
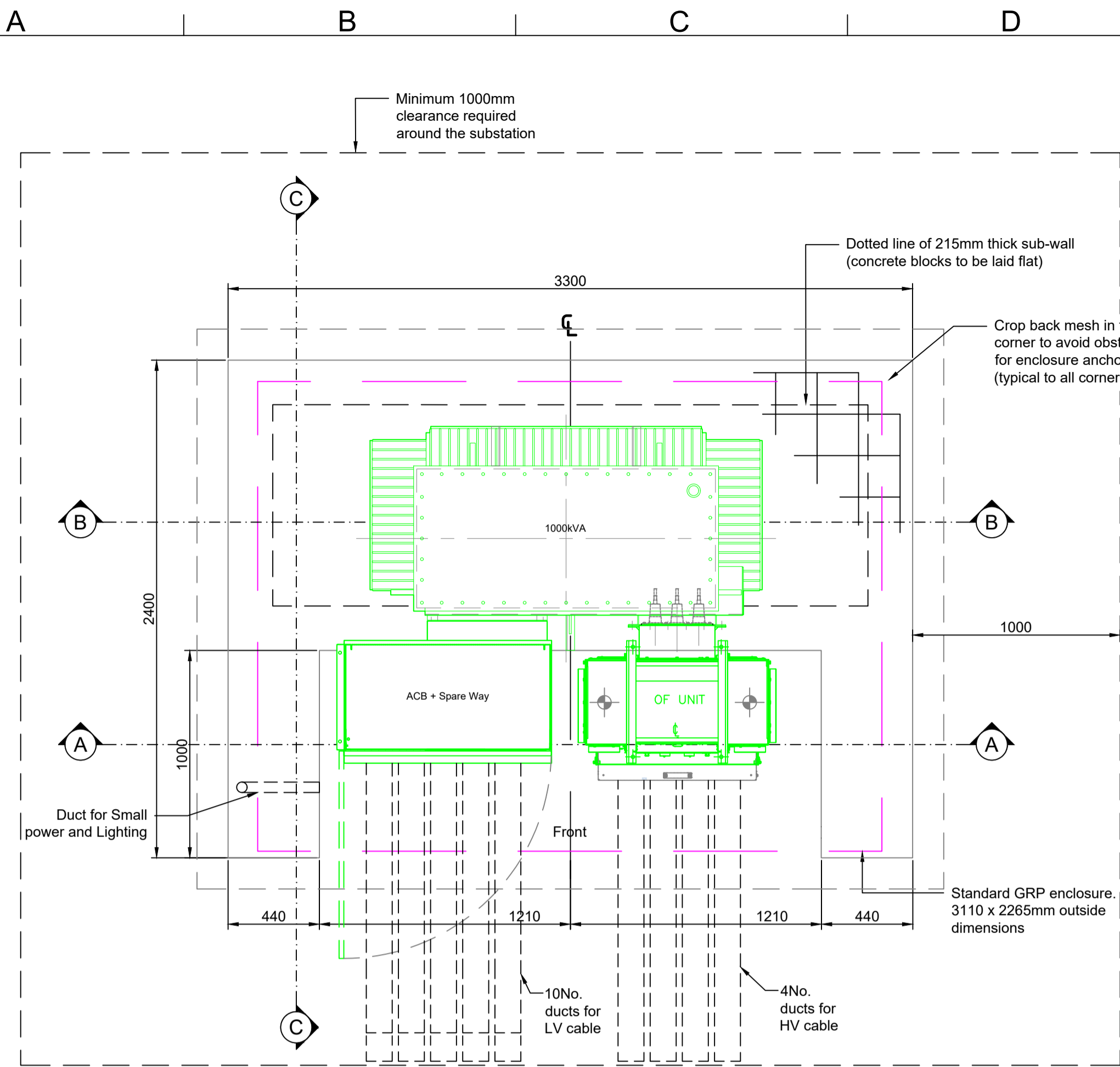
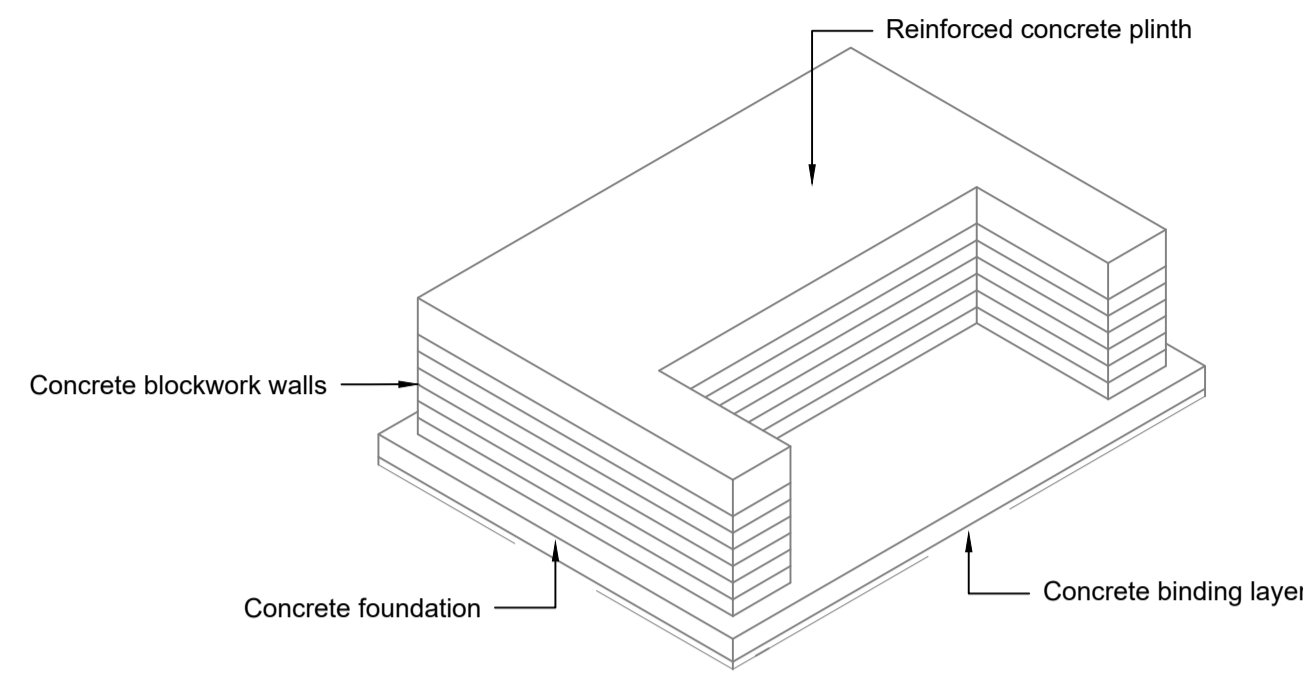


**Cross Section Showing Fixing Detail for Proposed Panel**  
Scale 1:1

0	Preliminary Issue	06/01/22	MS
REV	AMENDMENT	DATE	BY
 The Utility Connection Company River View House, Bonds Mill Estate, Bristol Road, Stonehouse, Gloucestershire, GL10 3RF 4th Floor, West World, West Gate, Ealing, London, W5 1DT Suite 36, Genesis Centre, Birchwood, Warrington, WA3 7BH ukpowersolutions.co.uk			
Client	St. Modwen Developments Limited		
Project	Locking Parklands - Secondary School (PAR01389)		
Title	Construction Details - Substation		
Design & Planning Engineer	Mohammed Sanusi	Contact No.	08452 577 105
Project Manager	TBC	Contact No.	TBC
Drawn By	MS	Checked By	NM
Scale	As Shown	Sheet No.	1/2
Original Size	A1	Date	06/01/22
Drawing No.	PAR01389 - E020001 - DWG100	Rev	1
Client Ref.	-		
Drawing Status	Approved for Construction		



Plan of Transformer Plinth  
Scale 1:20



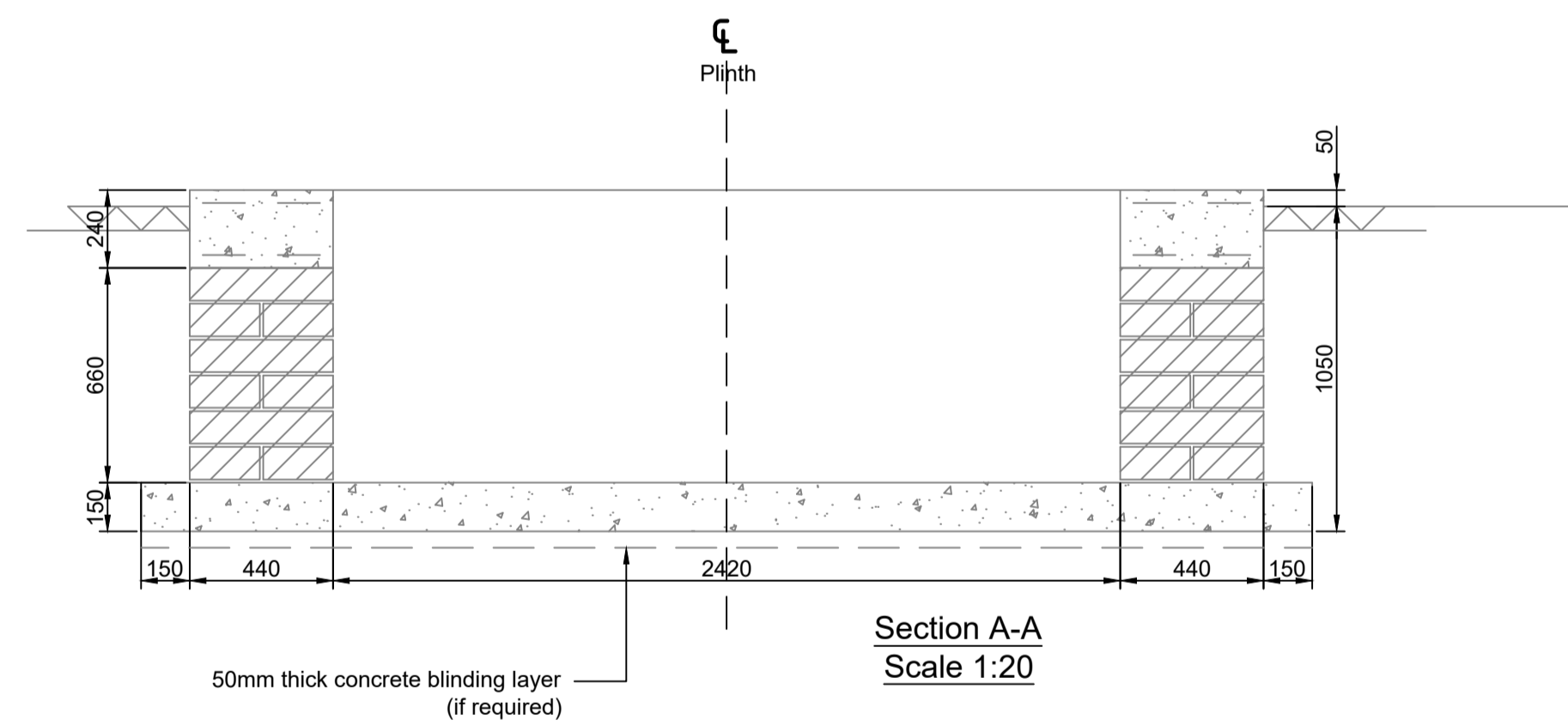
Isometric view of Transformer Plinth  
NTS

**Specifications**

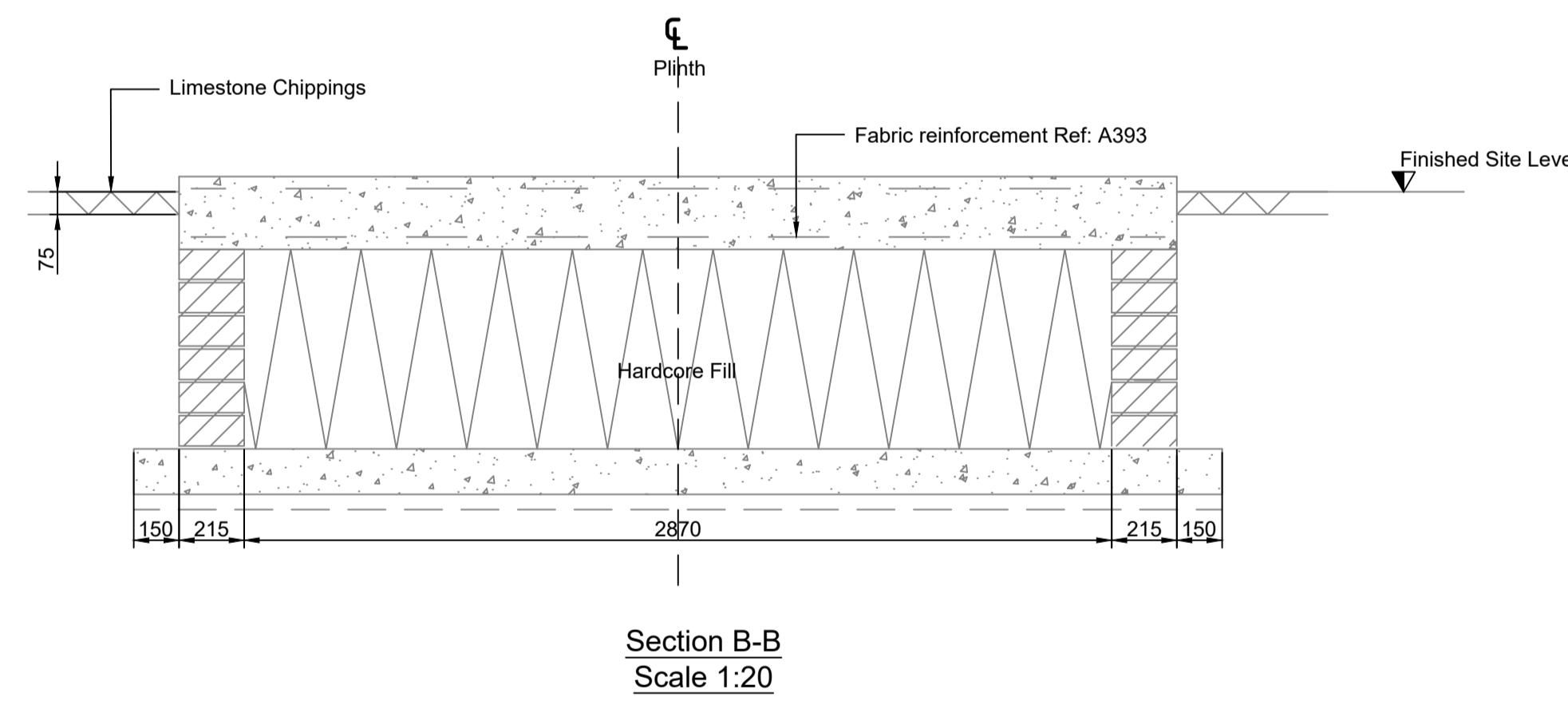
- Site Clearance:** Before commencing excavations, clear site of all rubbish, debris, shrubs, general vegetation, topsoil etc and remove from same.
- Excavation:** Excavate to reduced levels (or to firm foundation as directed by the engineer) and remove spoil from site. Level and compact bottom of excavation to receive concrete blinding layer/concrete foundation.
- Blockwork:** Solid concrete blocks to comply with BS 6073. Work size dimensions to be 440(L) x 215(H) x 100(W)mm. Concrete blocks to have a minimum compressive strength of 7.0 N/Sq.mm
- Concrete:** Blinding concrete to be grade C15 with a minimum crushing strength of 15N/Sq.mm at 28 days. Plinth/foundation concrete to be grade C35 with a minimum crushing strength of 35N/Sq.mm at 28 days. Top surface of plinth to be level with smooth steel float finish.
- Reinforcement:** Concrete plinth to be reinforced with 2No. layers of steel fabric reinforcement Ref. A393 (placed top of bottom). Steel fabric reinforcement to comply with BS4483. Steel bar reinforcement to comply with BS4449. Reinforcement to be free from all loose rust and mill scale. Minimum cover to all reinforcement to be 40mm.
- Backfilling:** Void in front of plinth to be backfilled with selected with hardcore after protecting cables with minimum 150mm stone dust.
- On Completion:** Where applicable, area between front of plinth and site boundary to be paved with 600 x 600 x 50mm thick concrete paving slabs. All remaining exposed ground surfaces within the site boundary to be dressed with a 75mm thick layer of clean limestone chippings.

**General Notes:**

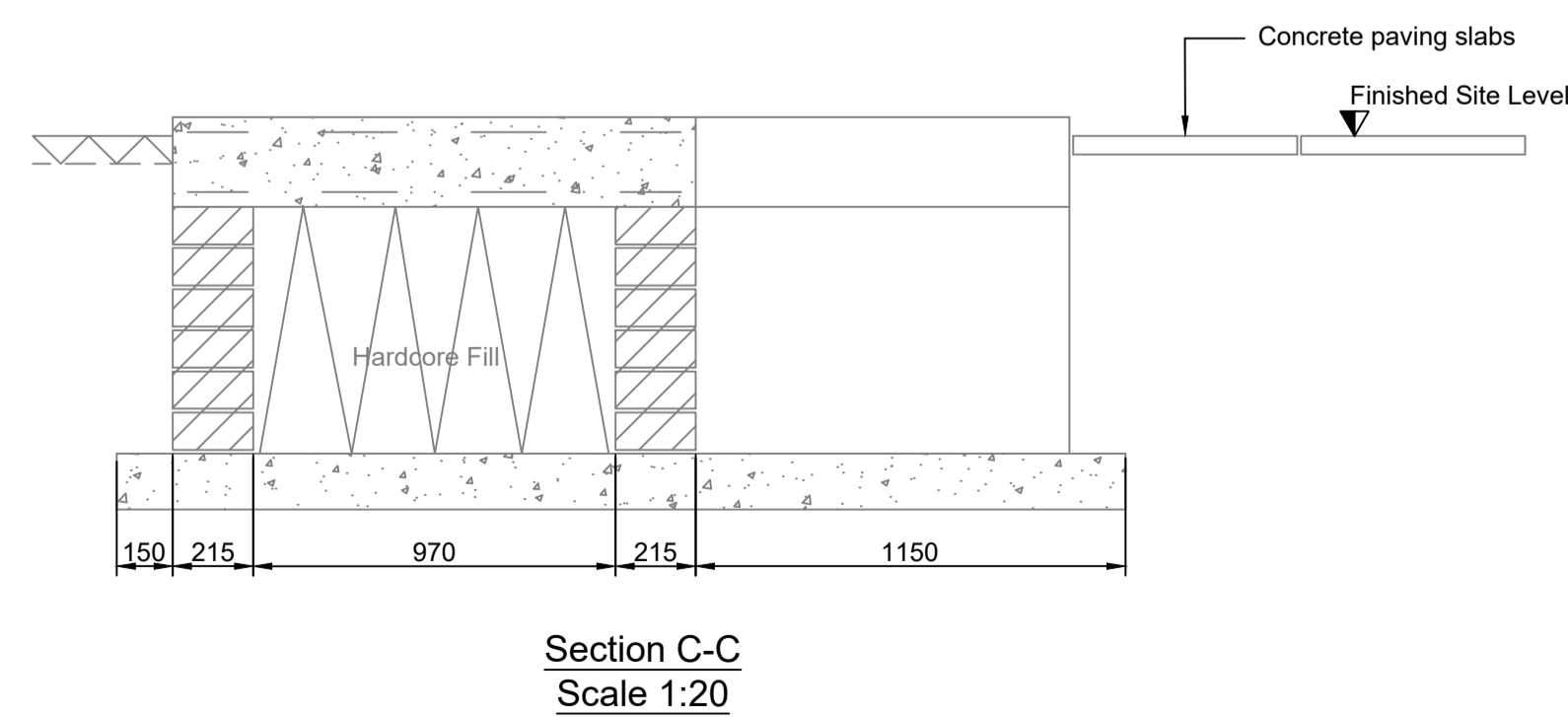
All dimensions in millimeters unless otherwise stated.  
Vibration pads must be used on all transformers.  
The contractor's attention is drawn to the need for strict accuracy in setting out the foundation.  
All lines and angles to be formed square, plumb and true.



Section A-A  
Scale 1:20



Section B-B  
Scale 1:20



Section C-C  
Scale 1:20

1	Approved for Construction	07/03/2022	MS
0	Preliminary Issue	06/01/22	MS
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Project Manager	TBC	Contact No.	TBC
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Original Size	A1		
Drawn By	PAR01389 - E020001 - DWG100		Rev
Client Ref.			1
Drawing Status	Approved for Construction		