

TYPICAL IRISH WATER DETAIL FOR WATER SERVICE



ED WITHIN A CHAMBER OR KIOSK. SHALL BE ARRANGED IN SUCH A MANNER TO ALLOW THE NETWORK TO BE MANAGED TO ENSURE THAT NO MORE THAN 40

BE ARRANGED IN SUCH A MANNER TO ALLOW THE RETWORK TO BE MANNED TO ENSURE THAT NO MICHE THAN 40 LOSE WATER FROM A BURST ON THE SYSTEM AT ANY ONE TIME.
PROPERTY SHALL BE MORE THAN 40M FROM A HYDRANT, HYDRANT DETAILS AND LOCATIONS SHALL BE SUBJECT TO THE
F THE RELEVANT LOCAL AUTHORITY FIRE DEPARTMENT.
** MAINS SHALL BE LAID IN COMMON AREAS AND NOT THROUGH INDIVIDUAL PRIVATE GARDENS OR DRIVEWAYS ETC.
**(ALVE ARRANGEMENT SHALL BE PROVIDED AT ALL JUNCTIONS, AS A MINIMUM.
**IMPREVIOUS TO NEW DEVLOPMENTS SHOULD BE LOCATED AT THE RIGHT HAND SIDE OF THE ENTRANCE TO THE NEW
**IT (FROM A VIEW FACING INTO THE DEVELOPMENT) IF POSSIBLE AND WHERE THE PROPERTIES ARE EQUALLY AND REASONABL
**A PROVINCING OF THE ESTATE READWAY.

TBC PRIOR TO

PROPOSED WATER M

EXISTING WATER MAIN

Me METER (>40 HOUSES)

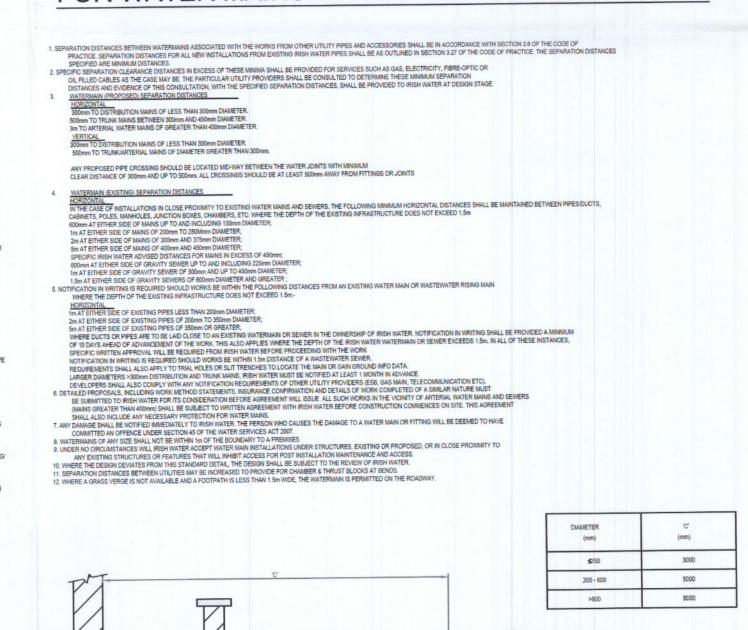
S.V.

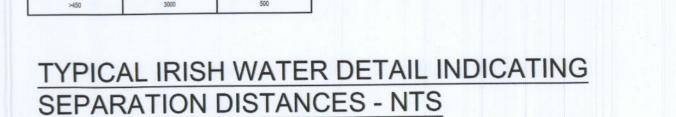
SLUICE VALVE Sc.V. SCOUR VALVE

O ---- HYDRANT A.V.
AIR VALVE

VATERMAIN CONNECTION INTERFACE AT SITE

OUNDARY





300 500

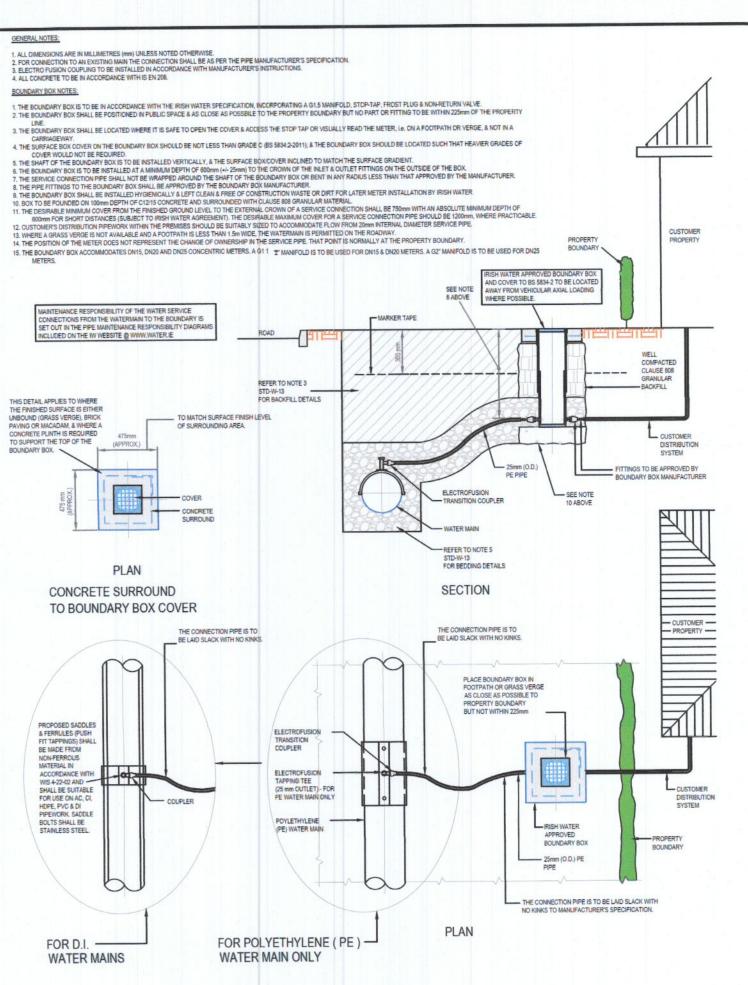
DIAMETER

(mm)

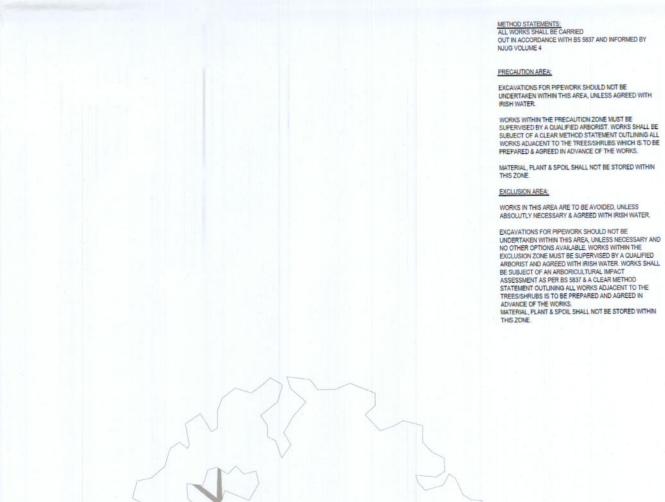
ALTERNATIVE LOC

WATERMAIN ON THE TRAFFICKE! AREA WILL BE CONSIDERED BY IRISH WATER (SEE NOTE 12 ABOVE)

FOUL SEWER



TYPICAL IRISH WATER DETAIL FOR CUSTOMER CONNECTION & BOUNDARY BOX (25mm OD OPE) - NTS



TYPICAL IRISH WATER DETAIL FOR RESTRICTIONS ON NEW TREES / SHRUBS PLANTING ADJACENT TO WATER MAINS - NTS

S2.P01 ISSUED FOR PLANNING

THE DISTANCES GIVEN IN TABLE A.1. OF BS 5837 MUST BE FURTHER INFORMED BY THE SPECIES & DIAGRAM 2 BELOW. DIAGRAM 1 ABOVE PROVIDES A FLOW CHART TO THE DECISION PROCESS WHILST DIAGRAM 2 BELOW IS TO BE USED TO INFORM THE PLANTING REGIME.

PLEASE NOTE THAT TABLE A.1, OF BS 5837 (BELOW) IS TO BE USED TO CALCULATE THE ABSOLUTE MINIMUM DISTANCE BETWEEN NEW TREE PLANTING FROM THE WATER INFRASTRUCTURE (THE SERVICES). THE DISTANCE IS REQUIRED TO AVOID DIRECT DAMAGE TO THE INFRASTRUCTURE FROM FUTURE GROWTH. THE DISTANCE IS A FUNCTION OF THE DEPTH OF THE SERVICES AND THE (FINAL EXPECTED) STEM DIAMETER OF THE TREE AT MATURITY (ILE FRAIL EXPECTED GROWTH).

THUS FOR EXAMPLE:

-FOR A SERVICE LESS THAN 1 METRE DEEP, THE MINIMUM DISTANCE IS TO BE 1.5m FOR A TREE BETWEEN 300 AND 600mm STEM DIAMETER AT MATURITY.

-FOR A SERVICE GREATER THAN 1 METRE DEEP, THE MINIMUM DISTANCE IS TO BE 1.0m FOR A TREE BETWEEN 300 AND 600mm STEM DIAMETER AT MATURITY.

JOINTS). THE LANDSCAPE DESIGN AND DETAILS OF THE SPECIAL PROTECTION MEASURES MUST BE AGREED WITH IRISH WATER

NOTE: OTHER SPECIES NOT NAMED TO BE PLANTED TO THE

SAME SPACINGS DEPENDING

inal stem dia. < 300mm

NOTE: RESTRICTIONS RELATE TO INFRASTRUCTURE WITHOUT ROOT INTRUSION PROTECTION.

A TREE SHALL NOT BE PLANTED DIRECTLY OVER WATER INFRASTRUCTURE WHERE EXCAVATION OF THE INFRASTRUCTURE WOULD REQUIRED REMOVAL OF THE TREE UNLESS SUCH PLANTING IS AGREED WITH IRISH WATER AND IN GENERAL ONLY SHALLOW ROOTING SHRUBS SHALL BE PLANTED CLOSE TO WATER INFRASTRUCTURE.

VITHOUT BARRIER PROTECTION



2022-08-05 BB GB

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WATERMAINS

WITHOUT ROOT BARRIERS OR PROTECTION MEASURES

NOTE THAT VALUES REFER TO PLANTING DISTAND

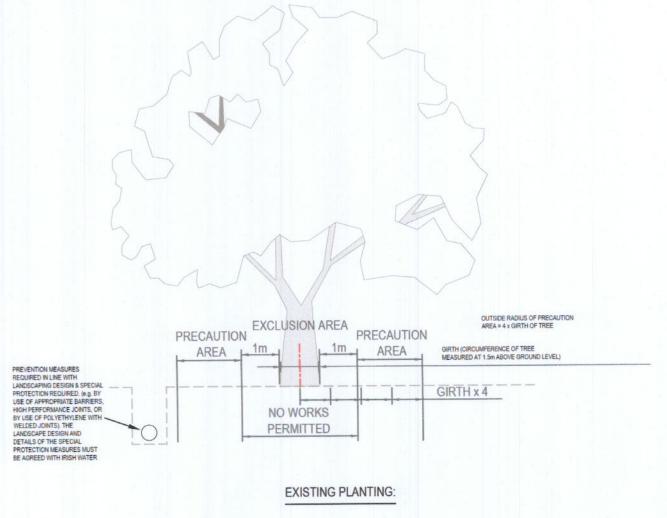
10.0m

6.0m

Final stem dia. 300mm to 600mm Final stem dia. > 600mm

DIAGRAM 2: PLANTING DISTANCES FOR DIFFERENT SPECIES

Rev.	Note	Note							Date		vn	Check
DONNACHADH O'BRIEN & ASSOCIATES CONSULTING ENGINEERS NAAS CO. KILDARE								PHONE +353 45 984 042 INFO@DOBRIEN-ENGINEERS.IE WWW.DOBRIEN-ENGINEERS.IE				
Client:		RATHGEARAN LTD										
Project:		PR HOUSING DEVELOPMENT, MAIN ST. NEWCASTLE, CO DUBLIN										
Drawing	PROPOSED TYPICAL WATERMAIN DETAILS SHEET 1 of 3											
Drawn E	By: (N	Checked By: GB		Approved By: DOB	Date: JULY 2022		Scale: 1:200	Sheet		Size:		
Project Number: DOBA2203			Drawing Number: 2203-DOB-XX-SI-DR-C-0130					St	S2	de: F		Number: P01



TYPICAL IRISH WATER DETAIL FOR RESTRICTIONS ON WATER INFRASTRUCTURE WORKS ADJACENT TO EXISTING TREES - NTS

CONNECTION RESPONSIBILITY - NTS ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTE ADEQUATELY RESTRAINED BY THRUST BLOCKS AS PER DRAWING No. STD-W-28. THRUST BLOCKS NOT SHOWN FOR CLARITY. NEW PE - EXISTING AC / CI / uPVC (SAME SIZE AS NEW) O CONFIRM QUALITY ASSURANCE COMPLIANCE, EACH JOINT IALL BE CLEARLY MARKED WITH THE JOINT LOGGED LITOMATICALLY ON THE JOINTING MACHINE. A PRINTOLIT OF THE DINT DETAILS, WITH A GPS LOCATION OF EACH JOINT, SHALL BE PROVIDED AND RETAINED FOR QUALITY ASSURANCE PURPOSES WATER OR AN APPROVED IRISH WATER AGENT. NEW PE - EXISTING AC / CI / uPVC (DIFFERENT SIZE TO NEW) DISPOSAL OF EXISTING AC AND METHOD OF CONNECTION TO EXISTING AC. PIPE MATERIAL REFERENCES AS FOLLOWS: PE - PULI'RE INTLEME BYC - UNPLASTICISED POLY VINYL CHLORIDE ST - STEEL OTHER - REFERS TO ALL EXISTING PIPE MATERIALS OTHER THAN PE TYPICALL AC, DI, CI, uPVC & ST). (DI) AND STD-W-15 (PE). CHAMBERS NOT SHOWN FOR CLARITY LL THRUST FLANGES TO BE ADEQUATELY RESTRAINED BY THRUST BLOCKS AS PER DRAWING No. STD-W-28. THRUST BLOCKS **NEW PE - EXISTING DI** HIGH LEVEL OF HEALTH & SAFETY PROCEDURES IS REQUIRE WHEN WORKING ON AC MAINS, & THE OPERATION OF DISMANTLING/ REMOVAL OF AC PIPES & JOINTS. /ALVES SHALL BE ARRANGED IN SUCH A MANNER TO ALLOW FOR THE NETWORK TO BE MANAGED TO ENSURE THAT NO MORE THAN 40 PROPERTIES LOSE WATER FROM A BURST ON THE SYSTEM AT ANALOG AND THE SYSTEM AT NEW DI - EXISTING AC / CI / uPVC **NEW DI - EXISTING DI** NEW PE - EXISTING PE NEW DI - EXISTING PE TYPICAL IRISH WATER DETAIL FOR

GENERAL PIPE CONNECTIONS - NTS