9. THE HYDRANTS SHALL BE OF THE COMPRESSION TYPE WITH THE MAIN VALVE OPENING AGAINST THE PRESSURE AND CLOSING WITH THE PRESSURE. 4. NORTH RIDGEVILLE STANDARD HYDRANT IS A MUELLER "SUPER CENTURIAN". HYDRANTS SHALL OPEN IN A COUNTER-CLOCKWISE DIRECTION. 3. ALL FIRE HYDRANTS AND VALVE BOXES SHALL BE SECURELY BRACED WHEN SET AND BACKFILLED, ALL FIRE HYDRANTS, VALVES, VALVE BOXES AND FITTINGS SHALL MEET THE LATEST STANDARD SPECIFICATIONS FOR CONSTRUCTING WATER MAINS AND APPURTENANCES OF THE CITY OF NORTH RIDGEVILLE WATER DEPARTMENT. NOTE:

1. THE CONITIANOTOR SHALL FURNISH HYDRANT BRANCHES HAVING RETAINED
MECHANICAL JOINTS INCLUDING HYDRANT SHOE. ALL MECHANICAL JOINTS SHALL
HAVE FIELD APPLIED ONE (1) COAT OF BITUMASTIC PAINT. ALL MECHANICAL
JOINTS SHALL BE POLYETHYLENE WRAPPED IN ACCORDANCE WITH AWWA
C-105/A21.5-88 CLASS 'C' METHOD 'B'. 8. THE 4' NOZZLE SHALL HAVE CLEVELAND STANDARD THREADS 5. HYDRANT SHALL BE FIELD PAINTED. (BARREL-RED, TOP-WHITE) THE FIRE HYDRANTS SHALL MEET THE REQUIREMENTS OF THE AWWA SPECIFICATIONS C502, LATEST REVISION. THE HYDRANT SHALL HAVE TWO 2-1/2" HOSE NOZZLES AND ONE 4" STEAMER NOZZLE. ALL BOLTS AND NUTS FURNISHED WITH RETAINED MECHANICAL JOINTS INCLUDING RETAINER OR WEDGE ACTION TYPE GLANDS SHALL BE COPPER BEARING DUCTILE IRON, OR EQUIVALENT HIGH STRENGTH, LOW ALLOY CORROSION RESISTANT STEEL THE 2-1/2' NOZZLE SHALL HAVE THE NATIONAL STANDARD THREADS THRUST BLOCK 6" HYDRANT GATE VALVE SIZE OF MAIN x 6" ANCHOR TEE HYDRANT VALVE BOX D + 8"Y OF NORTH RIDGEVILLE, ENGINEER YARD OF 3/4" WASHED GRAVEL OR CRUSHED STONE. FULL WIDTH OF TRENCH AND 6" MINIMUM ABOVE DRAIN. MINIMUM OF ONE CUBIC -BRICK SUPPORT VARIABLE 10. THE UPPER SECTION OF THE HYDRANT WHICH HOUSES THE UPPER STEM THREADS AND BRONZE OPERATION NUT SHALL BE DESIGNED SO THAT ALL THREADED AND BEARING METAL SURFACES ARE SEALED AWAY FROM LINE PRESSURE WHEN THE HYDRANT IS IN EITHER THE OPEN OR CLOSED POSITION. THE SEAL SHALL BE MADE BY USE OF '0' RINGS, ALL THREADED AND BEARING PARTS SHALL BE IN A LUBRICATED STATE AT ALL TIMES. THE LUBRICANT MUST BE EITHER GREASE OR OIL. 13. THE OPERATING NUT IS TO BE SEALED WITH THREE RUBBER 'O' RINGS IN COVER PLATE AND CAP. 11. ALL FIRE HYDRANTS SHALL BE OF THE TRAFFIC MODEL TYPE. THE DESIGN SHALL BE SUCH THAIT THE UPPER AND LOWER BARREL FLANGES ARE AN INTEGRAL CAST PART OF THE BARREL. THE UPPER AND LOWER BARRELS ARE TO BE JOINED AT THE GROUND LINE BY MEANS OF A BREAKABLE CAST IRON COLLAR, FOUR PART SEGMENTAL COUPLING OR A TWO PART BREAKABLE FLANGE. 14. HYDRANTS SHALL BE EQUIPPED WITH A FIVE-INCH INTEGRAL STORZ QUICK DISCONNECT FITTING OF THE LOCKING-TYPE CAP. NOZZLE SHALL BE FACTORY INSTALLED AND TESTED AND MUST HAVE UL LISTING AND FM APPROVAL THE OPERATING STEM NUT IS TO BE BRONZE AND OF ONE PIECE CONSTRUCTION. 4'-6" to 5'-0" MINIMUM EDGE OF PAVEMENT AS PER MANÚF. REQ'MENT 3' MINIMUM TO THE FACE OF CURB OR COVER FROSTCASING DATE: 10/01/08 DRWN BY: JAB/TEB REV No. SCALE: DEPARTMENT OF ENGINEERING 3/09 DATE NOT TO SCALE CITY OF NORTH RIDGEVILLE, OHIO GENERAL HYDRANT ΒY Corer 4" PAVEMENT) STANDARD HYDRANT (TURN STEAMER TOWARD CITY OF NORTH RIDGEVILLE <u>₹</u> 0 DESCRIPTION 2'-6" 9" THRUST BLOCK BRICK SUPPORT SIDEWALK WAT-1 2. ALL BOLTS AND NUTS FURNISHED WITH RETAINED MECHANICAL JOINTS INCLUDING RETAINER OR WEDGE ACTION TYPE GLANDS SHALL BE COPPER-BEARING DUCTILE IRON, OR EQUIVALENT HIGH STRENGTH, LOW ALLOY CORROSION RESISTANT STEEL. RETAINED MECHANICAL JOINTS INCLUDING HYDRANT SHOE. ALL MECHANICAL JOINTS SHALL HAVE FIELD APPLIED ONE (1) COAT OF BITUMASTIC PAINT. ALL MECHANICAL JOINTS SHALL BE POLYETHYLENE WRAPPED IN ACCORDANCE WITH AWWA C-105/A21.5-88 CLASS 'C' NOTE:

1. THE CONTRACTOR SHALL FURNISH HYDRANT BRANCHES HAVING METHOD 'B". UNDISTURBED EARTH CONCRETE BACKING TO MECHANICAL JOINT RETAINED MAIN VARIES
DEPENDING ON
SIZE OF MAIN RETAINED MECHANICAL JOINT DUCTILE IRON SHORT BODIED SWIVEL TEE NORTH RIDGEVILLE STANDARD MJ × MJ 6" GATE VALVE VORTH RIDGEVILLE, VARIES PER PLAN ENGINEER ADAPTER - SWIVEL × SOLID OR SWIVEL × SWIVEL DATE: 10/01/08 | DRWN BY: JAB/TEB REV No. SCALE: NOT TO SCALE CITY OF NORTH RIDGEVILLE STANDARD HYDRANT (TURN STEAMER TOWARD PAVEMENT) HARDWOOD OR PLANK BACKING DEPARTMENT OF ENGINEERING DATE CITY OF NORTH RIDGEVILLE, OHIO 무 CONCRETE BACKING TO UNDISTURBED EARTH HYDRANT TYPE DESCRIPTION WAT-2