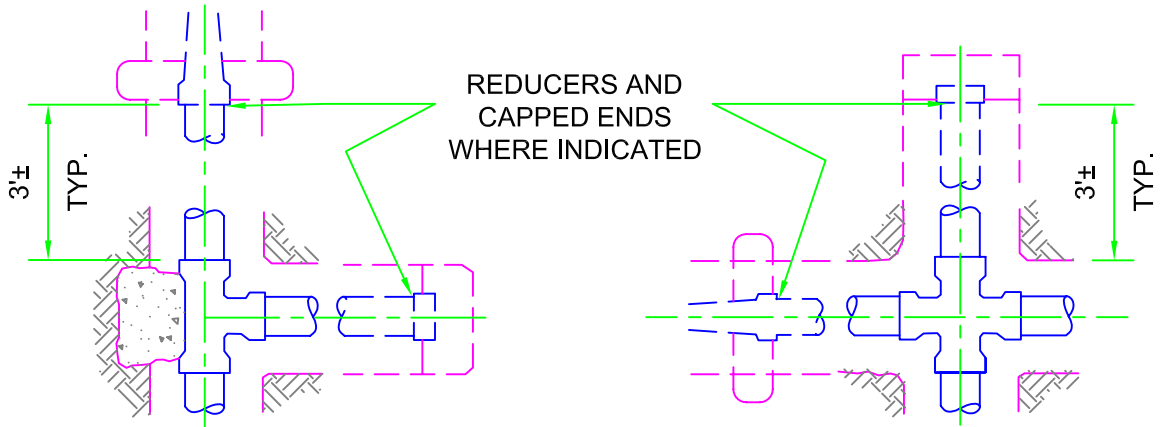


## Standard Plate Drawings

Not all of the Typical Water Plate Drawings are included here because several do not apply to the construction of non-potable mains and services. Only applicable drawings have been included as listed here and on the Camrosa web page for non-potable specifications.

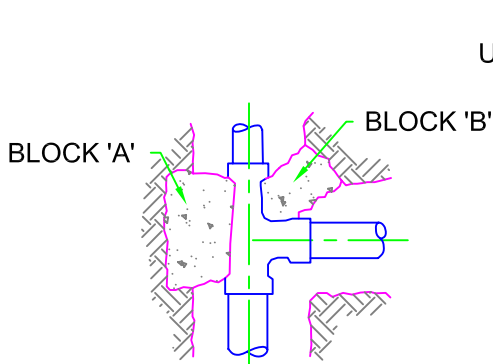
- W-1** Thrust Block Layouts for Typical Ductile Fittings
- W-2** Thrust Block Sizing for Horizontal Pressures
- W-3** Thrust Block Sizing for Reducers and Tees
- W-4** Thrust Blocks for Dead-end Ring-tite Pipe
- W-5** Thrust Blocks for Vertical Bends
- W-6** Thrust Block Sizing for Vertical Bends
- W-7** Concrete Protector Wall
- W-8** Anchor Wall Detail
- W-9** Slope Protection Detail
- W-10** Trench Sections for Pipe and Guard Post Detail
- W-11** Trench Section and Concrete Encasement Detail
- W-17** Welded Steel Pipe, Connections to PVC and DIP Details
- W-18** Mechanical Tapping Sleeve and Tapping Valve for A.C., DIP, and PVC Pipe
- W-20** Tapping Valve on PVC (**Tentative**)
- W-22** Tee in PVC, Transite, or Ductile Main with One Leg Dead-ended
- W-23** Cast Iron Cross and Valving Details
- W-24** Cast Iron Cross, Flanged and/or Ring-Tite Valves
- W-25** Valve Details for Inline or Lateral Pipes
- W-26** Valve Box Details
- W-27** Typical Valve Box Installation
- W-30** Typical End Drain and Blow-off with Copper Tubing
- W-31** Main Ending in Cul-de-Sac with Service Connections and End Drain (Blow-off)
- W-32** Large Blow-offs, 4" to 6"
- W-33** Air and Vacuum Release (Air/Vac) 1"
- W-34** Air and Vacuum Release 2"
- W-35** Air and Vacuum Release 4" and Larger
- W-35-1** Cabinet for Large Air/Vacs.
- W-37** Connections to PVC or AC Pipes, 2" and Smaller
- W-38** Connections to DIP, 2" and Smaller
- W-39** Typical Service Installations, Without Meters, 1", 1 ½", and 2"
- W-40** Typical Service Installations
- W-41** Typical Service Installations with Meters
- W-42** Meter Box Locations Relative to Sidewalks
- W-47** Two ¾" or 1" Meters from a Single Service Line, New Construction
- W-50** Typical Structure Installation, (Meter Box, Air/Vac, Fire Hydrant) in a Slope
- W-51** Allowable Leakage Chart
- W-55** Sanitary Protection for Water Mains Crossing Sewers
- W-56** Trench Section, for Separation of Water Mains and Sewers
- W-57** (Future)
- W-58** (Future)

# D.I.P. FITTINGS AND THRUST BLOCK LAYOUT

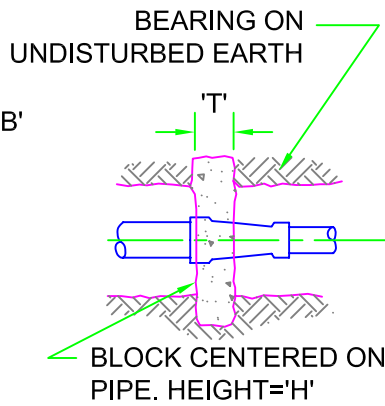


TEE

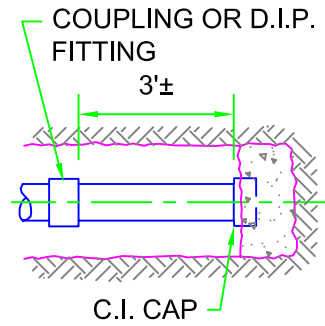
CROSS



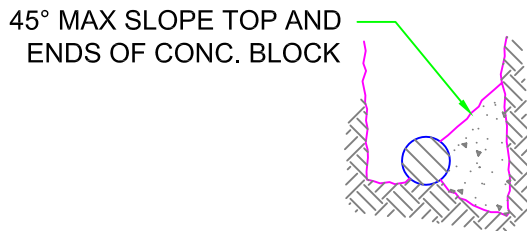
TEE REDUCING IN LINE



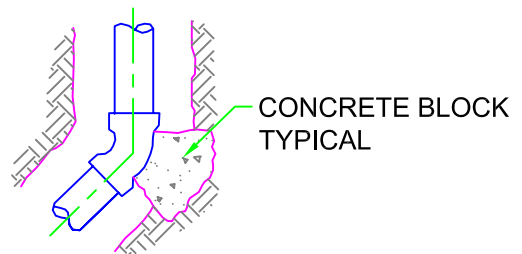
REDUCER



CAPPED END



SECTION THRUST BLOCK



HORIZONTAL ELBOW

NOTE:

1. ALL FITTINGS SHALL BE D.I.P. GROOVED FOR RUBBER GASKET JOINTS.
2. CONCRETE BLOCKS SHALL BEAR ON UNDISTURBED EARTH.
3. SEE DRAWINGS W-2 AND W-3 FOR SIZES OF CONCRETE BLOCKS.

RHH  
MANAGER  
  
CMS  
ENGINEER



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DISTRICT STANDARD **W-1**

REVISED: March 1, 2007

