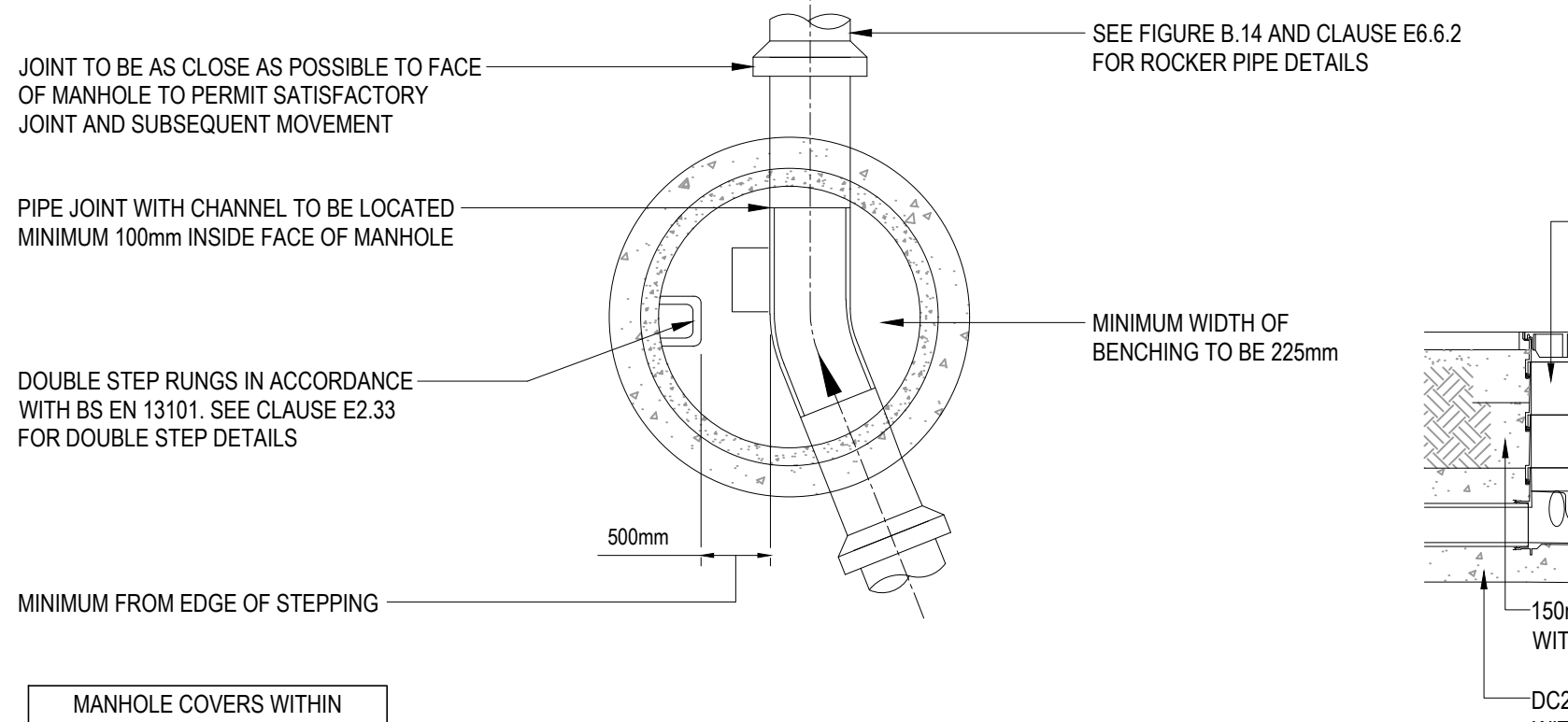
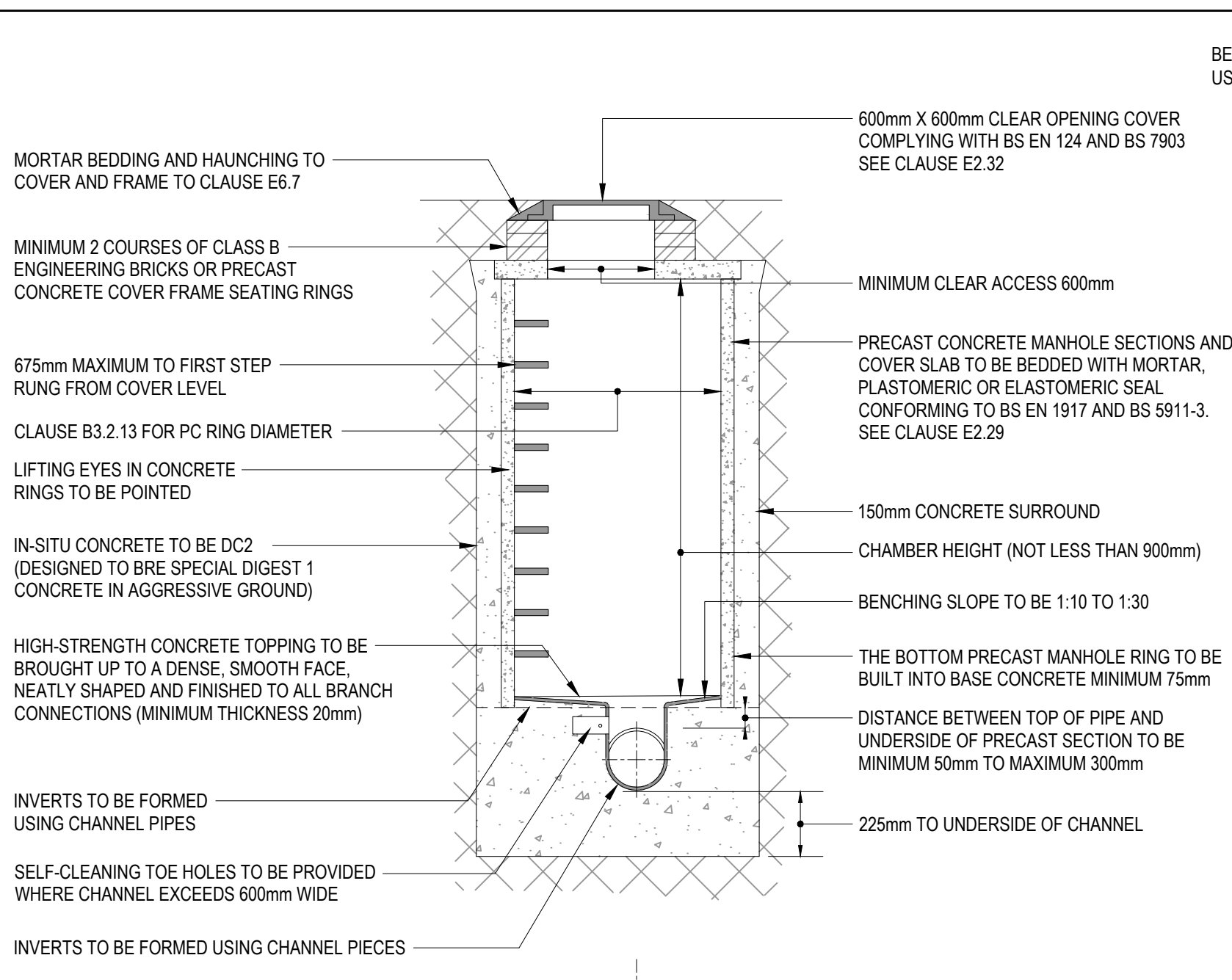
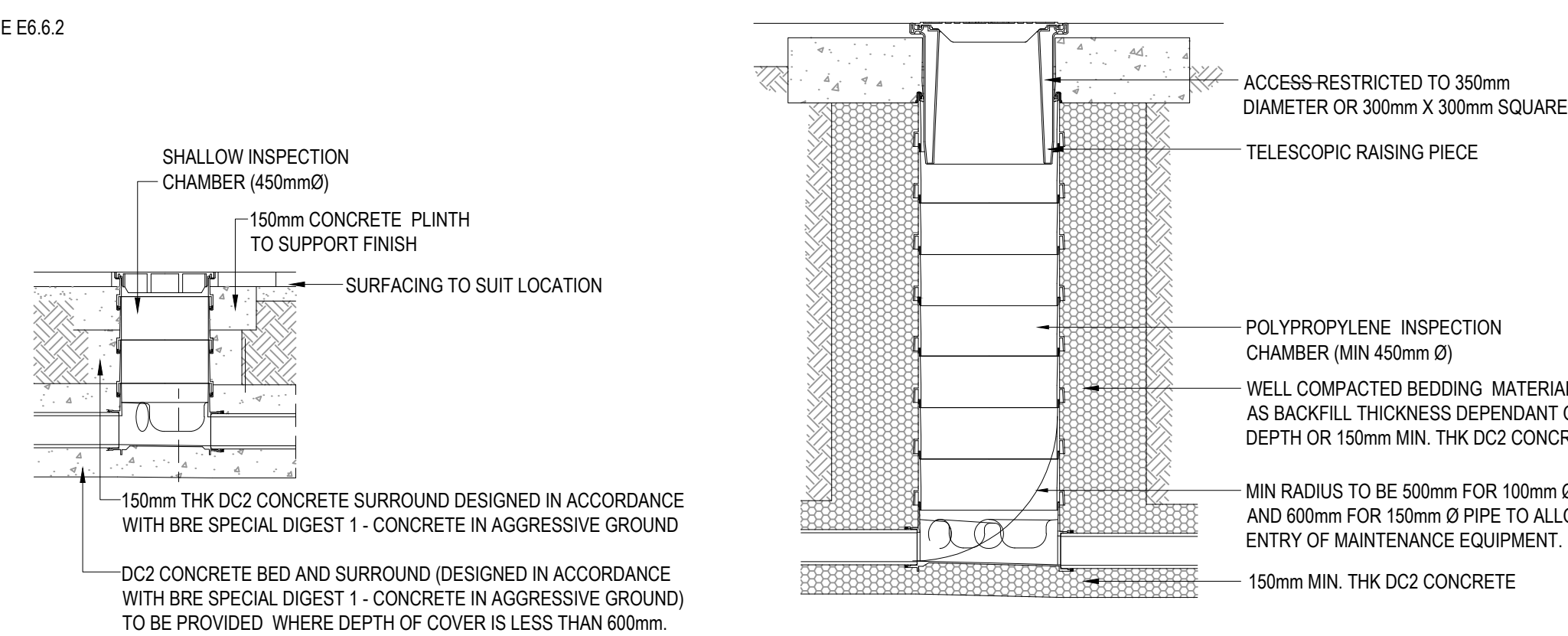




TYPICAL MANHOLE DETAIL - TYPE 2
(MAXIMUM DEPTH FROM COVER TO SOFFIT OF PIPE 3.0 m)



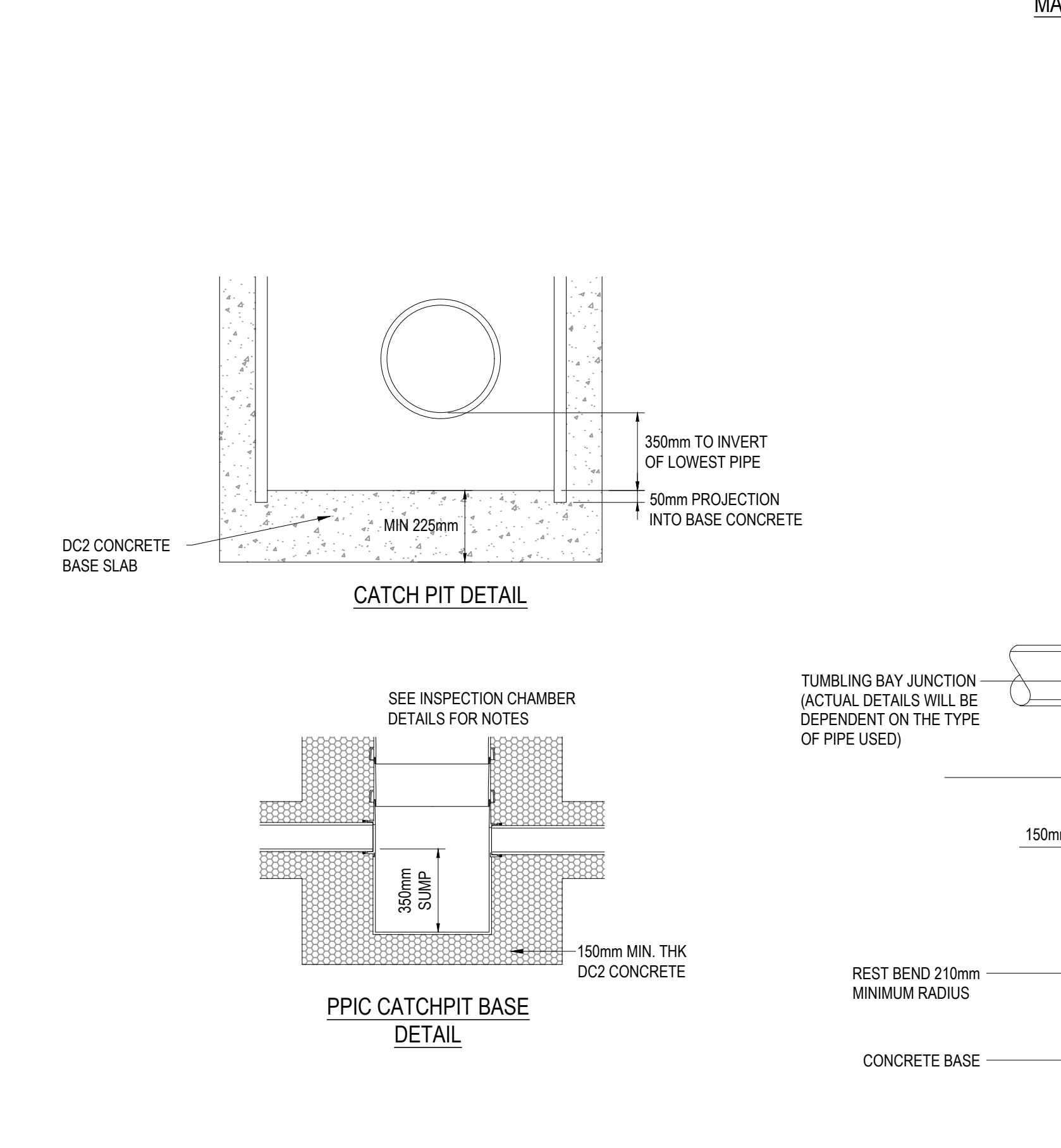
DEEP INSPECTION CHAMBER
DEPTHS BETWEEN 1.2m AND 3.0m

Diagram illustrating two installation methods for manhole covers in hard landscaped areas:

- Left Diagram:** SITED IN HARD LANDSCAPED AREAS WITH STANDARD SQUARE COVER. The cover is a square ductile iron cover and frame, secured with clips. It is supported by a 225mm deep concrete (DC2) plinth to support the finish.
- Right Diagram:** SITED IN HARD LANDSCAPED AREAS WITH RECESSED COVER. The cover is a square recessed cover and frame filled with matching finish material. It is supported by a 225mm deep concrete (DC2) plinth to support the finish.

The diagram illustrates a vertical manhole structure with a tumbling bay junction. Key components and labels include:

- TUMBLING BAY JUNCTION (ACTUAL DETAILS WILL BE DEPENDENT ON THE TYPE OF PIPE USED)**: Indicated by a horizontal line pointing to the junction area.
- 150mm**: Two vertical dimension lines indicating the height of the tumbling bay and the depth of the invert.
- INSIDE FACE OF MANHOLE**: A horizontal line pointing to the inner wall of the manhole.
- INVERT OF RODDING EYE TO BE NOT GREATER THAN 1.5m ABOVE TOP OF BENCHING (UNLESS SPECIFIC MAN-ACCESS REQUIREMENTS ARE PROVIDED)**: A horizontal line pointing to the invert level.
- STRAIGHT OUTLET PIPE FOR 150mm AND 225mm DIAMETER ONLY. FOR LARGER DIAMETERS, BENDS ARE TO BE BUILT THROUGH THE MANHOLE WALL**: A horizontal line pointing to the outlet pipe.
- TO CHANNEL**: A horizontal line pointing to the outlet pipe.
- BENCHING**: A horizontal line pointing to the base of the manhole.
- REST BEND 210mm MINIMUM RADIUS**: A horizontal line pointing to the bend in the outlet pipe.
- CONCRETE BASE**: A horizontal line pointing to the base of the manhole.
- EXTERNAL VERTICAL BACKDROP**: A horizontal line pointing to the vertical wall behind the manhole.



TYPICAL MANHOLE DETAIL - TYPE A2
(DEPTH FROM COVER TO SOFFIT OF PIPE 3m TO 6m)



Merchant Exchange, 17-19 Whitworth Street West, Manchester, M1 5WG
0161 236 2394
manchester@curtins.com
www.curtins.com

Builds & Structures • Transport Planning • Environmental • Infrastructure • Geotechnical • Conservation & Heritage • Principal Designer
Birmingham • Bristol • Cambridge • Cardiff • Douglas • Dublin • Edinburgh • Glasgow • Kendal • Leeds • Liverpool • London • Manchester • Nottingham

Size:	Date:	Drawn By:	Designed By:	Checked By:			
A1	18.11.22	ATL	ATL	MW			
Scale: NTS							
Project No:	Originator:	Zone:	Level:	Type:	Discipline:	Category / Number:	Rev: