

## SPECIFICATIONS:

### 1. FIRE HYDRANT:

- A. Manufacturer: Clow
- B. Model: Medallion F-2545 Breakaway
- C. Color: Red (Yellow for Private Hydrants)
- D. Nozzles: 2 - 2 ½" and 1 - 5 ¼" National Standard
- E. Inlet: Aux Valve attached (Flange - w/mech joint inlet)
- F. Depth: Bury depth (Field Verification)
- G. Required Options: Stainless Steel Hardware  
Valve Box & Stabilizer on Auxiliary Valve

### 2. VALVES:

- A. Manufacturer: Mueller
- B. Seat: Resilient Wedge - 4" thru 12"
- C. Valve Box: Mueller H-10360
- D. Required Option: Stainless Steel Hardware, Valve Box & Stabilizer
- E. In Public Right-of-Way

### 3. TAPPING SLEEVES:

- A. Manufacturer: Smith Blair - Model 665 w/stainless steel bolts

### 4. REPAIR CLAMP

- A. Manufacturer: Smith Blair - Model 261 or Model 264 if a tap is needed.

### 5. SERVICE SADDLES:

- A. Manufacturer: Smith Blair
- B. Model: 317
- C. Use: For the installation of water services above 1" on all  
Cast Iron, Ductile Iron, and PVC water main

### 6. WATER SERVICES:

- A. Material: Type K Copper 1" through 2"  
Ductile Iron 3" and above

### 7. WATER SERVICE FITTINGS:

- A. Material: Brass
- B. Joint Type: Compression
- C. Manufacturer: AY McDonald
- D. Corp. Stop: 747-01-BQ
- E. Curb Stop: 76104Q
- F. Curb Box: 5614 (3/4" - 1"), 5615 (1 ½" - 2")

### 8. WATER MAIN PIPE:

- A. Material: Ductile Iron Class 52 Zinc Coated
- B. Joints: Push Joints or Mechanical Joints (on small footage)

### 9. FITTINGS AND ACCESSORIES:

- A. Glands: Mega Lugs (Restraint on Ductile Iron Pipe)
- B. Stainless Steel Bolts: Required on all valves and hydrants (including T-Bolts)
- C. Field Lok Gaskets: Approved use only
- D. Tracer Wire: Installed on all PVC
- E. Warning Tape: Above all PVC

### 10. SEWER PIPE:

- A. Type: PVC SDR 26 (ASTM D-2241)
- B. Service Size: 6" (Min.)
- C. Connection to Main: Tee fitting with 45 bend (Saddles require approval)
- D. PVC Fittings: SDR 26
- E. Connection Couplings: Non-shear Couplings



VILLAGE OF BENSENVILLE  
12 S. CENTER STREET  
BENSENVILLE, IL 60106  
WWW.BENSENVILLE.IL.US

## SPECIFICATION FOR WATER MAIN AND SEWER CONSTRUCTION

VILLAGE OF BENSENVILLE  
SPECIFICATIONS AND DETAILS

FILE LOCATION

G:\ENGINEERING\ STANDARDS\ NEW  
STANDARDS\ROADWAY

REVISIONS