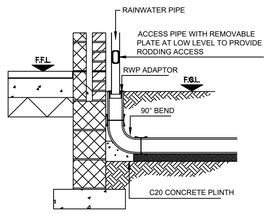
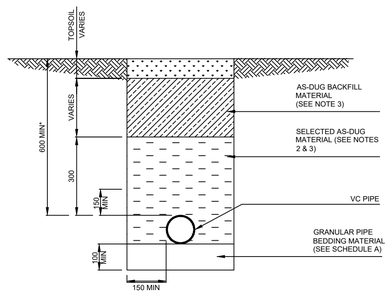
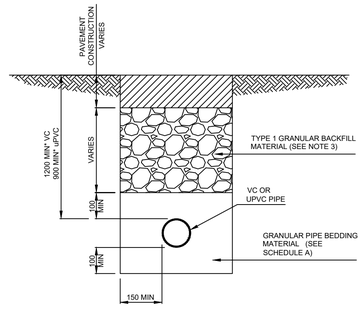


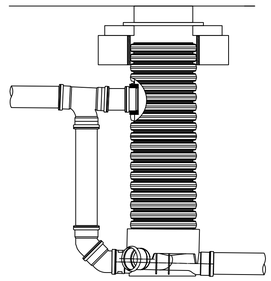
TYPICAL RAINWATER PIPE CONNECTION



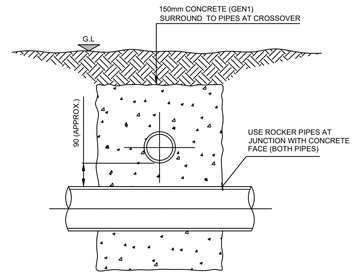
VC PIPES UNDER LANDSCAPED AREAS CLASS F GRANULAR BED



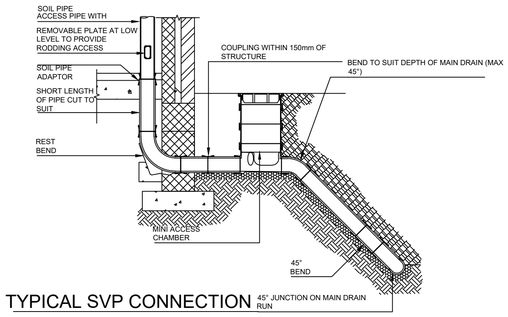
VC OR UPVC PIPES UNDER TRAFICKED AREAS CLASS S GRANULAR BED & SURROUND PIPE BEDDING DETAILS



PVC-U/POLYPROPYLENE INSPECTION CHAMBER BACKDROP DETAILS

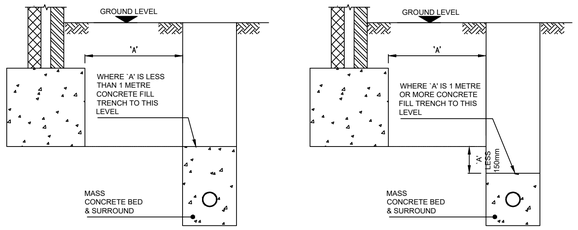


CROSS-OVER DETAIL



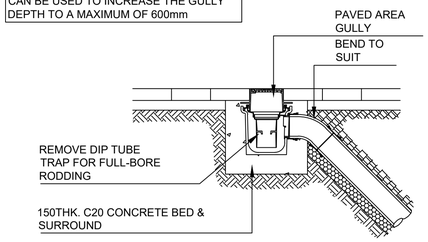
TYPICAL SVP CONNECTION

*WHERE MINIMUM DEPTH OF COVER TO PIPE IS NOT ACHIEVED PIPES SHALL BE PROTECTED WITH A CONCRETE BRIDGING SLAB or MASS CONCRETE BED & SURROUN AS NOTED ON DRAINAGE LAYOUT



PIPE RUNS NEAR BUILDINGS

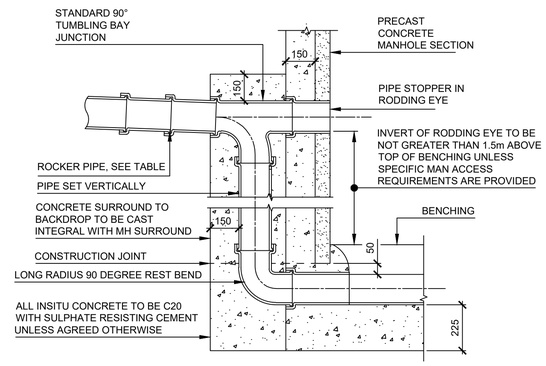
NOTE: A CUT LENGTH OF 150mm CLAY PIPE AND A 150mm COUPLING INSERTED BETWEEN THE HOPPER AND THE BASE CAN BE USED TO INCREASE THE GULLY DEPTH TO A MAXIMUM OF 600mm



PAVED AREA GULLY CONNECTION

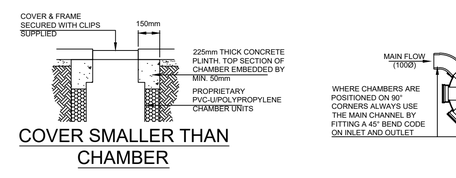
ADDITIONAL ROCKER PIPES MAY BE NECESSARY TO ACCOMMODATE TRANSITION OF PIPE GRADIENT TO VERTICAL DOWNPIPE

CARE TO BE TAKEN TO MAINTAIN FLEXIBILITY OF JOINTS

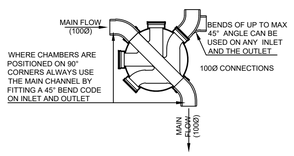


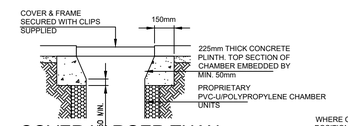
NOMINAL DIAMETER (mm)	EFFECTIVE LENGTH (M)
150-600	0.6
600-750	1.0
GREATER THAN 750	1.25

TYPICAL VERTICAL BACKDROP TO MANHOLE DETAIL

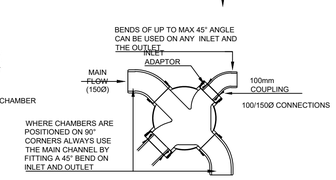


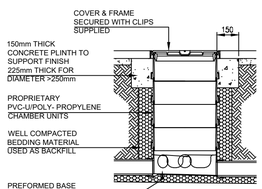
COVER SMALLER THAN CHAMBER



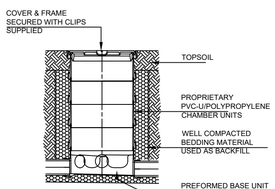


COVER LARGER THAN CHAMBER





SITED IN HARD LANDSCAPED AREAS



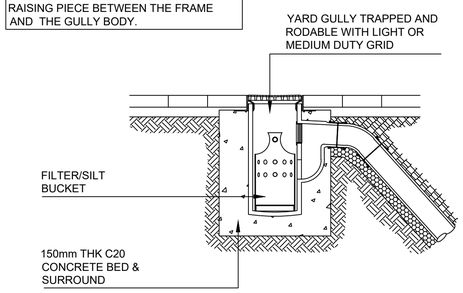
SITED IN SOFT LANDSCAPED AREAS

WHERE CHAMBER IS IN ROAD, REPLACE BEDDING BACKFILL WITH GRADE 20 CONCRETE 150mm MIN THICK

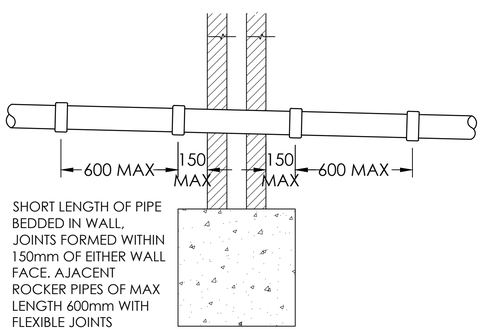
PVC-U/POLYPROPYLENE INSPECTION CHAMBER DETAILS - TYPE 2

(DEPTH FROM COVER LEVEL TO INVERT 600mm - 3000mm)

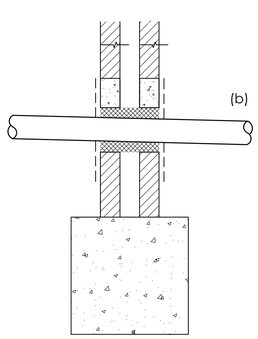
NOTE: THE DEPTH OF THE GULLY CAN BE INCREASED BY UP TO 300mm BY FITTING A 225mm COUPLING AND A 300mm HIGH RAISING PIECE BETWEEN THE FRAME AND THE GULLY BODY.



YARD GULLY CONNECTION



(a) SHORT LENGTH OF PIPE BEDDED IN WALL, JOINTS FORMED WITHIN 150mm OF EITHER WALL FACE. AJACENT ROCKER PIPES OF MAX LENGTH 600mm WITH FLEXIBLE JOINTS



(b) ARCH OR LINTELLED OPENING TO GIVE 50mm SPACE ALL ROUND THE PIPE.

MASK OPENING BOTH SIDES WITH RIGID SHEET MATERIAL TO PREVENT ENTRY OF FILL OR VERMIN.

IMPORTANT: FILL VOID WITH COMPRESSIBLE SEALANT TO PREVENT ENTRY OF GAS

PIPES PENETRATING THROUGH WALLS

THE PURPOSE OF THIS DRAWING IS FOR TYPICAL CONSTRUCTION DETAILS ONLY. MANHOLES / PIPE DIAMETERS / SUMP DEPTHS ETC WILL VARY ON PLAN.

REFER TO DRAINAGE LAYOUT DRAWING FOR ALL PIPE SIZES, MANHOLE SIZES, PIPE LENGTHS, SUMP DEPTHS, STORAGE TANK CONFIGURATIONS, COVER LEVELS AND INVERT LEVELS

DO NOT SCALE OFF THIS DRAWING

GENERAL NOTES

THIS DRAWING TO READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR / FABRICATOR PRIOR TO COMMENCEMENT OF WORKS.

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.

ALL WORKS TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE ENGINEER'S SPECIFICATIONS, RELEVANT BRITISH STANDARDS AND WHERE APPLICABLE LOCAL AUTHORITIES REQUIREMENTS.

Rev	By	Description	Date
P01	GP	First Issue	05.02.24

Revision Schedule

shape CONSULTING ENGINEERS
Amber House Green Lane Liverpool L13 7GD
0151 305 0700 www.shapeengineering.co.uk @shapetweets

PROJECT: Greenbrow Social Club

TITLE: Private Drainage Details

Client	Caseys Group		
Status: S2	Purpose of Issue: Preliminary		
Designed By: GP	Approved By: EC	Drawn By: GP	
Project No.: C-0005			
Scale (@ A1): As Shown	DATE: 05/02/2024	Rev: P01	