

GEOTECHNICAL PARAMETERS TO BE VERIFIED PRIOR TO UNDERTAKING WORKS:

- ALLUVIUM
- DENSITY, 17 kN/m³
 EFFECTIVE ANGLE OF FRICTION, 22.7°
- COHESION, 30 kN/m²
- COEFF OF VOLUME CHANGE, 0.4 m²/MN
 YOUNG'S MODULUS, 8000 MPa
- POISSON'S RATIO, 0.5 SAT, 0.25 UNSAT

BRACKLESHAM GROUP DENSITY, 18.5 kN/m³

- EFFECTIVE ANGLE OF FRICTION, 27.3°
- YOUNG'S MODULUS, 80000 MPa
 POISSON'S RATIO, 0.3



SCALE 1:25

REINFORCED CONCRETE

- 1. CONCRETE MIXES IN ACCORDANCE WITH BS 8500-2 & BS EN 206-1:
- FOUNDATIONS :- C40/50
 BLINDING :- ST2
- 2. BLINDING TO BE MIN 50mm THICK BENEATH ALL AREAS OF CONCRETE.
- 3. REINFORCEMENT IS TO BE CUT AND BENT IN ACCORDANCE WITH BS 8666. REINFORCEMENT SCHEDULES TO BE CHECKED BY REINFORCED CONCRETE SUPPLIER PRIOR TO ORDER OF MATERIALS.
- 4. REINFORCEMENT IS TO BE TYPE H GRADE 500 IN ACCORDANCE WITH BS 4449.
- 5. COVER TO REINFORCEMENT TO BE :65mm NOM TO ALL FACES
- 6. CONCRETE TO BE CURED BY APPROVED METHOD FOR A MINIMUM OF 7 DAYS. FOR
- GUIDANCE REFER TO 'CONCRETE ADVICE DOCUMENT No. 20' BY 'THE CONCRETE SOCIETY '7. CARE IS TO BE TAKEN TO PROTECT CONCRETE FROM ADVERSE WEATHER. FOR GUIDANCE
- REFER TO 'CONCRETE ADVICE DOCUMENT No. 20' BY 'THE CONCRETE SOCIETY '.
- SAMPLING AND TESTING OF CONCRETE IS TO BE CARRIED OUT IN ACCORDANCE WITH BS EN 12350-1 & 2. FOR GUIDANCE REFER TO 'CONCRETE ADVICE DOCUMENT No. 30' BY 'THE CONCRETE SOCIETY.
- FIVE CUBES SHALL BE CAST FOR EACH MAIN ELEMENT
- 2 TO BE CRUSHED AT 7 DAYS2 TO BE CRUSHED AT 28 DAYS
- 1 SPARE
- 6. ALL KICKERS SHALL BE MINIMUM 150mm UNLESS NOTED OTHERWISE.
- 7. ALL BURIED CONCRETE FACES TO RECEIVE 2 No. COATS OF BITUMASTIC PAINT OR EQUIVALENT.
- 8. LIFTING FIXINGS TO BE SPECIFIED AND SUPPLIED BY REINFORCED CONCRETE MANUFACTURER.
- 9. REINFORCEMENT TO BE LOCALLY ADJUSTED TO SUIT STRUCTURAL HOLDING DOWN ARRANGEMENT.





SCALE 1:25

FOUNDATION RC PLAN														
MEMBER	bar Mark	TY Al SI	'PE ND ZE	NO. OF MBRS	NO. OF BARS IN EACH	TOTAL NO.	LENGTH OF EACH BAR (mm)	SHAPE CODE	A *	В*	C *	D *	E/R *	REV LETTER
									mm	mm	mm	mm	mm	
LOW LEVEL	01	В	20	2	15	30	6125	51	2230	670	290	290		
STAIR	02	В	20	2	15	30	6025	51	2230	625	290	290		
	03	В	16	2	4	8	9350	51	2270	2270	210	210		
							SPECIFIED IN MULTIPLES OF 25mm	SPECIFIED IN MULTIPLES OF 5mm						

	100mm ON ORIGINAL DRAWING					
DRAWING	<u>NOTES</u>					
1. THESE DRAWINGS TO BE READ IN CONJUNCTION WITH DRAWING 10755-001.						
SAFET	Y HEALTH & ENVIRONMENTAL					
RISK	SIGNIFICANT DESIGNER IDENTIFIED HAZARDS					
REF	HAZARD					
A	PROPOSED STRUCTURE DESIGNED IN ACCORDANCE WITH CURRENT STANDARDS AS FAR AS IS REASONABLY PRACTICABLE. APPROVAL AND RELEVANT DEROGATIONS TO BE SOUGHT AND APPROVED.					
В	WORKING ADJACENT TO RAILWAY, WORK AT HEIGHT AND LIFTING OPERATIONS. WORKS ON OR NEAR THE LINE TO BE UNDERTAKEN IN ACCORDANCE WITH NETWORK RAIL WORK PROCEDURES.					
С	DEMOLITION OF EXISTING STRUCTURE. CONTRACTOR TO DESIGN NECESSARY TEMPORARY WORKS AND DETERMINE SAFE DEMOLITION SEQUENCE & LIFTING PLAN FOR EXISTING STRUCTURE.					
D	CONDITION OF EXISTING TRESTLES. ADDITIONAL STRENGTHENING/RENEWAL OF SUBSTRUCTURES TO BE IMPLEMENTED PRIOR TO INSTALLATION OF NEW MAIN SPAN.					
E	CONDITION OF EXISTING FOUNDATIONS. RENEWAL OF FOUNDATIONS TO BE IMPLEMENTED PRIOR TO INSTALLATION OF NEW MAIN SPAN.					
F	EXISTING SERVICES. SERVICES TO BE IDENTIFIED, TRACED AND ISOLATED AND TEMPORARILY SUPPORTED PRIOR TO WORKS. SUITABLE PROTECTION MEASURES TO BE UNDERTAKEN BY CONTRACTOR PRIOR TO INSTALLATION.					
G	EXISTING STAIRS AND LANDING PARAPETS TO BE TEMPORARILY SUPPORTED OR REMOVED DURING WORKS. SEE TEMPORARY WORKS SUBMISSION FOR DETAILS.					
Н	RAIL IMPACT LOADS DUE TO STRUCTURE CLEARANCE. RESIDUAL RISK.					
I	LIFTING POINTS DESIGNED FOR VERTICAL LOADS ONLY. LIFTING BEAMS TO BE UTILISED TO ENSURE VERTICAL LOADING APPLIED TO LIFTING POINTS DURING LIFTING PROCEDURES					
J	STAIR RISER HEIGHTS. MAY NOT BE POSSIBLE TO ACHIEVE UNIFORM & COMPLIANT RISERS ON LOWER CONCRETE STEPS WHERE PLATFORM LEVEL DICTATES AND TOP STEP WHERE EXISTING TRESTLE DICTATES RISER HEIGHT AND TREAD LENGTH.					
к	TIMBER TREAD SLIP RESISTANCE TO BE TESTING IN ACCORDANCE WITH SPECIFICATION NOTE PRIOR TO FABRICATION. TEST RESULTS TO BE PROVIDED TO NETWORK RAIL.					
L	GEOTECHNICAL PARAMETERS TO BE VERIFIED PRIOR TO UNDERTAKING WORKS. POSSIBLE GROUND REMEDIATION/FOUNDATION REDESIGN REQUIRED SHOULD VALUES LISTED NOT BE ACHIEVED.					

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FORM B

D	FORM B (4) ISSUE	NR	BTB	BTB	06.10.23
С	FORM B (3) ISSUE	NR	BTB	BTB	22.02.23
В	FORM B (2) ISSUE	NR	SC	BTB	15.12.22
A	FORM B (1) ISSUE	NR	SC	BTB	18.03.22
REV	AMENDMENT	DRN	СНК	APP	DATE





PROJECT TITLE BRADING STATION FOOTBRIDGE ELR - IOW STRUCTURE No. EW1/25 MILEAGE - 4m 1166yds

PROPOSED TRESTLE FOUNDATION REINFORCEMENT

DRAWING TITLE

DRAWN	СНК	APP	DATE	SCALE		
NR SC		BTB	FEB 22	AS SHOWN AT A1		
JOB NUM	BER	DRA	WING NUMBER	REVISION		
1	0755		110	D		