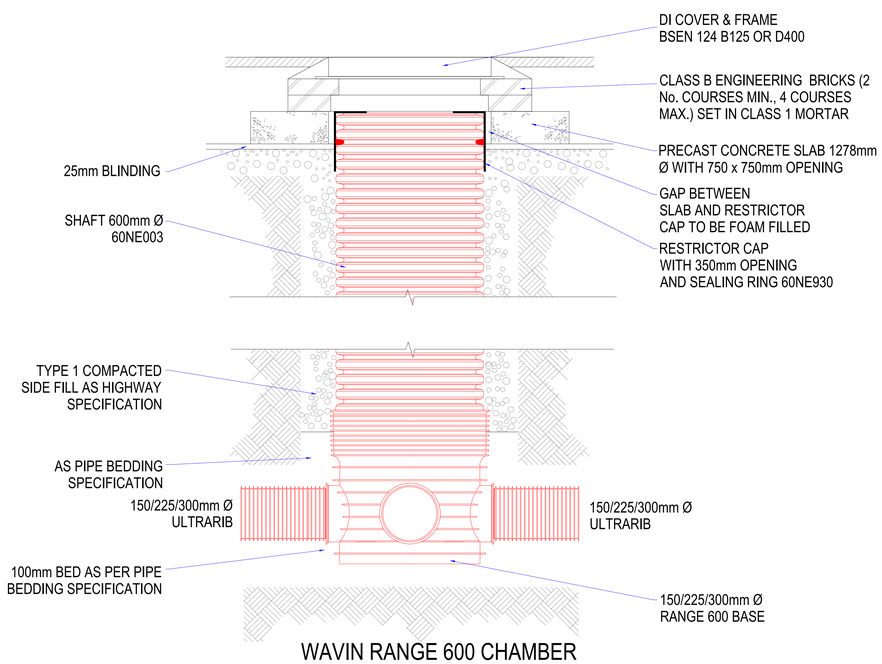
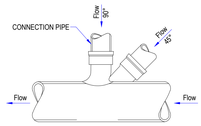


WAVIN RANGE 600 CHAMBER B125 / D400 LOADING

SCALE 1:10



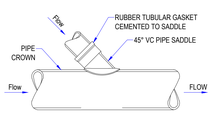
TYPICAL JUNCTION CONNECTION DETAIL

OBLIQUE OR SQUARE CURVED JUNCTION CONNECTION TO BE USED WHEN PUBLIC SEWER IS NOT 3 PIPE SIZES LARGER THAN THE LATERAL (CONNECTION) TO BE CONNECTED

LATERAL (dia im mm)	PUBLIC SEWER DIAMETER (mm)									
	100	150	225	300	375	450	525	600	675	750
100	JN	JN	JN	SA	SA	SA	SA	SA	SA	SA
150		JN	JN	JN	SA	SA	SA	SA	SA	SA
225			JN	JN	JN	SA	SA	SA	SA	SA
300				JN	JN	JN	SA	SA	SA	SA
375					JN	JN	JN	SA	SA	SA
450						JN	JN	JN	SA	SA

JN = JUNCTION

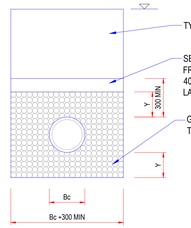
SA = SADDLE



TYPICAL SADDLE CONNECTION DETAIL

SADDLE CONNECTION INTO PUBLIC SEWER IS ACCEPTABLE WHEN SEWER DIAMETER IS THREE INCREMENTS LARGER THAN CONNECTION DIAMETER. SADDLE CONNECTIONS MUST BE POSITIONED AT 10 O'CLOCK OR 2 O'CLOCK AND AT AN ANGLE OF 45°. SADDLES SHALL BE THE SAME MATERIAL AS EXISTING SEWER.

THE TABLE BELOW SHOWS IF A JUNCTION OR SADDLE MAY BE USED FOR VARIOUS PUBLIC SEWER AND LATERAL COMBINTIONS

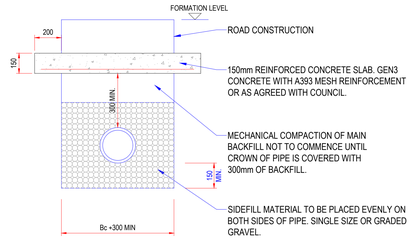


CLASS S DETAIL

NOMINAL PIPE DIA (mm)	SINGLE SIZED (mm)	GRADED (mm)
150 200 to 300 375 to 525 Greater than 525	10 or 14 10,14 or 20 14 or 20 14,20 or 40	14 to 5 14 to 5 or 20 to 5 14 to 5 or 20 to 5 14 to 5,20 to 5 or 40 to 5

GRANULAR BEDDING MATERIAL

(ALL AGGREGATES TO TABLE 4 OF BS 882:1983)



CLASS S DETAIL

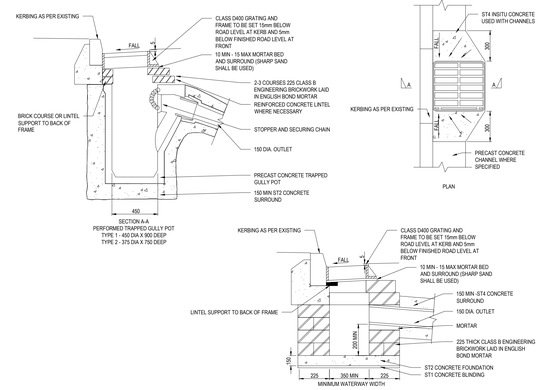
COVER < 1200mm FOR HIGHWAYS COVER < 900mm FOR NONE VEHICULAR ACCESS

NOTES

A) Bc = OUTSIDE DIAMETER OF PIPE BARREL.

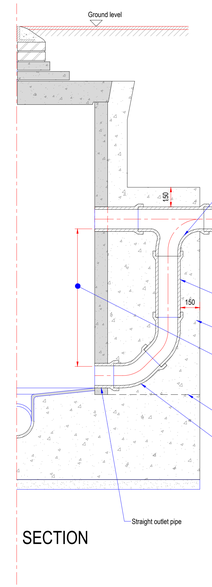
B) Y = FOR UNIFORM SOILS:
SLEEVE JOINTED PIPES, MIN. 50mm OR ¼ Bc, WHICHEVER IS THE GREATER.
SOCKETED PIPE, MIN. 100mm OR ¼ Bc, WHICHEVER IS THE GREATER UNDER BARRELS AND NOT LESS THAN 50mm UNDER SOCKETS.

FOR ROCK OR MIXED SOILS CONTAINING ROCK BANDS, BOULDERS, STONES OR OTHER IRREGULAR HARD SPOTS:
SLEEVE JOINTED PIPES, MIN. 150mm OR ½ Bc, WHICHEVER IS THE GREATER.
SOCKETED PIPE, MIN. 200mm OR ½ Bc, WHICHEVER IS THE GREATER UNDER BARRELS AND NOT LESS THAN 150mm UNDER SOCKETS.



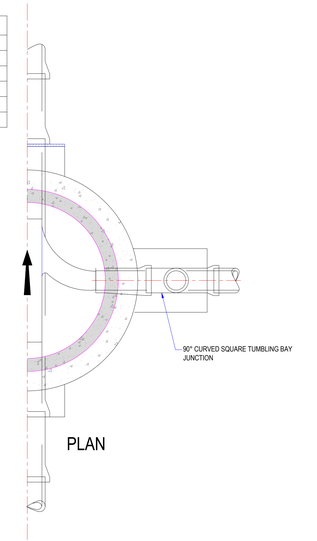
ROAD GULLY DETAIL

NOT TO SCALE



SEWER DIA.	DROPSHAFT DIA.
225-300	225
375	300
450	375
525-600	450
675	525
750-900	600

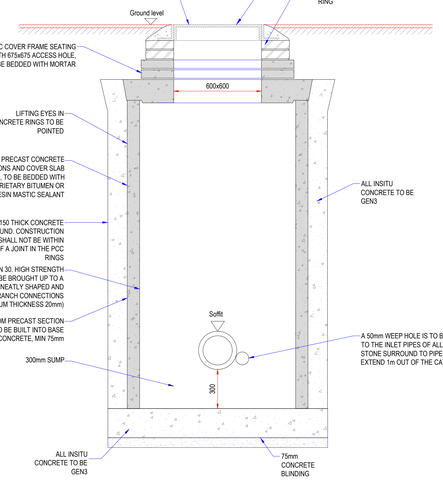
SECTION



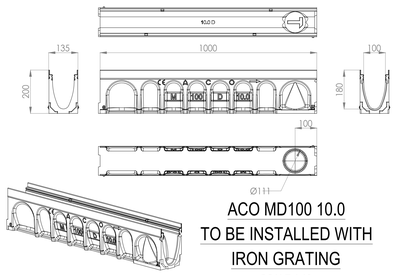
PLAN

TYPICAL VERTICAL BACKDROP MANHOLE DETAIL

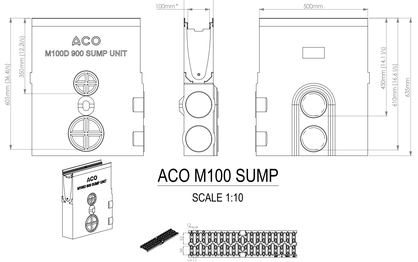
(NOTE: CONSTRUCTION DETAILS AS STANDARD PCC MANHOLE)



TYPICAL PRECAST CONCRETE CATCHPIT TO BS 5911
300mm SUMP TO BE INSTALLED ON ALL MANHOLES



SCALE 1:10



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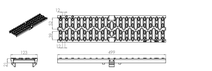

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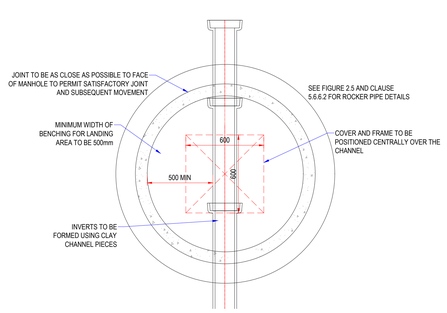
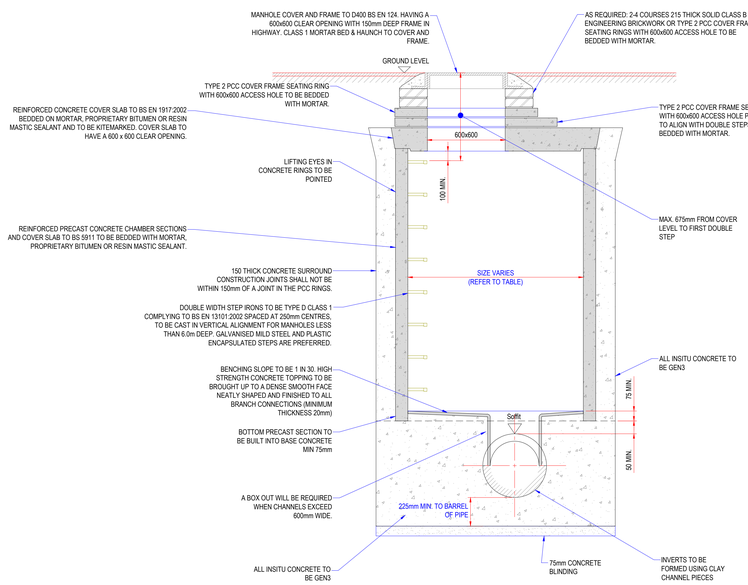




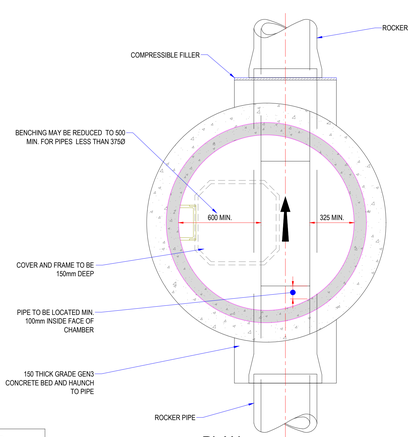
TYPICAL MANHOLE SECTION DETAIL TYPE B DEPTH TO SOFFIT OF PIPE 1500 TO 3000

PIPE DIA	EQUIVALENT ROCKER PIPE LENGTH
≤ 525	0.60
600-750	1.00
≥ 825	1.25

ROCKER PIPES USED UNTIL THE PIPE O.D. EXCEEDS THE EFFECTIVE LENGTH OF THE ROCKER PIPE

MIN. CHANNEL LENGTH	
CHAMBER DIA.	MIN. LENGTH "X"
1200	950
1500	1050
1800	1150
2100	1300
2400	1450
2700	1550
3000	1700

SCHEDULE OF CHAMBER DIAMETERS	
DIA. OF LARGEST PIPE IN MANHOLE	INTERNAL DIA. OF MANHOLE
LESS THAN 375Ø	1200
375-700 (incl)	1500
750-900 (incl)	1800
>900	N/A



PLAN

TYPICAL MANHOLE DETAIL TYPE B DEPTH TO SOFFIT OF PIPE 1500 TO 3000

PLANNING ISSUE

Rev	Details	By	Chk	Date
P01	Amended to updated layout	JC	TC	11.06.2026
P00	Initial issue	JC	TC	23.10.2025

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Killingbeck Office Village,
Killingbeck Drive,
Leeds LS14 6FD.
Tel: 0113 249 7416
www.avie-consulting.co.uk

Client: ACUMEN

Project: Coach and Horses, Honley

Title: Standard Drainage Details

Drawn:	Checked:	Date:	Scale:	Original dwg size
JC	TC	Oct 2025	As Stated	A0

Drawing Number: P4734-04 Rev: P01