

SEWER VIEWER SERIES SAMPLING TANK
(SV4, SV24)



Sheet Descriptions

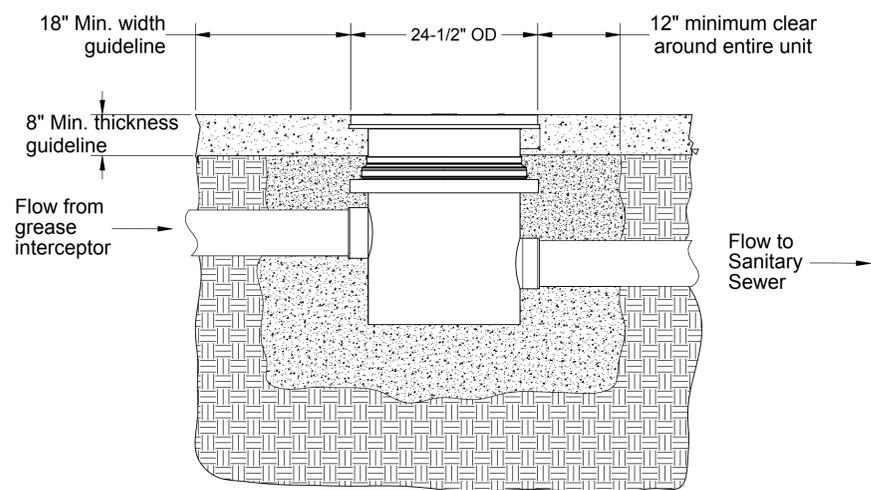
Sheet #1 - Below and Above Grade installation guidelines
Sheet #2 - TeleGlide Riser installation guidelines

Leak/Seal Testing

DO NOT AIR TEST UNIT OR TELEGLIDE RISER SYSTEM! Doing so may result in property damage, personal injury or death.

Base Unit: To perform a leak/seal test on the base unit, cap/plug all plumbing connections, remove the cover, and fill the unit with water just above the highest connection. Inspect unit and connections for leaks. Check water level at specific time intervals per local code.

TeleGlide Riser System: If required by local code, the riser system may be leak/seal tested similar to the base unit. **CAUTION:** the riser(s) must be supported before filling with water to keep from tipping over. Once riser system is in place and properly supported, cap/plug all plumbing connections on the main unit, remove the cover from the top of the riser assembly and fill the unit and riser system with water to finished grade level. Carefully, as the riser(s) will be very heavy from the weight of the water, inspect all gasket(s) and clamps (if applicable) for any leaks. Check water level at specific time intervals per local code.



EXCAVATION AND BACKFILL DETAIL
(INTERIOR OR EXTERIOR)
(SV24 Shown)

BELOW GRADE INSTALLATION INSTRUCTIONS

EXCAVATION

1. Locate unit as close as possible to grease interceptor being served.
2. Width and length of excavation shall be minimum 12" greater than the tank on all sides.
3. Depth of excavation shall be 6" deeper than tank bottom.
4. Set the tank in well-packed crushed aggregate material approximately 3/4" size rock with no fines.

CONNECTIONS

1. Connect waste piping to the unit.
2. To conduct a pressure test on pipes, if required, use expandable test plug. Do not pressure test unit.

BACKFILLING

1. Before backfilling and pouring of slab secure cover(s) to the unit(s)
2. Backfill using crushed backfill material approximately 3/4" size rock or sand with no fines.
3. Thickness of concrete around cover to be determined by specifying engineer. If traffic loading is required the concrete slab dimensions shown above are for guideline purposes only.

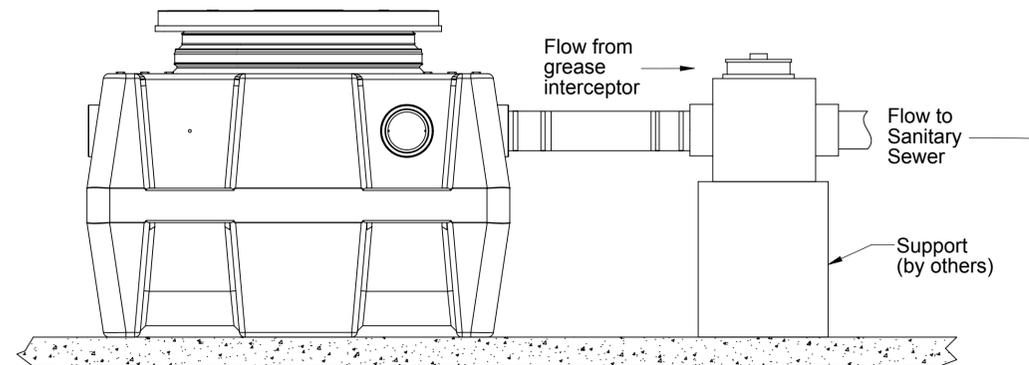
NOTES:

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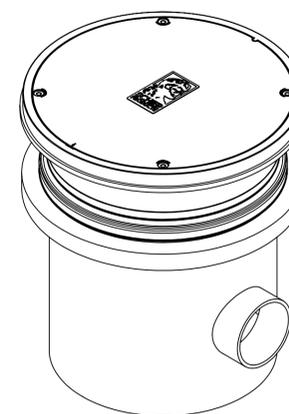
ABOVE GRADE INSTALLATION INSTRUCTIONS



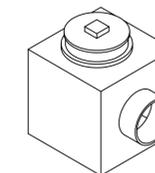
Interceptor with SV4

ABOVE GRADE INSTALLATION INSTRUCTIONS

1. Set unit on a level and solid surface.
2. If unit is to be suspended above the floor ensure bottom of unit is fully supported.
3. Connect waste piping to the unit.
4. To conduct a pressure test on pipes, if required, use expandable test plug. Do not pressure test unit.



SV24



SV4

DESCRIPTION:

SEWER VIEWER INSTALLATION GUIDE

SHEET NUMBER: 1 of 2

MATL: PE

DWG BY: EAS

DATE: 11/30/11

REV: 0

Schier Products
9500 Woodend Rd
Edwardsville, KS 66111
Tel: 800-827-7119
Fax: 800-827-9664
www.schierproducts.com

Made in the U.S.A



Tools included (with base grease interceptor unit(s))

- 7/16" Nut driver tool/bit
- Silver permanent marker

Tools Needed:

- Tape measure
- Regular or cordless drill with 1/2" chuck

Tools needed if Riser(s) require cutting:

- Jigsaw or
- Cordless circular saw or
- Reciprocating saw

Riser Assembly Instructions/Steps:

1. If unit is to be installed on grade (on-the-floor), there is no need for any adjustments. Unit is ready to be put into service.
2. If unit is to be buried: Once unit is set so that the pipe connections line up with jobsite piping, measure total riser height needed from top of cover to finished grade. Make sure you include any future tile work, etc. that may be installed in your finished grade measurements. See figure 1.
3. Select according riser(s) needed based off Table 1.
4. If riser(s) is needed, remove cover(s) from adapter and remove adapter from main unit by loosening upper clamp with included nut driver bit (lower band is factory set do not adjust or remove). On the floor near the unit, insert adaptor into first riser until it stops. If needed, insert bottom of first riser into top of second riser until it stops. You may need to tighten upper clamps during this step to keep risers from shifting. Adapter and riser(s) should sit level with each other. Removal of cover during this process will ease assembly.
5. From the top of the adapter, measure your needed total riser height downward to the sidewall of the riser. Then, add 4". For example, if you need a 15-1/2" extension, you would measure down from the top of the adapter 19-1/2" (15-1/2" + 4" = 19-1/2"). See Figure 2.
6. Refer to Table 2 to determine if, and where, any cuts need to be made. If a cut needs to be made, make a circular line around the sidewall of the riser with the included silver marker at your riser height + dimension from step 5. Using a jigsaw, circular saw or reciprocating saw, cut along your line. Discard/recycle the cutoff scrap.
7. Whether the riser needs to be cut or not, make another mark with the silver marker on the sidewall of the riser a distance of 3 INCHES above the edge just cut. If you did not make a cut (meaning your riser height + dimension from step 5 line was beyond the bottom edge of your riser), still mark the sidewall of the riser 3 INCHES above where your riser height + dimension from step 5 line would have been. DO NOT cut this new line. Once the riser is installed into the main unit, this new line will end up at the top of the gasket and will aid in re-assembly. See Figure 3.
8. **IMPORTANT:** Before the next step:
 1. Refer to sheet 1 of the installation instructions for leak/water testing procedures.
9. Take riser(s) and adapters apart to reduce the weight during installation. Wipe all sidewalls and inside of gasket with a damp cloth to remove jobsite dust/debris. Install components into the main unit starting from the lowest (cut) riser and working your way toward the finished floor level. Upper clamps at each gasket need to be loosened or removed to aid in assembly. Once riser(s)/adapter is inserted into gasket, upper clamp can be tightened.
10. Verify that the bottom of the lowest riser is protruding at least 2-1/2" but no more than 4" into the main unit from the top of the gasket. Your mark from step 7 should be at the top edge of the gasket on the main unit. If measurements were made correctly, this should happen automatically. See figure 4.
11. If tilting of the adapter is required to be flush with finished grade, it must be done AFTER all clamps have been tightened with riser(s)/adaptor in a vertical and level position. Tilting is achieved by using the flexibility of the gasket. If tilting is done before clamps are tightened, a perfect gasket seal may be compromised. Schier recommends tilting only the adapter versus the entire riser assembly to make sure your riser height is maintained.
12. Tighten all clamps to a minimum of 5 and a maximum of 8 ft lbs. of torque. Use the same torque as you would tighten a rubber no-hub coupling.
13. The adapter must be adjusted upward to achieve certain extension heights. See Table 2.
14. If jobsite riser height conditions change after the above steps have been completed, there may still be room for vertical adjustment in both directions. As long as minimum and maximum overlaps are maintained (see Figure 4), the adapter/riser(s) can be adjusted/cut as many times as necessary. Please follow these steps from the beginning to ensure the proper overlaps are maintained.

TeleGlide Riser (24 Series) Installation Guidelines (SV24)

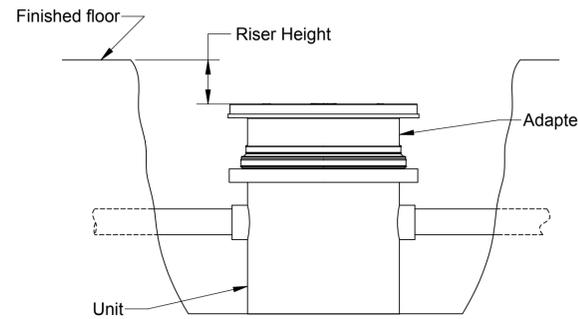
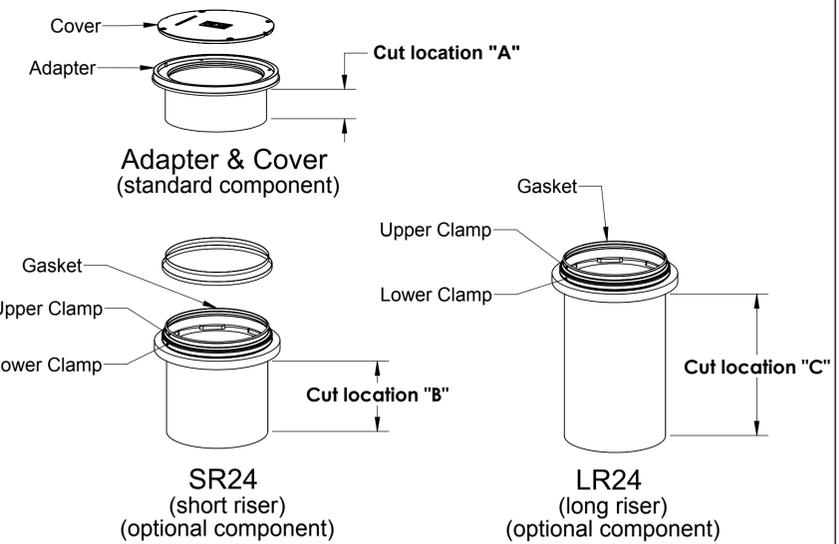
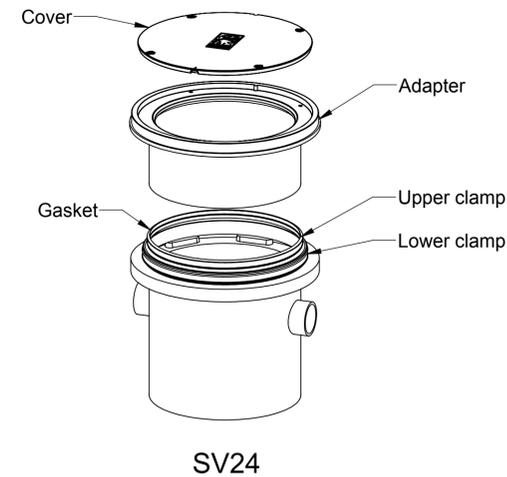


Figure 1

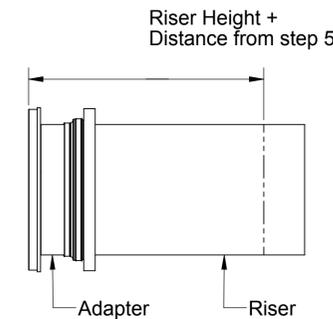


Figure 2

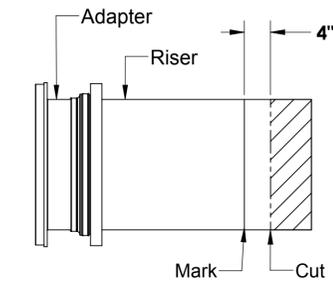


Figure 3

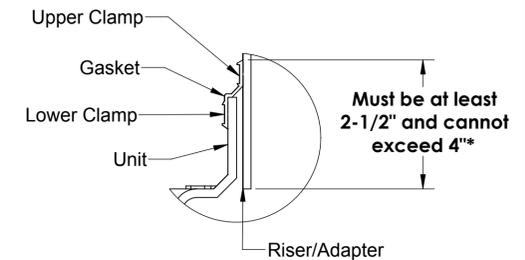


Figure 4

Table 1 TeleGlide Riser Order Guide		
Riser Range	SV24-L4	
	SR24	LR24
0"-2-1/2"	0	0
>2-1/2" - 20-1/2"	1	0
>20-1/2" - 35-1/2"	0	1
>35-1/2" - 39-1/2"	2	0
>39-1/2" - 54-1/2"	1	1
>54-1/2" - 68-1/2"	0	2

Table 2 (for SV24)			
Riser Height Needed	Riser P/N Needed	Riser Qty. Need	Cut Location(s) (See figures above)
0" to 2-1/2"	None	0	None
>2-1/2" to 5-1/2"	SR24	1	a,b
>5-1/2" to 16"	SR24	1	b
>16" to 20-1/2"	SR24	1	None ⁷
>20-1/2" to 31"	LR24	1	c
>31" to 35-1/2"	LR24	1	None ⁸
>35-1/2" to 39-1/2"	SR24	2	b
>39-1/2" to 49-1/4"	SR24	1	c
	LR24	1	
>49-1/2" to 54-1/2"	SR24	1	None ⁹
	LR24	1	
>54-1/2" to 65-1/4"	LR24	2	c
>65-1/4" to 68-1/2"	LR24	2	None ¹⁰

7. Adjust adapter upwards to reach 18-1/2" to 20-1/2"
 8. Adjust adapter upwards to reach 33-1/2" to 35-1/2"
 9. Adjust adapter upwards to reach 52-1/2" to 54-1/2"
 10. Adjust adapter upwards to reach 66-1/2" to 68-1/2"

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DESCRIPTION:

SEWER VIEWER INSTALLATION GUIDE

SHEET NUMBER: 2 of 2

MATL: PE

DWG BY: EAS

DATE: 11/30/11

REV: 0

Schier Products
 9500 Woodend Rd
 Edwardsville, KS 66111
 Tel: 800-827-7119
 Fax: 800-827-9664
 www.schierproducts.com

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