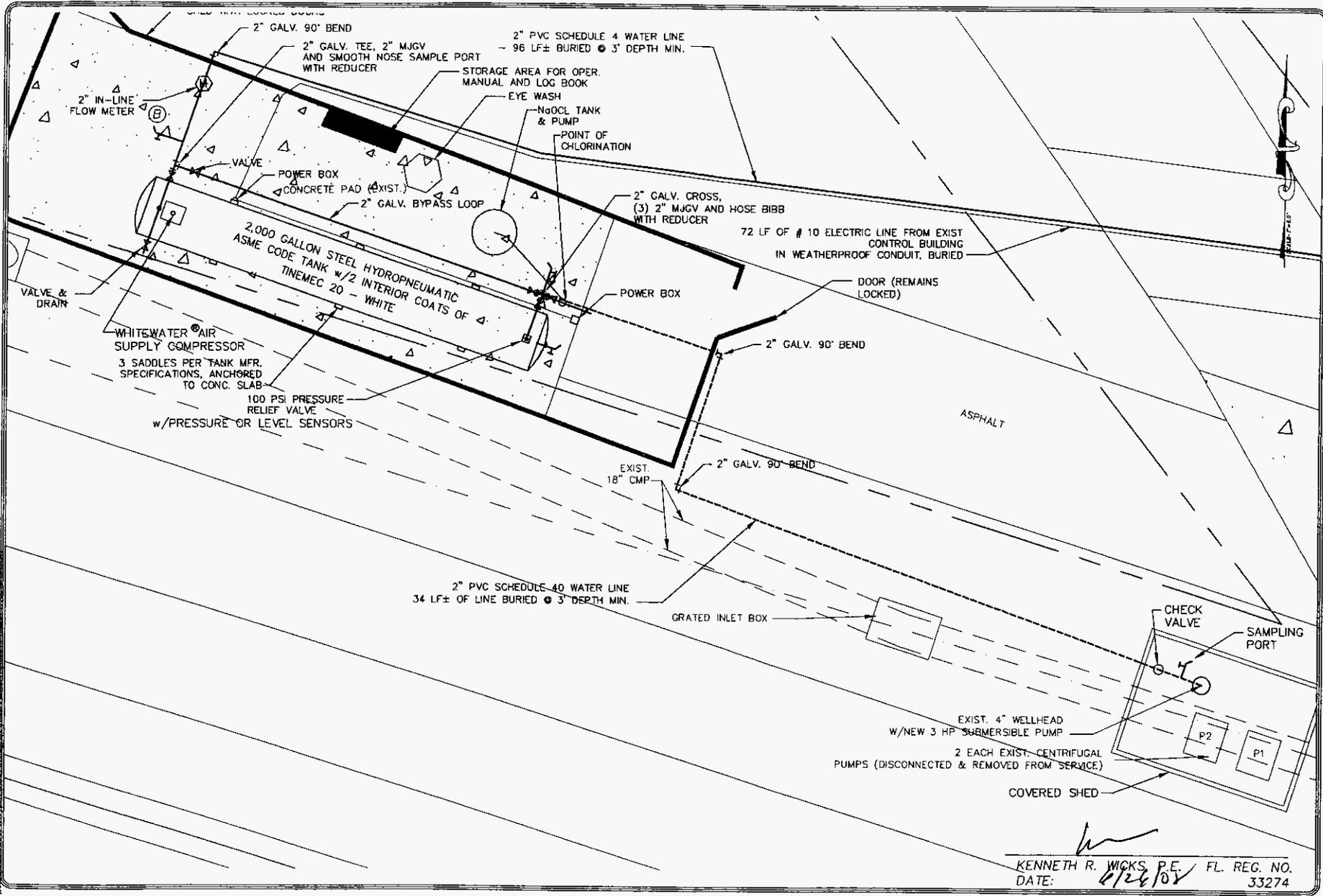
KENNETH R. WICKS, P.E. FL. REG. NO. 33274  
 DATE: 6/26/08



BILL CAREY, PRESIDENT  
 THREE LAKES PARK CO.-OP, INC.  
 12315 THREE LAKES PARK DRIVE  
 TAVARES, FL 32778

THREE LAKES PARK  
 WATER PLANT SYSTEM  
 HYDROPNEUMATIC TANK REPLACEMENT  
 ELEVATION VIEW

DATE:	06/26/08
REVISION:	
BY:	KRW
CHECKED:	06-27-08
SCALE:	N/S
FIG. NO.:	08103-01
Sheet:	2 Of 4



W C WICKS CONSULTING SERVICES, INC.  
 10000 W. US Highway 441, Suite 100, Ft. Myers, FL 33907  
 Phone: 813-938-1100 Fax: 813-938-1101

BILL CAREY, PRESIDENT  
 THREE LAKES PARK CO-OP, INC.  
 12315 US HIGHWAY 441  
 TAVERNES, FL 32778

THREE LAKES PARK  
 WATER PLANT SYSTEM  
 HYDROPNEUMATIC TANK REPLACEMENT  
 PLAN VIEW

DATE:	
REVISION:	
NO.	
DATE	
BY	
CHECKED	
DATE	
BY	
SCALE	1"=8'
FILE NO.	08100-01
SHEET	3 OF 4

KENNETH R. WICKS, P.E. FL. REG. NO. 33274  
 DATE: 6/26/02

