

## Village of Carpentersville Material Specifications

- Water main Class 52 Ductile Iron with cement coating C-104
- Fittings ANSI-AWWA C153/A21.53 SSB-COMPACT
- Line Locating Trace-Safe Water Blocking Tracer Wire System ([www.trace-safe.com](http://www.trace-safe.com)) in conjunction with Conductive Wedges
- Valves C-515 resilient wedge Clow or Waterous through 24"
- Hydrant Aux. Valves Type- Clow MJ X MJ
- Hydrant Paint  
**Primer** - Rust-oleum High Performance - 9100 System DTM Epoxy Mastic  
**Color:** Safety Gray. 6 to 8 mil application per hydrant.  
**Paint** - Rust-oleum High Performance- 9800 System DTM Urethane Mastic  
**Color:** Safety Red. 4 to 5 mil application per hydrant.
- Fire Hydrants Clow Medallion F2545 Male MJ shoe for 6' bury and less. Over 6' bury- MJ shoe, min.24" max. 36" stub with Mega-Lugs
- Valve Box EJIW-664-S or Tyler 664-S (domestic)
- Valve Box Stabilizer As manufactured by Valve Box Stabilizer Inc. Joliet, IL (815-722-2517)
- Corporation Stop Compression. A.Y. McDonald 4701BT or 4701BQ (ball type) Swivel nut 4750 ST required for 1 ½" and 2" services
- Curb Stop Compression. A.Y. McDonald 6104BT (ball type) Minneapolis Pattern
- Service Couplings Compression. A.Y. McDonald "T" or "Q" series 4758T or 4758Q
- Service Saddles Cascade CS22 (direct tap required for services 1" and smaller on DI)  
Note: Full stainless steel, tapped sleeve may be required depending on condition of main
- Curb Box A.Y. McDonald 5614, Minneapolis pattern. 1 ¼" upper section for ¾" and 1" services (no rod)
- Tapping Sleeves Cascade CSTEM (Heavy Duty Stainless) or equal
- Pipe Restraint EBAA Mega-Lug, Series 1100 (no exceptions) For all MJ fittings (pre-cast concrete block restraint is required in conjunction with Mega-Lugs)
- Transition Couplings Connecting to AC or CI. Ford FC2W or Cascade CRCER with alloy bolts and fusion bonded epoxy coating
- Repair Clamps Full circle single band stainless steel clamps-