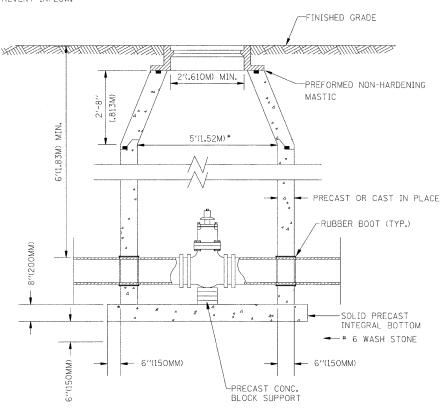
AT EACH JOINT, APPLY A CONTINUOUS LAYER OF NON-HARDENING PREFORMED BITUMINOUS MASTIC MATERIAL, CONSEAL CS-102B, OR APPROVED EQUAL, TO PREVENT INFLOW. FRAME TO BE NEENAH HEAVY-DUTY MODEL R1712. LID TO BE EMBOSSED "WATER" STOPS TO BE STEEL REINFORCED POLYPROPYLENE, SPACES 16".



- 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).

L→ A 2' MIN. (0.610M) -12"(300MM) MIN. UNDISTURBED TRENCH WALL POURED CONCRETE THRUST BLOCK 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 12"(300MM) MIN. BLOCKS SHALL BE PLACED AT BENDS OF 11-1/43%4 OR MORE. SECTION A

THRUST BLOCK INSTALLATION

FINISHED GRADE -ACTUAL TRENCH WALL -BACKFILL WITH EXCAVATED MATERIAL EXCEPT WHERE GRANULAR MATERIAL IS REQUIRED (CA-6) -ANGLE OR REPOSE AS CALCULATED BY OSHA FOR SLOPING EXCAVATIONS IN VARIOUS TYPES OF SOIL (AVG. SOIL 1:1 SLOPE). NOTE THAT PORTABLE TRENCH BOXES OR SLIDING TRENCH SHIELDS MAY BE USED IN LIEU OF SLOPING. -PROVIDE UNIFORM PIPE SUPPORT: - USE CROSS TRENCHES EXCAVATED 2"(50MM) WIDER THAN BELL. - OR, SEAT PIPE IN UNIFORM GRANULAR BEDDING ---MIN 4"(200MM) CA-11 BEDDING - IF ENCOUNTERED, REMOVE UNSUITABLE MATERIAL AND REPLACE WITH GRANULAR MATERIAL AS DIRECTED BY THE ENGINEER. -TRENCH WIDTH SHALL BE THE MINIMUM REQUIRED IN ORDER TO COMPLY WITH OSHA SAFETY STANDARDS.

TRENCH SECTION FOR WATERMAIN

IN PAVED AREAS ALL TRENCHES SHALL BE COMPACTED IN ACCORDANCE

BRIDGE CONSTRUCTION.

WITH SECTION 550.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND

VALVE VAULTS

CIVILTECH

FILE NAME =

KANE COUNTY
DIVISION OF TRANSPORTATION