



SIGN POST FOR CONCRETE INSTALLATION:

Drill or Coredrill 3" hole all the way through the concrete to the base material. With a temporary pipe 4 feet to 5 feet long, hand-tighten it into the insert (see Insert detail). Drive the insert into the base material at a level/plumb position, until the insert is flush with the top of the concrete. Now shim insert to a level/plumb position. Shims = different sizes of lag bolts or P.K. nails depend on level/plumb position of pipe. Also all shims must be set below the concrete/insert. Remove temporary pipe, replace with permanent pipe, tighten into insert with large pipe wrench until insert turns, then reset shims/or add shims until pipe no longer turns. Retighten pipe, recheck level/plumb/top of concrete with insert. Mix up a patch of Thorogrip® which is a waterproof anchoring cement for concrete. For the installation, Thorogrip should be mixed up in a liquid consistency, not a paste. Around the outside of the concrete hole, pour the Thorogrip until it is flush with the top of the insert. Recheck level/plumb/top of concrete with insert right away since Thorogrip is a fast-setting anchoring cement. May need to add more Thorogrip as it settles and no shims are showing when installation is complete. Installation needs to be level/plumb, solid and strong when completed.

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CITY OF MADISON
ENGINEERING DIVISION

**PIPE INSERT IN
CONCRETE FOR
SIGNING**

STANDARD DETAIL DRAWING # 6.41