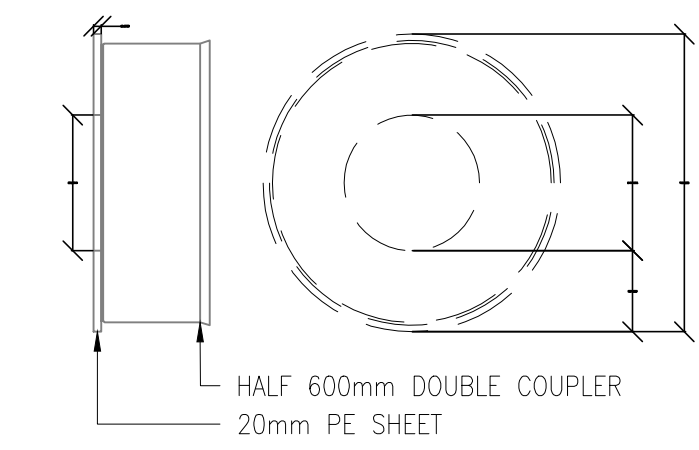
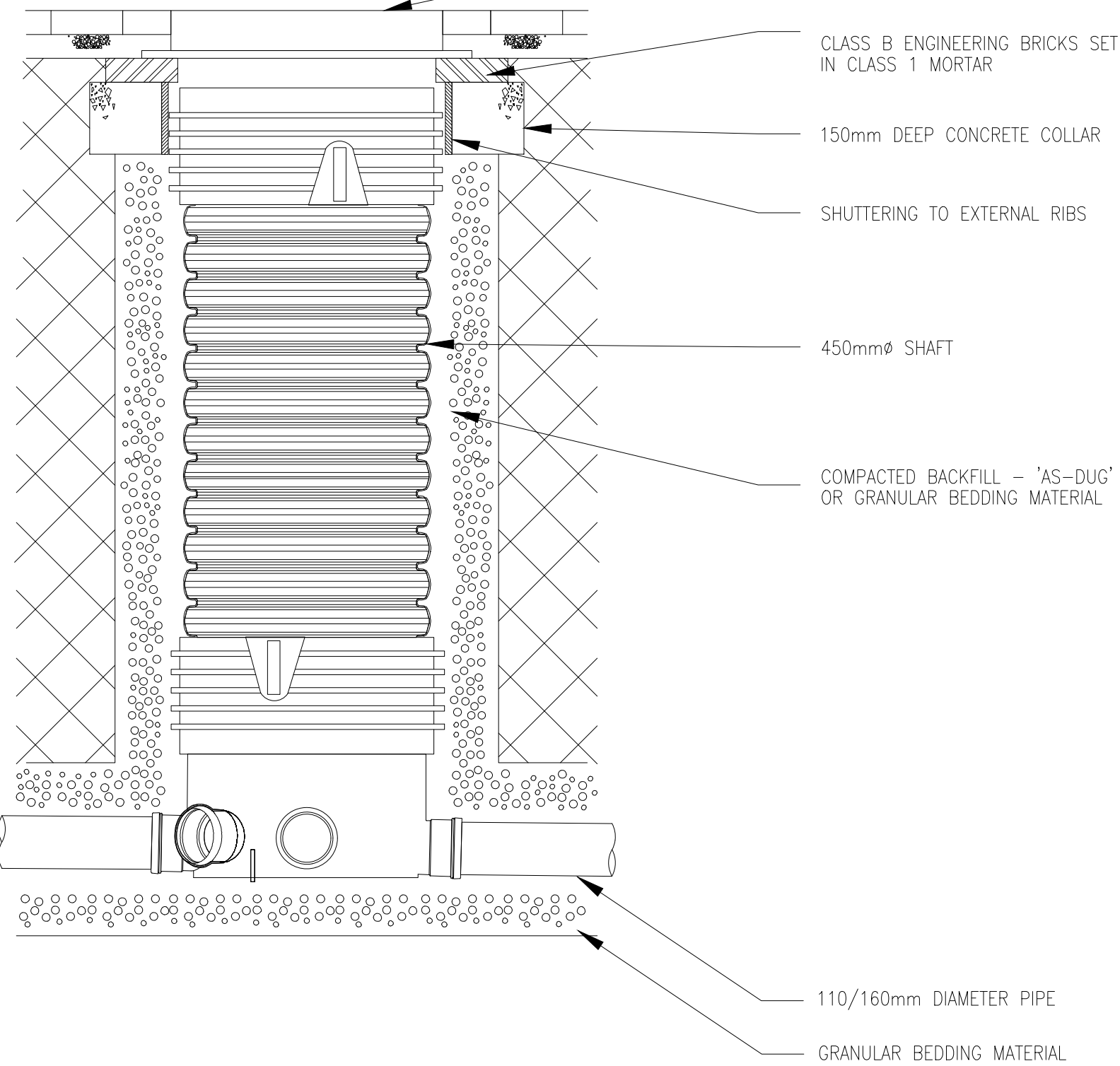
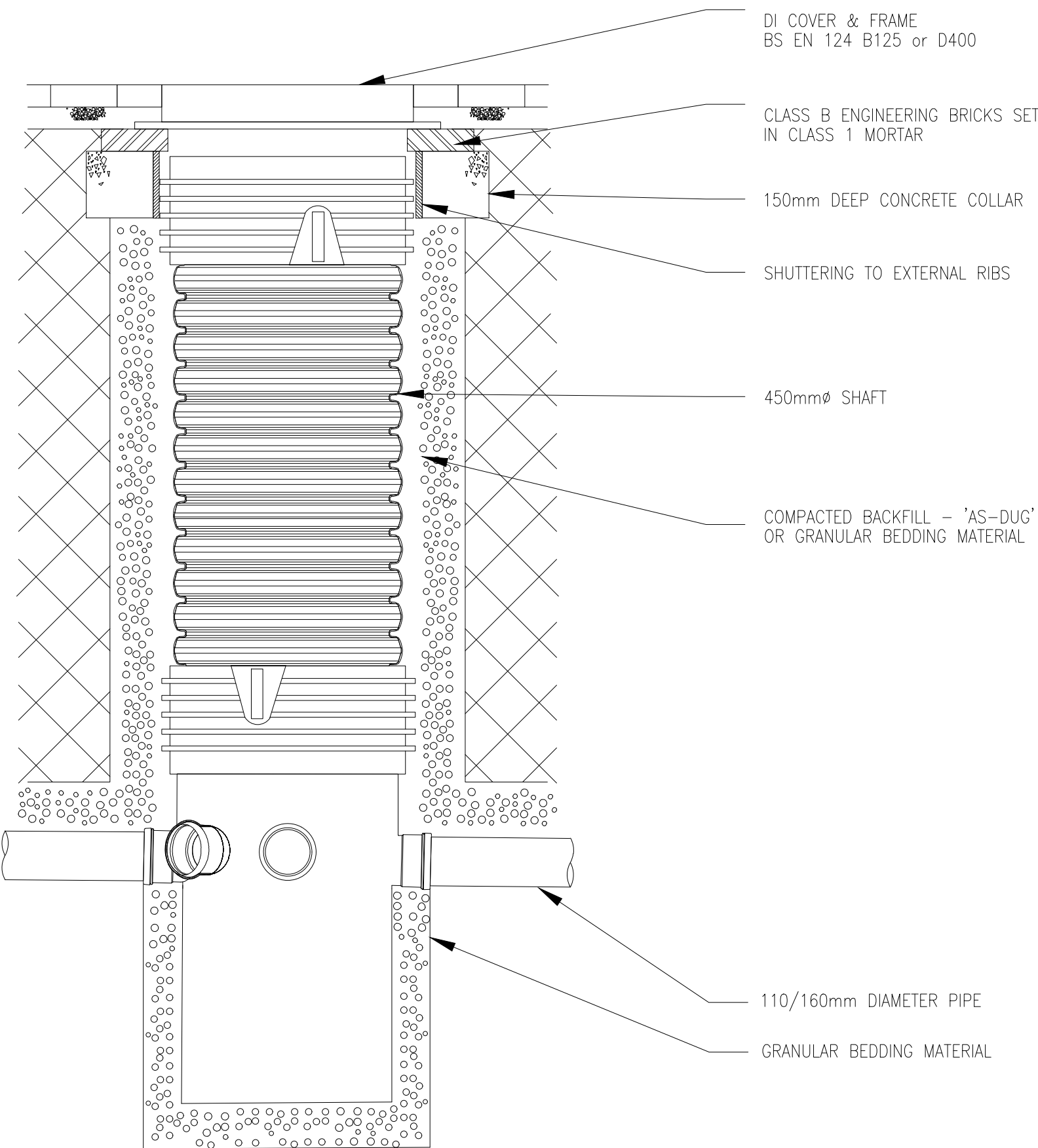




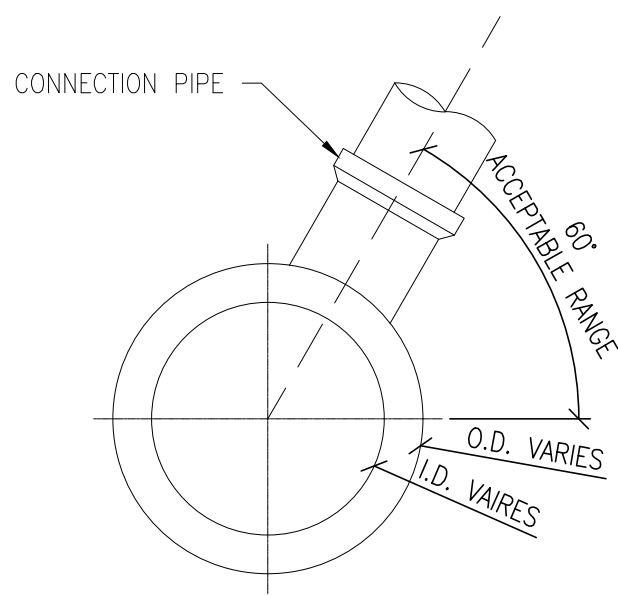
600mm – 350mm REDUCED ACCESS CAP DETAIL
SCALE: 1:20 @ A1



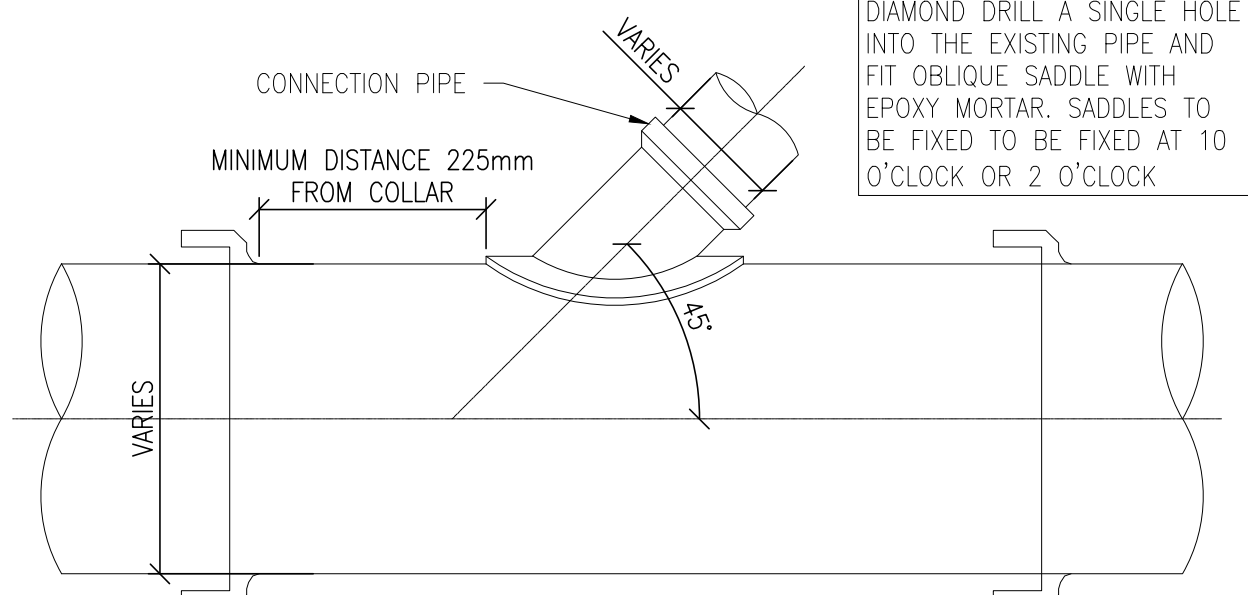
TYPICAL SECTION OF WAVIN RANGE 450 MANHOLE
SCALE 1:10



TYPICAL SECTION OF WAVIN RANGE 450 CATCHPIT
SCALE 1:10



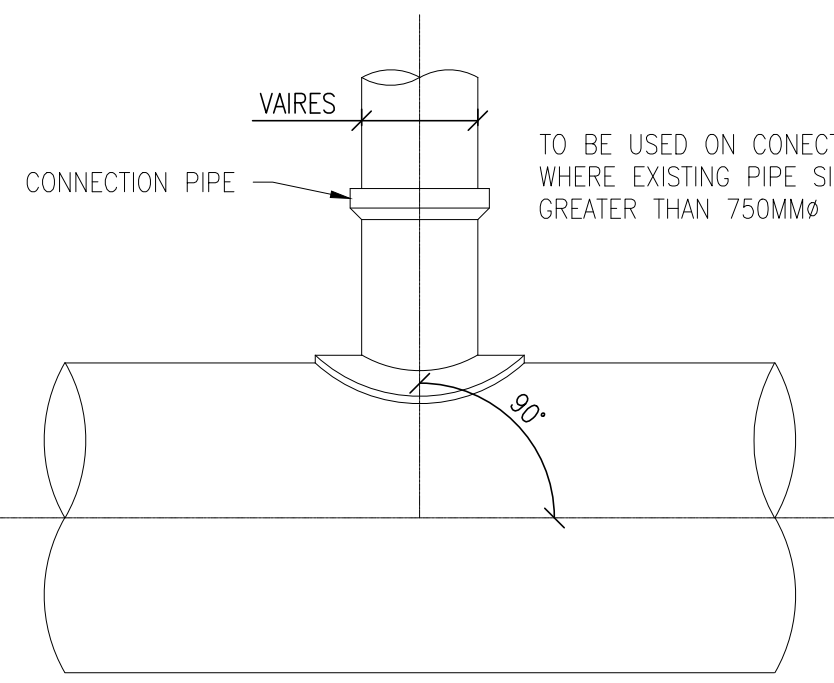
CROSS-SECTION VIEW OF SADDLE CONNECTION
SCALE 1:10



SIDE VIEW OF 45° SADDLE CONNECTION
SCALE 1:10

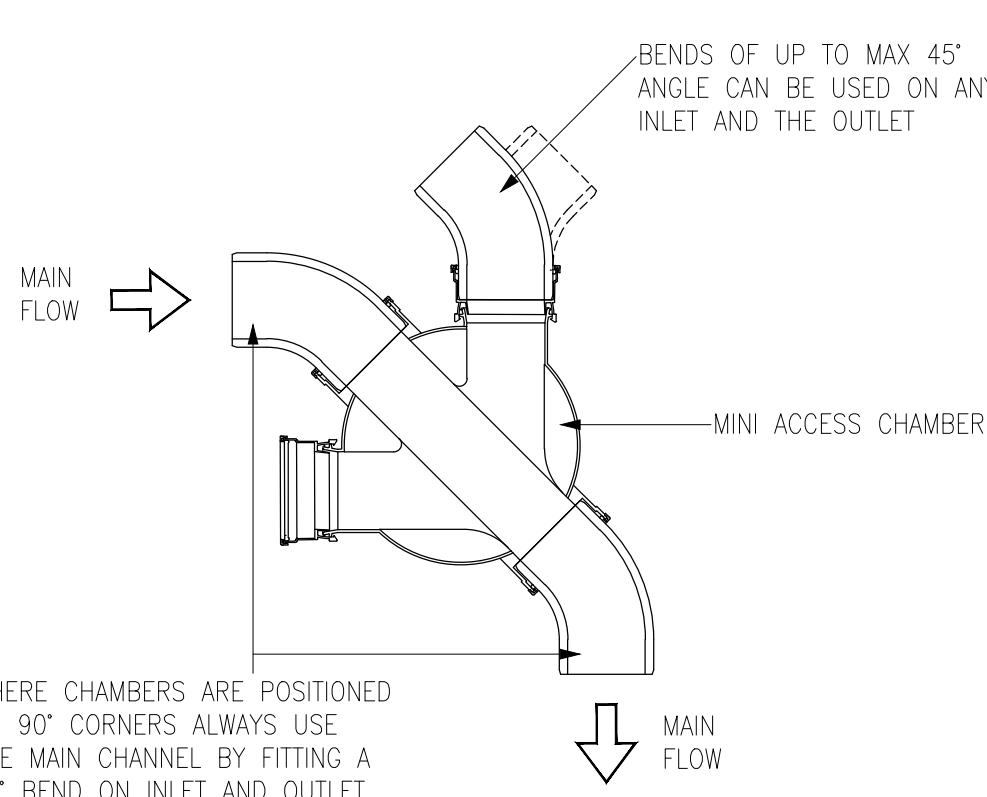
DIAMOND DRILL A SINGLE HOLE INTO THE EXISTING PIPE AND FIT OBLIQUE SADDLE WITH EPOXY MORTAR. SADDLES TO BE FIXED TO BE FIXED AT 10 O'CLOCK OR 2 O'CLOCK

SIZE OF CONNECTION MUST BE AT LEAST THREE INCREMENTS LESS THAN THE SEWER SIZE (EG. 375mm SEWER MAX SIZE CONNECTION 150mm) THE HOLE IN THE SEWER MUST BE APPROVED BY SEVERN TRENT WATER BEFORE THE SADDLE IS FIXED

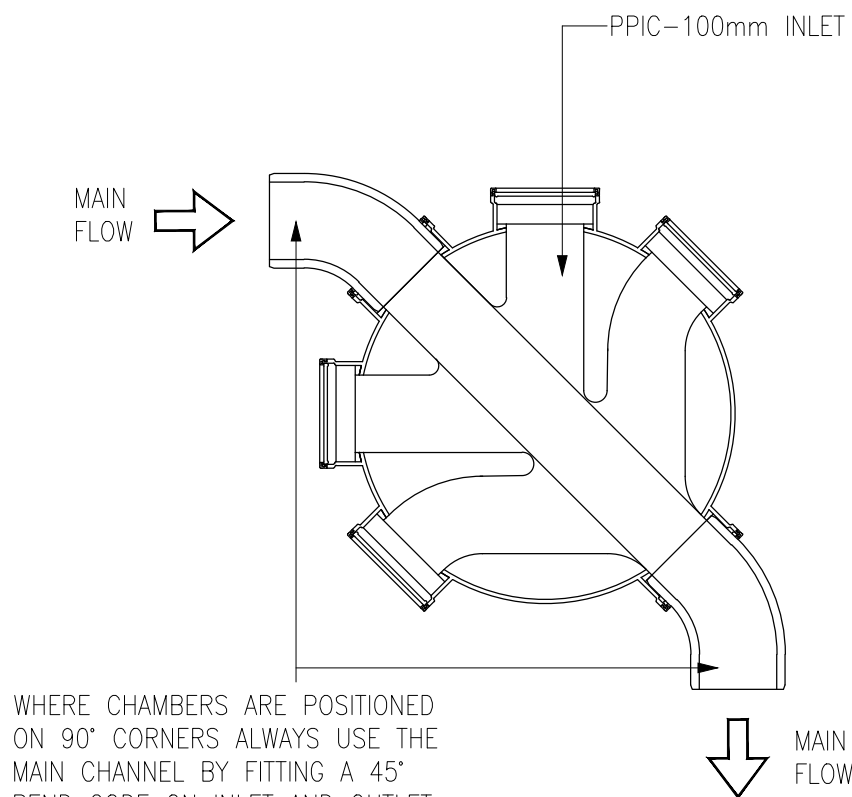


SIDE VIEW OF 90° SADDLE CONNECTION
SCALE 1:10

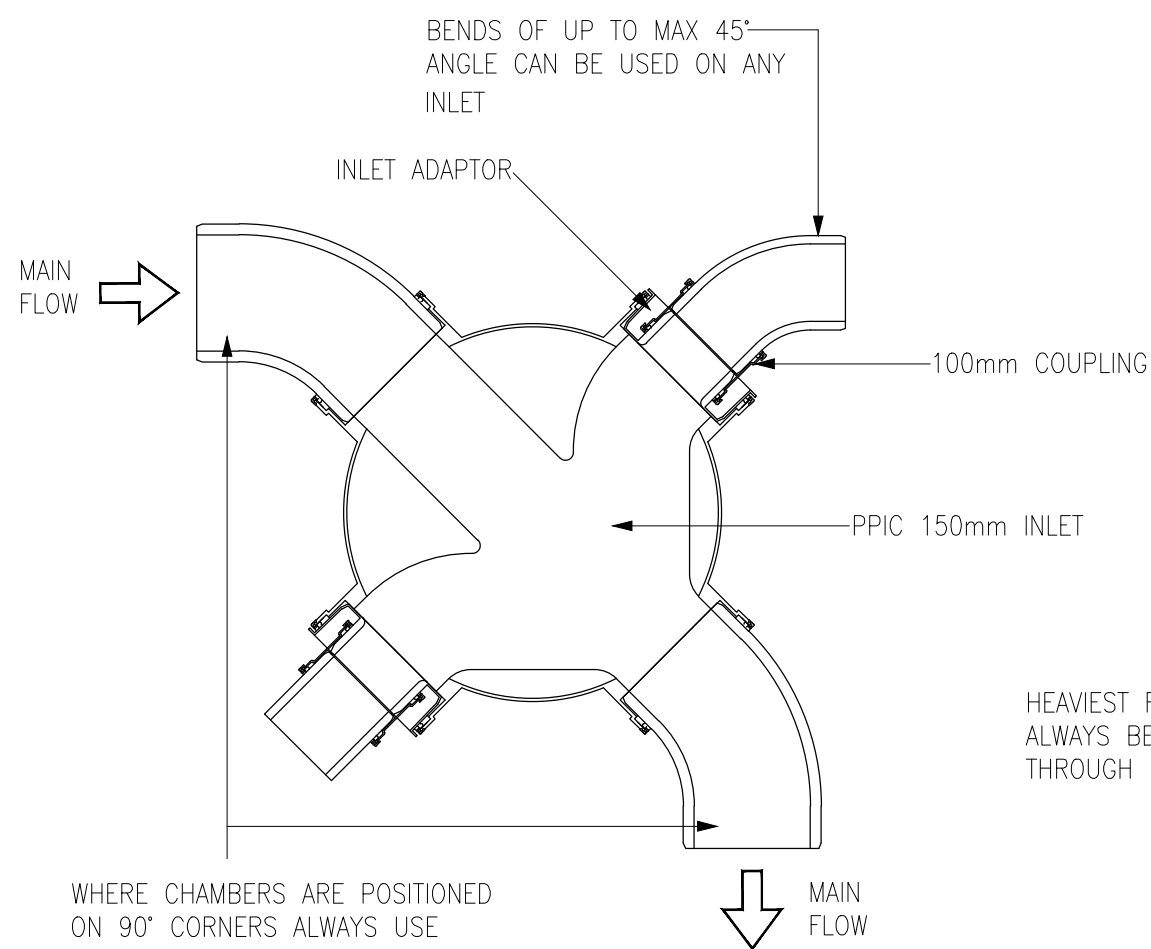
TO BE USED ON CONNECTIONS WHERE EXISTING PIPE SIZE IS GREATER THAN 750MMø



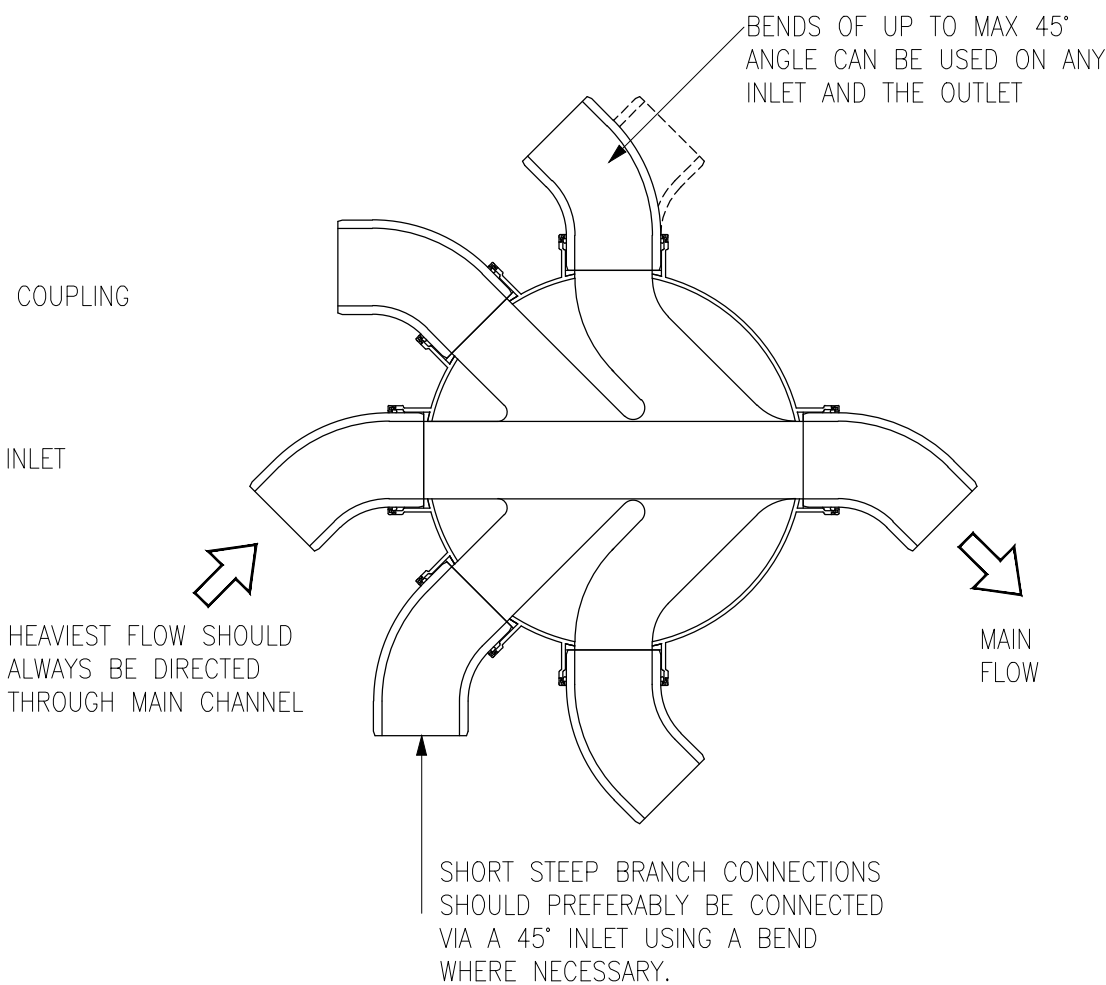
WHERE CHAMBERS ARE POSITIONED ON 90° CORNERS ALWAYS USE THE MAIN CHANNEL BY FITTING A 45° BEND ON INLET AND OUTLET



WHERE CHAMBERS ARE POSITIONED ON 90° CORNERS ALWAYS USE THE MAIN CHANNEL BY FITTING A 45° BEND CODE ON INLET AND OUTLET



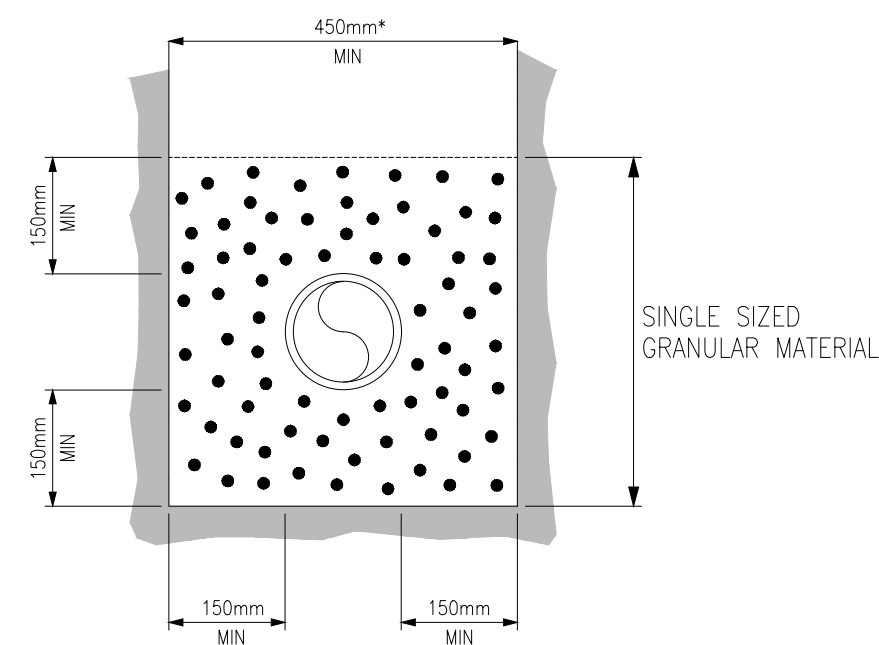
WHERE CHAMBERS ARE POSITIONED ON 90° CORNERS ALWAYS USE THE MAIN CHANNEL BY FITTING A 45° BEND ON INLET AND OUTLET



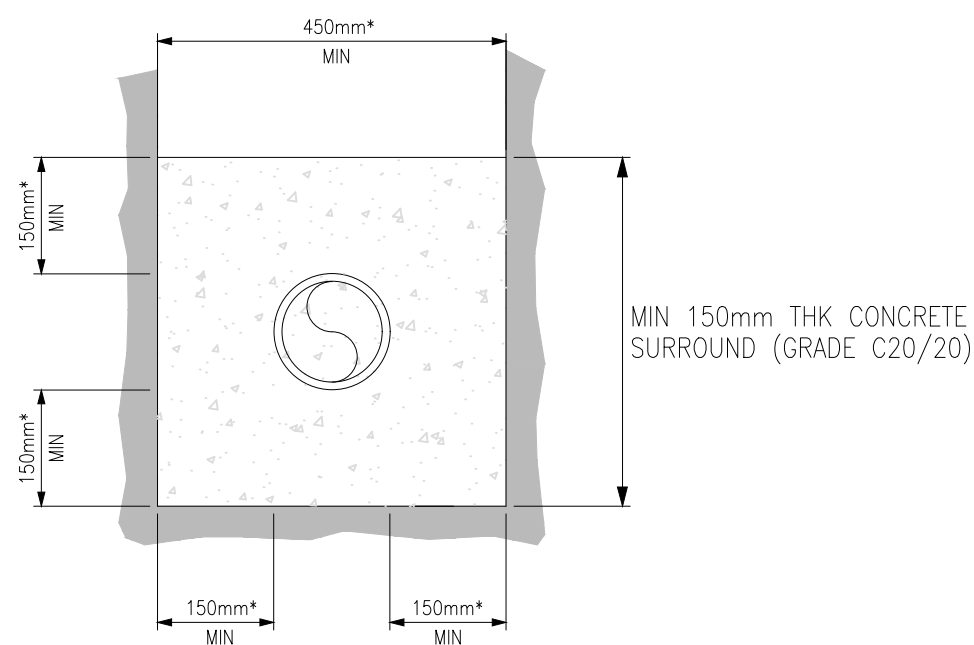
HEAVIEST FLOW SHOULD ALWAYS BE DIRECTED THROUGH MAIN CHANNEL

SHORT STEEP BRANCH CONNECTIONS SHOULD PREFERABLY BE CONNECTED VIA A 45° INLET USING A BEND WHERE NECESSARY.

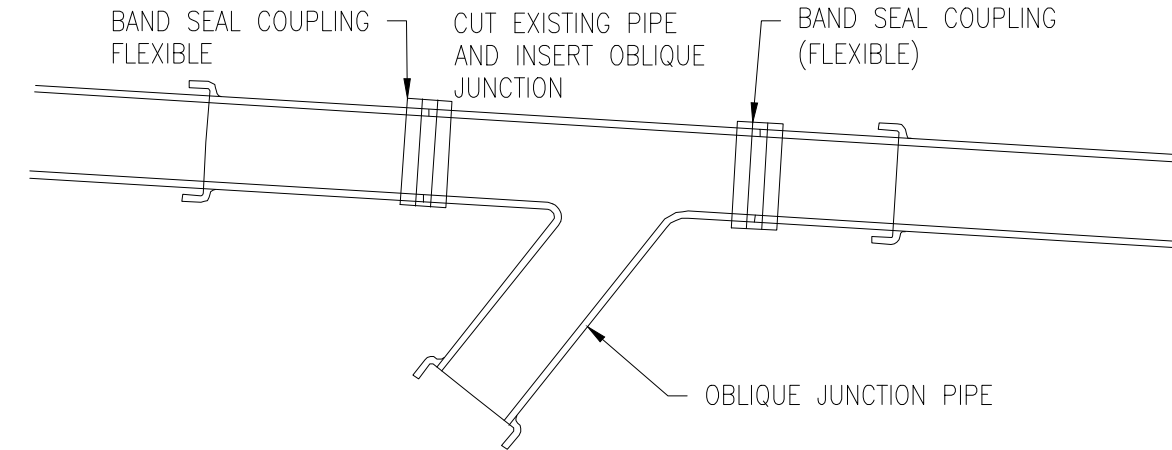
TYPICAL FLOW PLANS FOR PPIC INSPECTION CHAMBER
SCALE: 1:10 @ A1



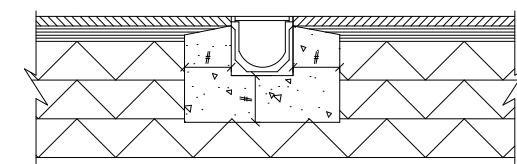
CLASS 'S' BEDDING DETAIL
(SINGLE SIZED GRANULAR SURROUND)



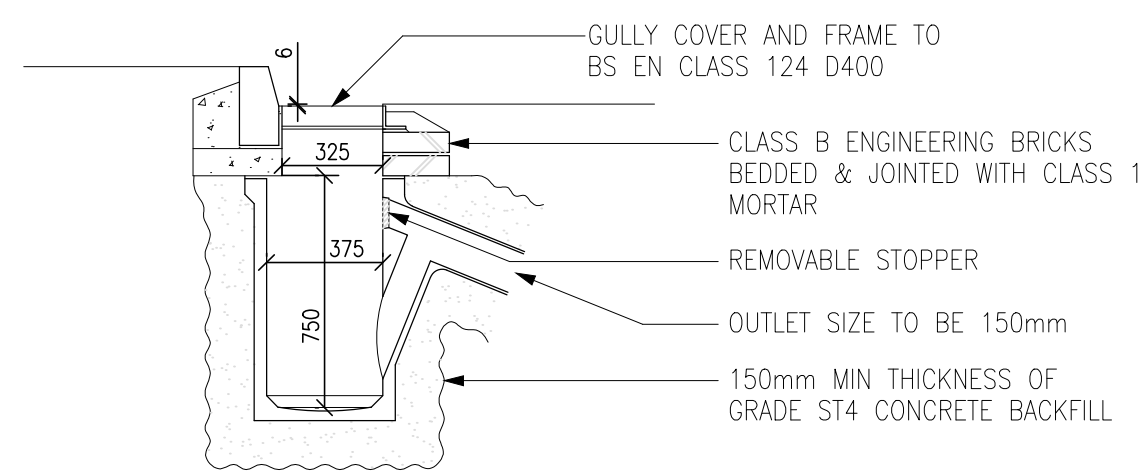
CONCRETE SURROUND (GRADE C20/20)
* 100mmTHK FOR FOUL RIGID PIPES 150mmø OR LESS



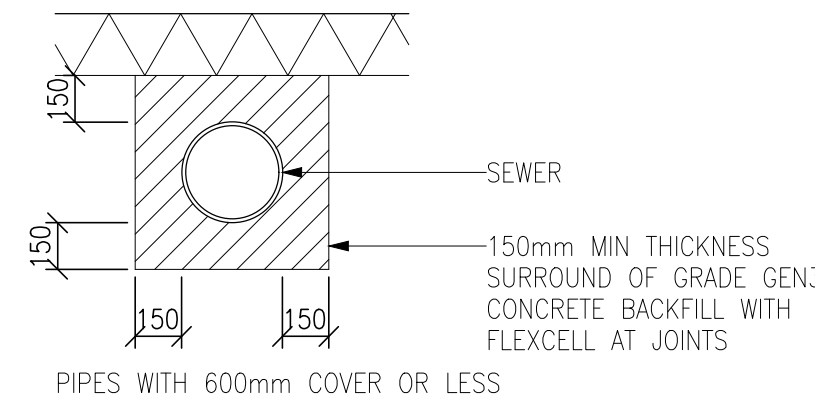
OBLIQUE JUNCTION / BAND SEAL COUPLING
SCALE 1:25



CONCRETE BED AND HAUNCH DIMENSIONS TO MANUFACTURERS DETAILS
TYPICAL ACO CHANNEL DETAIL OR SIMILAR
SCALE: 1:25 @ A1



TYPICAL ROAD GULLY DETAIL
SCALE: 1:25 @ A1



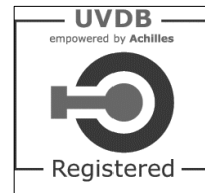
PIPE MATERIAL	PIPE SIZE	TRENCH WIDTH
PVC-U	100ø	550
PVC-U	150ø	650
PVC-U	225ø	750
VC	150ø	650

TYPICAL SEWER TRENCH DETAIL
SCALE: 1:25 @ A1

- NOTES:-
1. All dimensions must be checked on site and not scaled from this drawing.
 2. The Contractor shall make a survey of the site and shall be responsible for obtaining all dimensions and levels necessary for the proper fabrication of the structure as indicated.
 3. All levels shown on this drawing are relative to Agreed Datum.
 4. This drawing is to be read in conjunction with 29958/100 Series Drawings.
 5. All existing invert levels are to be confirmed by contractor prior to construction. Connection subject to approval.

Rev	Date	Description	VP	CH
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Client **MCCARTHY STONE**
Life, well lived

Job Title
Kirkby,
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Liverpool,
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Drawing Title

Typical Details 1 of 2

Status APPROVAL

Scale AS SHOWN @ A1 Date June 2022

Drawn By W. Brown Checked J.H.C Approved J.H.C

Dwg. No.

29958 / 109

Rev

A

NOT FOR CONSTRUCTION