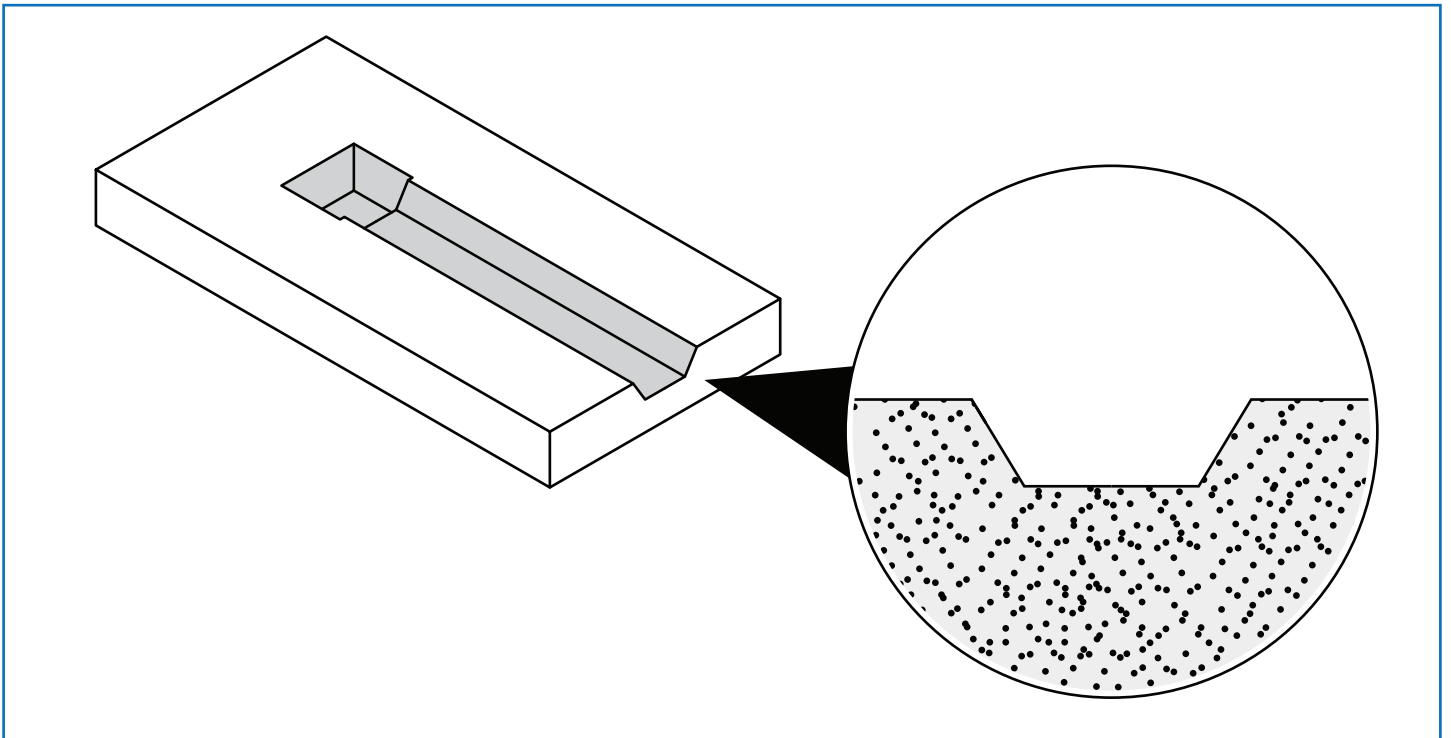


INSTALLATION GUIDE

1. All bolt heads are 9/16" hex.
2. It is very important to maintain the spacing of the slot in your drain. Place a 3/4" wide thick board in the opening before pouring the concrete. 1/2" For residential Style Drains.
3. The trench should be dug exceedingly large to allow for pouring at least 6" of concrete around your drain.
4. Lay the sections out in the correct sequence before assembling. Letters in the end flanges should match up and bolt to the same letter end flange, beginning with the end section, which is at the opposite end of the sump basin.
5. The adapter plate fits between the deepest (last letter sequence) section end flange and the sump mounting flange.
6. After setting and staking the drain, it is recommended to pour concrete up to the bend line level, as shown in step 11.
7. Use a pencil vibrator to eliminate voids and air pockets in the concrete around the features of the floor drain assembly.

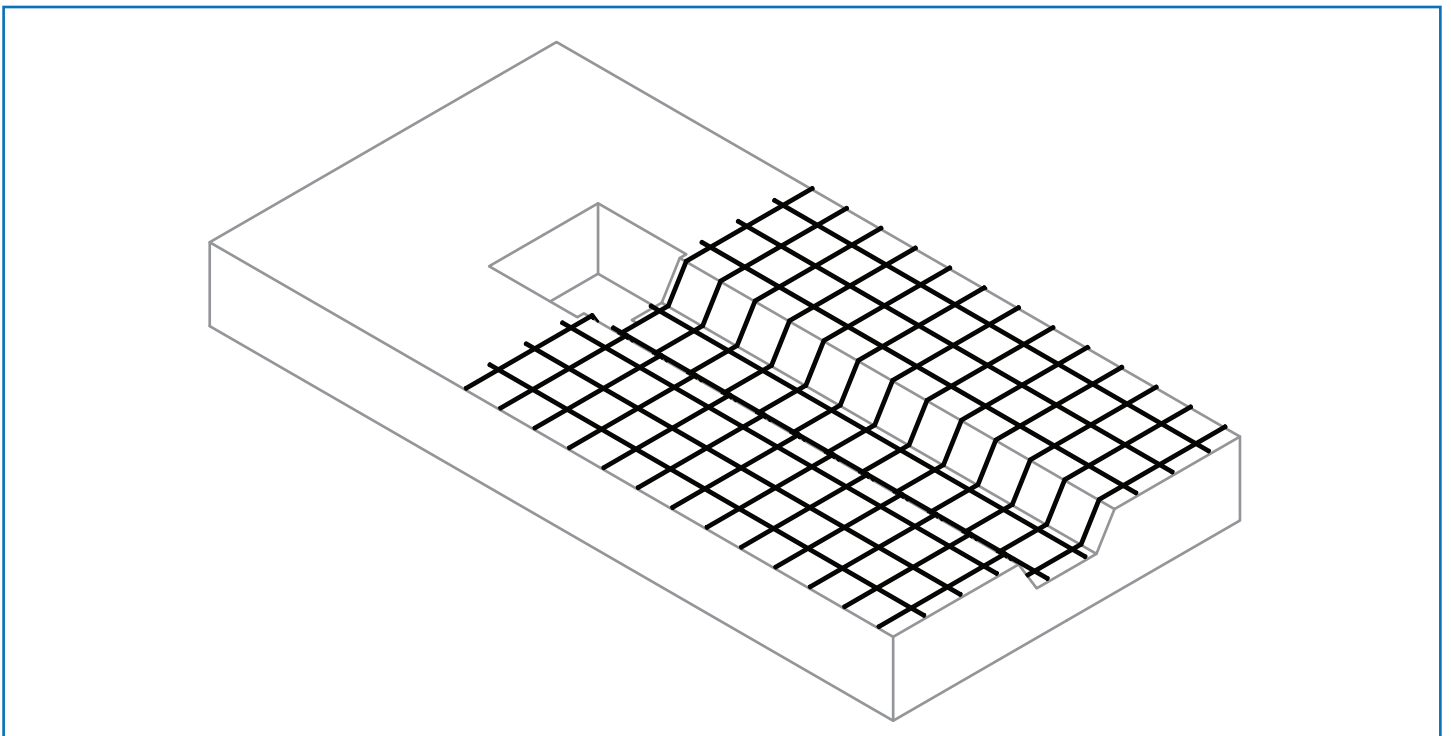
1. Excavate the Trench

Dig a trench that provides at least 6 inches of clearance around the drain for proper concrete coverage.



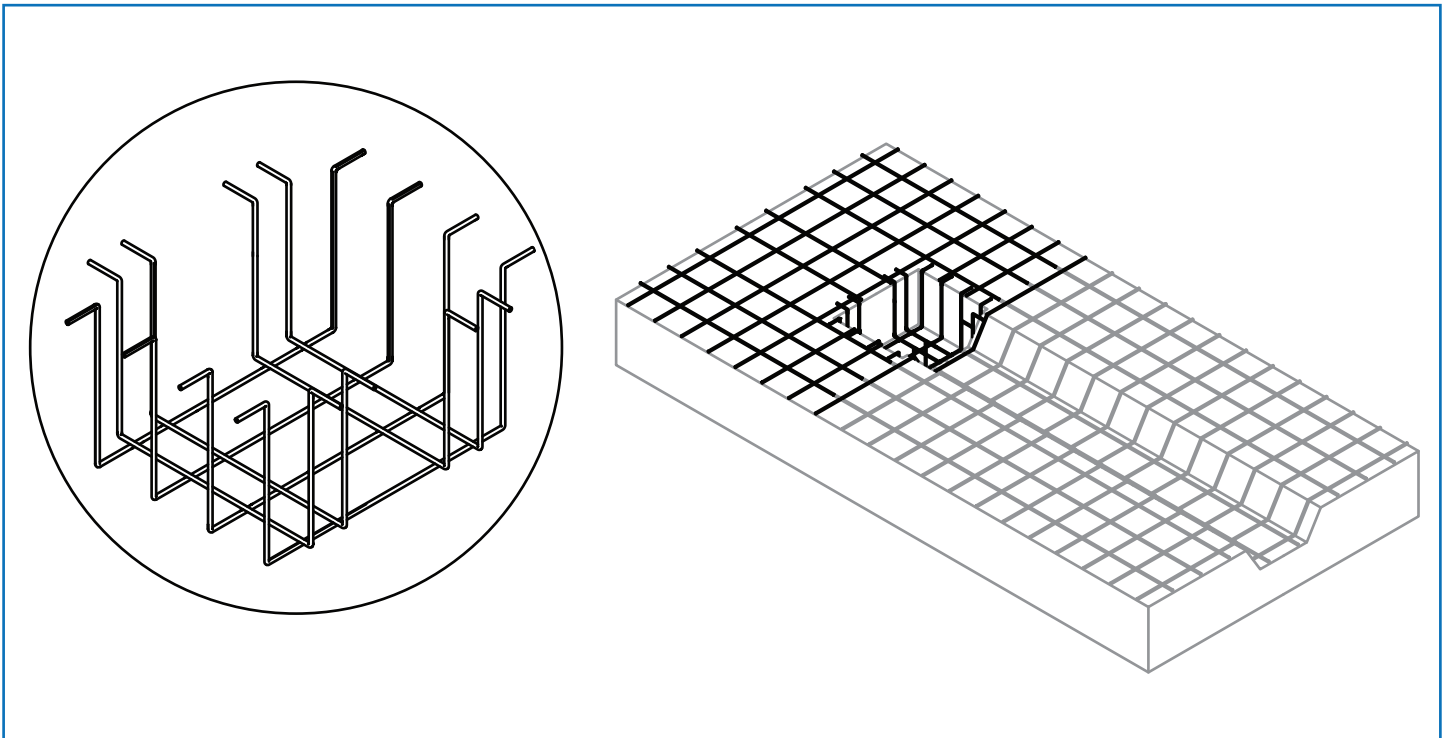
2. Install Rebar for Reinforcement

Lay down rebar in the trench to reinforce the concrete structure.



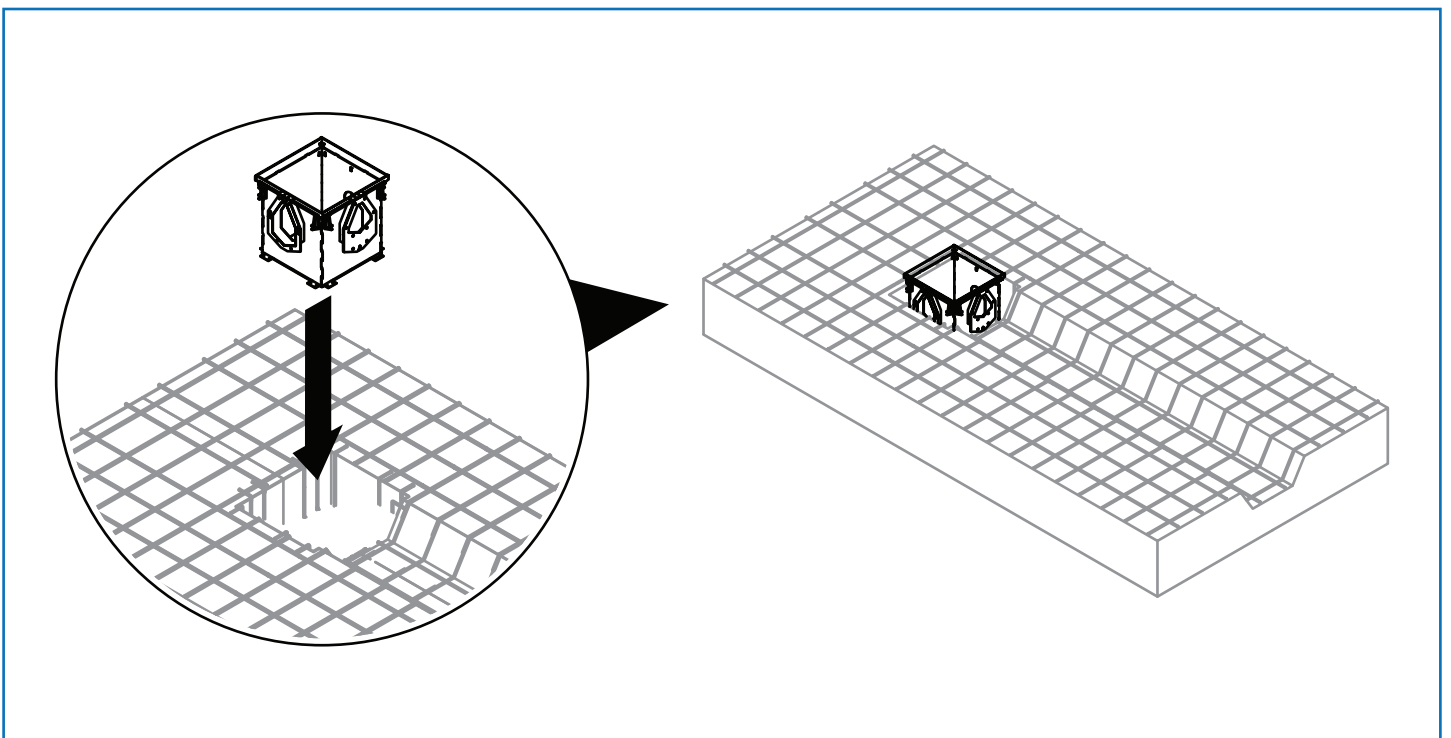
3. Reinforce Concrete Around the Sump & Trough

It is recommended to build a cage that surrounds the sump basin and trough.



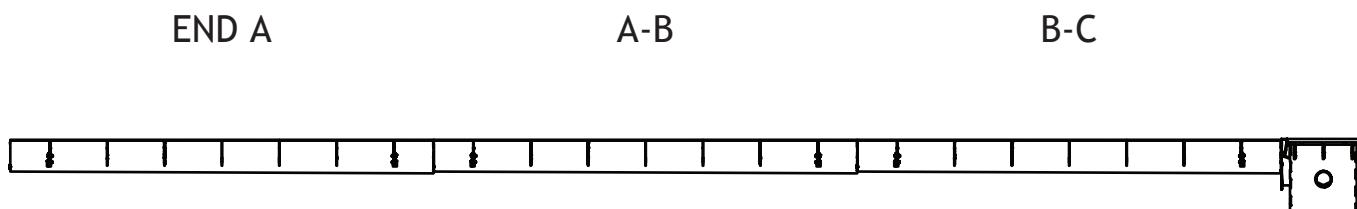
4. Install Catch Basin

Install the catch basin and peg it down and pour concrete around the base.



5. Place Drain Sections and Assemble the Troughs

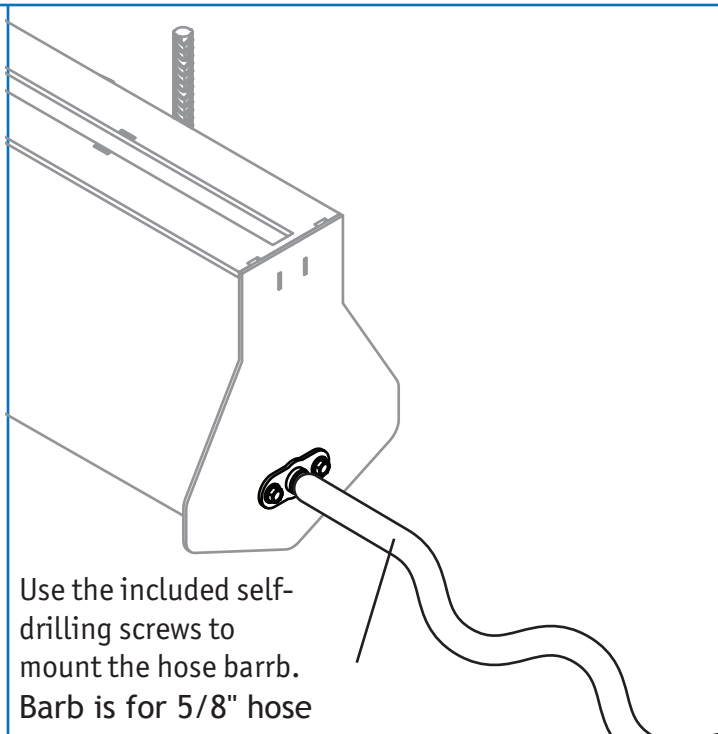
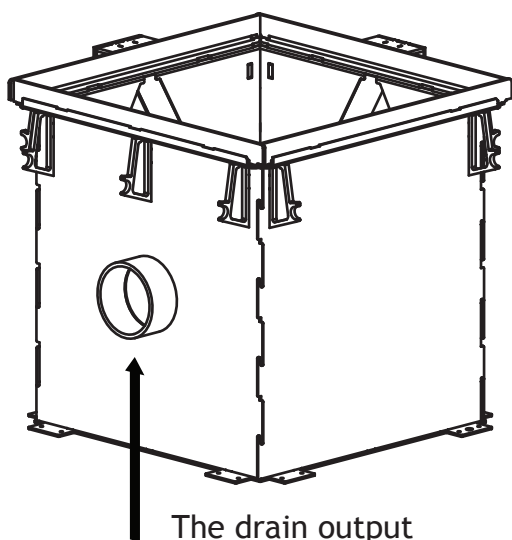
Lay the sections out in the correct sequence before assembling. Letters in the end flanges should match up and bolt to the same letter end flange, beginning with the A section end, which is at the opposite end of the sump basin. Do not bolt the trough sections to the sump yet.



6. Connecting the Plumbing

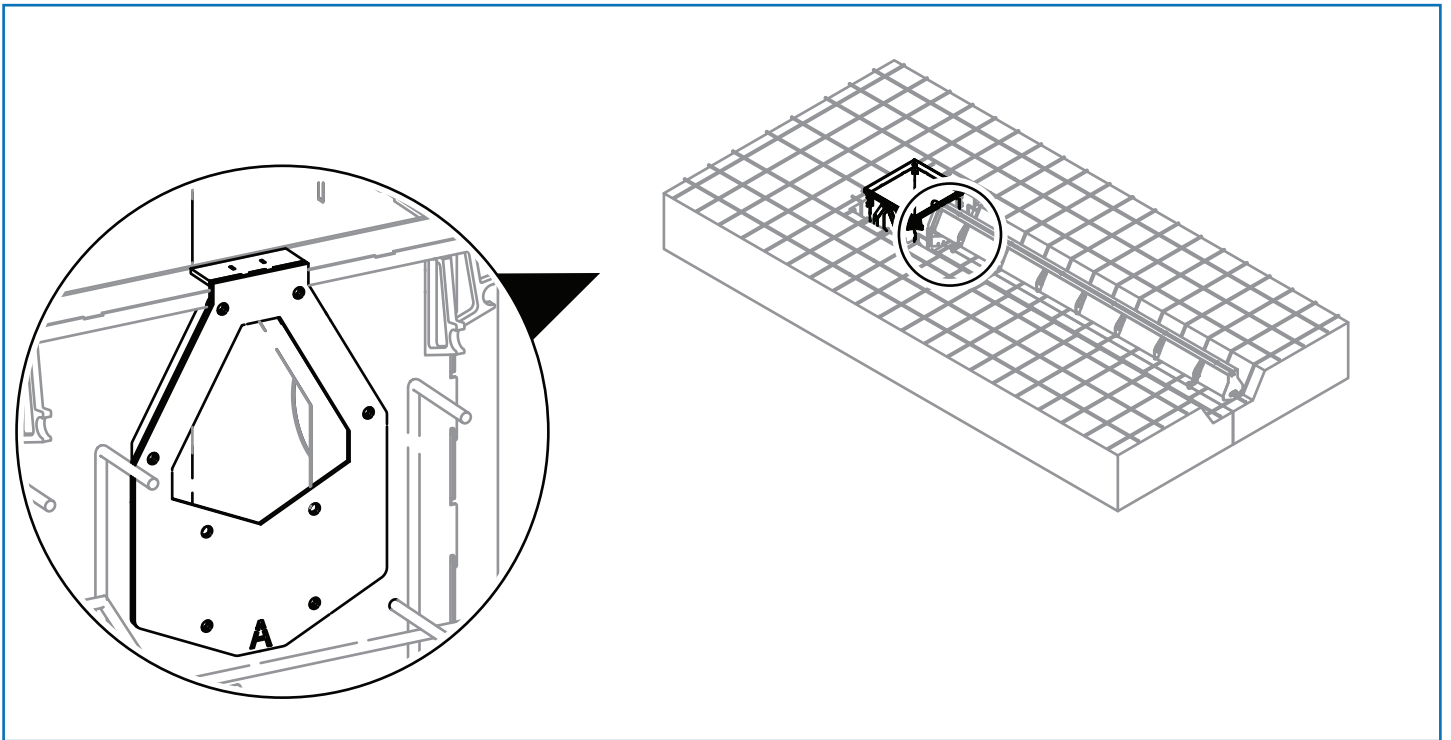
It is important to mention to follow all local plumbing codes and laws. ABS Plumbing material, all drain outputs are 4.5", trough and drains are 14ga material.

Plumbing connections can also be done after drain installation is complete.



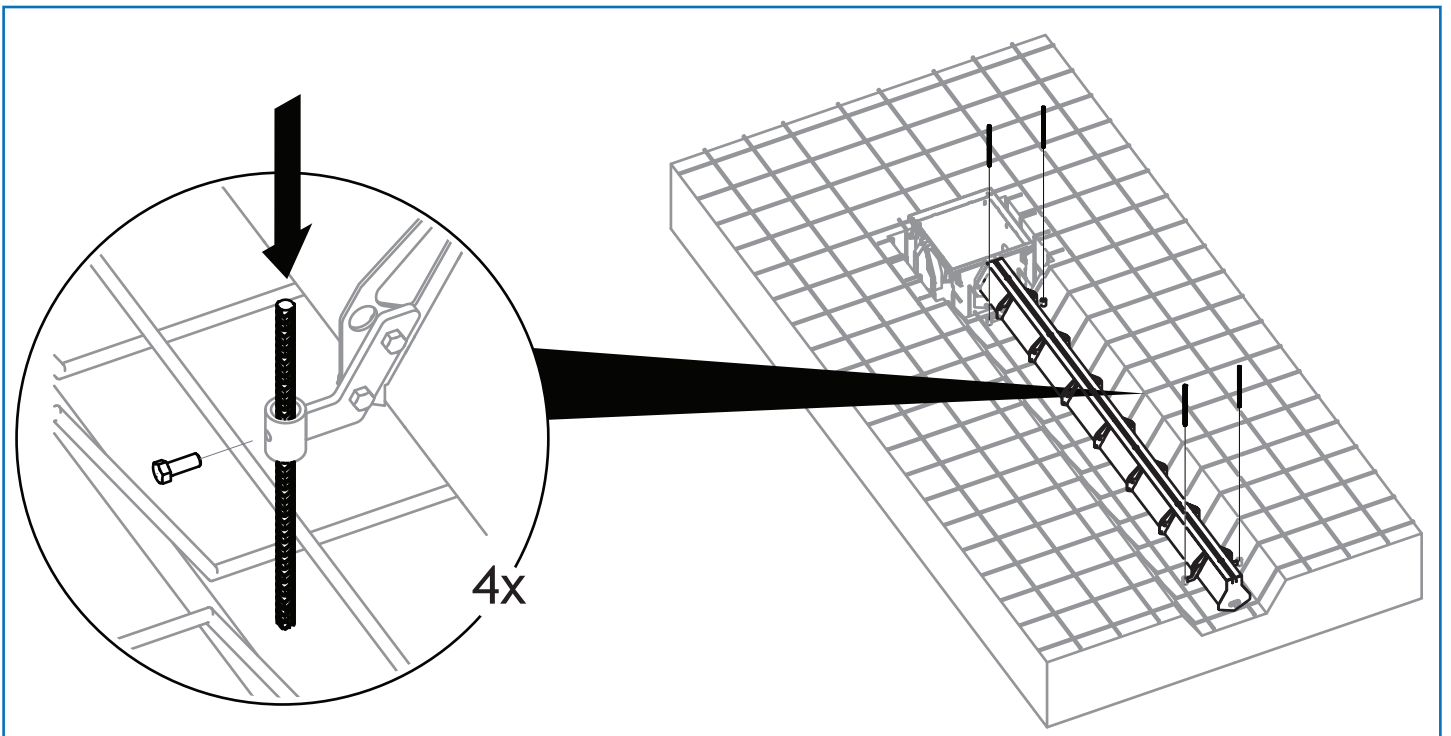
7. Secure Drain Connections

Securely fasten drain to the underground piping. Adapter Plate goes between sump mount flange and trough end flange.



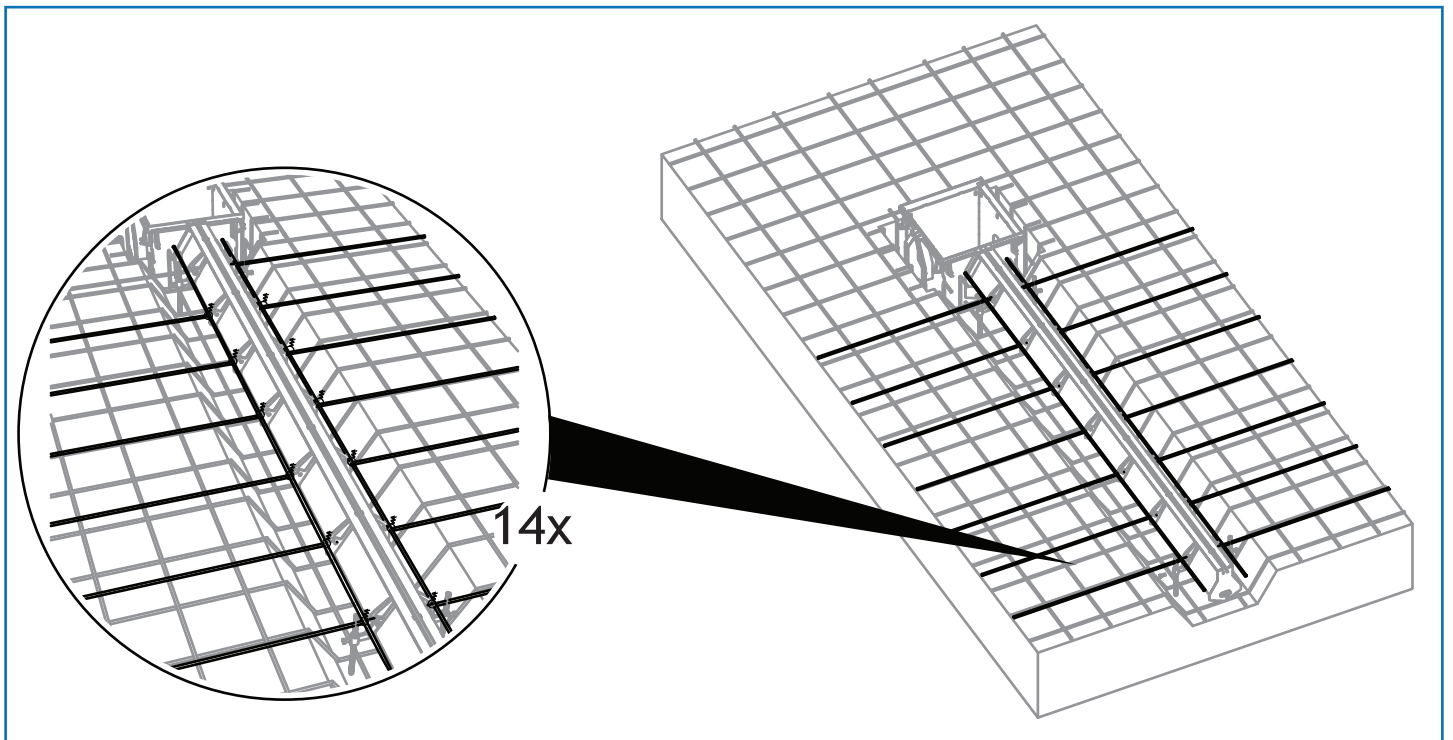
8. Adjust Drain Height

Use the built-in leveling points and threaded rods to adjust the drain sections to the correct height.



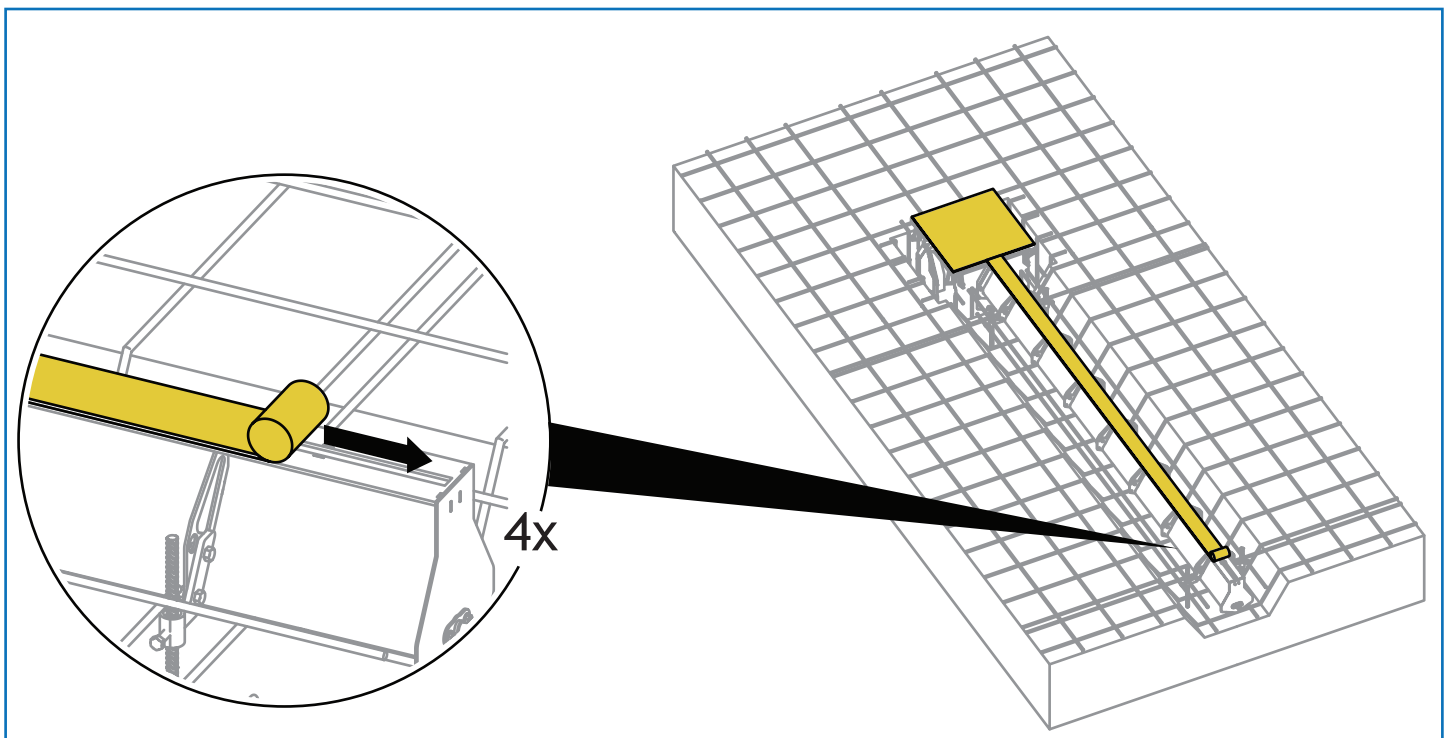
9. Tie Rebar to Drain Structure

Rebar must be securely tied to the connection points on the sides of the trough to ensure proper structural integration with the concrete pour.



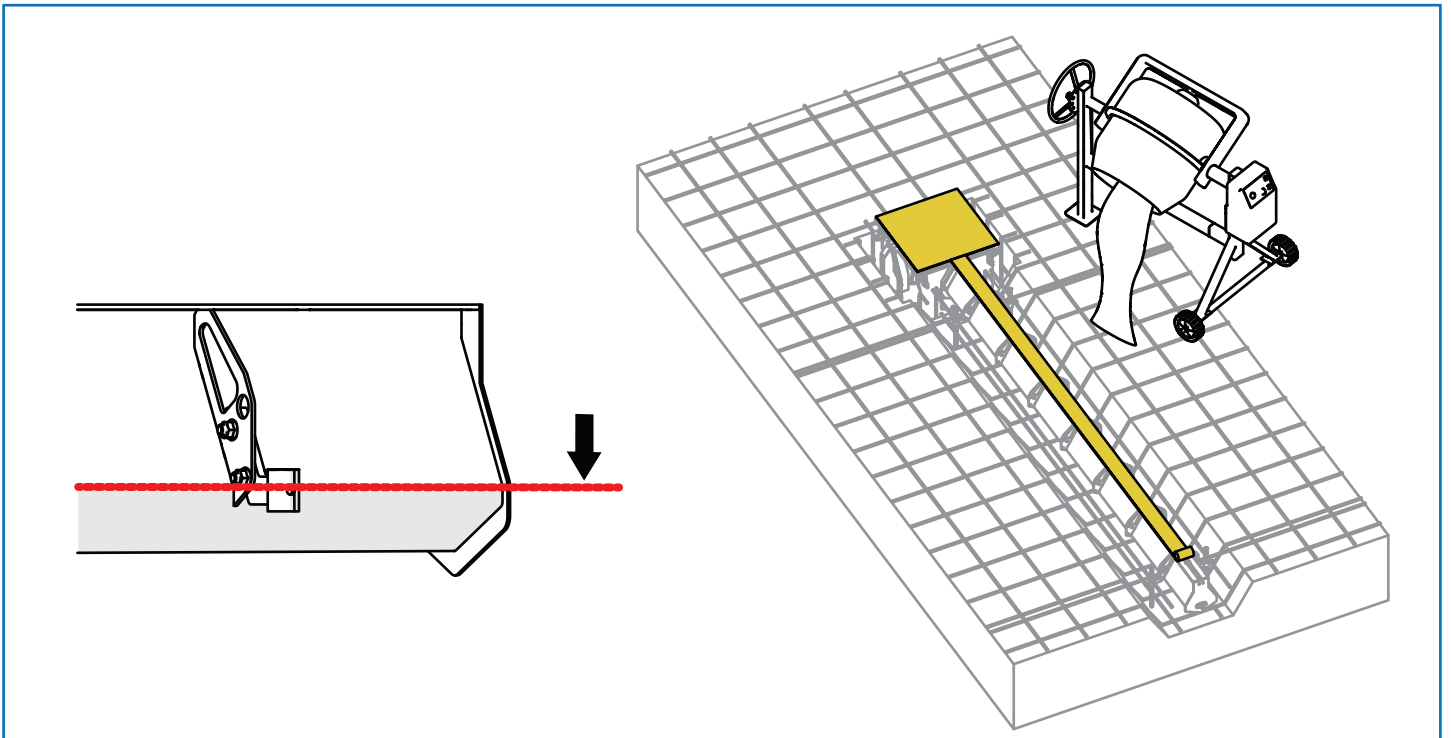
10. Seal Drain Slot Openings

Tape over the slot opening to prevent concrete from entering before pouring.



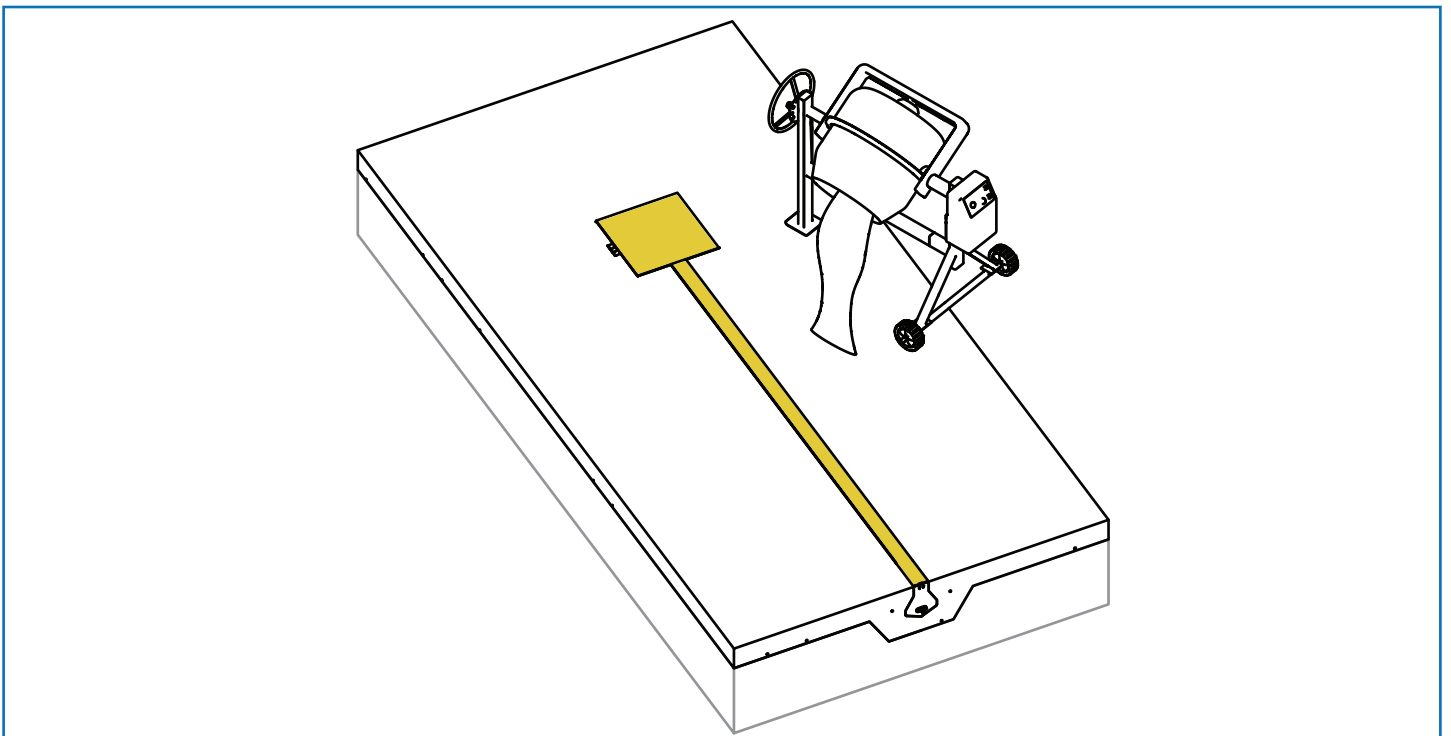
11. Perform First Concrete Pour

Do the first concrete pour in small areas to anchor the drain and prevent it from floating. Cover sump base and rebar stakes up to first trough bend.



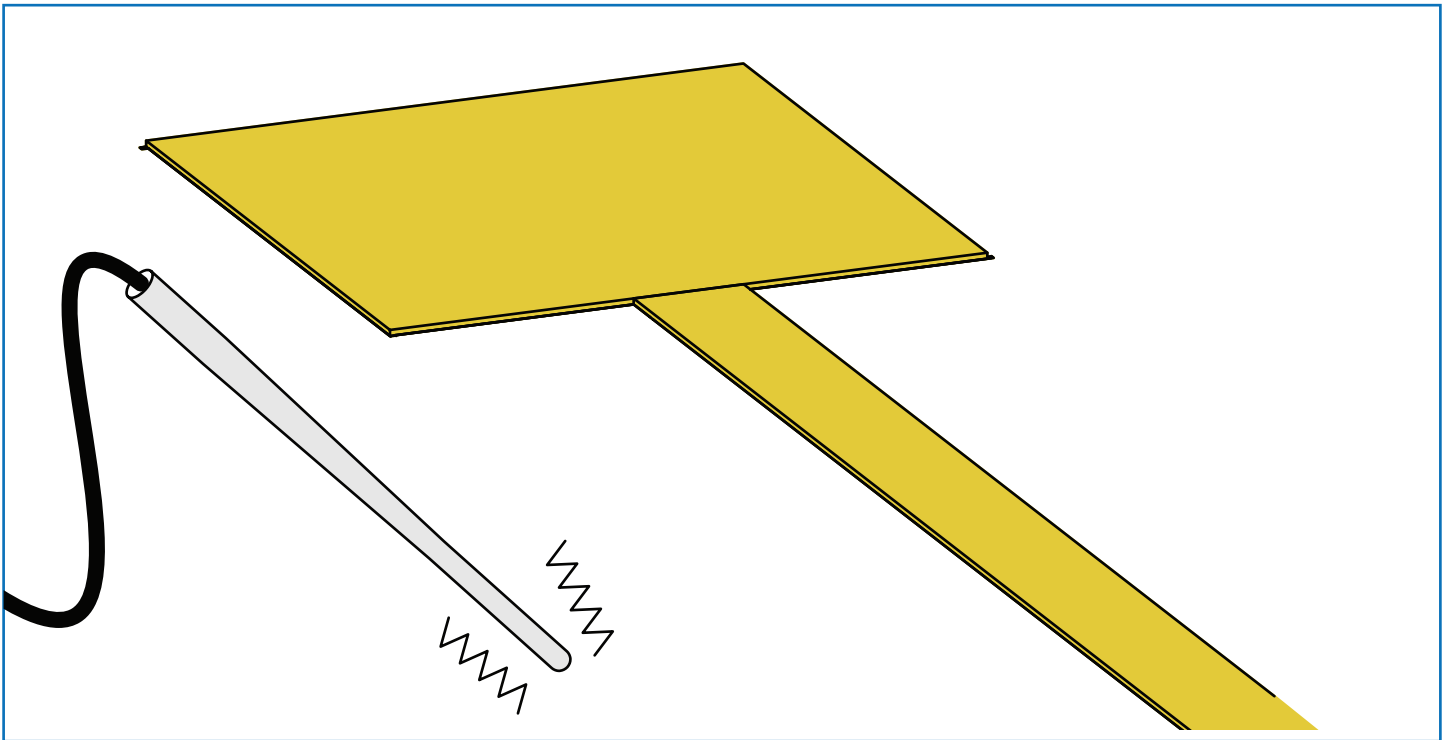
12. Complete Second Concrete Pour

Proceed with the second concrete pour to fully encase the drain and finish the surrounding floor.



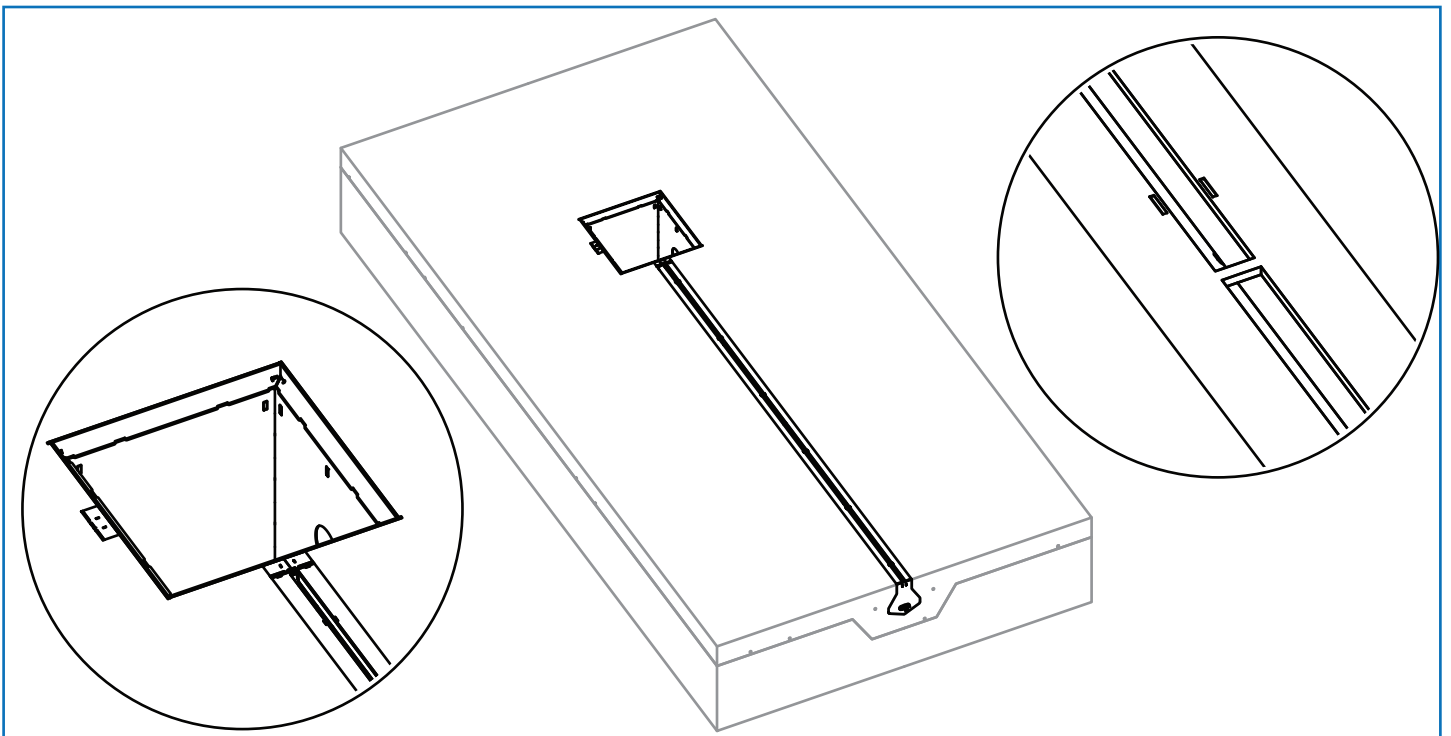
13. Ensure Good Results

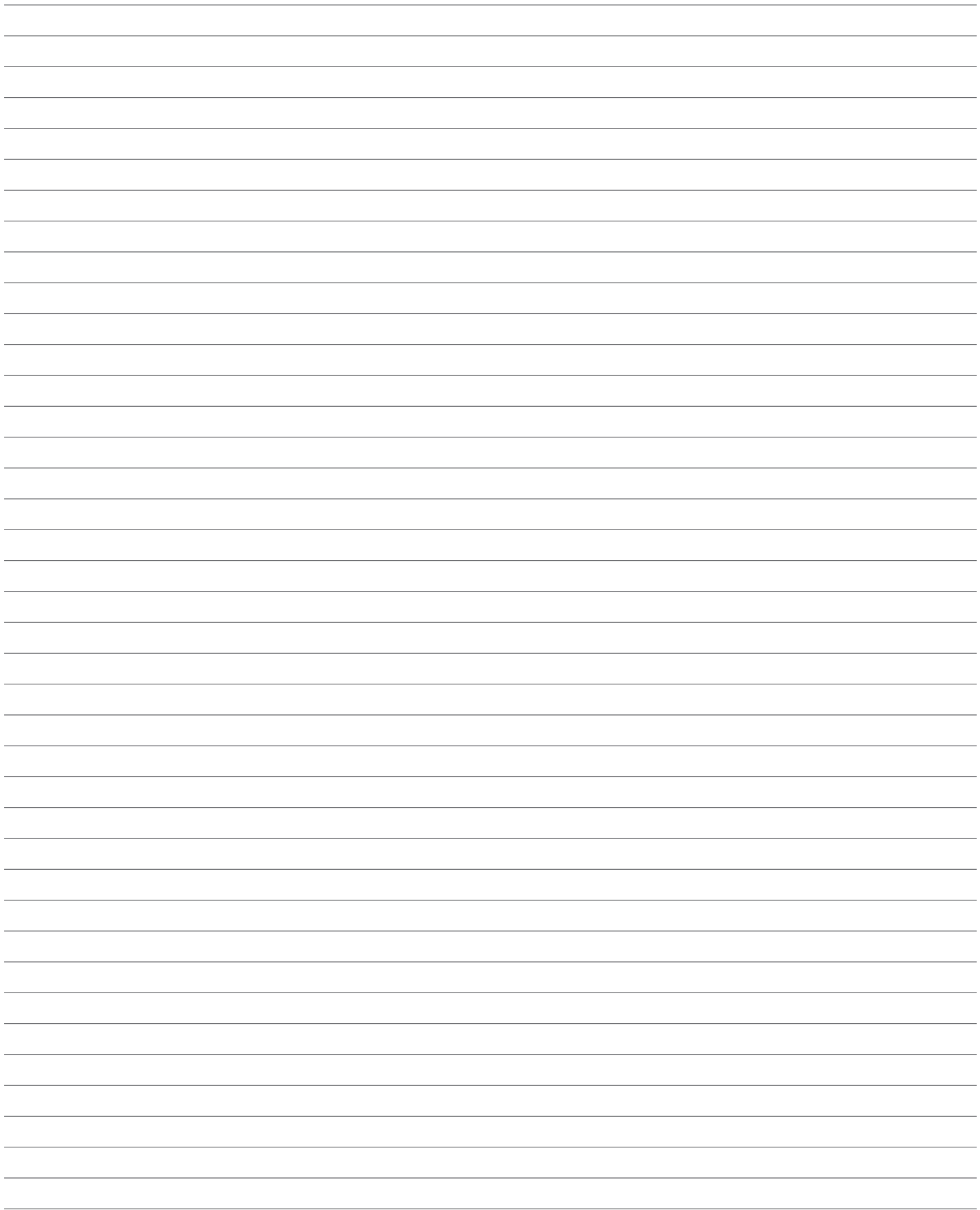
Use a pencial vibrator to ensure that no voids or air bubbles are around your drain. Especially below the top flange.



14. Final Cleanup and Finishing

Remove the tape and any spacer tabs from the drain slot once the concrete has set.







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