

**COLUMBIA COUNTY BOARD OF COMMISSIONERS  
INVITATION TO BID  
FT. WHITE RECREATION FIELDS SEPTIC SYSTEM  
BID NO. 2017-T**

Please be advised that Columbia County desires to accept bids on the above referenced item's. Bids will be accepted until 11:00 a.m. on August 3, 2017 in the office of the Board of County Commissioners located at 135 NE Hernando Ave. Room 203, Lake City, Florida 32055.

Specifications and bid forms may be downloaded at the County web site, <https://webportal.columbiacountyfla.com/list-purchasing-projects.aspx>.

Columbia County reserves the right to reject any and/or all bids and to accept the bid in the County's best interest.

**Columbia County, Florida  
Purchasing Department  
General Instructions to Bidders**

These instructions will bind bidders and conditions herein set forth, except as specifically qualified in special bid and contract terms issued with any individual bid.

1. The following criteria are used in determining low responsible bidder:
  - A. The ability, capacity and skill of bidder to perform required service.
  - B. Whether the bidder can perform service promptly or within specified time.
  - C. The character, integrity, reputation, judgment, experience and efficiency of bidder.
  - D. The performance of previous contracts with Columbia County.
  - E. The suitability of equipment or material for county use.
  - F. The ability of bidder to provide future maintenance.
2. Payment Terms are net (30) unless otherwise specified. Favorable terms, discounts, may be offered and will be considered in determining low bids if they are deemed by Purchasing Department to be advantageous to the County.
3. All bids should be tabulated, totaled and checked for accuracy. Unit price will prevail in case of errors.
4. All requested information shall be included in the envelope. All desired information must be included for your bid to receive full consideration.
5. If anything on the bid request is not clear, you should contact the Purchasing Director immediately.
6. A bidders list is available at the Purchasing Office.
7. Quote all prices F.O.B. our warehouse or as specified in bid documents.
8. Each proposal shall be clearly marked on the outside of the envelope including Fed Ex, UPS or other delivery service envelopes, as a sealed bid. The name of the item being bid shall be shown on the outside in full.
9. No responsibility shall attach to any County representative or employee for the premature opening of bids not properly addressed or identified.
10. If only one (1) bid is received, the bid may be rejected and re-advertised or excepted if determined to be in the counties best interest.
11. Bids received late will not be accepted, and the County will not be responsible for late mail delivery.
12. Telephone and facsimile bids will not be acceptable in formal bid openings (sealed bids). Should a bid be misplaced by the County and found later, it will be considered. Any bidder may request and shall receive a receipt showing the day and time any bid is delivered to the appropriate office of the County from the personnel thereof.

13. Bids requiring bid bonds will not be accepted if bond is not enclosed. Cash or certified check will be accepted in lieu of bond except on construction projects where cost exceeds \$40,000.
14. All bidders must be recognized dealers in the materials or equipment specified and is qualified to advise in their application or use. A bidder at any time requested must satisfy the Purchasing Office and the County Manager that he has the requisite organization, capital, plant, stock ability and experience to satisfactorily execute the contract in accordance with the provisions of the contract in which he is interested.
15. Any alterations, erasures, additions, or admissions of required information or any changes to specifications or bidding schedule are done at the risk of the bidder. Any bid will be rejected that has a substantial variation, that is; a variation that affects price, quantity, and quality or delivery date (when delivery is required by a specific time).
16. When requested, samples will be furnished to the County free of expense, properly marked for identification and accompanied by a list where there is more than one (1) sample. The County reserves the right to mutilate or destroy any sample submitted whenever it may be to the best interest of the County to do so for the purpose of testing.
17. The County will reject any material, supplies or equipment that did not meet the specifications, even though the bidder lists the trade names or names of such material on the bid or price quotation form.
18. The unauthorized use of patented articles is done entirely at the risk of the successful bidder.
19. The ESTIMATED QUANTITY given in the specifications or advertisements is for the purpose of bidding only. The County may purchase more or less than the estimated quantity and the vendor must not assume that such estimated quantity is part of the contract.
20. Only the latest model equipment as evidenced by the manufacture's current published literature will be considered. Obsolete models of equipment not in production will not be acceptable. The equipment shall be composed of new parts and materials. Any unit containing used parts or having seen any service other than the necessary tests will be rejected. In addition to the equipment specifically called for in the specification, all equipment catalogued by the manufacturer as standard or required by the State of Florida shall be furnished with the equipment. Where required by the State of Florida Motor Vehicle Code, vehicles shall be inspected and bear the latest inspection sticker of the Florida Department of Revenue.
21. The successful bidder on motor vehicle equipment shall be required to furnish with delivery of vehicle, certificate of origin and any other appropriate documentation as required by the Florida Motor Vehicle Department.
22. Prospective bidders are required to examine the location of the proposed work or delivery and determine, in their own way, the difficulties, which are likely to be encountered in the prosecution of the same.

23. All materials, equipment and supplies shall be subject to rigid inspection, under the immediate supervision of the Purchasing Department, its designee and /or the department to which they are delivered. If defective material, equipment, or supplies are discovered, the contractor, upon being instructed by the Purchasing Department or designee, shall remove, or make good such material, equipment, or supplies without extra compensation. It is expressly understood and agreed that the inspection of materials by the County will in no way lessen the responsibility of the Contractor release him from his obligation to perform and deliver to the County Sound and satisfactory materials, equipment, or supplies. The Contractor agrees to pay the costs of all tests upon defective material, equipment, or supplies or allow the costs to be deducted from any monies due him from the County.
24. Unless otherwise specified by the Purchasing Department all materials, supplies, or equipment quoted herein must be delivered within thirty (30) days from the day of notification or exceptions noted on bid sheets.
25. A contract will not be awarded to any corporation, firm, or individual who is, from any cause, in arrears to the County or who has failed in former contracts with the County to perform work satisfactorily, either to the character of the work, the fulfillment or guarantee, or the time consumed in completing the work.
26. Reasonable grounds for supposing that any bidder is interested in more than one proposal for the same item will be considered sufficient cause for rejection of all proposals in which he is interested.
27. Submitting a proposal when the bidder intends to sublet the contract may be a cause for rejection of bids or cancellation of the contract by the County Manager.
28. Unless otherwise specified the County reserves the right to award each items separately or on a lump sum basis whichever is in the best interest of the County.
29. The County reserves the right to reject any and/or all quotations, to waive any minor discrepancies in the bids for all bidders equally, quotations, or specifications, when deemed to be in the best interest of the County and also to purchase any part, all or none of the materials, supplies, or equipment specified.
30. Failure of the bidder to sign the bid or have the signature of an authorized representative or agent on the bid proposal in the space provided will be cause for rejection of the bid. Signature must be written in ink. Typewritten or printed signatures will not be acceptable.
31. Any bidder may withdraw his bid at any time before the time set for the opening of the bids. No bid may be withdrawn in the thirty- (30) day period after bids are opened.

32. It is mutually understood and agreed that if at any time the Purchasing Department or designee shall be of the opinion that the contract or any part thereof is unnecessarily delayed or that the rate of progress or delivery is unsatisfactory, or that the contractor is willfully violating any of the conditions or covenants of the agreement, or executing the same in bad faith, the Purchasing Department or his designee shall have the power to notify the aforesaid contractor of the nature of the complaint. Notification shall constitute delivery of notice, or letter to address given in the proposal. If after three (3) working days of notification the conditions are not corrected to the satisfaction of the Purchasing Director, he shall thereupon have the power to take whatever action he may deem necessary to complete the work or delivery herein described, or any part thereof, and the expense thereof, so charged, shall be deducted from any paid by the County out of such monies as may become due to the said contractor, under and by virtue of this agreement. In case such expense shall exceed the last said sum, then and in that event, the bondsman or the contractor, his executors, administrators, successors, or assigns, shall pay the amounts of such excess to the County on notice made by the Purchasing Department or his designee of the excess due.
33. If the bidder proposes to furnish any item of foreign make or product, he shall write "foreign" together with the name of the originating country opposite such item on a proposal.
34. Any complaint from bidders relative to the invitation to bid or attached specifications shall be made prior to the time of opening bids; other wise, the bidder waives any such complaint.
35. Contracts may be cancelled by the County with or without cause on thirty- (30) days advance written notice.
36. All contractors submitting bids for road projects in excess of \$150,000 must be pre-qualified with the Florida Department of Transportation and shall provide proof of such qualification upon request.
37. Any bidder affected adversely by an intended decision with respect to the award of any bid, shall file with the Purchasing Department for Columbia County, a written notice of intent to file a protest not later than seventy-two (72) hours (excluding Saturdays, Sundays and legal holidays), after the posting of the bid tabulation. Protest procedures may be obtained in the Purchasing Department.
38. A person or affiliate who has been placed on the convicted vendor's list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to Columbia County, may not submit a bid on a contract with Columbia County for the construction or repair of a public building or public work, may not submit bids on leases of real property to Columbia County, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with Columbia County, and may not transact business with Columbia County for a period of 36 months from the date of being placed on the convicted vendor list.
39. Vendor/Contractor shall utilize the U.S. Department of Homeland Security's E-Verify system, in accordance with the terms governing use of the system, to confirm the employment eligibility of;
  - A. all persons employed by the Vendor/Contractor during the term of the Contract to perform employment duties within Florida; and
  - B. all persons, including subcontractors, assigned by the Vendor/Contractor to perform work pursuant to the contract with the County.

## **Project: Fort White Community Center Concessions Building**

**We would like for qualified contractors to bid on the construction of Septic System as per design by North Florida Professional Services, Inc. dated June 28, 2017 located at the Fort White Recreation Fields, SR 47 North of Fort White.**

### **SCOPE OF WORK**

#### **GENERAL**

- The following scope of work has been prepared to clarify items of responsibility and is not intended to be all-inclusive. Any and all scope items reasonably necessary for a complete construction of Septic System must be included.
- If any inconsistencies within the Contract Documents arise, the most stringent shall govern.
- Unless otherwise noted, all work should include labor, material, equipment, supervision, insurance, and taxes (including sales tax).
- All work will be completed according to the Schedule prepared by the Board of County Commissioners.
- All construction to be done according to the Septic System Design Report provided by North Florida Professional Services, Inc. dated June 28, 2017.
- The Contractor will include the following:
  - All hoisting, unloading, receiving and proper storage of the materials.
  - Complete all engineering and layout required to accomplish the work from established reference points and bench marks which have been provided by others. Assistance in layout by County personnel and/or others does not relieve this subcontractor of layout errors.
  - All hoisting, operators, fuel and associated equipment necessary to properly perform the Work.
  - Compliance with project rules and regulations set forth by County and in accordance with OSHA regulations.

- A responsible supervisor must be on site at all times while his/her company is working. This supervisor must have the authority to make final decisions regarding the allocation of contractor's resources.
- This project will be constructed next to an occupied facility; workers will conduct themselves in a respectful manor.
- This project will have a cleanup required daily.
- Chemical toilets will be furnished and paid for by Contractor.

END OF SCOPE OF WORK

**BID FORM  
2017-T  
FT. WHITE RECREATION FIELDS SEPTIC SYSTEM  
COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS**

Bids must be received in the Office of the Board of County Commissioners, Columbia County, 135 NE Hernando Avenue, Room 203, Lake City, FL, 32055 no later than 11:00 A.M., on August 3, 2017

Columbia County reserves the right to reject any and/or all bids and to accept the bid in the county's best interest, bid F.O.B., Columbia County, Florida.

**Lump Sum** \$ \_\_\_\_\_

I certify that this bid meets or exceeds the County specifications and that the undersigned bidder declares that I have carefully examined the specifications, term and conditions of this bid and I am thoroughly familiar with its provisions. The undersigned bidder further declares that he/she has not divulged, discussed or compared his bid with any other bidders and has not colluded with any other bidders or parties to a bid whatsoever for any fraudulent purpose.

COMPANY: \_\_\_\_\_ DATE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

PHONE NO: \_\_\_\_\_

EMAIL: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

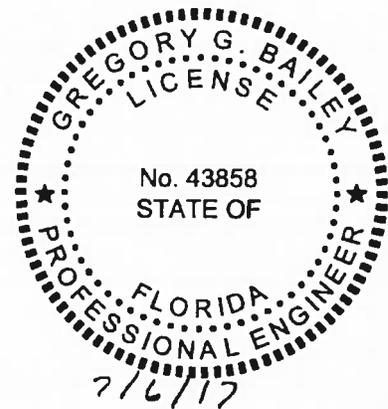
PRINT NAME/TITLE: \_\_\_\_\_

**NORTH FLORIDA PROFESSIONAL SERVICES, INC.**

Experience. *Quality*. Commitment.



**FORT WHITE RECREATION FIELDS  
SEPTIC SYSTEM DESIGN REPORT  
FORT WHITE, FLORIDA**



  
Gregory G. Bailey, P.E.

Florida Reg. No. 43858

June 28, 2017

Lake City: P.O. Box 3823, Lake City, FL 32066 • Tallahassee: P.O. Box 180998, Tallahassee, FL 32318

Phone: 386.752.4675 • Toll Free: 877.335.1525 • Fax: 386.752.4674 • Online: NFPS.net

# Pressurized Drainfield Report

Project: FORT WHITE REC FIELDS SEPTIC DESIGN  
 Job No.: L170524CCB  
 Engineer: LANCE JONES  
 Location: FORT WHITE, FLORIDA  
 Date: 05/30/2017

®

Number of laterals: 12

Lateral specifications: See Lateral Schedule

Forcemain length: 259 ft.

Forcemain diameter: 3 in.

Pump discharge pipe length: 14 ft.

Pump discharge pipe diameter: 3 in.

### Manifold Data

	Dia. (in)	Len (ft)
Segment 1	3	0.1
Segment 2	3	4
Segment 3	3	0.1
Segment 4	3	4
Segment 5	3	0.1
Segment 6	3	4
Segment 7	3	0.1
Segment 8	3	4
Segment 9	3	0.1
Segment 10	3	4
Segment 11	3	0.1
Segment 12	3	1

### Pump(s) Specified

LITTLEGIANT    WS102M  
 LITTLEGIANT    WS52H  
 LITTLEGIANT    WS51

<b>Forcemain Length (ft)</b>	<b>259</b>
<b>Forcemain Diameter (in)</b>	<b>3</b>
<b>Forcemain Minor Losses</b>	<b>13.93</b>
<b>Pumping Liquid Level (ft)</b>	<b>64.04</b>
<b>Discharge Assembly Length (ft)</b>	<b>14</b>
<b>Discharge Assembly Dia (in)</b>	<b>3</b>
<b>Discharge Minor Losses</b>	<b>5.57</b>
<b>Discharge Elevation (ft)</b>	<b>67</b>

Project: FORT WHITE REC FIELDS SEPTIC DESIGN  
 Job No.: L170524CCB  
 Engineer: LANCE JONES  
 Date: 05/30/2017

## Lateral Schedule

Lateral	Orifice Dia (in)	Orifice Spacing (ft)	A Diameter (in)	B Diameter (in)	A Length (ft)	B Length (ft)	Elevation	Orifice plate dia (in)
Lateral 1	.25	7	1	1	40	0	67	
Lateral 2	.25	7	1	1	40	0	67	
Lateral 3	.25	7	1	1	40	0	67	
Lateral 4	.25	7	1	1	40	0	67	
Lateral 5	.25	7	1	1	40	0	67	
Lateral 6	.25	7	1	1	40	0	67	
Lateral 7	.25	7	1	1	40	0	67	
Lateral 8	.25	7	1	1	40	0	67	
Lateral 9	.25	7	1	1	40	0	67	
Lateral 10	.25	7	1	1	40	0	67	
Lateral 11	.25	7	1	1	40	0	67	
Lateral 12	.25	7	1	1	40	0	67	

	Maximum Orifice		Orifice Flow Differential (%)	Lateral Flow Rate (gpm)	Manifold		Manifold Headloss (ft)	Manifold Flow Rate (gpm)	Manifold Headloss (ft)	Residual Pressure (ft)	Orifice Plate Orifice Diameter (in)
	Flow Rate (gpm)	Flow Rate (gpm)			Pressure (ft)	Pressure (ft)					
Lateral 1	1.32	1.25	5.45	6.36	3.15	3.15	6.36	.00	2.60	NO PLATE	
Lateral 2	1.27	1.20	5.48	6.11	3.15	3.15	12.47	.00	2.40	NO PLATE	
Lateral 3	1.27	1.20	5.48	6.11	3.15	3.15	18.58	.00	2.40	NO PLATE	
Lateral 4	1.27	1.20	5.48	6.11	3.16	3.16	24.69	.01	2.40	NO PLATE	
Lateral 5	1.27	1.20	5.48	6.11	3.17	3.17	30.80	.01	2.40	NO PLATE	
Lateral 6	1.27	1.20	5.48	6.11	3.20	3.20	36.92	.03	2.40	NO PLATE	
Lateral 7	1.27	1.20	5.48	6.11	3.23	3.23	43.03	.03	2.40	NO PLATE	
Lateral 8	1.27	1.20	5.48	6.11	3.29	3.29	49.14	.06	2.40	NO PLATE	
Lateral 9	1.27	1.20	5.48	6.11	3.34	3.34	55.25	.06	2.40	NO PLATE	
Lateral 10	1.27	1.20	5.48	6.11	3.45	3.45	61.36	.10	2.40	NO PLATE	
Lateral 11	1.29	1.23	5.47	6.24	3.55	3.55	67.60	.10	2.50	NO PLATE	
Lateral 12	1.32	1.25	5.45	6.36	3.55	3.55	73.96	.12	2.60	NO PLATE	

Specifying a distal pressure of 2.6 feet, yields a minimum lateral flow rate of 6.11 gpm. The calculated lateral velocity using a 1" PVC pipe (1.029" ID) is 2.36 fps.

Flowrate and Total Dynamic Head  
73.96 gpm 14.13 ft

Flow Differential Across System 9.75 %

Total Lateral Length 480 ft.

Forcemain

Headloss in Forcemain: 6.43 ft  
Velocity in Forcemain: 3.36 ft/sec

Pump Discharge

Headloss in Discharge: 1.19 ft  
Velocity in Discharge: 3.36 ft/sec

Dose volume is 201 gal at 5 times lateral volum

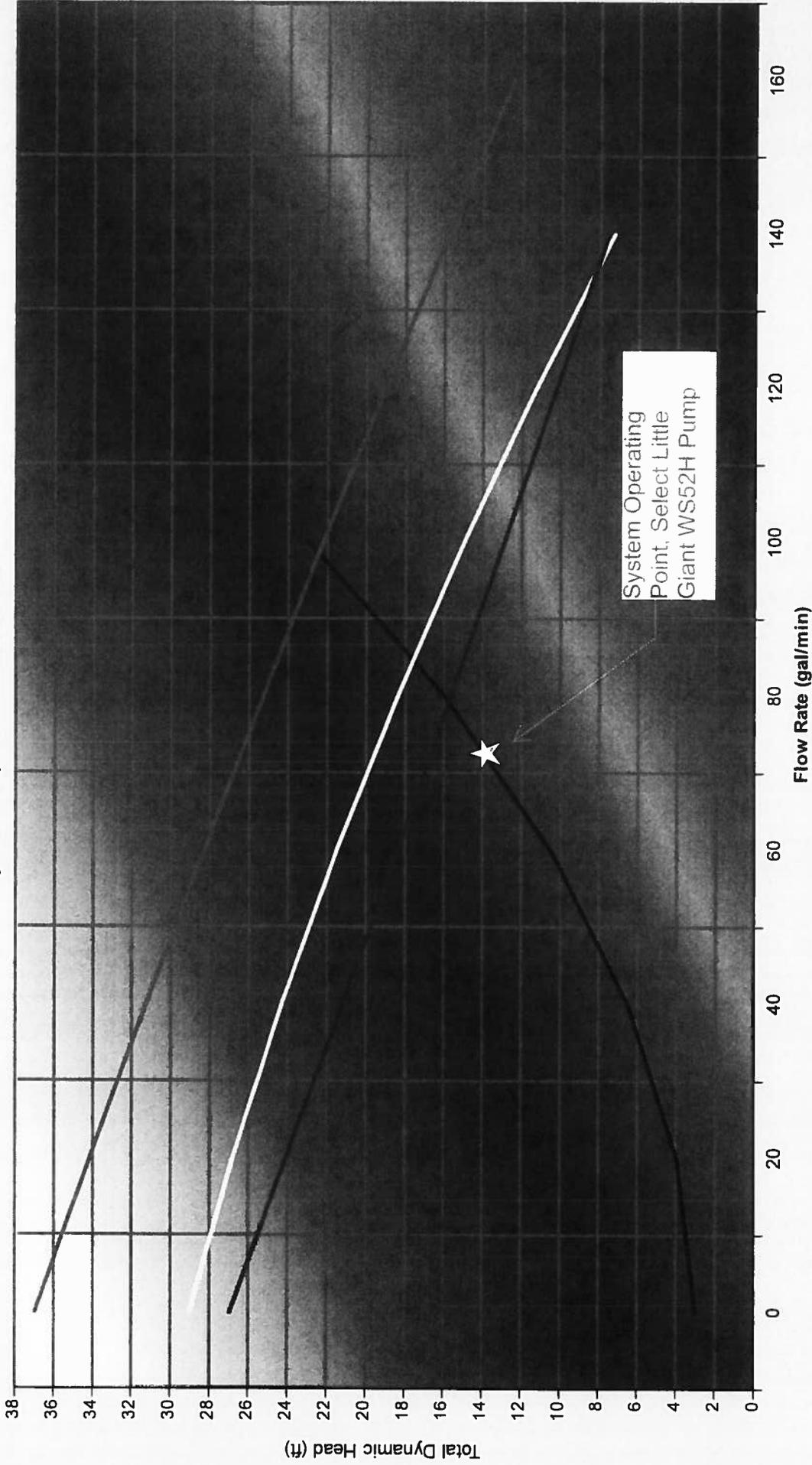


Forcemain Volume: 95.1 gal.

Manifold volume: 7.9 gal.

Manufacturer	Model	Residual Pressure	Flow (gal/min)	TDH (ft)
LITTLEGIANT	WS102M	4.6	98.6	22.4
LITTLEGIANT	WS52H	3.4	84.9	17.5

System/Pump Performance Curves



**Legend**

- System Curve
- - - LITTLEGIANT WS102M
- · · LITTLEGIANT WS52H
- · - LITTLEGIANT WS51

# SEWAGE PUMPS

# LittleGIANT®

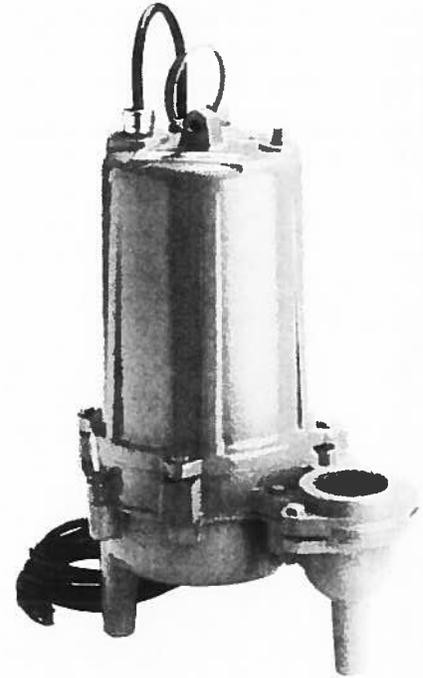
## WS SERIES - 1/2 HP, 1 HP

### APPLICATIONS

Ideal for handling raw sewage, commercial dewatering sump applications with up to 2" solids

### FEATURES

- All cast iron construction
- Oil-filled motor with double ball bearing capacitor start designed for high torque (single-phase only)
- Designed for continuous duty
- Switch options for automatic operation
- 2" (50 mm) NPT
- Handles solids up to 2" (51 mm) diameter
- Power cord sealed at motor housing
- 120 °F (49 °C) liquid temperature rating
- cCSAus listed



### SERIES SPECIFICATIONS

Item No.	Model	HP	Volts	Phase	Hz	Amps		Watts	Performance (GPM @ Height in Feet)							Shut-Off (ft)	PSI
						FLA	Start		5'	10'	15'	20'	25'	30'	35'		
620012	WS51M	1/2	115	1	60	11.6	47.4	940	155	120	83	52	-	-	-	27	11.7
620002	WS51AM	1/2	115	1	60	11.6	47.4	940	155	120	83	52	-	-	-	27	11.7
620013	WS52M	1/2	115	1	60	11.6	47.4	940	135	90	47	14	-	-	-	23	10
620003	WS52AM	1/2	115	1	60	11.6	47.4	940	135	90	47	14	-	-	-	23	10
620254	WS52HM	1/2	115	1	60	15	26.9	1520	-	128	97	68	32	-	-	29	12.5
620255	WS52HAM	1/2	115	1	60	15	26.9	1520	-	128	97	68	32	-	-	29	12.5
620256	WS52HM-12	1/2	208-230	1	60	9.7	32.6	1480	-	128	97	68	32	-	-	29	12.5
620257	WS52HAM-12	1/2	208-230	1	60	9.7	32.6	1480	-	128	97	68	32	-	-	29	12.5
620203	WS102M-12	1	208-230	1	60	9.8/10.7	26.7	1735	-	168	144	118	85	46	-	37	16
620215	WS102AM-12	1	208-230	1	60	9.8/10.7	26.7	1735	-	168	144	118	85	46	-	37	16
620208	WS102M-32	1	208-230	3**	60	4.3/4.58	6.8	1550	-	168	144	118	85	46	-	37	16
620209	WS102M-34	1	460	3**	60	2.15	3.4	1490	-	168	144	118	85	46	-	37	16
620258	WS102HM-12	1	230	1	60	13.6	37.0	2330	-	190	170	148	124	100	74	48	20.8
620259	WS102HAM-12	1	230	1	60	13.6	37.0	2330	-	190	170	148	124	100	74	48	20.8

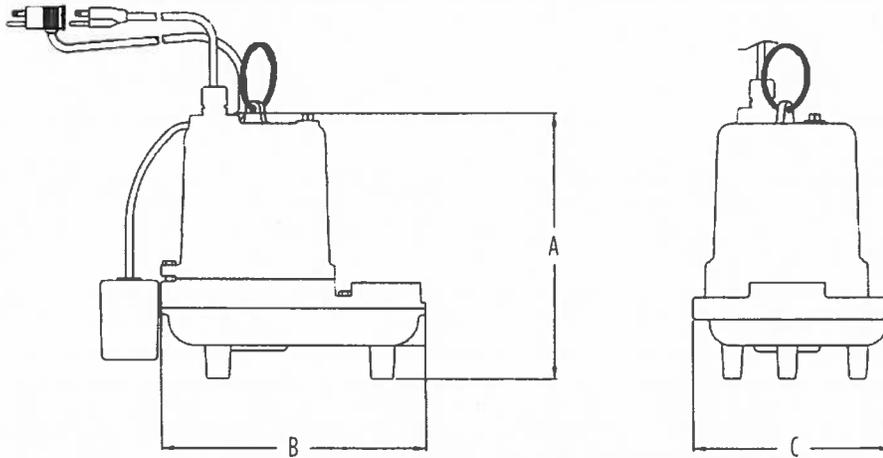
\*\* Three-phase pumps must have a three-phase control panel for automatic or manual operation

Item No.	Model	Volts	Switch Type/ Operation	On Level	Off Level	Cord	Weight
620012	WS51M	115	Manual	-	-	20' - 6.1 m	55 lbs - 24.95 Kg
620002	WS51AM	115	Piggyback Mechanical Float Switch	Adjustable		20' - 6.1 m	57 lbs - 25.85 Kg
620013	WS52M	115	Manual	-	-	20' - 6.1 m	57 lbs - 25.85 Kg
620003	WS52AM	115	Piggyback Mechanical Float Switch	Adjustable		20' - 6.1 m	59 lbs - 26.76 Kg
620254	WS52HM	115	Manual	-	-	30' - 9.1 m	58 lbs - 26.31 Kg
620255	WS52HAM	115	Piggyback Mechanical Float Switch	Adjustable		30' - 9.1 m	60 lbs - 27.22 Kg
620256	WS52HM-12	208-230	Manual	-	-	30' - 9.1 m	60 lbs - 27.22 Kg
620257	WS52HAM-12	208-230	Piggyback Mechanical Float Switch	Adjustable		30' - 9.1 m	60 lbs - 27.22 Kg
620203	WS102M-12	208-230	Manual	-	-	20' - 6.1 m	62 lbs - 28.12 Kg
620215	WS102AM-12	208-230	Piggyback Mechanical Float Switch	Adjustable		20' - 6.1 m	64 lbs - 29.03 Kg
620208	WS102M-32	208-230	Manual	-	-	20' - 6.1 m	63 lbs - 28.58 Kg
620209	WS102M-34	460	Manual	-	-	20' - 6.1 m	63 lbs - 28.58 Kg
620258	WS102HM-12	230	Manual	-	-	30' - 9.1 m	61 lbs - 27.67 Kg
620259	WS102HAM-12	230	Piggyback Mechanical Float Switch	Adjustable		30' - 9.1 m	63 lbs - 28.58 Kg

# SEWAGE PUMPS

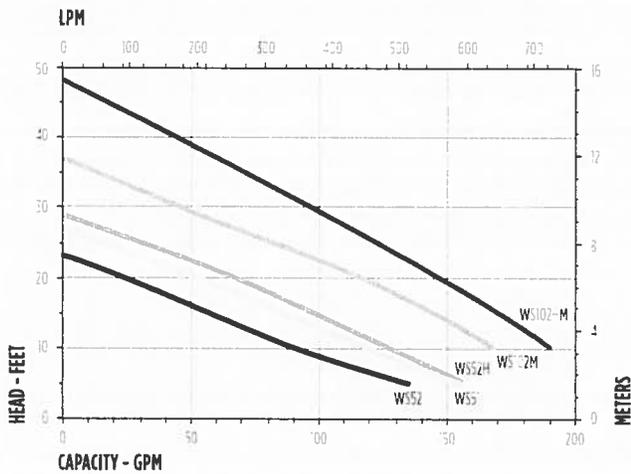
## WS SERIES - 1/2 HP, 1 HP

### ENGINEERING DATA



Model	A	B	C
WS51	13.25" 33.66 cm	12.25" 31.12 cm	9.38" 23.83 cm
WS52	14" 35.56 cm	12.25" 31.12 cm	9.38" 23.83 cm
WS52H	15.1" 38.36 cm	12.25" 31.12 cm	9.38" 23.83 cm
WS102	15.1" 38.36 cm	12.25" 31.12 cm	9.38" 23.83 cm
WS102H	15.1" 38.36 cm	12.25" 31.12 cm	9.38" 23.83 cm

### PERFORMANCE DATA



### CONSTRUCTION

<b>Motor Housing</b>	Cast iron
<b>Impeller Material</b>	Cast iron
<b>Impeller Type</b>	Non-clog
<b>Volute</b>	Cast iron
<b>Motor Shaft</b>	Stainless steel
<b>Shaft Seal</b>	Carbon/ceramic
<b>Fasteners</b>	Stainless steel
<b>Bearings</b>	Upper and lower ball bearings
<b>Power Cord</b>	SJTW - 620012, 620002, 620013, 620254, 620255, 620256, 620257, and 620258 SJOW - 620003, 620203, 620215, 620208, 620209, and 620259

# **ATTACHMENT A:**

**THE FOLLOWING DOCUMENTS WERE PROVIDED BY TOMMY MATTHEWS OF  
THE COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS AND RELIED  
UPON FOR THE DESIGN OF THE LOW DOSE TREATMENT SYSTEM**



Experience. *Quality*. Commitment



STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
ONSITE SEWAGE TREATMENT AND DISPOSAL  
SYSTEM  
APPLICATION FOR CONSTRUCTION PERMIT

350 052734345

PERMIT NO. 17-0064N  
DATE PAID: 1/31/17  
FEE PAID: N/A  
RECEIPT #: 1273683

APPLICATION FOR:

- New System     Existing System     Holding Tank     Innovative  
 Repair     Abandonment     Temporary

APPLICANT: Columbia County Board of Commissioners

AGENT: Tommy Matthews TELEPHONE: (386) 752-1039

MAILING ADDRESS: 135 N.E. Hernando Ave Lake City FL 32055

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(m) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.

PROPERTY INFORMATION

LOT: \_\_\_\_\_ BLOCK: \_\_\_\_\_ SUBDIVISION: \_\_\_\_\_ PLATTED: \_\_\_\_\_

PROPERTY ID #: 28-65-16-03962-COA(3) ZONING: \_\_\_\_\_ I/M OR EQUIVALENT:  Y  N

PROPERTY SIZE: 18.91 ACRES WATER SUPPLY:  PRIVATE PUBLIC  <=2000GPD  >2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS?  Y  N DISTANCE TO SEWER: \_\_\_\_\_ FT

PROPERTY ADDRESS: 17579 S.W. State Road 47

DIRECTIONS TO PROPERTY: North of Fort White on S.R 47 just North of Fort White High School

BUILDING INFORMATION

RESIDENTIAL     COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	<u>Concession</u>	<u>0</u>	<u>608</u>	<u>Menu includes hamburgers, fries,</u>
2				<u>2 employees = 30 gpd</u>
3				<u>carry out 498/100 x 50 gpd = 249 gpd</u>
4				<u>480 seats x 4 gpd = 1920 gpd</u>

Floor/Equipment Drains     Other (Specify) total gpd = 2174 gpd

SIGNATURE: Tommy Matthews DATE: 1/31/17



STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM  
SITE EVALUATION AND SYSTEM SPECIFICATION

APPLICATION # AP1273683  
PERMIT # 12-SC-1736501  
DOCUMENT # SE1023443

APPLICANT: COLUMBIA \*\*17-0064 COUNTY BOCC  
CONTRACTOR / AGENT: \_\_\_\_\_  
LOT: \_\_\_\_\_ BLOCK: \_\_\_\_\_  
SUBDIVISION: \_\_\_\_\_ ID#: 03862-003

TO BE COMPLETED BY ENGINEER, HEALTH DEPARTMENT EMPLOYEE, OR OTHER QUALIFIED PERSON. ENGINEERS MUST PROVIDE REGISTRATION NUMBER AND SIGN AND SEAL EACH PAGE OF SUBMITTAL. COMPLETE ALL ITEMS.

PROPERTY SIZE CONFORMS TO SITE PLAN:  YES  NO NET USABLE AREA AVAILABLE: 18.91 ACRES  
TOTAL ESTIMATED SEWAGE FLOW: 2174 GALLONS PER DAY [  RESIDENCES-TABLE1 /  OTHER-TABLE 2 ]  
AUTHORIZED SEWAGE FLOW: 472/5.02 GALLONS PER DAY [  1500 GPD/ACRE  2500 GPD/ACRE ]  
UNOBSTRUCTED AREA AVAILABLE: 3000.00 SQFT UNOBSTRUCTED AREA REQUIRED: 4077 SQFT

BENCHMARK/REFERENCE POINT LOCATION: Center line of pavement for bleachers next to basketball court  
ELEVATION OF PROPOSED SYSTEM SITE 5.00 [  INCHES ] [  FT ] [  ABOVE /  BELOW ] BENCHMARK/REFERENCE POINT

THE MINIMUM SETBACK WHICH CAN BE MAINTAINED FROM THE PROPOSED SYSTEM TO THE FOLLOWING FEATURES  
SURFACE WATER: NA FT DITCHES/SWALES: NA FT NORMALLY WET: [  YES  NO ]  
WELLS: PUBLIC: \_\_\_\_\_ FT LIMITED USE: \_\_\_\_\_ FT PRIVATE: NA FT NON-POTABLE: NA FT  
BUILDING FOUNDATIONS: 10 FT PROPERTY LINES: 100 FT POTABLE WATER LINES: 50 FT

SITE SUBJECT TO FREQUENT FLOODING? [  YES  NO ] 10 YEAR FLOODING? [  YES  NO ]  
10 YEAR FLOOD ELEVATION FOR SITE: \_\_\_\_\_ FT [  MSL /  NGVD ] SITE ELEVATION: \_\_\_\_\_ FT [  MSL /  NGVD ]

SOIL PROFILE INFORMATION SITE 1

USDA SOIL SERIES: BlantonLoamy

Munsell #/Color	Texture	Depth
10YR 5/2	Fine Sand	0 To 13
10YR 5/3	Fine Sand	13 To 47
10YR 7/4	Fine Sand	47 To 58
10YR 8/3	Fine Sand	58 To 72

SOIL PROFILE INFORMATION SITE 2

USDA SOIL SERIES: BlantonLoamy

Munsell #/Color	Texture	Depth
10YR 5/2	Fine Sand	0 To 15
10YR 5/3	Fine Sand	15 To 49
10YR 7/4	Fine Sand	49 To 53
10YR 7/6	Fine Sand	53 To 65
10YR 8/3	Fine Sand	65 To 72

OBSERVED WATER TABLE: 72.00 INCHES [  ABOVE  BELOW ] EXISTING GRADE TYPE: [  PERCHED /  APPARENT ]  
ESTIMATED WET SEASON WATER TABLE ELEVATION: 72 INCHES [  ABOVE  BELOW ] EXISTING GRADE  
HIGH WATER TABLE VEGETATION: [  YES  NO ] MOTTLING: [  YES  NO ] DEPTH: \_\_\_\_\_ INCHES  
SOIL TEXTURE/LOADING RATE FOR SYSTEM SIZING: Fine Sand/0.80 DEPTH OF EXCAVATION: \_\_\_\_\_ INCHES  
DRAINFIELD CONFIGURATION: [  TRENCH [  BED [  OTHER (SPECIFY) \_\_\_\_\_ ]

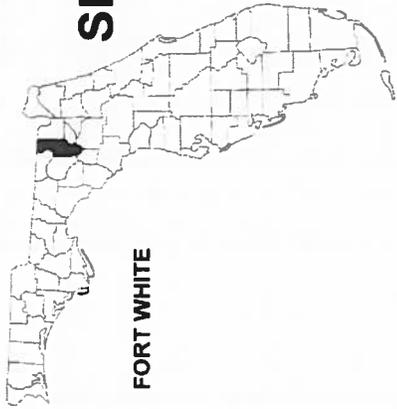
REMARKS/ADDITIONAL CRITERIA  
site 1 5" above bm  
site 2 0" above bm

SITE EVALUATED BY: Travis von Neumann DATE: 02/17/2017  
von Neumann, Travis (Title: Environmental Specialist I) (Florida Department of Health in Co



# COVER SHEET

## FORT WHITE REC PARK SEPTIC DESIGN FORT WHITE, FL SECTION 28, TOWNSHIP 6S, RANGE 16E



FORT WHITE



PROJECT LOCATION

SHEET INDEX	
COVER SHEET	1
SITE PLAN	2
MISC. DETAILS	3-4

PLANS PREPARED FOR:  
 COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS  
 ATTN: TOMMY MATTHEWS  
 135 NE HERNANDO AVE  
 LAKE CITY, FL 32055  
 386-758-1039



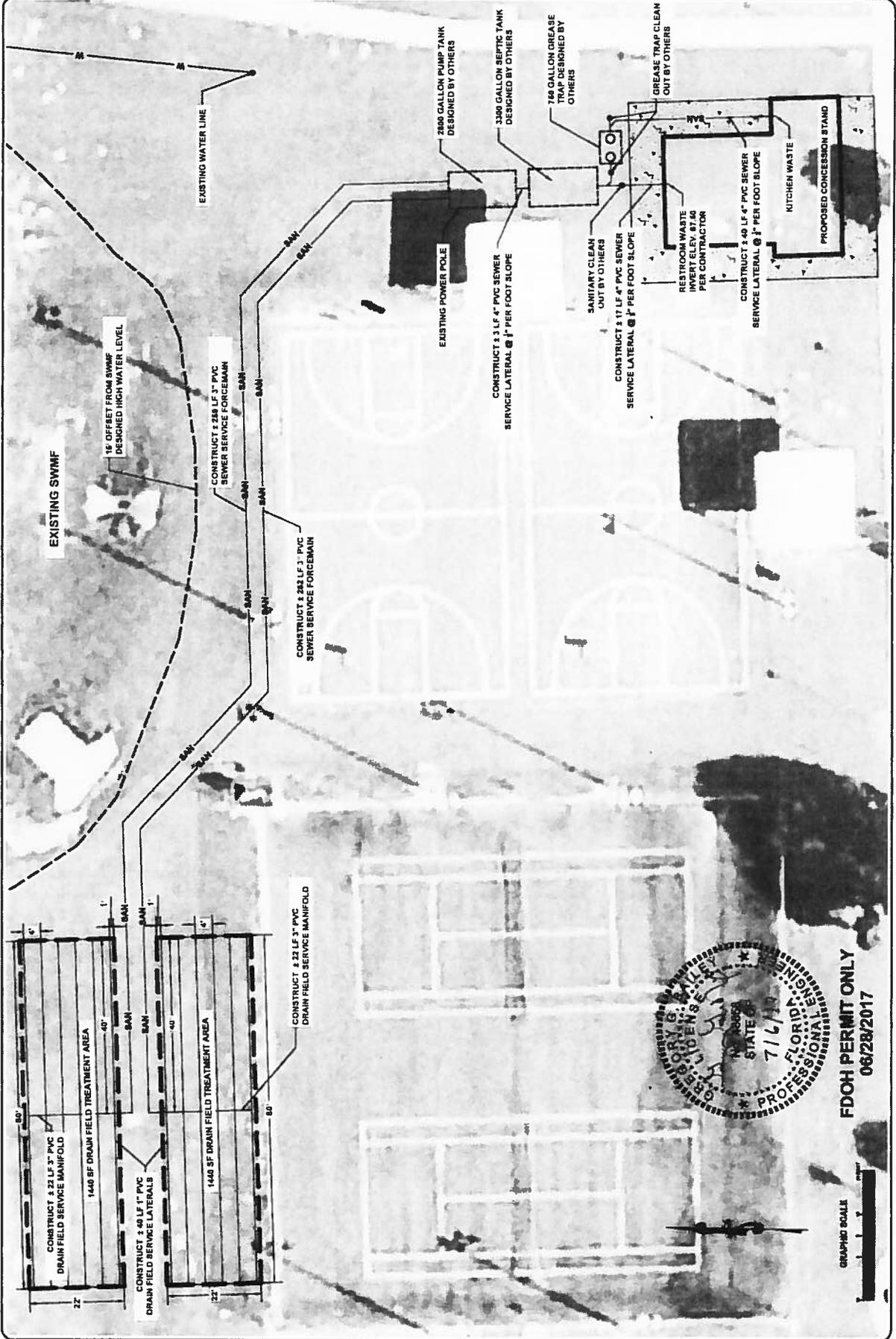
FDOH PERMIT ONLY  
 06/28/2017

North Florida Professional Services, Inc.  
 7000 Bona Vista  
 Tallahassee, FL 32310  
 Ph. 904-833-1232  
 Fax. 904-833-1234  
 Reg. Lic. 12911



**SITE PLAN**  
 FORT WHITE REC PARK SEPTIC DESIGN  
 FORT WHITE, FL

Job Number: L170524CCB  
 Drawn by: [Name]  
 Checked by: [Name]  
 Date: [Date]  
 Scale: [Scale]

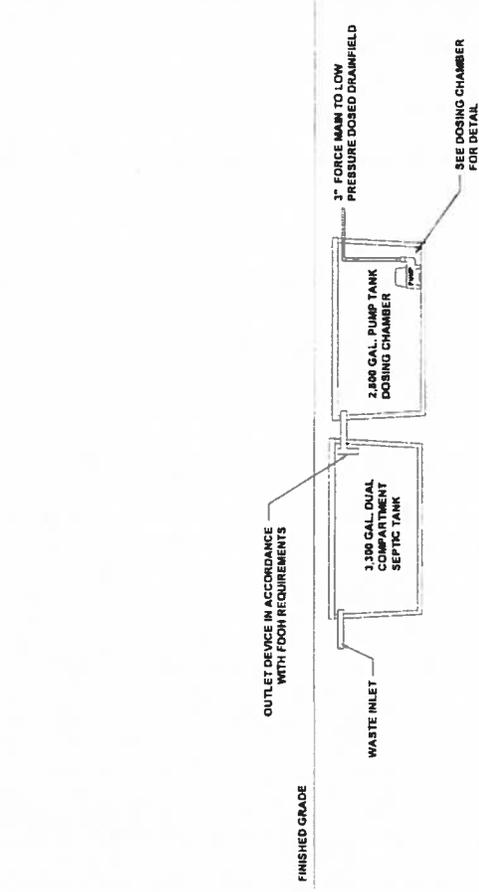


**FDH PERMIT ONLY**  
 06/28/2017

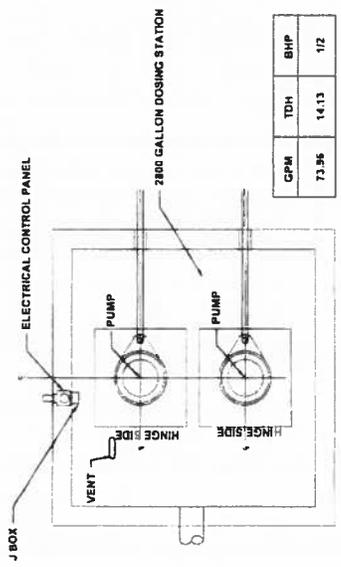




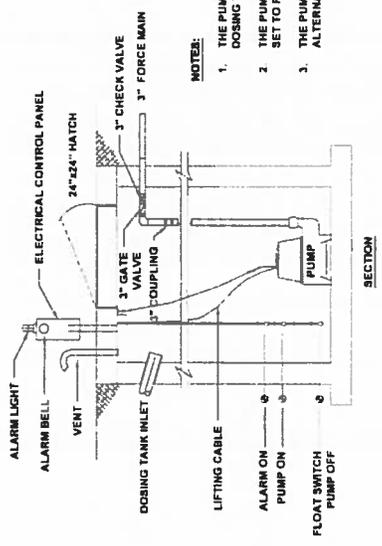
**FDOH PERMIT ONLY**  
 06/28/2017



- NOTES:**
1. ALL SYSTEM COMPONENTS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOH REQUIREMENTS (CH. 64E-6 F.A.C. 1.) AND FDOH SYSTEM PERMIT.
  2. CONTRACTOR SHALL COMPLY WITH ALL LOCAL CODES AND REQUIREMENTS.
  3. 4" WALL, 3,300 GAL. DUAL COMPARTMENT PRECAST SEPTIC TANK TO BE CONSTRUCTED BY FLORIDA SEPTIC, INC. STATE APPROVAL 01-911-940-C4.
  4. 4" WALL, 2,800 GAL. PRECAST DOSING TANK TO BE CONSTRUCTED BY FLORIDA SEPTIC, INC. STATE APPROVAL 01-911-42P-C4.
  5. ACCESS TO MANHOLE OR RISER SHALL BE WITHIN 8" TO FINISHED GRADE.



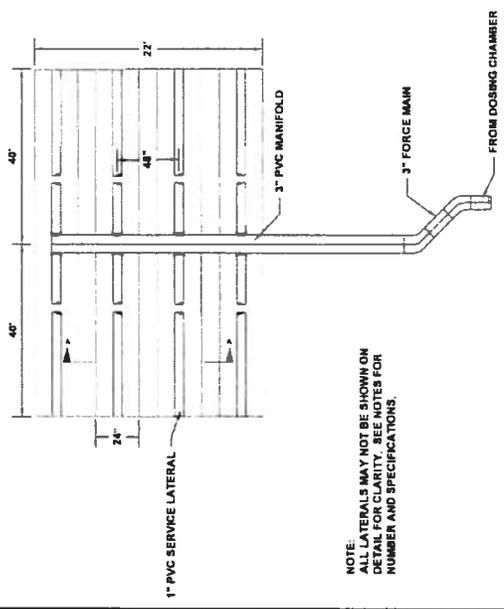
GPM	TDH	BHP
73.96	14.13	1/2



- NOTES:**
1. THE PUMPS SHALL BE PLACED IN A SINGLE DOSING TANK W/ A CONTROL PANEL.
  2. THE PUMP ON AND OFF LEVELS SHALL BE SET TO PUMP 500 GALLONS EACH CYCLE.
  3. THE PUMPS SHALL BE SET TO DOSE ALTERNATELY.

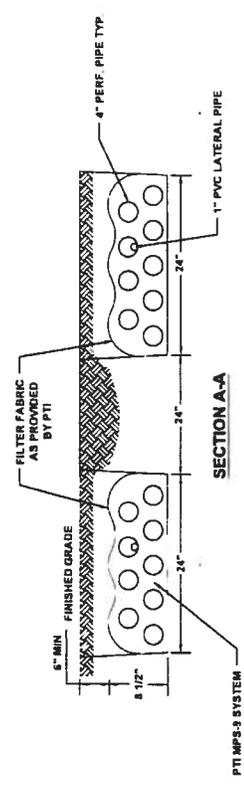
**2 TREATMENT TRAIN PROFILE**  
 3 SCALE: N.T.S.

**1 DUPLEX DOSING CHAMBER**  
 3 SCALE: N.T.S.



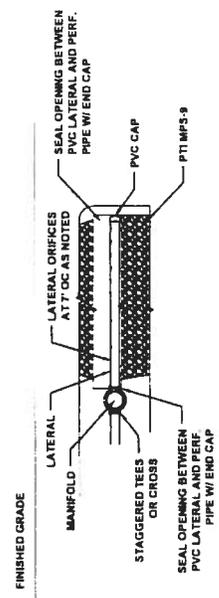
NOTE:  
 ALL LATERALS MAY NOT BE SHOWN ON  
 THIS PLAN. SEE NOTES FOR  
 NUMBER AND SPECIFICATIONS.

**LOW PRESSURE NETWORK  
 TYPICAL DRAINFIELD**



**SECTION A-A**

**1** DRAINFIELD DETAIL  
**4**  
 SCALE: N.T.S.



**DRAINFIELD LATERAL DETAIL FOR PTI MPS-9 SYSTEM**

**NOTES:**

1. SEPTIC SYSTEM DRAIN FIELD SHALL CONSIST OF TWO EQUAL LENGTHS OF DRAIN FIELDS. EACH DRAIN FIELD SHALL BE COSED ALTERNATELY.
2. LOW PRESSURE NETWORK TO CONSIST OF 12 - 1" PVC LATERALS EXTENDING A DISTANCE OF 48' OFF 3" PVC MANIFOLD.
3. EACH LATERAL SHALL BE DRILLED ON A STRAIGHT LINE ALONG THE LENGTH OF THE PIPE. ALL HOLES SHALL BE DRILLED PERPENDICULAR TO THE PIPE AND NOT AT AN ANGLE. HOLES SHALL BE SPACED 7' ON CENTER STARTING 47' FROM THE MANIFOLD AND SHALL BE 1/4" IN DIAMETER. ALL BURRS LEFT AROUND THE HOLES INSIDE THE PIPE SHALL BE REMOVED. REMAINING OR ENLARGING OF THE ORIFICE IS NOT ALLOWED.
4. THE LATERALS SHALL BE ATTACHED TO THE MANIFOLD SUCH THAT THE PERFORATIONS LIE ALONG THE CROWN OF THE PIPE.
5. THE LOW PRESSURE NETWORK SHALL BE GRADED SUCH THAT VARIATIONS IN ELEVATION SHALL NOT EXCEED 0.20'.
6. ALL PIPING SHALL BE SCHEDULE 40 PVC.
7. ALL PIPE CONNECTIONS SHALL HAVE SOLVENT WELDED CONNECTIONS.
8. PVC LATERALS SHALL BE PLACED INSIDE PTI MPS-9 DRAINFIELD PIPE SYSTEM.
9. PTI MPS-9 DRAINFIELD PIPE SYSTEM IS EQUIVALENT TO 3 SF OF MINERAL AGGREGATE FOR EACH LF OF PRODUCT.



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 06/28/2017