



# TOP 5 MISTAKES WHEN DESIGNING A BURIED CONCRETE PIPE

Designing a buried pipe? Be sure to avoid these common—and potentially costly—mistakes.

**#1**

## RELYING ON THE INSTALLATION MORE THAN THE PIPE

*#ProTip: No standard pipe? No worries. Work with a manufacturer for customized pipe.*

**#3**

## USING DIRECT VS. INDIRECT DESIGN

*#ProTip: If you can't find reinforcement values in C76/M170, then perform a direct design.*

**#4**

## OVERLOOKING PIPE JOINT REQUIREMENTS

*#ProTip: Find guidance for pipe joints from the ACPA and AASHTO R 82's documents.*

**#2**

## BLINDLY USING FILL HEIGHT TABLES

*#ProTip: Verify the table's assumptions against your own and re-calculate, if necessary.*

**#5**

## CUT-AND-PASTING SPECIFICATIONS

*#ProTip: No two projects are the same. Start fresh or contact a producer or the ACPA for help.*

For more information, go to [concretepipe.org/design-apps](https://concretepipe.org/design-apps) to download Compare Flow and PipePac®.