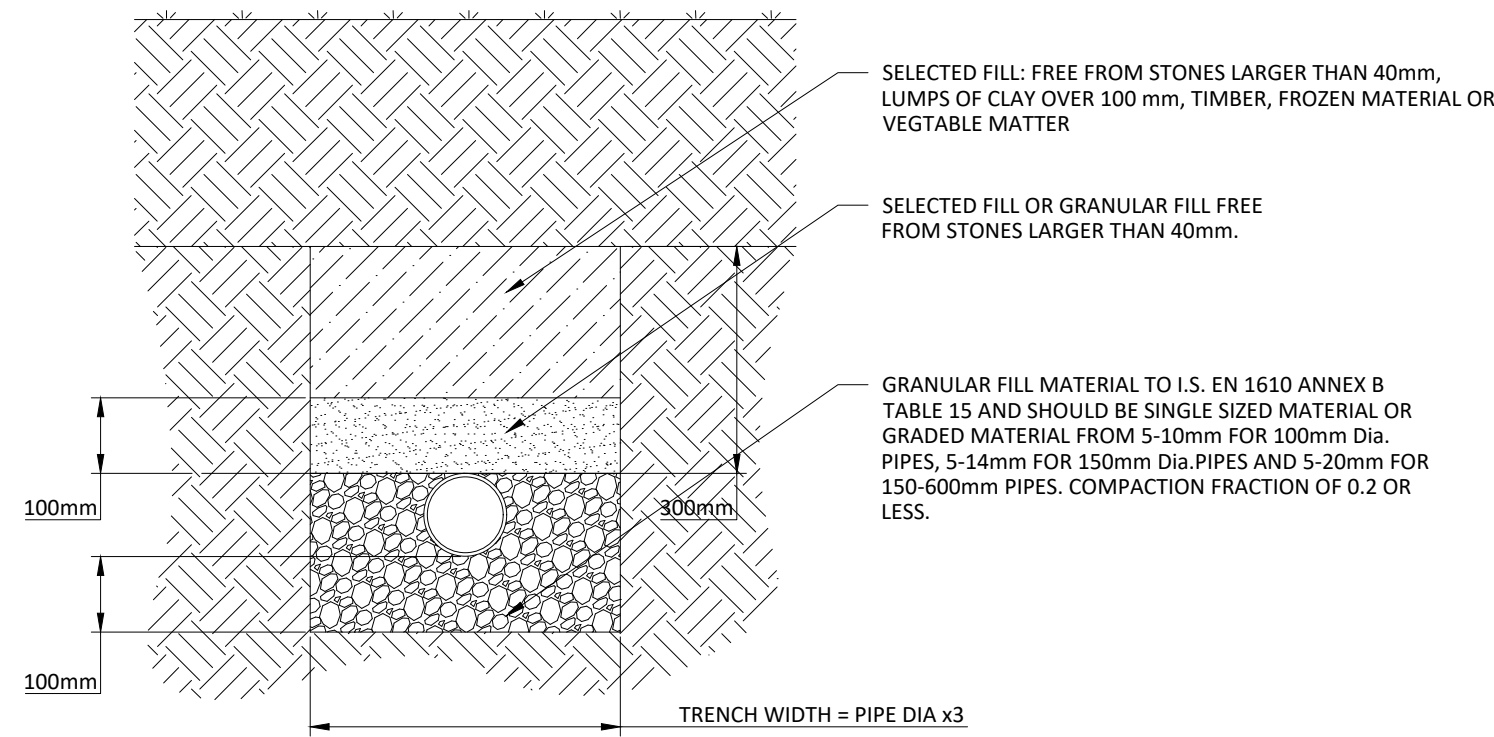
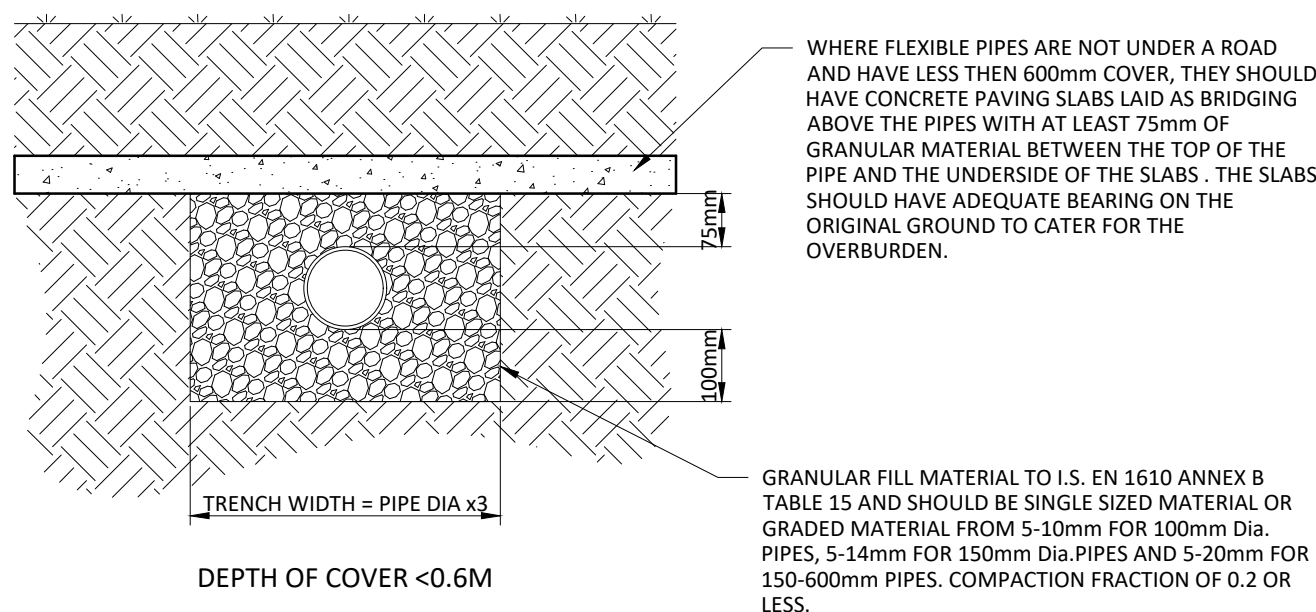


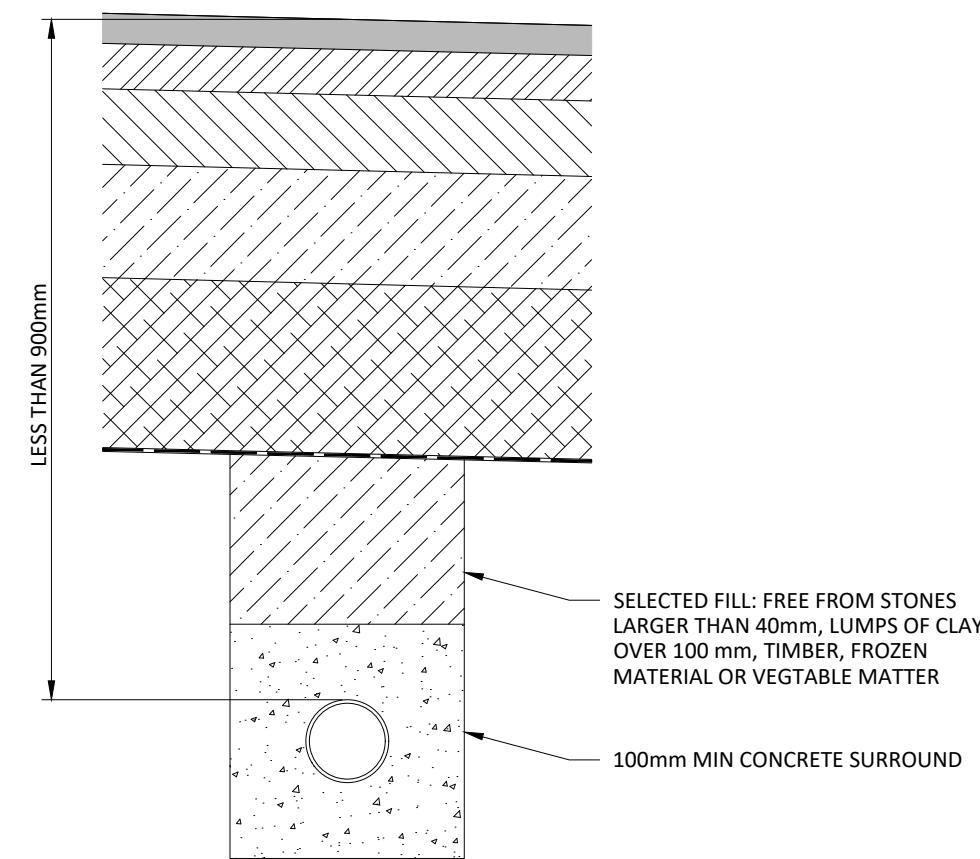
BEDDING FOR PIPES FROM TECHNICAL GUIDANCE DOCUMENT PART H (BUILDING REGULATIONS 2010)



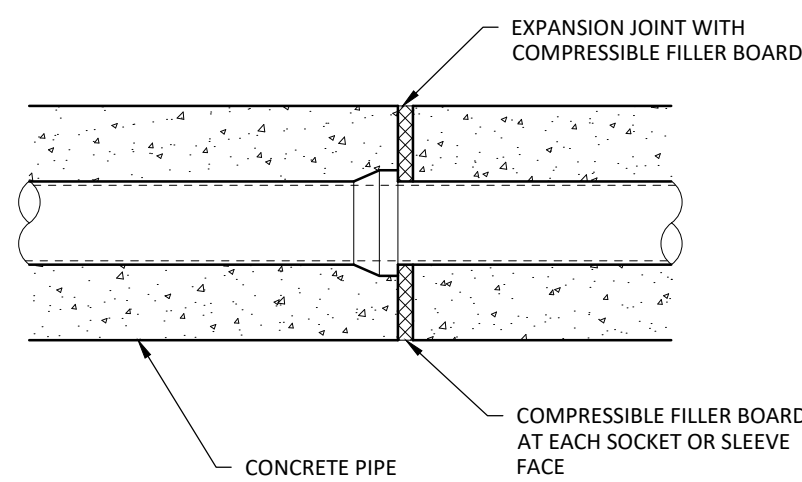
PIPES WITH MORE THAN 600mm COVER IN A GARDEN OR 900mm IN A ROAD



PIPES ARE UNDER A GARDEN WITH HAVE LESS THAN 600mm COVER ,

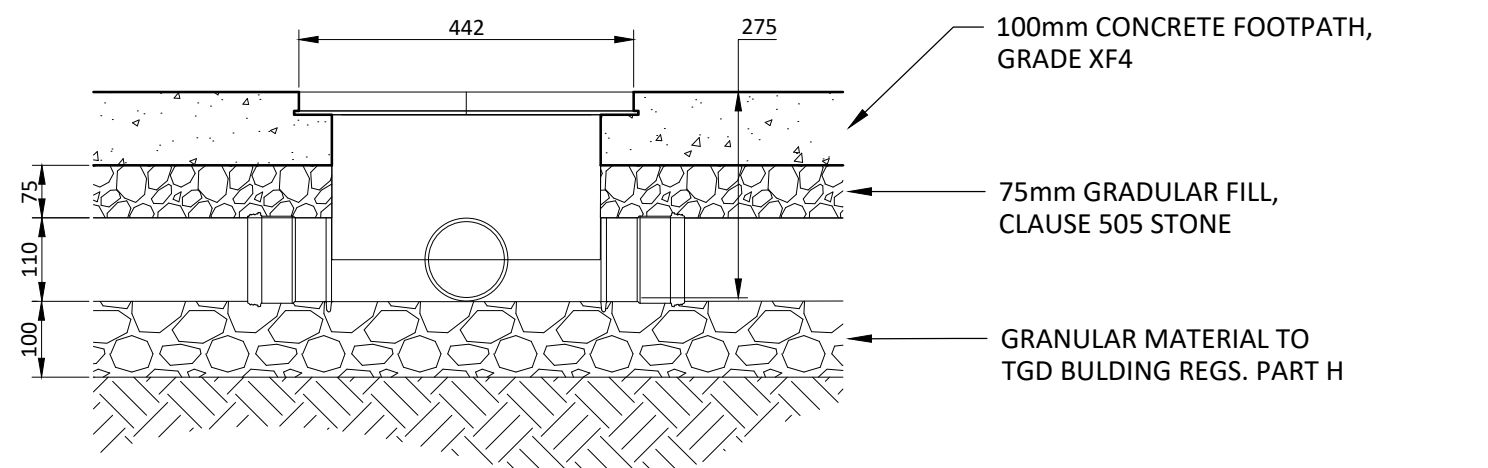


PIPES ARE UNDER A ROAD WITH HAVE LESS THAN 900mm COVER ,

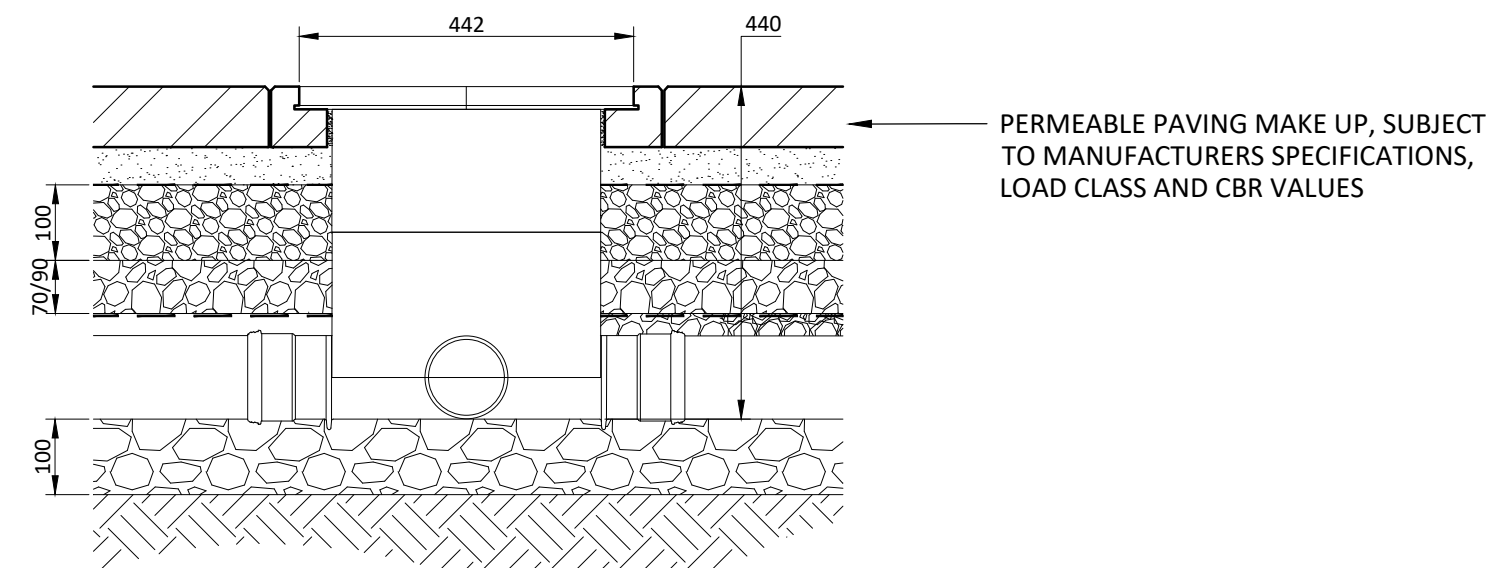


CONCRETE ENCASEMENT AT JOINTS

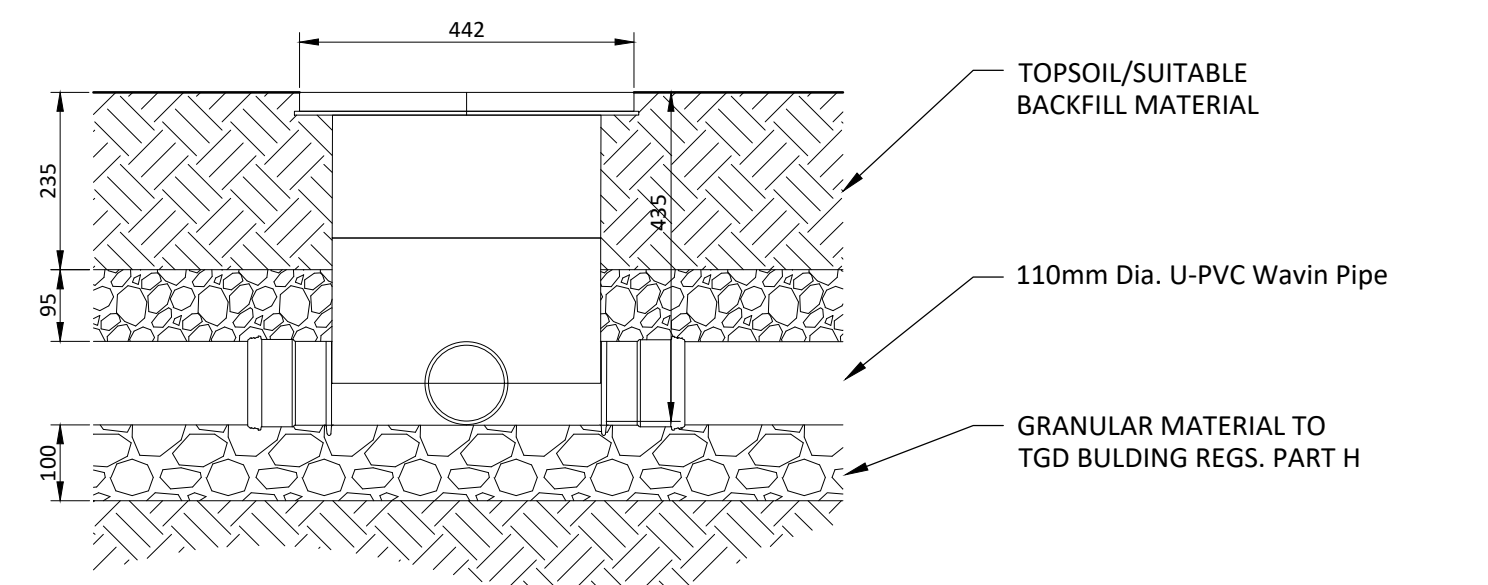
- NOTES:
1. PROVISION MAY BE REQUIRED TO PREVENT GROUND WATER FLOW IN TRENCHES WITH CLASS N,F OR B TYPE BEDDING.
 2. MAXIMUM DEPTH TO BE 10m.
 3. WHERE THERE ARE SOCKETS, THESE SHOULD NOT BE LESS THAN 50mm ABOVE THE BASE OF THE TRENCH.
 4. CONCRETE FOR PIPE ENCASEMENT SHOULD BE COMPOSED OF CEMENT (CONFORMING TO I.S. EN 197-1: 2001 CEMENT - PART 1 : COMPOSITION, SPECIFICATIONS AND CONFORMITY CRITERIA FOR COMMON CEMENTS) AND FINE COURSE AGGREGATE (CONFORMING TO I.S. EN 12620: 2002/A1: 2008 AGGREGATES FOR CONCRETE) AND SHOULD HAVE A CHARACTERISTIC 28 DAY STRENGTH OF C8/10 N/mm² (AS PER I.S. EN 206-1: 2001 CONCRETE - SPECIFICATION, PERFORMANCE, PRODUCTION AND CONFORMITY), CEMENT CONTENT OF 160 kg/m³ AND A WATER / CEMENT RATIO OF 0.85. WHERE VOLUMETRIC MIXING IS REQUIRED FOR SMALL PROJECTS, A 1:10 CEMENT AGGREGATE MIX MAY BE USED.



AJ CONSTRUCTION DETAIL FOR FOOTPATH



AJ CONSTRUCTION DETAIL FOR PERMEABLE BLOCK PAVING

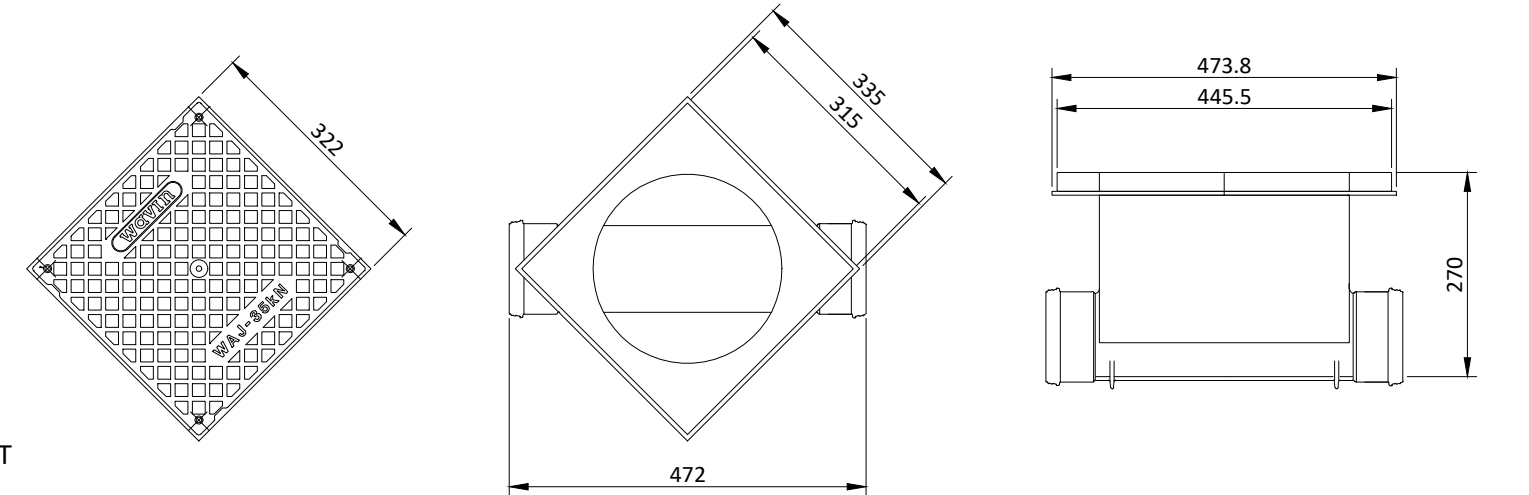


AJ CONSTRUCTION DETAIL FOR LANDSCAPED AREA

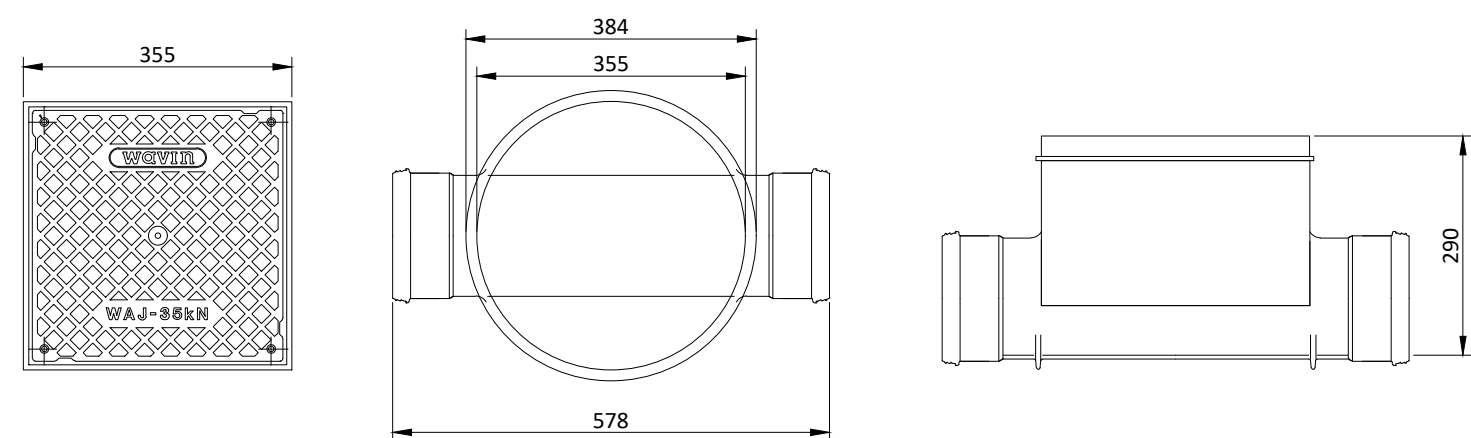
- General Notes
1. Do not scale from this drawing. Refer to Architects drawings for all works levels and setting out.
 2. This drawing is to be read in conjunction with all other Engineer's and Architect's drawings and specifications. Where discrepancies are observed please notify CHC for clarification.
 3. Contractor to check all levels (existing and proposed), setting out and dimensions on site prior to commencement of the works and advise the consultants of any discrepancies.
 4. All works to be constructed in accordance with current building control legislation, local authority requirements and good building practice.
 5. All Insulation, weathering materials (dpc, dpm, flashings etc), radon barriers and sumps and all sub-floor ducting all to Architect's details.
 6. Location of all service pop-ups to be confirmed and set out by the Architect.
 7. Refer to Architect's drawings and specifications for fire strategy and all fire protection requirements
 8. All materials and products specified must carry CE marking and Declarations of Performance as appropriate.
 9. Contractor shall note the recommendations of the site investigation report in respect of all excavation depths, ground water levels and identification of required adequate bearing strata. All foundation formation soft spots or disturbed ground not covered in SI report to be recorded and notified to the Engineer.

FOR PLANNING

WAVIN AJ 160mm RISER



WAVIN AJ FOR 100mm Dia. PIPES



WAVIN AJ FOR 150mm Dia. PIPES

TABLE 9. MINIMUM DIMENSIONS FOR ACCESS FITTINGS AND CHAMBERS TO TECHNICAL GUIDANCE DOCUMENT PART H (BUILDING REGULATIONS 2010)

TYPE	DEPTH TO I.L.(m)	INTERNAL SIZES		COVER SIZES	
		LENGTH x WIDTH (mm)	CIRCULAR (mm)	LENGTH x WIDTH (mm)	CIRCULAR (mm)
RODDING EYE			AS DRAIN BUT MIN 100		
ACCESS FITTING SMALL	0.6 OR LESS	150 x 100	150	150 x 100	150
LARGE	1.0 OR LESS	300 x 100	150	300 x 100	150
INSPECTION CHAMBER	0.6 OR LESS	300 x 300	190*	300 x 300	190*
	1.0 OR LESS	450 x 450	450	450 x 450	450*
MANHOLE	1.5 OR LESS	1200 x 750	1000	600 x 600	600
	OVER 1.5	1200 x 750	1200	600 x 600	600
	UNDER 2.7	1200 x 840	1200	600 x 600	600
SHAFT	OVER 2.7	900 x 840	900	600 x 600	600

NOTES:
+ FOR CLAYWARE OR PLASTICS MAY BE REDUCED TO 430mm IN ORDER TO PROVIDE SUPPORT FOR COVER AND FRAME.
* DRAINS UP TO 150mm.

ALL UNBOUND MIXTURES DEPOSITED WITHIN 500MM OF CEMENT BOUND MATERIALS, CONCRETE PAVEMENTS, CONCRETE STRUCTURES OR CONCRETE PRODUCTS FORMING PART OF THE WORKS SHALL BE TO CLAUSE 808 OF THE NRA SPECIFICATION FOR ROADWORKS.

UNBOUND GRANULAR BACKFILL MATERIAL DEPOSITED WITHIN 500MM OF CONCRETE PIPES, CONCRETE BED, HAUNCH OR SURROUND TO BE TO CLAUSE 808 OF THE NRA SPECIFICATION FOR ROADWORKS.

UNBOUND GRANULAR BACKFILL MATERIAL WITHIN 500MM OF CONCRETE OR BLOCKWORK MANHOLES, CONCRETE OR BLOCKWORK CHAMBERS, CONCRETE BASES AND COVER SLABS OR CONCRETE SURROUNDS TO BE TO CLAUSE 808 OF THE NRA SPECIFICATION FOR ROADWORKS.

P04	S4	15.07.2026	Issued for Planning.	P.C.	N.N.	P.C.
P03	S4	07.07.2026	Issued for Planning.	P.C.	N.N.	P.C.
P02	S4	10.11.2025	Issued for Pre-Planning.	P.C.	N.N.	P.C.
P01	S4	01.10.2025	Issued for Planning.	P.C.	N.N.	P.C.

Issue	Suitability	Date	Description	Designed	Drawn	Approved
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Project	Corrigan Lands LRD, Leixlip	Drawing Title	Foul and surface water. Private drainage details.			
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Client	Leixlip and Newbridge SPV Limited	Originator	Area.	Level.	Type.	Role.	Number.
		CHC	-00	-GR	-DR	-C	-00230

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