



City of Odessa  
 Department of Public Works and Engineering  
 Approved Material List for Water Distribution System  
 Effective Date - MAY 11, 2020

| AML# | Product Description   | Manufacturer          | Model           | Remark  |
|------|---|-----------------------|-----------------|---|
| W-1  | Tapping Sleeve  | Ford                  | FTSS            | Stainless steel, stainless steel flanged outlet with recessed cavity for mating to tapping valve; requires a full-facing gasket; minimum working pressure of 150 psi and 316 stainless steel removable bolts with coating to prevent galling.   |
|      |   | Romac                 | SST III         |   |
|      |   | Smith Blair           | 665             |   |
| W-2  | Service Saddles<br>1" to 2" Taps  | Ford                  | FC 202          | For concrete cylinder pipe (4" and larger taps) approval on case-by-case basis using the pipe manufactures guidelines   |
|      |   | Ford                  | FCD 202         |   |
|      |   | Romac                 | 202 NS          |   |
| W-3  | Fire Hydrants   | Mueller               | Super Centurion | Max. bury depth is 5 ft.<br>(including height adjustment adapters).<br>Color to be Yellow. Effective date August 1, 2010  |
|      |   | M & H                 | Model 129       |   |
| W-4  | Gate Valves<br>Sizes 4" through 12"   | Mueller               | n/a             | All gate valves are resilient wedge type, mechanical joint or flange, 2" square block operating nut.  |
|      |   | M & H                 | n/a             |   |
|      |   | Clow                  | n/a             |   |
|      |   | American Flow Control | n/a             |   |
| W-5  | Gate Valves<br>Sizes 14" and Larger   | Mueller               | n/a             |   |
|      |   | M & H                 | n/a             |   |
|      |   | Clow                  | n/a             |   |
| W-6  | Tapping Valves<br>Sizes 4" through 12"  | Mueller               | n/a             | All tapping valves are resilient wedge type with tongue and groove type to fit for the tapping saddle cavity for auto centering of the valve in the saddle.   |
|      |   | M & H                 | n/a             |   |
|      |   | Clow                  | n/a             |   |
|      |   | American Flow Control | n/a             |   |
| W-7  | Tapping Valves<br>Sizes 14" and Larger  | Mueller               | n/a             |   |
|      |   | M & H                 | n/a             |   |
|      |   | Clow                  | n/a             |   |
| W-8  | Compression<br>Curb Stops<br>(Ball Valves with<br>Grip Rings &<br>Lock Hoops) | Ford                  |                 | Curb stops will be full port, double O-ring, locking wing, and 1/4 turn for on and off position. Sized 3/4" to 2" curb stops (ball valves) for 3/4" and 1" will be CC outlet. Curb stops (ball valves) 2" size will be 2" IPT inlet and 2" meter flange outlet. The 2" (ball valves) will be 2" female compression and 1-1/2" meter flange outlet. All ball valves are 360 rotation with locking wing.<br>Angle Stops* Contact Utility Department |
|      |   | 1"                    | B41-444W-G-NL   |   |
|      |   | 2" Straight           | BFH3-777W-G-NL  |   |
|      |   | Mueller               |                 |   |
|      |   | 1"                    | G-25170-1-NL    |   |
| W-9  | Compression<br>Corporation Stops with<br>Grip Rings                           | Ford                  |                 | Corporation stops will be CC thread inlet and outlet for 3/4" & 1" and CC thread inlet and FIP outlet for 2".<br>Note, the city does not use 1-1/2" corporation stops.<br>The tap and service line for 1-1/2" meter applications will be constructed using 2" tap and 2" service line and a 2" x 1-1/2" .   |
|      |   | 1"                    | FB1000-4-G-NL   |   |
|      |   | 2"                    | FB1000-7-G-NL   |   |
|      |   | Mueller               |                 |   |
|      |   | 1"                    | G-25008-1-NL    |   |
| W-10 | Brass Fittings  | Mueller               | Brass           | All brass fittings used to splice or connect to flared copper or HDPE service lines and meter brass will be the listed brand. Flare fittings will not be acceptable.  |
|      |   | Ford                  | Brass           |   |
|      |   | AY McDonald           | Brass           |   |
| W-11 | Protective Wrapping   | n/a                   | n/a             | All mechanical joint connections, tapping sleeves and service saddles will be wrapped with a 8 mil low-density polyethylene material to protect it from contact with the backfill material and concrete.  |
| W-12 | 1" x 3/4" Bushing   | Mueller<br>Ford       | BBAA-43         |   |
| W-13 | Meter Coupling/Nipple   | 3/4" - 2.5" Long      | C38-23-2.5-NL   |   |
|      |   | 1" - 2" Long          | C38-44-2-NL     |   |

DRAWN BY: Ms, So  
 Rev.DATE: JAN 2021  
 SCALE: N T S