



* METER SPREAD:

5/8" METER	- 501 YOKE
3/4" METER	- 503 YOKE
1" METER	- 504 YOKE
13 1/4" - 1 1/2" DIA. LINE	
**** 17 1/4" - 2" DIA. LINE	
***** 46" - 3" DIA. LINE	
56" - 4" DIA. LINE	
60" - 6" DIA. LINE	

- NOTES:
1. PIT SHALL BE MASONRY: EITHER PRE-CAST OR POURED IN PLACE, SHALL HAVE A MASONRY FLOOR & TOP, AND HAVE A MINIMUM 6" WORKING HEIGHT. ALTERNATE DESIGNS PREPARED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OHIO MAY BE SUBMITTED TO MCES FOR APPROVAL.
 2. AUTOMATIC SUMP PUMP WITH MINIMUM DISCHARGE OF UP TO 500 GPH. IS REQUIRED.
 3. DOOR SHALL BE CENTERED ON METER SPREADS AND OF SUFFICIENT SIZE FOR EASY REMOVAL OF PIPE AND FITTINGS AND ABILITY TO READ METER FROM ABOVE GROUND AND HAVE A 1/2" HOLE FOR HAZARDOUS GAS TESTING. PROVIDE 1 7/8" DIA. HOLE IN DOOR FOR INSTALLATION OF REMOTE READ PAD FOR EACH METER IN PIT.
 4. STEPS SHALL BE PLASTIC, 12" C.C. AS MANUFACTURED BY MA INDUSTRIES (PS1-PF OR EQUAL)
 5. ALL PIPE SHALL HAVE MIN. 48" COVER AND BE MINIMUM 18" FROM FLOOR.
 6. NO FIELD SOLDERED JOINTS IN PITS.
 7. ALL FIRE LINE PIPE SHALL BE D.I. CLASS 51 WITH FLANGED ENDS TO OUTLET VALVE OF DOUBLE DETECTOR CHECK ASSEMBLY.
 8. ALL FIRE LINE VALVES SHALL BE FLANGED END, HANDWHEEL OPERATED, RISING STEM OS&Y, AND OPEN IN SAME DIRECTION.
 9. AN OEPA APPROVED DOUBLE DETECTOR CHECK VALVE ASSEMBLY SHALL BE FITTED WITH NECESSARY "K" COPPER OR BRASS PLUMBING, MANUFACTURER APPROVED MONITOR METER (SEE #15), AND OEPA APPROVED BACKFLOW ASSEMBLY. (SEE LATEST OEPA BACKFLOW PREVENTION INFORMATION PUBLICATION)
 10. 1) ALL DOMESTIC PIPING SHALL BE TYPE "K" COPPER OR BRASS FOR 2" AND SMALLER, AND ALL PIPE SHALL BE DCI CL. 51 OR BRASS FOR 3" AND LARGER. SAME SIZE DIAMETER BY-PASS REQUIRED ON 1 1/2" AND LARGER SERVICE LINES. EXCEPTIONS: 1.) SERVICES USING COPPERSSETTER MAY HAVE 1" MIN. BY-PASS. 2.) IF 1 1/2" SERVICE LINE AND 1" METER IS DESIRED, MUST USE 504 YOKE BAR WITH 1 1/2"x1" REDUCERS BEFORE AND AFTER METER. NO BYPASS REQUIRED.
 11. METER FLANGED END MUST BE UNI-FLANGED.
 12. ALL DOMESTIC VALVES SHALL BE FLANGED END, HAND WHEEL OPERATED, RISING STEM, OS&Y RESILIENT WEDGE GATE TYPE FOR 3" OR LARGER AND FULL PORT BALL WITH PADLOCK WINGS FOR 2" AND SMALLER.
 13. 1 1/2" AND 2" DOMESTIC METER SETS MAY USE COPPERSSETTERS: FORD VBB76-18B FOR 1 1/2" DIA. PIPE OR VBB77-18B FOR 2" DIA. PIPE.
 14. DOMESTIC METER SHALL BE SUPPLIED BY COUNTY TO CONTRACTOR TO BE INSTALLED WITH OTHER PIPING FOR PROPER ALIGNMENT. METER TO BE INSTALLED IN CENTER OF METER SPREAD.
 15. MONITOR METER MUST BE APPROVED BY, IF NOT PURCHASED FROM MONTGOMERY COUNTY. METER MUST READ IN CUBIC FEET AND HAVE REMOTE READ REGISTER.
 16. PIPING AND METER MUST BE ADEQUATELY SUPPORTED WITH CONCRETE PIPE SUPPORTS OR 304 STAINLESS STEEL SUPPORTS.
 17. DETAILED METER PIT PLAN IS REQUIRED FOR FDC AND PIV ASSOCIATED WITH METER PIT.

**NOTE: BACKFLOW PREVENTION DEVICE AS SPECIFIED BY MONTGOMERY COUNTY ENVIRONMENTAL SERVICES WILL BE REQUIRED AT SERVICE ENTRANCE.

***NOTE: 9" CLEARANCE BETWEEN BY-PASS LINE AND WALL IS ACCEPTABLE IN SECTION OF BY-PASS ALONG THE WALL IF IT CONTAINS NO VALVES, METERS, ETC.; 18" CLEARANCE REQUIRED IF SECTION CONTAINS ANY VALVES, METERS, ETC.

****NOTE: IF A 2" DIA. LINE AND 1 1/2" METER IS DESIRED, METER SPREAD MUST BE 17 1/4" ON THE 2" SERVICE LINE PRIOR TO THE 2"x 1 1/2" REDUCERS. CONTRACTOR MUST SUPPLY REDUCERS, PIPING AND FLANGES FOR THE 1 1/2" METER SPREAD OF 13 1/4". REDUCERS MUST BE FORD A67 ADAPTERS OR APPROVED EQUAL.

*****NOTE: IF A 3" DIA. SERVICE LINE AND A 2" METER IS DESIRED, METER SPREAD MUST BE 46" ON THE 3" DIA. SERVICE PRIOR TO THE 3"x2" REDUCERS. CONTRACTOR MUST SUPPLY REDUCERS, PIPING AND FLANGES FOR THE 2" METER SPREAD OF 17 1/4".

<p>MONTGOMERY COUNTY ENVIRONMENTAL SERVICES</p>	
<p>COMBINATION FIRE LINE / DOMESTIC WATER METER PIT (FOR OFF ROAD USE ONLY)</p>	
SCALE : NONE	DATE : 6/1/2020