

0	1	2	3	5
7				

**GENERAL NOTE:**

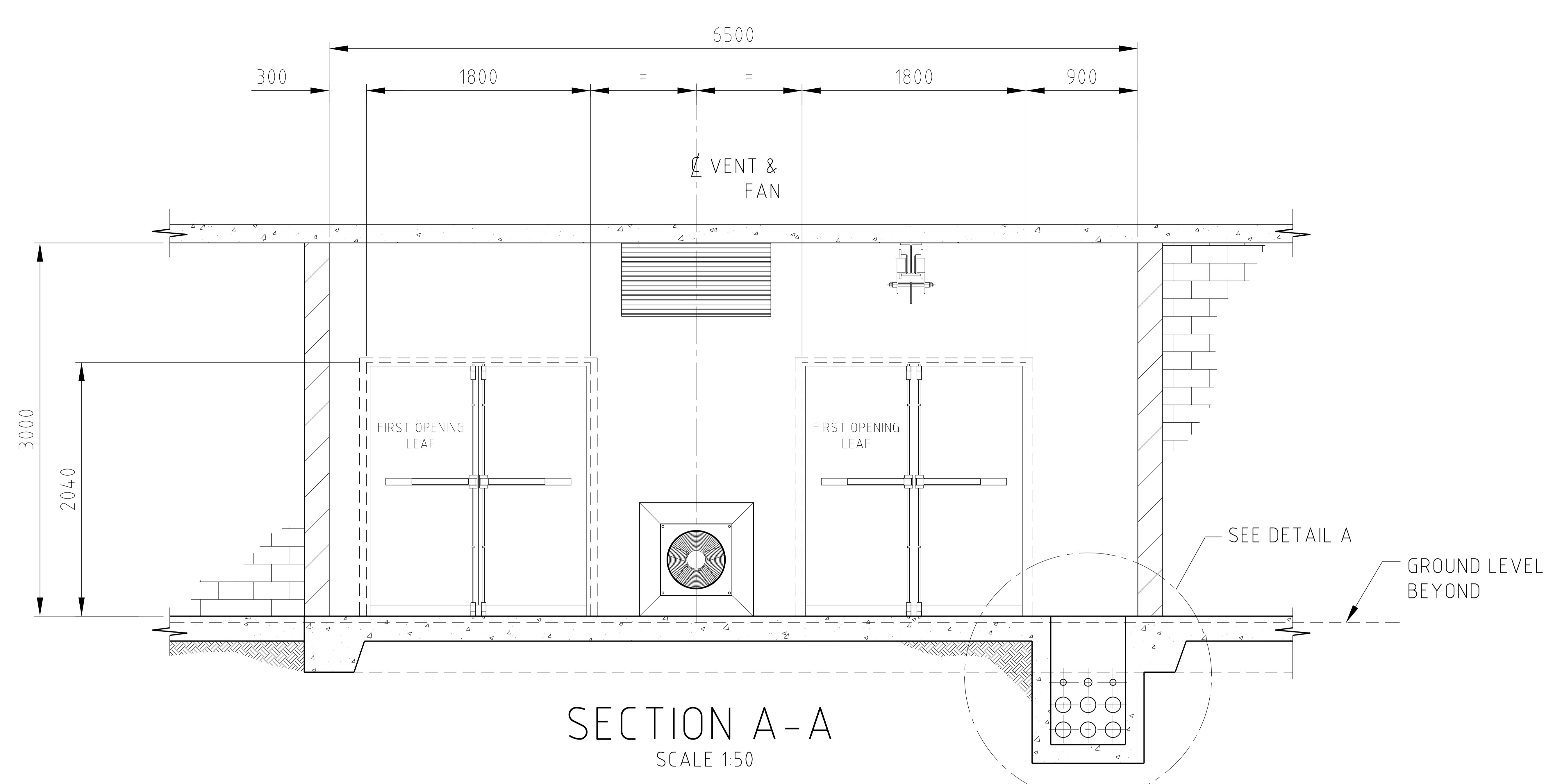
THE SUBSTATION ENCLOSURE MUST COMPLY WITH THE CRITERIA SPECIFIED IN THE ELECTRICITY SAFETY (NETWORK ASSETS) REGULATIONS 1999. SUBSTATION ENCLOSURE IS TO BE 2 HR FIRE RATED (FRL 120/120/120) AND MUST COMPLY TO ALL BUILDING CODES, FIRE REGULATIONS AND CITIPOWER STANDARD V1040 PART 2-CONSTRUCTION DETAILS.

FLOOR: TO BE REINFORCED CONCRETE, DESIGNED TO SUPPORT ALL PERMANENT AND IMPOSED LOADS IN ACCORDANCE WITH THE CITIPOWER SUBSTATION DESIGN MANUAL AND RELEVANT AUSTRALIAN STANDARDS, INCLUDING AS1170 AND AS3600. THE MAXIMUM SUBSTATION EQUIPMENT WEIGHT IS A TRANSFORMER WITH A MASS OF 3000kg. DO NOT PAINT OR SEAL.

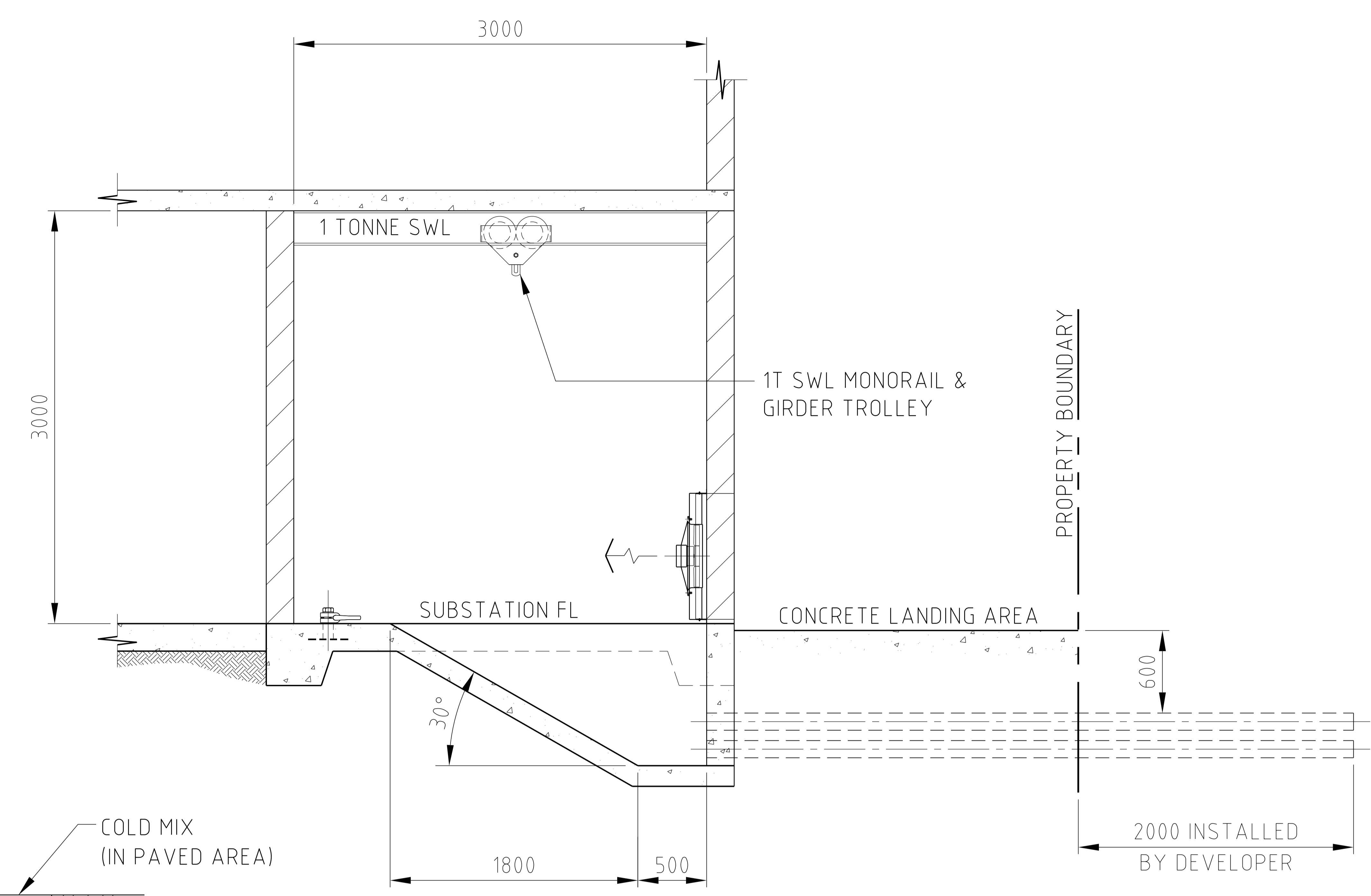
WALLS: TO BE CONSTRUCTED FROM CONCRETE OR BRICK.  
ROOF: TO BE CONCRETE CONSTRUCTION AND CAPABLE OF WITHSTANDING 200kg LOAD AT ANY POINT.

NOTE: E.M.F SHIELDING MAY NEED TO BE INSTALLED IF CITIPOWER EQUIPMENT IS IN ADJACENT PROXIMITY OF ELECTRONIC EQUIPMENT OR RESIDENCES. THE CUSTOMER THEN SHALL OBTAIN A REPORT FROM AN APPROVED E.M.F CONSULTANT TO DETERMINE THE EXTENT OF THE SHIELDING OR IF ANY IS REQUIRED. INSTALLATION OF E.M.F SHIELDING SHALL BE SUBJECT TO CITIPOWER'S ACCEPTANCE.

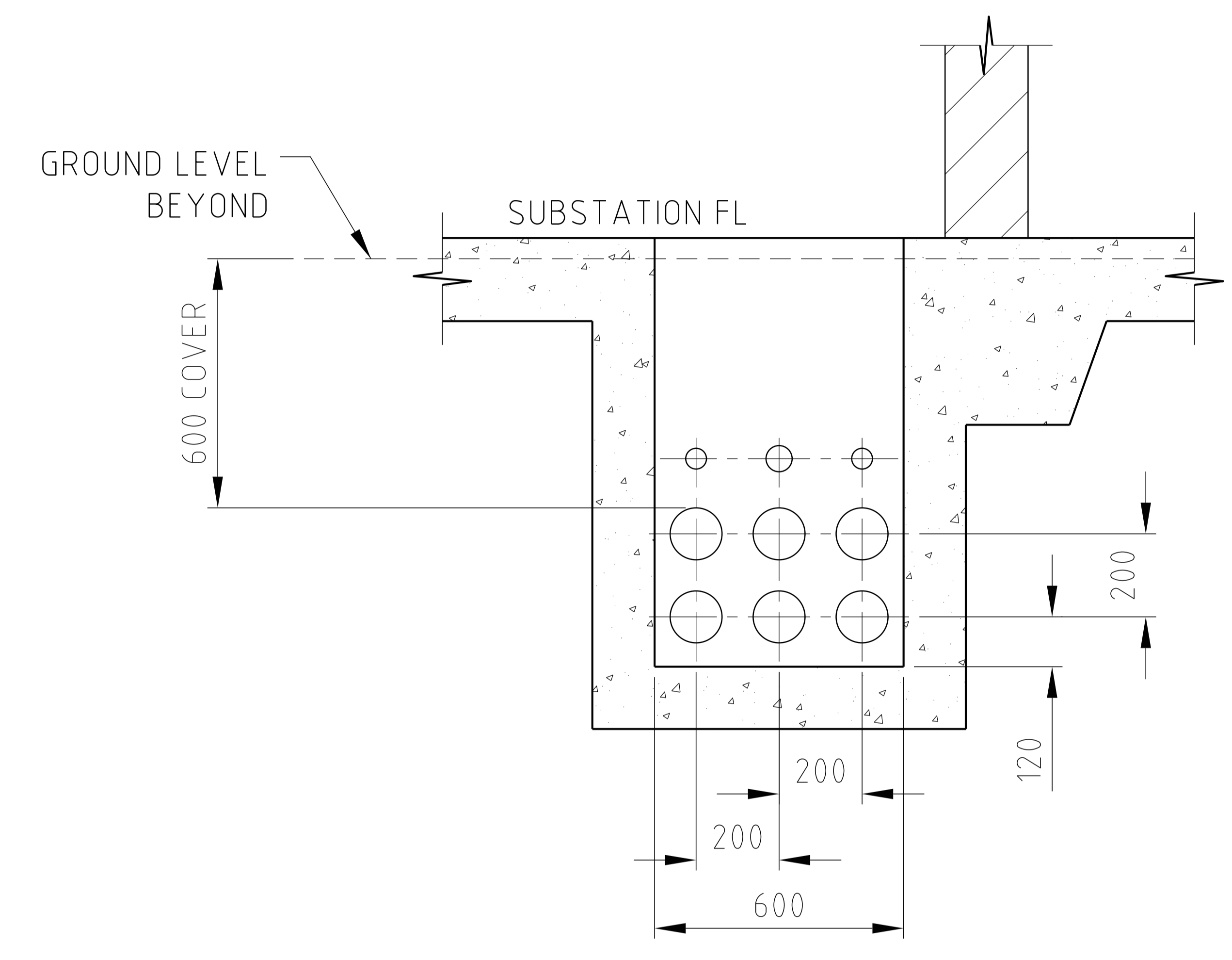
THIS DRAWING IS NOT FOR CONSTRUCTION. IT ONLY INDICATES THE SPATIAL REQUIREMENTS TO HOUSE CITIPOWERS EQUIPMENT. FURTHER REQUIREMENTS WILL BE SHOWN ON THE FINAL SUBSTATION DESIGN LAYOUT DRAWINGS.



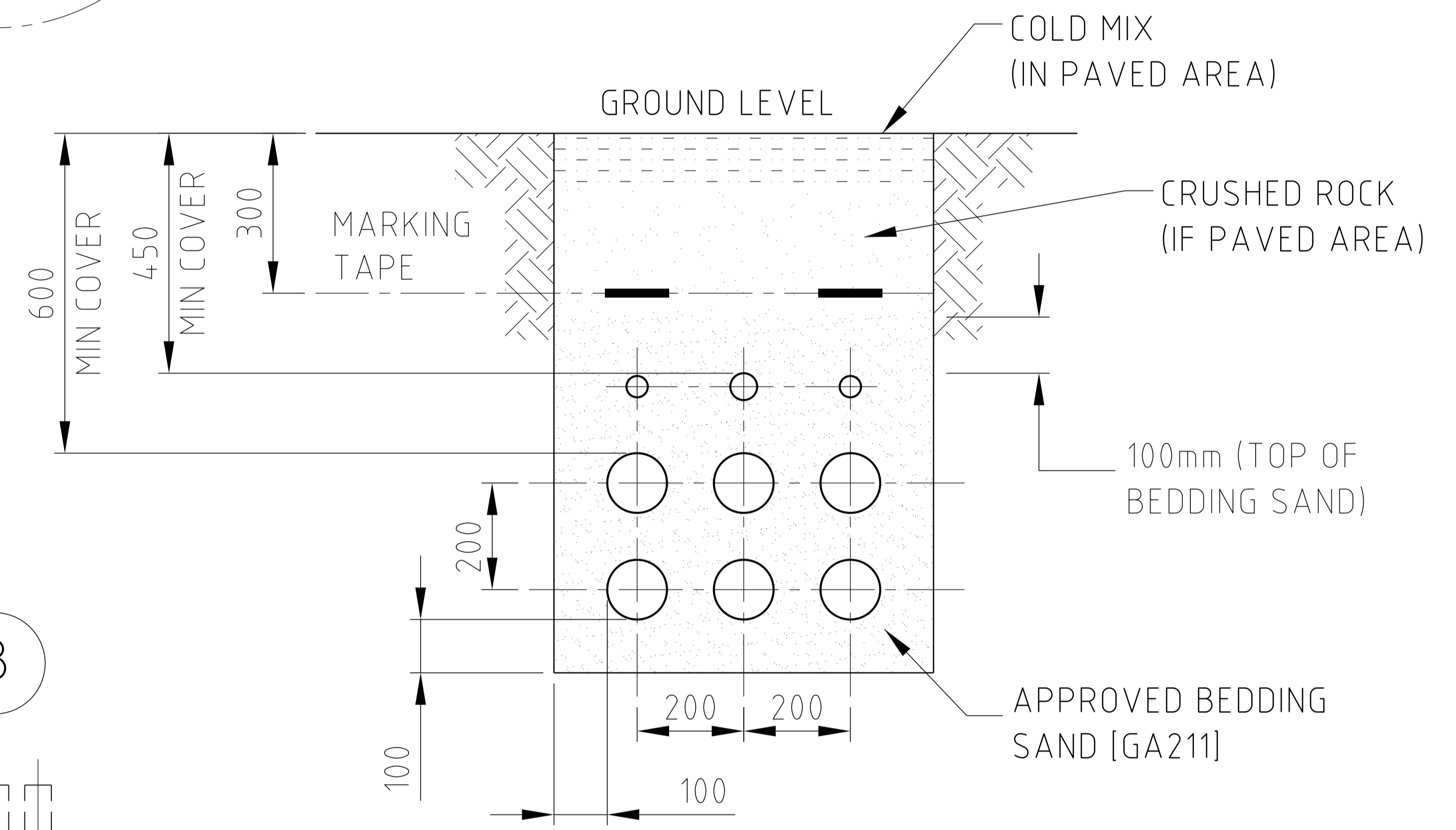
**SECTION A-A**  
SCALE 1:50



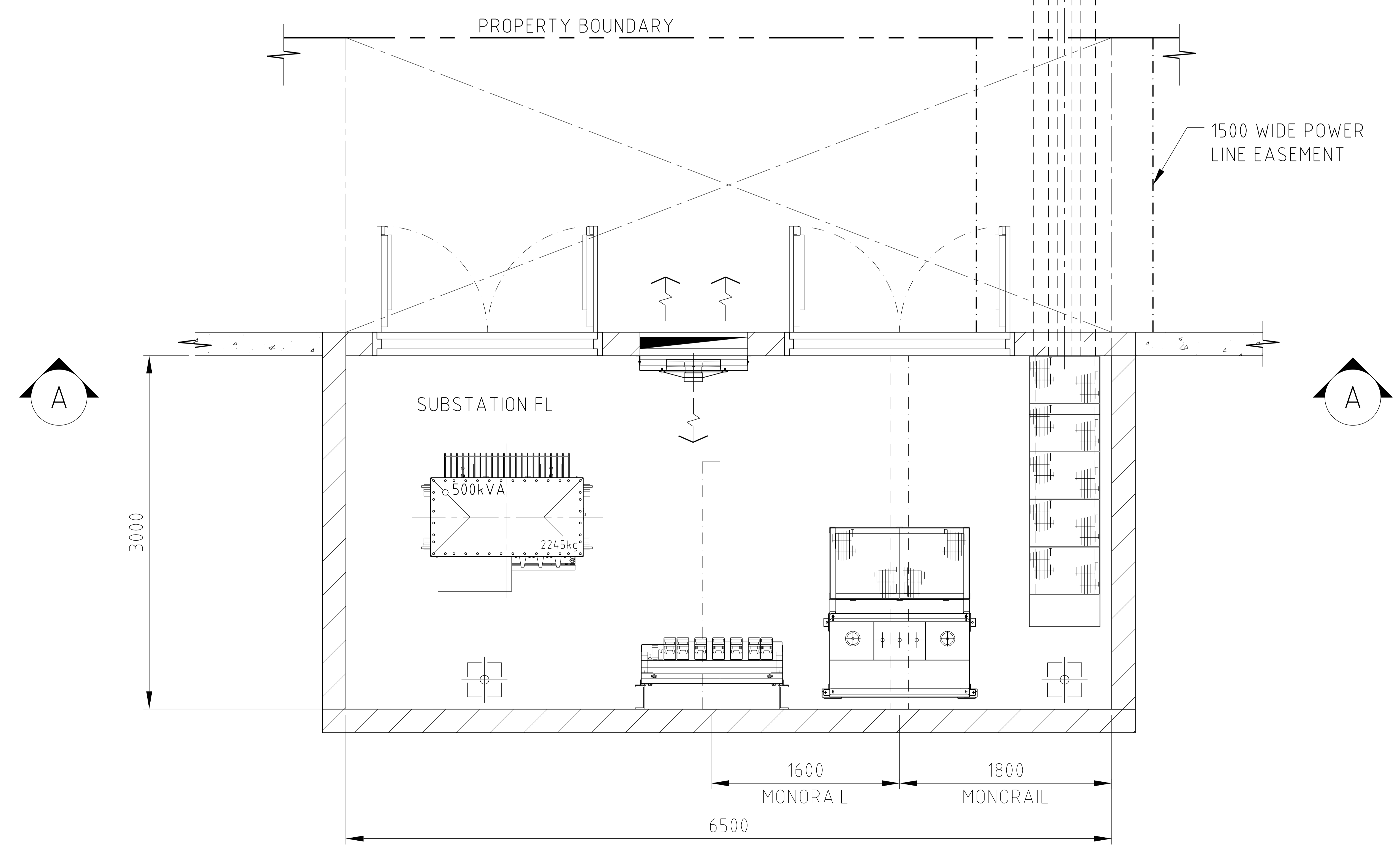
**SECTION B-B**  
SCALE 1:50



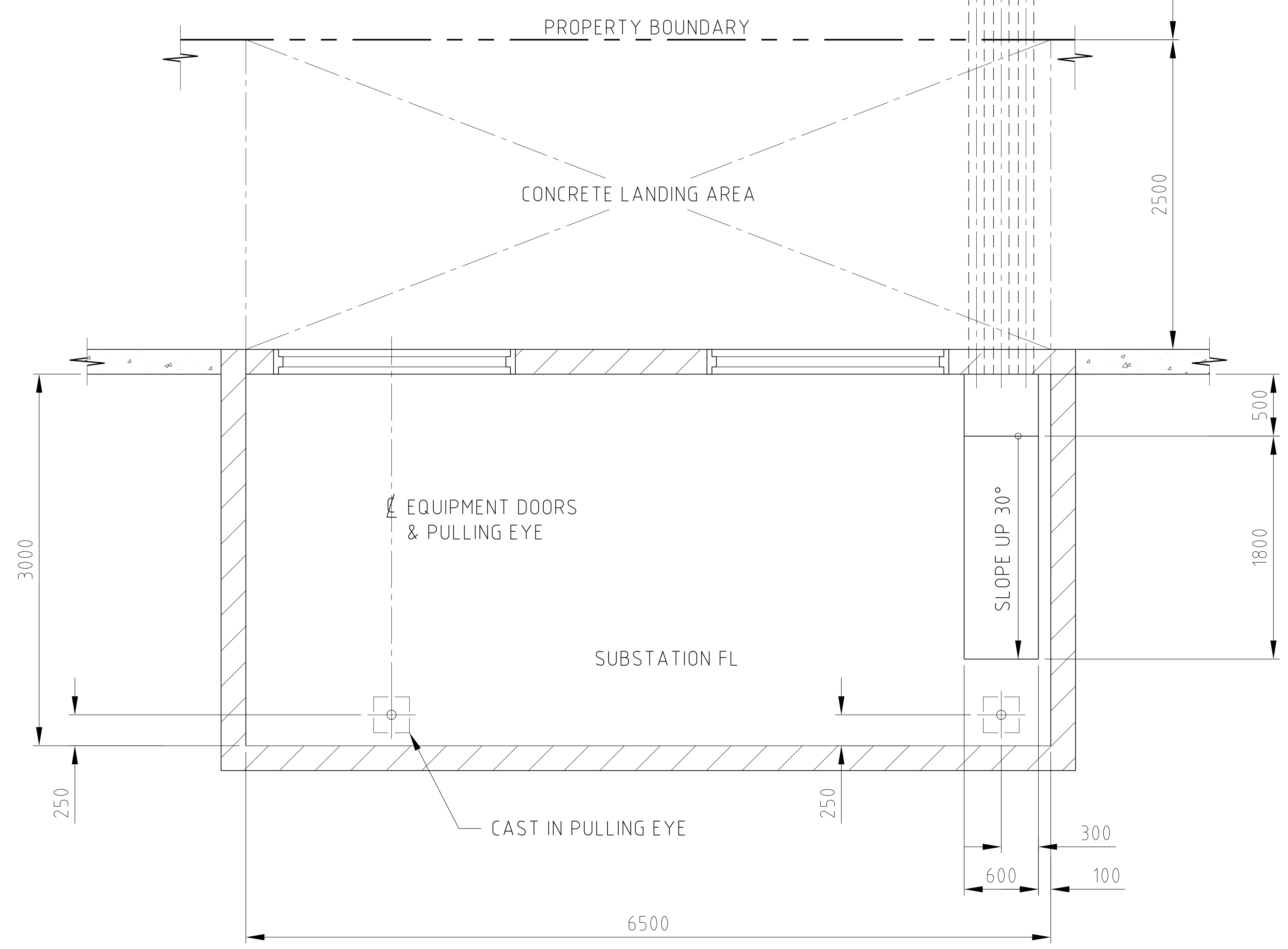
**DETAIL A**  
SCALE 1:25



**TYPICAL CONDUIT FORMATION WITHIN POWERLINE EASEMENT**  
6 x 125mmØ, 2 x 50mmØ AND 1 x 63mmØ ORANGE COLOURED ELECTRICAL H.D.P.V.C CONDUITS



**SUBSTATION LAYOUT**  
SUBSTATION ENCLOSURE DESIGNED TO ACCOMMODATE 1 x 500kVA TRANSFORMER



**SUBSTATION FLOOR PLAN**  
SCALE 1:50


**CITIPower**  
 POSTAL ADDRESS  
 Locked Bag 14 031  
 Melbourne Mail Centre 8001

CitiPower Pty  
 ACN 064 651 056  
 35 Rooney St  
 Burnley Vic 3121

Telephone (03) 9297 8900  
 Facsimile (03) 9297 6350

CURRENT REVISION	10 10 14 A	REVISED LV BOARD & NO. OF CONDUITS ADDED MONORAIL PERIHTT)
A B C D E	CP 10/145/1 A	
F G H J K	1 x 500kVA STANDARD ARRANGEMENT INDOOR DISTRIBUTION SUBSTATION GENERAL LAYOUT-GROUND LEVEL 6500(L) x 3000(W) x 3000(H) (NOT FOR CONSTRUCTION)	
DRAWN	J.GHERSI	5 8 12
CHECKED	J.GHERSI	
APPROVED	G.KUSTRA	
		SCALE 1:50