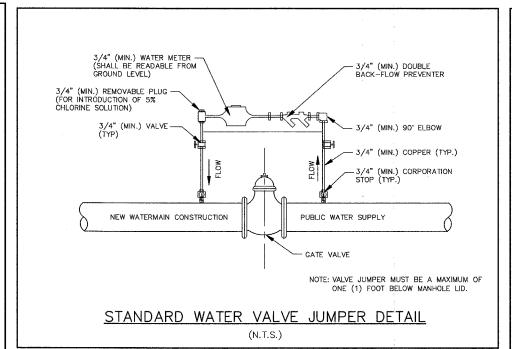


CURB AND GUTTER TRANSITION DETAIL (N.T.S.)



--(5)--• **-**(5)--WATER MAIN (DIP) FORCE MAIN (DIP) SANITARY SEWER STORM SEWER (RCCP) & SERVICES (PVC) STORM SEWER (PVC) SANITARY SEWER MAIN & SERVICES (ESVCP, DIP)

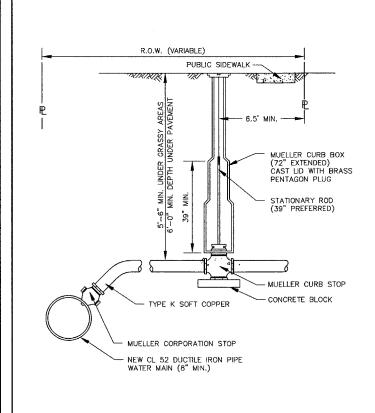
- 1 TRENCH BACKFILL TO SUBGRADE AND WITHIN 2' OF PROPOSED PAVEMENT, CURB AND GUTTER OR SIDEWALK. TRENCH BACKFILL MATERIAL SHALL BE IDOT APPROVED GRADATION CA-6, CRUSHED STONE OR GRUSHED GRAVEL COMPACTED TO 90% OF MODIFIED PROCTOR DENSITY. ALTERNATE TRENCH BACKFILL SPECIFICATIONS REQUIRE APPROVAL OF THE CITY ENGINEER. IN NON-STRUCTURAL AREAS, BACKFILL WITH APPROVED
- (2) INITIAL BACKFILL TO DEPTH AS INDICATED. MATERIAL SHALL BE IDOT APPROVED GRADATION CA-6, CRUSHED STONE OR GRAVEL INCLUDED IN TRENCH BACKFILL QUANTITY AT STRUCTURAL OR NON-STRUCTURAL AREAS.
- $\begin{tabular}{llll} \hline \end{tabular}$ pipe bedding shall be angular granular material idot gradation ca-7 or ca-11 from 4" below pipe to horizontal center of pipe.
- (4) UNSUITABLE MATERIAL TO BE REMOVED WHERE DIRECTED BY THE ENGINEER AND REPLACED WITH COMPACTED SUITABLE MATERIAL.
- (5) TRENCH WIDTH: PIPE 0.D. + 18", WHEN TRENCH <=5'-0" PIPE 0.D. + 36", WHEN TRENCH >5'-0"
- (6) CONTRACTOR SHALL COMPLY WITH THE LATEST OSHA STANDARDS INCLUDING, BUT NOT LIMITED TO: SLOPING AND BENCHING TRENCH WALLS, TRENCH SUPPORT AND SHORING SYSTEMS, SHIELD SYSTEMS, AND HAZARDOUS ATMOSPHERES.

TYPICAL TRENCH CROSS SECTION

(N.T.S.)

FRAME AND RING(S) TO BE SET IN A BED OF MORTAR OR SEALED WITH A PREFORMED BITUMEN SEAL (E-Z STICK OR APPROVED EQUAL). - ECCENTRIC CONE C.I. MANHOLE FRAME AND COVER WITH STANDARD DUTY, NON-ROCKING TYPE LIDS WITH "WATER" CAST INTO PLACE TO BE PROVIDED. MUELLER A-2360-16 STANDARD VALVE VAULT SPECIFICATIONS REQUIRE CONCENTRIC CONES (SEE SEPARATE DETAIL). TAPPING VALVE 3/4" MIN. MUELLER CORPORATION STOP - MUELLER H-615 TAPPING SLEEVE 3/4" MIN. MUELLER CORPORATION STOP EACH SIDE OF VALVE EACH SIDE OF VALVE -CLASS 52 CEMENT-LINED D.I.P. (TYP.) EXISTING WATER MAIN CONCRETE THRUST BLOCK POURED IN PLACE $\Rightarrow \Rightarrow$ CONCRETE FOOTING 2" CA-7 BEDDING 8" x 8" CONCRETE SUPPORT SECTION A-A PLAN VIEW

WATER MAIN PRESSURE CONNECTION DETAIL



				INLET		OUTLET	
PART DESCRIPTION	MUELLER CAT. NO.	SERVICE SIZE	MAIN SIZE	AWWA TAPER	сомР	AWWA TAPER	COMP
CORP STOP	H-15013	1 1/2"-2"	8"+	Х	X		Х
	H015008	3/4"-1"	8"+	Х	Х		Х
DOUBLE STRAP BRASS SERVICE SADDLE	H-16123	1 1/2"-2"	4"			X	
	H-16126	1 1/4"-2"	6"			х	
	H-16130	1 1/4"-2"	8"			X	
	H-16134	1 1/2"-2"	10"			Х	
	H-16137	1 1/4"-2"	12"			X	
CURB STOP	H-15155	3/4"-2"			×		Х
	H-25155	1 1/4"-2"			X		Х
CURB BOX	H-10300	3/4"-1 1/2"					
	H-10300- 99002	2"					
STATIONARY ROD	84247	1 1/4"					
	84338	1 1/2"					
	84139	2"					

NO. COUNTY TOTAL SHTS.

F.H.W.A. REG.5 ILLINOIS PROJECT M-8003

- 1. NO CORPORATION STOPS, COPPER SERVICE, OR CURB BOXES MAY
 BE LOCATED UNDER PAVED AREAS INCLUDING DRIVES AND SIDEWALKS.
- 2. ALL WATER MAIN HARDWARE SHALL BE MUELLER.
- SERVICE TO BE CONTINUOUS WITHOUT JOINTS FROM CORPORATION STOP TO
- 4. MULTIPLE TAPS INTO MAIN SHALL BE NO CLOSER THAN 2' APART.
- 5. TRENCH FROM MAIN TO BACK OF SIDEWALK TO BE COMPACTED TRENCH
- 6. NO FLARE FITTINGS WILL BE ACCEPTED
- ALL ADJUSTMENTS TO TO BE MADE WITH GALVANIZED PIPE AND COUPLINGS (SCREWED ON)

WATER SERVICE INSTALLATION DETAIL