ARKANSAS DEPARTMENT OF HEALTH

DIVISION OF ENVIRONMENTAL HEALTH

SEWAGE DISPOSAL SYSTEM APPLICATION, DRAWING AND REQUIREMENTS

NAME	NAME OF DR	COUNTY
Joseph & Amanda McWilliams	Kevin Castleberry	White

ADDRESS	TYPE OF SYSTEM
188 Robert Corder Rd, Griffithville	STD/Pump/capping fill

CHECKLIST	YES	NO	CHECKLIST	YES	NO
VICINITY MAP	/		SEWER STUBOUT DEPTH: TOP OR BOTTOM OF PIPE INDICATED ON PLANS AND ONSITE	/	
DRAWING TO SCALE 1"=20' OR 30'	/		CLEAN OUT(S) SHOWN	/	
NORTH INDICATED	/		PIPE SPECIFICATIONS- ALL PARTS OF SYSTEM	/	
DIMENSIONS SHOWN AND PROPERTY LINES DEFINED	/		ABSORPTION AREA CORRECT SIZE	/	
STRUCTURES SHOWN	/		ABSORPTION TRENCHES DEPTH/CONTOUR INDICATED	/	
DRIVEWAY SHOWN	/		SECONDARY AREA INDICATED AND SIZED	/	
WATER SUPPLY LINE OR WELL SHOWN	/		SOIL DETERMINATION IN SECONDARY SITE	/	
ADJOINING WELLS/SEPTIC SYSTEMS INDICATED	—		SOIL PROFILE FROM BORE	—	
ALL SEPTIC SYSTEM SETBACKS OBSERVED	/		PUMPED EFFLUENT SYSTEMS: PUMP SPECS INDICATED(HEAD, GPM, EFFLUENT GRADE, PUMP TANK SIZE, ETC.)	/	
ELEVATION SHOTS OR ROD READINGS FOR ALL PARTS OF SYSTEM	/		DIVERSION DEVICE: APPROVED TYPE AND PROPERLY LOCATED	/	
SEPTIC TANK: PROPER SIZE AND LOCATION	/		PRESITE CONDUCTED	/	
LID OF SEPTIC TANK: __ABOVE__LEVEL__BELOW GROUND	/		SYSTEM STAKED. STAKES IDENTIFIED	/	
UNUSUAL SOIL OR TOPOS SHOWN	—		LATERALS FLAGGED, BEGINNING AND END	/	
LOCATION OF TEST HOLES	/		TEST HOLES FLAGGED	/	
LOCATION OF SOIL BORING(s)	—		SOIL BORE(S) FLAGGED	—	

OBSERVATIONS AND OTHER FINDINGS

EHS SIGNATURE	DATE
#151	11/9/26

SITE EVALUATION FORM

Applicant Joseph & Amanda McWilliams Permit Application 28894080

Evaluator Maygun Butler #151 Date 11/10/26

PIT # OR LOCATION primary

DEPTH (inches)	MATRIX COLOR	REDOX COLOR	SOIL TEXTURE	SOIL STRUCTURE
15				
15				
22				

Depth to Seasonal Water Table
Brief SWT 15
Moderate SWT 15 (Adjusted) 22
Long SWT 22 (Adjusted) 26
Depth to Bedrock /

Hydraulic Conductivity
High ____ to ____ inches
Moderate ____ to ____ inches
Low ____ to ____ inches
Percent slope ____

0.32
w/CF 14" settled

PIT# OR LOCATION Secondary

DEPTH (inches)	MATRIX COLOR	REDOX COLOR	SOIL TEXTURE	SOIL STRUCTURE
surf.				
		ATU		

Depth to Seasonal Water Table
Brief SWT surf
Moderate SWT surf (Adjusted) /
Long SWT / (Adjusted) /
Depth to Bedrock /

Hydraulic Conductivity
High ____ to ____ inches
Moderate ____ to ____ inches
Low ____ to ____ inches
Percent slope ____

ATU
Surf. Dis.

NOTES:

EHP-85 (2/11)

(Call Owner for access to property)

File Copy

Arkansas Department of Health
Environmental Health Protection

Receipt Number
288941080

Individual Onsite Wastewater System Permit Application

Permit Type ☒ New Installation ☐ Alteration / Repair

DR Environmental ID #

	7	6	0	2	1	3	2	0	9	0

Fee Schedule for Structures		√
Structures 1500 sq ft or less	$ 30.00	☐
Structures more than 1500 sq ft and up to 2000 sq ft	$ 45.00	☐
Structures more than 2000 sq ft and up to 3000 sq ft	$ 90.00	☒
Structures more than 3000 sq ft and up to 4000 sq ft	$120.00	☐
Structures more than 4000 sq ft	$150.00	☐
Alteration and Repair	$ 30.00	☐

Part 1 Application

Treatment Type (check one)
- ☒ STD = Standard Septic Tank
- ☐ ISF = Intermittent Sand Filter
- ☐ PMF = Proprietary Media Filter
- ☐ OTH = Other (Describe)
- ☐ ATU = Aerobic Treatment Plant
- ☐ RSF = Re-circulating Sand Filter
- ☐ RGF = Re-circulating Gravel Filter
- ☐ HLD = Holding Tank

Disposal Method (check one)
- ☐ STD = Standard Absorption Field
- ☐ SUR = Surface Discharge
- ☒ CPF = Capping Fill
- ☐ OTH = Other
- ☐ LPD = Low Pressure Distribution
- ☐ HLD = Holding Tank
- ☐ SRL = Serial Distribution
- ☐ DRP = Drip Irrigation

1. Owner's/Applicant's Name
JOSEPH & AMANDA McWILLIAMS

2. Phone Number
501-941-8097 JOSEPH 501-941-9311 AMANDA

3. Mailing Address
JOSEPHMCWILLIAMS@[illegible].COM (Email)

4. County
WHITE

5. Address of Proposed System (If a 911 address is not available, attach detailed directions or map)
188 ROBERT CORDER RD. GRIFFITHVILLE, AR. 72060

6. Subdivision Name	7. Approval Date	8. Date Recorded	9. Lot Number
NONE	NONE	NONE	NONE
10. Lot Dimensions	**11. Total Area (Acres)**	**12. # Bedrooms # People**	**13. Daily Flow (GPD)**
SEE LEGAL	118	3	370

14. Brief Legal Description of Property (Attach a separate sheet of paper, if necessary)
SECTION- 29 TOWNSHIP - 6 -S RANGE- 6-W

15. Water Supply (Specify supplier, if Public Water)
WHITE CO

16. GPS Coordinates
35.11361, -91.66534

17. Loading Rates	(gpd/ft²)	18. System Specifications					
Primary Area	.32	a. Size of Septic Tank	1000	gal	f. Trench Depth	18	inches
Secondary Area	N/A	b. Size of Dose Tank	250	gal	g. Trench Spacing	10	feet
Percolation Test	(min/in)	c. Absorption Area	1200	ft²	h. Trench Media (List Below)		i.Trench Width
Primary Area Avg	X	d. Number of Field Lines	6		EZ FLOW 1201 OR CHAMBERS	18	in
Secondary Area	X	e. Length of Field Lines	100	ft	4" PERF W/ ROCK	24	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 _____ 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.

Designated Representative Signature | D.R. Title | Soil Certified ☒ Yes ☐ No

KEVIN CASTLEBERRY (Print Name) | 11/8/2026 (Date) | 870-692-5742 (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.

Environmental Specialist Signature | 151 (EHS Number) | 11/10/26 (Date)

Individual Onsite Wastewater System Permit Application

Receipt Number

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^2)
X	15	15	22	15+7=22	19+7=26	M-48	.32 W/14" SETTLED CAP
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^2)
X	0	0	N/A	0	n/a	M-48	N/A; ATU SURF. DISCH.

24. Seasonal Water Table (SWT) Classes Detail

Primary Area			List Redoximorphic Features and/or Clay Content Restrictions
Brief	15	in	2.5 YR 5/8
Moderate	22	in	10YR 6/2
Long	X	in	10 YR 6/2 > 50%
Secondary Area			List Redoximorphic Features and/or Clay Content Restrictions
Brief	0	in	2.5 YR 5/8
Moderate	0	in	10YR 6/2
Long	N/A	in	10 YR 6/2 >50%

Comments

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 ☐ Environmental Health Specialist ☐ Designated Representative
(check one or installer signs System Installation Verification below)

Signature _____ EHS / License Number _____ Date _____

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

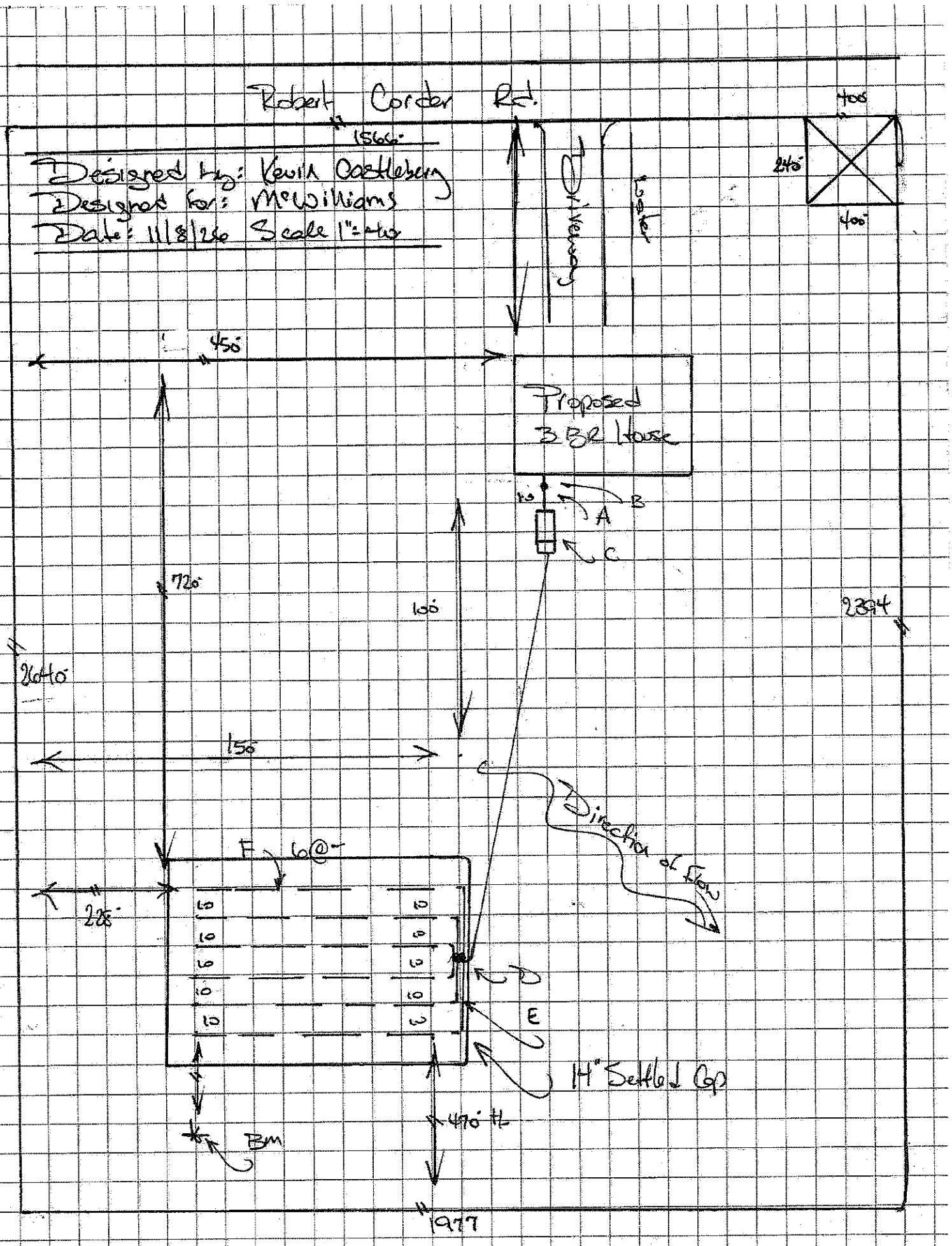
The information contained in Part 1 and 2 of this form has been reviewed and found to meet the requirements of the Arkansas Department of Health. THE PERMIT FOR OPERATION of this system is hereby issued.

Environmental Health Specialist _____ _____ _____
Signature EHS Number Date

Comments

Site Revalidation conducted by ☐ Environmental Health Specialist ☐ Designated Representative
(check one)

Signature _____ EHS / License Number _____ Date _____


Robert Corder Rd.
1566'
Designed by: Kevin Castleberry
Designed for: McWilliams
Date: 11/8/20 Scale 1"=40'
400'
240'
400'
Overhead
Line
450'
Proposed
3 BR House
20'
B
A
C
720'
100'
2394'
2640'
150'
Direction of Flow
F 6@-
225'
10
10
6
10
10
10
10
10
10
10
10
3
E
14" Settled Cp
470' ±
BM
1977'

APPLICANT:	McWILLIAMS

ELEVATIONS

	GROUND ELEV.	FLOW LINE ELEV.
BENCHMARK:	5.5	
STUB OUT:	4.5	5.5
CLEAN OUT:	4.5	5.5
TANK IN:	4.5	5.7
TANK OUT:	4.5	5.10
PUMP INTAKE:	4.5	8.10
PRES. MAN.	5.3	5.3

LINE #	BEG	MID	END	TRENCH BOTTOM	TRENCH DEPTH	LINE LENGTH
#1	5.5	5.5	5.5	6.11	12	100
#2	5.4	5.4	5.4	6.10	12	100
#3	5.3	5.3	5.3	6.9	12	100
#4	5.3	5.3	5.3	6.9	12	100
#5	5.4	5.4	5.4	6.10	12	100
#6	5.5	5.5	5.5	6.11	12	100
#7						
#8						
#9						
A1	POD	5.0				
A2						
A3						
A4						

LEGEND:

(A) 4" SCH. 40 PIPE
(B) 4" CLEAN OUT AND PLUG
(C) SEPTIC TANK
(D) PRESSURE MANIFOLD
(E) 4" SDR 35
(F) FIELD LINE LATERALS
(G) PIT #1
(H) PIT #2
(I) 2" SCH. 40
(J) 1½" SCH. 40
(K) ¾" SCH 40

NOTES:

SEPTIC TANK

1. INSTALL *1000/250-GALLON* TANK. (BOTTOM OF HOLE MUST BE FIRM AND GRADED LEVEL)
2. SEPTIC TANK MUST HAVE MINIMUM 16" DIAMETER RISERS OVER THE INLET AND OUTLET BAFFLES AND MINIMUM 20" DIAMETER RISER OVER THE PUMP CHAMBER. EXTEND ALL RISERS ABOVE NATURAL GROUND ELEVATION. APPLY ¼" BUTYL SEALANT BETWEEN ALL RISER EXTENSIONS.
3. INSTALL OUTLET FILTER IN THE OUTLET BAFFLE OF THE SEPTIC TANK. (SEE SPEC SHEET).

PUMP/ALARM

1. INSTALL ZOELLER *BN 152* PUMP, SET ON TWO 8X8X16 CONCRETE BLOCKS.
2. PLUMB PUMP WITH 1 ½" SCH 40 PIPE THROUGH THE RISER USING A 1 ½" POLYLOK GROMMET. (DO NOT USE THE BOOT SEAL CAST INTO TANK, UNLESS BOOT IS DESIGNED TO FIT 1 ½" PIPE)
3. PLUMBING SHOULD INCLUDE:
    A. 1 ½" CHECK VALVE
    B. 1 ½" UNION
    C. 1 ½" BALL VALVE
4. SET PUMP FLOAT SWITCH WITH *3.5"* TETHER LENGTH. THIS WILL PUMP APPROXIMATELY *50* GALLONS PER DOSE. PUMP SHOULD STAY SUBMERGED IN WATER WHEN SWITCH IS IN OFF POSITION.
5. INSTALL SPI 508137 CONTROL PANEL.
6. ALARM FLOAT SHOULD BE POSITIONED ABOVE THE ON POSITION OF THE PUMP FLOAT. TETHER ON ALARM FLOAT SHOULD BE POSITIONED SO THE ALARM SOUNDS BEFORE THE WATER LEVEL IN THE PUMP CHAMBER RISES INTO THE OUTLET PIPE OF THE SEPTIC TANK.
7. PUMP AND ALARM MUST BE ON SEPARATE BREAKERS.
8. ALL ELECTRICAL CONNECTIONS SHOULD BE MADE IN WATERPROOF SPLICE BOX WITH CORD GRIPS. (SEE SPEC SHEET)
9. USE PIPE SEAL/GROMMET FOR ELECTRICAL CONDUIT. CONDUIT SHOULD EXIT THROUGH RISER.

ABSORPTION AREA:

1. INSTALL 1 ½" X ½" X ¾" PRESSURE MANIFOLD WITH ½" UNIONS AND 24" OF ¾" SPA TUBING ON EACH LINE. CONTINUE WITH RIGID ¾" SCH 40 TO THE BEGINNING OF EACH LINE. INSTALL PLASTIC ORIFICE DISK IN EACH UNION AS SPECIFIED ON SPIDER VALVE SIZING SHEET. COVER MANIFOLD WITH VALVE BOX, OR RISER EXTENSION AND LID.
2. FIELD LINES CONSIST OF *(6-100)* LINES ON *10'* CENTERS, OR AS MARKED WITH 12" DEEP TRENCHES.
3. INSTALL 14" SETTLED CAP AND FILL. THIS WILL TAKE APPROXIMATELY 440 YARDS OF SANDY LOAM. EXTEND CAP 10' FROM THE EDGE OF ALL LINES, THEN TAPER TO NOTHING.
4. INSTALLER MAY USE TRENCH MEDIA LISTED ON EHP-19 (18H). SEE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

CLARUS ENVIRONMENTAL

Zoeller Company

ZOELLER PUMP COMPANY

System Head Curve and Pump Selection Tool

Static Head Information

Static Head - elevation difference from low water to outfall	5.0 feet
System high point above outfall?	No

Friction Head Information

Pipe

How many different pipes in the system (not counting laterals)?	1	
Pipe 1 Length	750 feet	
Pipe 1 Size	2 inches	
Pipe 1 Class	SCH 40	

Pressurized Laterals?	No

Fittings & Discharge Assemblies

Type	Size	Quantity	Flow
90 Elbow	1 1/2 inches	3	100 %
Check Valve	1 1/2 inches	1	100 %
Discharge Assembly	2 inches		100 %

Special Friction Considerations

Weep Hole	Yes	1/8 "
Add-In Friction	15 % of Pipe Loss	
Automatic Multizone Valve?	Yes	100 % Total Flow
Pressure Filter?	No	

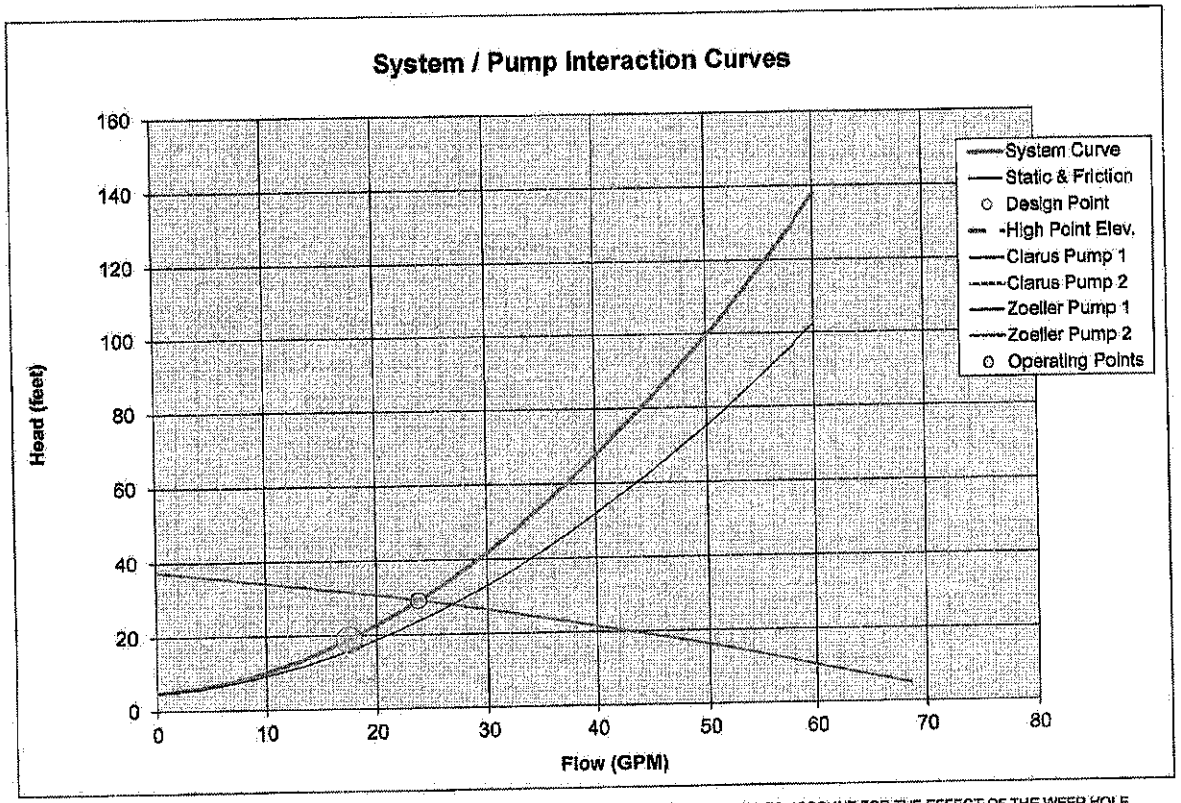
Operating Head Information

System Type	Spider Valve	
Required Pressure	3. feet	
Spider Valve Orifice Sizes (Data originates from Spider Valve Sizing Tab)	3/8 "	3/8 "
	3/8 "	3/8 "
	3/8 "	3/8 "

Factors and Coefficients

Hazen-Williams C Factor	130
Discharge Coefficient (Cd)	0.61
Lateral Design Mode	Off

System / Pump Interaction Curves



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

Pump Selection	60 Hz	Frequency	Operating Points
Clarus Environmental Pumps			
Clarus Pump 1			
Clarus Pump 2			
Zoeller Pump Company Pumps			
Zoeller Pump 1	152, 0.4hp, 60Hz		25.0 GPM @ 29.2'
Zoeller Pump 2			

Design Point	17.5 GPM @ 18.9 ' TDH

Curve Zoom Range	60 GPM

Project Data		Notes:
Project Name:	510	
Project Address		
Contact Info:		

Version 4.51

CLARUS ENVIRONMENTAL

Zoeller Company

Spider Valve Sizing Tool

1-877-244-9340

Number of Outlets	6
Distal Pressure	3 ft
Maximum Orifice	3/8 "

Lateral Line #1	Length	100 ft	Orifice Size	0.369 "	Drill Size	3/8 "
Lateral Line #2	Length	100 ft	Orifice Size	0.369 "	Drill Size	3/8 "
Lateral Line #3	Length	100 ft	Orifice Size	0.369 "	Drill Size	3/8 "
Lateral Line #4	Length	100 ft	Orifice Size	0.369 "	Drill Size	3/8 "
Lateral Line #5	Length	100 ft	Orifice Size	0.369 "	Drill Size	3/8 "
Lateral Line #6	Length	100 ft	Orifice Size	0.369 "	Drill Size	3/8 "

Total Flow 17.51 GPM

Project Data		Notes:
Project Name:	McWilliams	
Project Address		
Contact Info:		

The tools and information contained herein are made available for your use. Clarus Environmental and Zoeller Company believe this information to be correct and accurate at the time of issue. However, Clarus Environmental and Zoeller Company assume no liability, expressed or implied, resulting from the access and use of this information. It is solely the responsibility of the user to verify that the information is correct and accurate for the required purposes. Use of this program implies aceptance of, and agreement with, these responsibilities.

Version 4.51

Parcel: 001-03399-000
As of: 11/4/2026 5:39:18 PM

White County Report

Property Owner

Name: MCWILLIAMS, JERRY JR & MELISSA
Mailing Address: 188 ROBERT CORDER RD
GRIFFITHVILLE, AR 72060-
Type: (AI) Agri Improved
Tax District: (RV) Riverview SD
Millage Rate: 40.10

Property Information

Physical Address: 188 ROBERT CORDER RD
Subdivision: 29-06-06 RURAL METES & BOUNDS
Block/Lot: N/A / N/A
S-T-R: 29-06-06
Size (Acres): 118.00
Legal: N 3/4 SE LESS 2 AC SE/C

Market and Assessed Values

	Estimated Market Value	Full Assessed (20% Market Value)	Taxable Value
Land	33,385	6,677	6,677
Building	86,975	17,395	17,395
Totals	120,360	24,072	24,072

Taxes

Estimated Taxes: 965
Homestead Credit: 675 Note: Tax amounts are estimates only. Contact the county/parish tax collector for exact amounts.

Land

Land Use	Size	Units
TIMBER 04	59.43	ACRES
TIMBER 02	53.5	ACRES
CROP 04	1.04	ACRES
CROP 02	0.03	ACRES
RURAL6	1	ACRES
RURAL6	3	ACRES
Total	**118.00**	

Deed Transfers Document Images brought to you by your County Circuit Clerk, Sara Brown-Carlton.

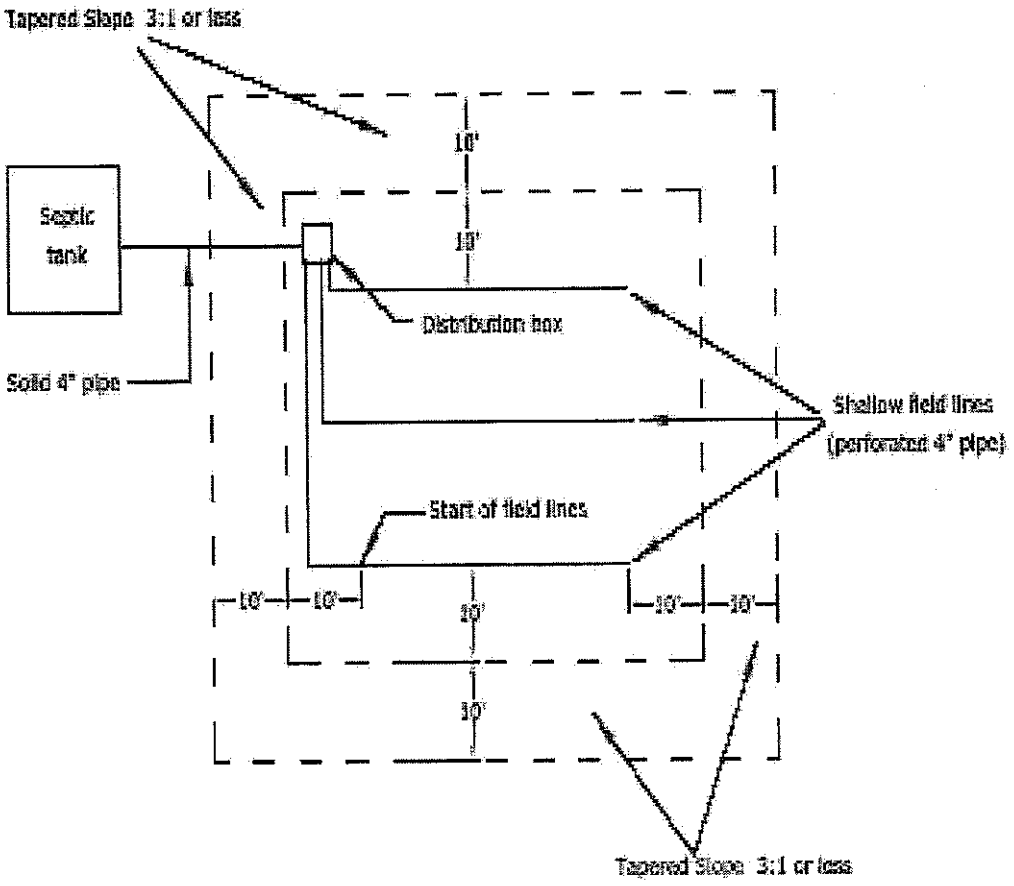
View Image	Deed Date	File Date	Book	Page	Deed Type	Stamps	Est. Sale	Grantee	Code	Type
	12/3/2025	12/3/2025	2025	17244	Warr. Deed	1402.50	$425,000	MCWILLIAMS, JERRY JR & MELISSA	N/A	N/A
	12/1/2020	12/1/2020	2020	17650*	Warr. Deed	1155.00	$350,000	COUGHLIN & LAMB	N/A	N/A
N/A	2/7/2002	2/7/2002	2002	01483*	Warr. Deed	0.00	$0	CORDER, ROBERT DAVID & NELL R	N/A	N/A
N/A	9/5/1971	9/5/1971	339	027*	Warr. Deed	0.00	$0	CORDER, ROBERT DAVID	N/A	N/A

Residential Card 1 Details

Occupancy	Story	Construction	Total Liv	Grade	Age	Year Built	Condition	Beds
Single Family	ONE	N/A	1288	5+10	26	1967	N/A	N/A

Fig. 4

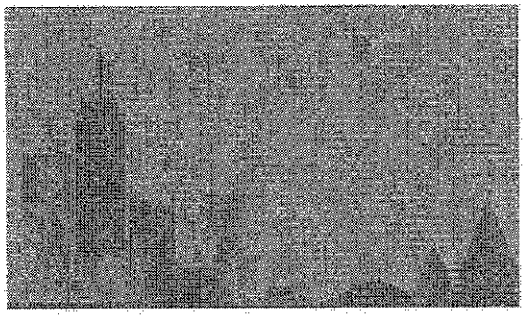
Capping Fill System - Top View
(Less Than 6% Slope)



Google Maps 35°06'47.8"N 91°39'51.5"W



Imagery ©2026 Airbus, Maxar Technologies, Map data ©2026 Google 200 ft



35°06'47.8"N 91°39'51.5"W

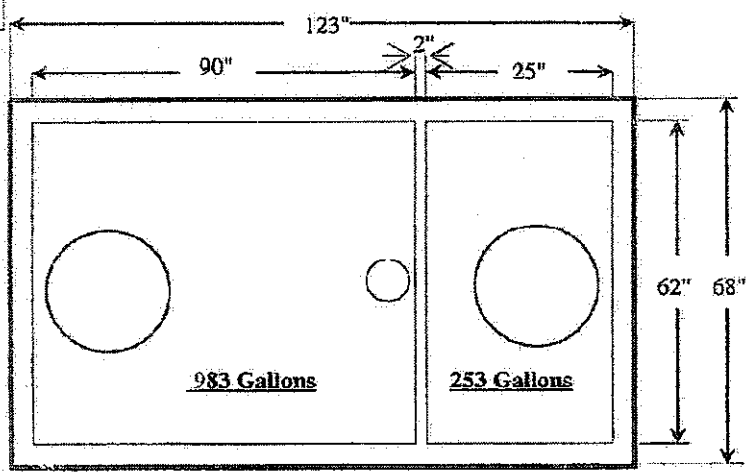
Directions Save Nearby Send to phone Share

487P+874 Griffithville, Arkansas

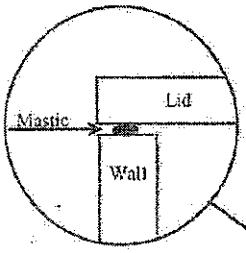
1000 – Gallon Single Compartment W/250 Pump Tank

TOP VIEW

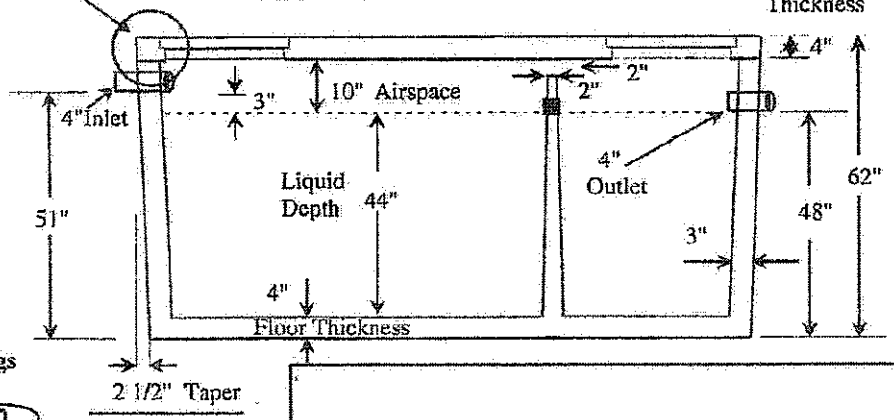
Drawings Not To Scale



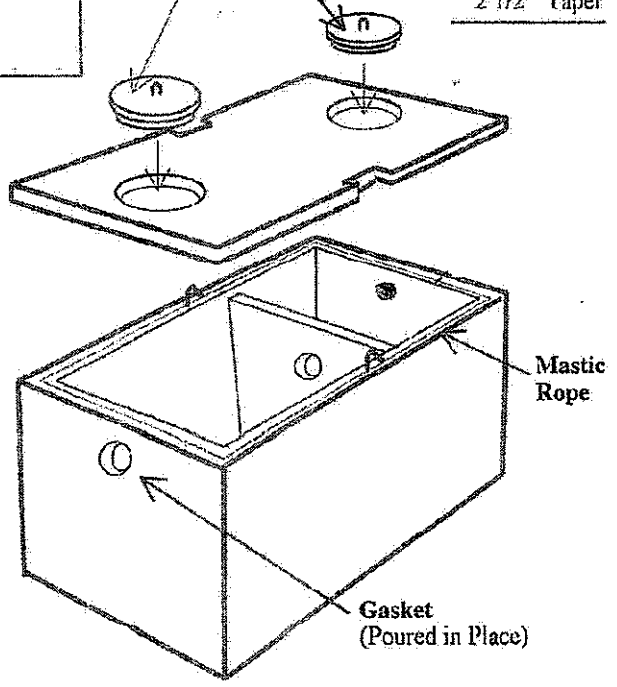
Enlarged Detail



SIDE VIEW



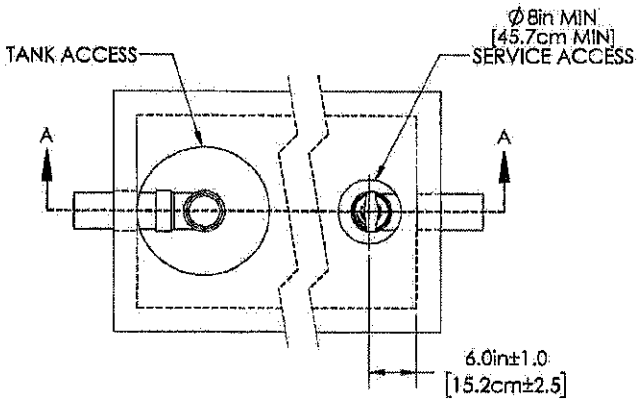
Manhole Lids/Openings

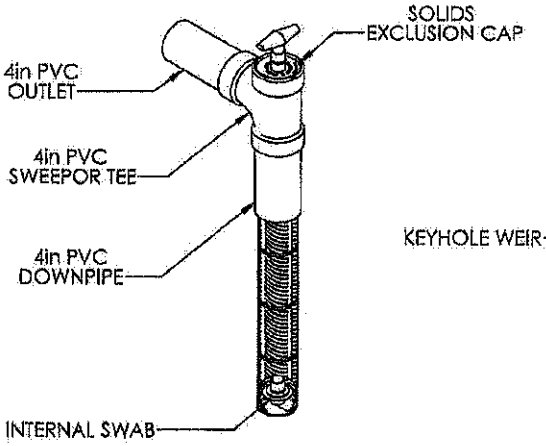


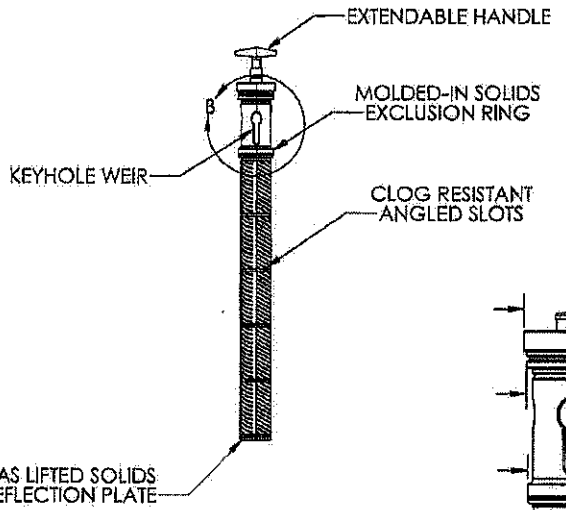
WHITTEN CONCRETE CO.
2703 W. 2nd AVE.
PINE BLUFF, AR. 71601
PHONE: 870-534-6901
FAX: 870-534-6902

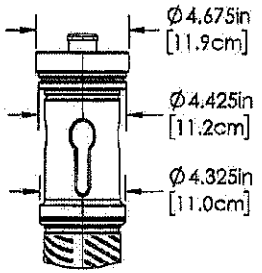
1000 - Single Compartment W/250 Pump Tank
Drawing #: DZ-2
Drawing by: SMR **Date: 1/19/2011**

REVISONS			
REV.	DESCRIPTION	DATE	REV BY
A	INITIAL RELEASE	6/17/2014	CTC
B	UPDATED TO CURRENT STANDARDS	4/27/2021	DFB

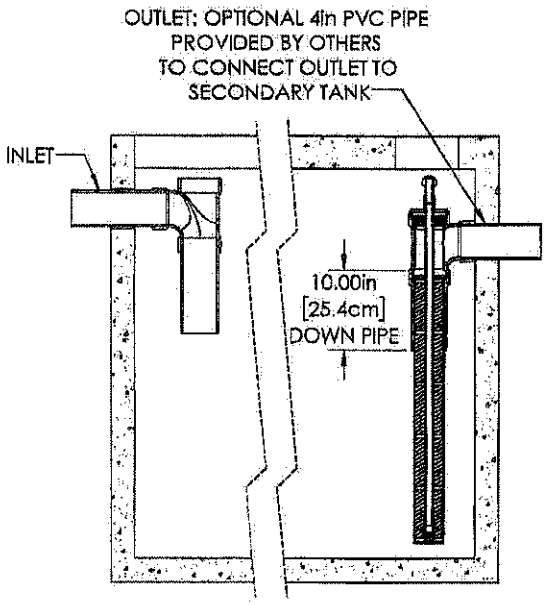




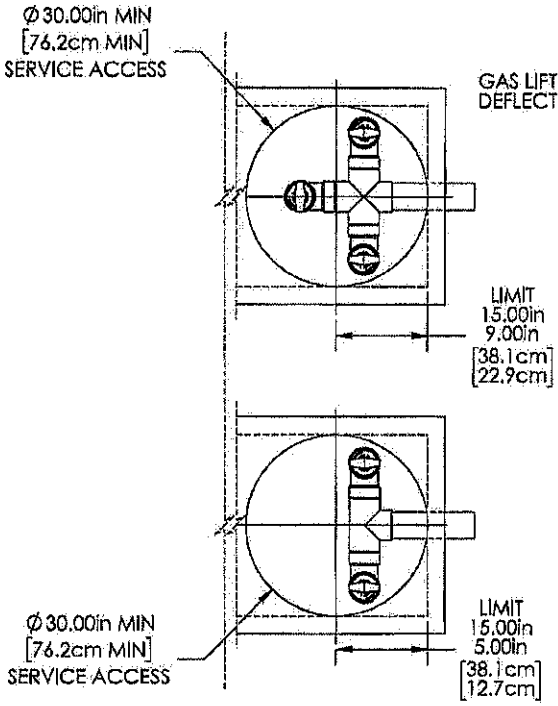




DETAIL B
SCALE 1 : 6



SECTION A-A
SCALE 1 : 15



NOTES:

1. SNT 416 IS A 1/16" [1.6MM] EFFLUENT SCREEN CAPABLE OF SCREENING UP TO 1,000 GPD [3.8 CUBIC METERS PER DAY].
2. SNT 418 IS A 1/8" [3.2 MM] EFFLUENT SCREEN CAPABLE OF SCREENING UP TO 2,000 GPD [7.6 CUBIC METERS PER DAY].
3. DOWN PIPE, OUTLET PIPE, AND TEE OR SWEEP NOT INCLUDED.
4. ALL APPURTENANCES TO SANITEE® (E.G. SEPTIC TANK, ACCESS RISERS, ETC.) MUST CONFORM TO ALL APPLICABLE CODES.

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BIO-MICROBICS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BIO-MICROBICS, INC. IS PROHIBITED.
DO NOT SCALE DRAWING

SHEET 1 OF 1

SCALE: N/A SIZE: B

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE AS FOLLOWS
X° ±1°
.X ± .50
.XX ± .25

DRAWN BY: DFB
DATE: 4/27/2021
APPROVED BY: MSH
APPROVED BY DATE: 4/27/2021

BIO MICROBICS
BETTER WATER, BETTER WORLD

DESCRIPTION: 4in SaniTEE®

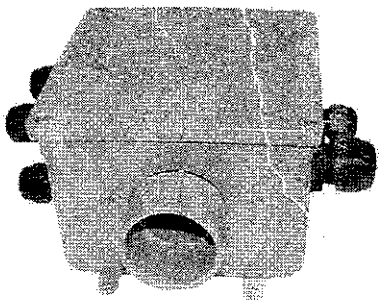
PART NUMBER: SaniTEE® 416 & 418

REV: B

Nema-4X Junction-boxes

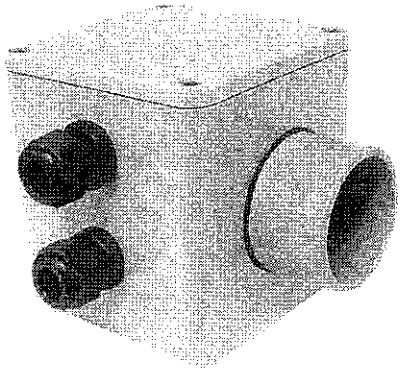
Economy Junction Box (Field Assembled)

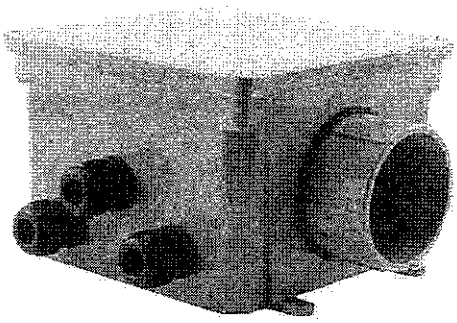
PVC plastic box with removable cover for use in sewage, effluent, dewatering, or corrosive environments. Box is 4" x 4"x 2" (10 x 10 x 5 cm) and is field-drilled for maximum flexibility in each installation.



Sewage/Waste Junction Boxes

NEMA-4X Junction Boxes are electrical enclosures that are watertight, dust-tight, and corrosion resistant. Boxes are completely assembled with cord seals and terminal strip for easy field wiring.





Deluxe Junction Box(Factory Assembled)

High-impact, corrosion-resistant, weatherproof thermoplastic enclosure with flexible PVC gasket and brass screws. Preassembled at the factory for convenience and ease of installation.

Qwik- Box
Pump Control and Alarm

The Qwik-Box is a junction box designed for easy hookup of pumps and alarm systems. It is used in septic effluent, sewage, or dewatering applications, and requires a connection outside the building or residence. The Qwik-Box eliminates the need for junction wiring boxes inside sewage and septic tanks, and consists of UL listed components.

SPECIFICATIONS:

- No need to cut off plugs
- Sealed watertight enclosure
- Available in 115 Volt or 230 Volt design
- Corrosion-resistant PVC construction
- Easy hookup of indoor alarm with terminal strip exposed for low voltage wiring
- Rated for NEMA 4X
- Water-tight rubber cord seal for pump and switch cables
- Optional indoor tank alert alarm with silence switch and LED indicator
- Installation and wiring instructions included
- Meets NEC requirements for a disconnect

See FM1420 for further information.

Starter Kits

A starter kit is required for all single phase model 611, 621, 631, 641, and 651 pumps. A starter kit consists of the single phase capacitors and relay required to run the pump. These components are shipped loose and are installed into the pump's control panel.

Certified to CSA Standard 227975 | Tested to UL Standard UL778.

© All rights reserved.

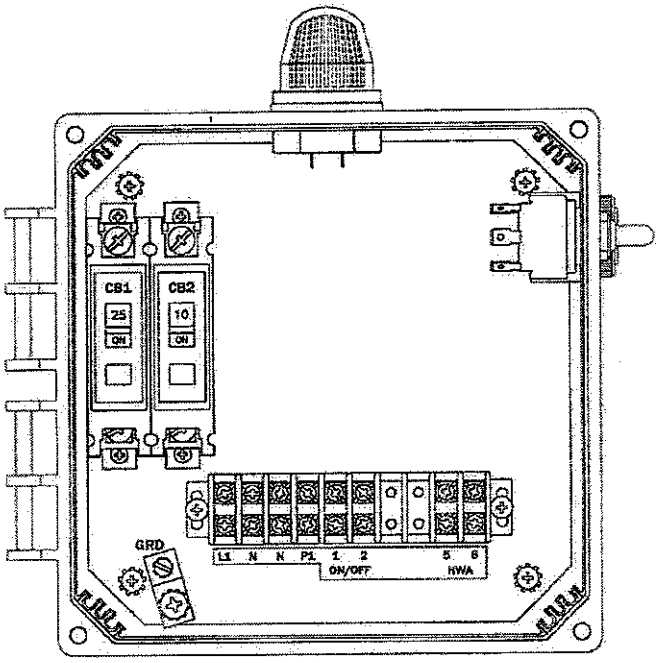
SEPTIC PRODUCTS INC

CONTROL PANEL

50B137-NETFA Control Panel

Features & Benefits

- Circuit Breakers for Pump, Compressor & Alarm Circuits
- 24 Hr Timer w/15 minute intervals
- Large & Easy to Access Terminal Block
- Externally Mounted Run/Mute/Test Switch w/UV resistant sealing boot
- Externally Mounted Audible Alarm
- Rugged UV resistant Externally Mounted Alarm Light
- Durable Weather Resistant Hinged Poly Enclosure
- Silk Screen Back Panel
- Ground Lug
- Easily Replaceable Components
- Nema 4x Rating
- Color Coded Internal Wiring
- Built and Labeled to UL 508A Standard
- Works with most Aerobic Treatment Systems
- Provided with Wiring Schematic and Detailed Connection Diagram for Installer
- Mounting Feet for Enclosure



UL LISTED C UL

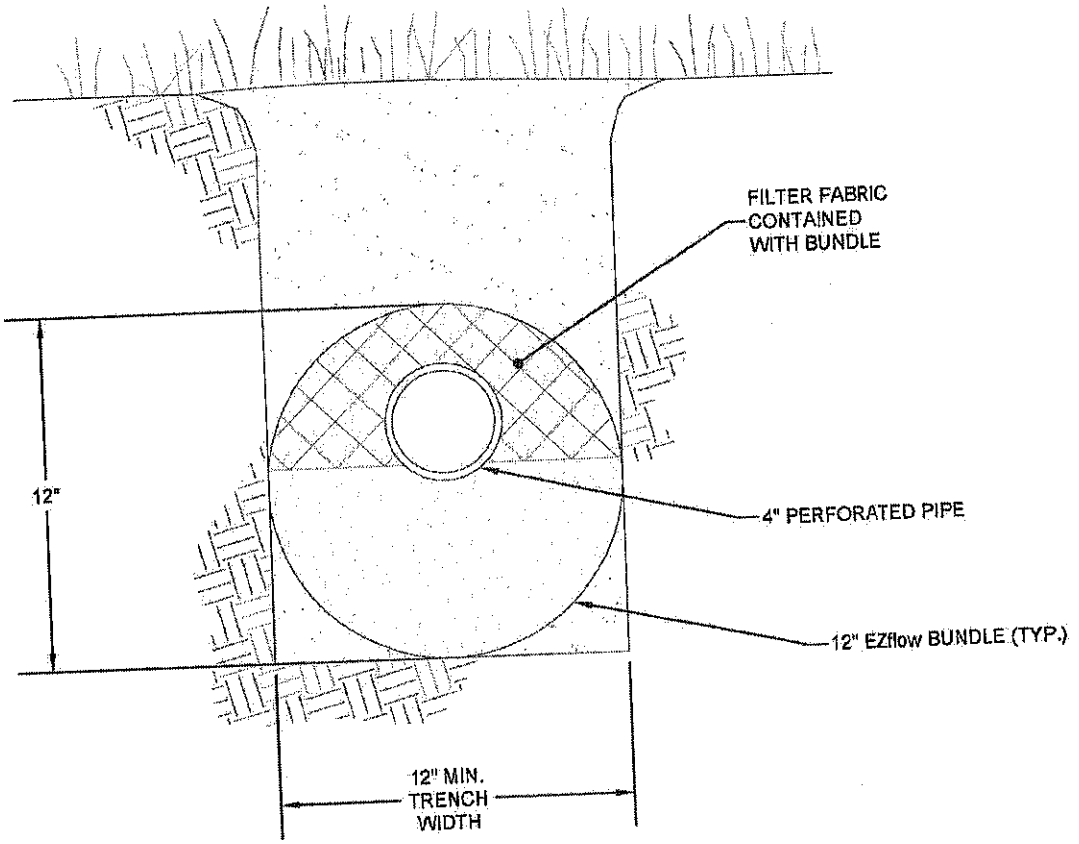
Available Options

- Externally Mounted Pump Test Switch
- Externally Mounted Air Pressure Switch
- Auto-Dialer
- Locking Stainless Steel Latch
- Repeat Cycle Timer Option
- Mercury or Mechanical Float Switches for the Pump and High Water Alarm Circuits

Note: Consult the factory for other available options. Also, some options may require an increase in the enclosure size.

Septic Products, Inc. 1378 Twp Rd Ashland, Ohio: (419)282-5933 Fax: (419)282-5943

EZflow 1201P - GEO



Infiltrator Water Technologies
Part of ADS

EZflow

INFILTRATOR WATER TECHNOLOGIES, LLC
4 BUSINESS PARK RD, OLD SAYBROOK, CT 06475
WWW.INFILTRATORWATER.COM
PHONE: (800) 221-4436 / EMAIL: INFO@INFILTRATORWATER.COM

EZflow 1201P - GEO
TYPICAL CROSS SECTION DETAIL

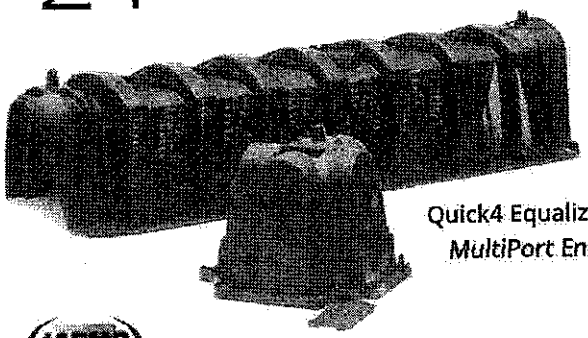
DRAWN BY	DATE	SCALE	SHEET NO.
AG	04/15/2025	N/A	01 of 01

Document Path: N:\Standard Details\Drawings for the Website\EZflow 1201P - GEO CROSS SECTION.dwg

Quick4® Equalizer 24

Chambers

The Quick4 Equalizer 24 Chamber fits in a 18" wide trench and is ideal for curved or straight systems. It features the patent-pending Contour Swivel Connection™ which permits turns up to 10°, right or left. The MultiPort™ endcap allows multiple piping options and eliminates pipe fittings. The chamber's four-foot length provides optimal installation flexibility.



Quick4 Equalizer 24 *MultiPort* EndCap

Benefits

- *Advanced contouring connections swivel up to 10°, right or left*
- Reinforced ribs provide increased structural capability and durability
- Compact nesting provides more trench length in an equivalent stack height
- Four-foot chambers are easy to handle and install
- The Quick4 Equalizer 24 Chamber supports wheel loads of 16,000 lbs/axle with only 12" of cover

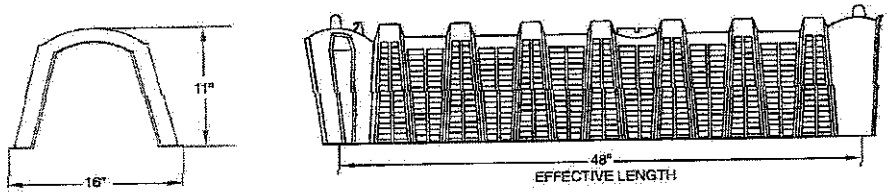
Quick4 Equalizer 24 Chamber Specifications	
Size	16"W x 53"L x 11"H (406 mm x 1346 mm x 279 mm)
Effective Length	48" (1219 mm)
Louver Height	9.10" (231 mm)
Storage Capacity	21 gal (79 L)
Invert Height	6" (152 mm)

MultiPort Endcap Benefits:

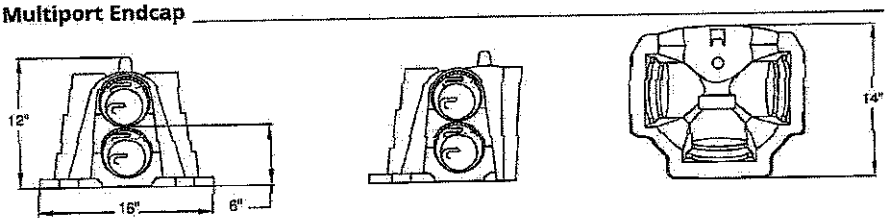
- Tear-out seals on inlet ports provide a tight fit to the pipe
- Six molded-in inlets/outlets allow for maximum piping flexibility
- Fits on either end of the Quick4 Equalizer 24 Chamber
- MultiPort endcap fits on either end of the chamber

Contact Infiltrator's Technical Services Department for assistance at 1-800-221-4436 or info@infiltratorwater.com

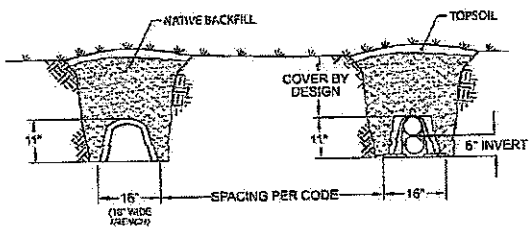
Quick4 Equalizer 24 Chamber



Multiport Endcap



Typical Trench View



Scan QR Code for Installation Instructions

Quick4 EQ 24

Infiltrator Water Technologies
Part of ADS

infiltratorwater.com • (800) 221-4436