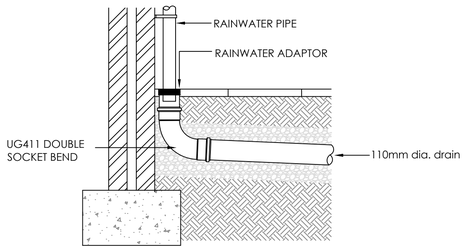
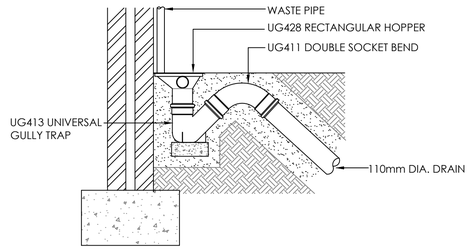
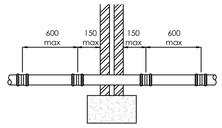
RAINWATER PIPE CONNECTION



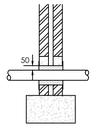
RECTANGULAR HOPPER / UNIVERSAL GULLY TRAP DETAIL



PIPES THROUGH WALLS

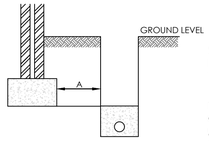


A. SHORT LENGTH OF PIPE BEDDED IN WALL WITH JOINTS FORMED WITHIN 150mm OF EACH WALL FACE, ADJACENT ROCKER PIPES OF 600mm MAX. LENGTH WITH FLEXIBLE JOINTS.

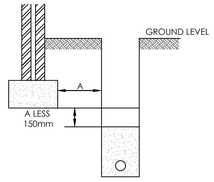


B. ARCH OR LINTELED OPENING TO GIVE MIN 50mm SPACE ALL ROUND THE PIPE. MASK OPENING ON BOTH SIDES OF THE WALL WITH RIGID SHEET MATERIAL TO PREVENT ENTRY OF FILL OR VERMIN. IMPORTANT FILL VOID WITH COMPRESSIBLE MATERIAL TO PREVENT ENTRY OF GAS.

PIPES NEAR BUILDINGS

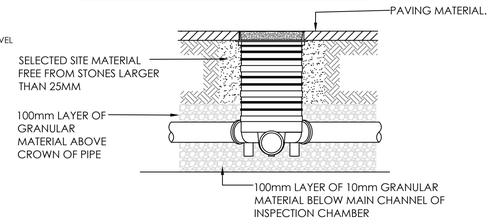


WHERE DIMENSION A IS LESS THAN 1.0m, CONCRETE FILL TRENCH TO LEVEL OF UNDERSIDE OF FOUNDATIONS.

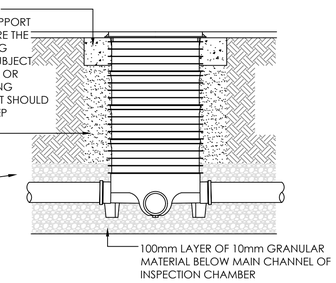


WHERE DIMENSION A IS GREATER THAN 1.0m, CONCRETE FILL TRENCH TO THIS LEVEL

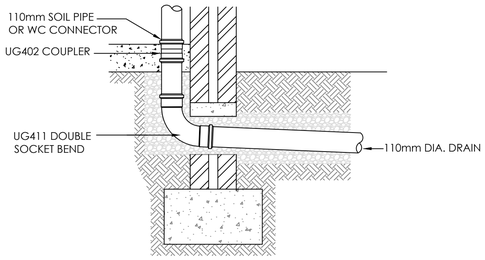
SHALLOW INSPECTION CHAMBER DETAIL



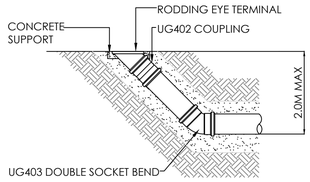
460mm DIA. INSPECTION CHAMBER DETAIL

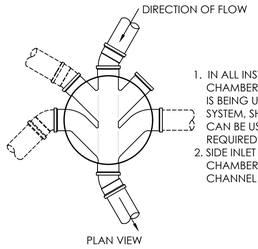


SOIL PIPE / WC CONNECTION



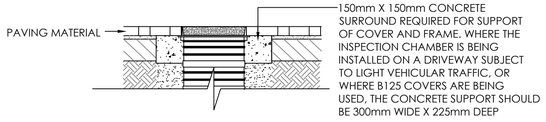
RODDING EYE DETAIL



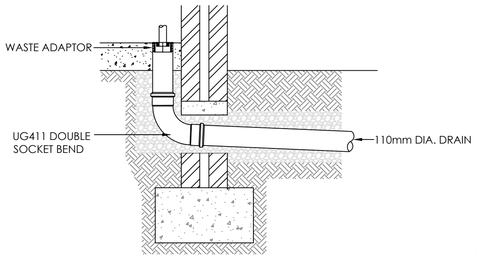


1. IN ALL INSTALLATIONS, THE MAIN CHANNEL OF THE INSPECTION CHAMBER SHOULD ALWAYS BE USED. WHERE THE CHAMBER IS BEING USED AS A CHANGE OF DIRECTION FOR THE DRAINAGE SYSTEM, SHORT RADIUS BENDS OF 11¼°, 15°, 30° AND 45° CAN BE USED IN THE INLET AND OUTLET TO ACHIEVE THE REQUIRED ANGLE.
2. SIDE INLET BRANCH CONNECTIONS ENTER THE INSPECTION CHAMBER APPROX. 55mm ABOVE THE INVERT OF THE MAIN CHANNEL

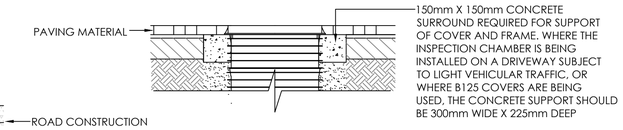
SHALLOW INSPECTION CHAMBER DETAIL (BLOCK PAVED)



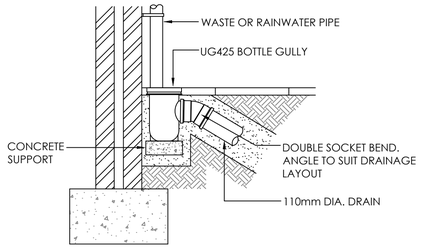
WASTE PIPE CONNECTION



460mm DIA. INSPECTION CHAMBER DETAIL (BLOCK PAVED)

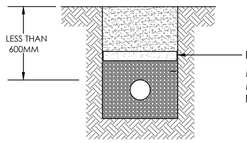


BOTTLE GULLY DETAIL



PROTECTION FOR PIPES

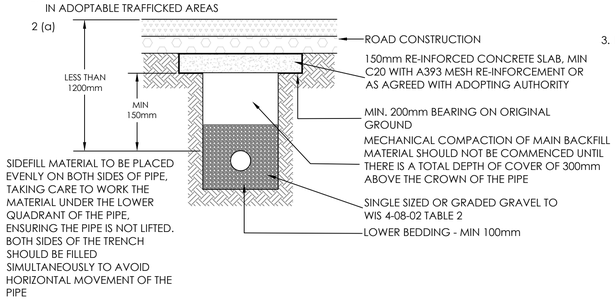
1. PIPES LAID AT SHALLOW DEPTHS IN NON TRAFFICKED AREAS



PIPES LAID IN NON-TRAFFICKED AREAS, E.G. IN GARDENS WITH LESS THAN 600mm OF COVER, SHOULD BE PROTECTED AGAINST DAMAGE BY PLACING PAVING SLABS OR SIMILAR OVER THEM ACROSS THE WHOLE WIDTH OF THE TRENCH.
A LAYER OF GRANULAR MATERIAL OF 75mm MIN THICKNESS MUST BE LAID BETWEEN PIPES AND SLABS.

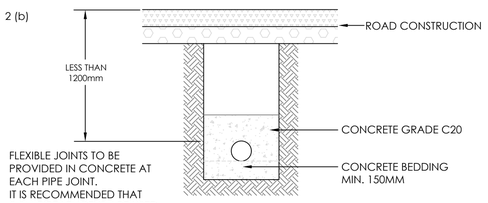
2. PIPES LAID AT SHALLOW DEPTHS IN ADOPTABLE TRAFFICKED AREAS

2 (a)



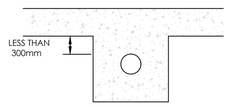
SIDEFILL MATERIAL TO BE PLACED EVENLY ON BOTH SIDES OF PIPE, TAKING CARE TO WORK THE MATERIAL UNDER THE LOWER QUADRANT OF THE PIPE, ENSURING THE PIPE IS NOT LIFTED. BOTH SIDES OF THE TRENCH SHOULD BE FILLED SIMULTANEOUSLY TO AVOID HORIZONTAL MOVEMENT OF THE PIPE

2 (b)



FLEXIBLE JOINTS TO BE PROVIDED IN CONCRETE AT EACH PIPE JOINT.
IT IS RECOMMENDED THAT 3.0M PIPE LENGTHS ARE USED WHERE CONCRETE ENCASEMENT IS REQUIRED

3. PIPES LAID AT SHALLOW DEPTHS UNDER BUILDINGS



WHERE THE CROWN OF THE PIPE IS WITHIN 300mm OF THE UNDERSIDE OF THE SLAB, THE PIPEWORK SHOULD BE SURROUNDED WITH 150mm CONCRETE AS AN INTEGRAL PART OF THE FLOOR SLAB

WHERE PIPES ARE SURROUNDED IN CONCRETE, AN 18mm COMPRESSIBLE BOARD, E.G. FIBREBOARD OR POLYSTYRENE SHOULD BE PLACED AROUND THE PIPE AT EACH JOINT.

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REV	DATE	AMENDMENT DETAILS	DRAWN	APPROVED
B	29.07.19	INTERNAL BACKDROP DETAIL REMOVED	BC	JPP
A	19.06.19	AMENDED INSPECTION CHAMBER DETAIL TITLE	BC	JPP

PROJECT: PINFOLD LANE, WESTON LINCOLNSHIRE	DATE: 31.05.19	DRAWING STATUS: INFORMATION	
	SCALE(S): AS SHOWN	DESIGNED: JDP / DRAWN: BC	
DRAWING TITLE: PRIVATE DRAINAGE STANDARD DETAILS SHEET 1 OF 2		CHECKED: JPP / APPROVED: JRS	
	JOB No: 1636		
CLIENT: BROADGATE HOMES LTD	DRAWING No: 02/002	REVISION: A	

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