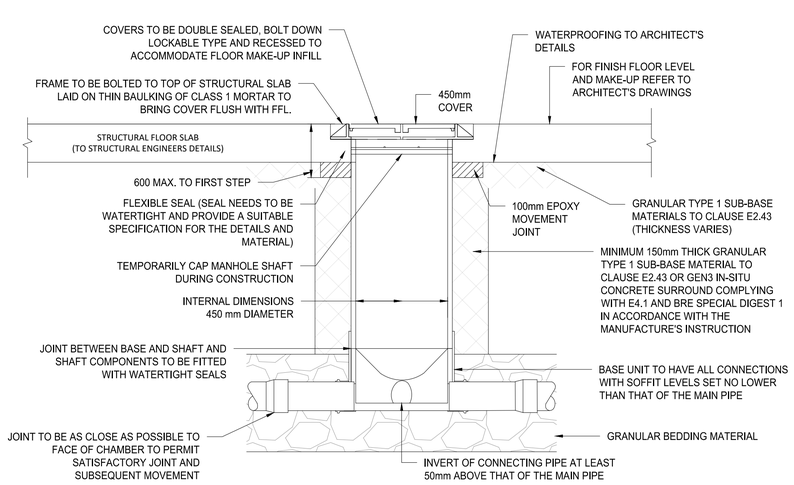
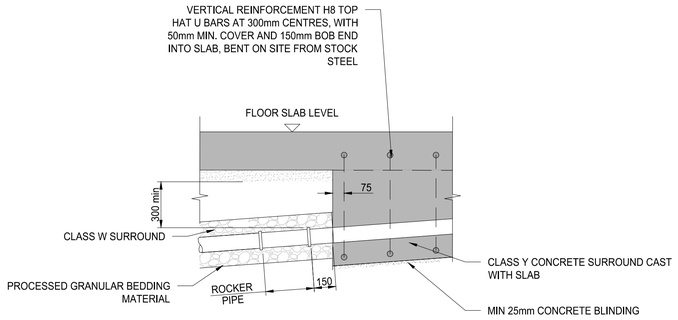
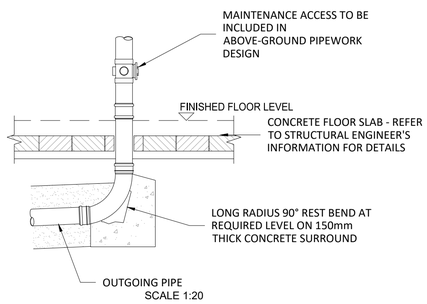


TYPICAL INTERIOR INSPECTION CHAMBER DETAIL - TYPE D

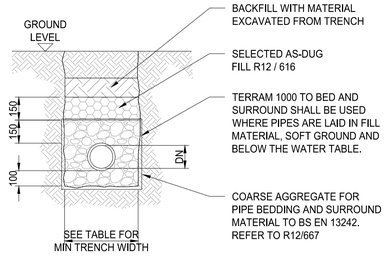
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE UP TO 3m, DOUBLE SEALED COVER FOR INDOOR APPLICATION



TYPICAL DETAIL FOR PIPELINES UNDER SLABS: CLASS Y AND W SURROUND

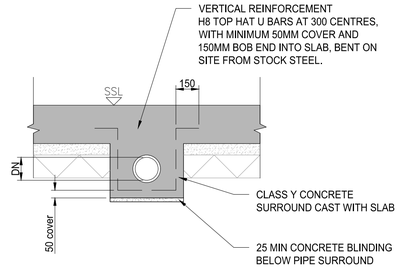


TYPICAL SOIL VENT PIPE / STUB STACK / INTERNAL RAINWATER PIPE CONNECTION DETAIL



CLASS S SURROUND

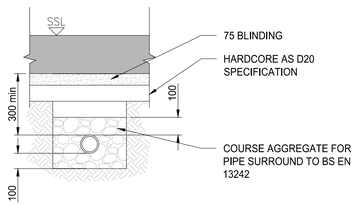
GRANULAR SURROUND & BACKFILL FOR SOFT OR HARD LANDSCAPING AREAS NOT SUBJECT TO VEHICLE LOADING



CLASS Y SURROUND

FOR PIPES WITH CROWN < 300 UNDER BUILDING

FOR PLASTIC PIPES CARE IS TO BE TAKEN IN PLACING CONCRETE TO AVOID DEFORMATION OR DISPLACEMENT OF PIPE.



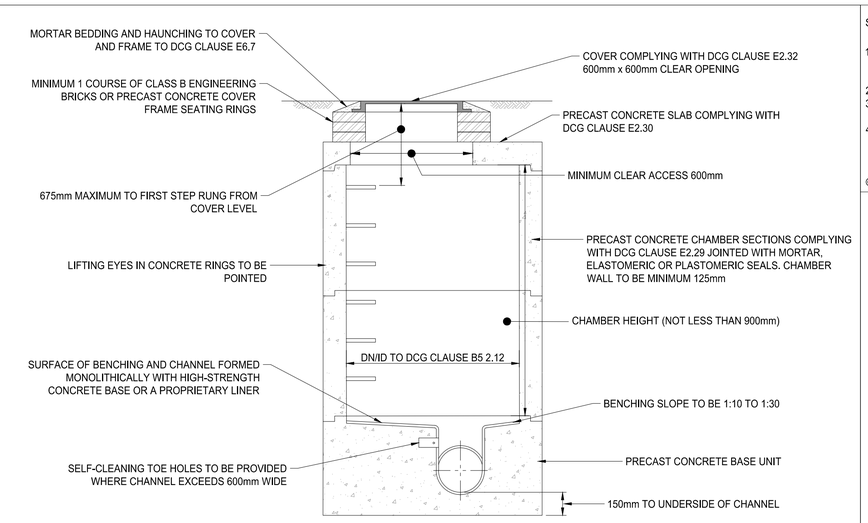
CLASS W SURROUND

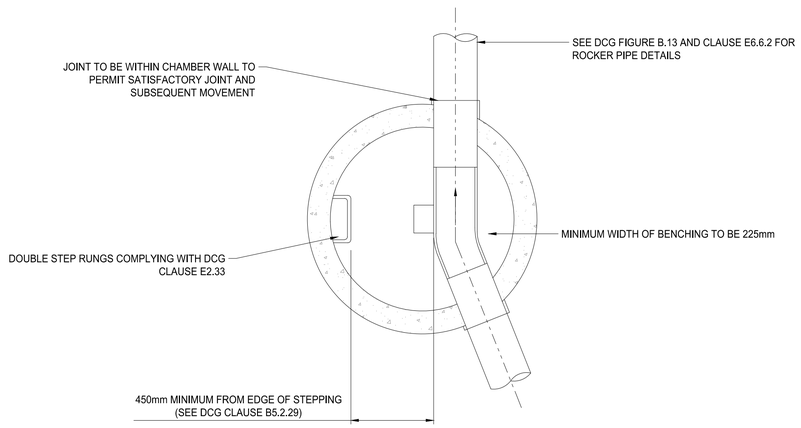
FOR PIPES WITH CROWN >300 UNDER BUILDING

DN	MINIMUM TRENCH WIDTH (OD + X)		
	SUPPORTED TRENCH	UNSUPPORTED TRENCH	
		# > 60°	# < 60°
LESS 225	600	600	600
225 TO 350	800	800	800
350 TO 700	OD + 700	OD + 700	OD + 400
700 TO 1200	OD + 850	OD + 850	
GREATER 1200	OD + 1000	OD + 1000	OD + 400

IN THE VALUES OD + X, X/2 EQUALS THE MINIMUM WORKING SPACE BETWEEN THE PIPE AND THE TRENCH WALL OR SUPPORT, WHERE:
OD IS EXTERNAL DIAMETER,
IS ANGLE OF UNSUPPORTED TRENCH SIDE MEASURED TO THE HORIZONTAL.

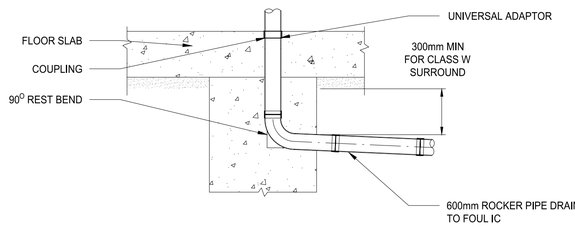
MINIMUM TRENCH WIDTH IN RELATION TO NORMAL SIZE DN





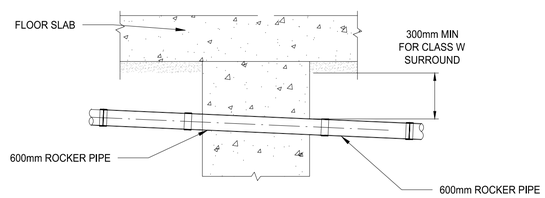
TYPICAL MANHOLE DETAIL - TYPE B

DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 1.5m TO 3m RIGID MATERIAL CONSTRUCTION WITHOUT CONCRETE SURROUND (NTS)



SS/RWP DETAIL CAST INTO GROUND BEAM

SCALE 1:20



DRAINAGE RUN DETAIL CAST THROUGH GROUND BEAM

SCALE 1:20

STANDARD NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS AND THE SPECIFICATIONS.
2. THIS DRAWING SHOULD NOT BE SCALED.
3. ALL DIMENSIONS ARE TO BE VERIFIED BY THE CONTRACTOR ON SITE.
4. ALL DISCREPANCIES SHOULD BE REPORTED TO C.A./E.A. PRIOR TO THE COMMENCEMENT OF WORKS.

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DATE	REV	DESCRIPTION	DRAWN	CHKD
23.05.25	P01	STAGE 4 ISSUE	ZHH	AMG

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PROJECT

BRIDGE COLLEGE
MANCHESTER

TITLE

TYPICAL DRAINAGE DETAILS
SHEET 1

DRAWING STATUS	STATUS CODE
STAGE 4	-

CE PROJECT No.	SCALE @ A1	DATE CREATED	DRAWN	CHECKED
465-27	1:20	MAY '25	ZHH	AMG

DRAWING No. 465-27-CIV-XX-XX-D-C-31001 REV P01

FILE LOCATION PATH: \\FS01\PROJECTS DRIVE\PROJECTS HOT\465-27 BRIDGE COLLEGE ADVICE ON ROOF EXTENSION\004 BIM\CIVILS\DRAWINGS\465-27-CIV-XX-XX-D-C-31001_DRAINAGE DETAILS.DWG