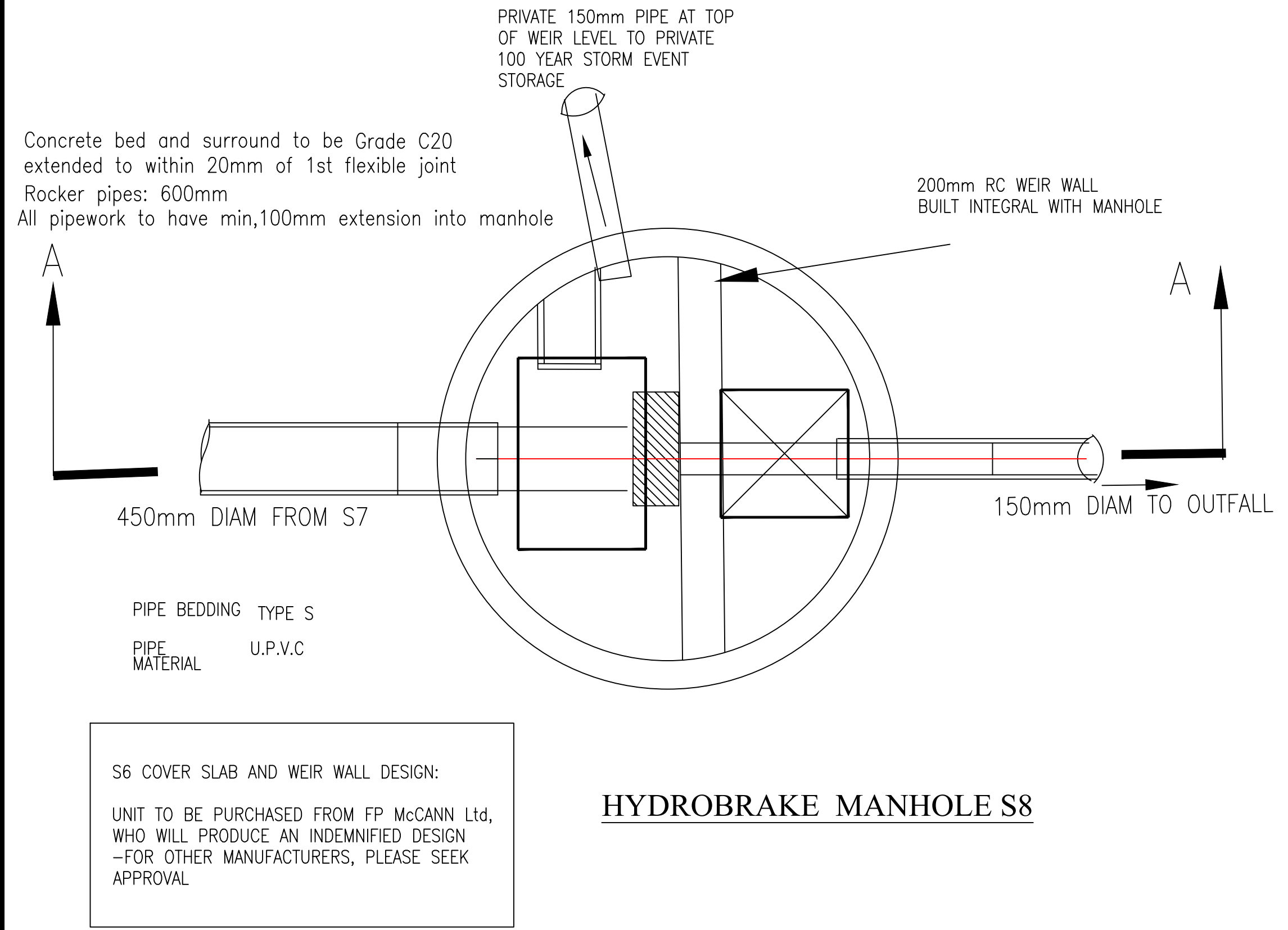
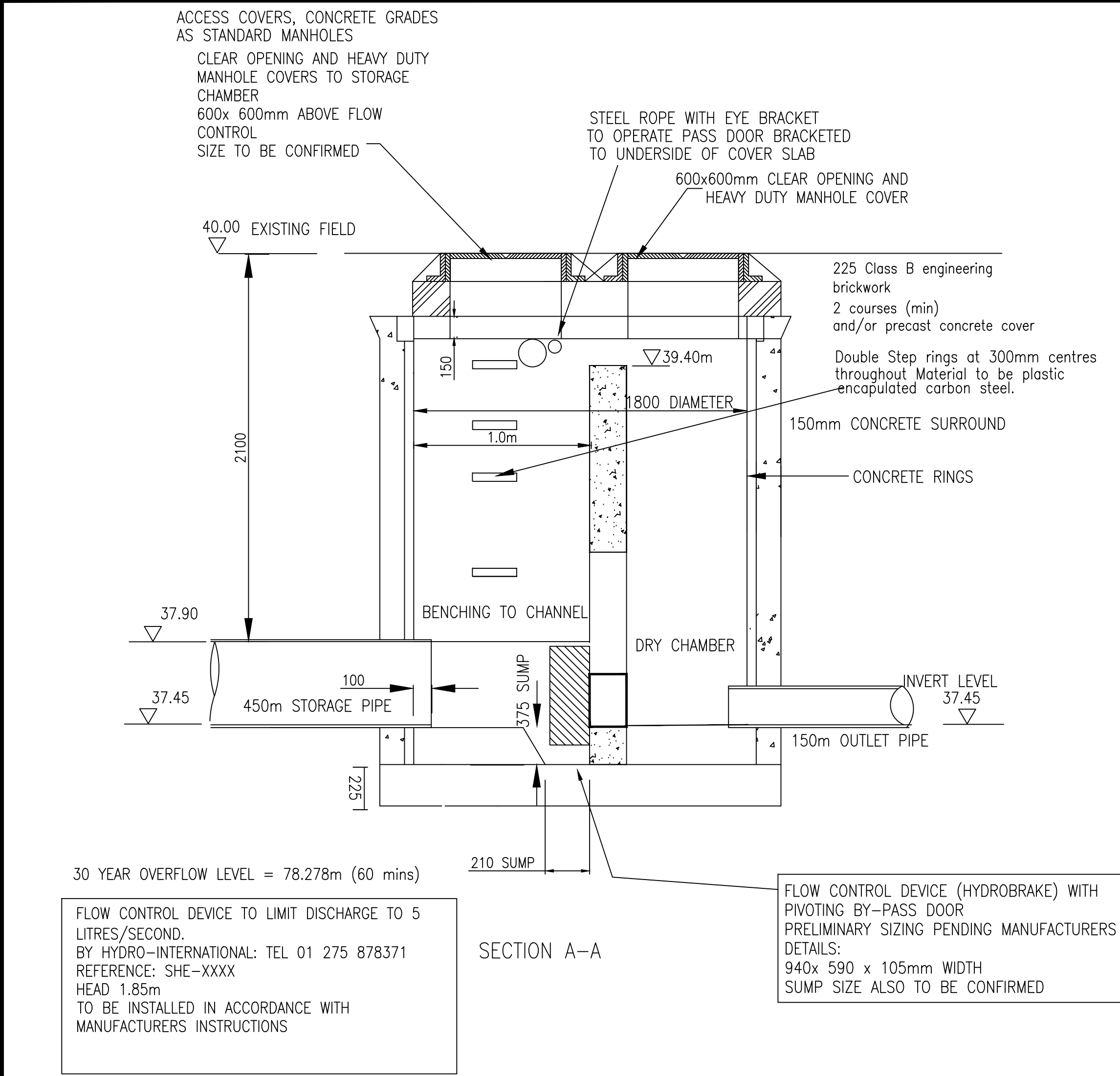
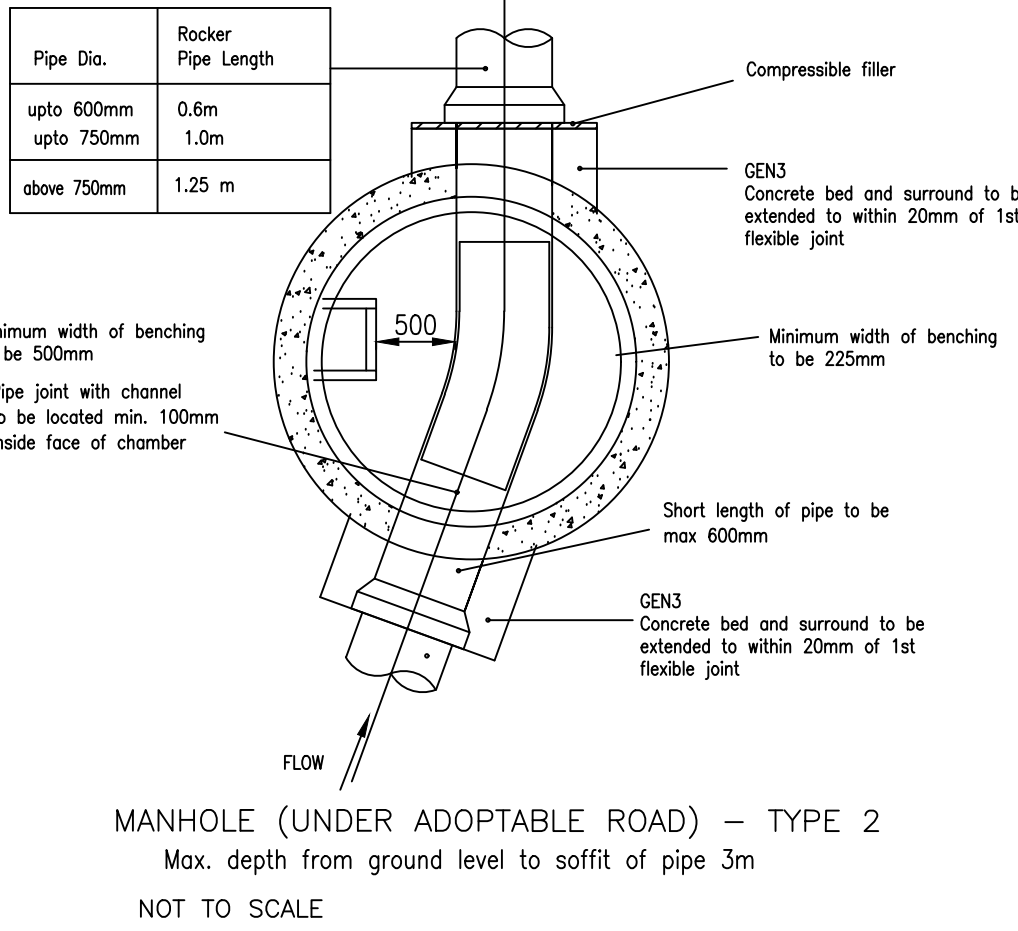
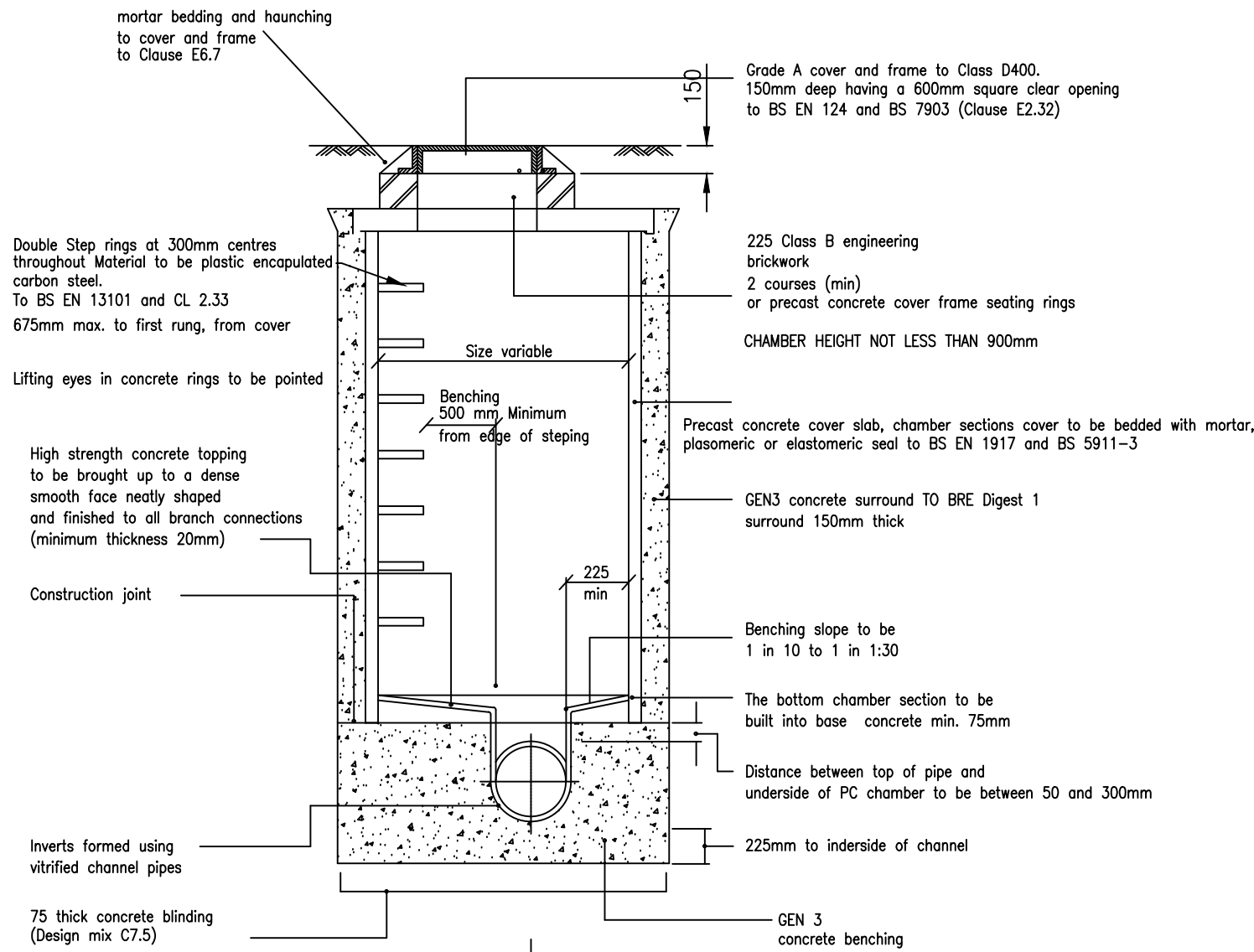
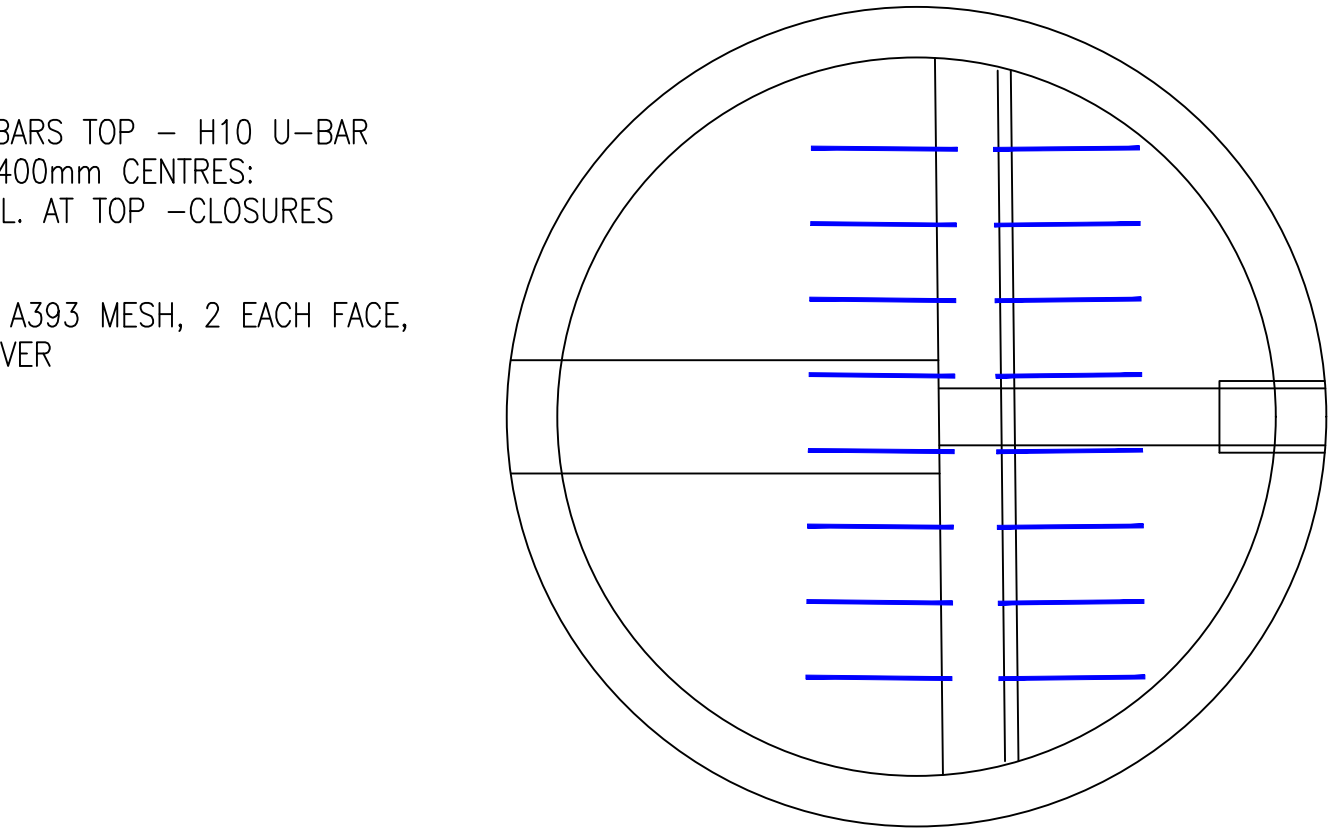
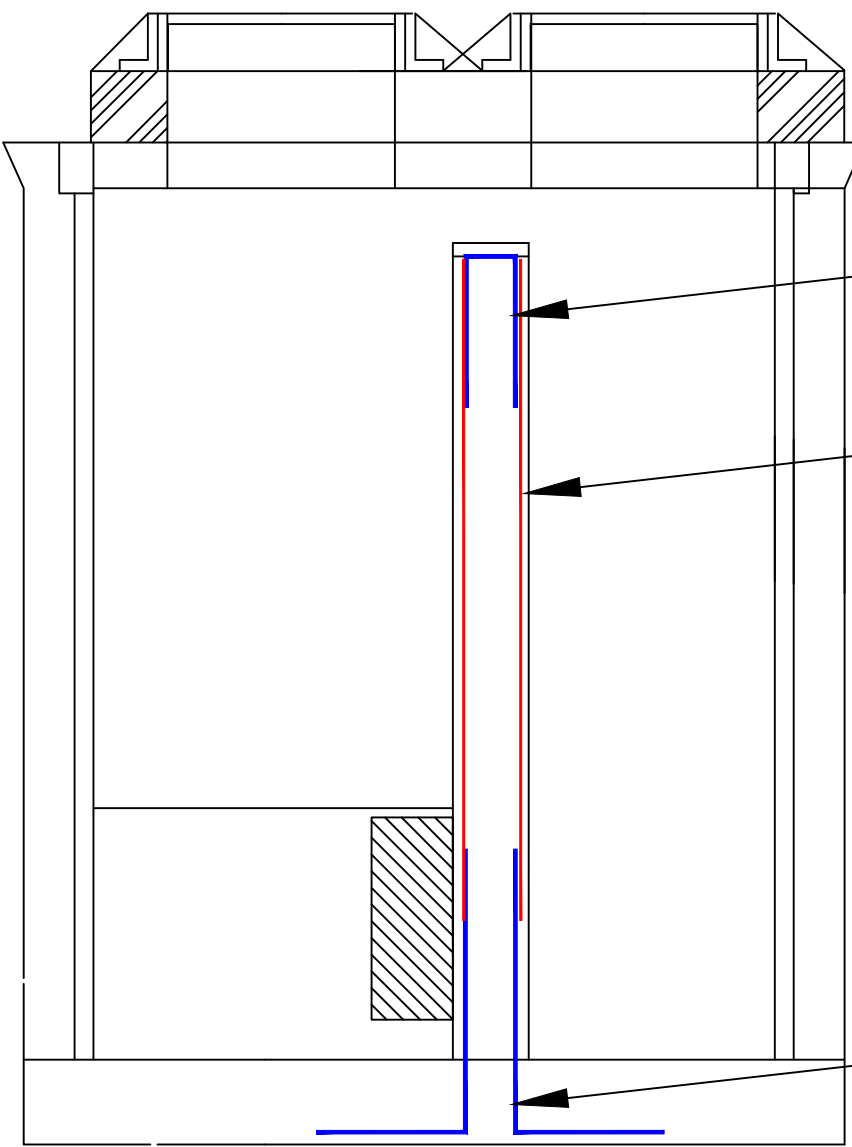




REINFORCING TO WEIR WALL:

WALL TO BE RC35 CONCRETE

2 LAYERS A393 MESH, 2 EACH FACE, 35mm COVER



- NOTES ON MANHOLES
- All dimensions in millimetres unless otherwise stated.
 - Workmanship shall comply with BS 8000 : 1989.
 - All works shall comply with the requirements of W.A.A. Guide - "Sewers for Adoption - 7th Edition"
 - All in situ concrete shall comply with BS 5328 : 1991, to meet Class 1 soil conditions.
 - Insitu structural concrete including surrounds to manholes and pipes shall be Grade C30 to meet Class 1 soil conditions.
 - Precast concrete manhole units shall comply with BS 5911 : 1989 with Sulphate Resisting Cement to meet Class 1 soil conditions.
 - All manhole covers shall be ductile iron to BS EN124 with BS kite mark , with 675mm square clear opening.
 - For manholes 1.35m deep or more, where practicable manhole covers and frames shall be positioned such that they lead to a safe area of benching and not directly over the open channel invert.
 - For manholes less than 1.35m deep, manhole covers and frames shall be positioned over the open channel invert to facilitate rodding.
 - Engineering Bricks - In addition to the requirements of specification, Class B engineering bricks shall not contain frogs or holes and bond should be English.
 - Hooks for safety chains shall be provided on outlet pipes greater then 600mm dia and in accordance with Sewers for Adoption - Design Guide - 7th Edition. Steel grade to be 361L
 - Where manhole covers and frames are to be sited in road categories 1, 2 or 3, (NRSWA), they are to be bedded in a polyester resin bedding mortar.
 - Pipe fittings are for guidance only and may be amended by the site engineer.
 - Manhole co-ordinations refer to centre of manhole, not necessarily centre of pipework They do not override the sewers for adoption requirement that a manhole must be at least 0.5m from the kerb.
 - All bends to be located within manhole and to be constructed with pre-formed invert bends.

NOTES:

MANHOLE COVERS BE TO SEWERS FOR ADOPTION SECTION B3,2 CLAUSE 18, AND E2.23

PIPEWORK TO BE TO E.22 FOR UPVC, AND E2.18 IF VITRIFIED CLAY USED

PENDING WELSH WATER APPROVAL

PRELIMINARY

A	STORAGE MANHOLE REVISED	3:6:19	AK	AK
Rev	Description	Date	Drwn	Chkd

KANE DESIGN

Civil Engineering Design

15 Winchester Way
Gresford
Wrexham
LL12 8HH

Tel: 01 978 855888

Client

NIGEL COPELAND

Project

PROPOSED DEVELOPMENT at BEDWELL ROAD

CROSS LANES, WREXHAM LL13 0TR

Title

MANHOLE DETAILS

DRAWING NUMBER	SCALE		AS NOTED @ A1	
	DATE	18:02.19	REVISION	
	DRAWN	AK		
	CHECKED	A.K		

1437/04