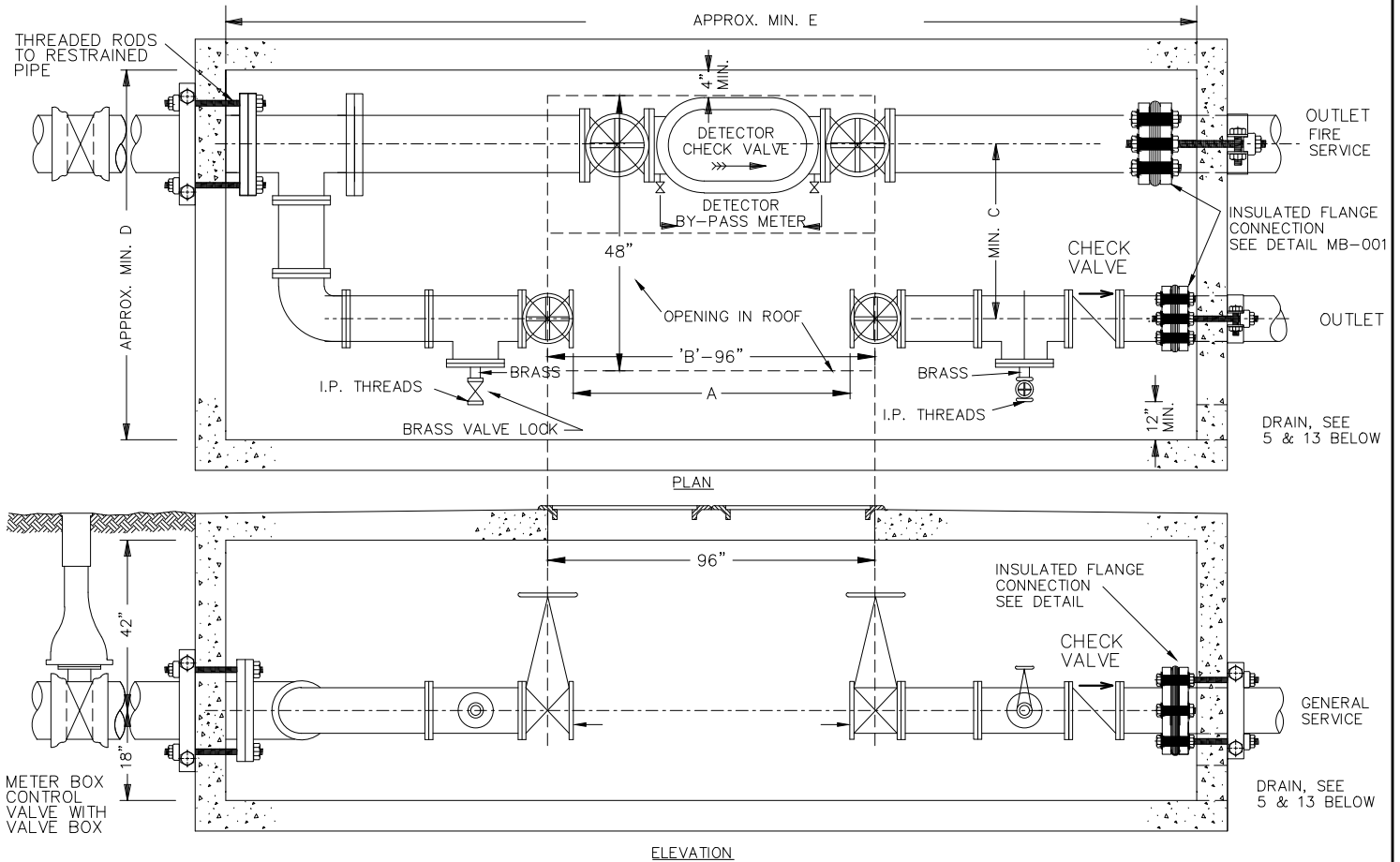




**MISSOURI  
AMERICAN WATER**

FILE NO. \_\_\_\_\_  
 INDEX NO. \_\_\_\_\_  
 ISSUED DATE 08-15-2021  
 AMENDED DATE 10-25-2023



DOMESTIC SERVICE				FIRE SERVICE											
SIZE	BYPASS MIN. SIZE	A	B	10"			8"			6"			4"		
				C	D	E	C	D	E	C	D	E	C	D	E
1 1/2	1	30	96	35	72	126	35	72	114	30	66	108	27	60	108
2	2	30	96	35	72	126	35	72	114	30	66	108	27	60	108
3	2	54	96	35	84	180	35	78	180	30	72	174	27	72	174
4	2	54	96	35	84	186	35	84	186	30	78	180	27	72	180
6	2	60	96	36	84	198	36	84	198	31	78	198			
8	2	66	96	37	84	210	37	84	210						

**NOTES**

1. VAULT WALLS AND ROOF TO BE OF CONCRETE.
2. LIDS AND FRAMES OF OPENING TO BE SET IN PLACE, NOT IN CONCRETE.
3. VALVES ON EACH SIDE OF GENERAL METER FOR 1 1/2" OR 2" SERVICE TO HAVE SCREW ENDS, I.P. THREADS; FOR 3" AND ABOVE, VALVES MUST HAVE FLANGED ENDS & BE IN ALIGNMENT. ALL VALVES MUST BE ADEQUATELY SECURED TO WITHSTAND WATER THRUST WITH METER REMOVED.
4. MINIMUM CLEARANCE OF 6" TO BE PROVIDED BETWEEN THE EDGE AND GENERAL METER AND THE EDGE AND DETECTOR CHECK BYPASS METER.
5. DRAINAGE FACILITIES MUST BE PROVIDED, OR BOX OTHERWISE KEPT FREE OF WATER. NO FRENCH DRAINS ALLOWED UNLESS APPROVED BY AUTHORIZED COMPANY REPRESENTATIVE.
6. CLASS 52 DI PIPE EXTENDED MIN. 6' FROM OUTLET SIDE OF METER PIT. (ZINC COATED DI PIPE WITH V-BIO POLYWRAP OPTIONAL IN HIGHLY CORROSIVE SOIL AREAS).
7. TYPE "K" OR "L" COPPER ON DOMESTIC.-EXTENDED MIN. 6' FROM OUTLET SIDE OF METER PIT.
8. ANY DEVIATION FROM PIPE DEPTH SHOWN MUST BE APPROVED BY AUTHORIZED COMPANY REPRESENTATIVE PRIOR TO CONSTRUCTION.
9. METER BOX CONTROL VALVE TO BE LOCATED AS NEAR TO METER BOX AS PRACTICAL.
10. BOX TO BE SET WITH TOP OF BOX AT FINISHED GRADE WITH NO EXTENSION ALLOWED.
11. CONNECTIONS TO PUBLIC WATER MAIN WILL NOT BE MADE BEFORE METER PIT AND PIPING ARE COMPLETE AND PROPERTY LINE VALVE INSTALLED, UNLESS APPROVED BY AUTHORIZED COMPANY REPRESENTATIVE.
12. LIDS SHALL BE MADE OF ALUMINUM AND SPRING LOADED. OPENING SHALL BE 48"x 96" TO ALLOW UNRESTRICTED ACCESS. OPENING TO BE FLUSH WITH OUTLET SIDE OF DOMESTIC WATER SERVICE VALVE FLANGE.
13. DRAIN NEEDS TO BE GRADED TO ALLOW WATER DRAINAGE AWAY AND OUT FROM VAULT.
14. CHECK VALVES REQUIRED FOR EACH METER BOX INSTALLATION AND SHALL BE RATED AT 250 PSI AND SHALL HAVE A RESILIENT SEAT.
15. ALL STEEL BOLTS INCLUDING THE NUTS, WASHERS, LUGS, CLAMPS, AND BRACKETS USED FOR BOLT ACCESSORIES SHALL CONFORM TO AWWA C111 STANDARDS AND SHALL BE FACTORY COATED WITH AN APPROVED PTFE FLUOROPOLYMER COATING. THREADED RODS INCLUDING THE NUTS AND STANDARD WASHERS USED FOR THREADED ROD ACCESSORIES SHALL MEET ASTM F1554 GRADE 55 OR GRADE 105 WITH HEAVY HEX DH NUTS AND SHALL BE COATED WITH PTFE FLUOROPOLYMER COATING. APPROVED PTFE FLUOROPOLYMER COATING PRODUCTS INCLUDE FLUOROKOTE #1™, OR XYLAN™, SERIES 1420, 1421, 1424, OR APPROVED EQUAL. PTFE FLUOROPOLYMER COATINGS SHALL BE BAKED ON OR THERMALLY SET BY THE COATING MANUFACTURER.

A TEMPORARY FLANGED DUCTILE IRON SPOOL PIECE MUST BE INSTALLED IN THE PLACE OF THE METER LOCATION(S), 3" AND LARGER, TO ENSURE PIPE ALIGNMENT. MAWC PERSONNEL WILL REMOVE SPOOL PIECE AT TIME OF METER INSTALLATION AND WILL LEAVE IN METER VAULT FOR CONTRACTOR TO ACQUIRE FOR FUTURE USE.

SUBJECT TO REVISION WITHOUT NOTICE 10-25-2023

**METER BOX FOR SPLIT SERVICE**

PRINT AND READ DISCLAIMER  
WITH ALL MAWC DRAWINGS

CAD /DISTRIB/DETAILS/METERBOX/METERBOX\_20200821.DWG