Connection Vault

Tools Required

- Soft-flame torch
- Abrasive cloth
- Hand saw
- Mastic tape

Installation

Use the following steps to install the Connection Vault.

1. The unique design of the Connection Vault makes it perfect for burial underground. Locate an area that allows easy access in the event of future excavation (modifications or inspection). Position the Connection Vault in the trench to achieve proper pipe alignment.

Note: If being installed in area of high water table, install and secure a concrete anchoring pad below the vault.

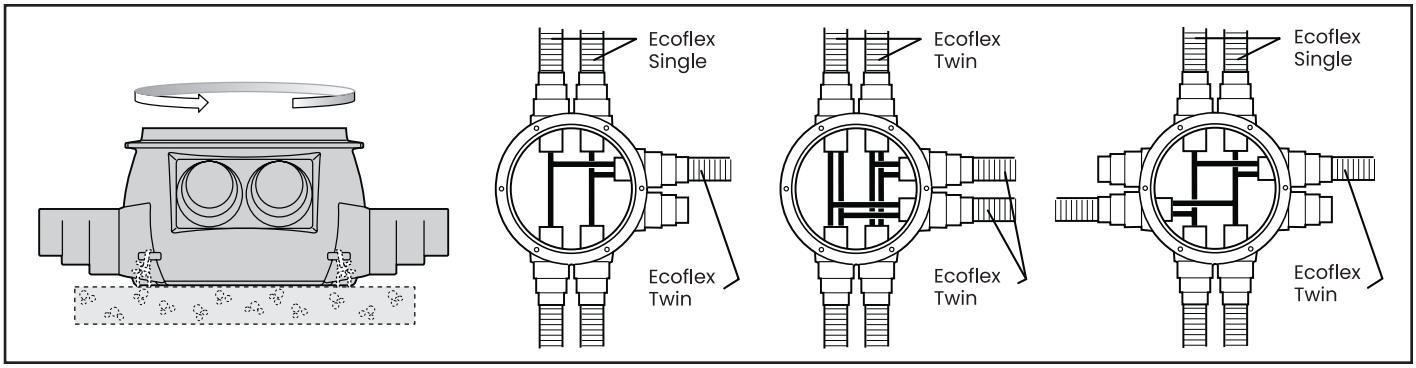

Figure 4-52: Locate and position the Connection Vault

2. Using a hand saw, cut away end of the outlet suitable for the outside diameter of the Ecoflex jacket — only cut what is necessary to ensure a full-sized opening — typically ½" (see **Figure 4-53**).

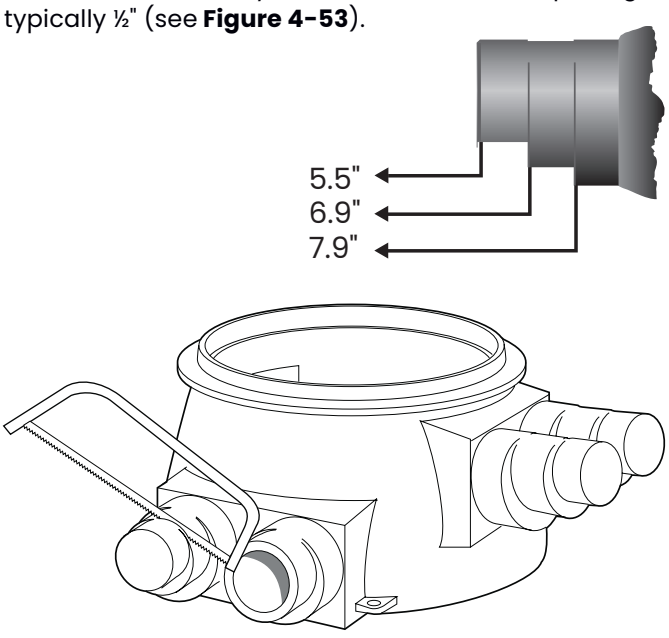

Figure 4-53: Cut the outlet

3. Install the Rubber End Cap and Male Adapter Fitting before installing into the Connection Vault. Slide the Connection Vault Heat Shrink Sleeve over the pipe before sliding into outlet opening.

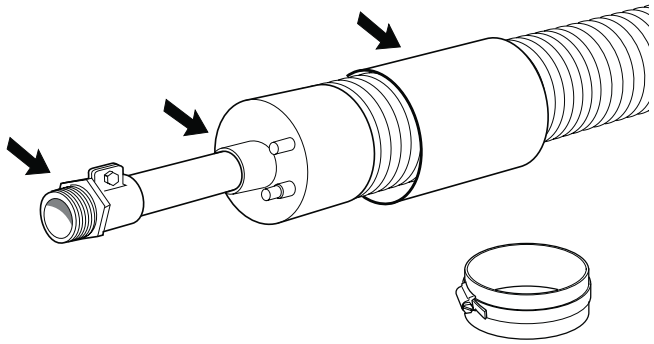

Figure 4-54: Prepare the pipe

4. Insert all pipes into the Connection Vault and make all service pipe connections, as shown in **Figure 4-55**; then perform a pressure test.

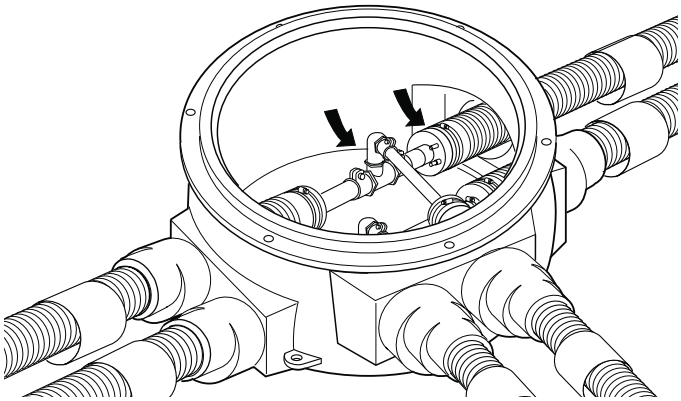

Figure 4-55: Final connections

Important: Pressure test the connections before proceeding.

5. Using an abrasive cloth, lightly sand the surface of the Connection Vault and corresponding pipe jacket to provide a rough surface for proper adhering.

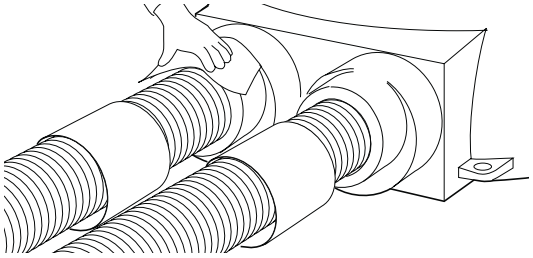

Figure 4-56: Lightly sand connection Vault surface

6. Apply mastic tape to the pipe 2" from the vault outlet. Using a soft-flame torch, preheat the vault outlet, being careful not to overheat.

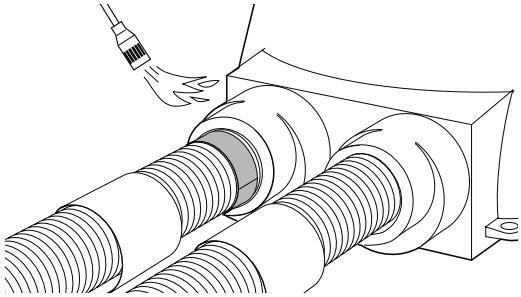

Figure 4-57: Apply mastic tape

Caution: Keep flame in constant motion. Do not overheat.

7. Remove the protective backing from the Heat Shrink Sleeve and slide over the Wall Sleeve at least 4". Using a soft-flame torch, evenly apply heat to the heat shrink sleeve only on the Connection Vault outlet.

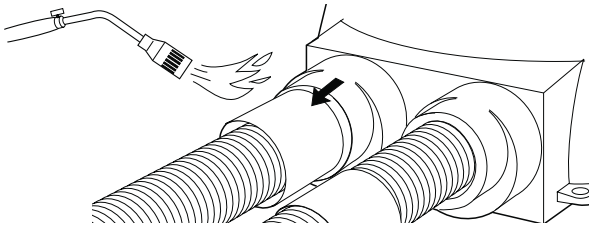

Figure 4-58: Secure Heat Shrink Sleeve

8. Wait five minutes for the seal to cool. Secure Heat Shrink Seal to pipe jacket following the same procedures as in Step 7.

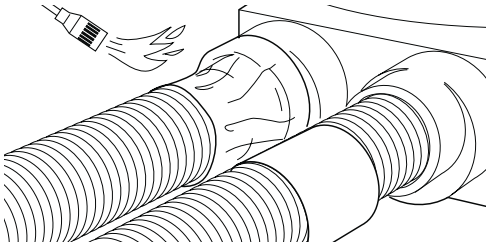

Figure 4-59: Heat Shrink Seal

Caution: Keep flame in constant motion. Do not overheat.

9. Clean the rubber lid gasket, ensuring it is free from dirt and debris. Secure lid. Manually place backfill around the Connection Vault. Be careful not to damage the Heat Shrink Seal connections. Verify that the Connection Vault remains in position during the backfill. Compact the soil in layers of 8" to 12". Do not use mechanical compaction directly over the Connection Vault lid.

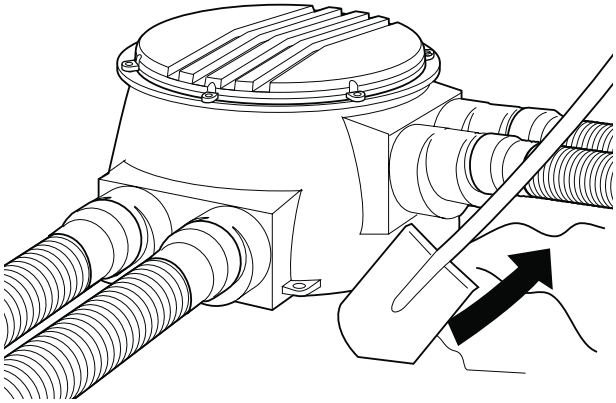

Figure 4-60: Protecting the Connection Vault

Note: Protect the Connection Vault from traffic loads with a concrete slab. If a load-distributing slab is not used, a Connection Vault covered with 20" of sand will withstand an occasional momentary load of 6,600 lbs. (e.g., a tractor passing over). The maximum stationary load permitted is 1,100 lbs. (e.g., a car parked above).