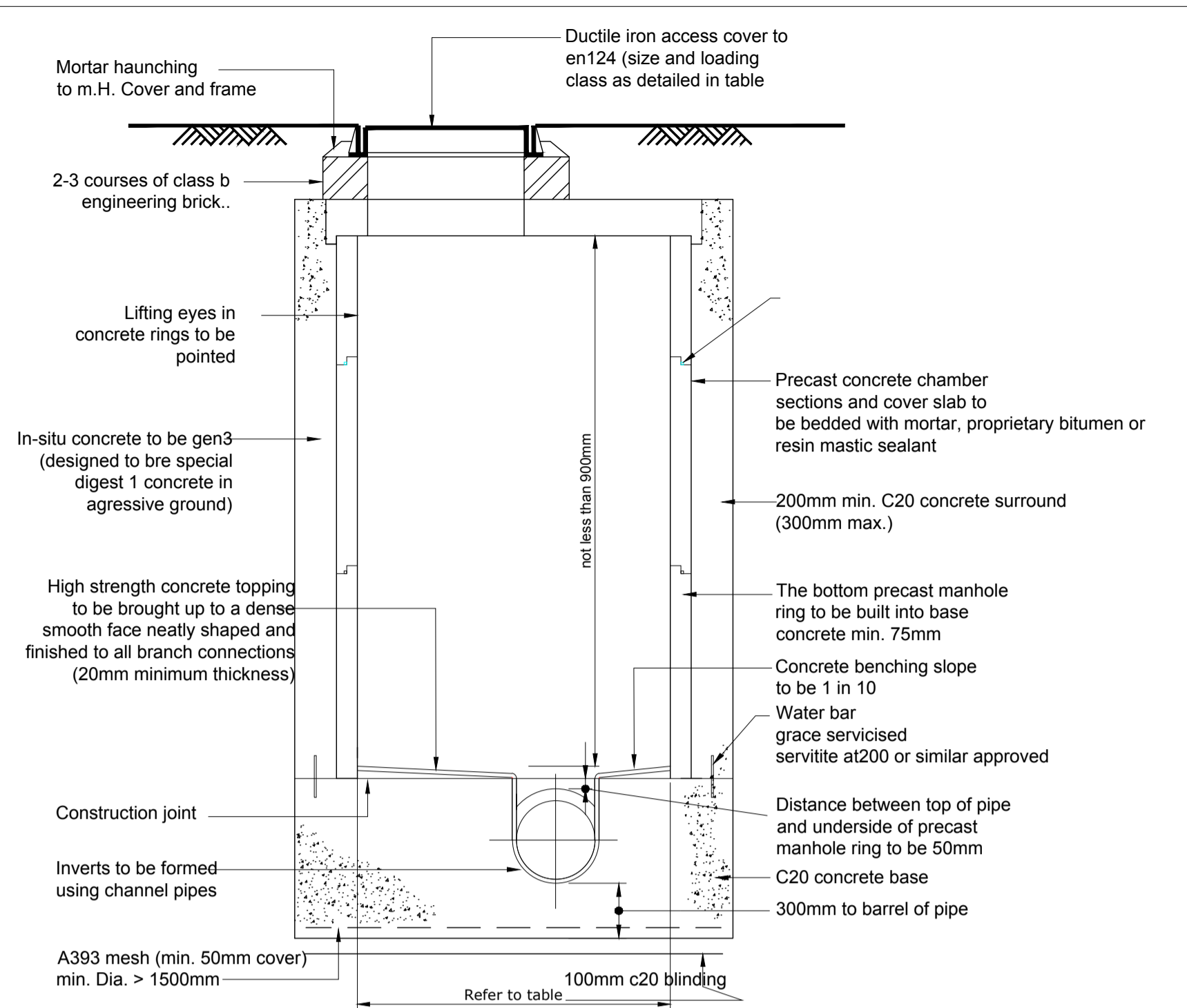


**Surface water flow control chamber
sw 1 - manhole type f**



**Typical precast manhole detail - type b
maximum depth from cover level to soffit of pipe 3.0m**

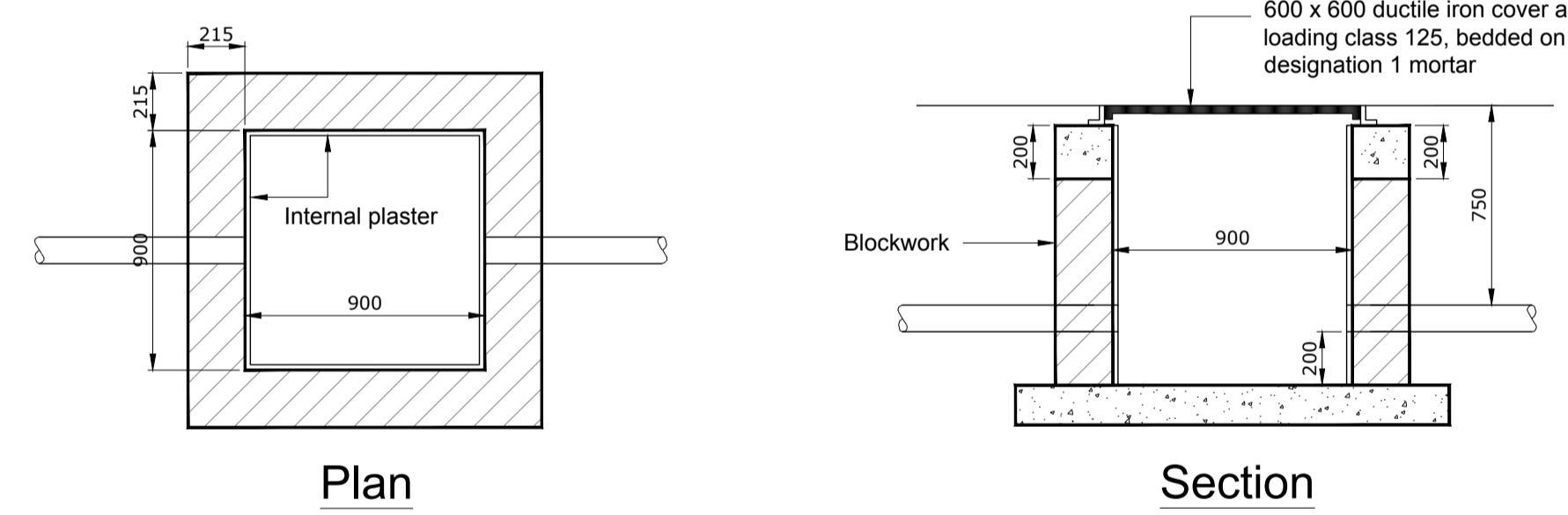
Type of access	Depth from soffit to cover level (m)	Dn largest pipe in manhole / means of descent into shaft	Minimum internal dimensions	Minimum access size		Remarks
				Rectangular	Circular	
Manhole c	1.0 - 1.5	≤ 150mmØ	1000mmØ	750 x 750 c	600Ø	Generally in accordance with safe work in confined spaces - health and safety commission Larger opening size is required for manholes at shallower depths to permit standing / crouching Cover loading class c250 in fields and d400 in roads / road margins
		225mmØ	1200mmØ	750 x 600 e	750Ø	
		300mmØ	1200mmØ	750 x 600 e	750Ø	
		375mmØ to 450mmØ	1350mmØ	1200 x 675 c	1200 x 675 c	
		500mmØ to 700mmØ	1500mmØ	1200 x 675 c	1200 x 675 c	
Manhole b	1.5 - 3.0	≥ 225mmØ	1200mmØ	750 x 600 e	700Ø	Where a ladder is provided, a larger size may be needed Cover loading class c250 in fields and d400 in roads / road margins & footpaths
		300mmØ	1200mmØ	750 x 600 e	750Ø	
		375mmØ to 450mmØ	1350mmØ	750 x 600 e	750Ø	
		500mmØ to 700mmØ	1500mmØ	750 x 600 e	750Ø	
		750mmØ to 900mmØ	1800mmØ	750 x 600 e	750Ø	

- I. These sizes apply to straight-through pipes; larger sizes may be required for turning chambers or chambers with several side branches or where specific maintenance requirements are necessary, e.g. Disconnecting traps.
- ii. Minimum height of chamber in shafted manhole 2m from benching to underside of reducing slab.
- iii. May be reduced to 600 x 600 or 600Ø where the configuration of the manhole chamber permits a safe system of work.
- iv. C denotes central.
- v. E denotes eccentric.
- vi. All manholes / chambers to include ladder / rung access as per details.

- NOTES:**
- FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
 - ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE.
 - ENGINEER/EMPLOYERS REPRESENTATIVE, AS APPROPRIATE, TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES.
 - THE CONTRACTOR SHALL UNDERTAKE A THOROUGH CHECK FOR THE ACTUAL LOCATION OF ALL SERVICES/UTILITIES, ABOVE AND BELOW GROUND, BEFORE ANY WORK COMMENCES.
 - ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD.

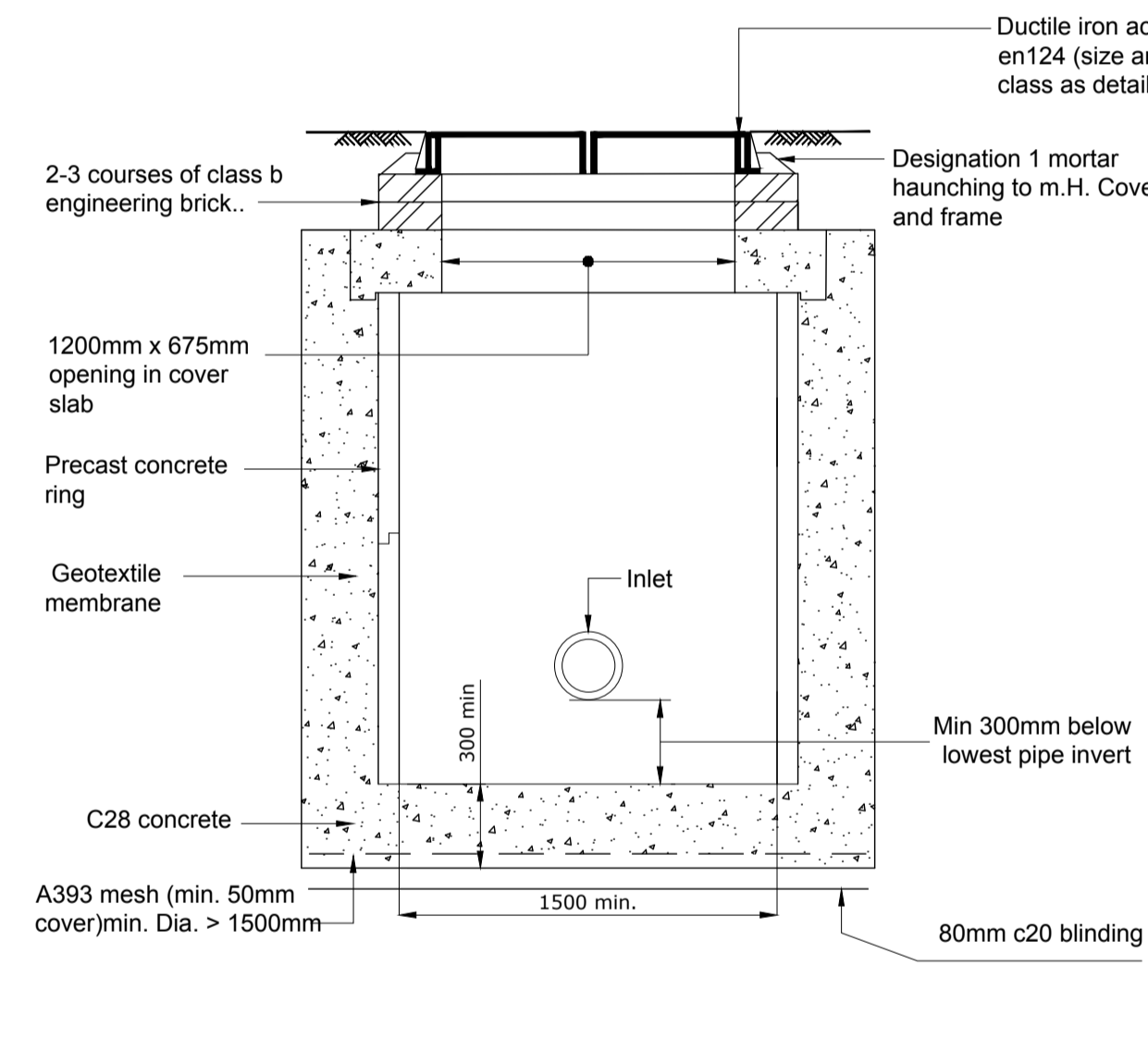


A	18.06.21	PLANNING ISSUE	MN	MMcC
Rev	Date	Description	By	Chkd.

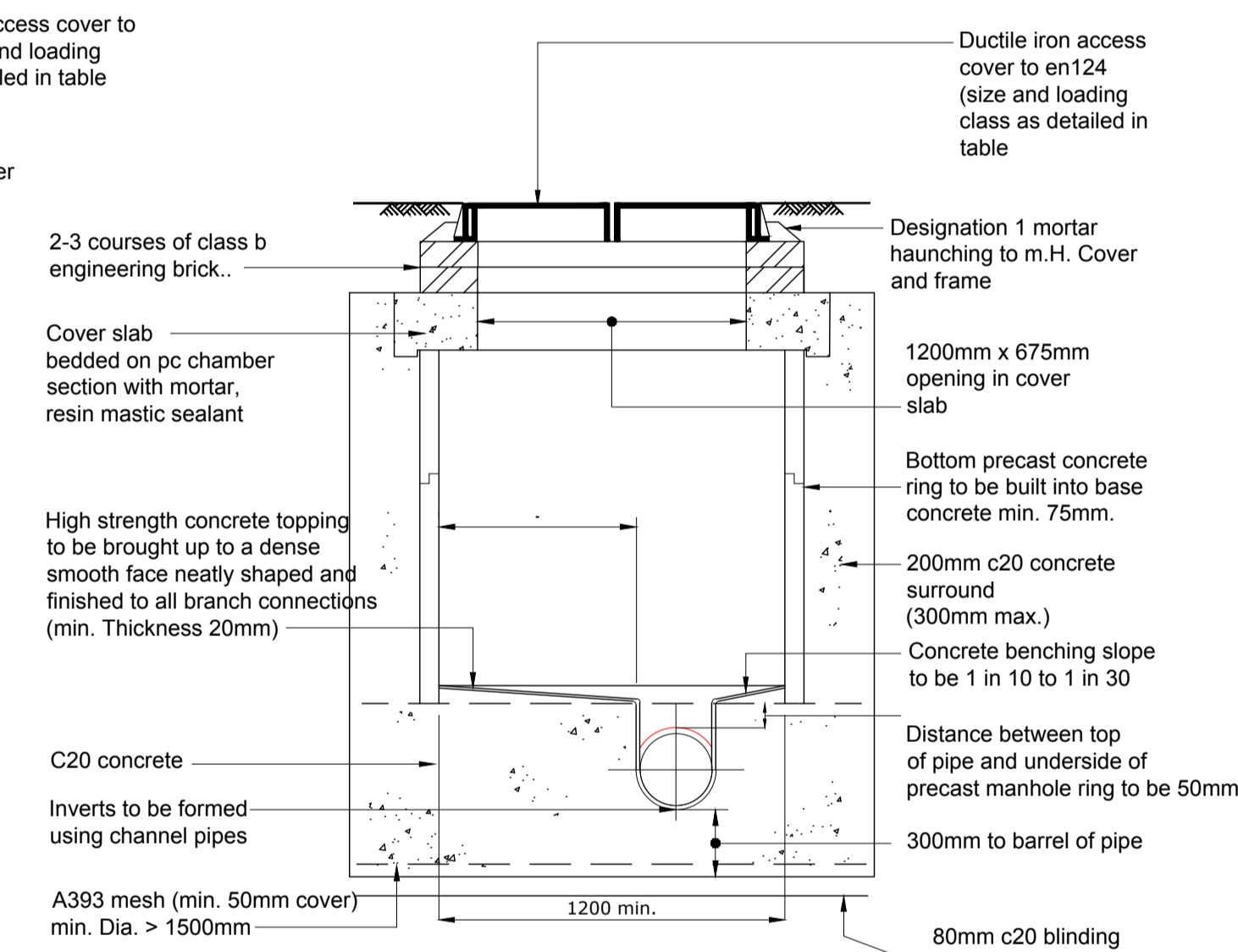


Note:
duct chamber consisting of grade 25/20 base and roof slab 200mm thick, 215mm thick blockwork walls and heavy duty ductile iron cover as specified.

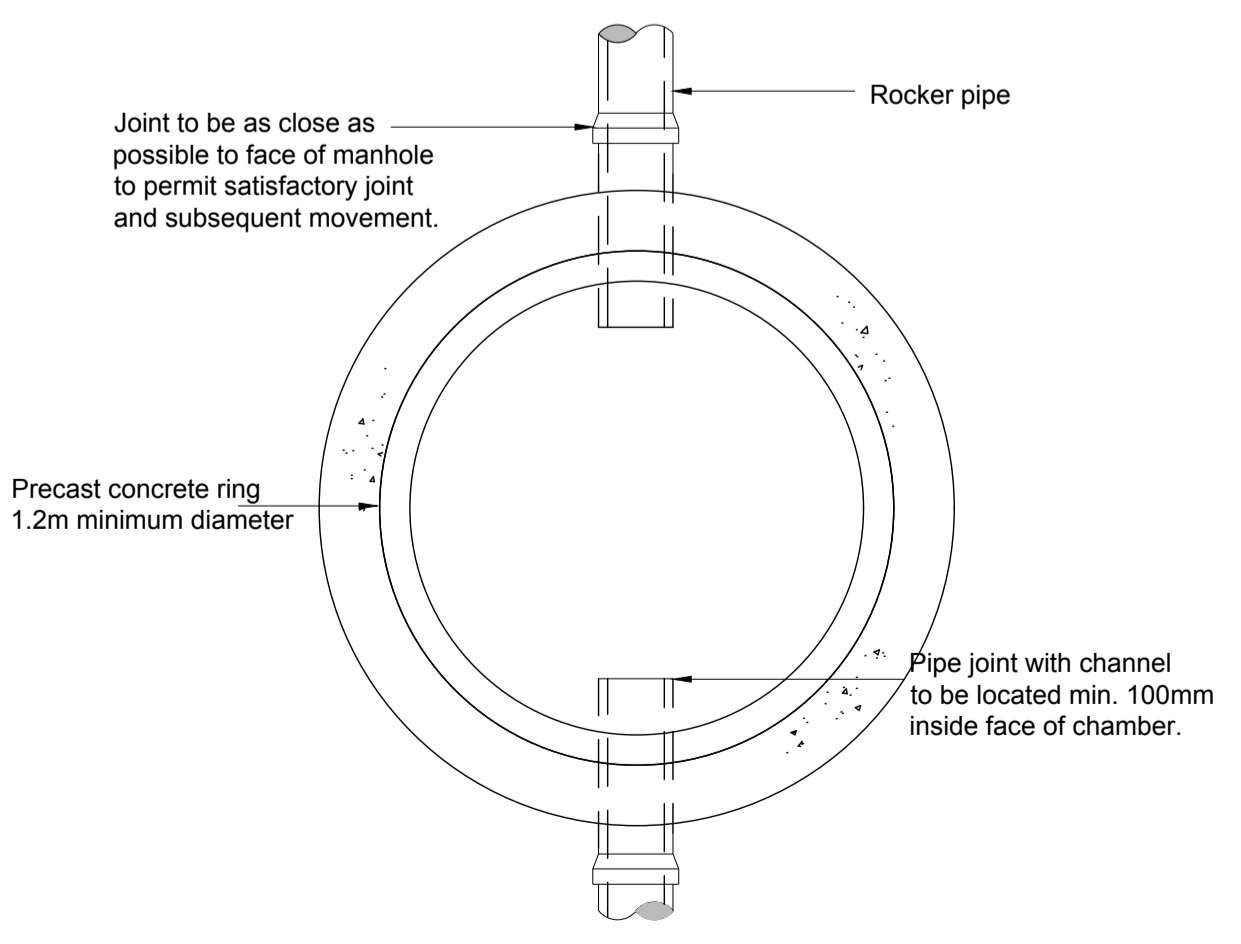
Typical duct chamber detail



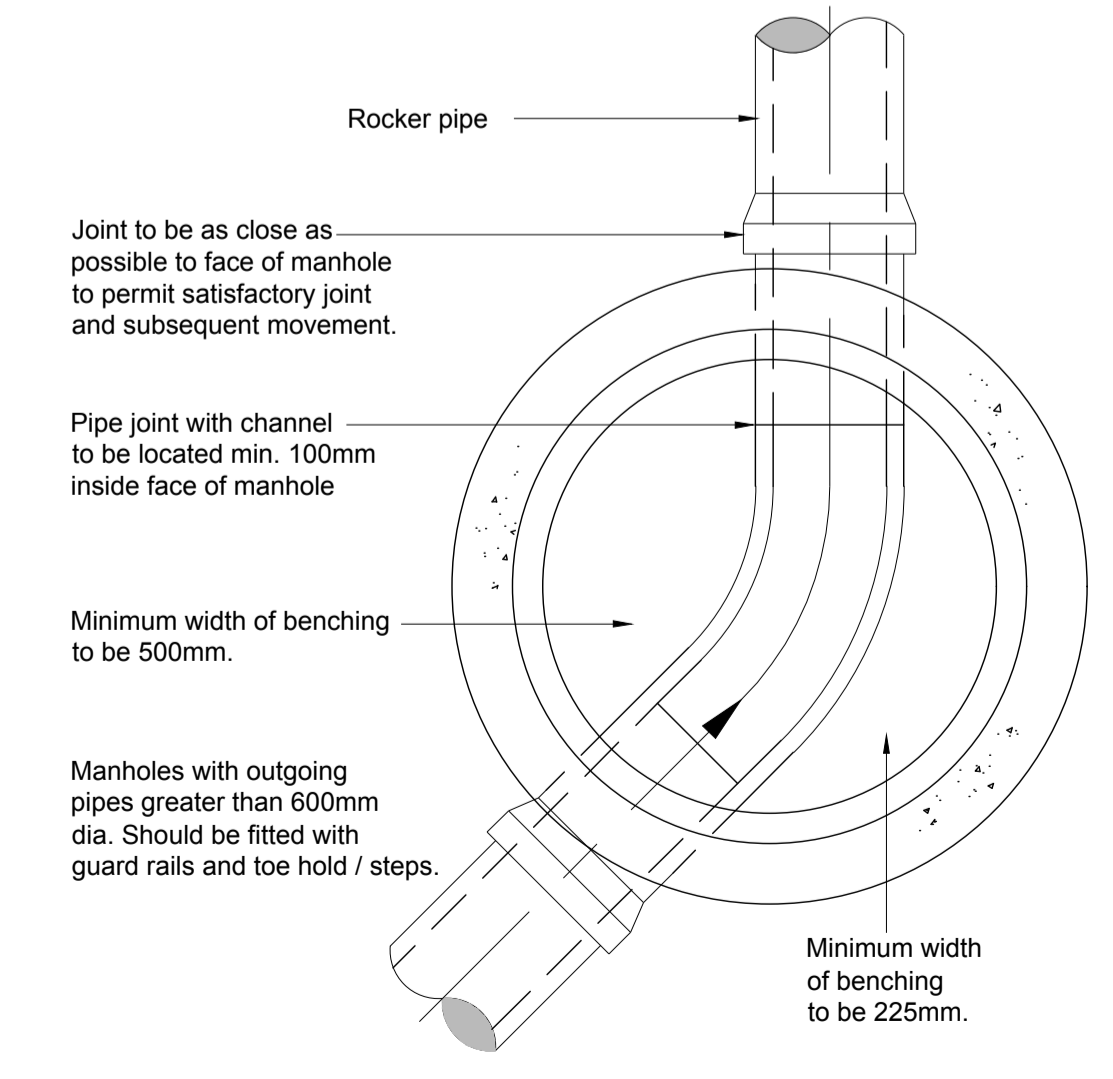
**Typical precast manhole detail - type e
depth from ground level to soffit of pipe 1 - 1.5m**



**Typical precast manhole detail - type c
depth from ground level to soffit of pipe 1.0 - 1.45m**



Plan on manhole type e



Plan on manhole type b

Client:

Project: **PROFILE PARK POWER PLANT**

Title: **TYPICAL MANHOLE DETAILS**

Scale @ A1: 1:25

Prepared by:	Checked:	Date:
M. Nolan	M. McCarthy	June 2021
Project Director:	S. Tinnelly	
Drawing Status:	Planning	

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Drawing No.: **11069-2021** Revision: **A**