

**STD-WW-01. WASTEWATER SERVICE CONNECTION CONNECTION MAINTENANCE RESPONSIBILITY.**

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**STD-WW-03. DRAIN AND SERVICE CONNECTION PIPEWORK.**

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**STD-WW-04. TYPICAL SEWER/SERVICE PIPE CONNECTION.**

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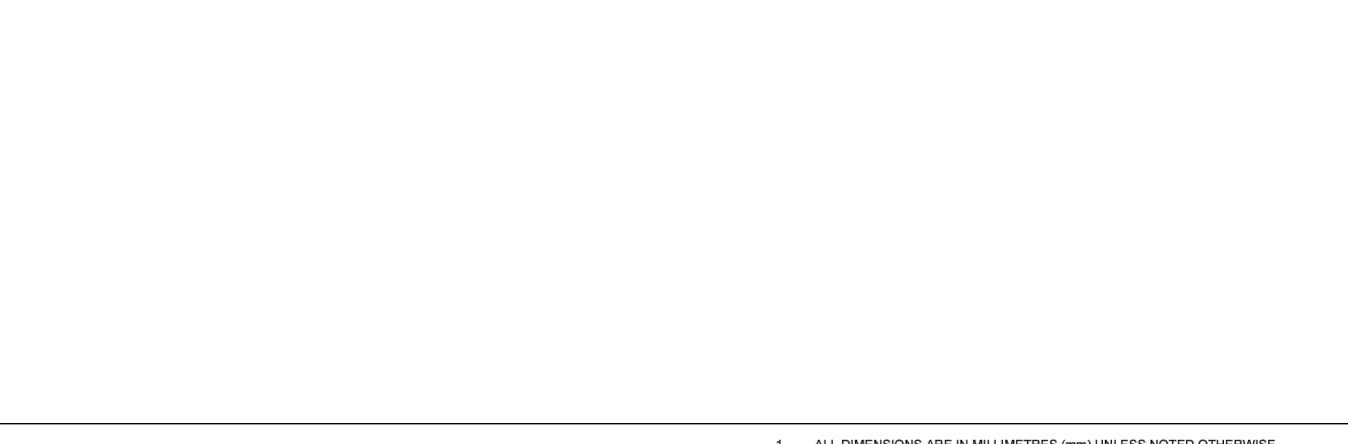
MAINTENANCE RESPONSIBILITY	
(A) SEWER	RISH WATER
(B,C) SERVICE CONNECTION (INCLUDING SADDLE)	SEE NOTE ABOVE
INSPECTION CHAMBER	PROPERTY OWNER
(C) DRAIN	PROPERTY OWNER
INTERNAL PLUMBING	PROPERTY OWNER

MAINTENANCE RESPONSIBILITY OF THE WASTEWATER SERVICE CONNECTIONS FROM THE SEWER TO THE BOUNDARY IS SET OUT IN THE PIPE MAINTENANCE RESPONSIBILITY DIAGRAMS INCLUDED ON THE IW WEBSITE @ WWW.WATER.EE



**DIAGRAM 1: DECISION FLOW CHART**

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**CROSS SECTION IN ROADS**

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**METHOD STATEMENTS:**  
ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH BS 5837 AND INFORMED BY NUIG VOLUME 4.

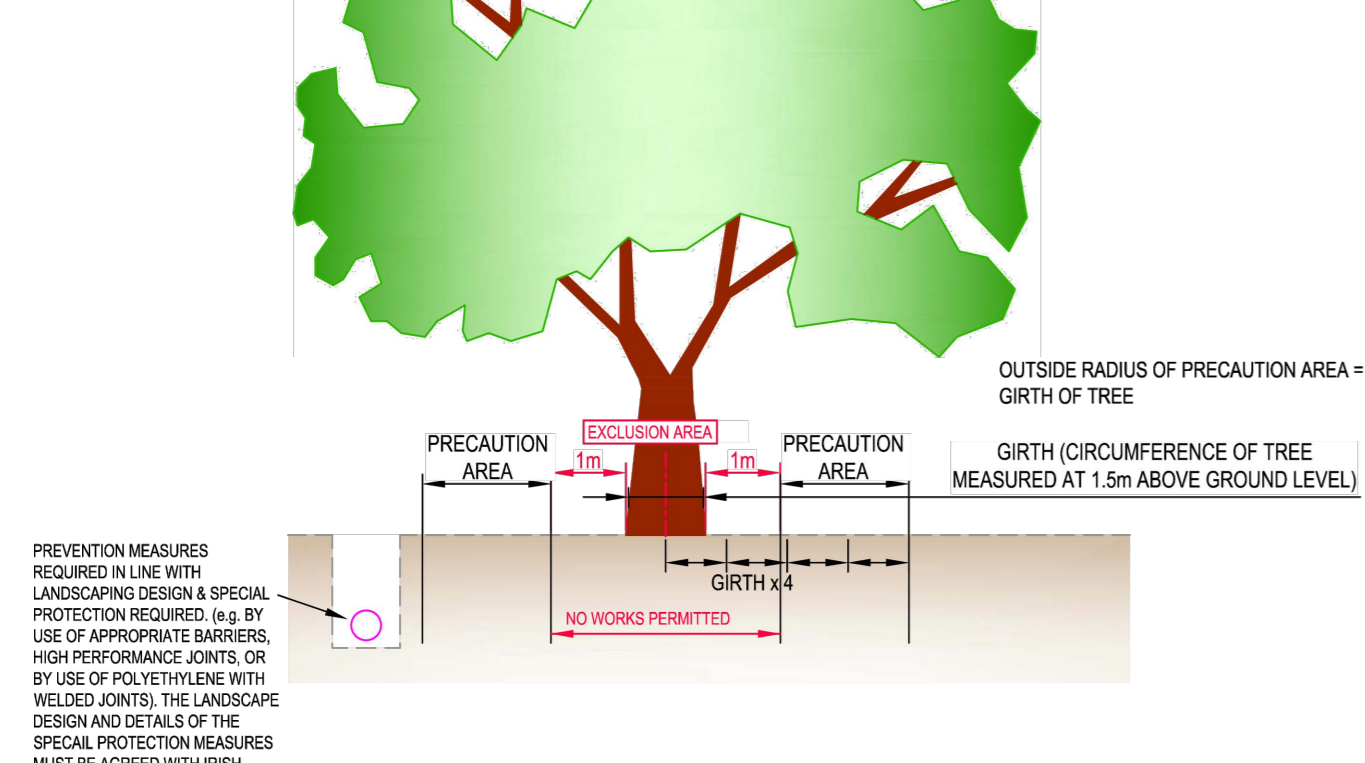
**PRECAUTION AREA:**  
EXCAVATIONS FOR PIPEWORK SHOULD NOT BE UNDERTAKEN WITHIN THIS AREA, UNLESS AGREED WITH RISH WATER.

**WORKS WITHIN THE PRECAUTION ZONE MUST BE SUPERVISED BY A QUALIFIED ARBORIST. WORKS SHALL BE SUBJECT OF A CLEAR METHOD STATEMENT OUTLINING ALL WORKS ADJACENT TO THE TREES/SHRUBS WHICH IS TO BE PREPARED & AGREED IN ADVANCE OF THE WORKS.**

**MATERIAL, PLANT & SPOL SHALL NOT BE STORED WITHIN THIS ZONE.**

**EXCAVATIONS FOR PIPEWORK SHOULD NOT BE UNDERTAKEN WITHIN THIS AREA, UNLESS NECESSARY AND NO OTHER OPTIONS AVAILABLE. WORKS WITHIN THE EXCLUSION ZONE MUST BE SUPERVISED BY A QUALIFIED ARBORIST AND AGREED WITH RISH WATER. WORKS SHALL BE SUBJECT OF AN ARBORICULTURAL IMPACT ASSESSMENT AS PER BS 5837 & A CLEAR METHOD STATEMENT OUTLINING ALL WORKS ADJACENT TO THE TREES/SHRUBS IS TO BE PREPARED AND AGREED IN ADVANCE OF THE WORKS.**

**MATERIAL, PLANT & SPOL SHALL NOT BE STORED WITHIN THIS ZONE.**



**EXISTING PLANTING:**

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TABLE A.1. BS 5837	Minimum distance between young trees or new planting & structures, in metres (m)
Services	Final stem dia. < 300mm
< 1m deep	0.5
> 1m deep	1.5
	Final stem dia. 300mm to 600mm
	1.5
	Final stem dia. > 600mm
	3.0

THE DISTANCES GIVEN IN TABLE A.1. OF BS 5837 MUST BE FURTHER INFORMED BY THE SPECIES & IN DIAGRAM 2 BELOW. DIAGRAM 1 ABOVE PROVIDES A FLOW CHART TO THE DECISION PROCESS. THE TABLE 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 WASTEWATER INFRASTRUCTURE (THE SERVICES). THE DISTANCE IS REQUIRED TO AVOID DIRECT DAMAGE TO THE INFRASTRUCTURE FROM FUTURE GROWTH. THE DISTANCE IS A FUNCTION OF THE DEPTHS OF THE SERVICES AND THE (FINAL EXPECTED) STEM DIAMETER OF THE TREE AT MATURITY (i.e. FINAL EXPECTED GROWTH).

THIS IS 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.

**NOTE: RESTRICTIONS RELATE TO INFRASTRUCTURE WITHOUT ROOT INTRUSION PROTECTION.**

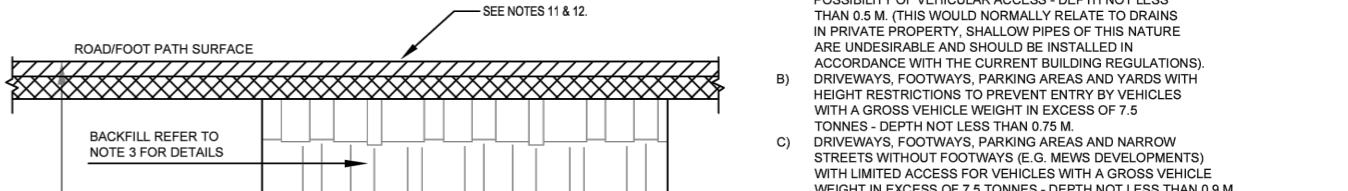
THE DESIGN OF LANDSCAPING SHALL BE UNDERTAKEN IN CONJUNCTION WITH THE DESIGN OF WASTEWATER INFRASTRUCTURE. ETC. THE TREE/SHRUBS SHALL NOT BE LOCATED CLOSER TO THE WASTEWATER INFRASTRUCTURE THAN INDICATED ABOVE, EXCEPT WHERE SPECIAL PROTECTION MEASURES ARE PROVIDED. WHERE THERE IS A RISK OF TREE/ROOT INTRUSION, THE WASTEWATER INFRASTRUCTURE SHALL BE RESISTANT TO TREE ROOT INGRESS (i.e. BY USE OF APPROPRIATE BARRIERS, HIGH PERFORMANCE JOINTS, OR BY USE OF POLYETHYLENE WITH WELDED JOINTS FOR RISING MAINS). THE LANDSCAPE DESIGN AND DETAILS OF THE SPECIAL PROTECTION MEASURES MUST BE AGREED WITH RISH WATER.

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

PLEASE ENSURE THAT THESE DISTANCES ARE ADHERED TO IN ORDER TO PROTECT THE TREES FROM ANY FUTURE MAINTENANCE. REFERENCE SHOULD ALSO BE MADE TO BS 5837, BS 8545 AND THE NUIG GUIDELINES VOLUME 4 FOR FURTHER INFORMATION.

**DIAGRAM 2: PLANTING DISTANCES FOR DIFFERENT SPECIES WITHOUT BARRIER PROTECTION**

NOTE THAT VALUES REFER TO PLANTING DISTANCES WITHOUT ROOT BARRIERS OR PROTECTION MEASURES



**CROSS SECTION IN GRASSED AREAS**

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**STD-WW-06. RESTRICTIONS ON WASTEWATER INFRASTRUCTURE WORKS ADJACENT TO TREES.**

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**STD-WW-06A. RESTRICTIONS ON NEW TREES/SHRUBS PLANTING ADJACENT TO SEWERS.**

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**STD-WW-07. TRENCH BACKFILL AND BEDDING.**

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Rev. No.	Date	REVISION NOTE	Dr. By	Chkd. By
P1	16.05.2024	ISSUED FOR STAGE 2 PLANNING	JF	GL
P2	28.06.2024	ISSUED FOR STAGE 3 PLANNING	JS	JF
P3	23.07.2024	ISSUED FOR REVIEW	JS	JF
P4	08.08.2024	ISSUED FOR REVIEW	JF	GF
P5	13.08.2024	ISSUED FOR PLANNING SUBMISSION	JS	GF

Client	Project	Title	Dwg. No.	Date	Dr. by	Chkd. by	Appr. by	Scale	Revision
LDA	Clongriffin Blocks 5 & 6	Foul Water Drainage Details Sheet 1 of 2	CLN-CSC-XX-XX-DR-C-0132	MAY 2024	JS	JF	NB	AS SHOWN @ A1	P5

**PLANNING DRAWING.**  
NOT FOR CONSTRUCTION.  
ALL LEVELS GIVEN ARE RELATIVE TO ORDNANCE DATUM.  
THIS DRAWING HAS BEEN ISSUED FOR INFORMATION PURPOSES ONLY AND MUST NOT BE USED FOR CONSTRUCTION UNDER ANY CIRCUMSTANCES

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