

**ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY  
NOTICE OF INTENT  
INDIVIDUAL TREATMENT FACILITIES  
NPDES GENERAL PERMIT ARG550000**

Application Type: New  Renewal  (Permit # ARG55 \_\_\_\_\_)

**I. PERMITTEE/OPERATOR INFORMATION**

Permittee (Legal Name): Neal Stephens Operator Type:  
Permittee Mailing Address: 287 Riverpark Drive  State  Partnership  
Permittee City: Malvern  Federal  Corporation\*  
Permittee State: Arkansas Zip: 72104  Sole Proprietorship/Private  
Permittee Telephone Number: 870-502-9908 \*State of Incorporation: \_\_\_\_\_  
Permittee Fax Number: NA The legal name of the Permittee must be  
Permittee E-mail Address: Nascreative1@yahoo.com identical to the name listed with the  
Arkansas Secretary of State.

**II. INVOICE MAILING INFORMATION (Home owners are exempt.)**

Invoice Contact Person: N/A City: \_\_\_\_\_  
Invoice Mailing Company: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Invoice Mailing Address: \_\_\_\_\_ Telephone: \_\_\_\_\_

**III. FACILITY INFORMATION**

Facility Name: Neal Stephens Residence Facility Contact Person: Neal Stephens  
Facility Address: 287 Riverpark Drive Telephone Number: 870-502-9908  
Facility County: Hot Spring Facility City, State & Zip: Malvern, Arkansas 72104  
Facility Latitude: 34 Deg 25 Min 17.64 Sec Facility Longitude: 92 Deg 51 Min 46.75 Sec  
Datum  
Accuracy: \_\_\_\_\_ Method: \_\_\_\_\_ : \_\_\_\_\_ Scale: \_\_\_\_\_ Description: \_\_\_\_\_

**IV. DISCHARGE INFORMATION**

Outfall Number: 001 Flow: 450 gpd (Gallons per Day)  
Stream Segment: 2C Hydrologic Basin Code: 804 02 03  
Outfall Latitude: 34 Deg 25 Min 14.31 Outfall Longitude: 92 Deg 51 Min 45.06 Sec  
Datum  
Accuracy: \_\_\_\_\_ Method: \_\_\_\_\_ : \_\_\_\_\_ Scale: \_\_\_\_\_ Description: \_\_\_\_\_  
Type of Treatment: Singulair 960 with UV  
Receiving Stream: Ouachita River

**V. FACILITY PERMIT INFORMATION**

NPDES Individual Permit Number (If Applicable): AR00  
NPDES General Permit Number (If Applicable): ARG  
State Construction Permit Number: \_\_\_\_\_  
NPDES General Construction Stormwater Permit Number (If Applicable): ARR15

WATER DIVISION  
5301 NORTHSHORE DRIVE / NORTH LITTLE ROCK, ARKANSAS 72118  
PHONE 501-682-0623 / FAX 501-682-0880  
www.adeq.state.ar.us

**VI. OTHER INFORMATION:**

Operator Name: David Meints  
Operator License Number: 009055 License Class: III

Consultant Contact Name: David Meints  
Consultant Email Address: david@meincowastewater.com  
Consultant Address: PO Box 1001 City: Bryant State: AR Zip: 72089  
Consultant Phone Number: 501-804-0837 Consultant Fax Number: 501-821-4048

Has this treatment system been approved by AHD? Yes  No

**Disclosure Statements:**

Arkansas Code Annotated Section 8-1-106 requires that all applicants for the issuance or transfer of any permit, license, certification or operational authority issued by the Arkansas Department of Environmental Quality (ADEQ) file a disclosure statement with their applications. The filing of a disclosure statement is mandatory. No application can be considered complete without one. You must submit a new disclosure statement even if you have one on file with the Department. The form may be obtained from ADEQ web site at: [http://www.adeq.state.ar.us/disclosure\\_stmt.pdf](http://www.adeq.state.ar.us/disclosure_stmt.pdf).

**VII. CERTIFICATION OF OPERATOR**

- NA (Initial) "I certify that, if this facility is a corporation, it is registered with the Secretary of the State of Arkansas."
- DS (Initial) "I certify that the cognizant official designated in this Application is qualified to act as a duly authorized representative under the provisions of 40 CFR 122.22(b). If no cognizant official has been designated, I understand that the Department will accept reports signed only by the Applicant."
- DS (Initial) "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Responsible Official Printed Name: NEAL STEPHENS Title: Owner  
 Responsible Official Signature: Neal Steph Date: 4/10/2023  
 Responsible Official Email: nascreative1@yahoo.com  
 Cognizant Official Printed Name: David Meints Title: Class III Operator  
 Cognizant Official Signature: David Meints Telephone: 501-804-0837  
 Cognizant Official Email: david@meincowastewater.com

**X. PERMIT REQUIREMENT VERIFICATION**

Please check the following to verify completion of permit requirements.

	Yes	No	* If No is answered for any of the questions, then a permit can not be issued!
Submittal of Complete NOI?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Submittal of Required Permit Fee?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Check Number: <u>homeowner exempt</u> <u>NA</u>
Submittal of AHD Form EHP-19?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Submittal of Site Map?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Submittal  
Statement?

of

Disclosure

Homeowner exempt

WATER DIVISION  
5301 NORTSHORE DRIVE / NORTH LITTLE ROCK, ARKANSAS 72118  
PHONE 501-682-0623 / FAX 501-682-0880  
[www.adeq.state.ar.us](http://www.adeq.state.ar.us)



Date: 5/10/2021



**Arkansas**  
**Department of Health**  
Keeping Your Hometown Healthy

**SEPTIC TANK PERMIT**

Customer Name: MEINCO LLC  
Customer No: 2301143552

Transaction Date: 5/10/2021  
Transaction No: 24312143                      Created By: djfleming

Amount Received: \$120.00                      Payment Method: Check No. 5710

Paid By: Meinco Inc

Owner's Name:	Neal Stephens
Site Location:	287 Riverpark Dr Malvern, Ar 72104
Subdivision:	N/A
Lot Number:	N/A
Designated Rep:	1214101                      RENE MEINTS
Sanitarian:	Morgan, John

**Thank you for your payment**

Hot Spring County Health Unit -  
Malvern  
2204 E Sullenberger Ave

Malvern                      AR 72104



Clark County Health Unit | 605 S. 10th ST | Arkadelphia, AR 71923  
Office: 870.246.4471 | Cell: 870.245.6106 | Fax: 870.245.2113

Arkansas Department of Health Approval Date:

Re: Conditions and Requirements for Operation and Use of A Surface Discharging Wastewater System.  
Neal Stephens ATU Surface Discharge Permit # 24312143 Hot Spring Co. AR

To the Responsible Party:

The plans and specifications for the above listed project receive approval by the Arkansas Department of Health as currently designed. The completed system must match the approved design. Please be advised that as the owner of record you are responsible for the following:

1. All costs relating to the operation and maintenance of the system.
2. Staying in compliance with all discharge requirements.
3. Financial responsibility for discharge monitoring and sampling by a Certified Maintenance Person.
4. Obtaining an NPDES permit through the Arkansas Department of Environmental Quality is required (contact information is provided).
5. Any changes from the specified design and unit will require a new maintenance contract and a resubmission of the permit.
6. This approval is for an on-site retention scheme for all domestic wastewater generated from one building on 5.8 acres as a repair to a malfunction. Any changes to discharge or further subdivision of the property may void this approval. Additional requirements may be required in the future should Arkansas Department of Health or Arkansas Department of Environmental Quality regulations change.

This installation of this system will correspond to the specifications for design attached to the construction permit, and installation may start after final approval from the Arkansas Department of Environmental Quality (ADEQ). Department of Health acceptance of this project does not release the owner from any liability from any additional state or federal requirements.

If you have any questions, please contact the local environmental health specialist

Respectfully,  
John R. Morgan

Environmental Health Specialist  
Southwest Region  
Arkansas Department of Health  
605 S. 10<sup>th</sup> ST Arkadelphia, AR 71923  
Office: 870.246.4471 | Cell: 870.245.6106  
Fax: 870.245.2113  
[john.morgan2@arkansas.gov](mailto:john.morgan2@arkansas.gov)





**Arkansas Department of Health**  
Environmental Health Protection

Receipt Number  
**243 12143**

**Individual Onsite Wastewater System Permit Application**

Permit Type  New Installation  
 Alteration / Repair

DR Environmental ID #

7 6 0 1 0 9 7 6 4 7

Fee Schedule for Structures		√
Structures 1500 sq ft or less	\$ 30.00	<input type="checkbox"/>
Structures more than 1500 sq ft and up to 2000 sq ft	\$ 45.00	<input type="checkbox"/>
Structures more than 2000 sq ft and up to 3000 sq ft	\$ 90.00	<input type="checkbox"/>
Structures more than 3000 sq ft and up to 4000 sq ft	\$120.00	<input checked="" type="checkbox"/>
Structures more than 4000 sq ft	\$150.00	<input type="checkbox"/>
Alteration and Repair	\$ 30.00	<input type="checkbox"/>

**Part 1 Application**

Treatment Type (check one)

Disposal Method (check one)

STD = Standard Septic Tank  ATU = Aerobic Treatment Plant  STD = Standard Absorption Field  LPD = Low Pressure Distribution  
 ISF = Intermittent Sand Filter  RSF = Re-circulating Sand Filter  SUR = Surface Discharge  HLD = Holding Tank  
 PMF = Proprietary Media Filter  RGF = Re-circulating Gravel Filter  CPF = Capping Fill  SRL = Serial Distribution  
 OTH = Other (Describe)  HLD = Holding Tank  OTH = Other *Nbr Weeds*  DRP = Drip Irrigation

1. Owner's/Applicant's Name: Neal Stephens  
2. Phone Number: (870) 502-9908

3. Mailing Address: 4312 Deerwood Drive, White Hall, AR 71602  
4. County: Hot Spring

5. Address of Proposed System (If a 911 address is not available, attach detailed directions or map):  
287 Riverpark Drive, Malvern, AR 72104 (Call ahead to alert owner of arrival. At gate 092# will call owner to open gate.)

6. Subdivision Name: n/a  
7. Approval Date: n/a  
8. Date Recorded: n/a  
9. Lot Number: n/a

10. Lot Dimensions: 438' x 750' x 310' x 710'  
11. Total Area (Acres): 5.8  
12. # Bedrooms # People: 4  
13. Daily Flow (GPD): 450

14. Brief Legal Description of Property (Attach a separate sheet of paper, if necessary):  
Section 32, Township 3 South, Range 17 West, Hot Spring County

15. Water Supply (Specify supplier, if Public Water): Kimzy Water  
16. GPS Coordinates: HM 34.41975, -92.86196 POD 34.42330, -92.86195

17. Loading Rates	(gpd/ft <sup>2</sup> )	18. System Specifications					
Primary Area	n/a	a. Size of Septic Tank	ATU	gal	f. Trench Depth	n/a	inches
Secondary Area	n/a	b. Size of Dose Tank	n/a	gal	g. Trench Spacing	n/a	feet
Percolation Test	(min/in)	c. Absorption Area	n/a	ft <sup>2</sup>	h. Trench Media (List Below)		i. Trench Width
Primary Area Avg	n/a	d. Number of Field Lines	n/a		n/a		n/a in
Secondary Area	n/a	e. Length of Field Lines	n/a	ft	n/a		n/a in

**TO THE OWNER**

The permit for construction may be deemed invalid by the local Environmental Health Specialist before the start of construction, if the site and/or soil conditions have changed after approval of this permit, or if the information within this permit is inaccurate or has been found to be misrepresented. Approval for operation does not constitute a guarantee that the system will function properly. The approval states that the system was designed and installed according to the Arkansas Department of Health, Rules and Regulations Pertaining to Onsite Wastewater Systems, unless there are exceptions or deviations noted in the comments. A Permit for Construction is valid for one (1) year from the date of approval. The authorized agent must revalidate a permit more than one (1) year old prior to the start of any construction.

**19. Utilization Verification**

I hereby attest that item 12, the number of bedrooms (number of persons for commercial) and square footage of the structure that will utilize the designed individual onsite wastewater system in this permit application, is accurate. I have reviewed the permit application and understand the layout, installation, maintenance, operation and expense(s) that may be associated with this system.

Owner/Applicant Signature: *See attached* Date: \_\_\_\_\_

20. I certify that I have conducted the above tests and that the above listed information is in accordance with the latest requirements of the Arkansas Department of Health Rules and Regulations Pertaining to Onsite Wastewater Systems.

*Rene E. Meints* Designated Representative Soil Certified  Yes  No

Designated Representative Signature: \_\_\_\_\_ Title: \_\_\_\_\_  
 Rene E. Meints 04/29/2021 501-821-3837/501-804-0837  
 Print Name Date Phone Number

**21. Approval of Health Authority**

The information and specifications in the application has been reviewed and found to meet the requirements of the Arkansas Department of Health Rules and Regulations Pertaining To Onsite Wastewater Systems. A PERMIT FOR CONSTRUCTION is hereby issued.

*J. R. Meints* Environmental Specialist Signature *740* EHS Number *18 May 2021* Date

# Individual Onsite Wastewater System Permit Application

Receipt Number  
24312143

Continue Part 1

22. Soil Criteria (Primary Area)								Indicate the depth to items a-f, if observed in the soil (designate in inches)	
a. Bedrock	b. BSWT	c. MSWT	d. LSWT	e. Adj. MSWT	f. Adj. LSWT	g. H.C./Depth	h. Loading Rate (gpd/ft <sup>2</sup> )		
27"	n/a	n/a	n/a	n/a	n/a	n/a	Unsuitable		
23. Soil Criteria (Secondary Area)								Indicate the depth to items a-f, if observed in the soil (designate inches)	
a. Bedrock	b. BSWT	c. MSWT	d. LSWT	e. Adj. MSWT	f. Adj. LSWT	g. H.C./Depth	h. Loading Rate (gpd/ft <sup>2</sup> )		
23"	n/a	n/a	n/a	n/a	n/a	n/a	Unsuitable		
24. Seasonal Water Table (SWT) Classes Detail									
Primary Area					List Redoximorphic Features and/or Clay Content Restrictions				
Brief	in	Not Observed							
Moderate	in	Not Observed							
Long	in	Not Observed							
Secondary Area					List Redoximorphic Features and/or Clay Content Restrictions				
Brief	in	Not Observed							
Moderate	in	Not Observed							
Long	in	Not Observed							
Comments									
Permit requires an ATU with UV disinfection and surface discharge. An NPDES Permit is required. If system is not installed within a year of the date approved, a revalidation fee may be required.									

## Part 2 Installation Inspection

Septic tank manufacturer	Pump information
Septic tank material	Trench media and width
Dose tank manufacturer	Depth of interceptor drain
Dose tank material	Depth of settled fill
Name of Installer	License Number
Installation Inspected by <input type="checkbox"/> Environmental Health Specialist <input type="checkbox"/> Designated Representative (check one or installer signs System Installation Verification below)	
Signature	EHS / License Number
System Installation Verification I have installed this system as designed and in compliance with all Rules and Regulations Pertaining to Onsite Wastewater Systems.	
Installer Signature	License Number
	Date

## Part 3 Permit for Operation

The information contained in Part 1 and 2 of this form has been reviewed and found to meet the requirements of the Arkansas Department of Health. THE PERMIT FOR OPERATION of this system is hereby issued.

Environmental Health Specialist	Signature	EHS Number	Date
Comments			
Site Revalidation conducted by <input type="checkbox"/> Environmental Health Specialist <input type="checkbox"/> Designated Representative (check one)			
Signature	EHS / License Number	Date	



\* Optional System Utilization Verification Form



**Arkansas Department of Health**  
Environmental Health Protection

Receipt Number  
**24312143**

**Individual Onsite Wastewater System Permit Application**

Permit Type  New Installation  
 Alteration / Repair

DR Environmental ID #

7601097647

Homeowner

Builder/Developer

Fee Schedule for Structures	
Structures 1500 sq ft or less \$ 30.00	<input type="checkbox"/>
Structures more than 1500 sq ft and up to 2000 sq ft \$ 45.00	<input type="checkbox"/>
Structures more than 2000 sq ft and up to 3000 sq ft \$ 90.00	<input type="checkbox"/>
Structures more than 3000 sq ft and up to 4000 sq ft \$120.00	<input checked="" type="checkbox"/>
Structures more than 4000 sq ft \$150.00	<input type="checkbox"/>
Alteration and Repair \$ 30.00	<input type="checkbox"/>

TO THE PROPERTY OWNER

Onsite Wastewater System Utilization Verification

Property location: 287 Riverpark Drive, Malvern, AR 72104  
(Address of Proposed System, City, State, Zip)

I hereby attest there are 4 bedrooms (\_\_\_ number of persons for commercial) and the square footage of the structure that will utilize the designed onsite wastewater system in this permit application is accurate. I have reviewed the permit application and understand the layout, installation, maintenance, operation and expense(s) that may be associated with this system.

As Developer/Builder, I hereby attest that the above information is correct and prior to the sale of the property, I will convey, to the buyer, all information associated with this system.

Owner/Applicant Signature Neal Steith

Date 4/30/2021

*This document must be submitted with the permit application, if the Owner/Applicant Signature Section (number 19 on the EHP-19) is not signed.*

# SERVICE AND MAINTENANCE CONTRACT

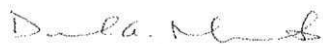
1. **Parties.** This contract ("Agreement" or "Contract") is between Meinco Septic Systems, Inc., ("Meinco") and Neal Stephens, ("Client"), referred to individually as a "Party" and collectively as the "Parties."
2. **Service Location.** This is a Contract for septic system service and maintenance services provided by Meinco for Client located at 287 Riverpark Drive, Malvern, AR 72104, hereinafter referred to as the "Service Site."
3. **Service Fees.** Client agrees to pay Meinco One Hundred Dollars (\$ 100.00 ) for septic system service and maintenance specifically work performed every Three Months (Quarterly) and described more specifically below (hereinafter referred to as "Service Work"). Meinco and Client agree that the invoiced amount is good consideration for this Contract and the services set forth below and reflects the bargained for terms of this agreement.
4. **Materials Charges.** During regular maintenance Meinco will replace materials necessary to keep the septic system operating efficiently (chlorine tablets, UV light bulbs, floats, filters, etc.). Meinco and Client agree that Meinco shall submit to client the costs of maintenance parts and materials and Client will promptly pay the same.
5. **Laboratory Fees.**
  - A)  This paragraph is inapplicable.
  - B)  Client agrees that Meinco will use a third party laboratory, Environmental Services, Inc., for any sampling that is required under this Contract. In such event, Meinco shall submit to Client a laboratory fee of \$ 125.00 and Client will promptly pay the same.
6. **Services Provided.** Meinco agrees to provide the following Service Work to the Client and the Service Site:
  - A) Maintenance requirements, including review of system components and their working condition, monitoring of solid levels to determine system efficiency, and periodic cleaning of system filters or media.
  - B)
    - i.  This paragraph is inapplicable.
    - ii.  Necessary sampling and submission of paperwork every     month(s) or as required to comply with the Arkansas Department of Health Onsite Maintenance Program.
  - C) Necessary paperwork every 6 month(s) as required to comply with the Arkansas Department of Health and/or the Arkansas Department of Environmental Quality.
  - D)
    - i.  This paragraph is inapplicable.
    - ii.  Sampling of discharge every 6 month(s) in coordination with a 3rd party laboratory for required laboratory tests.
7. **Contract Duration.** This contract shall be for a period of 24 month(s) from the date this Contract is executed by the parties on page 2
8. **Flow Requirements.** This contract shall be null and void if septic system flow exceeds 450 gallons per day.
9. **Modification to System.** If the septic system is modified, abused, mis-used, or altered, then Meinco's responsibility to service or maintain the septic system is terminated. Meinco may remedy such conditions by replacing parts or correcting defects. If Meinco makes such changes to the septic system, then it may charge to client the costs of repairs, modifications, parts, and labor. Meinco may, at its discretion, seek payment in advance of making any repairs or modifications to the septic system. In such event, Meinco shall not be responsible for any damage or adverse effects for its delay in making repairs or modifications to the septic system.
10. **Access to System.** Client agrees to provide Meinco access to the septic system as well as its parts and components.
11. **Termination by Client.** Client may terminate this contract by providing thirty (30) days written notice to Meinco.
12. **Termination by Meinco.** Notwithstanding, and in addition to, any other provision or term in this Contract, **MEINCO MAY TERMINATE THIS CONTRACT AT ANY TIME AND WITHOUT PREVIOUS NOTICE TO CLIENT.**
13. **Solid Removal.** Solid removal is not a covered service and shall incur an additional fee. If Meinco removes solids from the septic system, then it may charge to client the costs of solid removal. In any event, Meinco shall not be responsible for any damage or adverse effects for any delay in removing solids.
14. **Indemnity.** To the fullest extent permitted by law, Client shall indemnify, hold harmless, and defend Meinco and any agent or employees of Meinco from and against all injuries, claims, damages, losses, and expenses, including, but not limited to, attorneys' fees, arising directly or indirectly out of the obligations herein undertaken or resulting out of operations related to the Service Work or Service Site conducted by Meinco, Meinco's agents, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, regardless of whether or not such injury, claim damage, losses, or expenses is caused in part by a party indemnified. Such obligation shall not negate, abridge, or otherwise reduce the rights or obligations of indemnity which would otherwise exist to a party or person described in this paragraph.

15. **Assignment.** Client agrees that even though this is a contract for services, Meinco may assign this Contract to any third party without written notice to Client.
16. **Bilateral Contract.** Meinco and client specifically agree that Client is seeking Meinco's promise to perform and not its performance.
17. **Claims Against Meinco.** Client shall give Meinco written notice of all claims within five (5) days of Client's knowledge of facts giving rise to the event for which claim is made. Otherwise, such claims shall be deemed waived by Client. All unresolved claims, disputes, and other matters in question between Meinco and Client shall be resolved in the manner provided for in this Agreement.
18. **Rights Upon Breach.** If Client breaches this Agreement with Meinco, Meinco may stop all work, including all Service Work. Additionally, Client will be liable to Meinco for consequential, incidental, and reliance damages as well as attorneys' fees and court costs. Such liability upon Client shall extend to petitions for and orders of contempt as well as any attempts by Meinco to collect upon any debt or damages owed to it by Client, including those entered by court of law or other dispute resolution proceeding.
19. **Direct Discussion.** If a dispute arises out of or relates to this Agreement, the Parties shall endeavor to settle the dispute through direct discussion before advancing to any dispute resolution proceeding.
20. **Joint Drafting.** The Parties expressly agree that this Agreement was jointly drafted and that this Agreement shall be construed neither against nor in favor of either Party. Instead, this Agreement shall be construed in a neutral manner.
21. **Choice of Law.** The Parties expressly agree that any dispute or claim filed or heard in any jurisdiction concerning or relating to this Agreement or worked performed as a result of this Agreement shall be governed by the laws of the State of Arkansas.
22. **Forum Selection and Choice of Venue.** The Parties expressly agree that any dispute or claim arising from, filed, or heard concerning or relating to this Agreement or work performed as a result of this Agreement shall be heard in Saline County, Arkansas, and no other forum. If this clause is penetrated and the hearing

concerning the dispute removed to the United States federal court system, then the Parties expressly agree that the dispute shall be heard in the United States District Court for the Eastern District of Arkansas, Western Division, at the Richard Sheppard Arnold United States Courthouse in Little Rock, Arkansas.

23. **Waiver of Agreement Terms.** Meinco, at its sole discretion and leisure, may waive any term in this Agreement. Such waiver shall not, under any conditions or circumstances, constitute a modification of this Agreement. Additionally, such waiver shall not, under any conditions or circumstances, constitute a course of performance, course of dealings, or trade usage between Meinco and Client. Any waiver by Meinco shall be limited to a single incident or event. No waiver of any term of this Agreement is valid unless it is in writing, signed by Meinco, and attached to this Agreement as an addendum. It is the responsibility and duty of Client to draft any written waiver and to present it to Meinco for Meinco's approval and signature.
24. **Force Majeure.** Neither Party shall be in breach of its obligations under this Agreement (other than payment obligations) or incur any liability to the other Party for any losses or damages of any nature whatsoever incurred or suffered if and to the extent that the other party it is prevented from carrying out its obligations by, or such losses or damages are caused by, a *force majeure* event. For purposes of this paragraph, the failure of the state of Arkansas or the United States of America to act according to current practices, procedure, or law at the time of the making of this Contract shall be considered a *force majeure* event. Such event by the government shall be in addition to any current or commonly accepted definition of *force majeure* event.
25. **Merger and Integration.** Meinco and Client agree that this Agreement represents a full, final, and complete memorial of their Agreement for the Service Work and that this Agreement does not rely upon any term or promise not otherwise specified within the four corners of this Agreement.
26. **No Oral Modification.** Meinco and Client agree that this Agreement shall not be subject to oral modification. The Parties agree that any modification made or agreed to by the Parties shall be in writing, signed by both Parties, and attached to this Agreement as an Addendum.

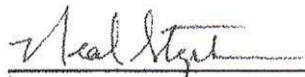
**By signing this Agreement below, I indicate that I have read this Agreement and its terms, consisting of two (2) pages, excluding any Addendum or Addenda, and that these express terms are both acceptable and agreeable to me. I further declare that these terms do not represent an undue hardship, are not illusory, and are not unconscionable as I have expressly bargained for these terms in consideration of entering into this Contract for the value specified in paragraph three (3).**



Meinco Septic Systems, Inc.

04/30/2021

Date



4/30/2021

Client

Date



**Arkansas Department of Health**  
 4815 West Markham, Slot 46  
 Little Rock, Arkansas 72205-3867

**MEMORANDUM OF AGREEMENT**

**SUBJECT: ONSITE WASTEWATER SYSTEM APPLICATION**

This is an agreement that the onsite wastewater system installed on this property has been permitted under authority of Act 402 of 1977 and by the Arkansas Department of Health with the understanding that the following provisions are met:

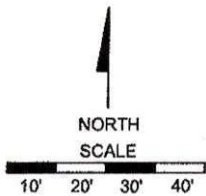
1. Onsite Wastewater Systems requiring a Monitoring Contract with a Certified Monitoring Personnel are Holding Tanks, Experimental Systems (i.e. Reduced Absorption Areas, \*ABGs), and Drip Dispersal Systems. \*Aerobic Biological Generators – Commercial applications only, residential applications must follow manufacturers' service contract requirements.
2. The property owner assumes all responsibility for the proper operation of the onsite wastewater system.
3. The property owner must maintain a monitoring contract with a licensed Certified Monitoring Personnel for the life of the system and retain Onsite Wastewater System Assessments (EHP-71), on file, for at least five (5) years.
4. The Arkansas Department of Health has no responsibility in the operation and maintenance of such systems.
5. That the Arkansas Department of Health may monitor the system as to its operation capabilities.
6. That the Arkansas Department of Health is granted permission to make such inspections as deemed necessary.
7. Subsurface systems with flows  $\geq 3000$  gpd and all surface discharging systems require the owner to file an additional permit application with the Arkansas Department of Environmental Quality (ADEQ).
8. **That, on the sale of the property, the owner of the property must disclose to the perspective buyer notice of this agreement and any permit requirements. The buyer is to sign memoranda, contracts or permit name change forms and submit these documents to the appropriate regulatory agency.**

SIGNED: Neal Steinhilber  
 (Property Owner)

SIGNED: J. R. Moya EHS 748  
 (Health Department)

DATE: 4/30/2021

DATE: 18 May 2021



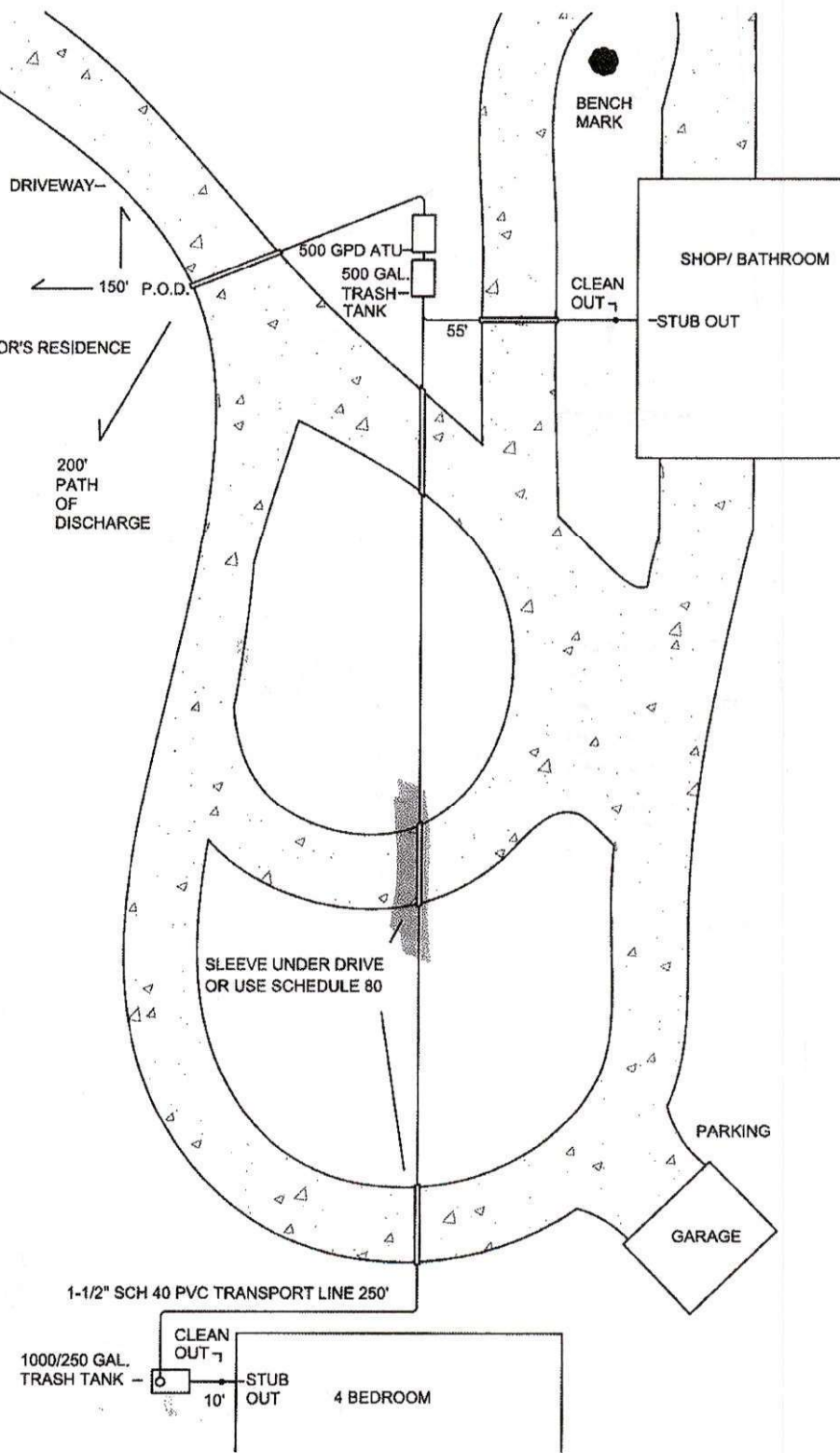
300' FROM ANY NEIGHBOR'S RESIDENCE  
100' FROM RESIDENCE

GROUND AND FLOW LINE ELEVATIONS (feet & inches)

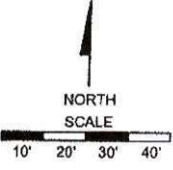
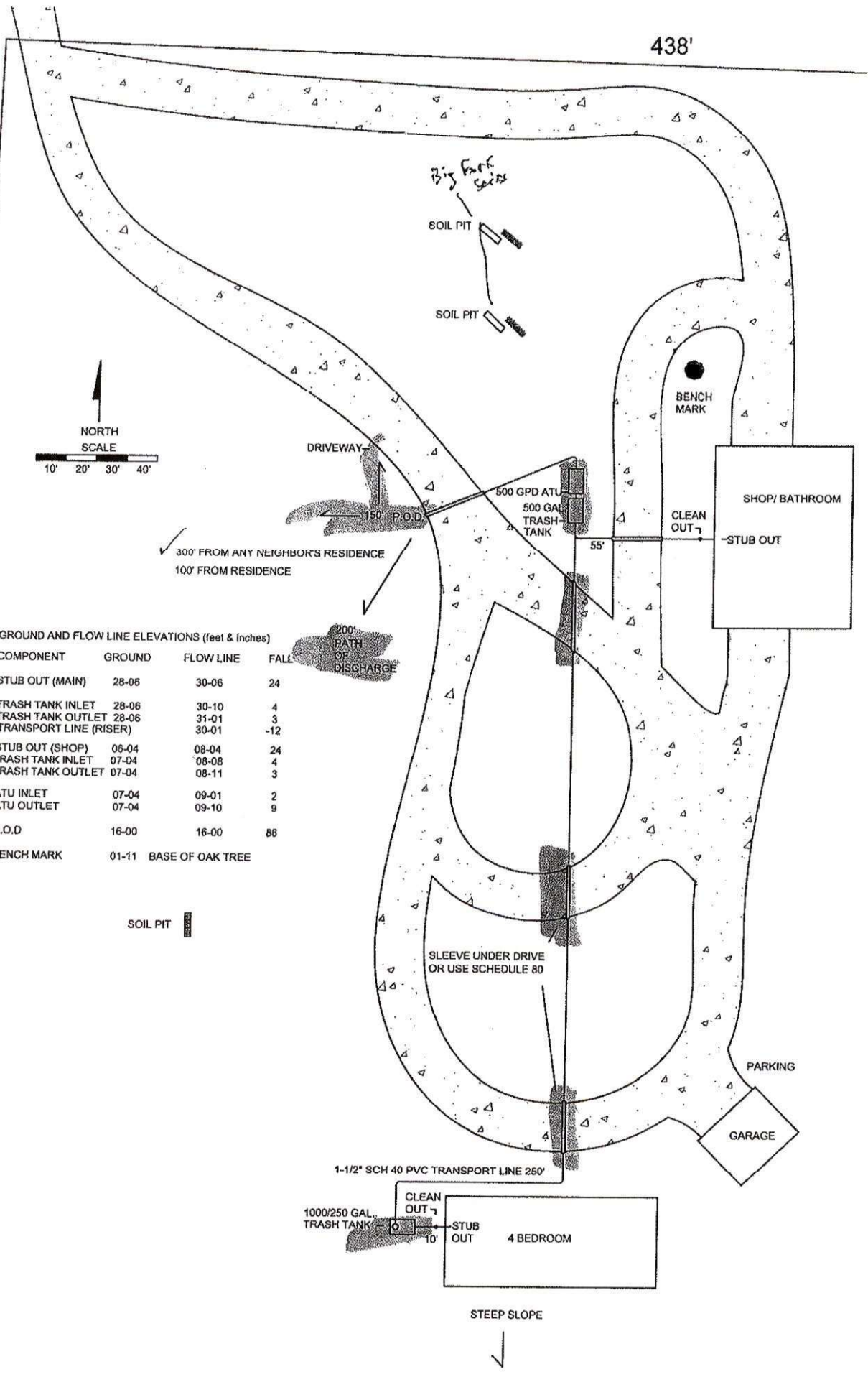
COMPONENT	GROUND	FLOW LINE	FALL
STUB OUT (MAIN)	28-06	30-06	24
TRASH TANK INLET	28-06	30-10	4
TRASH TANK OUTLET	28-06	31-01	3
TRANSPORT LINE (RISER)		30-01	-12
STUB OUT (SHOP)	06-04	08-04	24
TRASH TANK INLET	07-04	08-08	4
TRASH TANK OUTLET	07-04	08-11	3
ATU INLET	07-04	09-01	2
ATU OUTLET	07-04	09-10	9
P.O.D	16-00	16-00	86
BENCH MARK	01-11	BASE OF OAK TREE	

*Big fork septic*

SOIL PIT



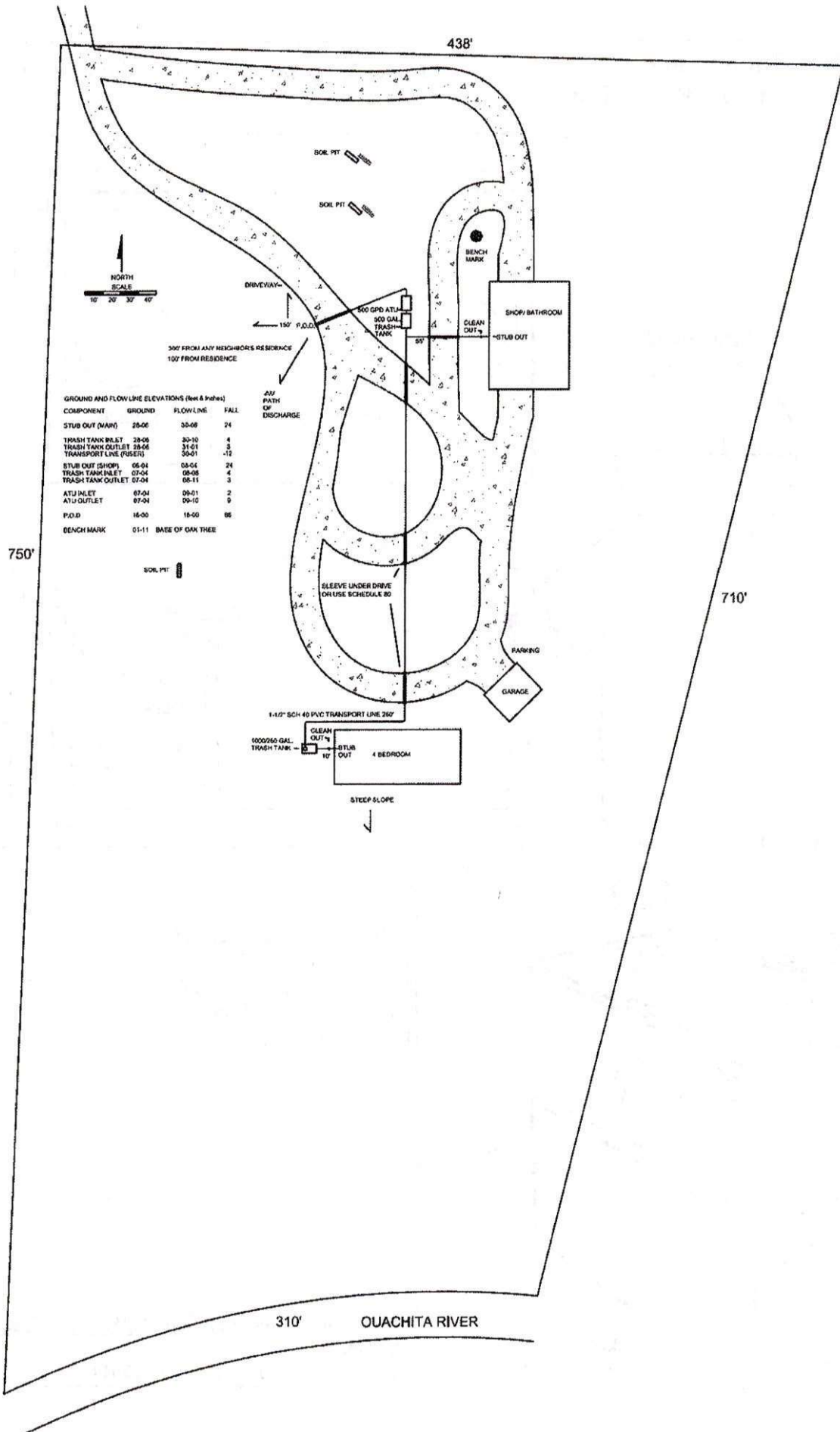
438'



GROUND AND FLOW LINE ELEVATIONS (feet & inches)

COMPONENT	GROUND	FLOW LINE	FALL
STUB OUT (MAIN)	28-06	30-06	24
TRASH TANK INLET	28-06	30-10	4
TRASH TANK OUTLET	28-06	31-01	3
TRANSPORT LINE (RISER)		30-01	-12
STUB OUT (SHOP)	06-04	08-04	24
TRASH TANK INLET	07-04	08-08	4
TRASH TANK OUTLET	07-04	08-11	3
ATU INLET	07-04	09-01	2
ATU OUTLET	07-04	09-10	9
P.O.D	16-00	16-00	86
BENCH MARK	01-11	BASE OF OAK TREE	

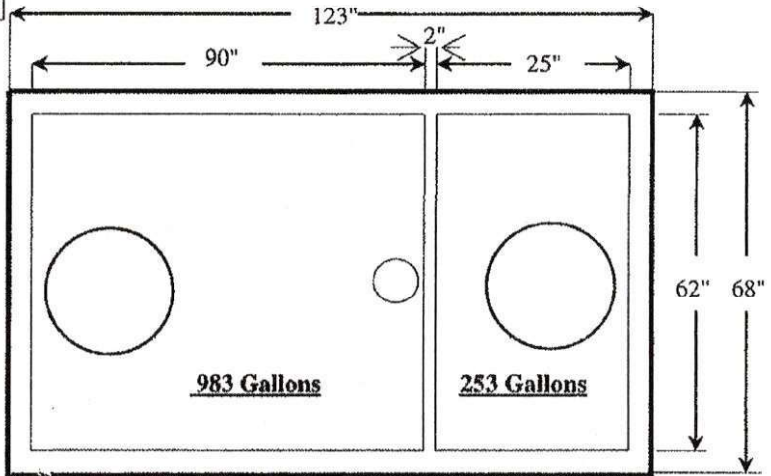
750'



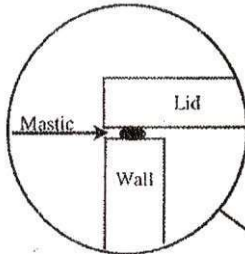
**1000 - Gallon Single  
Compartment W/250 Pump Tank**

**TOP VIEW**

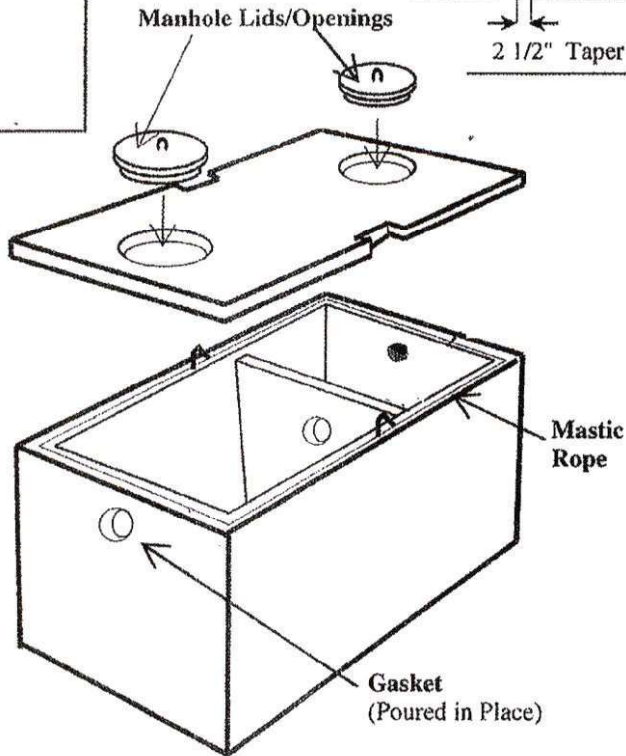
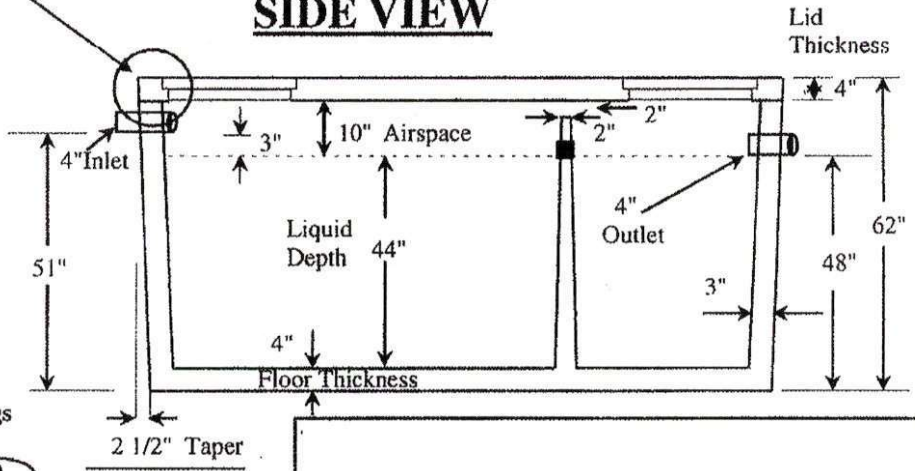
Drawings Not To Scale



**Enlarged Detail**



**SIDE VIEW**



**WHITTEN CONCRETE CO.**  
 2703 W. 2nd AVE.  
 PINE BLUFF, AR. 71601  
 PHONE: 870-534-6901  
 FAX: 870-534-6902

**1000 - Single Compartment W/250 Pump Tank**  
 Drawing #: DZ-2  
 Drawing by: SMR Date: 1/19/2011

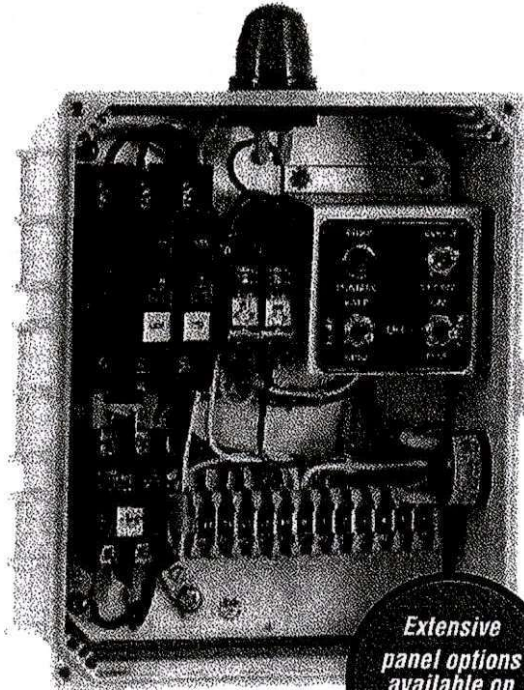




CONTROL PANELS

**SPI SINGLE-PHASE SIMPLEX  
DEMAND CONTROL PANELS**

**SINGLE-PHASE SIMPLEX**

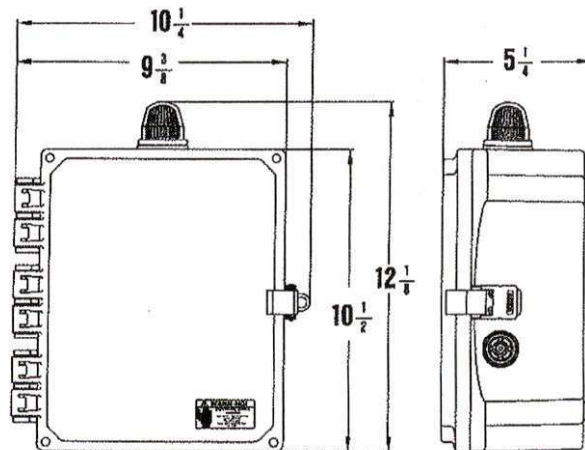


*Extensive  
panel options  
available on  
pages 30 & 31!*



**FEATURES**

- Available in 120/208/240VAC-1PH models
- 4X rated durable, weather-resistant enclosure with mounting feet and stainless steel latch
- Main circuit breaker
- DP rated motor contactor
- Easy-to-access, finger-safe terminal block
- Secondary fuse protection for control circuit
- Pump hand-off-auto switch with pump run light
- Full alarm circuit (visual and audible alarms)
- Alarm test and silence switches
- Color-coded internal wiring
- Connection diagram and schematic
- Three-float system (off, on, high water)
- Three 15' mechanical float switches included
- Built and labeled to UL 508A standard

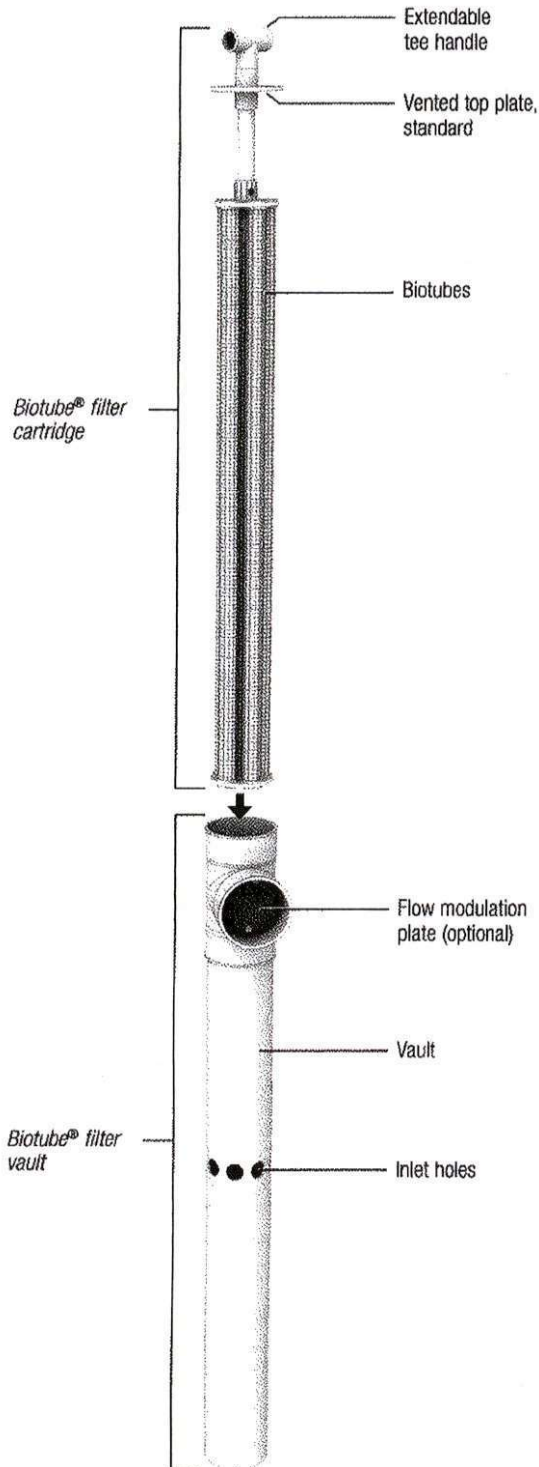


\*Panels include 3 mechanical floats normally open with 15' cords.

**SIMPLEX**

PART NUMBER	MODEL NUMBER	SUPPLY VOLTAGE	FLA RANGE	CIRCUIT BREAKER	SHIPPING WEIGHT	SUGGESTED LIST PRICE (WITH FLOATS)
50A001	SSC1B	120	0-20	1	13.0 lbs.	\$615.87
50A002	SSC2B	208/240	0-20	1	13.0 lbs.	\$651.73
50A006	SSC12B	120/208/240	0-20	1	13.0 lbs.	\$651.73

# 4-in. (100-mm) Biotube® Effluent Filters



## Applications

Orenco® 4-inch Biotube® Effluent Filters are designed to remove solids from effluent leaving residential septic tanks. They can be used in new and existing tanks at flows of up to 1200 gpd.

## General

Orenco 4-inch Biotube Effluent Filters (U.S. Patents No. 4,439,323 and 5,492,635) are used to improve the quality of effluent exiting a septic tank in a residential septic system. Increased effluent quality improves system performance and extends drainfield life.

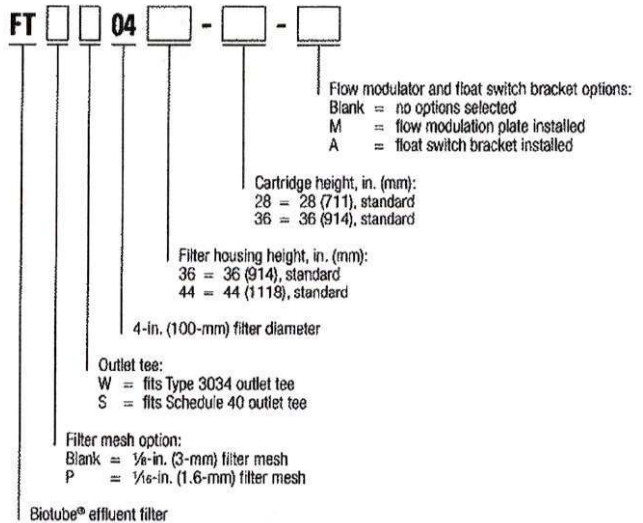
The Biotube cartridge fits tightly in the vault and is removable for maintenance. The tee handle can be extended for easy removal of the cartridge.

## Standard Models

FTS0444-36, FTS0444-36M, FTW0436-28, FTW0436-28M  
FTW0444-36, FTW0444-36M

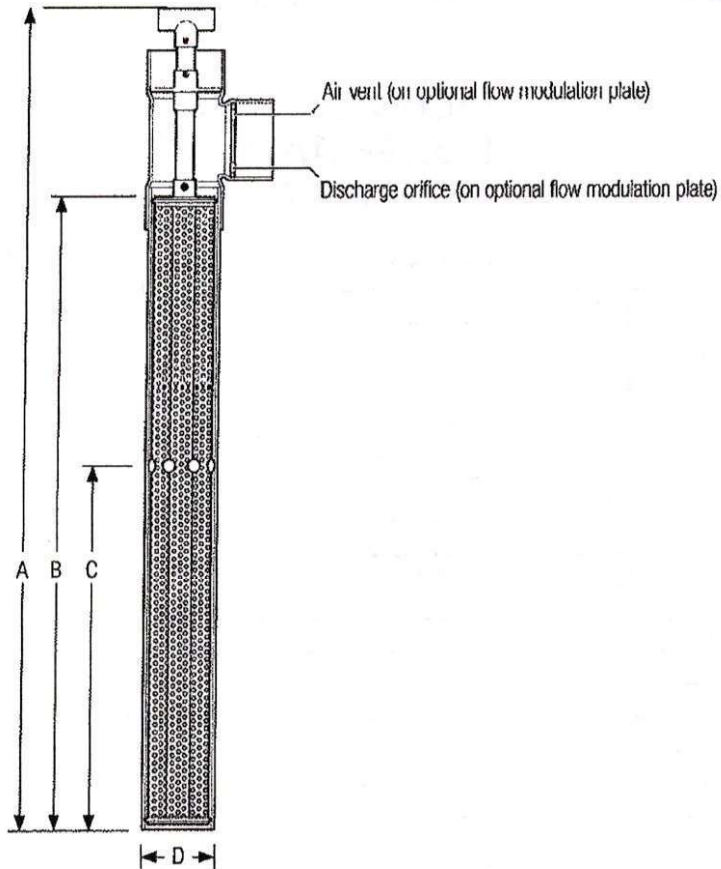
## Product Code Diagram

FT 04 36 28



## Materials of Construction

Vault	PVC
Biotube® cartridge	Polypropylene and polyethylene
Handle components	PVC, polyethylene, stainless steel



**Specifications**

Model	FTS0444-36, FTW0444-36	FTS0436-28, FTW0436-28
A - Vault height, in. (mm)	44.00 (1118)	36.00 (914)
B - Cartridge height, in. (mm)	36.00 (915)	28.00 (710)
C - Inlet hole height,* in. (mm)	21.25 (540)	19.25 (489)
D - Nominal diameter, in. (mm)	4.00 (100)	4.00 (100)
Number of inlet holes	8	8
Inlet hole diameter, in. (mm)	1.13 (29)	1.13 (29)
Discharge orifice diameter, in. (mm)	4.00 (100)	4.00 (100)
Discharge coupling diameter, in. (mm)	4.00 (100)	4.00 (100)
Filter surface area,† ft² (m²)	5.1 (0.50)	3.9 (0.40)
Flow area,** ft² (m²)	1.5 (0.15)	1.2 (0.12)
<b>Flow Modulation Plate (Optional)</b>		
Number of discharge orifices	2	
Discharge orifice diameter, in. (mm)	0.50 (12.7)	
Number of air vents	1	
Air vent diameter, in. (mm)	0.50 (13)	

\* Inlet hole height can vary depending on the configuration of the tank. Optimum hole height is 70% of the minimum liquid level.

† Filter area is defined as the total surface area of all individual Biotubes® within the filter cartridge.

\*\* Flow area is defined as the total open area (or area of the mesh openings) of all the individual Biotubes within the filter cartridge.

Trusted. Tested. Tough.™

Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.



SECTION: 2.15.080  
FM2784  
1017  
Supersedes  
0315

## TECHNICAL DATA SHEET DOSE-MATE SERIES Models 151, 152, 153 Effluent Pumps

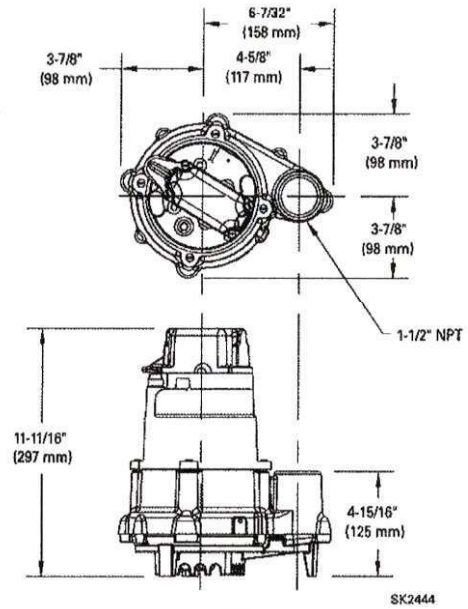
### PRODUCT SPECIFICATIONS

<b>MOTOR</b>	Horse Power	1/3 (151), 4/10 (152), 1/2 (153)	
	Voltage	115 or 230	
	Phase	1 Ph	
	Hertz	60 Hz	
	RPM	3450	
	Type	Permanent split capacitor	
	Insulation	Class B	
	Amps	3.0 - 10.5	
	<b>PUMP</b>	Operation	Automatic or nonautomatic
		Discharge Size	1-1/2" NPT
Solids Handling		1/2" (12 mm), 3/4" (19 mm) spherical solids	
Cord Length		20' (6 m)	
Cord Type		UL listed power cord	
Max. Head		44' (13.4 m)	
Max. Flow Rate		77 GPM (291 LPM)	
Max. Operating Temp.		130 °F (54 °C)	
Cooling		Oil filled	
Motor Protection		Auto reset thermal overload	
<b>MATERIALS</b>	Cap	Cast iron	
	Motor Housing	Cast iron	
	Pump Housing	Cast iron	
	Base	Plastic or cast iron	
	Upper Bearing	Sleeve bearing	
	Lower Bearing	Ball bearing	
	Mechanical Seals	Carbon and ceramic	
	Impeller Type	Non-clogging vortex	
	Impeller	Engineered thermoplastic	
	Hardware	Stainless steel	
Motor Shaft	AISI 1215 steel		
Gasket	Neoprene		

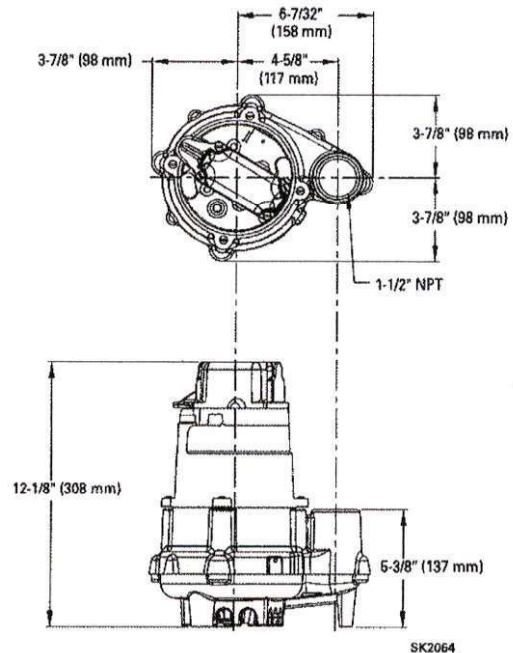
NOTE: The sizing of effluent systems normally requires variable level float(s) controls and properly sized basins to achieve required pumping cycles or dosing timers with nonautomatic pumps.

NOTE: See model comparison chart for specific details.

#### MODEL 151

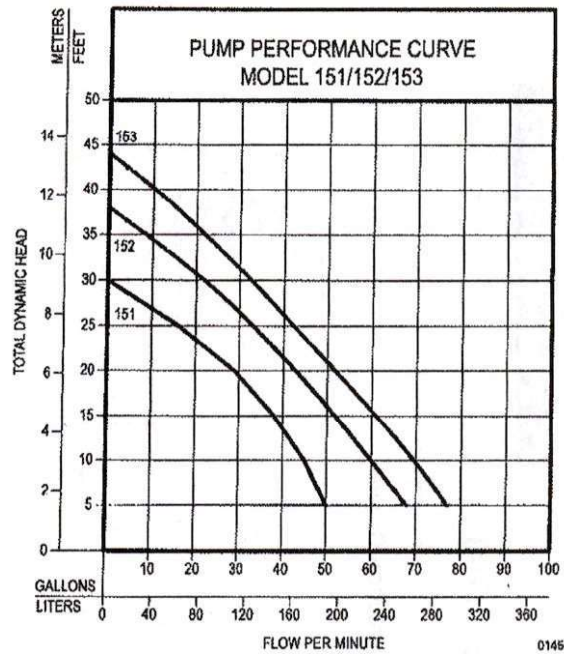


#### MODELS 152 & 153



## TOTAL DYNAMIC HEAD FLOW PER MINUTE

MODEL		151		152		153	
Feet	Meters	Gal	Liters	Gal.	Liters	Gal.	Liters
5	1.5	50	189	69	261	77	291
10	3.0	45	170	61	231	70	265
15	4.6	38	144	53	201	61	231
20	6.1	29	110	44	167	52	197
25	7.6	16	61	34	129	42	159
30	9.1	--	--	23	87	33	125
35	10.7	--	--	--	--	22	85
40	12.2	--	--	--	--	11	42
Shut-off Head:		30 ft. (9.1m)		38 ft. (11.6m)		44 ft. (13.4m)	



Model	MODEL COMPARISON										
	Seal	Mode	Volts	Ph	Amps	HP	Hz	Lbs	Kg	Simplex	Duplex
N151	Single	Non	115	1	6.0	1/3	60	32	15	1	2 or 3
E151	Single	Non	230	1	3.0	1/3	60	32	15	1	2 or 3
BN151	Single	Auto	115	1	6.0	1/3	60	33	15	*	2 or 3
BE151	Single	Auto	230	1	3.0	1/3	60	33	15	*	2 or 3
N152	Single	Non	115	1	8.5	4/10	60	37	17	1	2 or 3
E152	Single	Non	230	1	4.3	4/10	60	37	17	1	2 or 3
BN152	Single	Auto	115	1	8.5	4/10	60	39	18	*	2 or 3
BE152	Single	Non	230	1	4.3	4/10	60	39	18	*	2 or 3
N153	Single	Non	115	1	10.5	1/2	60	37	17		
BN153	Single	Auto	115	1	10.5	1/2	60	39	18	*	2 or 3
E153	Single	Non	230	1	5.3	1/2	60	37	17	1	2 or 3
BE153	Single	Non	230	1	5.3	1/2	60	39	18	*	2 or 3

\*BN and BE models include a 20' (6 m) piggyback variable level pump switch. Additional cord lengths are available in 25' (8 m) and 35' (11 m). 50' (15 m) cords are available for 230 V units only.

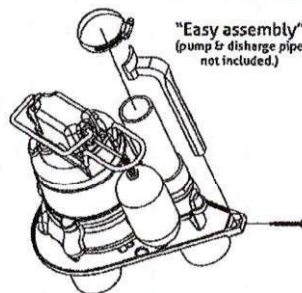
NOTE: Model 151 has a plastic base. Models 152 & 153 have a cast iron base.

### SELECTION GUIDE

- For automatic, use single piggyback variable level float switch or double piggyback variable level float switch. Refer to FM0477.
- See FM1228 for correct model of simplex control panel.
- See FM0712 for correct model of duplex control panel.

#### OPTIONAL PUMP STAND P/N 10-2421

- Reduces potential clogging by debris
  - Replaces rocks or bricks under the pump
  - Made of durable, noncorrosive ABS
  - Raises pump 2" (5 cm) off bottom of basin
  - Provides the ability to raise intake by adding sections of 1½" or 2" (DN40 or DN50) PVC piping
  - Attaches securely to pump
  - Accommodates sump, dewatering and effluent applications
- NOTE: Make sure float is free from obstruction.



#### CAUTION

All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).

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502-778-2731 | 800-928-7867 | 3649 Cane Run Road | Louisville, KY 40211-1961 | zoellerpumps.com



**ENVIRONMENTAL**

Zoeller Family of Water Solutions



**PUMP COMPANY**

Zoeller Family of Water Solutions

# Zoeller Company

## System Head Curve and Pump Selection Tool

**Static Head Information**

Static Head - elevation difference from low water to outfall:  No

System high point above outfall?  No

**Friction Head Information**

Pipe: How many different pipes in the system (not counting laterals)?

Pipe 1 Length:

Pipe 1 Size:  SCH 40

Pipe 1 Class:

Other Pipes:

**Pressurized Laterals?**

Number of laterals:

Size of laterals:

**Fittings & Discharge Assemblies**

Type	Size	Quantity

**Special Friction Considerations**

Weep Hole:  Yes  No

Add-In Friction:  Yes  No

Automatic Multizone Valve?  Yes  No

Pressure Filter?  Yes  No

**Operating Head Information**

System Type:

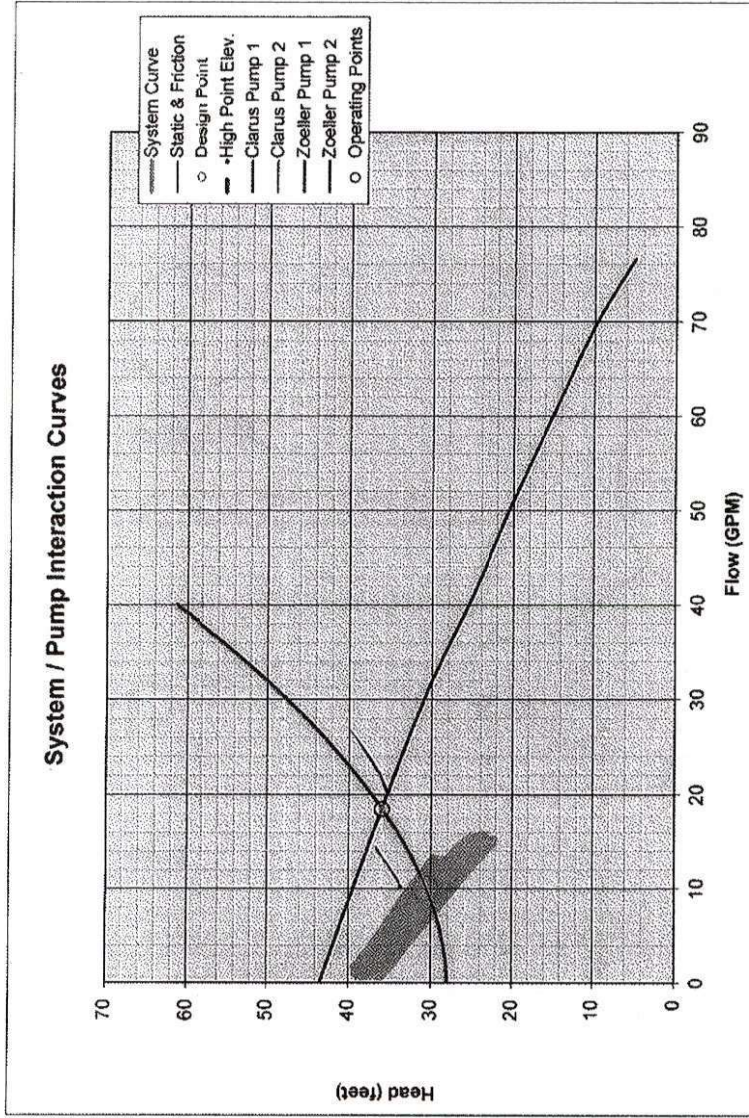
Specify Flow Requirement?  Yes  No

**Factors and Coefficients**

Hazen-Williams C Factor:

Discharge Coefficient (Cd):

Lateral Design Mode:



Flow Requirement:  NOTE: THE DISPLAYED PUMP CURVES HAVE BEEN ADJUSTED TO ACCOUNT FOR THE EFFECT OF THE WEEP HOLE

Pump Selection	60 Hz	Frequency
Clarus Environmental Pumps		
Clarus Pump 1		
Clarus Pump 2		
Zoeller Pump Company Pumps		
Zoeller Pump 1	153	0.5hp, 60Hz
Zoeller Pump 2	33.5	0.3hp, 60Hz

Design Point: 10.0 GPM @ 30.6 TDH

Curve Zoom Range: 40 GPM

**Project Data**

Project Name: Neal Stephens

Project Address: 287 Fairpark Drive, Malvern, AR 72104

Contact Info: Rose E. Meints, 507-594-4774

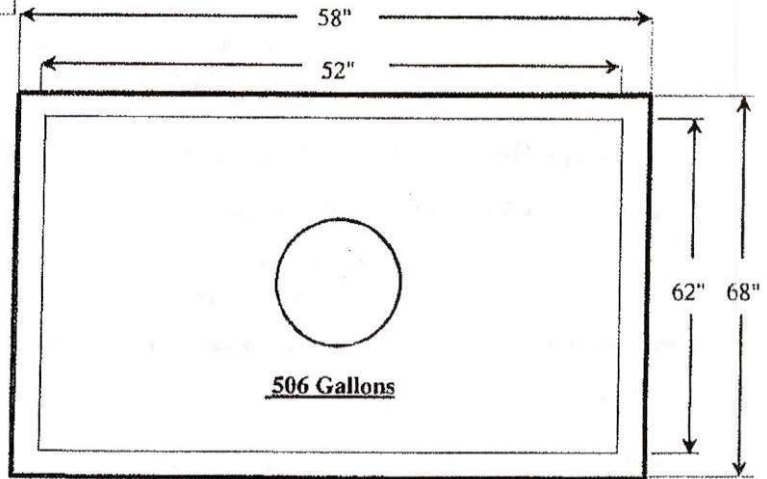
**Notes:**

1 1/2" transport line

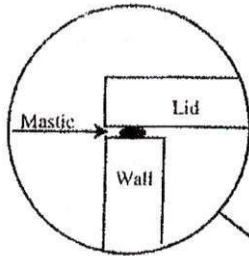
# 500 - Gallon Tank

## TOP VIEW

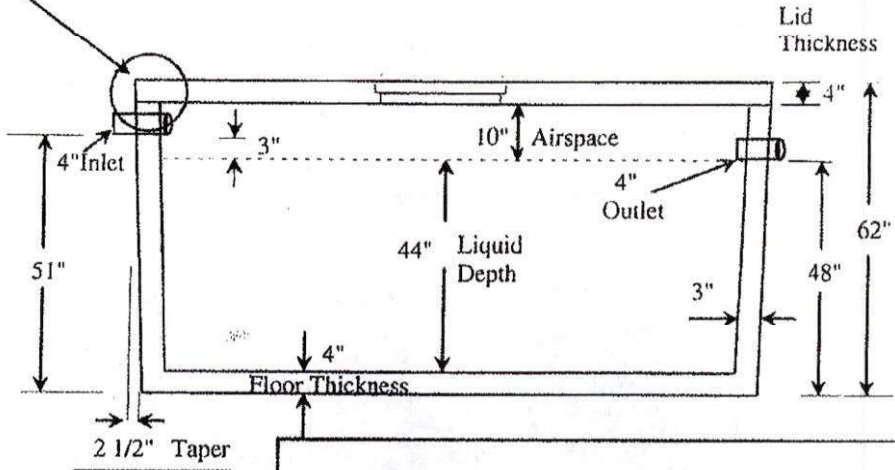
Drawings Not To Scale



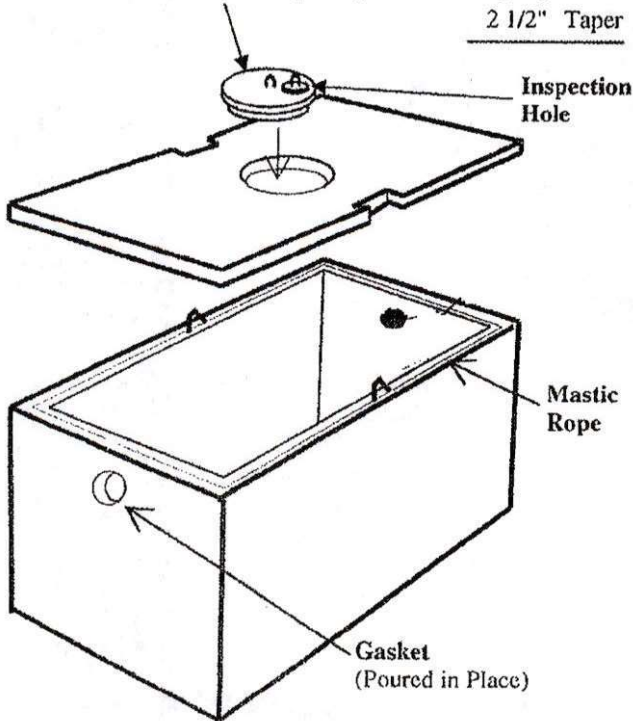
### Enlarged Detail



## SIDE VIEW



### Manhole Lid Opening



WHITTEN CONCRETE CO.  
2703 W. 2nd AVE.  
PINE BLUFF, AR. 71601  
PHONE: 870-534-6901  
FAX: 870-534-6902

500 - Gallon Tank Drawing #: DZ-2  
Drawing by: SMR Date: 1/19/2011

# ***norweco***<sup>®</sup>

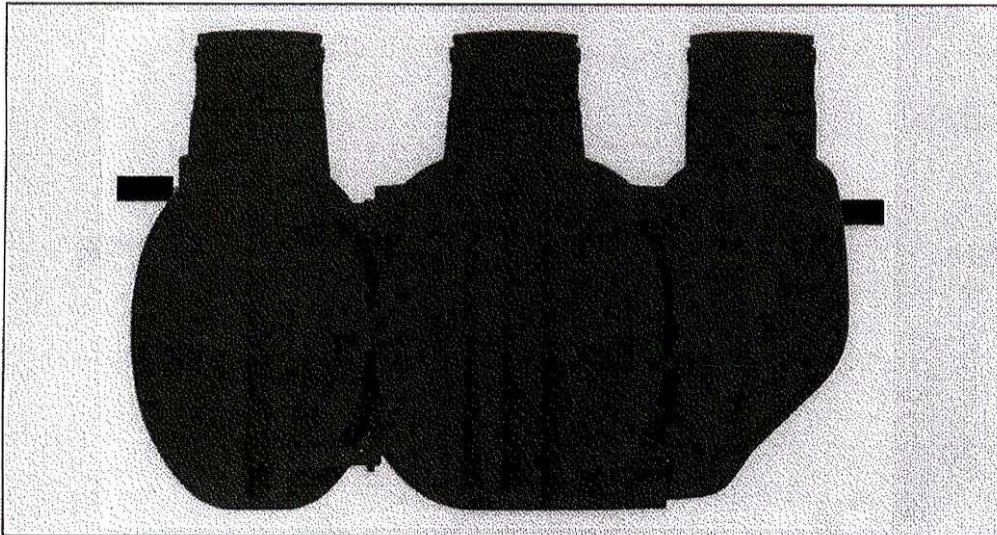
**SINGULAIR GREEN<sup>®</sup> BIO-KINETIC<sup>®</sup> WASTEWATER TREATMENT SYSTEM**

**MODELS 960 AND TNT WITH SERVICE PRO<sup>®</sup> CONTROL CENTER**

## **SPECIFICATIONS**

### **GENERAL SPECIFICATIONS**

The contractor shall furnish and install one complete Singulair Green Bio-Kinetic wastewater treatment system with all necessary parts and equipment as described in the following specifications. Treatment of the domestic wastewater shall be accomplished by the extended aeration process with non-mechanical flow equalization, pretreatment of the influent and filtration of the final effluent. The treatment system shall provide primary, secondary and tertiary treatment of the wastewater flow, and if required, chlorination and dechlorination of the effluent prior to discharge. All treatment processes shall be contained within a single tank which shall be manufactured using high density polyethylene resin. The wastewater treatment system shall be a Singulair Green as manufactured by Norweco, Inc., Norwalk, Ohio, USA. Systems not including integral pretreatment or non-mechanical flow equalization shall not be considered for this application.



The wastewater treatment system shall include high density polyethylene tankage providing separate pretreatment, aeration and final clarification chambers. The tankage shall be furnished with a Schedule 40 PVC inlet hub, removable sealed pretreatment cover, submerged transfer ports, aerator mounting riser with removable vented cover, molded outlet coupling, Bio-Kinetic system mounting riser with removable sealed cover and Schedule 40 PVC outlet hub. Principal items of electro-mechanical equipment supplied with the Singulair Green wastewater treatment system shall be a UL Listed 1725 RPM mechanical aerator, UL Listed Service Pro electrical control center, Bio-Static sludge return and a Bio-Kinetic tertiary treatment device for flow equalization and final filtration of system effluent.

**SPECIFICATIONS**



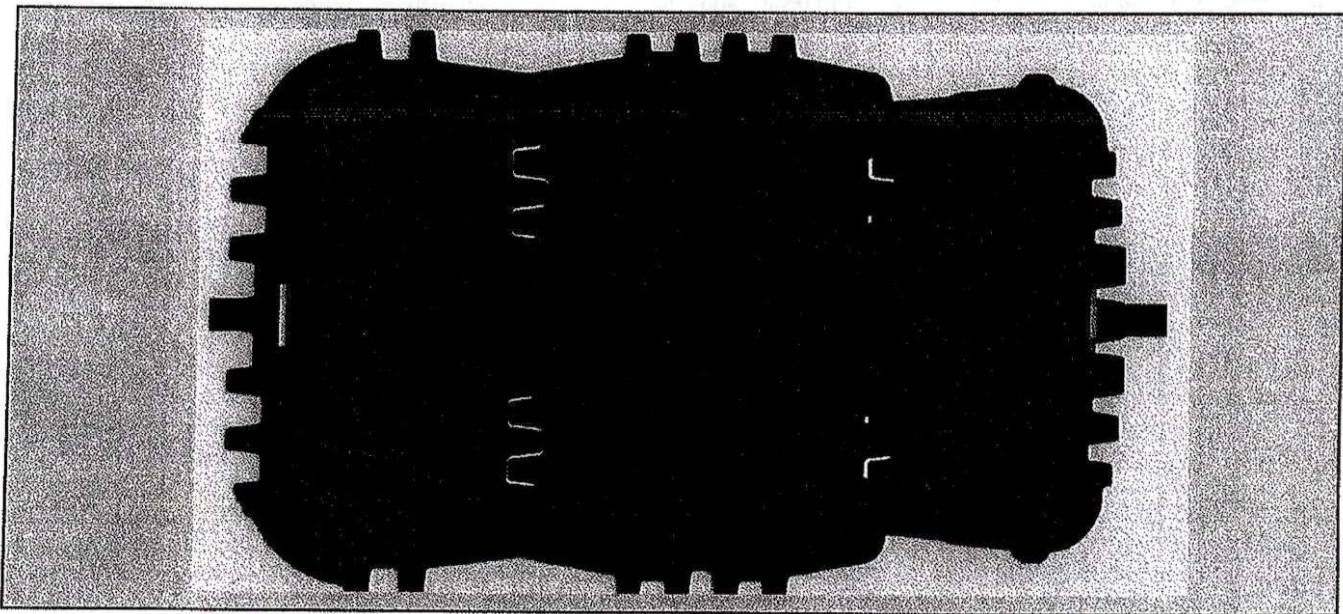
# SINGULAIR GREEN®

## OPERATING CONDITIONS

The Singulair Green system shall be certified to treat up to 600 GPD (gallons per day) of domestic wastewater. Total holding capacity of the system shall provide a minimum of 48 hour retention of the daily flow. The pretreatment chamber shall provide at least 18 hour retention, the extended aeration chamber shall provide at least 24 hour retention and the clarification chamber shall provide at least 6 hour retention. The non-mechanical flow equalization device shall increase each individual chamber and total system retention time in direct proportion to loading. Design of the system shall include a compartmented tank and a non-mechanical flow equalization device to insure successful treatment performance without upset even when the significant runoff period is six hours. Hydraulic design considerations of the system and flow equalization device shall be such that intermittent peak flow factors as high as four shall not upset hydraulic reliability within the system. Capability of the system to perform as outlined shall be certified by an independent testing laboratory and approved for use by the local governing regulatory agency.

## PRETREATMENT CHAMBER

The pretreatment chamber shall be an integral part of the wastewater treatment system. All domestic wastewater shall be preconditioned and flow equalized while passing through the pretreatment chamber prior to being introduced to the extended aeration chamber. The outlet of the pretreatment chamber shall be equipped with a discharge tee that extends vertically into the liquid so that only the preconditioned equalized flow from the center area of the chamber is displaced to the extended aeration chamber. The discharge tee and transfer port shall be of adequate size to handle a peak flow factor of four without restricting the outlet and disturbing hydraulic displacement to the extended aeration chamber. A removable inspection cover shall be incorporated into the top of the pretreatment chamber to allow tank and transfer tee inspection.



## AERATION CHAMBER

The extended aeration chamber shall provide in excess of 24 hour retention of the equalized daily flow. The chamber shall be of sufficient size to provide a minimum of 80 cubic feet of tank capacity per pound of applied BOD. The aeration chamber shall be an integral part of the system flow path and configured to insure effective mixing of microorganisms, wastewater and fresh air. No area of the chamber shall be isolated from process mixing, thereby eliminating dead or quiescent areas of the treatment chamber which are detrimental to the treatment process. Influent into the aeration chamber shall be preconditioned, equalized flow from the pretreatment chamber and settled solids via the Bio-Static sludge return.

## FINAL CLARIFICATION CHAMBER

The final clarification chamber shall consist of 5 functionally independent zones operating together to provide satisfactory settling and clarification of the equalized flow. An inlet zone shall be provided and shall dissipate transfer turbulence at the flow inlet of the clarification chamber. Its performance shall also eliminate turbulence in other zones of the clarifier. Liquid shall be hydraulically displaced from the inlet zone to the sludge return zone. Hydraulic currents shall sweep settled sludge from the hopped walls and return these solids via the inlet zone to the aeration chamber. As solids are removed, liquid is displaced to the hopper zone of the clarifier. In this zone, settling by gravity takes place. Three of the four sidewalls are slanted to form a hopper which directs all settled material back to the sludge return zone. Clarified liquid from the hopper zone shall be displaced into the final settling zone to provide additional clarification of the liquid. The liquid is displaced to the outlet zone for final filtration and discharge from the system. Non-mechanical equalization of the flow, through all 5 zones, shall provide optimal settling and clarification.

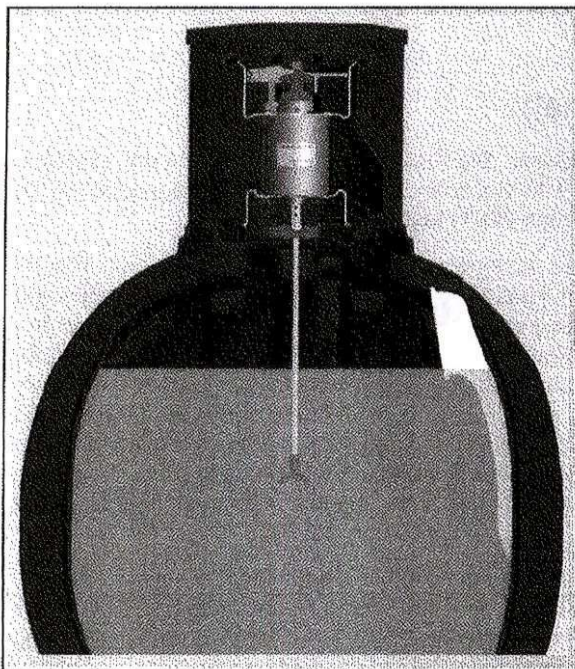


## BIO-STATIC® SLUDGE RETURN

A Bio-Static sludge return shall be mounted into the opening in the aeration/clarification chamber wall to provide positive return of settled solids. Aeration chamber hydraulic currents shall enter the sludge return and be directed through the Bio-Static device into the second zone of the clarification chamber. The Bio-Static sludge return shall accomplish resuspension and return of settled solids without disturbing the clarified liquid in the final settling zone and outlet zone.

## MECHANICAL AERATOR

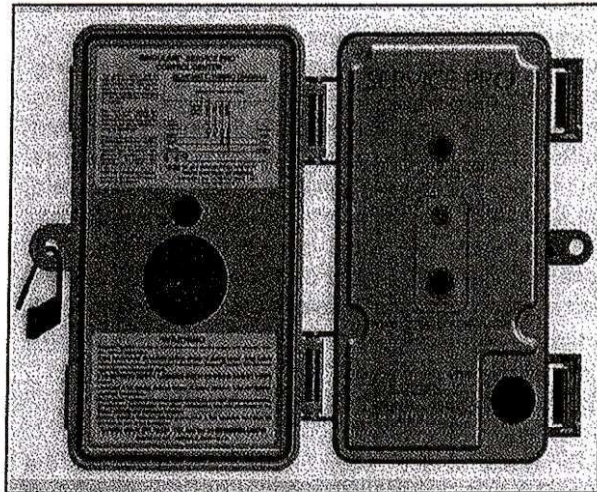
The Singulair aerator shall be installed in a rotationally molded, heavy duty, high density polyethylene aerator mounting riser above the aeration chamber. Fresh air shall be supplied through an injection molded, heavy duty, glass-filled polypropylene access cover above the aerator. The vented access cover shall be secured to the mounting riser with four fasteners. The aerator shall be UL Listed and include plated mounting brackets, NEMA 6 rated electrical connector, fractional horsepower motor, molded plastic lifting handle, molded plastic air intake screens, molded plastic foam restrictor, stainless steel aspirator shaft and molded glass-filled nylon aspirator tip. The motor shall contain precision manufactured o-ring type seals installed between the motor shell and the machined aluminum endbells to insure watertight integrity. Molded Viton elastomer shaft seals shall protect the bearings from contamination. Only the stainless steel aspirator shaft and glass-filled nylon aspirator tip shall be in contact with the liquid. There shall be no submerged electrical motors, bearings or fixed air piping in the aeration system. The Singulair aerator motor shall not exceed the motor nameplate rating when installed and operated as recommended. The fractional horsepower aerator motor shall be equipped with a foam restrictor to protect the motor against high water and foam. The motor shall be 4 pole, 1725 RPM, 115 volt, 60 hertz, single phase, ball bearing constructed with a 1.0 service factor. It shall draw 4.0 amps when operating at the rated nameplate voltage. Aerators without UL listing have not demonstrated compliance with international electrical standards for safety and reliability and shall not be considered for this application.



# BIO-KINETIC®

## SERVICE PRO® CONTROL CENTER

The Service Pro electrical control center shall control all aspects of treatment plant operation using a microprocessor based platform. The prewired control center shall contain nonvolatile memory to prevent the loss of programming in the event of a power failure. For protection of wiring and components, the electrical controls shall be mounted in an injection molded, lockable, corrosion proof, NEMA rated enclosure designed specifically for outdoor use. The enclosure shall be equipped with a tamper evident seal to discourage unauthorized access. The Service Pro control center shall be a UL Listed assembly and shall include a time clock, alarm light, audible alarm, reset button and power switch. The control center shall monitor all treatment system operating conditions including aerator over current, aerator under current and open motor circuit. In the event the control center detects one of these conditions, power to the aerator shall be interrupted, a diagnostic sequence shall begin and the visual alarm shall activate. After a programmed recovery interval, an automatic restart attempt shall be initiated. If normal aerator operation does not resume during 24 programmed recovery and restart cycles, the audible alarm shall activate.



## TIME CLOCK

The aerator run cycle shall be controlled by an adjustable, prewired time clock. The minimum setting shall not permit the aerator to be "off" for more than 30 minutes per hour. It shall be adjustable in 5 minute increments and designed such that any adjustment results in additional run time up to "continuous" operation (60 minutes per hour). The Service Pro TNT controls shall include a non-adjustable time clock. Use of a time clock can seriously affect system performance and operating cost. Systems that have not been performance certified at the minimum time clock setting by an independent testing laboratory shall not be considered for this application.

## SERVICE PRO® ADVANCED CONTROLS (Optional)

Advanced system control options shall be available for all Singulair Green Bio-Kinetic wastewater treatment systems. Service Pro control center options include the Service Pro control center with Monitoring, Compliance and Diagnostic (MCD) technology and the Service Pro control center with Total Nitrogen Treatment (TNT) technology.

The Service Pro control center with MCD technology shall be a UL Listed assembly and shall include a time clock, integral telemetry system, main alarm light, power light, phone light, aerator alarm light, three auxiliary alarm lights, reset button and power switch. The control center shall monitor all treatment system operating conditions including aerator over current, aerator under current and open motor circuit. In the event the control center detects one of these conditions, power to the aerator shall be interrupted, a diagnostic sequence shall begin and the visual alarm shall activate. After a programmed recovery interval, an automatic restart attempt shall be initiated. If normal aerator operation does not resume during 24 programmed recovery and restart cycles, the audible alarm shall activate and the telemetry system shall report the specific condition to the Service Pro monitoring center. In the event that any of the auxiliary inputs detect abnormal operation of the treatment system auxiliary equipment, the audible and visual alarms shall immediately activate and the telemetry system shall report the alarm condition to the monitoring center.

The Service Pro TNT control center shall provide the same Monitoring, Compliance and Diagnostic functions as the Service Pro control center with MCD technology. However, the Service Pro TNT control center shall include a non-adjustable time clock. The non-adjustable time clock shall create a 60 minute aeration cycle followed by a 60 minute anoxic cycle during which the aerator shall be off. This aeration cycle shall insure Total Nitrogen Treatment of the wastewater.

# Salcor 3G UV Disinfection Unit

NOTE: Not all dimensions to scale

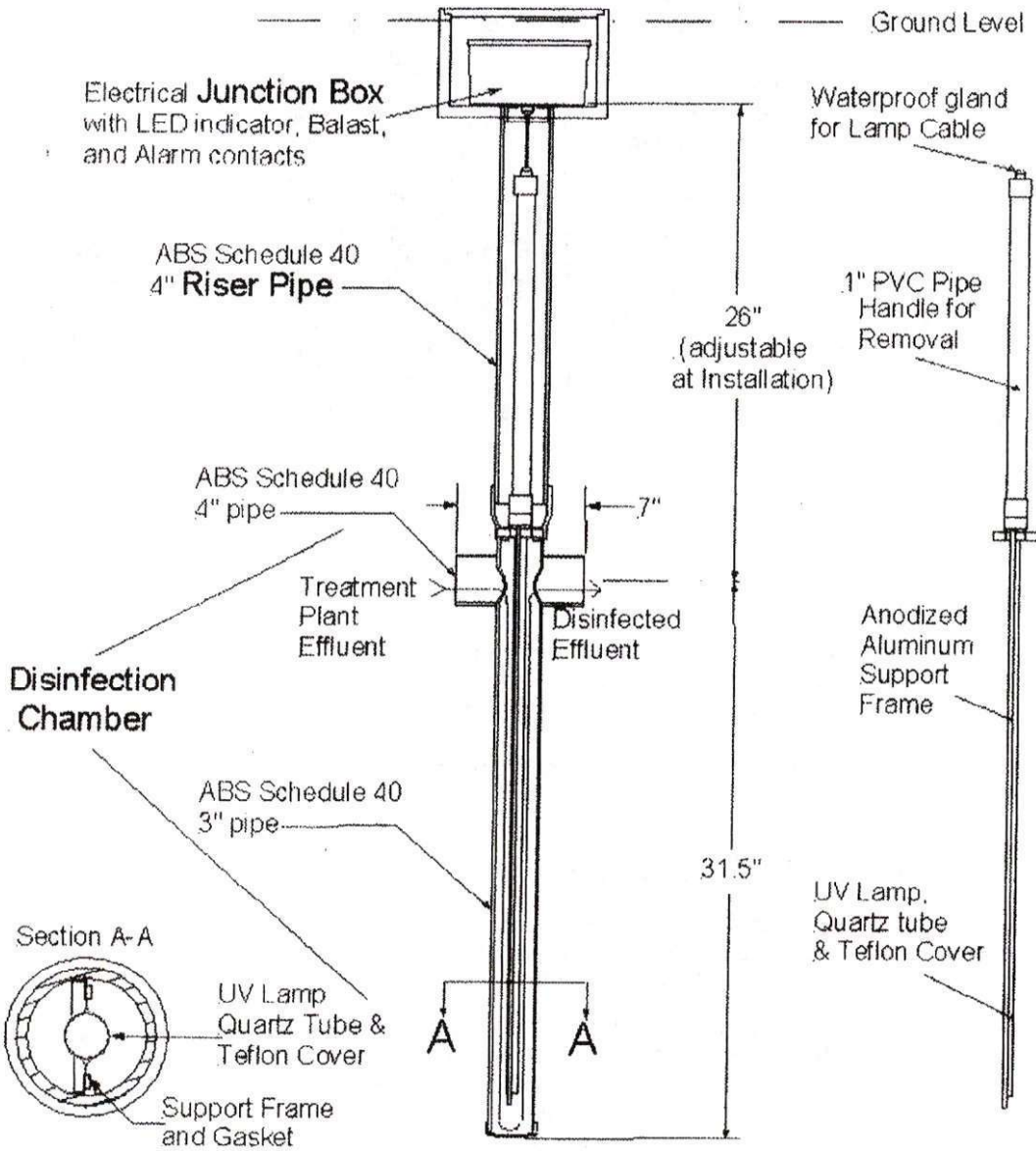


Figure 1

## In Ground Installation

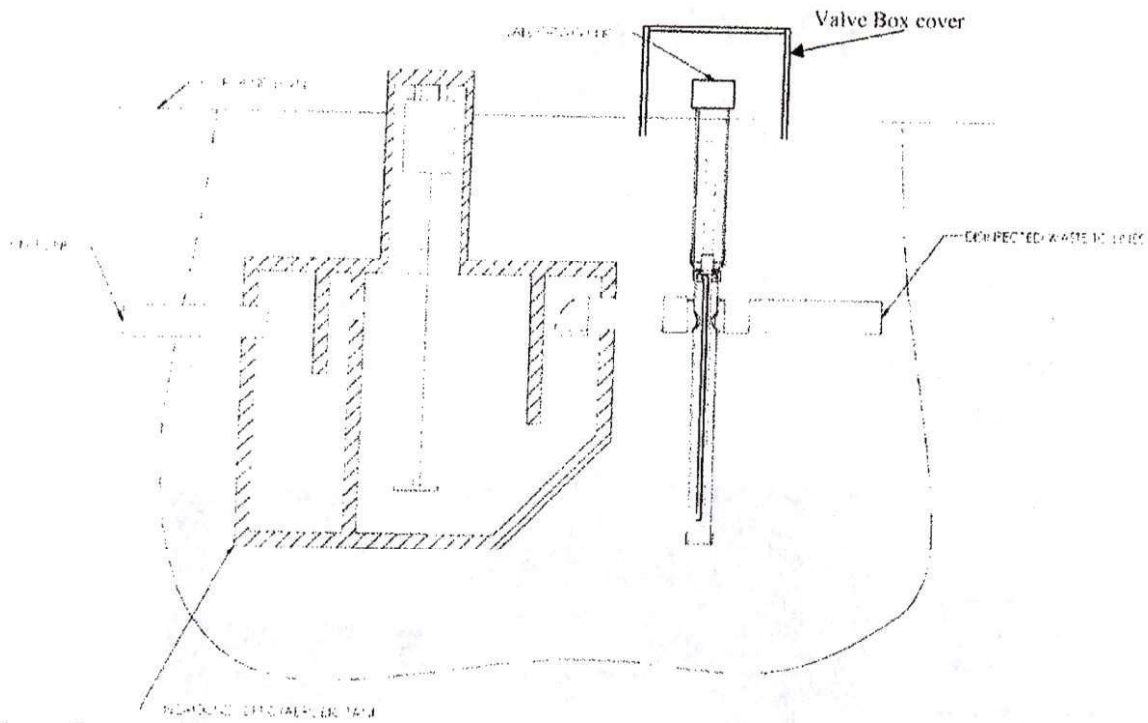


Figure 2

## In Tank Installation

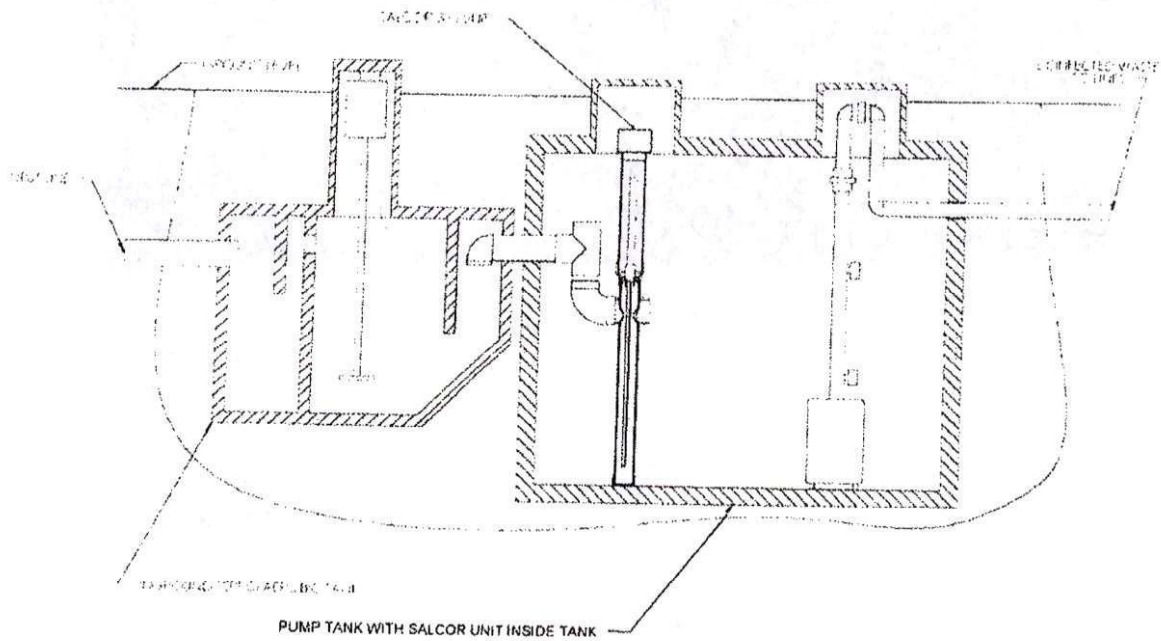


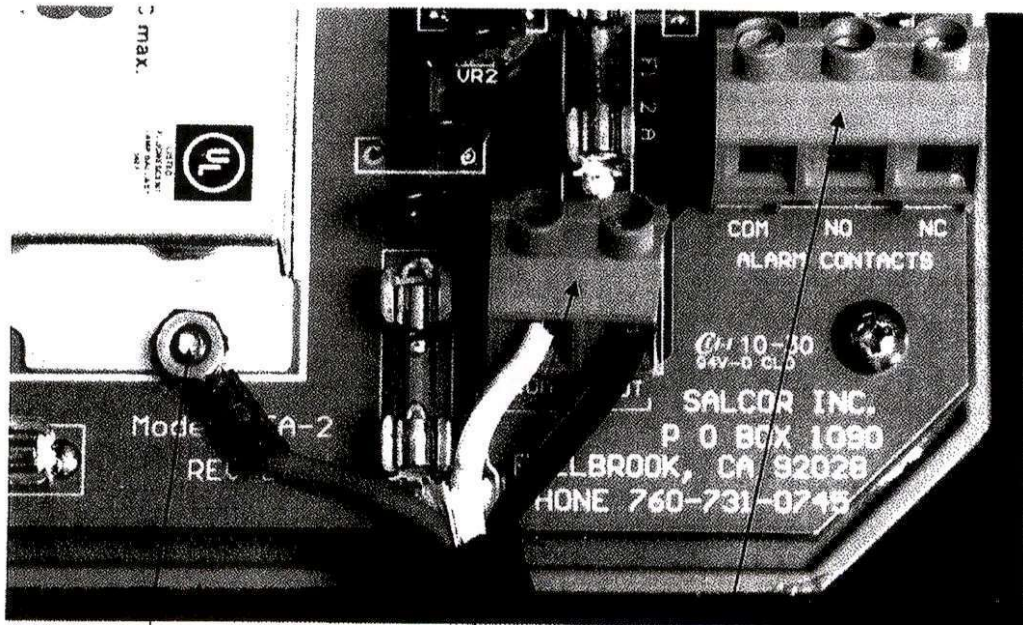
Figure 3

# SALCOR INC.

P.O Box 1090  
Fallbrook, Ca. 92088  
Telephone: 760 731 0745

## V. ELECTRICAL JUNCTION BOX LID

The Ballast and terminal strips are now mounted on the Alarm Board, mounted to the Junction Box Lid.



Grounding Post

Power Inlet Terminal

Alarm Wire terminal block.  
Connect alarm wires as needed  
for your specific circuit.  
N/O and N/C describes the contact  
configuration when the  
relay has **NO POWER** applied,  
or it is **NOT** energized.

Figure 4

bing maps

**A** Hot Springs County Health Department, 2204 E Sullenberger Ave,  
Malvern, AR 72104

21 min , 9.0 miles  
Light traffic  
Via US-270 W Bus, US-270 W

**B** 287 Riverpark Dr, Malvern, AR 72104

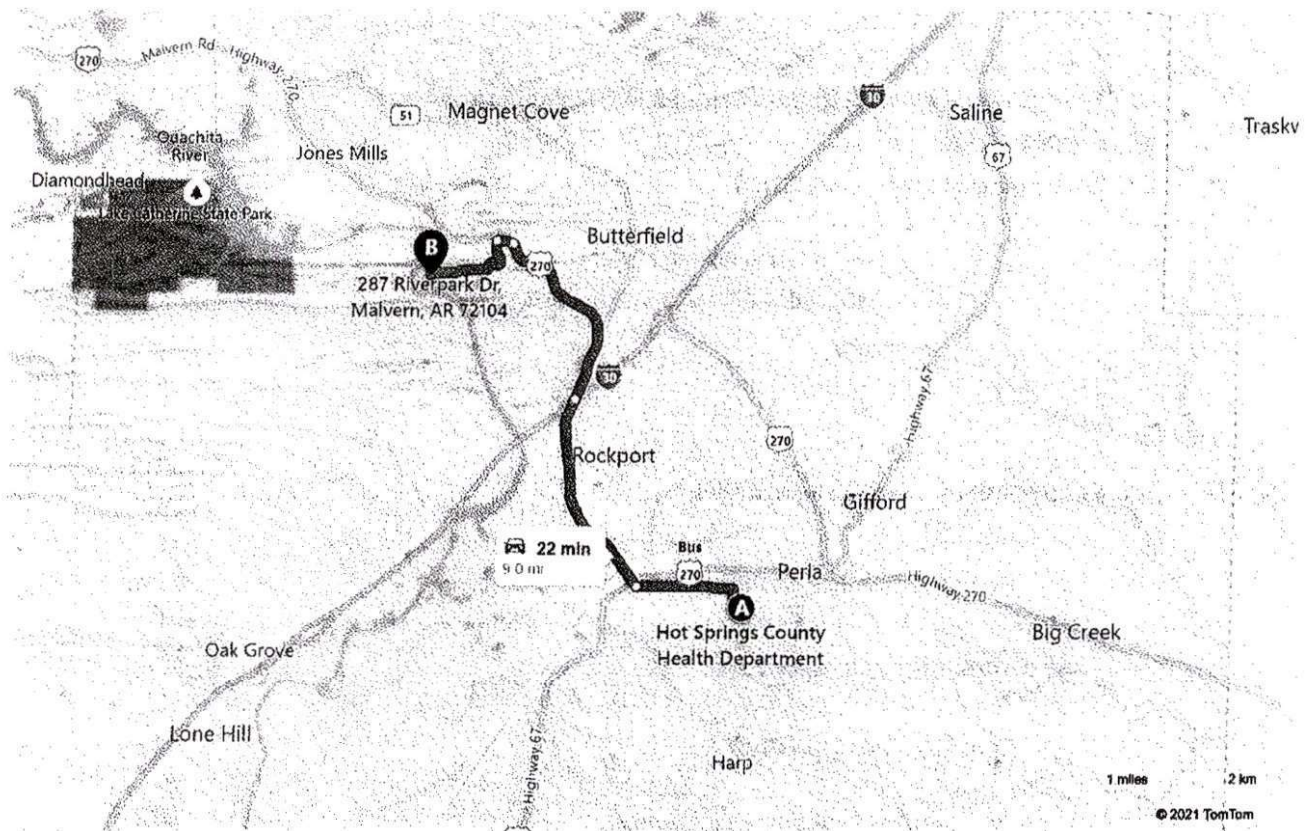
Call ahead to alert owner of arrival.  
Gate (092# will call owner to open gate)

**A** Hot Springs County Health Department

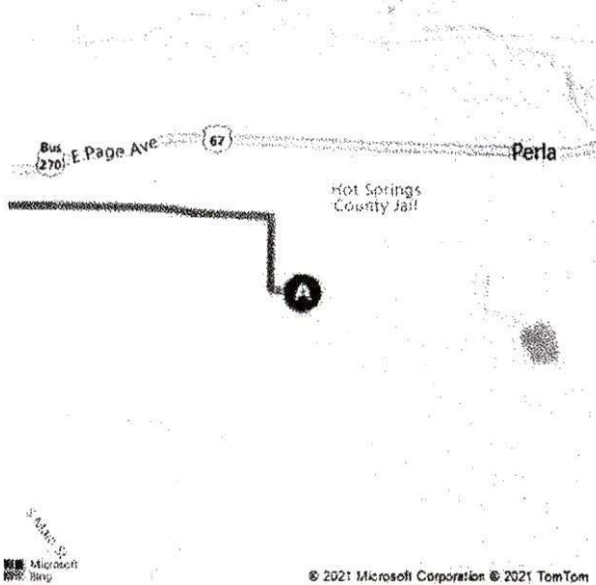
↑	1.	Head <b>west</b> on <b>E Sullenberger Ave</b> toward Linda Ln	0.1 mi
↗	2.	Turn <b>right</b> onto <b>Owen St</b>	0.3 mi
↖	3.	Turn <b>left</b> onto <b>Pine Bluff St</b>	1.3 mi
↗	4.	Turn <b>right</b> onto <b>AR-9 / S Main St</b>	397 ft
↑	5.	Keep <b>straight</b> to get onto <b>US-270 W Bus / AR-51 / S Main St</b> Pass Teeter Motor Company Used Car Division in 1.4 mi	2.8 mi
↑	6.	Continue on <b>US-270 W / AR-51 / Oliver Lancaster Blvd</b>	2.8 mi
↖	7.	Turn <b>left</b> onto <b>Riveroaks Rd</b>	0.2 mi
↖	8.	Turn <b>left</b> onto <b>Riverview Dr</b> • Private Road • Gated road	0.6 mi
↗	9.	Turn <b>right</b> onto <b>Riverpark Dr</b> • Private Road	0.8 mi
	10.	Arrive at <b>Riverpark Dr</b> The last intersection before your destination is Riverview Dr If you reach Waterfall Ln, you've gone too far	

**B** 287 Riverpark Dr, Malvern, AR 72104

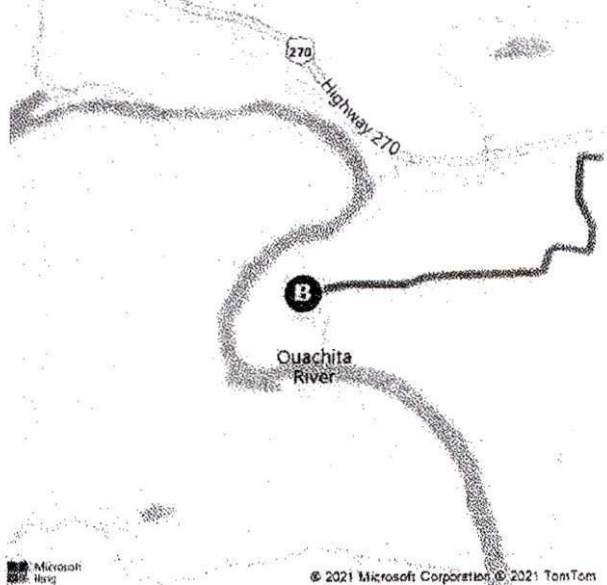
31 mins CLH



**A Hot Springs County Health Department, 2...**



**B 287 Riverpark Dr, Malvern, AR 72104**



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