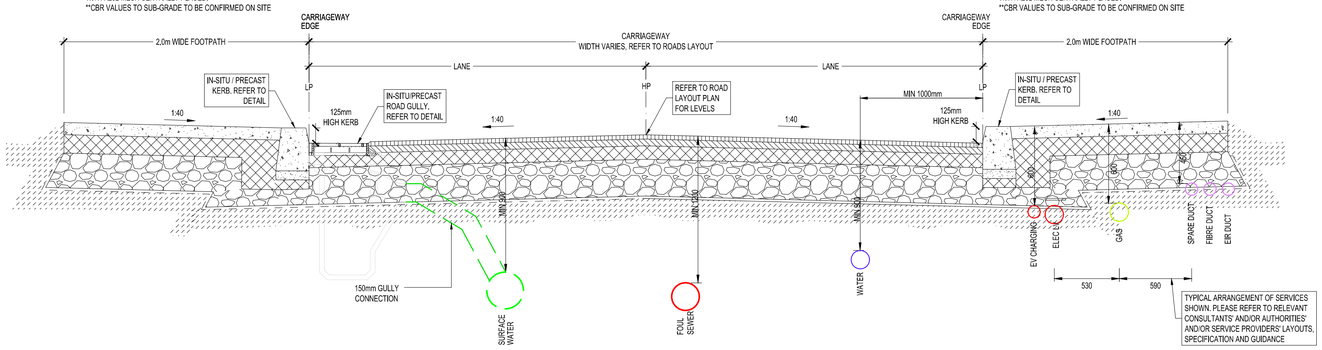
PUBLIC FOOTPATH :
CONCRETE* - 100mm CONCRETE (C28/35) TO CLAUSE 1106 ON
SUB-BASE - 150mm UNBOUND GRANULAR MIXTURE A TO CC-SPW-00800 ON
CAPPING** - 300mm CLASS 6F2 CAPPING MATERIAL (3% CBR ASSUMED) TO CC-SPW-00600
*JOINTS TO BE CONSTRUCTED AT 3m CC, AT DRIVEWAYS OR SHARED SURFACE/HOMEZONE AREAS, THICKNESS TO BE INCREASED TO 150mm WITH A252 MESH CENTRALLY PLACED.
**CBR VALUES TO SUB-GRADE TO BE CONFIRMED ON SITE

ROAD SURFACE:
SURFACE COURSE* - 40mm SMA 10 SURF PMB 65/105-60 DES TO CC-SPW-00900 ON
BINDER COURSE* - 60mm AC 20 DENSE BIN 40/60 DES TO CC-SPW-00900 ON
BASE COURSE* - 100mm AC 32 DENSE BASE 40/60 DES TO CC-SPW-00900 ON
SUB-BASE - 150mm UNBOUND GRANULAR MIXTURE A TO CC-SPW-00800 ON
CAPPING** - 300mm CLASS 6F2 CAPPING MATERIAL (3% CBR ASSUMED) TO CC-SPW-00600
*TACK COAT TO CC-SPW-00900 BETWEEN SURFACE AND BINDER COURSE, AND BINDER AND BASE COURSE
**CBR VALUES TO SUB-GRADE TO BE CONFIRMED ON SITE

PUBLIC FOOTPATH :
CONCRETE* - 100mm CONCRETE (C28/35) TO CLAUSE 1106 ON
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CAPPING** - 300mm CLASS 6F2 CAPPING MATERIAL (3% CBR ASSUMED) TO CC-SPW-00600
*JOINTS TO BE CONSTRUCTED AT 3m CC, AT DRIVEWAYS OR SHARED SURFACE/HOMEZONE AREAS, THICKNESS TO BE INCREASED TO 150mm WITH A252 MESH CENTRALLY PLACED.
**CBR VALUES TO SUB-GRADE TO BE CONFIRMED ON SITE

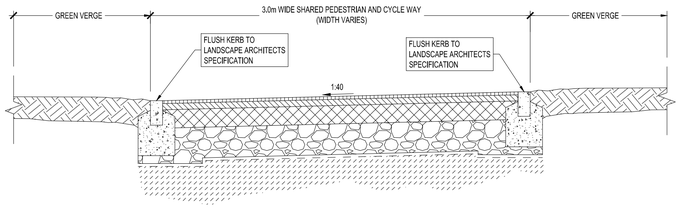


TYPICAL ROAD CROSS-SECTION

SCALE N.T.S

TABLE 1		
CAPPING/STABILISATION DEPTHS (mm)		
CBR	ROADS	CARPARK
2%-3%	400	300
3%-4%	300	200
4%-5%	250	150
ABOVE 5%	200	100
WHERE CBR VALUES ARE LOWER THAN 2% IMPROVEMENT OF SUB-GRADE MAY BE REQUIRED		

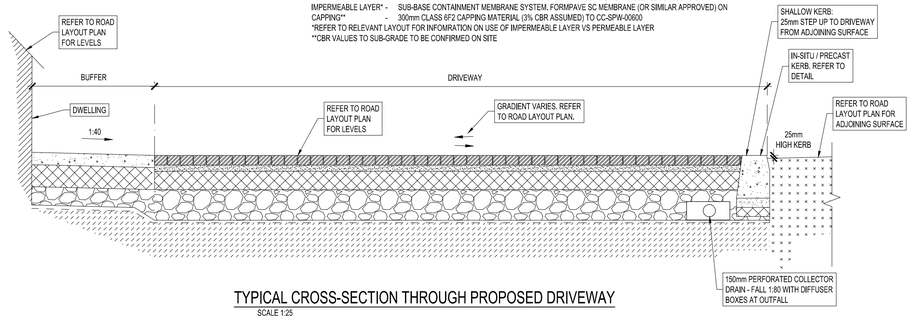
CYCLEWAY ('GREENWAY'):
SURFACE COURSE* - 25mm SMA 6 SURF PMB 65/100-60 DES TO CC-SPW-00900 ON
BINDER COURSE* - 50mm AC 20 DENSE BIN 70/100 DES TO CC-SPW-00900 ON
SUB-BASE - 150mm UNBOUND GRANULAR MIXTURE A TO CC-SPW-00800 ON
CAPPING** - 300mm CLASS 6F2 CAPPING MATERIAL (3% CBR ASSUMED) TO CC-SPW-00800
*TACK COAT BETWEEN SURFACE AND BINDER COURSE
**CBR VALUES TO SUB-GRADE TO BE CONFIRMED ON SITE



PROPOSED SHARED PEDESTRIAN AND CYCLE WAY TYPICAL CROSS-SECTION

SCALE N.T.S

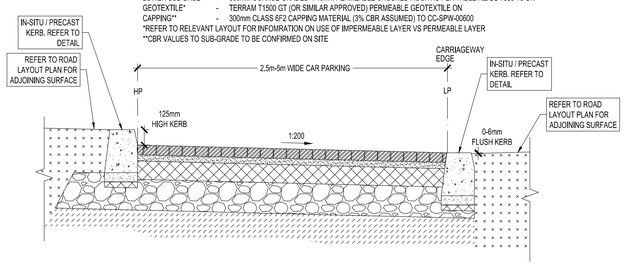
DRIVEWAY - PERMEABLE BLOCK PAVING
BLOCK PAVING - 80mm PERMEABLE BLOCK PAVING TO ARCHITECT'S SPECIFICATION ON
LAYING COURSE - 50mm SHARP SAND AS PER TABLE A.2 BS 7533-13 ON
GEOTEXTILE - TERRAM T1500 GT (OR SIMILAR APPROVED) PERMEABLE GEOTEXTILE ON
UPPER SUB-BASE - 150mm HYDRAULICALLY (CEMENT) BOUND AGGREGATE TO CC-SPW-00800 ON
LOWER SUB-BASE - 300mm COARSE GRADED 4-40mm PERMEABLE CRUSHED ROCK AS PER TABLE A.2 BS 7533-13 ON
IMPERMEABLE LAYER* - SUB-BASE CONTAINMENT MEMBRANE SYSTEM, FORMPAVE SC MEMBRANE (OR SIMILAR APPROVED) ON
CAPPING** - 300mm CLASS 6F2 CAPPING MATERIAL (3% CBR ASSUMED) TO CC-SPW-00600
*REFER TO RELEVANT LAYOUT FOR INFOMRATION ON USE OF IMPERMEABLE LAYER VS PERMEABLE LAYER
**CBR VALUES TO SUB-GRADE TO BE CONFIRMED ON SITE



TYPICAL CROSS-SECTION THROUGH PROPOSED DRIVEWAY

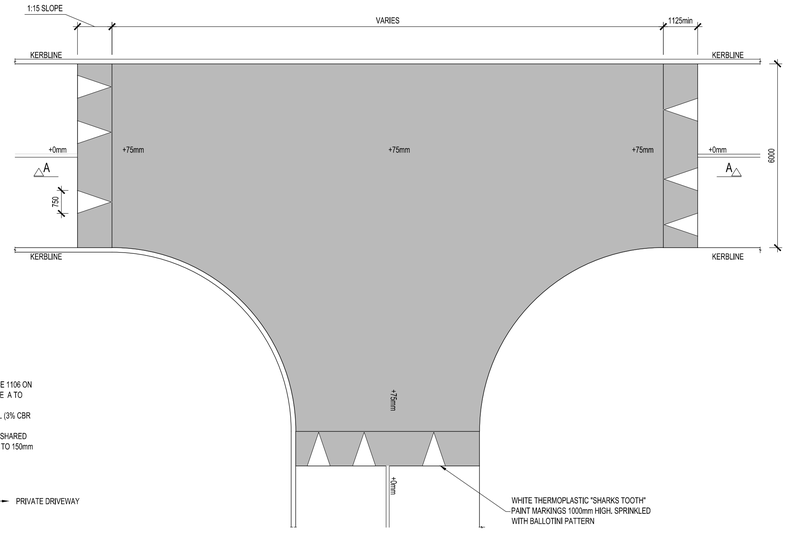
SCALE 1:25

CAR PARKING - PERMEABLE BLOCK PAVING
BLOCK PAVING - 80mm PERMEABLE BLOCK PAVING TO ARCHITECT'S SPECIFICATION ON
LAYING COURSE - 50mm SHARP SAND AS PER TABLE A.2 BS 7533-13 ON
GEOTEXTILE - TERRAM T1500 GT (OR SIMILAR APPROVED) PERMEABLE GEOTEXTILE ON
UPPER SUB-BASE - 150mm HYDRAULICALLY (CEMENT) BOUND AGGREGATE TO CC-SPW-00800 ON
LOWER SUB-BASE - 300mm COARSE GRADED 4-40mm PERMEABLE CRUSHED ROCK AS PER TABLE A.2 BS 7533-13 ON
GEOTEXTILE* - TERRAM T1500 GT (OR SIMILAR APPROVED) PERMEABLE GEOTEXTILE ON
CAPPING** - 300mm CLASS 6F2 CAPPING MATERIAL (3% CBR ASSUMED) TO CC-SPW-00600
*REFER TO RELEVANT LAYOUT FOR INFOMRATION ON USE OF IMPERMEABLE LAYER VS PERMEABLE LAYER
**CBR VALUES TO SUB-GRADE TO BE CONFIRMED ON SITE



TYPICAL CROSS-SECTION THROUGH PROPOSED PERMEABLE PAVER CAR PARKING

SCALE 1:25

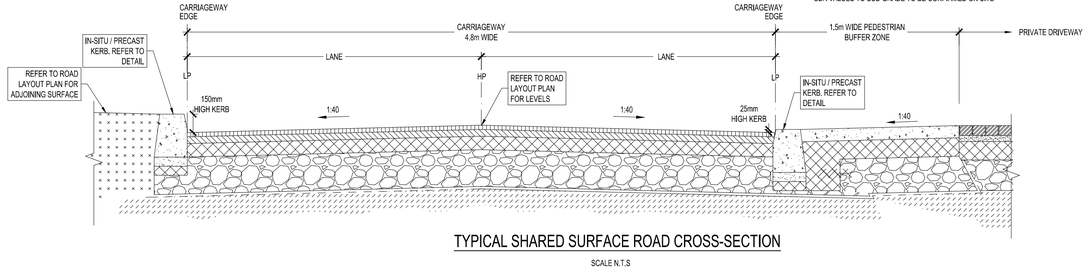


TYPICAL PLAN OF TRAFFIC PLATFORM (FULL JUNCTION)

SCALE N.T.S.

ROAD SURFACE:
SURFACE COURSE* - 40mm SMA 10 SURF PMB 65/105-60 DES TO CC-SPW-00900 ON
BINDER COURSE* - 60mm AC 20 DENSE BIN 40/60 DES TO CC-SPW-00900 ON
BASE COURSE* - 100mm AC 32 DENSE BASE 40/60 DES TO CC-SPW-00900 ON
SUB-BASE - 150mm UNBOUND GRANULAR MIXTURE A TO CC-SPW-00800 ON
CAPPING** - 300mm CLASS 6F2 CAPPING MATERIAL (3% CBR ASSUMED) TO CC-SPW-00600
*TACK COAT TO CC-SPW-00900 BETWEEN SURFACE AND BINDER COURSE, AND BINDER AND BASE COURSE
**CBR VALUES TO SUB-GRADE TO BE CONFIRMED ON SITE

PEDESTRIAN BUFFER ZONE :
CONCRETE* - 100mm CONCRETE (C28/35) TO CLAUSE 1106 ON
SUB-BASE - 150mm UNBOUND GRANULAR MIXTURE A TO CC-SPW-00800 ON
CAPPING** - 300mm CLASS 6F2 CAPPING MATERIAL (3% CBR ASSUMED) TO CC-SPW-00600
*JOINTS TO BE CONSTRUCTED AT 3m CC, AT DRIVEWAYS OR SHARED SURFACE/HOMEZONE AREAS, THICKNESS TO BE INCREASED TO 150mm WITH A252 MESH CENTRALLY PLACED.
**CBR VALUES TO SUB-GRADE TO BE CONFIRMED ON SITE



TYPICAL SHARED SURFACE ROAD CROSS-SECTION

SCALE N.T.S

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE TO MALIN HEAD DATUM.
3. ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS.
4. CONTRACTOR TO CHECK ALL DIMENSIONS ON SITE.
5. ALL COORDINATES ARE TO IRISH TRANSVERSE MERCATOR
6. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS.
7. COPYRIGHT OSL.

REV	DATE	DESCRIPTION	BY	CHK'D	AUTH
P03	29.05.26	ISSUED FOR PLANNING	BJM	DB	DB
P02	03.11.25	ISSUED FOR SECTION 32B	BJM	JT	DB
P01	28.10.25	ISSUED FOR INFORMATION	BJM	JT	DB

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Civil, Structural & Project Engineering Services
Unit 38 Eastgate Drive, Little Island, Cork T45 YO49
Tel: +353 21 4297572

CLIENT

GLR PROPERTY LTD.

PROJECT
PROPOSED LARGE-SCALE RESIDENTIAL DEVELOPMENT AT OLD ORCHARD, MONALEEN, LIMERICK, CO. LIMERICK

TITLE
PROPOSED ROAD DETAILS SHEET 1

PURPOSE
FOR PLANNING

ORIGINAL SCALE
A1 - NOT TO SCALE

ORIGINAL ISSUE DATE
28.10.2025

STATUS
S2

DRAWING NO
25066-OSL-90-DR-C-9010

REV
P03