

"RESIDUAL HAZARD REGISTER (RELATES TO CIVIL/STRUCTURAL MATTERS ONLY)
MUST BE READ IN CONJUNCTION WITH CURTINS RESIDUAL HAZARD REGISTER 079708-CUR-ZZ-XX-HA-X-00001.
HAZARDS THAT SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING. SHOULD ANY
ADDITIONAL HAZARDS BE IDENTIFIED, THE CONTRACTOR SHOULD NOTIFY ALL RELEVANT PROJECT TEAM MEMBERS."

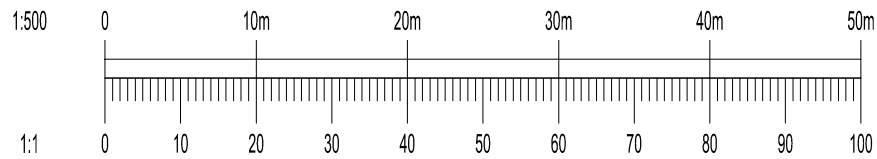
HAZARD REGISTER

HAZARD REF.	ITEM (FEATURE, ELEMENT OR ACTIVITY)	POTENTIAL HAZARD IDENTIFIED	ACTION (INFORMATION TO ASSIST CONTROL)
1.00 ENABLING / HIGHWAY WORKS			
1.01	WORKS WITHIN THE PUBLIC HIGHWAY	VEHICLE IMPACT WITH SITE OPERATIVES DURING WORKS IN PUBLIC HIGHWAY	CONTRACTOR TO ENSURE APPROPRIATE CONSTRUCTION METHODOLOGY SEQUENCE IS IN PLACE DURING CONSTRUCTION WORKS. TRAFFIC MANAGEMENT TO BE ASSESSED AND IMPLEMENTED WHERE REQUIRED.
2.00 SIDE WIDE ISSUES			
2.01	EARTHWORKS & EXCAVATION WORKS WITHIN AREAS OF MINESHAFTS	INSTABILITY AND COLLAPSE OF WORKS DUE TO CLOSE PROXIMITY OF MINESHAFTS	CONTRACTOR TO ENSURE APPROPRIATE CONSTRUCTION METHODOLOGY SEQUENCE TO BE IN PLACE DURING CONSTRUCTION WORKS.
3.00 EXISTING BURIED & OVERHEAD SERVICES			
3.01	CROSSING OF EXISTING SERVICES INCLUDING PUBLIC SEWERS IN HIGHWAYS	STRIKING BURIED SERVICES	CONTRACTOR TO SURVEY EXISTING SERVICES ON SITE PRIOR TO CONSTRUCTION WORKS. DESIGNER TO ASSESS SURVEY INFORMATION AS REQUIRED.
5.00 EXCAVATIONS AND FOUNDATIONS			
5.01	EARTHWORKS & EXCAVATIONS	INSTABILITY AND COLLAPSE DURING CONSTRUCTION PHASE	CONTRACTOR TO ENSURE APPROPRIATE CONSTRUCTION METHODOLOGY SEQUENCE TO BE IN PLACE DURING CONSTRUCTION WORKS.
5.02	EMBANKMENT WORKS	STEEP BANKING CAN CAUSE INSTABILITY. ISSUES WITH PLANT ESTABLISHMENT, MAINTENANCE OR SAFETY.	CONTRACTOR TO ENSURE EMBANKMENT WORKS ARE SUITABLY COMPACTED AND CONSTRUCTED IN ACCORDANCE WITH EARTHWORKS SPECIFICATION REQUIREMENTS.

OTHER DISCIPLINE DRAWING REFERENCES

THE DESIGN OF THIS SCHEME HAS BEEN DESIGNED IN ACCORDANCE WITH THE BELOW DRAWINGS AND INFORMATION.

TOPOGRAPHICAL SURVEY REF:
ELLAM LAND SURVEYS 8303_2D/1 REV A



GENERAL NOTES:

- THE CONTRACTOR SHALL CHECK ALL TIE-INS FOR LINE AND LEVEL WITH EXISTING BEFORE COMMENCING ANY WORKS. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY IN WRITING. SHOULD ANY ERRORS BE FOUND.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ANY SERVICES WITHIN THE VICINITY OF THE WORKS. RELOCATION OF SERVICES TO BE CONFIRMED AND DESIGNED BY OTHERS.
- ALL STREET LIGHTING WORKS ARE TO BE CONFIRMED BY OTHERS.
- ALL WORKS AND MATERIALS TO BE IN ACCORDANCE WITH CURRENT BRITISH STANDARDS AND BUILDING REGULATIONS.
- ALL SUB-BASES AND CAPPING LAYERS TO BE GRADED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS (SFHW).
- ALL PAVEMENT CONSTRUCTIONS ARE BASED ON AN ASSUMED CBR VALUE OF 2.5%. TO BE CONFIRMED BY INSITU TESTING **AT FORMATION**.
- IT IS RECOMMENDED THAT CBR TESTS ARE CARRIED OUT TO CONFIRM CBR VALUES. CBR TEST PROCEDURE IS DETAILED WITHIN DMRB Z25 AND BS 1377-4.
- MEASURED CBR VALUE TO BE AT FORMATION LEVEL AND TO BE A 'SOAKED' CONDITION.
- ANY VARIATIONS IN GROUND CONDITIONS SHOULD BE NOTIFIED TO THE ENGINEER PRIOR TO CONSTRUCTION.
- THE CONSTRUCTION DEPTHS GIVEN ARE THE MINIMUM REQUIRED (COMPACTED).
- THE CONSTRUCTION DEPTHS GIVEN ASSUME FORMATION IS NON-FROST SUSCEPTIBLE.
- WHERE FORMATION IS FROST SUSCEPTIBLE PROVIDE CAPPING MATERIAL TO GIVE A MINIMUM 450mm OVERALL CONSTRUCTION THICKNESS.
- THE CONSTRUCTIONS GIVEN ARE FOR PRIVATE AREAS ONLY AND NOT FOR ADOPTABLE AREAS.
- IN AREAS WHERE LEVELS ARE TO BE RAISED, ACCEPTABLE FILL MATERIAL IS TO BE USED TO THE UNDERSIDE OF THE PROPOSED CONSTRUCTION MAKE UP.
- NO REGULATING OR FILL MATERIAL HAS BEEN INCLUDED IN CONSTRUCTION BUILD UP. CONTRACTOR TO INCLUDE FOR REGULATING/FILL MATERIAL IN THEIR RATES.
- IN AREAS WHERE LEVELS ARE TO BE LOWERED, EXISTING CONSTRUCTION IS TO BE REMOVED (FULL DEPTH).
- LAYING COURSE TO BE IN ACCORDANCE WITH BS7533 REQUIREMENTS.
- CAPPING MATERIAL TO BE 6F1 MATERIAL IN ACCORDANCE WITH SFHW 600 SERIES.
- SUB-BASE NOT TO BE LOADED DURING CONSTRUCTION. ANY AFFECT ON SUB-BASE WHILST EXPOSED TO BE MADE GOOD PRIOR TO CONSTRUCTION.
- TYPE 1 GRANULAR MATERIAL OF COMPACTED THICKNESS GREATER THAN 225mm SHALL BE LAID IN TWO OR MORE LAYERS AND THE MINIMUM COMPACTED THICKNESS OF ANY SUCH LAYER SHALL BE 110mm WHERE THE LAYERS OF UNBOUND MIXTURES ARE OF UNEQUAL THICKNESS. THE LOWEST LAYER SHALL BE THE THICKEST LAYER. REFER TO TO MCHW TABLE 814 FOR COMPACTION METHODOLOGY.

P01	ISSUED	07/02/22	LB	AF	
Rev:	Description:	Date:	By:	Chkd:	
 51-55 Tithern Street, Liverpool, L2 2SB 0151 725 2000 liverpool@curtins.com www.curtins.com Civils & Structures • Transport Planning • Environmental • Infrastructure • Geotechnical • Conservation & Heritage • Principal Designer Birmingham • Bristol • Cambridge • Cardiff • Douglas • Dublin • Edinburgh • Glasgow • Kendal • Leeds • Liverpool • London • Manchester • Nottingham					
Status:	SUITABLE FOR INFORMATION			S2	
Project:	EARLSFIELD PARK				
Dwg Title:	PHASE 02 SPINE ROAD SETTING OUT PLAN				
Drawn By	LB	Designed By	LB	Checked By	AF
		Date	07/02/22	Scales @ A1	1:500
Project No - Originator - Function - Spatial - Form - Discipline - Number					Revision
079708 - CUR - ZZ - XX - D - C - 95102					P01

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