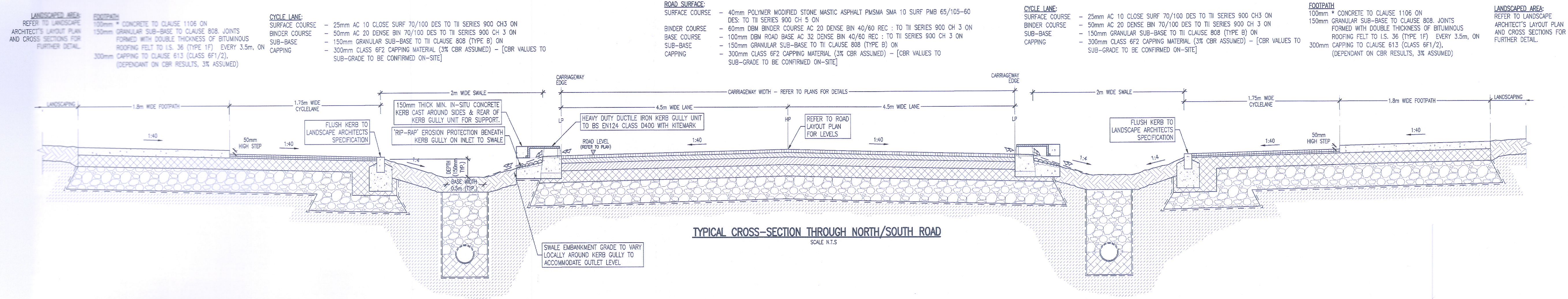


© COPYRIGHT OF THIS DRAWING IS RESERVED BY DBFL CONSULTING ENGINEERS. NO PART SHALL BE REPRODUCED OR TRANSMITTED WITHOUT THEIR WRITTEN PERMISSION.

NO CHANGES OF WHATSOEVER NATURE ARE TO BE MADE TO ANY DETAILS SET OUT OR CONTAINED IN ANY DBFL SPECIFICATIONS OR DRAWINGS UNLESS THE EXPRESS CONSENT HAS BEEN OBTAINED IN ADVANCE, IN WRITING, FROM DBFL.

- NOTES:
- C20/25 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 280kg/m³, MAXIMUM WATER/CEMENT RATIO OF 0.65 AND SLUMP CLASS S2.
 - C25/30 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 280kg/m³, MAXIMUM WATER/CEMENT RATIO OF 0.65 AND SLUMP CLASS S2.
 - C40/50 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 400kg/m³, MAXIMUM WATER/CEMENT RATIO OF 0.45 AND SLUMP CLASS S3.
 - WHERE CLASS 6F1/6F2 CAPPING MATERIAL IS PROPOSED WITHIN 500mm OF CONCRETE OR STEEL, CLASS 6N TO BE USED INSTEAD.
 - * WHERE FOOTPATHS ARE LOCATED ADJACENT TO ROADS, C40/50 CONCRETE TO BE USED. ALTERNATIVELY, C25/30 CONCRETE MAY BE USED.



NOTE:

- FOR AREAS WHERE CBR VALUES ARE BELOW 2%, CARRY OUT THE FOLLOWING:
 - THE SOFT AREA IS TO BE EXCAVATED OUT FULLY AND REPLACED WITH A GENERAL FILL MATERIAL (CLASS 1A/1B) TO T.I. SPECIFICATION TO THE UNDERSIDE OF AN 'ENKAGRID' LAYER (ENKAGRID TRC 40 OR SIMILAR 40kN/m²). SEPARATION GEOTEXTILE TO BE PLACED BETWEEN THE SUBGRADE AND CAPPING.
 - SOIL TO BE STABILISED IN-SITU WITH LIME/CEMENT TO SPECIALIST CONTRACTOR SPECIFICATION TO FORMATION LEVEL, MINIMUM CBR 5%.
- AN ENGINEER SHOULD INSPECT THE SOFT AREA WHEN IT HAS BEEN FULLY EXCAVATED OUT PRIOR TO THE FILL/STABILISED MATERIAL BEING PLACED/WORKED.
- FOR AREAS WHERE CBR VALUES ARE BETWEEN 2% AND 5%, CARRY OUT THE FOLLOWING:
 - THE SOIL IS TO BE EXCAVATED OUT FULLY AND REPLACED WITH A CAPPING MATERIAL TYPE 6F1/6F2 T.I. SPECIFICATION. DEPTHS OF CAPPING MATERIAL AS PER TABLE 1. SEPARATION GEOTEXTILE TO BE PLACED BETWEEN THE SUBGRADE AND CAPPING.
 - SOIL TO BE STABILISED IN-SITU WITH LIME/CEMENT TO SPECIALIST CONTRACTOR SPECIFICATION TO FORMATION LEVEL, MINIMUM CBR 5%, DEPTHS OF MATERIAL TO BE STABILISED AS PER TABLE 1 BELOW.

NOTE:

- ALL WORKS & SPECIFICATIONS TO BE UNDERTAKEN IN ACCORDANCE WITH
- T.I. SPECIFICATION FOR ROADWORKS
- RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS

PO2	08/06/22	ISSUED FOR FURTHER INFORMATION	RTM	SVC
PO1	07/09/22	ISSUED FOR FURTHER INFORMATION	CDC	RTM
rev	date	description	by	chgd.
		A - Approved		
		B - Approved with comments		
		C - Do not use		

DBFL Consulting Engineers
Civil, Structural & Transportation Engineering
www.dbfl.ie

DUBLIN OFFICE: Ormeau House, Upper Ormeau Quay, Dublin 7, D07 W9P4
PHONE: +353 1 400 4000

CORK OFFICE: 14 South Mall, Cork, T12 CT91
PHONE: +353 21 202833

WATERFORD OFFICE: Suite 10 The Arkum, Maritime Gate, Canada Street, Waterford, X01 W028
PHONE: +353 51 300 000

project ref: WAREHOUSING / LOGISTICS & OFFICES AT CALMOUNT ROAD, BALLYMOUNT

drawing title: TYPICAL ROAD CROSS SECTION SHEET 1

client: BLACKWIN LIMITED

designed by	author	scale	sheet size
TRM	CDC	AS SHOWN	A1
drawing no.		revision	
210175-DBFL-RD-SP-DR-C-5018		P02	