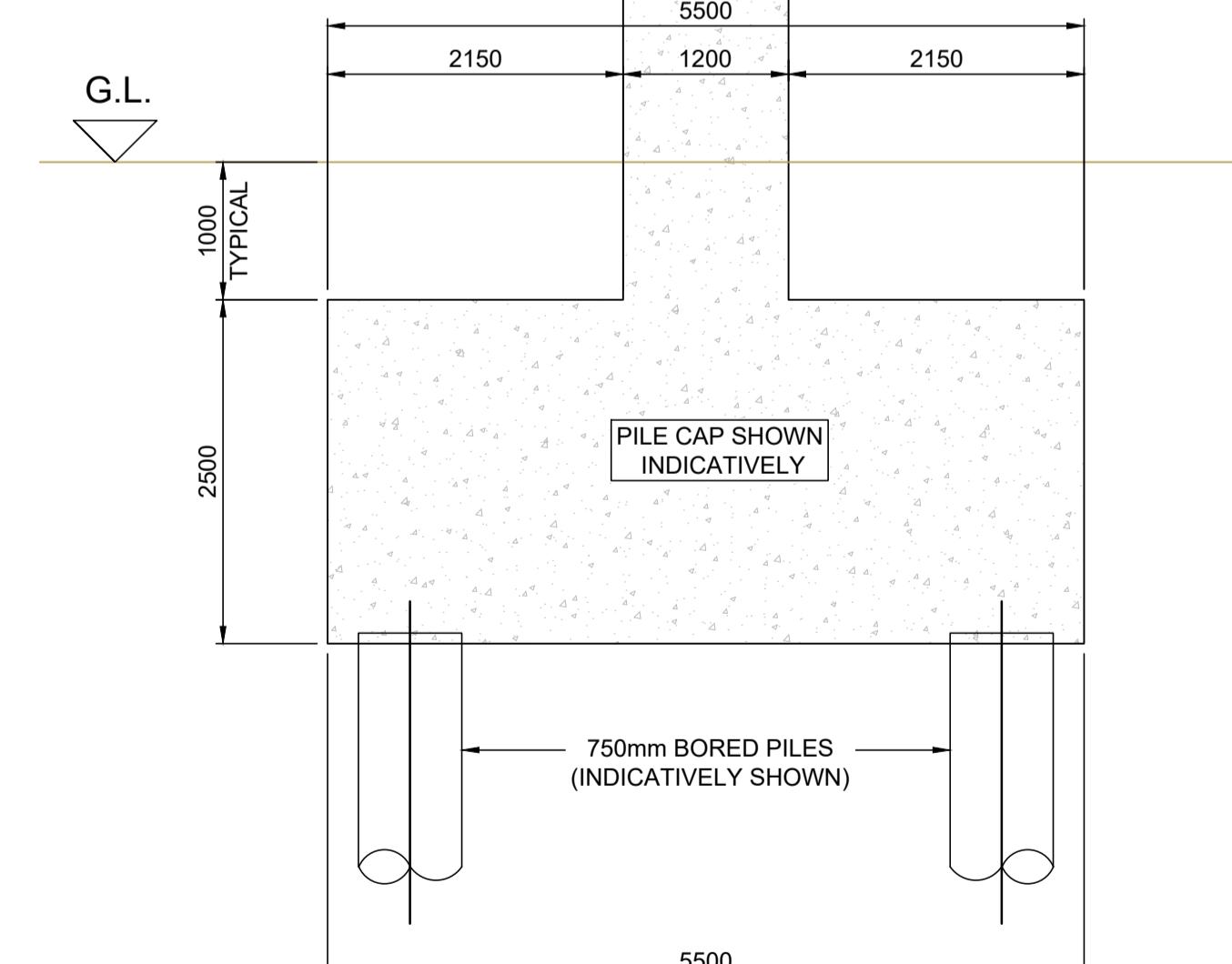


NOTE!!
ALL DIMENSIONS ARE
PRELIMINARY FOR
ESTIMATION PURPOSES ONLY
AND SUBJECT TO CHANGE
DURING DETAILED DESIGN.



SECTION THROUGH ABUTMENT
SHOWING PILES AND PILE CAP
SCALE 1:50

NOTES			
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.			
2. MATERIALS:	- GRADE ST3		
• CONCRETE FOR BLINDING	- GRADE C45/55		
• CONCRETE SUPERSTRUCTURE	- GRADE C40/50		
3. STRUCTURAL STEEL SHALL BE GRADE S355J2W+N OR S355K2W+N WEATHERING STEEL TO BS EN 10025-5: 2004.			
4. CONCRETE MIXES IN ACCORDANCE WITH APPENDIX 17/1 OF THE MCHW SPECIFICATION UNLESS NOTED OTHERWISE.			
5. ALL STEEL REINFORCEMENT SHALL BE HIGH YIELD TYPE B500B OR B500C RIBBED BARS TO BS4449:2005 COMPLYING WITH THE REQUIREMENT OF THE MCHW SPECIFICATION.			
6. ALL EXPOSED CONCRETE ARISES TO HAVE 25x25 CHAMFER.			
7. FINISHES:	- U1		
• BURIED UNFORMED SURFACES.	- U3		
• EXPOSED UNFORMED SURFACES (EXCLUDING AREAS TO RECEIVE WATERPROOFING).	- U4		
• BURIED OR HIDDEN FORMED SURFACES.	- F1		
• EXPOSED FORMED SURFACES.	- F4		
• PARAPET UPSTAND.	- U3/F3		
• AREA OF DECK TO BE WATERPROOFED.	- U4		
8. WATERPROOFING:			
ALL BURIED CONCRETE SURFACES SHALL BE TREATED WITH TWO COATS OF TAR MODIFIED EPOXY RESIN WATERPROOFING PAINT. NOT TO BE APPLIED TO AREAS WHICH ARE TREATED WITH SPRAY APPLIED WATERPROOFING.			
BRIDGE DECK WATERPROOFING SHALL BE TWO COAT SPRAY-APPLIED SYSTEM IN ACCORDANCE WITH THE MCHW SPECIFICATION & BD47 OF THE DMRB.			
9. ALL CONSTRUCTION JOINT SURFACES SHALL BE PREPARED IN ACCORDANCE WITH MCHW SPECIFICATIONS FOR HIGHWAY WORKS.			
10. ALL EXPOSED CONCRETE SHALL BE IMPREGNATED WITH HYDROPHOBIC LINER IN ACCORDANCE WITH THE MCHW SPECIFICATION.			
11. ALL CONSTRUCTION JOINTS TO BE WIRE BRUSHED THOROUGHLY BEFORE CONCRETING.			

DO NOT SCALE FROM DRAWING

P01	FIRST ISSUE	SDP	JRR	TKS	27.05.25
Rev	Amendment Details	Dr'n	Chk'	App'	Date
RPS ARTELIA	1 Newhall Street 4th Floor Birmingham B3 3NH	T +44 (0) 121 622 8520 W www.rpsgroup.com			
Client					
Project	M4 CROSSING				
Title	PRELIMINARY CONCEPT DESIGN FOR ESTIMATION ONLY				
Project Number		Sheet Size	A1	Drawing Scale	AS SHOWN
Drawing Number					
SKETCH-M4CROSSING-001					
Drawn By	SDP	Status	S3	Revision	P01
Checked By	JRR	Approved By	TKS	Date	27/05/25