

CONSTRUCTION AUTHORIZATION FOR G.S. 130A-335(a2)

County: Harnett
PIN/Lot Identifier: 0643-37-1217
Issued To: J. Douglas Contracting LLC
Property Location: 229 Deer Tail Lane, Fuquay-Varina, NC 27526
AOWE/PE Plans/Evaluations Provided: Yes No If yes, name and license number of AOWE/PE: Jason Hall, AOWE #10004E
Facility Type: Single Family, 3-Bedroom

New Expansion Repair System Relocation Change of Use
Basement? Yes No Basement Fixtures? Yes No
Type of Wastewater System* IIIG, gravity to serial (accepted) (Initial) IIIB, pressure manifold (PPBPS) (Repair)

*Please include system classification for proposed wastewater system types in accordance with 15A NCAC 18A .1961 Table V(a)
Design Daily Flow: 360 GPD Wastewater Strength: domestic high strength industrial process
Session Law 2014-120 Section 53, Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies? Yes No
(if yes, please provide engineering documentation)

Installation Requirements/Conditions

Septic Tank Size: 1000 gallons Total Trench/Bed Length: 330 feet Trench/Bed Spacing: 9 feet on center
Trench/Bed Width: 36 inches LTAR 0.3 gpd/ft²
Additional Soil Cover: 0 inches Slope Corrected Maximum Trench/Bed Depth[†]: 24 inches * Measured on the downhill side of the trench
Aggregate Depth: n/a inches above pipe n/a inches below pipe n/a inches total
Pump Tank Size (if applicable): _____ gallons Requires more than 1 pump? Yes No
Pump Requirements: _____ ft. TDH vs. _____ GPM Grease Trap Size (if applicable): _____ gallons
Distribution Method: Serial D-Box or Parallel Pressure Manifold(s) LPP Other: _____
Artificial Drainage Required: Yes No If yes, please specify details: _____

Legal Agreements (If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)

Multi-party Agreement Required [.1937(h)]: Yes No
Easement, Right-of-Way, or Encroachment Agreement Required [.1938(j)]: Yes No
Declaration of Restrictive Covenants: Yes No
Pre-Construction Conference Required: Yes No

Conditions: _____

The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached system layout.

AOWE/PE Print Name: Jason Hall Expiration Date: 12/31/2023
AOWE/PE Signature: [Signature] Date: 08/25/2023

This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-335(a2) and (a5).

See attached site sketch





Central Carolina Soil Consulting, PLLC
1900 South Main Street, Suite 110, Wake Forest, NC 27587
Office Number: 919-569-6704

Acknowledgment of Subsurface wastewater evaluation and septic design by Central Carolina Soil Consulting, PLLC. for Cotton Farms, Lot 46 (PIN: 0643-37-1217), for issuance of an IP and CA.

For Improvement Permit (IP) issuance:

"The LSS/LG evaluation(s) attached to this application is to be used to issue an Improvement Permit in accordance with G.S. 130A-335(a2) and (a3)."

For Construction Authorization (CA) issuance:

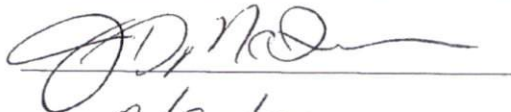
"The plans or evaluations attached to this application are to be used to issue a Construction Authorization in accordance with G.S. 130A-335(a2), (a5) and (a6)."

The LSS evaluation attached to this application was used to produce and design a subsurface wastewater septic system for permitting to obtain an IP and CA in accordance G.S. 130A-335(a2), (a3), (a5) and (a6).

Owner:

J. DOUGLAS CONTRACTING, LLC

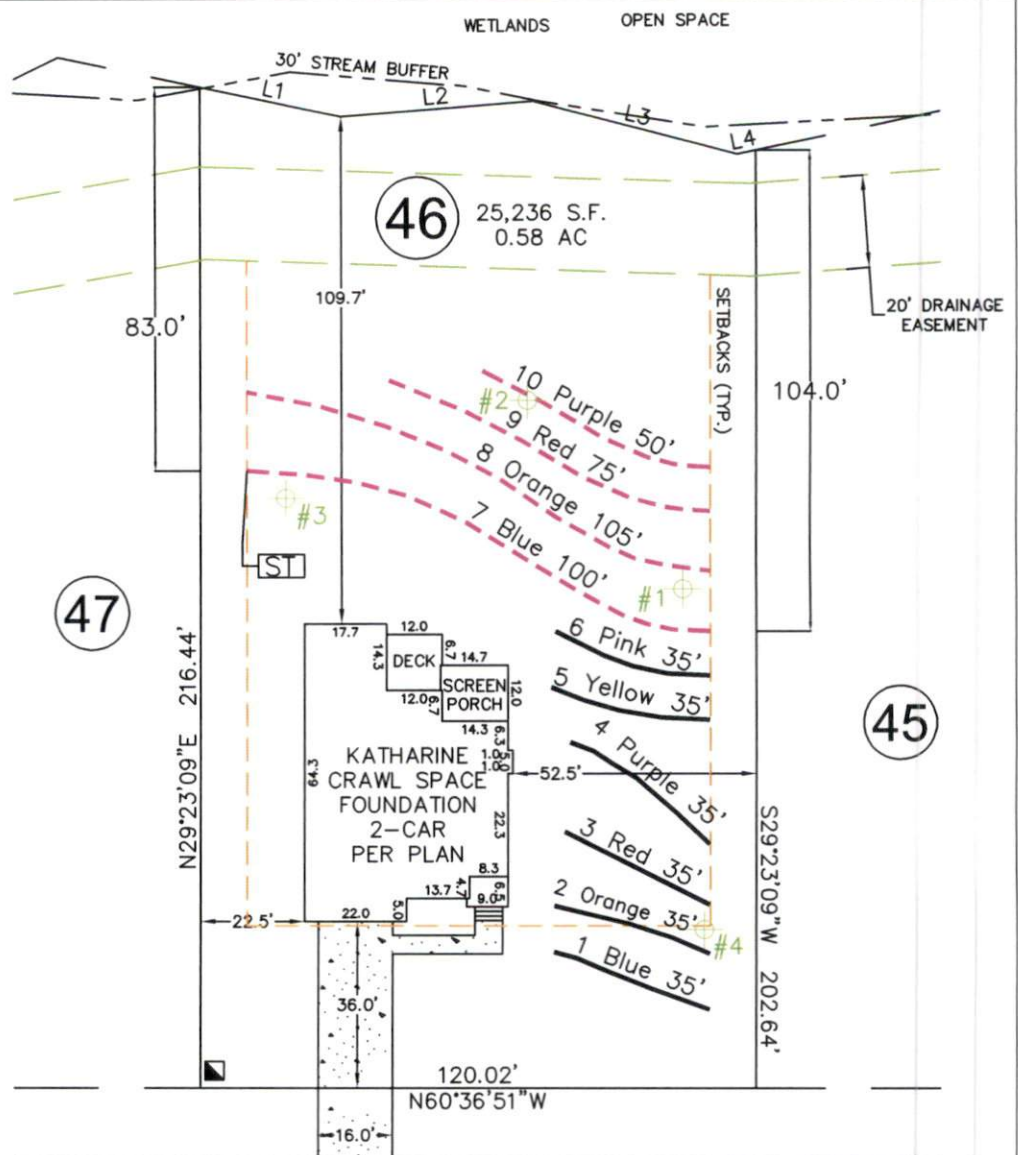
Owner's representative:



Date:

8/30/23

System: - - - -
 Repair: ————
 [ST] = 1000 gallon septic tank
 #2 = profile description locations



DEER TAIL LANE

50' PUBLIC R/W & UTILITY

- *Keep tanks and drain lines 10' from property lines.
- *Not a survey.
- *Not a guarantee of a septic permit.
- *Keep supply lines >5' from property lines.
- *Some lines are flagged longer in the field than lengths indicate.
- *No grading septic area.
- *No adding soil within septic area
- *No rutting-up septic area
- *No cuts of >2' within 15' of septic areas

System: Gravity to Serial Lines: 7-10, (330') Accepted Status System 0.3 Soil LTAR 24" Trench Bottom
Repair: Pressure Manifold Lines: 1-6, (210') T&J Panel Block System (horizontal) 0.3 Soil LTAR 23" Trench Bottom

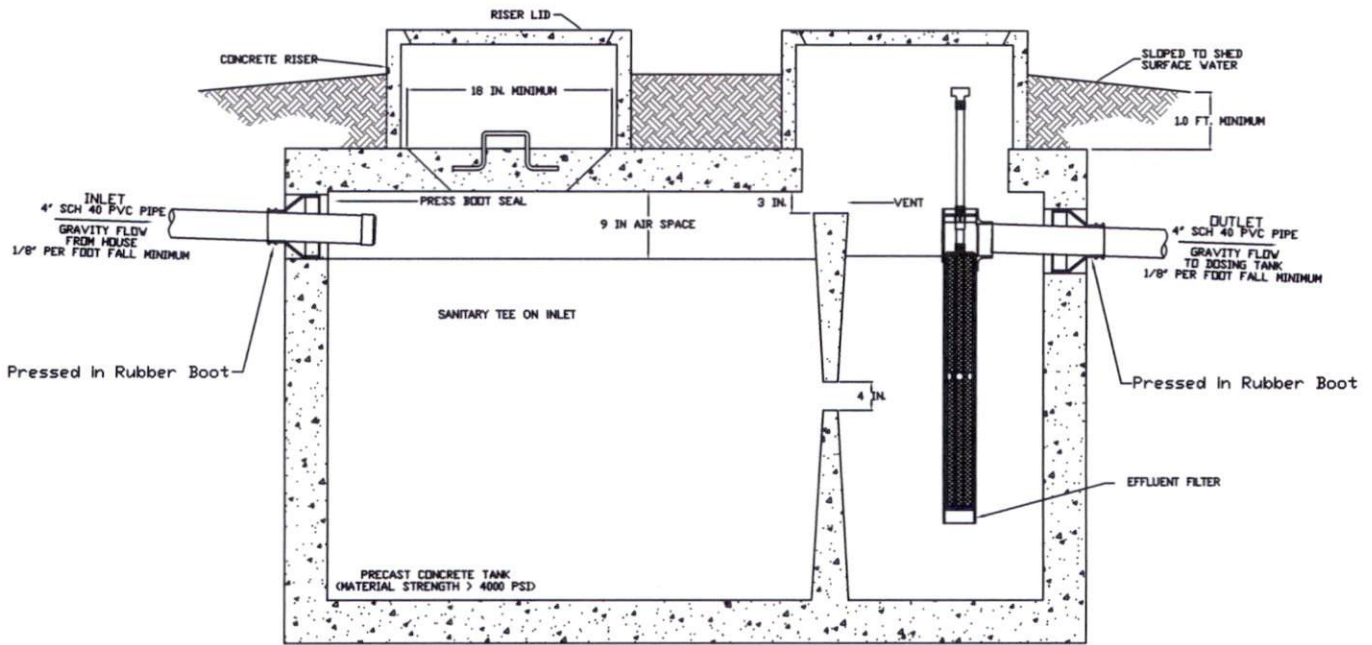
GRAPHIC SCALE
1" = 40'



Central Carolina Soil Consulting, PLLC
 1900 South Main Street, Suite 110
 Wake Forest, North Carolina 27587
 Phone (919)569-6704 Fax (919)569-6703

3-Bedroom Septic Layout
 Lot 46, Cotton Farms Subdivision
 Harnett County, North Carolina

Job#: 4609
Drawn By: JR
Date: 08/25/2023
Revision:



1000 GAL SEPTIC TANK SCHEMATIC
NOT TO SCALE

NOTES

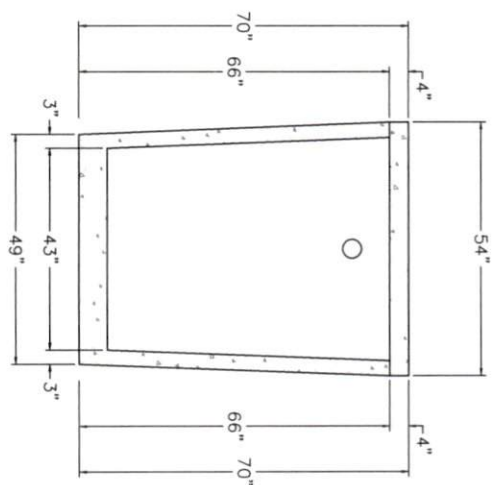
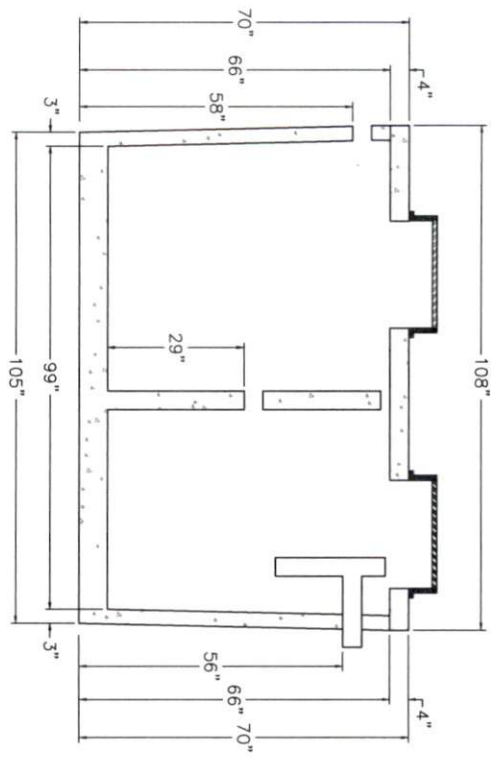
1. ALL TANKS SHALL BE LEAK TESTED SUCH THAT EXFILTRATION OCCURS AT A RATE WHICH DOES NOT EXCEED TEN GALLONS PER TWENTY-FOUR HOURS PER 1,000 GALLONS OF TANK CAPACITY
2. ALL TANKS MUST BE APPROVED FOR USE BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL HEALTH (DEH).
3. INVERTS SHOWN ARE APPROXIMATE. THE INSTALLER SHALL FIELD CONFIRM PRIOR TO CONSTRUCTION.
4. ALL HARDWARE INSTALLED INSIDE OF TANKS SHALL BE OF STAINLESS STEEL.
5. TANK DIMENSIONS VARY BY MANUFACTURER.
6. DRAWDOWN WILL VARY WITH TANK DIMENSIONS.



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Wake Forest, North Carolina 27587
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Septic Tank Details
Cotton Farms, Lot 46
Harnett County, North Carolina

Job#: 4609
Drawn By: JR
Date: 08/25/2023



1,000 ST 502
NTS

NON TRAFFIC BEARING

DAVID BRANTLEY & SONS
37 Pine Ridge Rd.
Zebulon, NC 27597
Office 252-478-3721
Fax 919-573-0443
tinstaller@gmail.com

PREPARED FOR : David Brantley & Sons
37 Pine Ridge Rd.
Zebulon, NC 27597
DATE : April 11, 2014
CONTACT : CORY BRANTLEY

REVISION NO.	DATE
Original Submitted	April 11, 2014
Revision 1	
Revision 2	
Revision 3	
Master Set	

BRANTLEY TANK MODEL
1,000 ST 502
SHEET NUMBER
1 of 1



PL-68 Filter and Tee

PL-68 is much more than just an effluent filter. The housing can also be used as an inlet baffle (tee) or an outlet baffle. The housing is designed to accept Polylok's snap in gas deflector to deflect gas bubbles away from the tee and to keep the solids in the tank.

Features:

- Offers 68 linear feet of 1/16" filter slots, which significantly extends time between cleaning.
- Accepts 3/4" PVC handle.
- Locks in any 360° position when used with PL-68 Tee.
- PL-68 Housing can be used as an inlet or outlet tee.
- Gasket prevents bypass.

PL-68 Installation:

Ideal for residential waste flows up to 800 gallons per day (GPD). Easily installs in any new or existing 4" outlet tee.

1. Locate the outlet of the septic tank.
2. Remove the tank cover and pump tank if necessary.
3. Glue the filter housing to the outlet pipe, or use a Polylok Extend & Lok if not enough pipe exists.
4. Insert the PL-68 filter into tee.
5. Replace and secure the septic tank cover.

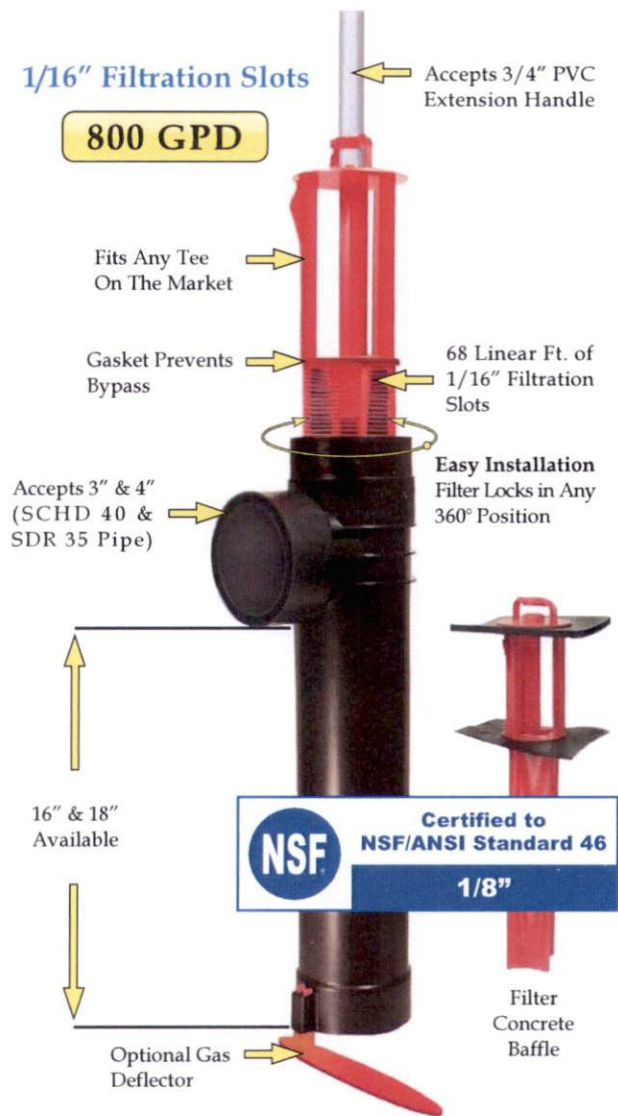
PL-68 Maintenance:

The PL-68 Effluent Filter will operate efficiently for several years under normal conditions before requiring cleaning. It is recommended that the filter be cleaned every time the tank is pumped, or at least every three years.

1. Do not use plumbing when filter is removed.
2. Pull PL-68 out of the tee.
3. Hose off filter over the septic tank. Make sure all solids fall back into septic tank.
4. Insert filter back into tee/housing.

Related Products:

PL-68 Filter Concrete Baffle
 Extend & Lok™



Extend & Lok™
 Easily installs into existing tanks.



Spacer Bushing
 4" SCHD 40 to SDR 35



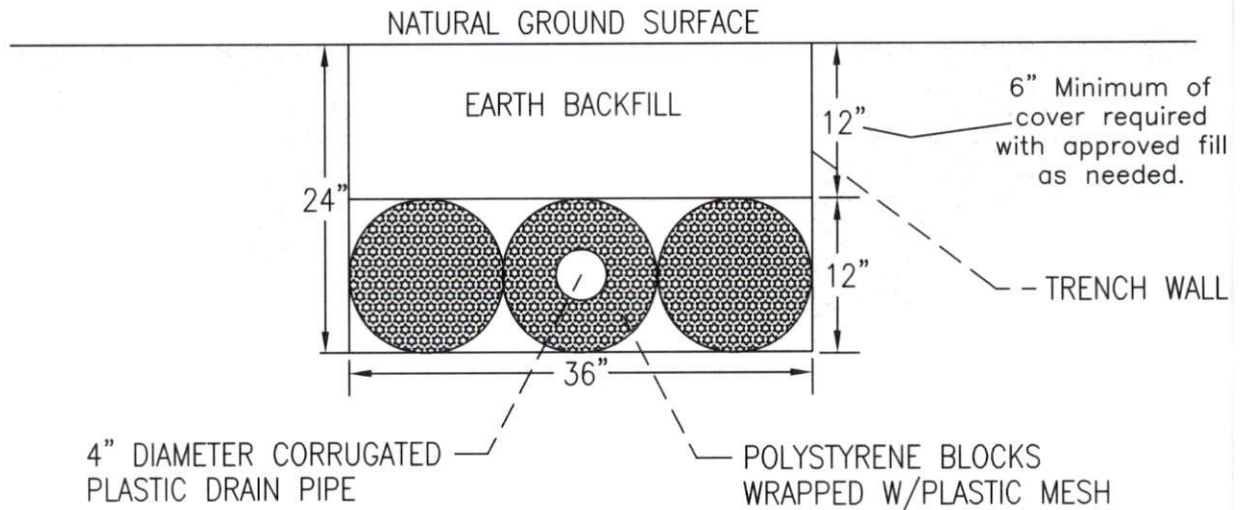
Spacer Bushing
 4" SCHD 40 to 110mm Pipe



2" Extender

EZ-FLOW DETAILS

Example only: Installed trench bottom should match design.



NOTE :

1. EZ-FLOW INSTALLATION SHALL MEET THE REQUIREMENTS INCLUDED IN ITS INNOVATIVE APPROVAL
2. TRENCH BOTTOM SHALL BE AT LEAST 12" FROM ANY RESTRICTIVE SOIL LAYER
3. END CAP SHALL BE PROVIDED AT END OF ALL CORRUGATED PLASTIC PIPE LINES AND TRENCH BOTTOMS SHALL BE LEVEL
4. THIS IS A GENERIC TRENCH PROFILE SEE COUNTY PERMIT FOR TRENCH DEPTH.



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Trench Details
 Cotton Farms, Lot 46
 Harnett County, North Carolina

Job#: 4609
 Drawn By: JR
 Date: 08/25/2023



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1900 South Main Street, Suite 110, Wake Forest, NC 27587
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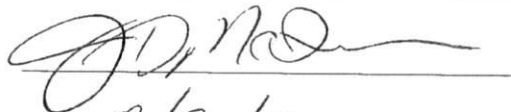
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J. DOUGLAS CONTRACTING, LLC

Owner's representative:



Date:

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AOWE/PE Signature: [Signature] Date: 08/25/2023

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DAVID BRANTLEY & SONS
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 Office 252-478-3721
 Fax 919-573-0443
 installer@gmail.com

PREPARED FOR : David Brantley & Sons
 37 Pine Ridge Rd
 Zebulon, NC 27597

DATE : April 11, 2014

CONTACT: COREY BRANTLEY

Model Sd

Revision 3

Revision 2

Revision 1

Original Submitted

DATE
April 11, 2014

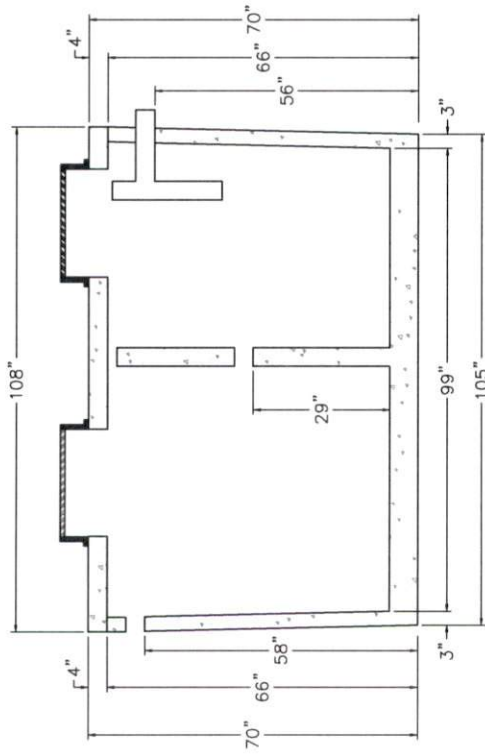
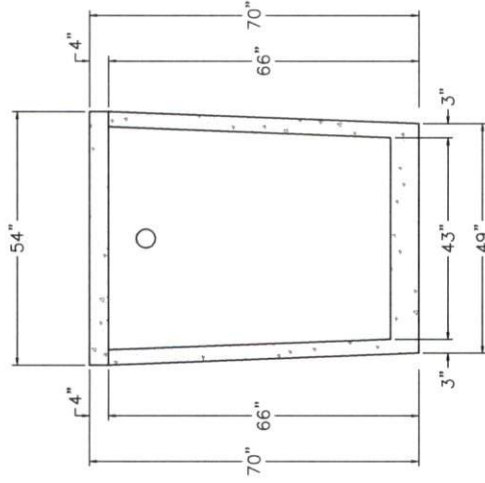
BRANTLEY TANK WORKS
1,000 ST 502

SHEET NUMBER

1 of 1

NON TRAFFIC BEARING

1,000 ST 502
NTS





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- Gasket prevents bypass.

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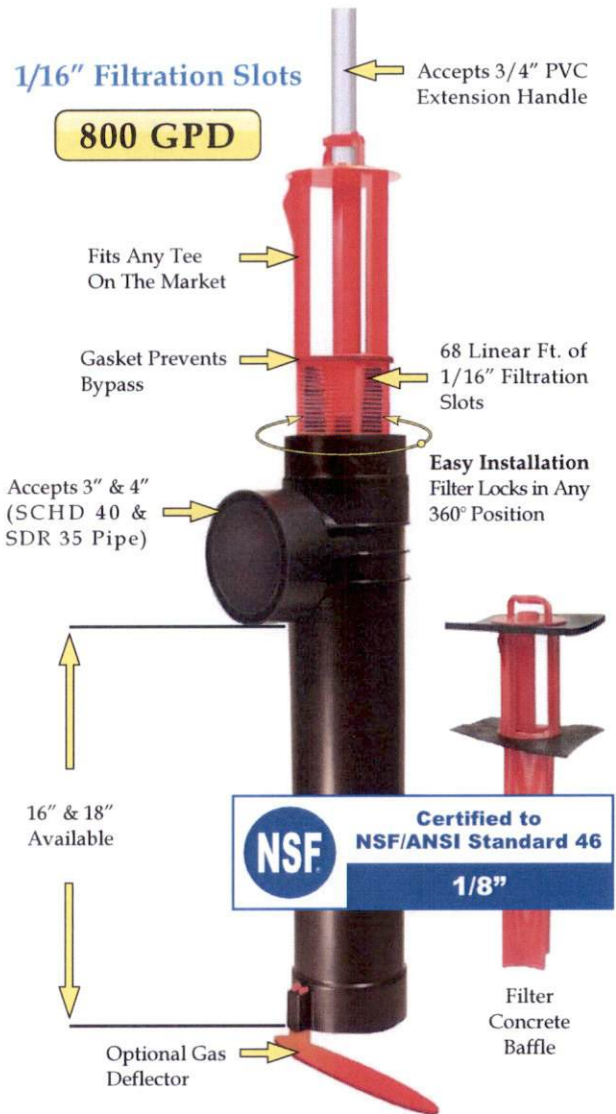
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Spacer Bushing
 4" SCHD 40 to SDR 35



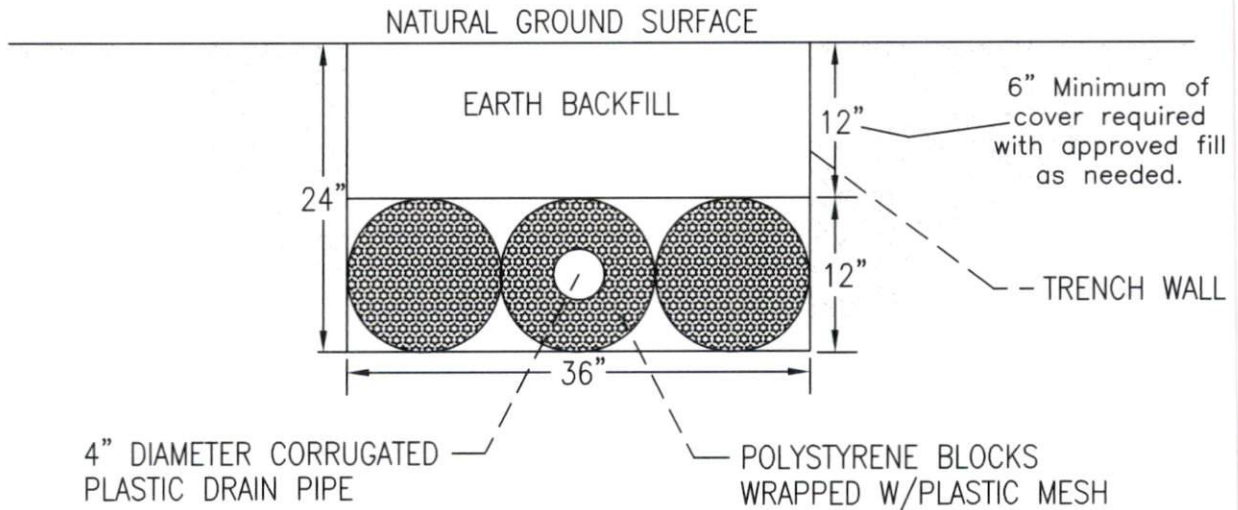
Spacer Bushing
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