CITY OF AUSTIN
STANDARD PRODUCTS LIST
for
SEMI-RIGID COUPLING AND ADAPTERS

USING DEPARTMENT: Water Utility     ISSUED: 01/02/96     REVIEWED: 10/01/14     REVISED: 10/01/14
PREPARED BY: David Rinn     CITY STOCK NUMBER:

DESCRIPTION: Semi-Rigid couplings and adapters for joining no-hub wastewater lines. Shall be made of approved semi-rigid material or shall be covered with stainless steel shear-bands to prevent objectionable movement or offsets between jointed pipes. Stainless steel bands with nut and bolt tighteners (worm gear tighteners not allowed) shall be provided for effecting seals and for securing shear bands in place. Use of these couplers to connect pipes of different sizes is allowed, but size reduction must be by a solid, one-piece semi-rigid material. Size reduction by installing a separate insert or bushing into a size-on-size coupling is not allowed. These items are for use in repair of existing systems, except PVC pipe. They shall not be used in new installation without prior approval of the Utility, or for the repair of new piping.

<table>
<thead>
<tr>
<th>LISTING DATE</th>
<th>MANUFACTURER</th>
<th>PRODUCT IDENTIFICATION/COMMENT</th>
<th>APPROVAL</th>
</tr>
</thead>
</table>
| 01/02/96     | MISSION RUBBER CO., INC.  
P. O. Box 1839  
Corona, CA  71718-1839 | Shielded Couplings  | W. Flynn |
| 10/01/96     | DFW PLASTICS, INC.  
P.O. Box 648  
Bedford, TX  76021-0648 | Non-Shear Couplings and Adapters  | W. Flynn |
| 10/01/08     | FERNCO, INC.  
300 South Dayton Street  
Davison, MI  48423 | 5000 Series Couplings  | R. Lamb |
| 04/01/14     | INDIANA SEAL (A GPK Company)  
1601 43rd Street North  
Fargo, ND  58102 | Indiana Seal flexible coupling with stainless steel Amazon Shear Rings and with bolt clamps at the end connections  | R. Lamb |
| 10/01/14     | FLEX CONNECTIONS, INC.  
(dba JOINTS)  
10699 Hickson Street  
Suite 20  
El Monte, CA  91731 | JTS CRC (Calder Repair Coupling shielded with stainless steel outside shear band)  | R. Lamb |

NOTE: