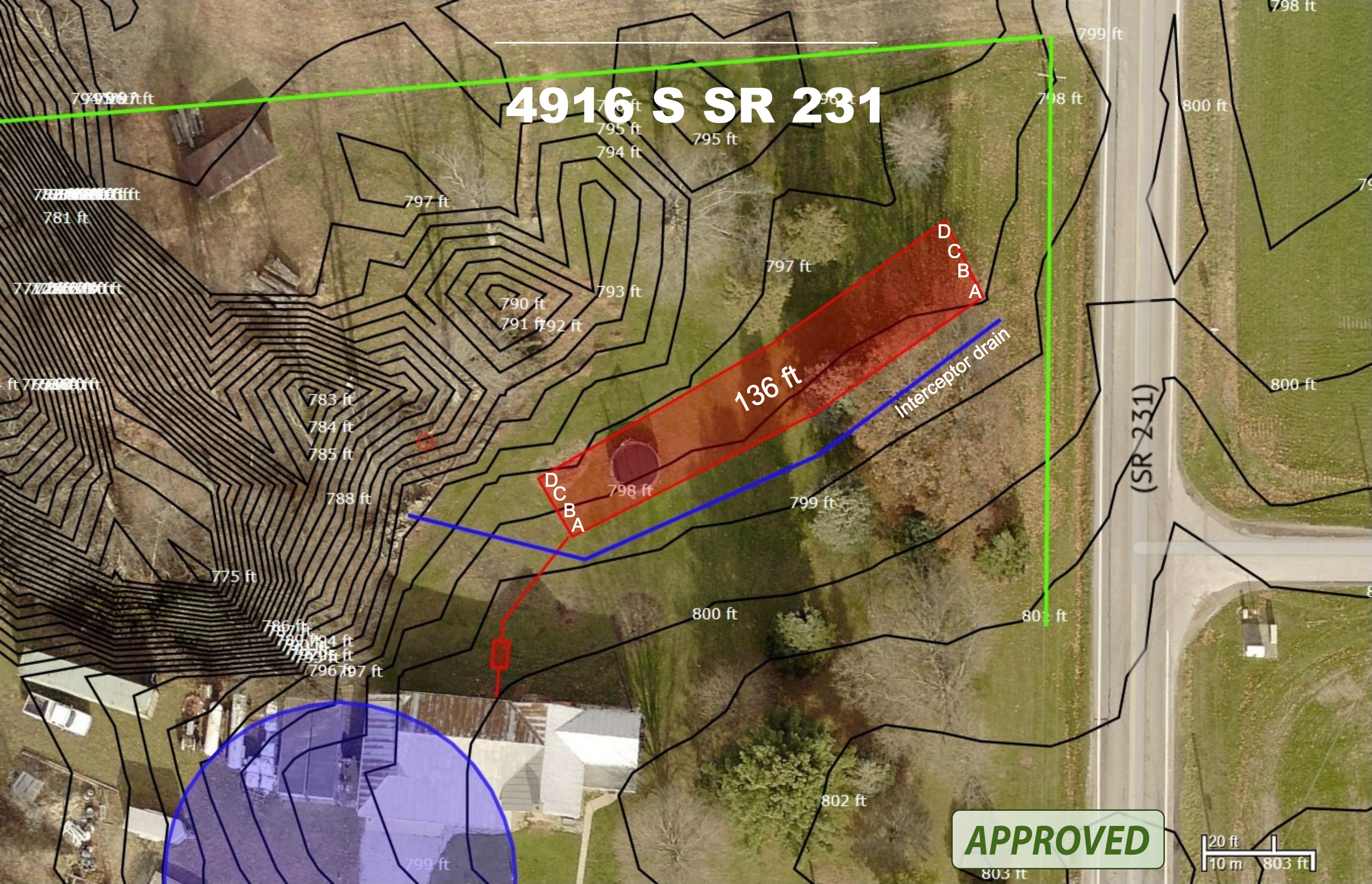


4916 S SR 231



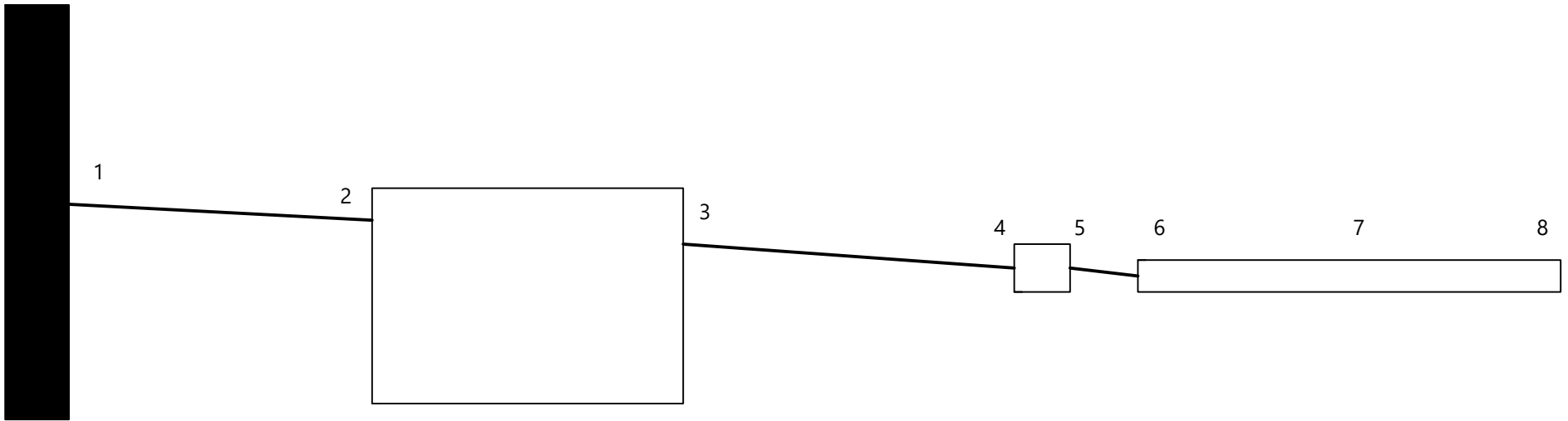


OWNER NAME:	Snyder			
ADDRESS:	4916 S SR 231			
PARCEL ID#	E18000289720000			
# BEDROOMS	3			
DAILY DESIGN FLOW	360			
ADJUSTMENTS:				
SYSTEM TYPE	Leachfield			
<b>SOILS</b>				
LIMITING CONDITION	PSWT			
DEPTH TO LIMITING CONDITION	16.0"			
INFILTRATION DEPTH	12"			
DEPTH INTO ORGINAL GRADE	4"			
SLOPE	3-4%			
	>25 mg/l			
SOIL INFILTRATION LOADING RATE	0.4		Soil Horizon	Bt1
HYRAULIC LINEAR LOADING RATE	2.9		Soil Horizon	Bt1
<b>SYSTEM CALCULATIONS</b>				
INFILTRATIVE SURFACE (ft2)	900			
25% ADDITION FOR RESTING (ft2)	1125			
25% REDUCTION FOR GRAVELLESS	843.75			
MIN. INFILTRATIVE SURFACE (ACTIVE)	675			
MIN. INFILTRATIVE SURFACE (RESTING)	225			
MIN. INFILTRATIVE SURFACE (TOTAL)	900			
TRENCH LENGTH	124			
% TRENCH LENGTH REDUCTION	0			
MIN. TRENCH LENGTH	124			
NUMBER OF TRENCHES	4			
ACTIVE LEACH TRENCHES	3			
RESTING LEACH TRENCHES	1			
<b>ACTUAL DESIGN</b>				
TRENCH WIDTH	2 ft			
TRENCH LENGTH	136 ft.			
NUMBER OF TRENCHES	4			
TOTAL LINEAR FT. OF TRENCH	544 ft			
TOTAL INFILTRATIVE SURFACE	1088 ft2			
FIELD WIDTH	20ft west end and 28ft east end			
<b>CONSTRUCTION NOTES:</b>				
Pine tree to be removed				
Interceptor drain flow line of 7.4 with grade of one-tenth per 100 ft. Slotted 4in drain tile and 1 ft of stone backfill.				
Daylight into ravine w/ animal guard				
<b>MATERIALS:</b>				
1- 1500 gallon septic tank				
1- 8 hole d-box				
4- Speed levelers				
136- 4ft chambers, 8- end caps, 4- observation ports				
12ft- 4" Sch. 40, 1- 4" cleanout				
70ft- 4" Sch. 35 and required fittings				
200ft- 4" slotted drain tile				

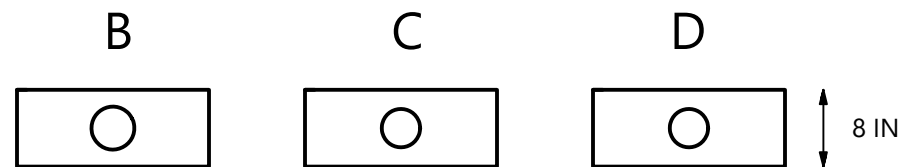
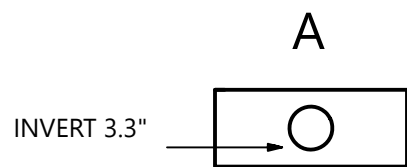
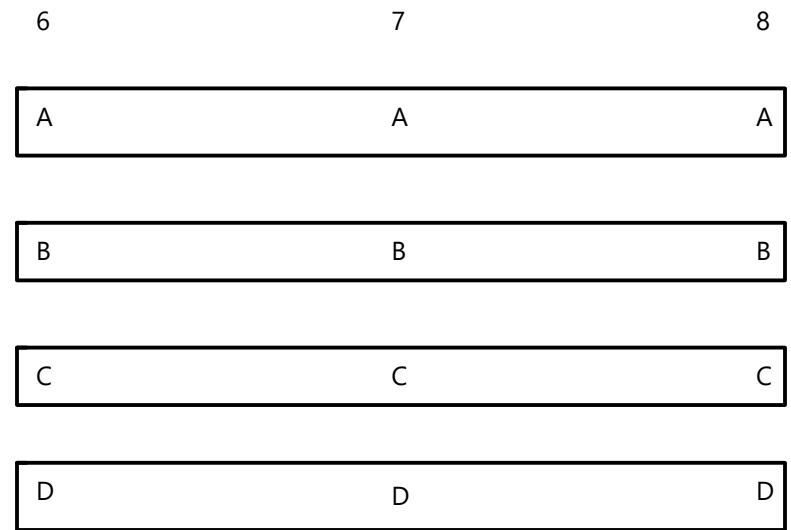
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LOCATION	FLOW LINE	ORIGINAL GRADE	FINISHED GRADE
1	4.35	3	
2	4.5	3.7	3
3	4.7	4.4	3
4	4.9	5	4.2
5	5.1	5	4.2
	TRENCH BOTTOM	ORIGINAL GRADE	FINISHED GRADE
6			
A	5.4	5.1	4.2
B	5.7	5.5	4.5
C	6.1	5.8	4.9
D	6.3	6	5.1
7			
A	5.4	5.1	4.2
B	5.7	5.35	4.5
C	6.1	5.6	4.9
D	6.3	6	5.1
8			
A	5.4	5.1	4.2
B	5.7	5.3	4.5
C	6.1	5.7	4.9
D	6.3	5.9	5.1
Interceptor drain	Flow line 7.4		
BENCHMARK	Front patio concrete	1.9	

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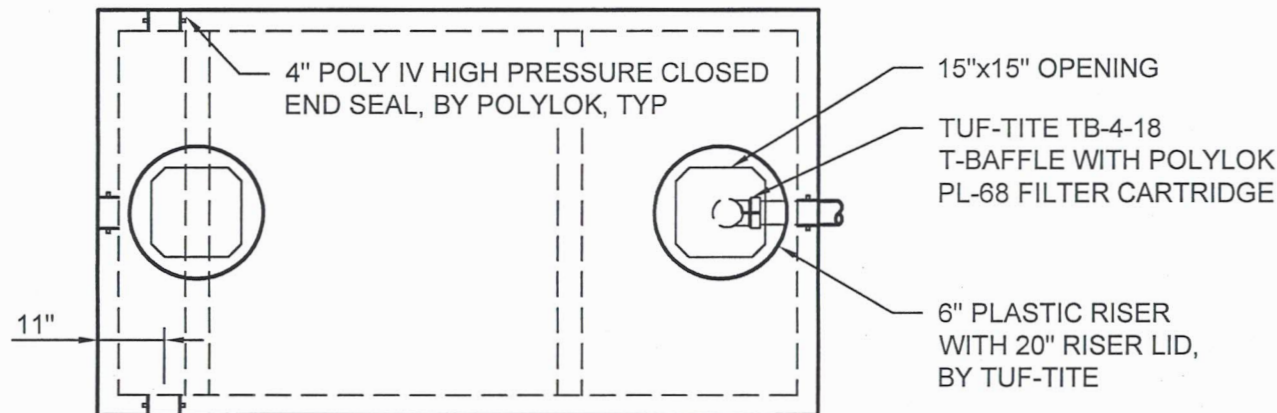
6FT. CENTERS  
↑  
↓



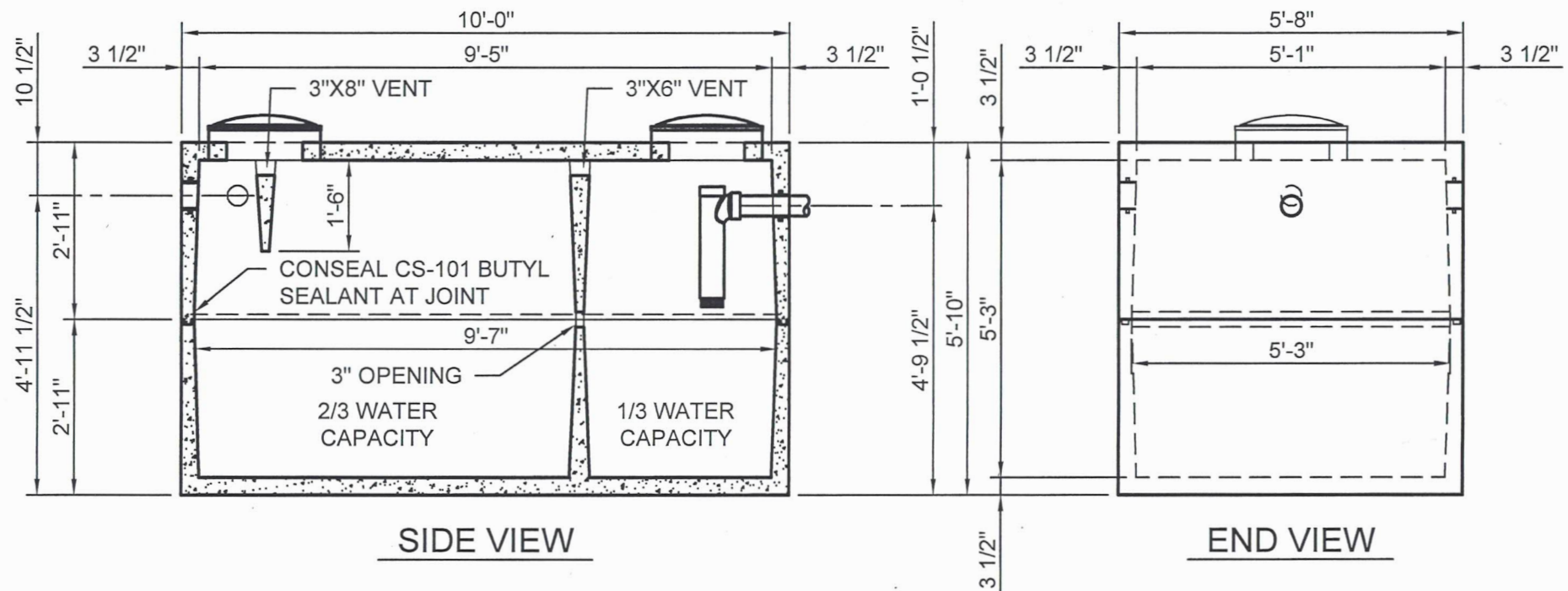
TRENCH BOTTOM

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***APPROVED***



### PLAN VIEW



**Stiger**  
*Precast, Inc.*  
17793 St Hwy. 231 740-482-2313  
Nevada, OH 44849 800-426-2116

Scale: 1/2" = 1'-0"  
Date: 12/22/2015

# 1,500 GALLON SEPTIC TANK

Dwg No.  
**ST**  
**1500**



**INFILTRATOR®**  
water technologies

**Quick4<sup>PLUS</sup>**  
CHAMBER SYSTEMS™

## The Quick4® Plus Equalizer 36 Low Profile (LP) Chamber

### Quick4 Plus™ Series

The Quick4 Plus Equalizer 36 Low Profile (LP) offers maximum strength through its two center structural columns. This chamber can be installed in a 24-inch-wide trench. It is 4 inches shorter in height than other Equalizer 36 model chambers, allowing for shallower installation. Like the original line of Quick4 chambers, it offers advanced contouring capability with its Contour Swivel Connection™, which permits turns up to 15°, right or left. The Quick4 Plus All-in-One 8 and Quick4 Plus Endcaps provide increased flexibility in system design and configurations.



**Maximum Strength**

### Quick4 Plus Equalizer 36 LP Chamber Specifications

**Size**

22"W x 53"L x 8"H  
(559 mm x 1346 mm x 203 mm)

**Effective Length**

48" (1219 mm)

**Louver Height**

6.3" (160 mm)

**Storage Capacity**

20 gal (76 L)

**Invert Height**

3.3" (84 mm), 9.6" (244 mm)

### Quick4 Plus Equalizer 36 Low Profile (LP) Chamber Benefits:

- Low profile design makes this chamber ideal for shallow applications
- Reduces imported fill needed for cap and fill systems
- Two center structural columns offer superior strength
- Advanced contouring connections
- Latching mechanism allows for quick installation
- Four-foot chamber lengths are easy to handle and install
- Supports wheel loads of 16,000 lbs/axle with 12" of cover

### Quick4 Plus All-in-One Periscope Benefits:

- Allows for raised invert installations
- 180° directional inletting
- 12" raised invert is ideal for serial applications



### Quick4 Plus All-in-One 8 Endcap Benefits:

- May be used at the end of chamber row for an inlet/outlet or can be installed mid-trench
- Mid-trench connection feature allows center feed inletting of chamber rows
- Center-feed connection allows for easy installation of serial distribution systems
- Variable pipe connection options allow for side, end or top inletting
- Piping drill points are set for gravity or pressure pipe



### Quick4 Plus Endcap Benefits:

- Simple, flat design
- Allows installation of a pipe from the end only
- Piping drill points are set for gravity or pressure pipe

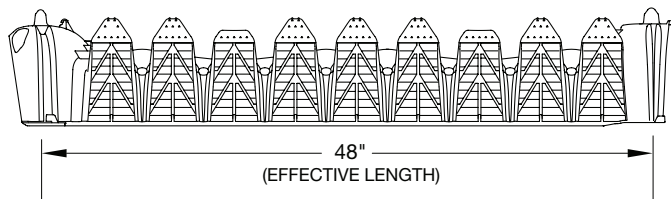
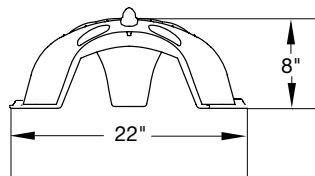
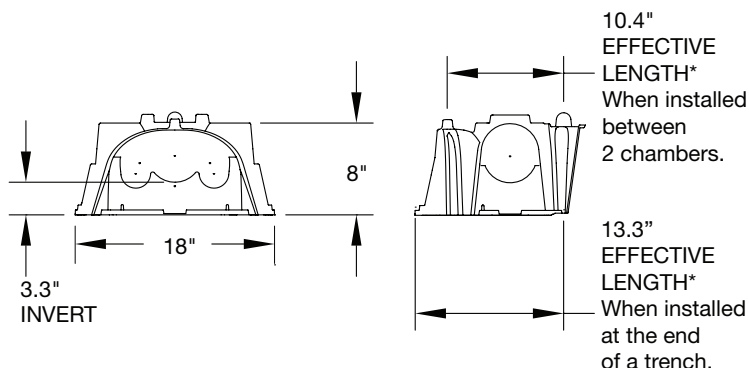
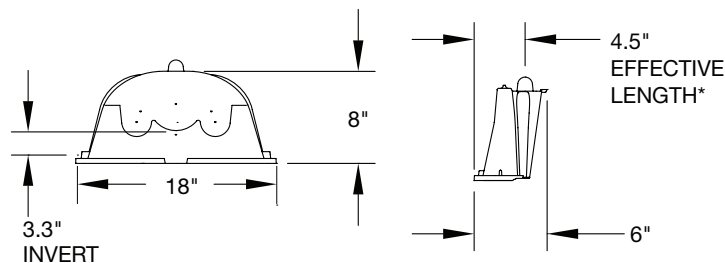
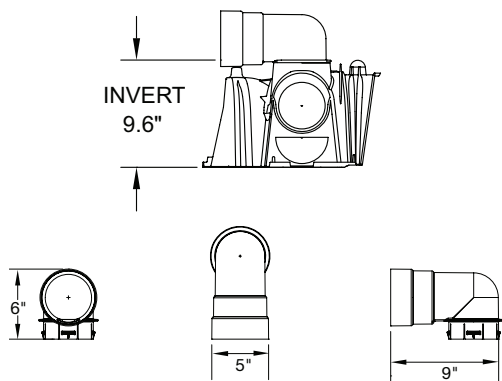


APPROVED in \_\_\_\_\_

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Certified by the International  
Association of Plumbing  
and Mechanical  
Officials (IAPMO)



**Quick4 Plus Equalizer 36 Low Profile Chamber**

**Quick4 Plus All-in-One 8 Endcap**

**Quick4 Plus Endcap**

**Quick4 Plus All-in-One Periscope**

**INFILTRATOR WATER TECHNOLOGIES STANDARD LIMITED WARRANTY**

(a) The structural integrity of each chamber, endcap and other accessory manufactured by Infiltrator ("Units"), when installed and operated in a leachfield of an onsite septic system in accordance with Infiltrator's instructions, is warranted to the original purchaser ("Holder") against defective materials and workmanship for one year from the date that the septic permit is issued for the septic system containing the Units; provided, however, that if a septic permit is not required by applicable law, the warranty period will begin upon the date that installation of the septic system commences. To exercise its warranty rights, Holder must notify Infiltrator in writing at its Corporate Headquarters in Old Saybrook, Connecticut within fifteen (15) days of the alleged defect. Infiltrator will supply replacement Units for Units determined by Infiltrator to be covered by this Limited Warranty. Infiltrator's liability specifically excludes the cost of removal and/or installation of the Units.

(b) THE LIMITED WARRANTY AND REMEDIES IN SUBPARAGRAPH (a) ARE EXCLUSIVE. THERE ARE NO OTHER WARRANTIES WITH RESPECT TO THE UNITS, INCLUDING NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE

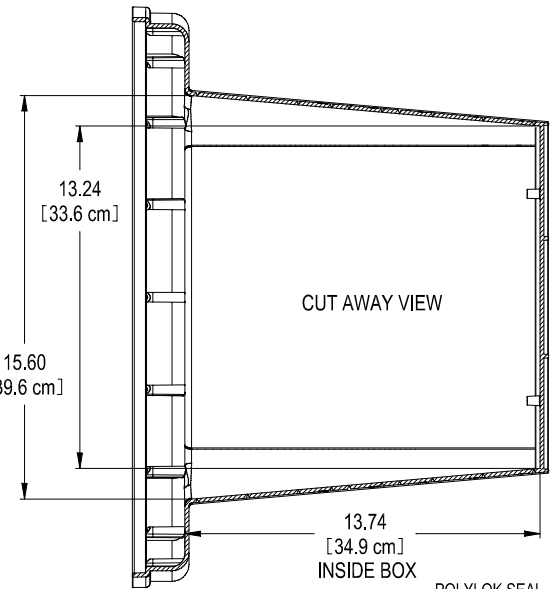
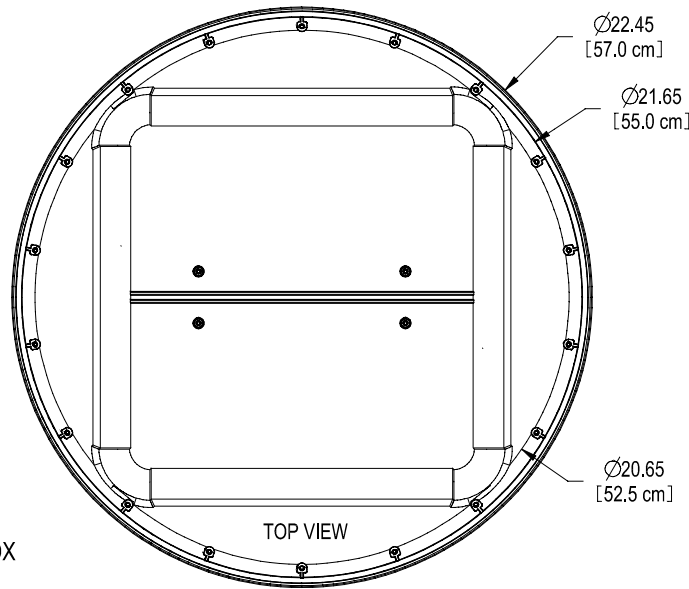
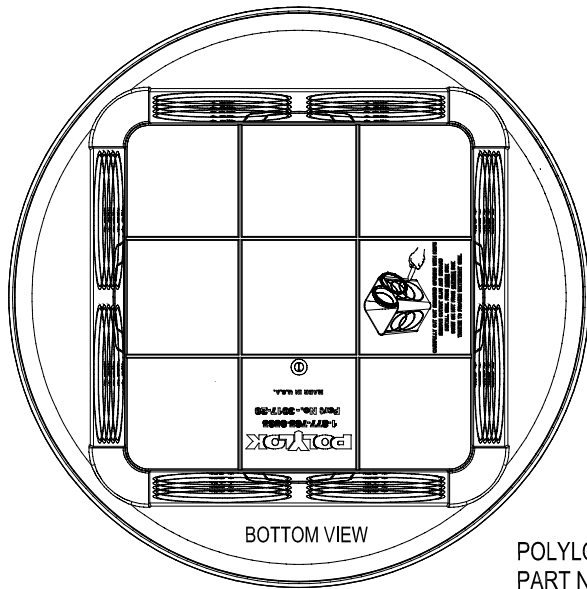
(c) This Limited Warranty shall be void if any part of the chamber system is manufactured by anyone other than Infiltrator. The Limited Warranty does not extend to incidental, consequential, special or indirect damages. Infiltrator shall not be liable for penalties or liquidated damages, including loss of production and profits, labor and materials, overhead costs, or other losses or expenses incurred by the Holder or any third party. Specifically excluded from Limited Warranty coverage are damage to the Units due to ordinary wear and tear, alteration, accident, misuse, abuse or neglect of the Units; the Units being subjected to vehicle traffic or other conditions which are not permitted by the installation instructions; failure to maintain the minimum ground covers set forth in the installation instructions; the placement of improper materials into the system containing the Units; failure of the Units or the septic system due to improper siting or improper sizing, excessive water usage, improper grease disposal, or improper operation; or any other event not caused by Infiltrator. This Limited Warranty shall be void if the Holder fails to comply with all of the terms set forth in this Limited Warranty. Further, in no event shall Infiltrator be responsible for any loss or damage to the Holder, the Units, or any third party resulting from installation or shipment, or from any product liability claims of Holder or any third party. For this Limited Warranty to apply, the Units must be installed in accordance with all site conditions required by state and local codes; all other applicable laws; and Infiltrator's installation instructions.

(d) No representative of Infiltrator has the authority to change or extend this Limited Warranty. No warranty applies to any party other than the original Holder.

The above represents the Standard Limited Warranty offered by Infiltrator. A limited number of states and counties have different warranty requirements. Any purchaser of Units should contact Infiltrator's Corporate Headquarters in Old Saybrook, Connecticut, prior to such purchase, to obtain a copy of the applicable warranty, and should carefully read that warranty prior to the purchase of Units.

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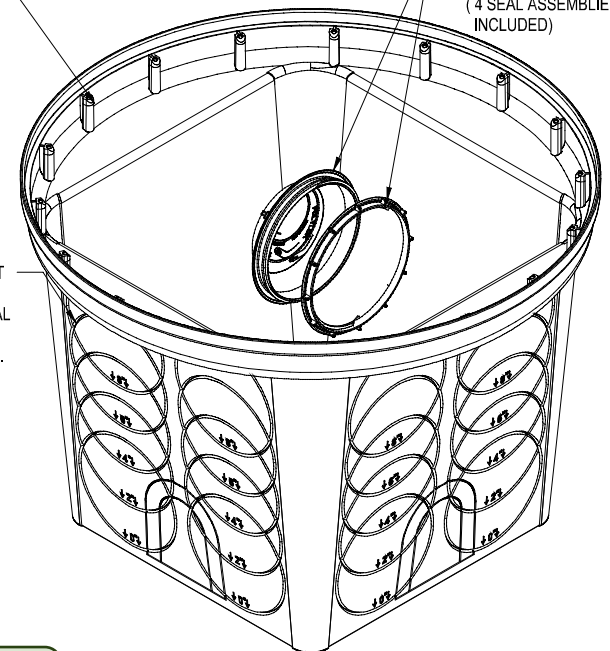
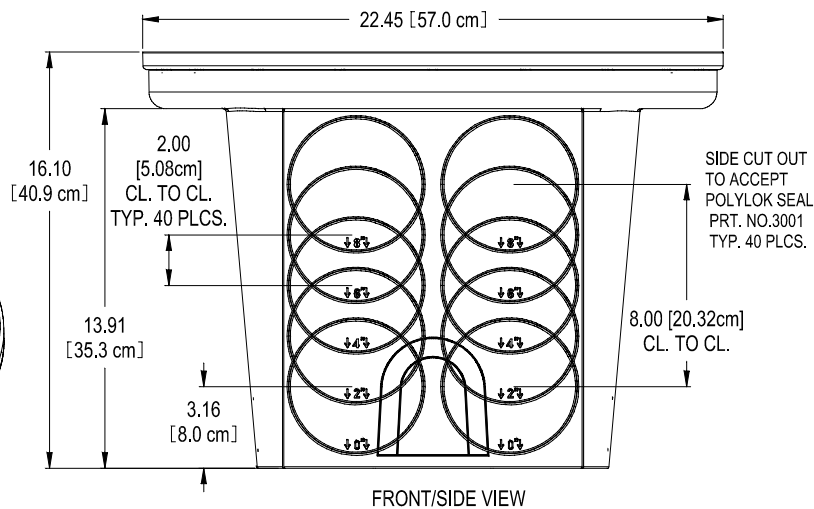
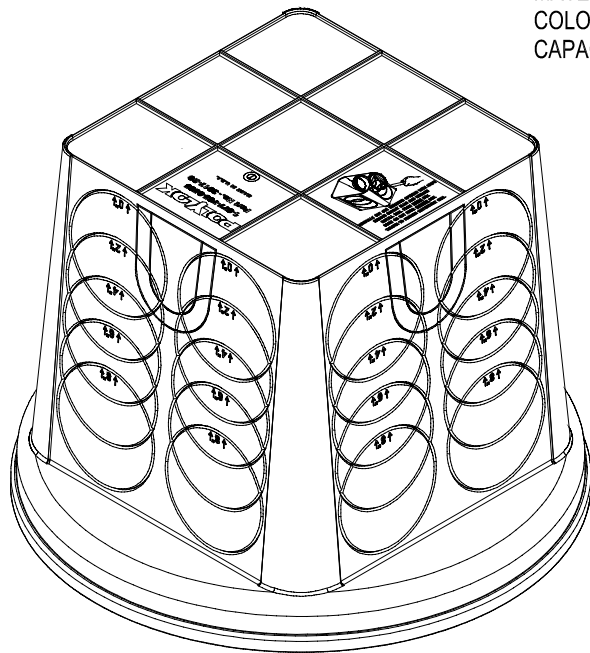




POLYLOK 20" D-BOX  
 PART NO. 3017-20  
 MATERIAL - POLYPROPYLENE  
 COLOR - BLACK  
 CAPACITY - 15 GALLONS

BOX ACCEPTS:  
 LIGHT COVER PART NO. - 3009C  
 HEAVY COVER PART NO. -3017-C20  
 GRATE- PART NO.-3017-G20  
 6" TALL RISER PART NO. 3009  
 12" TALL RISER PART NO. 3009-R12

POLYLOK SEAL  
 ASSEMBLY  
 PART NO. 3001  
 (4 SEAL ASSEMBLIES  
 INCLUDED)



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## Speed Levelers™



### There Is No Faster, Easier, Better, Or More Economical Way To Equalize Distribution Box Flow

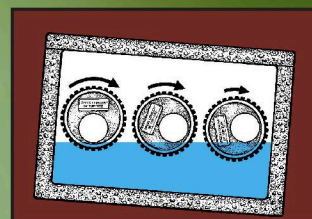
There's no need to dig up and re-level tilted distributions boxes. Or to struggle with makeshift pipe dams. Now, with Tuf-Tite Speed Levelers, you can do the job in a fraction of the time, for a fraction of the cost.



For all size and shape concrete distributions boxes, as well as polyethylene boxes from Tuf-Tite.

#### Tough Problem

The distribution box is out of alignment. Effluent does not flow equally into the outlet pipes.



#### TUF-TITE Solution

Insert Tuf-Tite Speed Levelers into the outlet pipes. Simply adjust each Leveler so the flow is equally distributed.



#### For 3" or 4" PVC pipes

Speed Levelers are precision engineered to fit commonly used Schedule 40 Thick-Wall, SDR 35 (3034), and 2729 Thin-Wall PVC pipes. Simply press the Levelers into the pipe ends. They fit water-tight. No tools are necessary.

#### Non-corrosive Polyethylene

Tuf-Tite Speed Levelers are molded of specially formulated polyethylene that is highly chemical resistant. They are actually more corrosion resistant than the PVC pipe in which they're used.



#### They're hand-adjustable

Easily rotate Speed Levelers by hand. The Flo-Hole can be positioned to admit effluent at the precise level you desire. The range of settings is infinitely variable. And Levelers can be reset easily, anytime.

#### Tested. Proved. Preferred

Test after test show that Tuf-Tite Speed Levelers significantly improve distribution in gravity-flow septic systems. There simply is no other way this can be accomplished as effectively, quickly, easily, or economically.

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