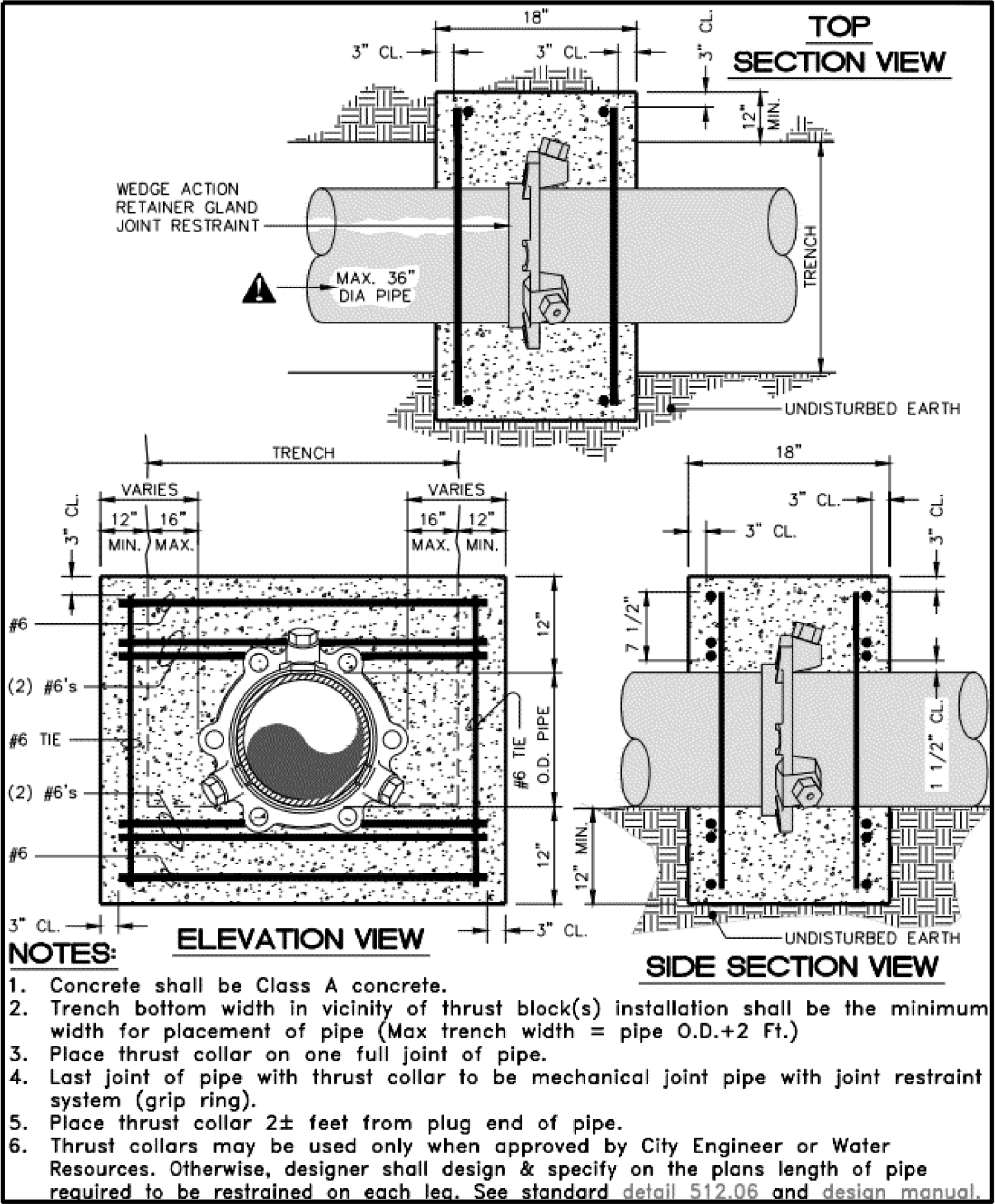




THRUST COLLAR -
CONCRETE

UTILITY NOTES HN-0033

#	PART DESCRIPTION
1	NRS GATE VALVE WITH RESILIENT SEATS
2	DIP CLASS 350 90° BEND (FLANGED)
3	COMPOUND WATER METER
4	DIP CLASS 350 TEE WITH 2" BRONZE TAPPING PLUG
5	COMPRESSION FITTING
6	DIP CLASS 350 NIPPLE (FLANGED) LENGTH VARIES
7	DIP CLASS 350 (FLANGED x PE)
8	SOLID CONCRETE BLOCK OR ADJUSTABLE PIPE SUPPORTS W/ 8x8x16 SOLID CMU BLOCK
9	PRECAST CONCRETE VAULT (SEE CHART FOR SIZE)
10	CITY OF DURHAM 2 PIECE ALUMINUM DOOR, CENTER OVER METER
11	4" PVC DRAIN TO CATCH BASIN OR DAYLIGHT
12	STEPS @ 12" O/C
13	DIP CLASS 350 TEE
14	STRAINER

NOTES:

1. Pipes, bends, tees, and gate valves are the same size as the meter size. (i.e. 6" meter has 6" pipe, 6" 90° bends, 6"x6" tees and 6" gate valves.)
2. All dimensions are based upon standard sizes for pipes, bends, tees, gate valves and meters. Strainer sizes vary depending on manufacturer. Dimension "g" is based upon Neptune strainers. If another manufacturer is being used this dimension will vary and the meter installation may not fit into the vault box shown. This should be checked before ordering the vault box. Coordinate with city of Durham water & sewer maintenance division.
3. Dimension "h" is for standard meters. Dimension "h(i)" is for compound meters.
4. Use appropriate size plate flange on the tee with a 2" bronze tapping plug.
5. Use only meters, strainers and gate valves approved by the City of Durham, see pre-approved product list.
6. For 3" meter vaults use the standard single hatch-type aluminum door, centered over the meter. For 4", 6" and 8" meter vaults use 5'x5' standard city of Durham access doors. (See detail no. 515.04).
7. Drill lid for AMR antenna & epoxy AMR into lid.
8. Sizing of 3" and larger water meters must be submitted by a Professional Engineer as part of the construction drawings review.

STANDARD & COMPOUND WATER
METER INSTALLATION (3" - 8")

