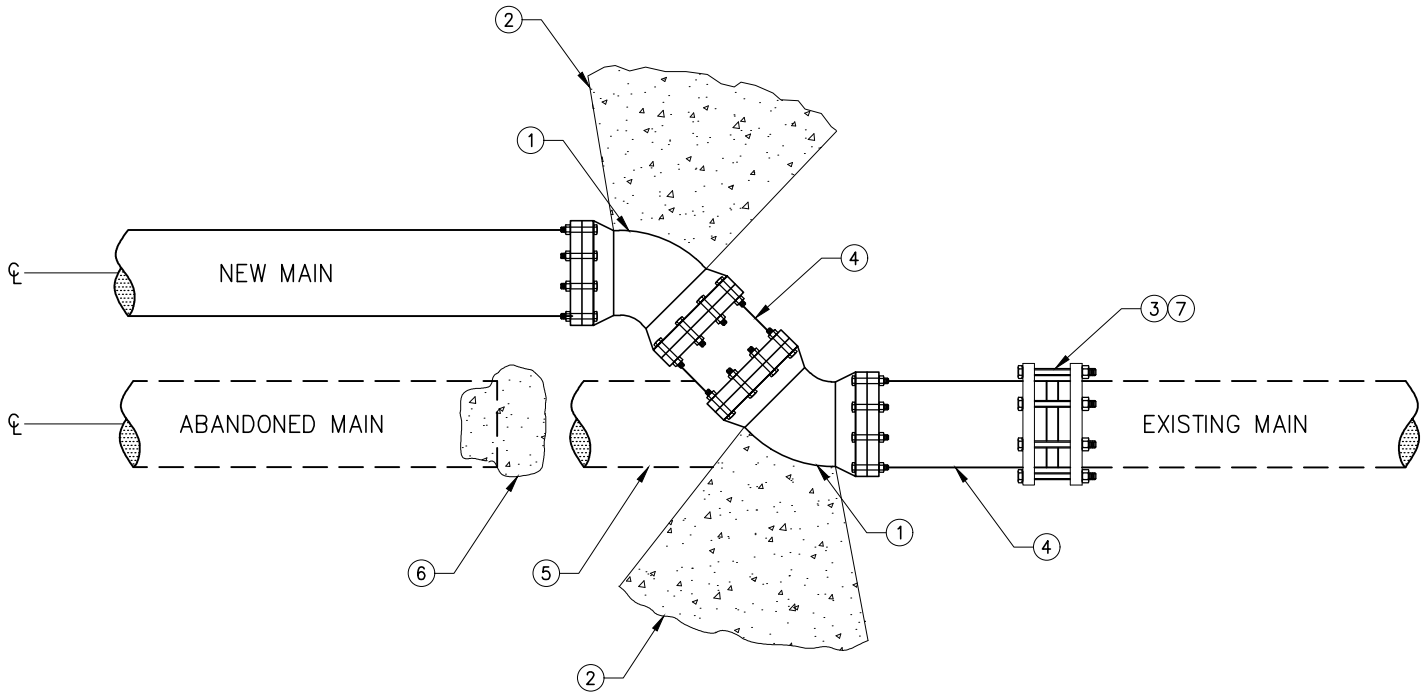


\* NOTE: IF TOO SHALLOW, USE THRUST BLOCK PER STD 516-A



PLAN VIEW

**CONSTRUCTION NOTES**

- ① INSTALL 11 ¼", 22 ½", OR 45° BEND. MJ XMJ WITH RETAINER GLANDS. NO GALVANIZED BOLTS PERMITTED. 316 SS BOLTS AND NUTS REQUIRED. MJ x MJ MUST BE T10 BOLTS AND FL x FL MUST BE STAINLESS STEEL BOLTS.
- ② INSTALL THRUST BLOCK PER STD 516-A.
- ③ INSTALL FORD ULTRA-FLEX LONG SLEEVE WIDE RANGE COUPLING. ALL COUPLINGS SHALL HAVE TYPE 316 STAINLESS STEEL BOLTS, BE FACTORY EPOXY COATED, AND HAVE CENTER SLEEVES LONGER THAN 9".
- ④ INSTALL PIPE OF APPROPRIATE MATERIAL TYPE TO CONNECT MAIN AND SPECIFIED FITTINGS. PIPE SHALL BE C-900 P.V.C. WITH AN SDR-14 THICKNESS. REFER TO PROJECT PLANS.
- ⑤ REMOVE INTERFERING PIPE AND FITTINGS.
- ⑥ CUT AND PLUG EXISTING WATER MAIN WITH CONCRETE.
- ⑦ ALL BELOW GRADE DUCTILE IRON FITTINGS AND PIPING SHALL BE ENCASED WITH A POLYETHYLENE WRAP PER AWWA STANDARD C105. ADD TO UNDERGROUND INSTALLATION.

FORMER CITY STANDARD PLAN NUMBER (2004 EDITION): STD 509-L

|                             |       |            |     |      |                          |
|-----------------------------|-------|------------|-----|------|--------------------------|
| APP. <i>James M. Hinkle</i> | 51568 | 11/24/2020 |     |      |                          |
| CITY ENGINEER               | RCE   | DATE       |     |      |                          |
|                             |       |            | NO. | DATE | DESCRIPTION OF REVISIONS |

**CITY OF NEWPORT BEACH DEPARTMENT OF PUBLIC WORKS**

|                 |   |                      |
|-----------------|---|----------------------|
| DRAWN: M. ELIAS | <b>TYPICAL OFFSET WATER MAIN TIE-IN</b> | STANDARD DRAWING NO. |
| DATE: 11/3/2020 |   | <b>514</b>           |
|                 |   | SHEET 1 OF 1         |