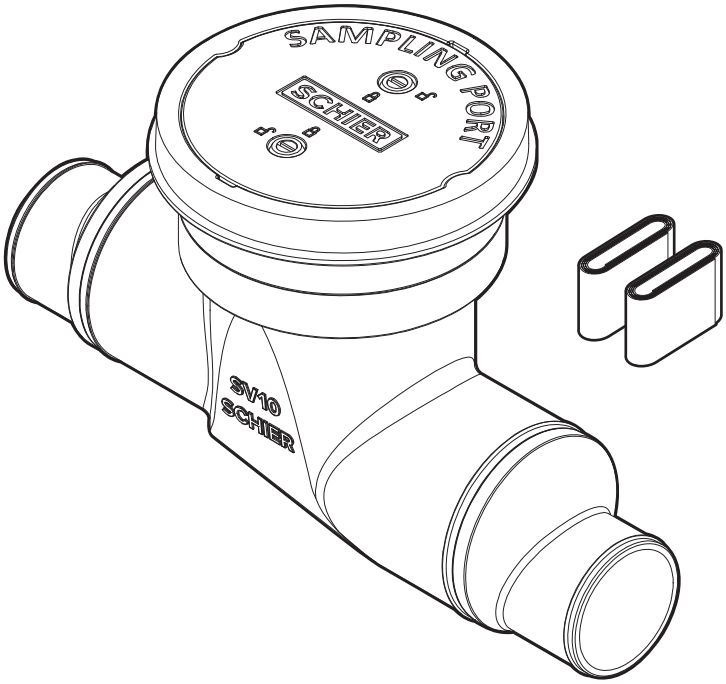
INSTALLATION GUIDE

SV10 Wastewater Sampling Port

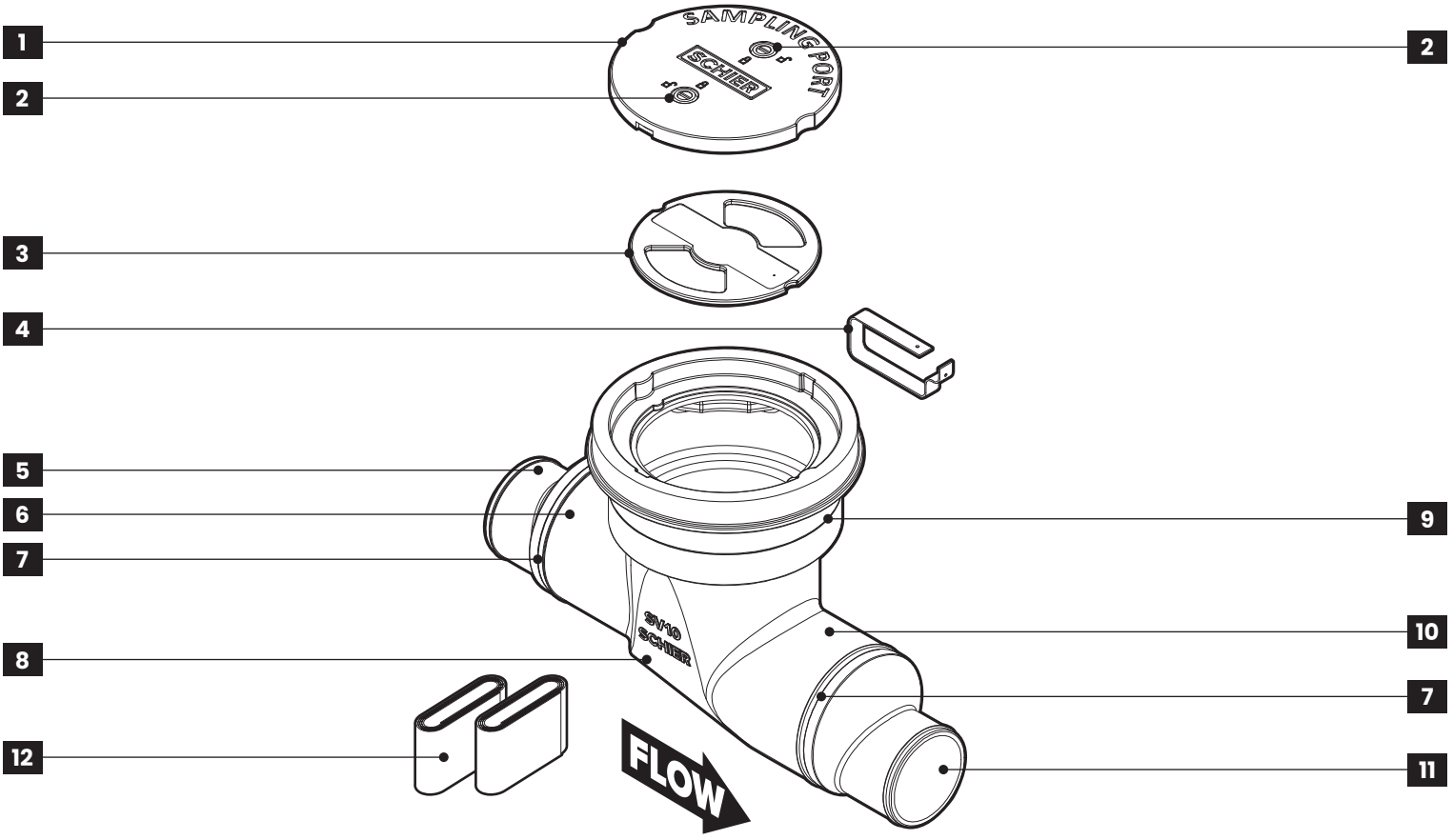


Contents

SCHIER

Part #: 8065-001-01
Find these instructions online at: schierproducts.com/sv10

GETTING TO KNOW THE SV10



1. Polyethylene Cover with Gasket
2. Quarter-Turn Camlock Cover Bolts (x2)
3. Safety Star
4. Safety Star Tether
5. 4" Plain End Inlet Connection
6. 6" Plain End Inlet Connection
7. 6" Connection Cut Line (x2)
8. Sampling Port Body
9. Riser Cut Line
10. 6" Plain End Outlet Connection
11. 4" Plain End Outlet Connection
12. 2" x 33" Butyl Mastic Tape Roll (x2)

ON THE FLOOR INSTALLATION

Special Precautions

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

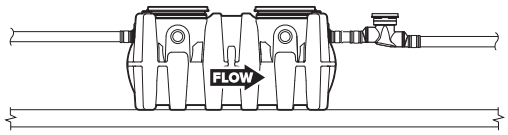
⚠ CAUTION! Do not install this unit in any manner except as described in these instructions.

1

☐ **Read all instructions before installation** ☐ **Install in conformance with all local codes**

2

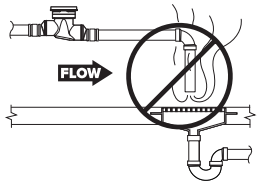
Install sampling port as close as possible to and downstream from interceptor being served



3

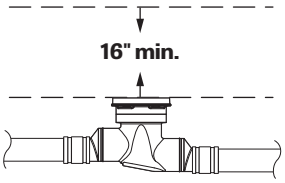
ODOR ALERT!

Do not install air gap on outlet side of sampling port.



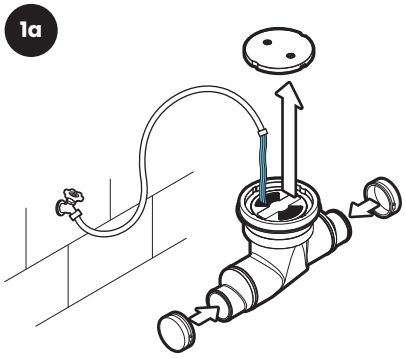
4

Provide at least 16" clearance above unit for routine maintenance.



1 Test sampling port for water tightness

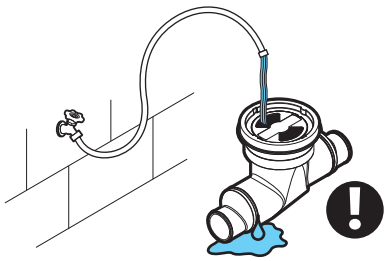
1a



For base unit testing, cap both connection points with 4" flexible PVC caps. Remove cover and fill with water to just above the highest connection.

Inspect unit and connections for leaks. Check water level at specific time intervals per local code.

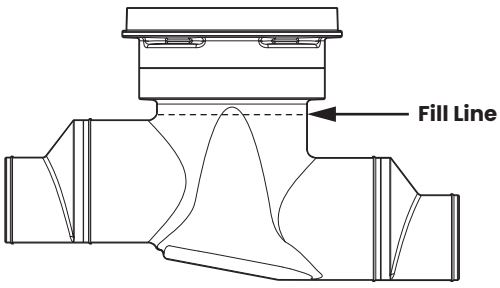
1b



Have a Leak?

Call customer care at 913-951-3300
Hours 8am-5pm CST, M-F

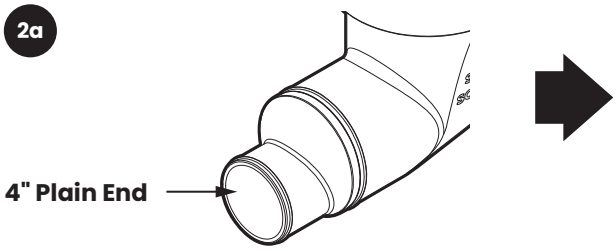
SIDE VIEW



ON THE FLOOR INSTALLATION

2 Connect Piping

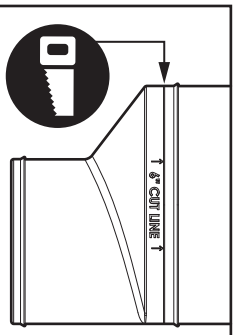
2a



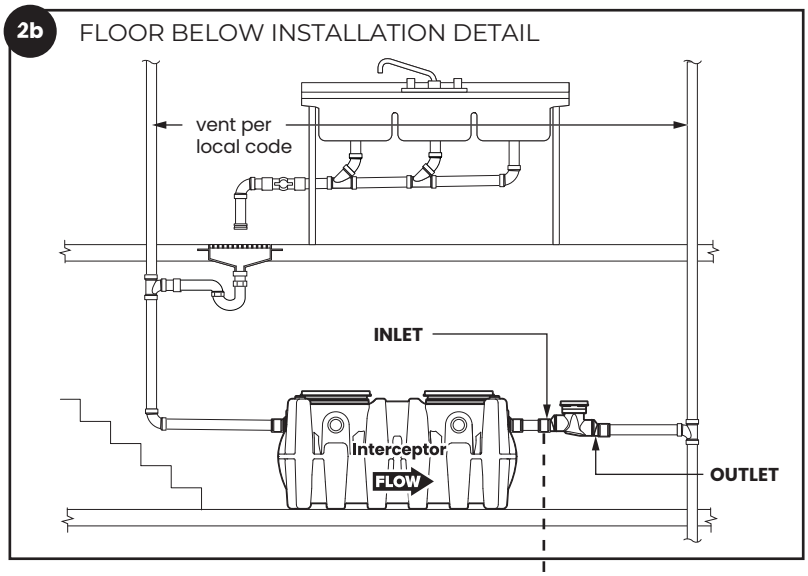
The SV10 sampling port comes from the factory ready to connect to 4" drain lines.

6" Connections Only

Cut off the 4" connections at the premarked cut lines. Remove any burrs from the cut.



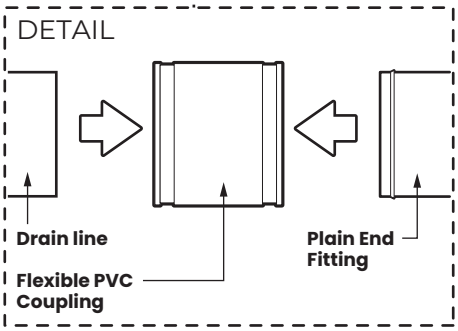
2b FLOOR BELOW INSTALLATION DETAIL



Mechanically couple inlet and outlet drainage lines to unit.

IMPORTANT! Make sure the sampling port is correctly aligned. The SV10 outlet is 2" lower than the inlet to facilitate sample retrieval and comply with local codes. **DO NOT install backwards as doing so will result in improper drainage slope.**

Do not solvent weld. Vent per local code.



3 Wet or Air Test Piping Per Local Code

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

Leak? Call customer care at 913-951-3300
8a – 5p M – F CST

BURIED INSTALLATION

Special Precautions

WARNING! DO NOT AIR TEST UNIT OR RISER SYSTEM!
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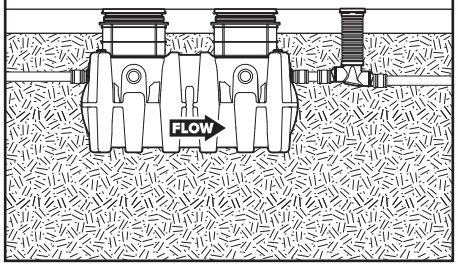
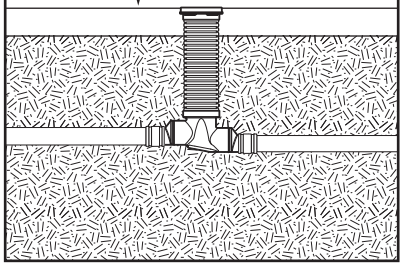
CAUTION! Do not install this unit in any manner except as described in these instructions.

1 ☐ **Read all instructions before installation** ☐ **Install in conformance with all local codes**

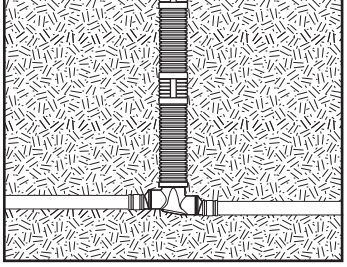
2 **Install sampling port as close as possible to and downstream from interceptor being served**



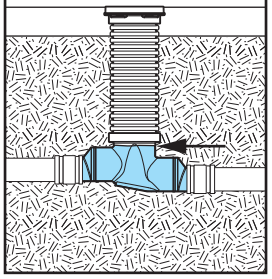
3 **Provide at least 16" clearance above unit for routine maintenance.**



4 **3 Risers (97") Max**

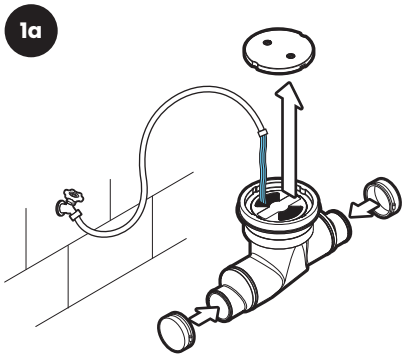


5 **Max Water Level** Risers are not designed to retain water



1 Test sampling port for water tightness

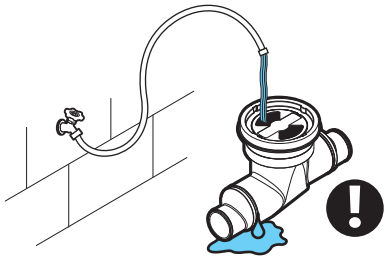
1a



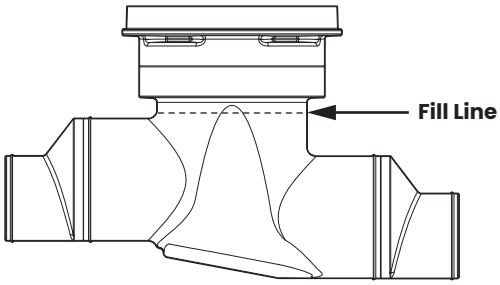
For base unit testing, cap both connection points with 4" flexible PVC caps. Remove cover and fill with water to just above the highest connection.

Inspect unit and connections for leaks. Check water level at specific time intervals per local code.

1b



SIDE VIEW



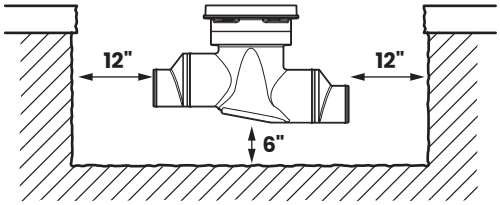
Have a Leak?

Call customer care at 913-951-3300
Hours 8am-5pm CST, M-F

BURIED INSTALLATION

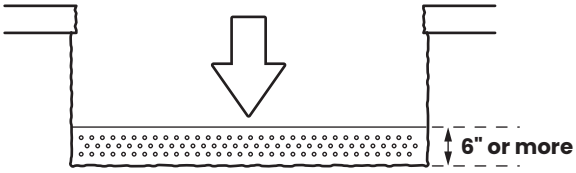
2 Excavate Burial Pit

2a



Excavate hole at least 12" larger than sampling port on all sides and 6" deeper than port bottom.

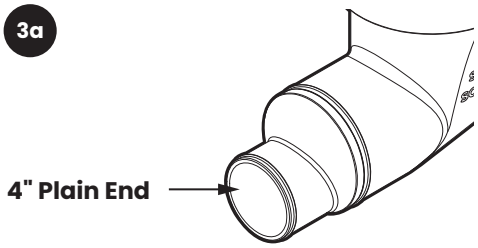
2b



Lay a level bed of well-packed, crushed aggregate (approximately 3/4" size rock or sand, with no fines) in the base of hole.

3 Connect Piping

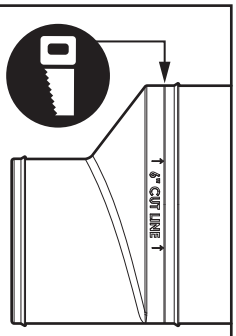
3a



The SV10 sampling port comes from the factory ready to connect to 4" drain lines.

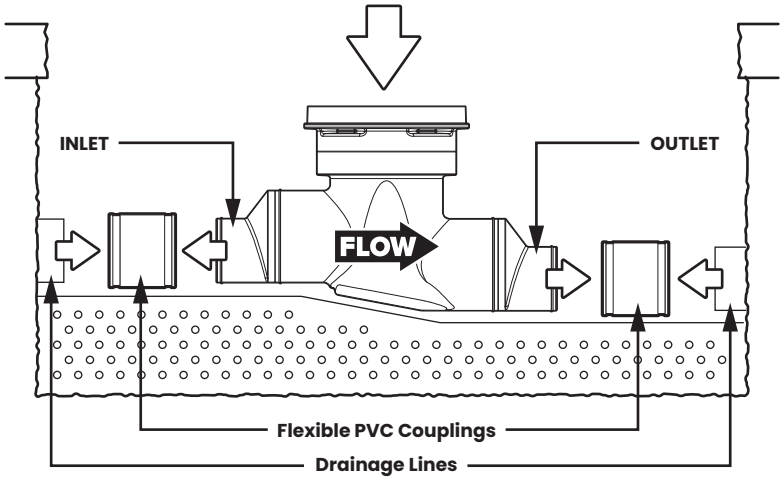
6" Connections Only

Cut off the 4" connections at the premarked cut lines. Remove any burrs from the cut.



3b

3b1



Lower unit into pit and set level. Mechanically couple inlet and outlet drainage lines to unit.

IMPORTANT! Make sure the sampling port is correctly aligned. The SV10 outlet is 2" lower than the inlet to facilitate sample retrieval and comply with local codes. **DO NOT install backwards as doing so will result in improper drainage slope.**

Do not solvent weld. Vent per local code.

4 Wet or Air Test Piping Per Local Code

WARNING! DO NOT AIR TEST UNIT OR RISER SYSTEM!
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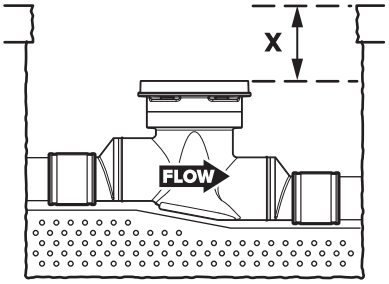
Have a Leak? Call customer care at 913-951-3300
Hours 8am-5pm CST, M-F

5 Bring Cover Flush-to-Grade

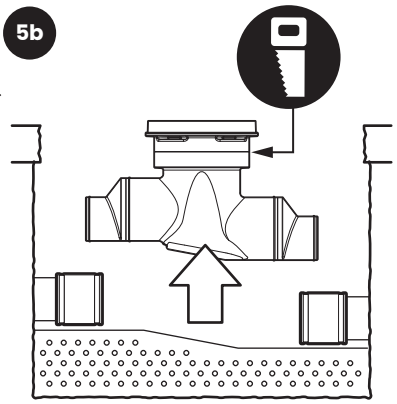
The SV10 is ready for burial depth of 14-1/2" from finished grade to bottom of unit (or 10-1/4" to centerline of inlet, 12-1/4" to centerline of outlet). Deeper burials will require adding a risers.

5a Measure dimension X to determine riser height needed.



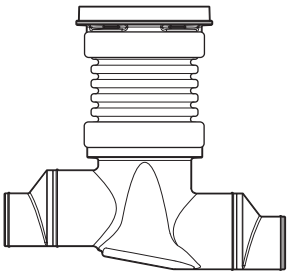
Riser Height Needed	Risers Required
>0" - 31"	FCR10
>31" - 64"	FCR10 (x2)
>64" - 97"	FCR10 (x3)

5b



Disconnect the SV10 and remove it from the burial pit. Cut the SV10 at the Riser Cut Line, freeing the cover adapter from the sampling port body.

5c1 **Install Schier Riser(s) FCR10**

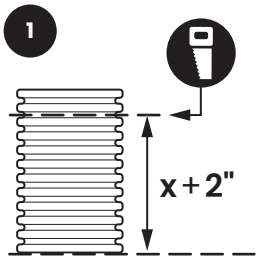


See instructions included with FCR10 for installation details.

OR

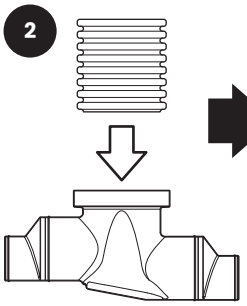
5c2 **Install Your Own Riser.** The SV10 is designed to accommodate any non-perforated, 8" nominal diameter drain pipe for riser use. Sch. 40 PVC or corrugated drain pipe is recommended.

1



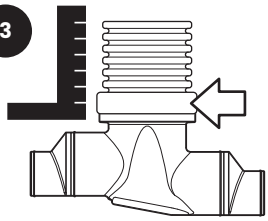
Cut riser to a length **2" longer** than the riser height needed.

2



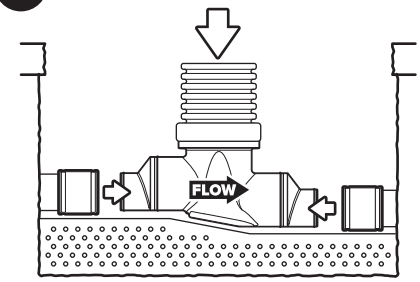
Insert Riser into SV10 Body.

3



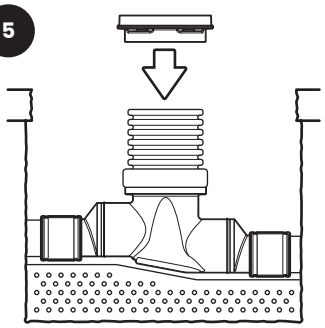
Use 1 piece of the provided butyl mastic tape to secure the riser joint. Make sure joint is completely sealed and riser is aligned square to the SV10 Body.

4



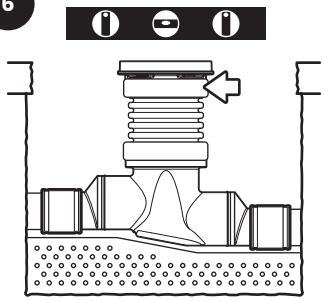
Return the SV10 to the burial pit and reconnect the drain lines

5



Place the cover/cover adapter onto the top of the riser and check to see if flush with grade. If too high, remove cover and trim riser as needed.

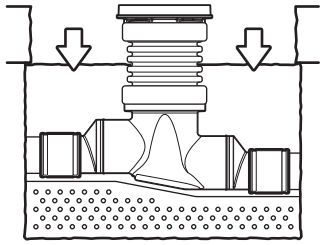
6



Secure cover/cover adapter using the other piece of the provided butyl mastic tape. Make sure joint is completely sealed and cover is level and flush-to-grade.

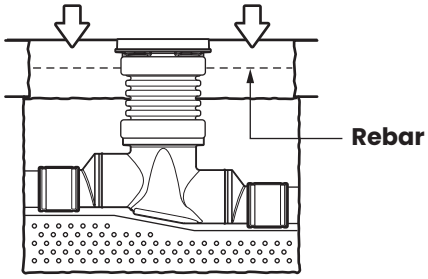
6 Backfill and Finished Grade

6a



Backfill evenly around tank using crushed aggregate (approximately 3/4" size rock or sand with no fines) or flowable fill. **Do not compact backfill around unit.**

6b



Pour concrete slab to finished grade.

6b1

Vehicular Traffic Areas:
Minimum 8" thick concrete slab with rebar required. Thickness of concrete around covers to be determined by specifying engineer. If traffic loading is required the concrete slab dimensions shown are for guideline purposes only. Concrete to be 28 day compressive strength to 4,000 PSI. Use No. 4 rebar (ø 1/2") grade 60 steel per ASTM A615: connected with tie wire. Rebar to be 2-1/2" from edge of concrete and spaced in a 12" grid with 4" spacing around access openings.

Pedestrian Traffic or Greenspace Areas:
Minimum 4" thick concrete slab with rebar required.