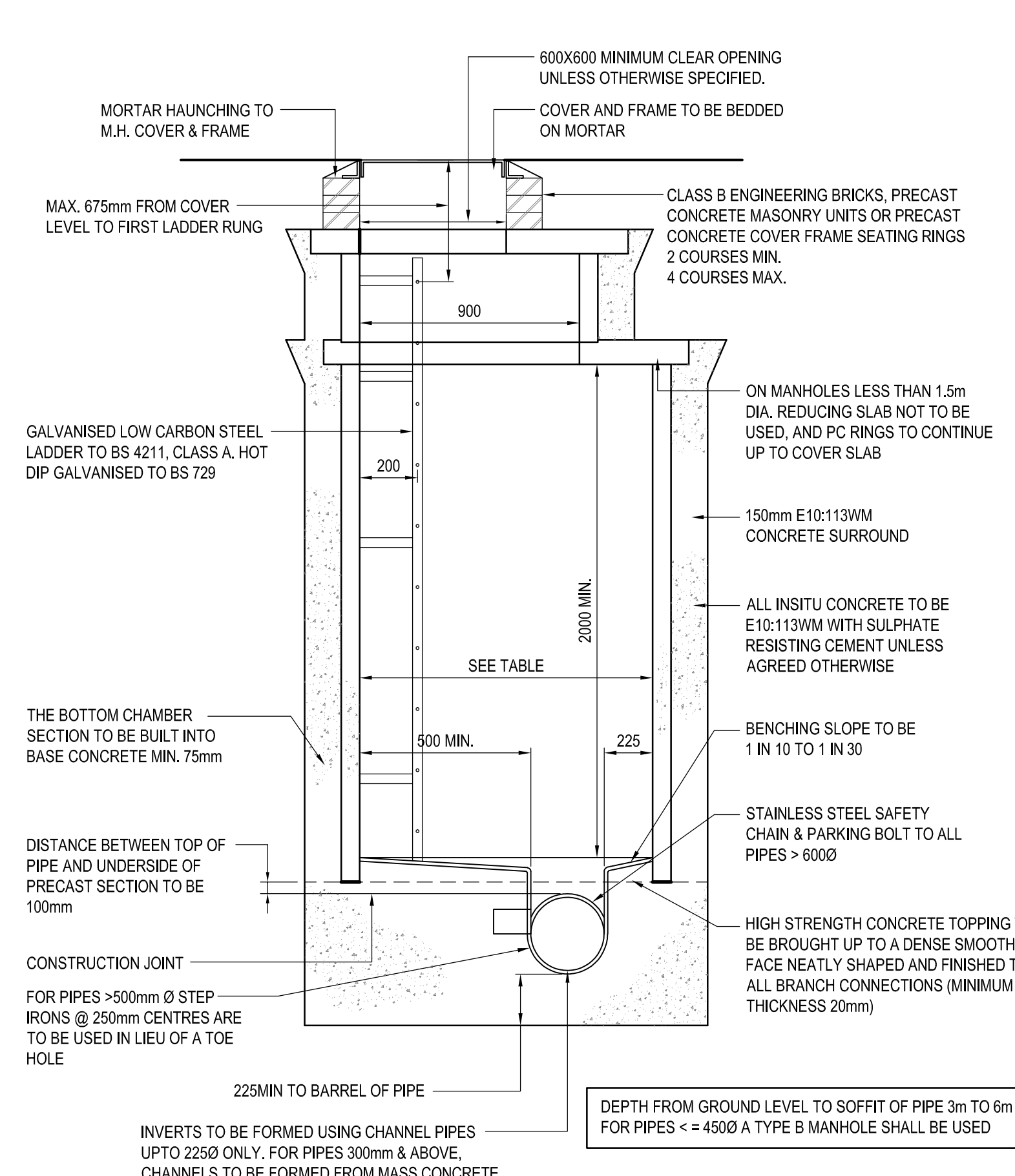


GENERAL NOTES

1. DO NOT SCALE FROM THIS DRAWING WORK TO FIGURED DIMENSIONS ONLY.
2. NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS ALLOWED WITHOUT PRIOR PERMISSION IN WRITING.
3. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS AND THE SPECIFICATION.
4. THE CONTRACTOR SHALL INCORPORATE ALL THE REQUIREMENTS OF THE PRE-TENDER STAGE HEALTH & SAFETY PLAN.

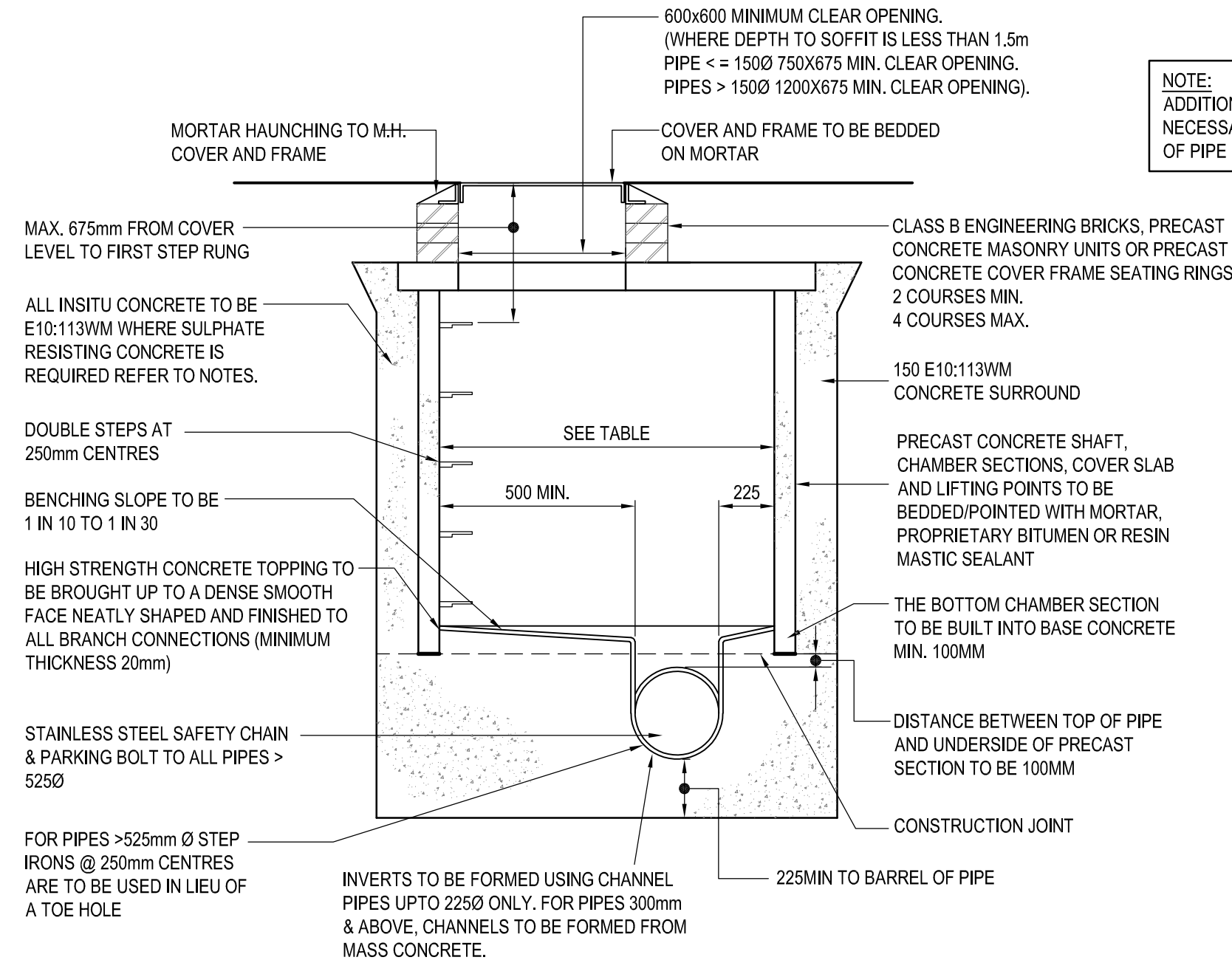
RESIDUAL RISK REGISTER

REFER TO WML CIVIL / STRUCTURAL DESIGN RISK REGISTER IN ADDITION TO THE HAZARDS / RISKS NORMALLY ASSOCIATED WITH THE TYPE OF WORKS INDICATED ON THIS DRAWING. NOTE THE FOLLOWING:-



TYPICAL MANHOLE DETAIL TYPE A (SECTION

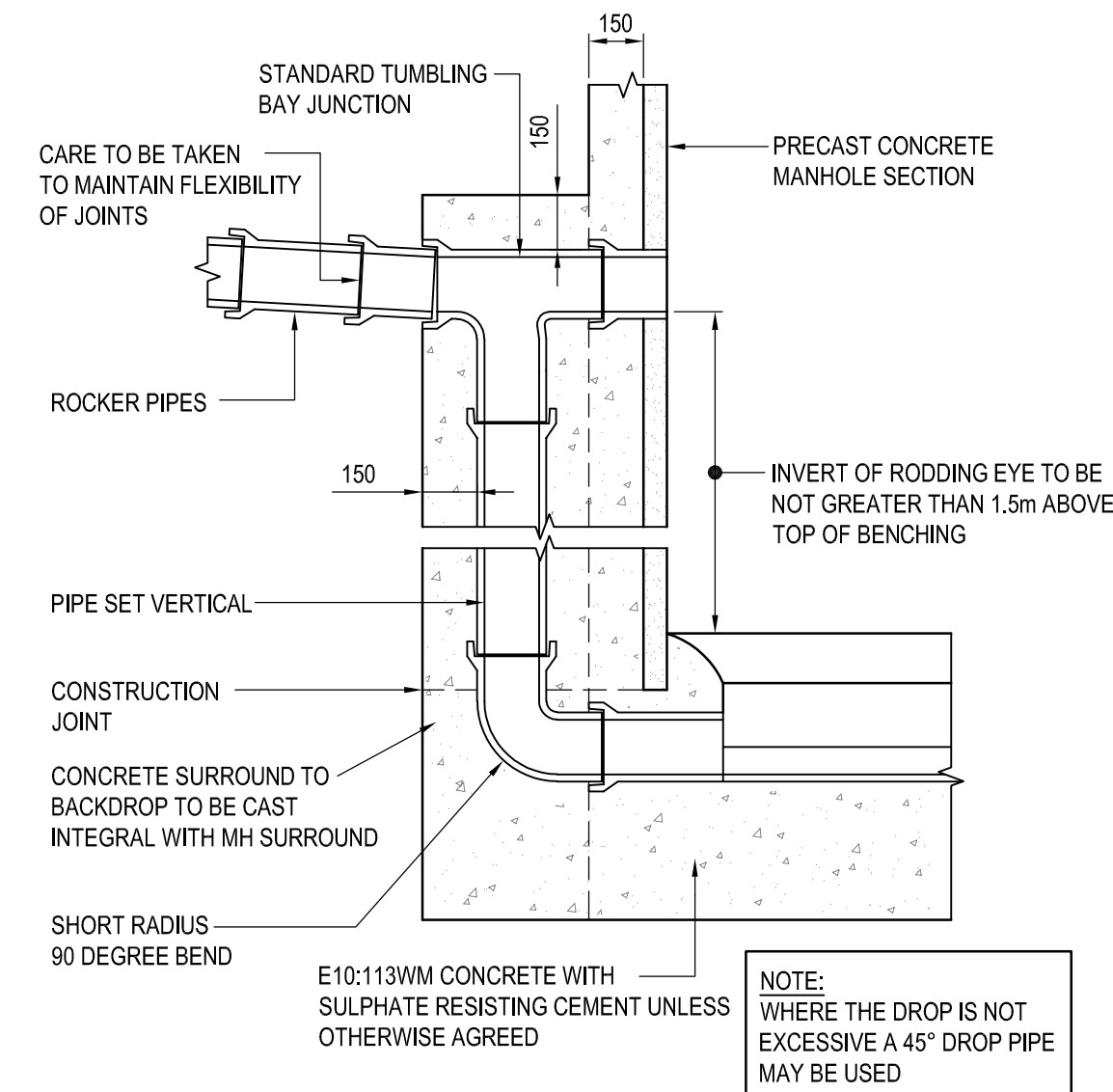
[SCALE 1:20 @ A:]



DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	MIN. MANHOLE INTERNAL DIAMETER (mm)
< = 300mm (< 1.5M DEEP TO SOFFIT)	1200
> 300mm (< 1.5M DEEP TO SOFFIT)	THE LARGER OF 1800 OR (DN + 75)
< = 450mm	1200
> 450mm	THE LARGER OF 1800 OR (DN ± 75)

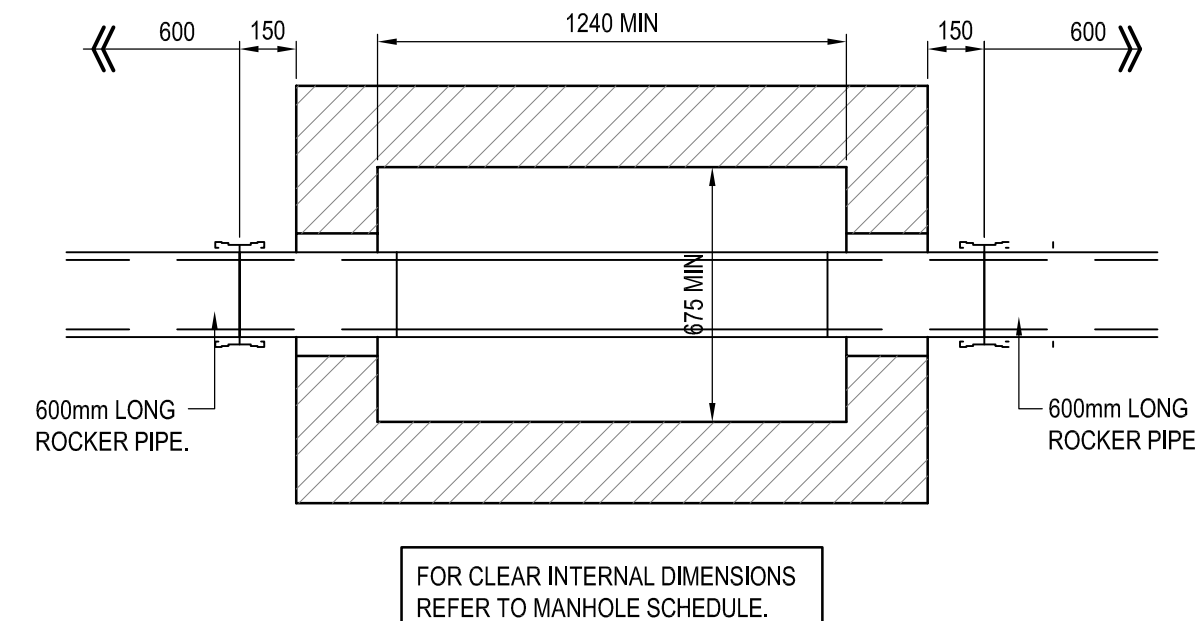
TYPICAL MANHOLE DETAIL TYPE B (SECTION

[SCALE 1:20 @ A1]

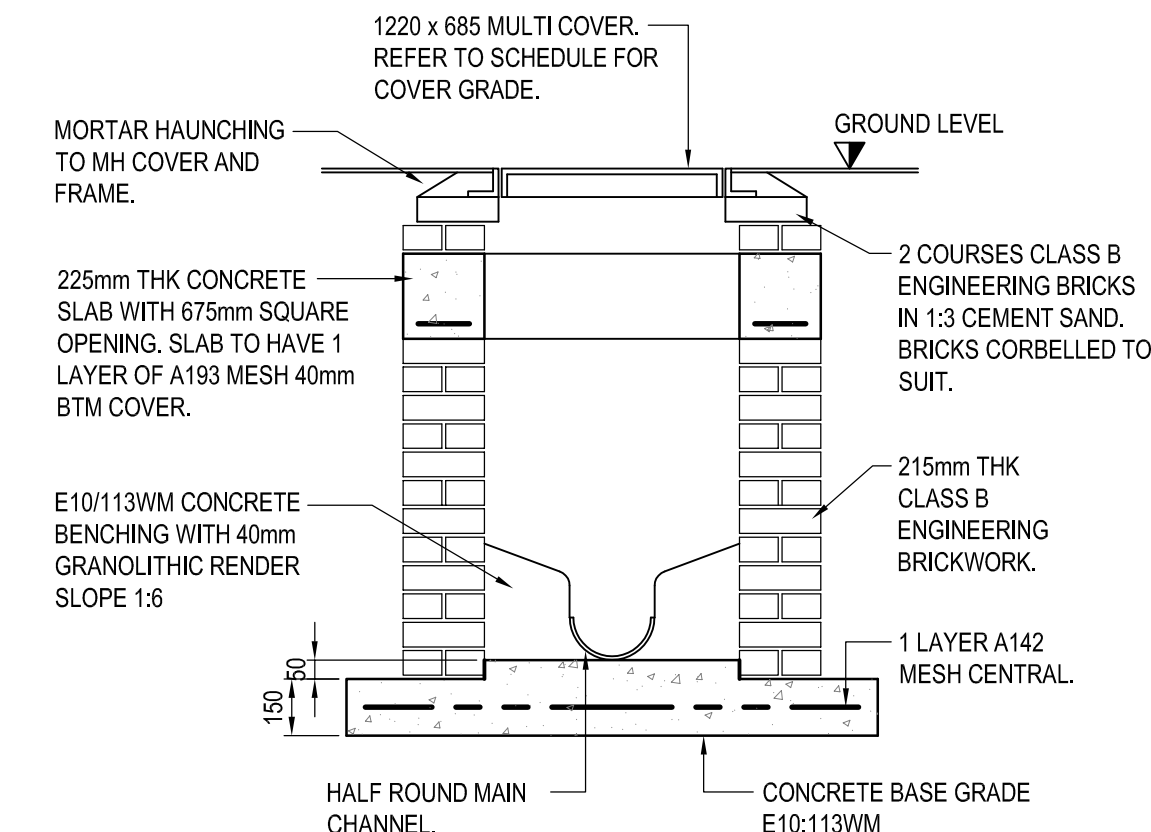


TYPICAL VERTICAL BACKDROP DETAIL

[SCALE 1:20 @ A]



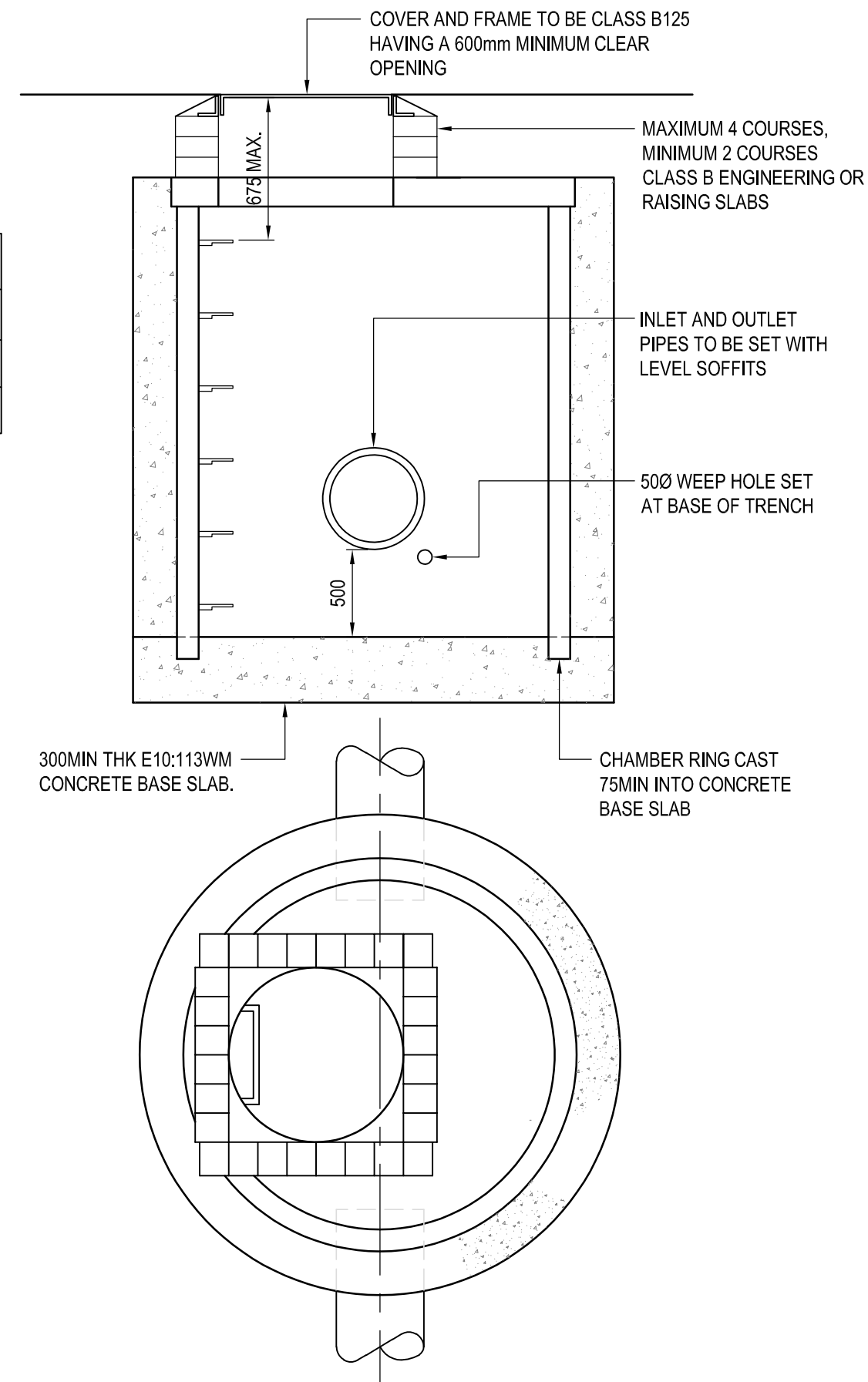
PLAN SECTION



CROSS SECTION

BRICKWORK MANHOLE TYPE C DETAIL

(DEPTH TO SOFFIT UP TO 1.5m)
[SCALE 1:20]



TYPICAL CATCHPIT MANHOLE PLAN & SECTION

(CHAMBER CONSTRUCTION AS FOR PCC MANHOLES)

[SCALE 1:20 @ A1]

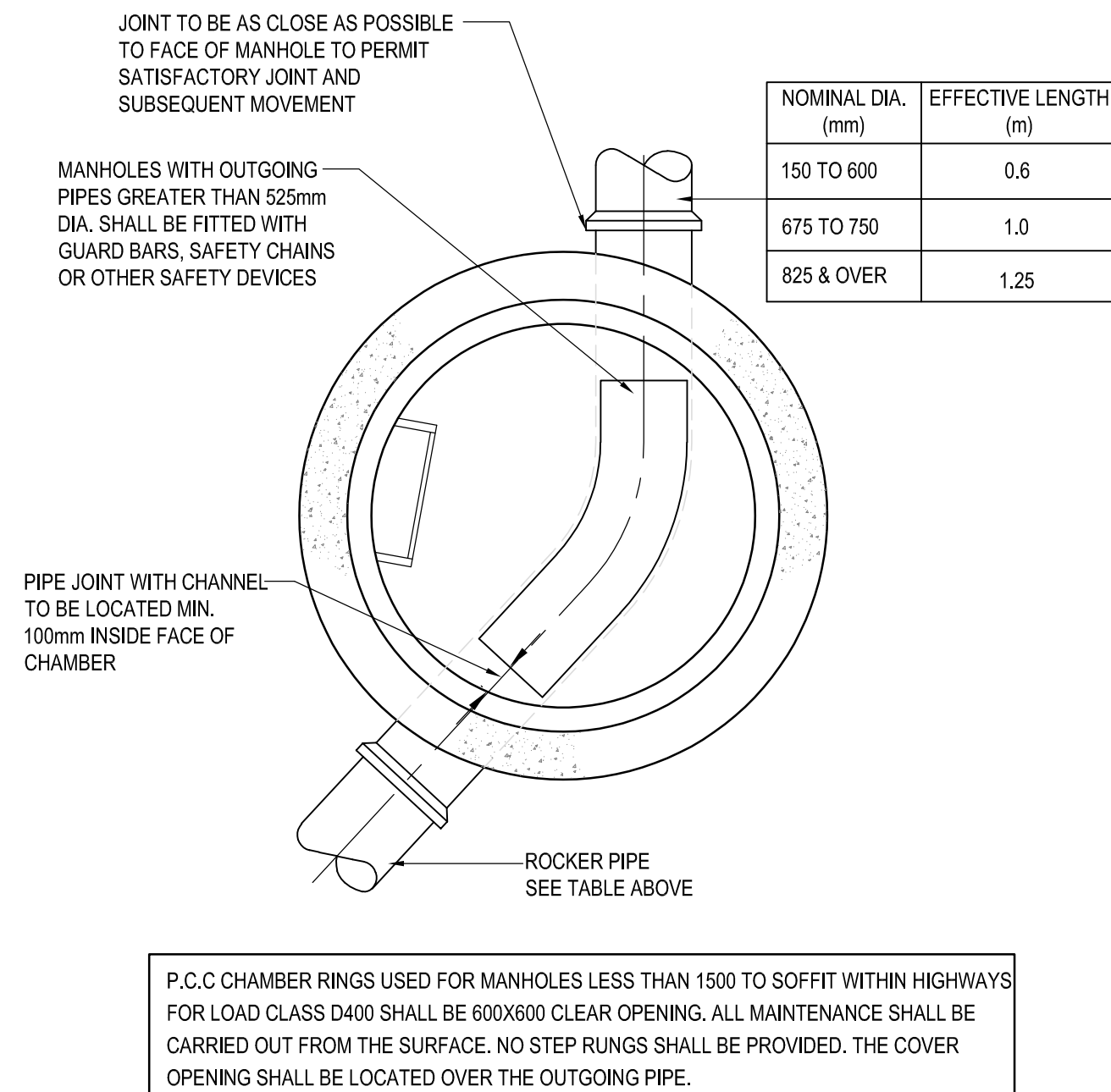
Diagram illustrating the internal structure of a Type B Manhole. The diagram shows a circular manhole with a central vertical pipe. Key components and dimensions are labeled:

- JOINT TO BE AS CLOSE AS POSSIBLE TO FACE OF MANHOLE TO PERMIT SATISFACTORY JOINT AND SUBSEQUENT MOVEMENT**: Points to the joint between the pipe and the manhole structure.
- REFER TO TABLE BELOW**: Points to the table detailing nominal diameters and effective lengths.
- SELF CLEANING TOE HOLES TO BE PROVIDED WHERE CHANNEL EXCEEDS 600mm WIDE**: Points to the self-cleaning toe holes on the internal pipe.
- SHORT LENGTHS TO BE SIMILAR TO ROCKER PIPE**: Points to the short length section of the pipe.
- PIPE JOINT WITH CHAIN ON INSIDE FACE OF CHAIN TO BE LOCATED MIN.**: Points to the chain and joint mechanism.
- OUTGOING PIPES MUST BE FITTED WITH GUARD BARS, SAFETY CHAINS OR OTHER SAFETY DEVICES IN ACCORDANCE WITH THE UNDERTAKER'S SAFETY POLICY (FOR PIPES GREATER THAN 525Ø)**: Points to the safety chain and guard bar mechanism.
- DEPTH FROM GROUND LEVEL TO SOFFIT OF PIPE 3m TO 6m FOR PIPES <= 450Ø A TYPE B MANHOLE SHALL BE USED**: Points to the depth of the manhole.

NOMINAL DIA. (mm)	EFFECTIVE LENGTH (mm)
150 TO 600	
675 TO 750	
825 & OVER	

TYPICAL MANHOLE DETAIL TYPE A (PLAN)

[SCALE 1:20 @ A1]



TYPICAL MANHOLE DETAIL TYPE B (E/F)
DEPTH TO SOFFIT OF PIPE 1.5m* TO 3.0m

[SCALE 1:20 @ A]

TENDER