

- 1 CONCRETE THRUST BLOCKING INSTALLATIONS ARE SHOWN TO GIVE THE CONTRACTOR A GENERAL KNOWLEDGE OF THE WORK HE MUST PERFORM CHANGES IN MATERIALS ENCOUNTERED IN THE TRENCH MAY CHANGE THE EXACT LOCATION OF THE BLOCKS SHOWN HEREIN
- JOOO PSI CONCRETE SHALL BE PLACED FOR BLOCKING AT EACH CHANGE IN DIRECTION OF THE PIPELINE IN A MANNER WHICH WILL SUBSTANTIALLY BRACE THE PIPE ACAINST UNDISTURBED TERNCH WALLS 3000 PSI CONCRETE SHALL CONFORM TO THE SPECIFICATIONS
- CONCRETE BLOCKING SHALL HAVE BEEN IN PLACE FOUR (4) DAYS PRIOR TO TESTING THE PIPELINE.
- 4. BLOCKING OF BEARING AREAS OF TWO (2) SQUARE FEET OR GREATER SHALL REQUIRE FORM CONSTRUCTION
- ALL VALVES UNDER CONDITIONS OF SIZE AND PRESSURE, AS NOTED IN TABLE "A", SHALL REQUIRE BLOCKING AGAINST THRUST CREATED BY VALVE CLOSURE.
- 7. ANCHORS KEYED OR TIED TO UNDISTURBED SOIL SHALL BE REQUIRED AT EVERY THIRD LENGTH OF PIPE PLACED ON SLOPES.
- 8 THRUST BLOCKING OF 3000 PSI CONCRETE SHALL BE PROVIDED AT ALL BENDS. TEES, AND ELBOWS ON ALL BURIED PIPELINES WITH FLEXIBLE JOINTS. THRUST BLOCKING SHALL BE ADEQUATE FOR THE PARTICULAR CONDITIONS OF PIPE DIAMETER, PIPE PRESSURE, AND SOIL BEARING PRESSURE ENCOUNTERED. THRUST BLOCKING SHALL EXTEND TO THE LIMITS OF TRENCH EXCAVATION AND SHALL BEAR AGAINST UNDISTURBED IRENCH WALLS.
- 9. BURIED PLASTIC PIPE SHALL REQUIRE CONCRETE THRUST BLOCKING.
 THRUST BLOCKING FOR PLASTIC PIPE SHALL BE INSTALLED AFTER
 INITIAL SERVICE LEAK TESTING OR LEAVE JOINTS EXPOSED TO
 PROVIDE FOR VISUAL EXAMINATION OF JONTS DURING INITIAL SERVICE LEAK TESTING. ADEQUATE TEMPORARY BRACING OF BENDS, ETC., SHALL BE PROVIDED DURING PIPE TESTING.
- ALL "DEAD-END" LINES WHICH WILL BE EXTENDED IN THE FUTURE SHALL REQUIRE CONCRETE THRUST BLOCKING.
- 11. THE MINIMUM BEARING AREA REQUIRED FOR OFFSET PIPING MUST BE CALCULATED FOR EACH INDIVIDUAL CASE, DEPENDING UPON ANGLE OF OFFSET SECTION.

CONCRETE THRUST BLOCKS FOR BURIED PIPES

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Patel

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