



~ PLACEMENT OF ANCHORS ~

Anchors shall be installed as shown on figure above at 60° down from Top Dead Center (TDC) to the nearest inch measured from the outside. For pipe diameters not listed below, divide the circumference by 6.

Holes for anchors shall be drilled larger than the anchor bolt diameter specified in the table below to allow for anchoring materials.

ANCHOR PLACEMENT TABLE	
18" ϕ Pipes	60° from TDC = 12"
24" ϕ Pipes	60° from TDC = 15"
30" ϕ Pipes	60° from TDC = 19"
36" ϕ Pipes	60° from TDC = 22"

NOTES:

- 1. For new concrete pipe or pipe designated to be removed and reset, ties shall be used at the last two joints at each end unless otherwise specified in the construction notes. Ties shall not be used at catch basin locations.*
- 2. Ties shall be used only to hold pipe sections laterally together, not for pulling the pipe section together.*
- 3. Tie rods and connections shall be placed on the outside of all pipe sections unless otherwise directed.*
- 4. Tie rod shall be galvanized steel, including all hardware required. Any welded areas shall be treated with an approved galvanized paint. All welding shall meet current MaineDOT Specifications. Steel shall conform to ASTM A 307 or equivalent.*

CONCRETE PIPE TIES

Supersedes 603(10)