NOTES:

1. IF RETURN TO DESIGNED PIPE DEPTH BY DEFLECTION CANNOT BE ACCOMPLISHED WITHIN (40'), PIPE FITTINGS AND APPURtenances WILL BE REQUIRED PER THIS PLATE UNLESS OTHERWISE DIRECTED IN THE FIELD.
2. MAXIMUM ALLOWABLE ANGLE OF ELBOW = 45'.
3. MAXIMUM ALLOWABLE PIPE JOINT DEFLECTION SHALL BE PER PIPE MANUFACTURER'S RECOMMENDATION.
4. ALL PIPE JOINTS 22 1/2' OR GREATER SHALL BE THRUST BLOCK PROTECTED.
5. IF POINT (P) IS A HIGH POINT AND DIMENSION (A) IS CHANGED BY 1/2 THE PIPE DIAMETER IN SUCH A WAY THAT AIR WOULD BE TRAPPED, AN AIR-VAC VALVE SHALL BE INSTALLED PER PLATE 308. NOT REQUIRED ON FIRE HYDRANT LATERALS.
6. TENSION RODS AND ANCHORS SHALL BE USED ON ALL INSTALLATIONS. TWO RODS ARE REQUIRED FROM BOTTOM TO TOP FITTING.
7. ALL FITTINGS SHALL BE THERMO EPOXY OR MORTAR LINED, NO-OX-ID COATED AND P.E. WRAPPED.
8. ALL PIPE FOR OFFSET SHALL BE PVC CLASS 200; MORTAR LINED OR EPOXY COATED DUCTILE IRON OR CMLC WELDED STEEL PIPE.
9. MORTAR PLUG SHALL PENETRATE THE ENDS OF THE CASING SURROUNDING THE WATER MAIN TO A DEPTH OF 1 FT.
10. IF 10' OR MORE OF WATERLINE IS UNDER STRUCTURE, CASING PER TABLE IS REQUIRED.
11. RESTRAINED JOINTS MAY BE SUBSTITUTED IN LIEU OF THRUST BLOCKS. RESTRAINED JOINTS SHALL BE MANUFACTURED BY ROMAC INDUSTRIES, OR EQUAL.
12. ALL FITTINGS SHALL BE DUCTILE IRON.
13. PVC INSTALLATIONS SHALL INCLUDE A 12 GAUGE LOCATING WIRE.