NOTES: ALL EXPOSED METAL SHALL BE COATED WITH BRUSHED-ON MASTIC. ALL BOLTS AND ASSOCIATED HARDWARE SHALL BE FLUOROPOLYMER COATED. TEE, VALVES, FITTINGS, DUCTILE IRON PIPE, AND OTHER METAL PARTS SHALL BE ENCASED WITH POLYETHYLENE WRAP PER AWWA C105. CONCRETE FOR PADS SHALL HAVE A COMPRESSIVE STRENGTH OF NOT LESS THAN 3,000 PSI AFTER 28 DAYS. BAG CONCRETE MIX IS NOT ALL PIPE AND FITTINGS IN CONTACT WITH WATER SHALL BE NSF-61 CERTIFIED. 5. MJ x FLG GATE VALVES WITH MJ WEDGE ACTION RESTRAINT GLANDS MAY BE REQUIRED IN LIEU OF PO x FLG GATE VALVES, REFERENCE WATER IMPROVEMENT PLANS. \bigcirc PLAN VIEW MAIN SIZE RUN FLG x 4" BRANCH FLG 6" THROUGH 12" WATER MAIN, TYP. DUCTILE IRON TEE (AWWA C110) (C900 PVC OR DUCTILE IRON) 4" GATE VALVE, FLG x FLG MAIN SIZE GATE VALVE, PO x FLG, (AWWA C509 OR C515) TYP. BOTH SIDES (AWWA C509 OR C515) INSTALL CHRISTY G5 TRAFFIC VALVE BOX SEE NOTE #6 WITH COVER MARKED "WATER" WITH CONCRETE COLLAR (OR TMWA APPROVED **EQUIVALENT**) INSTALL 6" CAST IRON VALVE BOX WITH-COVER MARKED "WATER" WITH CONCRETE 4" FLG x 4" NPT DUCTILE IRON COLLAR, TYP. 3 LOCATIONS COMPANION FLANGE WITH 4" NPT REF. TMWA STD. DETAIL 10J-2 FOR 6" MIN. CONCRETE COLLAR REQUIREMENTS, TYP. PVC SCREW PLUG WITH 2" 12" MAX. SQUARE TOP NUT. FINISH GRADE 6" SDR-35 PVC CONDUCTOR PIPE, O.D.=6.275", TYP. 3 LOCATIONS 4" Ø DUCTILE IRON RISER PIPE FLG x PE, LENGTH AS REQUIRED THRUST BLOCK 4" RESTRAINED FLANGE ADAPTER, REF. TMWA STD. DETAIL 10L-2 FOR WITH MJ RESTRAINT GLAND REQUIREMENTS, TYP. 4" 90° DUCTILE IRON ELBOW, FLG x FLG (AWWA C110) 12"± SECTION VIEW A-A POUR CONCRETE PAD UNDER GATE VALVE AND 90° VERTICAL ELBOW, MIN. 6" THICK, TYP., CONCRETE SHALL REMAIN CLEAR OF FLANGE 4"ø x 12" LENGTH DUCTILE IRON SPOOL, BOLTS, SEE NOTE #4 FLG x FLG, MATERIAL LIST MATERIAL LIST (CONT.) QTY. DESCRIPTION OTY. DESCRIPTION MAIN SIZE RUN FLG x 4" BRANCH FLG DUCTILE IRON TEE (AWWA 1 4"ø DUCTILE IRON SPOOL, FLG x PE (LENGTH AS REQUIRED) 4" PVC SCREW PLUG, NPT, WITH 2" SQUARE TOP NUT MAIN SIZE GATE VALVE, PO x FLG, (AWWA C509 OR C515) 6" CAST IRON VALVE BOX WITH COVER MARKED "WATER" 4" GATE VALVE, FLG x FLG, (AWWA C509 OR C515) CHRISTY G5 TRAFFIC VALVE BOX WITH COVER MARKED "WATER"

- 4" 90° DUCTILE IRON ELBOW, FLG x FLG (AWWA C110)
- 4"ø x 12" LENGTH DUCTILE IRON SPOOL, FLG x FLG
- 4" FLG x 4" NPT DUCTILE IRON COMPANION FLANGE
- 4" RESTRAINED FLANGE ADAPTER WITH MJ RESTRAINT GLAND
- 6" SDR-35 PVC CONDUIT PIPE SECTION, O.D.=6.275'

CONCRETE BULK - THRUST BLOCKS, PADS, COLLARS



DATE 7/2011 REV

9/2016

APPENDIX 10E FLUSH ASSEMBLY INSTALLATIONS

> IN-LINE FLUSH ASSEMBLY FOR MAIN SIZES 6" TO 12"

DRAWING NUMBER

10E-5