BUILDING

'C'

1000mm MINIMUM

750mm

BOUNDARY WALL

FOOTPATH

GRASS VERGE

KERB

CABLE TV

TELECOMMUNICATIONS

MIN. 900mm

'A'

'A'

'B'

WATER MAIN

STORM WATER

FOUNDATION

FOUL SEWER

ELECTRICAL CORRIDOR (DEPTH AND LAYOUT
REQUIREMENTS TO BE CONFIRMED WITH
SERVICE PROVIDER)

NOTE;
NO OTHER SERVICES
TO BE CONSTRUCTED
WITHIN THIS ZONE

| DIAMETER (mm) | 'C' (mm) |
|---|---|
| ≤150 | 3000 |
| 200 - 600 | 5000 |
| >600 | 8000 |

| DIAMETER (mm) | 'A' (mm) | 'B' (mm) |
|---|---|---|
| <300 | 300 | 300 |
| 300 - 450 | 500 | 500 |
| >450 | 3000 | 500 |



1. THE SEPARATION DISTANCES OUTLINED ARE MINIMUM REQUIREMENTS.

2. SPECIFIC SEPARATION CLEARANCE DISTANCES IN EXCESS OF THESE MINIMA
SHALL BE PROVIDED FOR SERVICES SUCH AS GAS, ELECTRICITY, FIBRE-OPTIC OR
OIL FILLED CABLES AS THE CASE MAY BE. THE PARTICULAR UTILITY PROVIDERS
SHALL BE CONSULTED TO DETERMINE THESE MINIMUM SEPARATION DISTANCES
AND EVIDENCE OF THIS CONSULTATION, WITH THE SPECIFIED SEPARATION DISTANCES, SHALL BE PROVIDED TO IRISH WATER AT DESIGN STAGE.

3. WATERMAIN (PROPOSED) SEPARATION DISTANCES

HORIZONTAL
300mm TO DISTRIBUTION MAINS OF LESS THAN 300mm DIAMETER.
500mm TO TRUNK MAINS BETWEEN 300mm AND 450mm DIAMETER.
3m TO ARTERIAL WATER MAINS OF GREATER THAN 450mm DIAMETER.

VERTICAL

300mm TO DISTRIBUTION MAINS OF LESS THAN 300mm DIAMETER.
500mm TO TRUNK/ARTERIAL MAINS OF DIAMETER GREATER THAN 300mm.

ANY PROPOSED PIPE CROSSING SHOULD BE LOCATED MID-WAY BETWEEN THE
WATER JOINTS WITH MINIMUMCLEAR DISTANCE OF 300mm AND UP TO 500mm.
ALL CROSSINGS SHOULD BE AT LEAST 500mm AWAY FROM FITTINGS OR JOINTS.

4. WATERMAIN (EXISTING) SEPARATION DISTANCES

HORIZONTAL
500mm AT EITHER SIDE OF MAINS UP TO AND INCLUDING 200mm IN DIAMETER.
1m AT EITHER SIDE OF MAINS OF 225mm TO 250mm DIAMETER.
2m AT EITHER SIDE OF MAINS OF 300mm TO 375mm IN DIAMETER.
5m AT EITHER SIDE OF MAINS OF 400mm AND450mm IN DIAMETER.

SPECIFIC IRISH WATER ADVISED DISTANCES FOR MAINS IN EXCESS OF 475mm DIAMETER.

5. NOTIFICATION IN WRITING IS REQUIRED SHOULD WORKS BE WITHIN THE FOLLOWING DISTANCES FROM AN EXISTING WATERMAIN OR WASTEWATER RISING MAIN

HORIZONTAL
1000mm AT EITHER SIDE OF EXISTING MAINS LESS THAN OR EQUAL TO 200mm DIAMETER
2000mm AT EITHER SIDE OF EXISTING MAINS OF 250mm TO 350mm DIAMETER
5000mm AT EITHER SIDE OF EXISTING MAINS OF DIAMETER GREATER THAN 350mm
DIAMETER
WHERE DUCTS OR PIPES ARE TO BE LAID CLOSE TO AN EXISTING WATERMAIN OR SEWER IN THE OWNERSHIP OF IRISH WATER, NOTIFICATION IN WRITING SHALL BE
PROVIDED A MINIMUM OF 10 DAYS AHEAD OF ADVANCEMENT OF THE WORK
NOTIFICATION IN WRITING IS REQUIRED SHOULD WORKS BE WITHIN 1.5m DISTANCE OF
A WASTEWATER SEWER. REQUIREMENTS SHALL ALSO APPLY TO TRIAL HOLES OR SLIT
TRENCHES TO LOCATE THE MAIN OR GAIN GROUND INFO DATA.
LARGER DIAMETERS >300mm DISTRIBUTION AND TRUNK MAINS, IRISH WATER MUST BE
NOTIFIED AT LEAST 1 MONTH IN ADVANCE. DEVELOPERS SHALL ALSO COMPLY WITH
ANY NOTIFICATION REQUIREMENTS OF OTHER UTILITY PROVIDERS (ESB, GAS MAIN,
TELECOMMUNICATION ETC). 6. DETAILED PROPOSALS, INCLUDING WORK METHOD
STATEMENTS, INSURANCE CONFIRMATION AND DETAILS OF WORK COMPLETED OF A
SIMILAR NATURE MUST BE SUBMITTED TO IRISH WATER FOR REVIEW. ALL SUCH WORKS
IN THE VICINITY OF ARTERIAL WATER MAINS AND SEWER (MAINS GREATER THAN 400mm)
SHALL BE SUBJECT TO WRITTEN AGREEMENT WITH IRISH WATER BEFORE CONSTRUCTION COMMENCES ON SITE. THIS AGREEMENT SHALL ALSO INCLUDE ANY
NECESSARY PROTECTION FOR WATER MAINS.
7. ANY DAMAGE SHALL BE NOTIFIED IMMEDIATELY TO IRISH WATER. THE PERSON
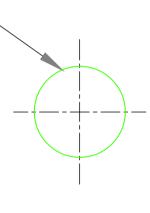WHO CAUSES THE DAMAGE TO A WATER MAIN OR FITTING WILL BE DEEMED TO
HAVE COMMITTED AN OFFENCE UNDER SECTION 45 OF THE WATER SERVICES ACT 2007.
8. WATERMAINS OF ANY SIZE SHALL NOT BE WITHIN 1m OF THE BOUNDARY TO A PREMISES.
9. UNDER NO CIRCUMSTANCES WILL IRISH WATER ACCEPT WATER MAIN INSTALLATIONS UNDER STRUCTURES, EXISTING OR PROPOSED, OR IN CLOSE PROXIMITY TO ANY EXISTING STRUCTURES OR FEATURES THAT WILL INHIBIT ACCESS FOR POST INSTALLATION MAINTENANCE AND ACCESS.
10. WHERE THE DESIGN DEVIATES FROM THIS STANDARD DETAIL, THE DESIGN SHALL
BE SUBJECT TO THE REVIEW OF IRISH WATER.
11. SEPARATION DISTANCES BETWEEN UTILITIES MAY BE INCREASED TO PROVIDE FOR
CHAMBER & THRUST BLOCKS AT BENDS.

**Separation Distances as per STD-W-11**