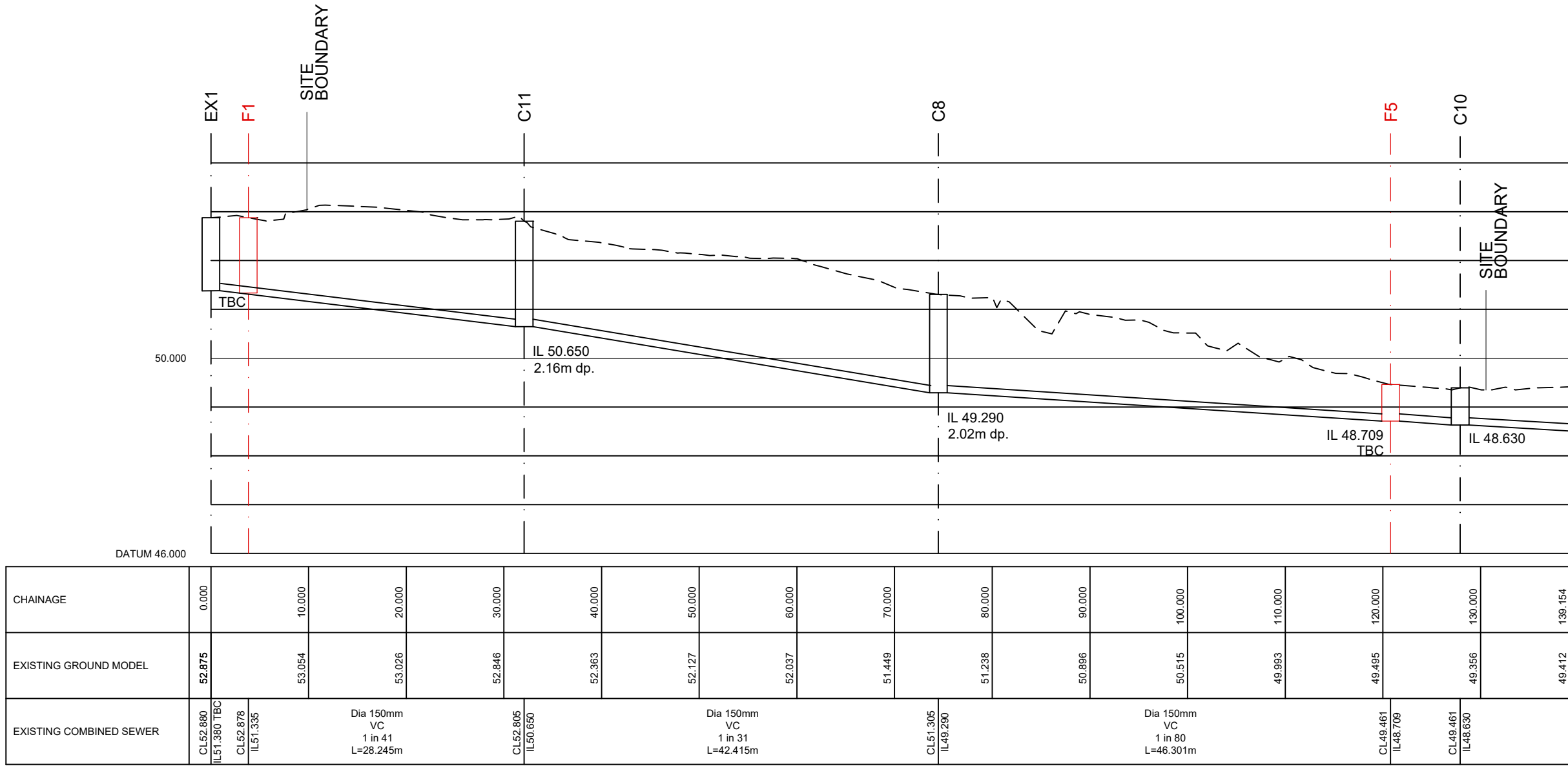
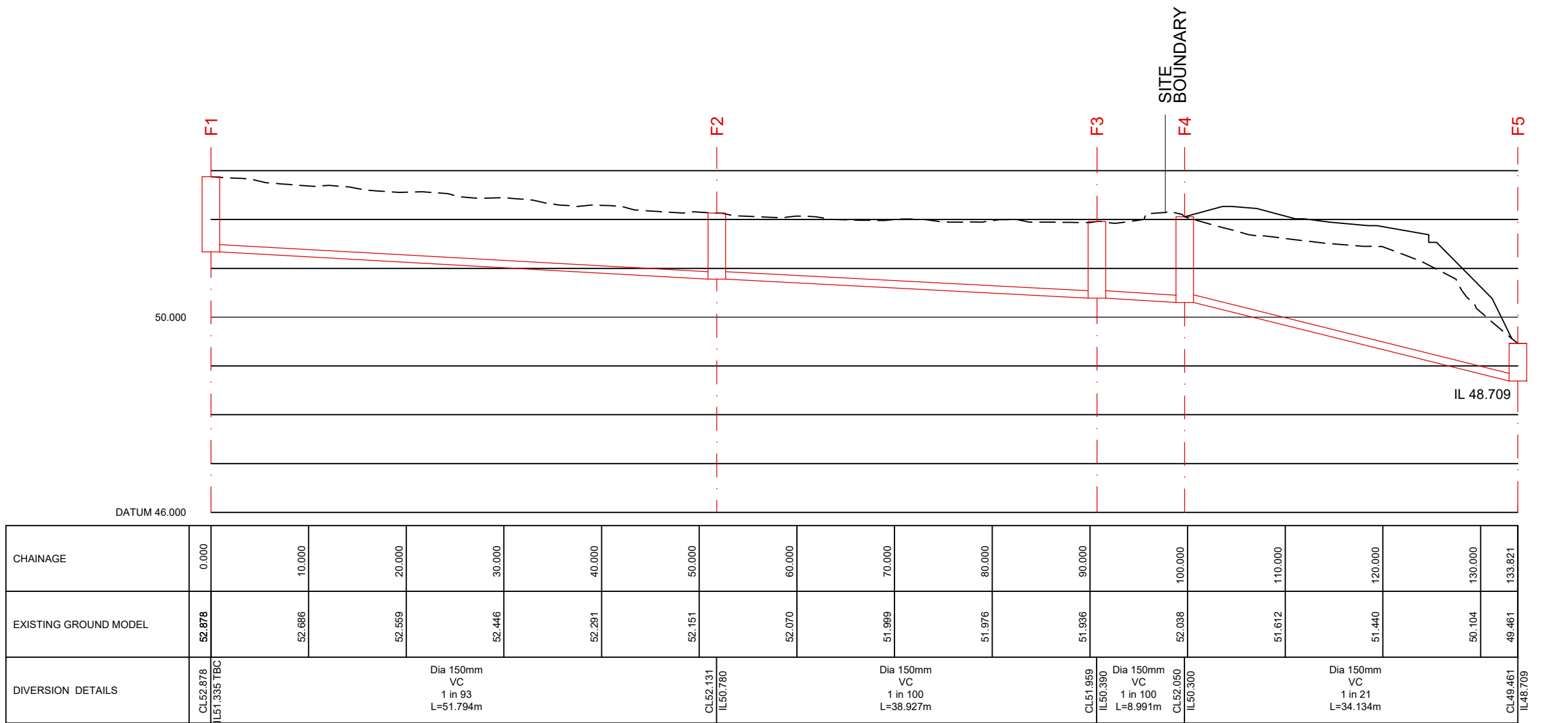




EXISTING COMBINED SEWER CROSSING THE SITE
SECTIONS SCALE 1:500 Horizontal & 1:100 Vertical



PROPOSED COMBINED SEWER DIVERSION
SECTIONS SCALE 1:500 Horizontal & 1:100 Vertical

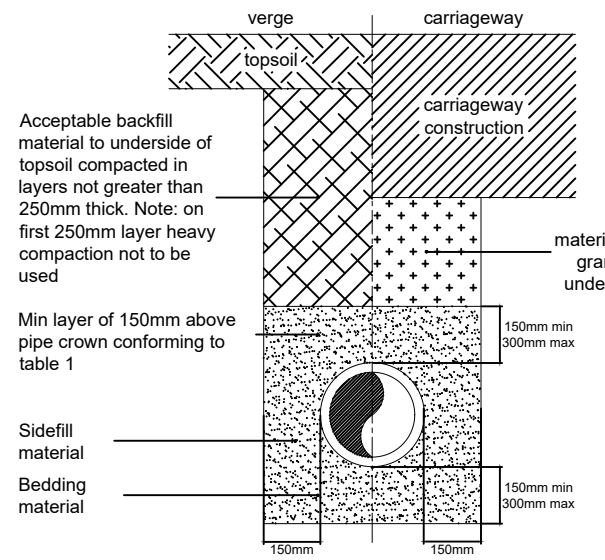
PROPOSED SEWER DIVERSION MH SCHEDULE

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams		Manhole	Cover
F1 ON LINE OF EXISTING COMBINED SEWER TBC	52.878 1.393	0		51.335	150	1240 x 675	TYPE C	D400
F2	52.131 1.201	1		50.780	150	1240 x 675	TYPE C	D400
F3	51.959 1.419	1		50.390	150	1240 x 675	TYPE C	D400
F4	52.050 1.600	1		50.300	150	1240 x 675	TYPE C	D400
F5 ON LINE OF EXISTING COMBINED SEWER TBC	49.481 0.602	1		48.709	150	900 x 675	TYPE D	D400

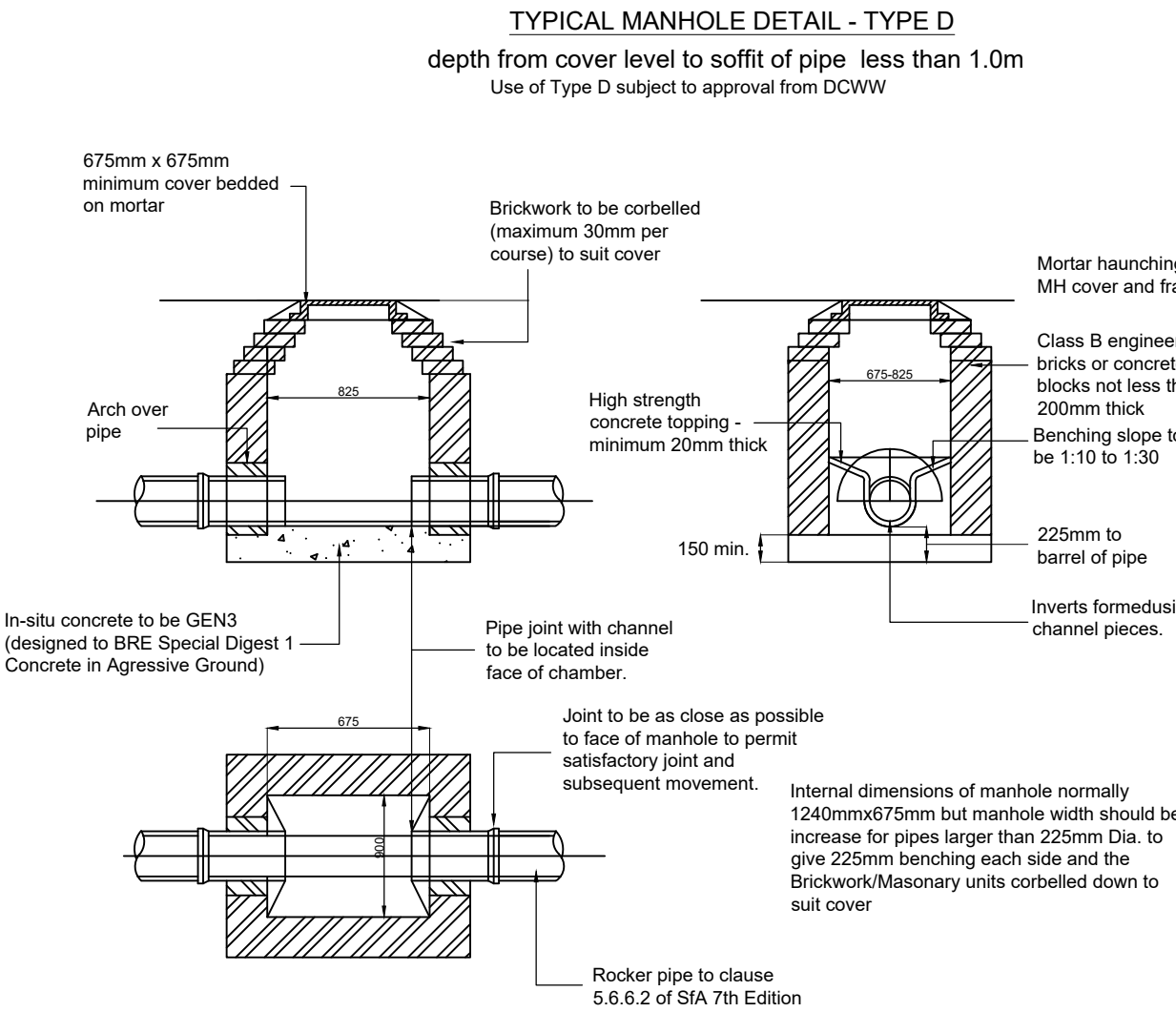
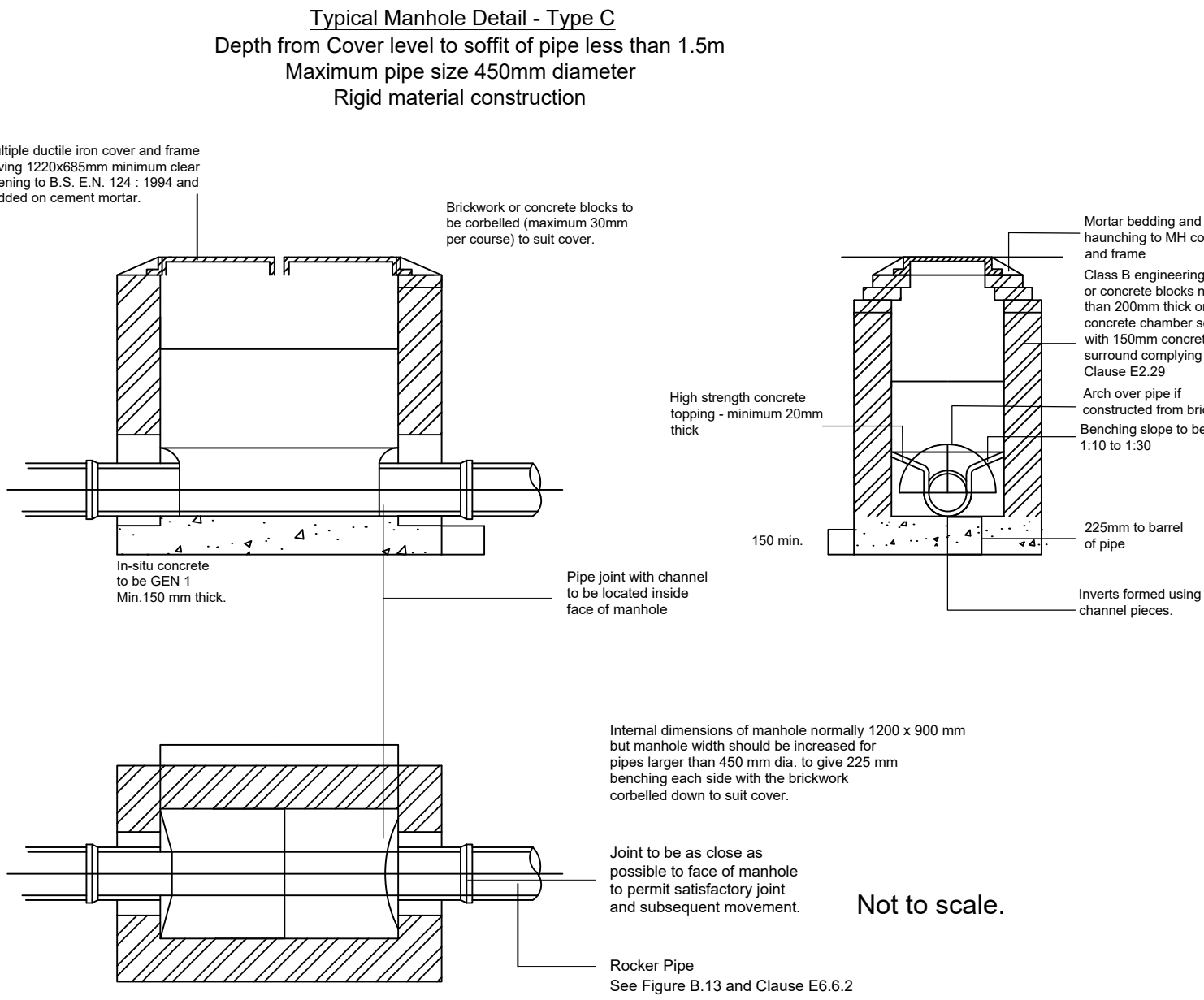
GENERAL NOTES

- Drainage design and construction to be in accordance with Sewers for Adoption 7th edition and the requirements of the Statutory Undertaker.
- All sewerage to be abandoned is to be grubbed up and completely removed from the ground.
- Any connected lateral is to be of the same material as the main sewer when a preformed junction is used.
- Pipe to be Wavin Osmad Pipe BN BSEN13476 110 SN8 (Catalog code Wavin 4D073 : EAN Number 5011479107775).
- Type S bedding to pipework between D1 and D2 with 150mm Type Z concrete surround between D2 and D3.
- Chambers to have 150mm concrete surround.
- Existing manhole SS74969109 to be reconstructed as D1 to form change of direction at start of diversion.
- Existing 100mm connection downstream of SS74969109 to be identified on site and redirected to connect into combined sewer diversion pipe.
- Chamber D3 to be constructed on existing pipe at the point of connection from the 100mm pipe serving the existing dwellings to the south of the sewer downstream of SS74969110.

TYPE S Granular bedding and sidefill materials for pipes Bedding Factor 2.2				
BS 410	40	20	14	10
Test Sieve	40	20	14	10
63mm	100	100	100	100
37.5mm	85 - 100	85 - 100	85 - 100	85 - 100
20mm	0 - 25	0 - 25	0 - 25	0 - 25
14mm	-	-	-	-
10mm	0 - 5	0 - 25	0 - 50	0 - 25
5mm	-	0 - 5	0 - 10	0 - 5
2.35mm	-	-	-	0 - 5
Nominal Bore of pipe (mm)	Exceeding 1350 Ø	600 Ø to 1350 Ø	300 to 525 Ø	Less than 300 Ø



GRANULAR SURROUND BED TYPE S
To be used where cover to pipe soffit is greater than 1200mm in vehicular areas and greater than 900mm in non-trafficked areas (i.e. footpaths, verges, etc.)



GENERAL NOTES :-

The Contractor is to check and verify all building and site dimensions, levels and sewer invert levels at connection points before work starts. Any discrepancy is to be reported to Spring Design before work commences.

The Contractor is to comply in all respects with current building legislation - Building Standard Specifications, Building Regulations etc., whether or not specifically stated on this drawing.

The drawing must be read with and checked against any structural, geotechnical or other specialist documentation provided.

Where existing trees are shown to be retained they should be subject to a full Arboricultural inspection for safety.

All trees are to be planted so as to ensure they are a minimum of 5 metres from buildings and 6 metres from drainage and services. A suitable method of foundation is to be provided to accommodate the proposed tree planting.

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The existing ground levels along the route of the proposed road are to be confirmed by the Contractor before works commence.

All construction methods and materials employed are to be in accordance with the current road and bridgeworks specification. All construction thicknesses are to be confirmed by C.B.R. test.

No responsibility will be taken for any construction work undertaken prior to receipt of technical approvals for the intended construction, or when work is not executed strictly in accordance with the drawings.

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rev date description

by

Status:

*FOR APPROVAL

Drawn: VCH

Checked: MCC

Date: Jan. 2024

Scale: 1:500 (A1)

Client: Tai Tarian

Project: Heol Crwys, Cwmavon

Title: Proposed Combined Sewer Diversion (2 of 2)

Ref: 2575/570-2

Rev: -

DETAILS SUBJECT TO
TECHNICAL APPROVAL

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design
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