NOTE:
1. THE CONTRACTOR 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'.

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.

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.

4. NORTH RIDGEVILLE STANDARD HYDRANT IS A MUELLER 'SUPER CENTURIAN'. HYDRANTS SHALL OPEN IN A COUNTER-CLOCKWISE DIRECTION.

5. HYDRANT SHALL BE FIELD PAINTED. (BARREL-RED, TOP-WHITE)

6. 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.

7. THE 2-1/2" NOZZLE SHALL HAVE THE NATIONAL STANDARD THREADS.

8. THE 4" NOZZLE SHALL HAVE CLEVELAND STANDARD THREADS.

9. THE HYDRANTS SHALL BE OF THE COMPRESSION TYPE WITH THE MAIN VALVE OPENING AGAINST THE PRESSURE AND CLOSING WITH THE PRESSURE.

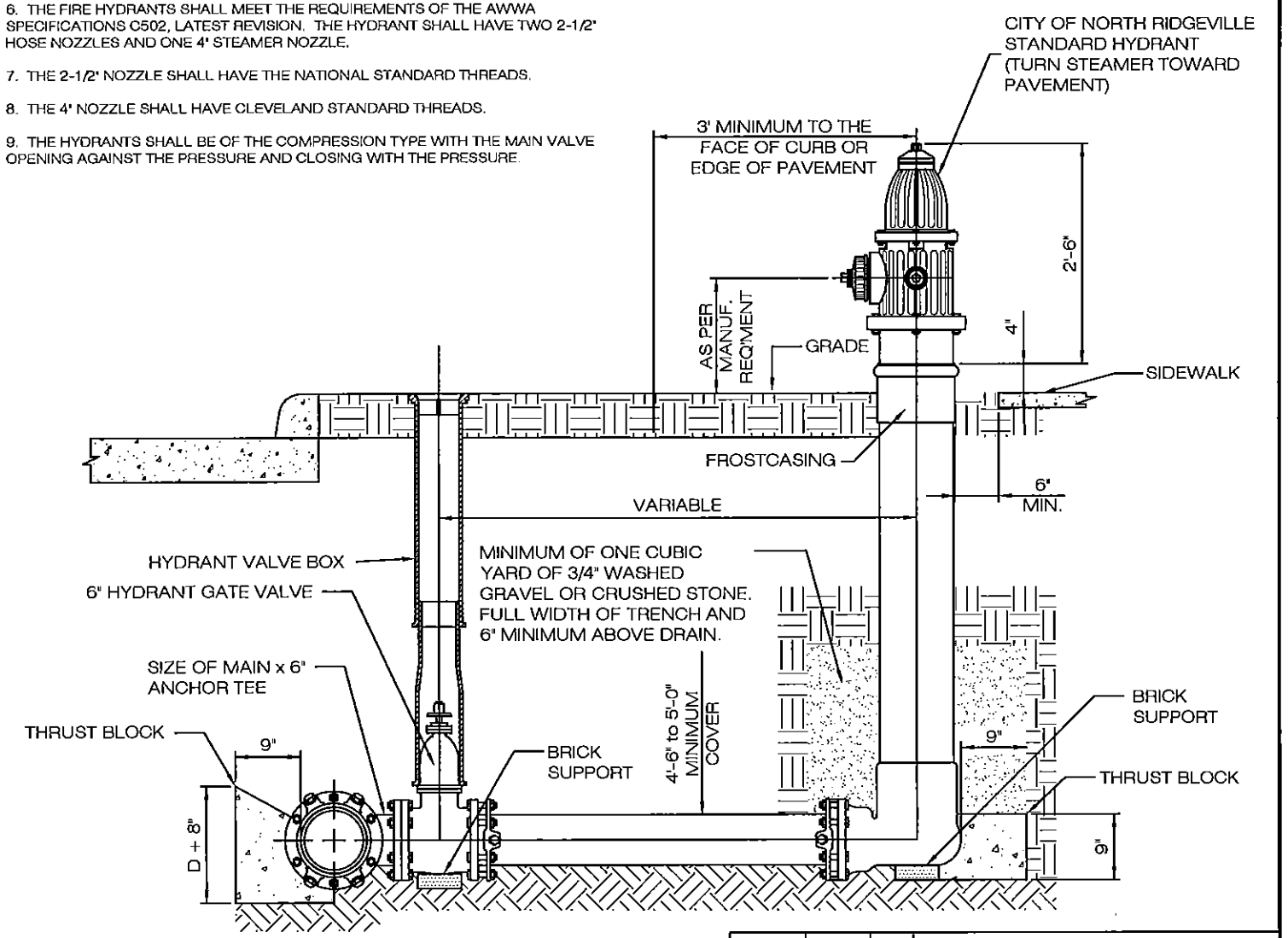
10. THE UPPER SECTION OF THE HYDRANT WHICH HOUSES THE UPPER STEM THREADS AND BRONZE OPERATION NUT SHALL BE DESIGNED SO THAT ALL THREADED AND BEARING METAL SURFACES ARE SEALED AWAY FROM LINE PRESSURE WHEN THE HYDRANT IS IN EITHER THE OPEN OR CLOSED POSITION. THE SEAL SHALL BE MADE BY USE OF 'O' RINGS. ALL THREADED AND BEARING PARTS SHALL BE IN A LUBRICATED STATE AT ALL TIMES. THE LUBRICANT MUST BE EITHER GREASE OR OIL.

11. ALL FIRE HYDRANTS SHALL BE OF THE TRAFFIC MODEL TYPE. THE DESIGN SHALL BE SUCH THAT 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.

12. THE OPERATING STEM NUT IS TO BE BRONZE AND OF ONE PIECE CONSTRUCTION.

13. THE OPERATING NUT IS TO BE SEALED WITH THREE RUBBER 'O' RINGS IN COVER PLATE AND CAP.

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.



REV No	DATE	BY	DESCRIPTION
1	3/09		Cover

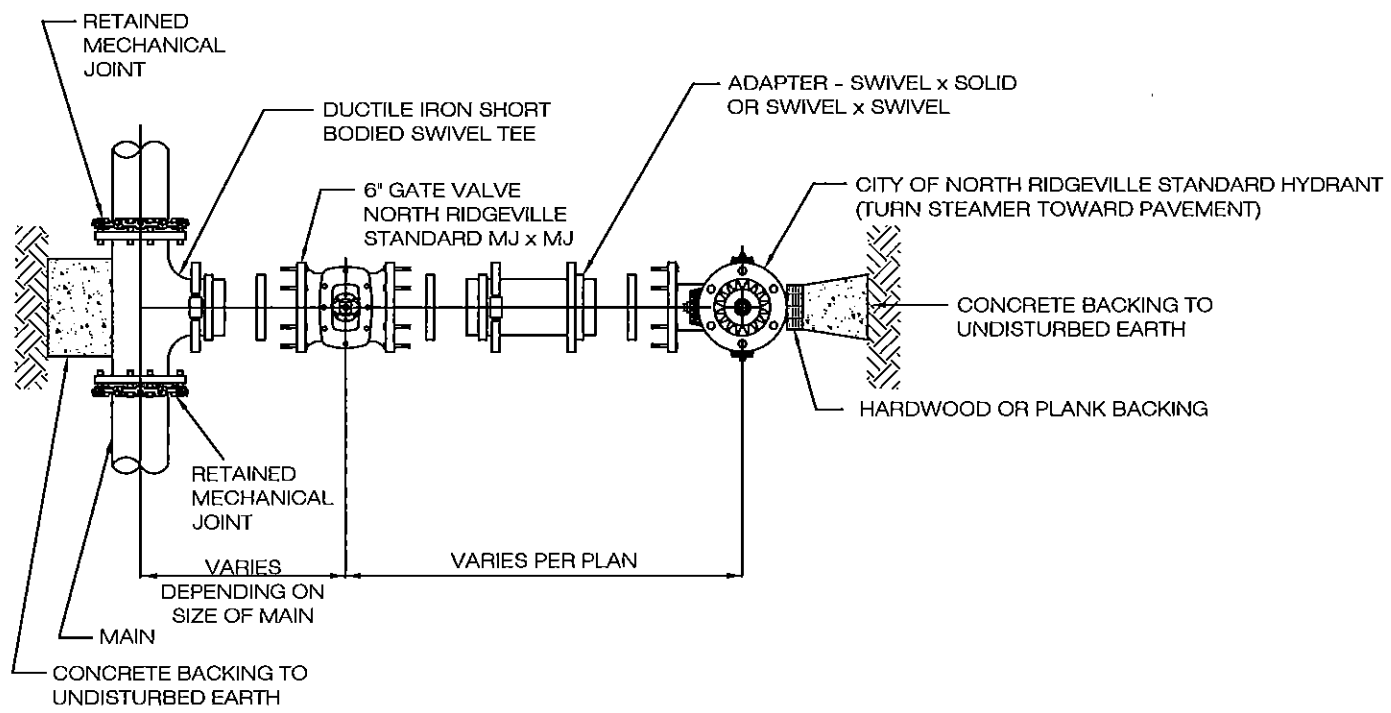
CITY OF NORTH RIDGEVILLE, OHIO
DEPARTMENT OF ENGINEERING

GENERAL HYDRANT

SCALE: NOT TO SCALE
DATE: 10/01/08 | DRWN BY: JAB/TEB

WAT-1

Larry Sifferlen
CITY OF NORTH RIDGEVILLE, ENGINEER



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REV No.	DATE	BY	DESCRIPTION

CITY OF NORTH RIDGEVILLE, OHIO
DEPARTMENT OF ENGINEERING

HYDRANT TYPE A

SCALE: NOT TO SCALE
DATE: 10/01/08 | DRWN BY: JAB/TEB

WAT-2

Larry Sifferlen
CITY OF NORTH RIDGEVILLE, ENGINEER