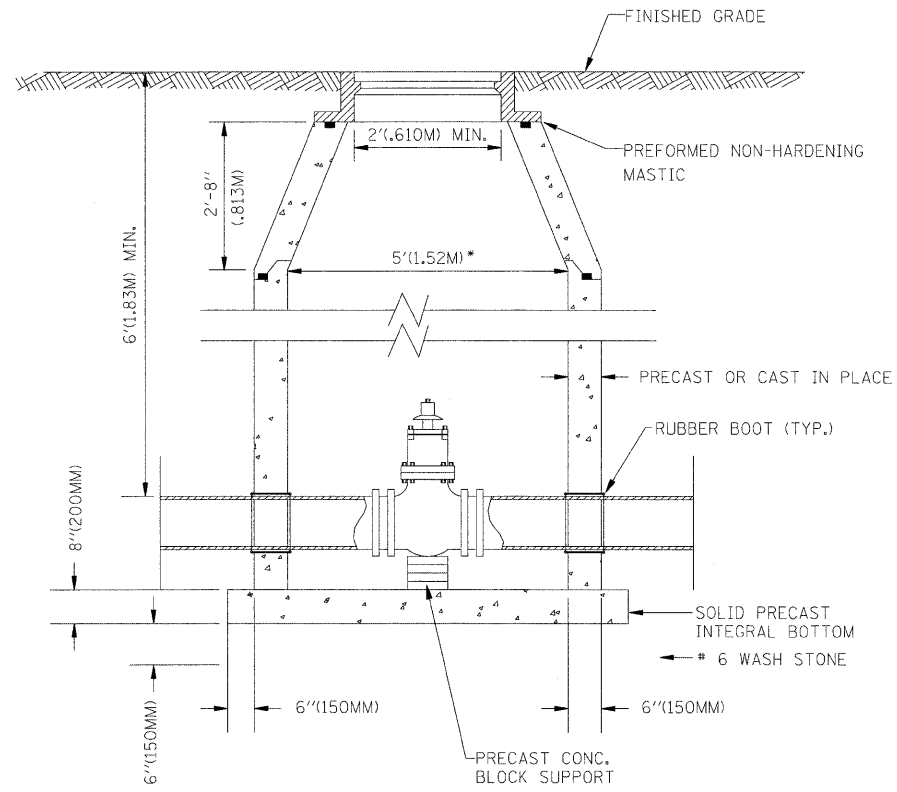


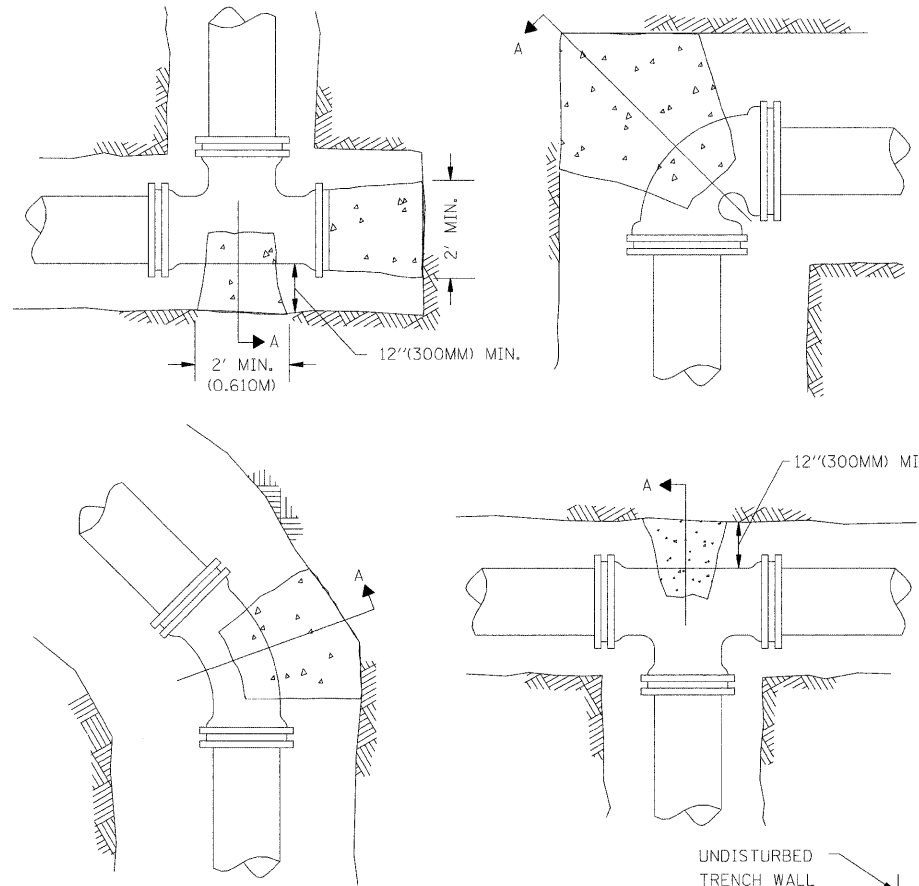
AT EACH JOINT, APPLY A CONTINUOUS LAYER OF NON-HARDENING PREFORMED BITUMINOUS MASTIC MATERIAL, CONSEAL CS-102B, OR APPROVED EQUAL, TO PREVENT INFLOW.

FRAME TO BE NEENAH HEAVY-DUTY MODEL R1712. LID TO BE EMBOSSED "WATER" STOPS TO BE STEEL REINFORCED POLYPROPYLENE, SPACES 16".



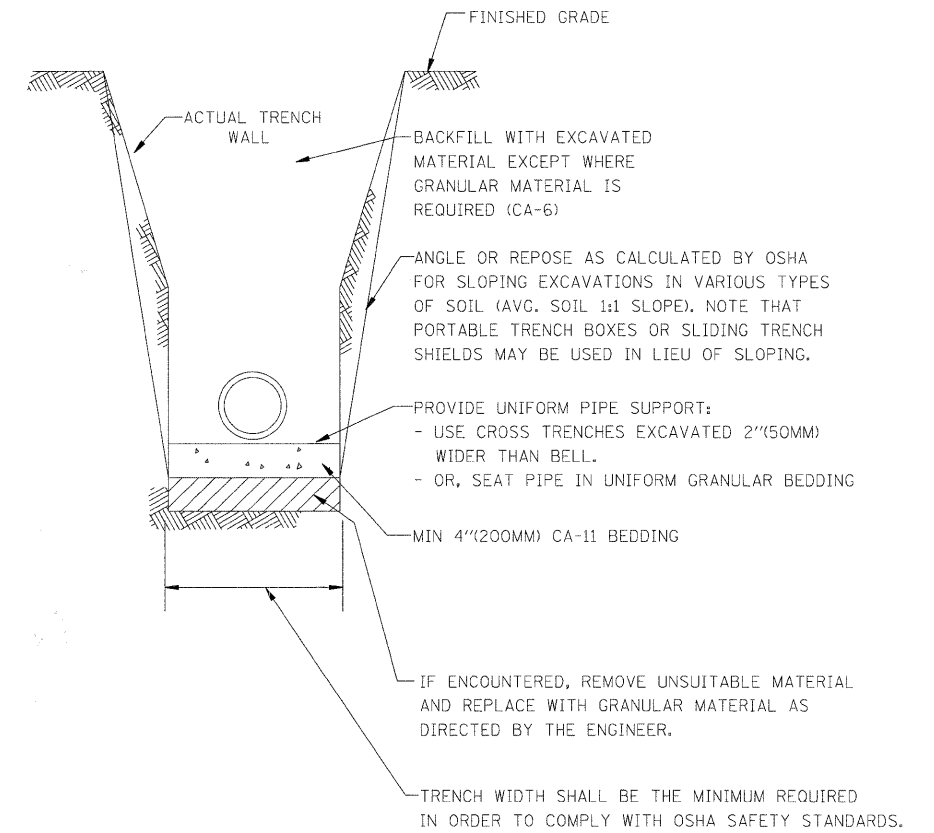
- 1) VAULT TO BE PRE-CAST CONCRETE MEETING ASTM C-478 STANDARDS
- 2) VALVE MUST ALIGN WITH THE CENTER OF VAULT OPENINGS.
- 3) CONES MUST BE CONCENTRIC WITH VALVES 12"(300MM) AND SMALLER.
- 4) BUTTERFLY VALVES AND PRESSURE TAP VALVES REQUIRE ECCENTRIC CONES.
- 5) WHEN ADJUSTMENTS ARE NECESSARY, THEY SHALL BE PERFORMED WITH A MAXIMUM OF 8" OF PRECAST CONCRETE RINGS SET IN A BED OF PREFORMED NON-HARDENING MASTIC MATERIAL (CONSEAL CS-102B, OR APPROVED EQUAL) TO A MAXIMUM HEIGHT OF 8"(300MM).

VALVE VAULTS



THRUST BLOCKING TO PREVENT MOVEMENT OF LINES UNDER PRESSURE AT BENDS, TEES, CAPS, VALVES, HYDRANTS, & AT POINTS SPECIFIED BY THE ENGINEER SHALL BE CLASS "SI" CONCRETE A MINIMUM OF 12"(300MM) THICK, PLACED BETWEEN SOLID GROUND & THE FITTING, AND SHALL BE ANCHORED IN SUCH A MANNER THAT THE PIPE AND FITTING WILL BE ACCESSIBLE FOR REPAIRS. THRUST BLOCKS SHALL BE PLACED AT BENDS OF 11-1/4" OR MORE.

THRUST BLOCK INSTALLATION



IN PAVED AREAS ALL TRENCHES SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 550.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

TRENCH SECTION FOR WATERMAIN

FILE NAME = 	USER NAME = jsm	DESIGNED - JSM DRAWN - JSM	REVISED - 12/29/2008 REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	DETAILS	F.A. RTE. 361	SECTION 06-00214-25-BR	COUNTY KANE	TOTAL SHEETS 220	SHEET NO. 139
	PLOT SCALE = 1/8" = 1' IN.	CHECKED - DNM DATE - 3/30/09	REVISED - REVISED -			SCALE: N.T.S.	SHEET NO. 3 OF 3 SHEETS	STA. TO STA.	CONTRACT NO. 63076 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	