RESTRAINED
RING

EXISTING
DICL MAIN

RESTRAINED
RING

EXISTING PIPES PRIOR TO NEW BRANCH MAIN

RESTRAINED
RING

OLD SOCKET
LOCATION

EXISTING PIPE CUT MIN 1500

EXISTING
DICL MAIN

REFER NOTE 2

NEW PIPE MIN 1500

ISOLATING VALVE,
FL – FL

BRANCH MAIN
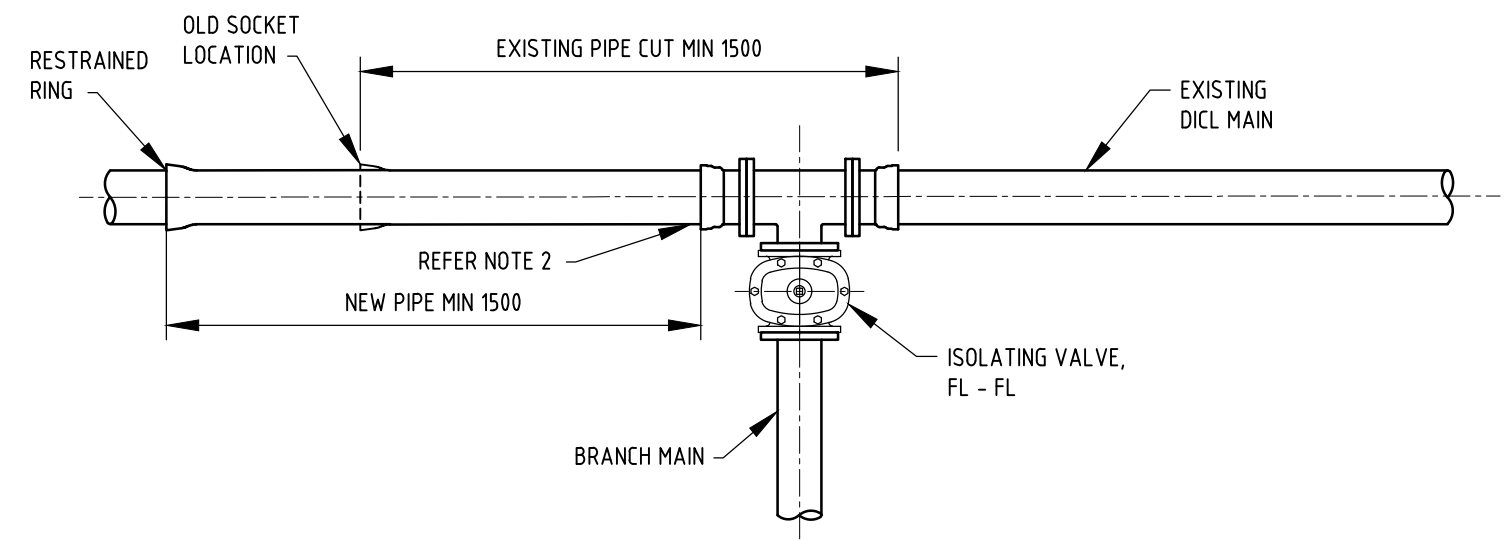
**NEW BRANCH CUT INTO EXISTING MAIN
AT SOCKET END OF PIPE**

TABLE 1
PIPE OD TOLERANCE

PIPE DN	PIPE OD	TOLERANCE
100	122	+1 mm TO – 2 mm
150	177	+1 mm TO – 2 mm
200	232	+1 mm TO – 2 mm
250	286	+1 mm TO – 2 mm
300	345	+1 mm TO – 2 mm
375	426	+/– 2 mm

MIN 500

EXISTING DICL MAIN

ISOLATING VALVE,
FL – FL

BRANCH MAIN
REFER NOTE 3
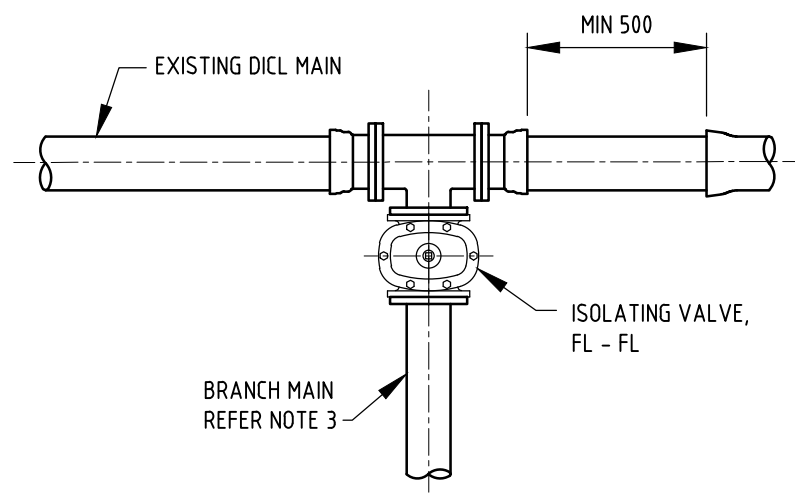
**NEW BRANCH CUT INTO EXISTING MAIN
AT SPIGOT END OF PIPE**

NOTES:

1. REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
2. PRIOR TO THE CUTTING OF NEW SECTION OF PIPE THE NEW PIPE OD SHALL BE CHECKED TO CONFIRM OD IS WITHIN TOLERANCE AND THE PIPE IS SUITABLE FOR INSTALLATION. REFER TABLE 1.
   PIPE WITH A LARGER OD MAY BE CHAMFERED TO ACHIEVE REQUIRED OD. PIPE WITH A SMALLER OD SHALL BE REJECTED.
3. IF NEW BRANCH MAIN IS RESTRAINED JOINT DICL REFER 4005-30005-04.
   IF NEW BRANCH MAIN IS PVC OR NON RESTRAINED JOINT DICL, REFER 4005-30005-03.
4. WHERE THE EXISTING MAIN CANNOT BE SHUT DOWN TO ACHIEVE THE CUT IN, AN UNDER PRESSURE TAPPING SHALL BE PERFORMED. REFER 4005-30005-06.
5. WORK SHALL ONLY BE UNDERTAKEN UNDER THE DIRECTION OF A PERSON WHO HAS COMPLETED AN APPROVED DUCTILE IRON PIPE INSTALLATION TRAINING COURSE.
6. REFER 4005-30003-09 FOR RESTRAINED JOINT REQUIREMENTS IN LIEU OF THRUST/ ANCHOR BLOCKS.
7. WHERE THE RESTRAINED JOINTING SYSTEM IS USED MARKING TAPE SHOWING 'RESTRAINED JOINT SYSTEM' SHALL BE USED.
8. ALL DIMENSIONS IN MILLIMETRES.