

NOTES:

- CLOSE GRADED SURFACE COURSE MACADAM SHALL COMPLY WITH THE REQUIREMENTS OF CLAUSE 912 OF THE NRA'S 'SPECIFICATION FOR ROAD WORKS' AND SHALL SATISFY THE REQUIREMENTS OF TABLE 9/2. IT SHALL BE LAID & COMPACTED IN ACCORDANCE WITH CLAUSE 901 & CLAUSE 702
- DENSE BITUMEN MACADAM BINDER COURSE SHALL COMPLY WITH THE REQUIREMENTS OF CLAUSE 906 OF THE NRA'S 'SPECIFICATION FOR ROAD WORKS' & SHALL SATISFY THE REQUIREMENTS OF TABLE 9/1. IT SHALL BE LAID & COMPACTED IN ACCORDANCE WITH CLAUSE 901 & CLAUSE 702.
- SUB-BASE MATERIAL SHALL COMPLY WITH CLAUSE 808. GRANULAR MATERIAL TYPE B OF NRA'S 'SPECIFICATION FOR ROAD WORKS' (SRW) & SHALL SATISFY THE REQUIREMENTS OF TABLE 8/4 & 8/2.
- SUB FORMATION & CAPPING MATERIAL SHALL COMPLY WITH CLAUSE 613 OF THE NRA'S 'SPECIFICATION FOR ROAD WORKS' & SHALL SATISFY THE REQUIREMENTS OF TABLE 6/1 & 6/2.
- STONE BLINDING WITH 2-6.3mm AGGREGATE SHALL MEET THE FOLLOWING GRADINGS, IN ACCORDANCE WITH IS EN 13242

BS SIEVE SIZE (mm)	% BY MASS PASSING
14	100
10	98-100
6.3	80-99
2.0	0-20
1.0	0-5
- CRUSHED STONE WITH 4-20mm AGGREGATE SHALL MEET THE FOLLOWING GRADINGS, IN ACCORDANCE WITH IS EN 13242

BS SIEVE SIZE (mm)	% BY MASS PASSING
40	100
31.5	98-100
20	90-99
10	25-70
4	0-15
5	0-5
- ANY ROADS PROPOSED TO BE USED FOR CONSTRUCTION TRAFFIC ARE TO HAVE INCREASED DEPTH OF SUB-BASE FOR THE DURATION OF CONSTRUCTION IN ACCORDANCE WITH DBFL SPECIFICATIONS.
- ALL WORKS SHALL BE COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY.
- ALL GEOGRIDS TO BE LAID IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
- ALL PERMEABLE PAVING SUB-FORMATION TO BE LAID TOWARD DRAINAGE PIPEWORK.

CONCRETE FOOTPATH

100mm CONCRETE PAVEMENT(150mm AT VEHICLE CROSSINGS) TO CL 1106(NRA) ON MINIMUM 150mm COMPACTED CLAUSE 808(NRA), LAID TO FALL WITH BLINDED SURFACE. JOINTS TO BE FORMED WITH TWO LAYERS OF BITUMINOUS FELT FOR FULL SLAB DEPTH AT 3m CENTRES (JOINTS TO CONCOIDE WITH JOINTS IN THE KERB AND POSITIONED AT CORNERS ETC LIABLE TO CRACKING). FINISH BY FLOATING WITH WOODEN TROWEL WHILE STILL GREEN THEN LIGHTLY BRUSHED WITH A BASS BROOM TO PRODUCE REQUIRED SURFACE TEXTURE TO WITHIN 100mm OF ALL JOINTS + EDGES.

BITUMINOUS CYCLEWAY

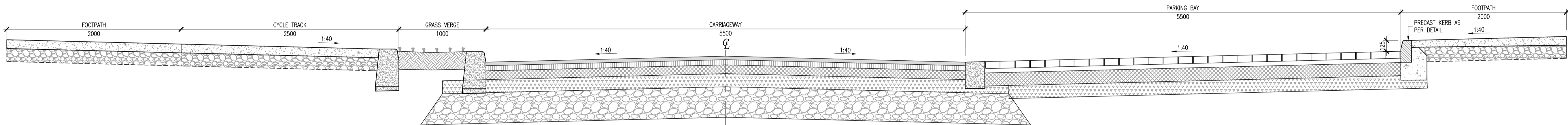
60mm BITUMINOUS SURFACE COURSE : AC10 DENSE SURF (10mm AG) SINGLE LAYER ON 150mm SUB-BASE TO CL 804 (NRA) CRUSHED ROCK LAID TO FALL, COMPACTED & BLINDED WITH QUARRY SCREENINGS

ROAD CONSTRUCTION

45mm OF SMA 10 SURF PMB 65/105-60 DES TO CLAUSE 942 (MIN PSV 55) 100mm OF ASPHALT CONCRETE BINDER COURSE: AC 20 DENSE BIN 40/60 (20mm AGGREGATE) TO CLAUSE 906 ON 150mm OF GRANULAR SUB-BASE TO CLAUSE 808 WITH BLINDED SURFACE ON 600mm CLASS 6F2 CAPPING MATERIAL.

CARPARK BAY CONSTRUCTION(PRIVATE IN CURTLEDGE)

80mm PERMEABLE PAVING BLOCK AS TOBERMORE HYDROPAVE TO IS EN 1338 & ARCHITECTS SPECIFICATION & APPROVAL & LAYING PATTERN ON 50mm LAYING COURSE MATERIAL AS PER TABLE A.2 BS 7533-13 ON 150mm ROADBASE CEMENT STABILISED COARSE GRADED AGGREGATE AS CBOM B TO NRA CL 822 ON 150mm GRANULAR 4/20mm COARSE GRADED PERMEABLE CRUSHED ROCK AS PER TABLE A.1 BS 7533-13 ON



TYPICAL CROSS SECTION THROUGH PRIMARY ACCESS ROAD

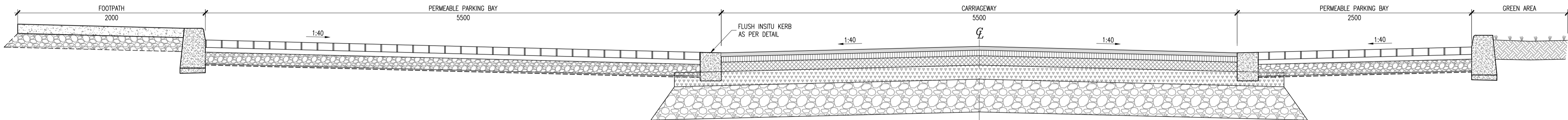
SCALE 1:25

MAIN ACCESS ROAD PARKING BAY CONSTRUCTION

80mm PERMEABLE PAVING BLOCK AS TOBERMORE HYDROPAVE TO IS EN 1338 & ARCHITECTS SPECIFICATION & APPROVAL & LAYING PATTERN ON 50mm LAYING COURSE MATERIAL AS PER TABLE A.2 BS 7533-13 ON 150mm ROADBASE CEMENT STABILISED COARSE GRADED AGGREGATE AS CBOM B TO NRA CL 822 ON 150mm GRANULAR 4/20mm COARSE GRADED PERMEABLE CRUSHED ROCK AS PER TABLE A.1 BS 7533-13 ON

ROAD CONSTRUCTION

45mm OF SMA 10 SURF PMB 65/105-60 DES TO CLAUSE 942 (MIN PSV 55) 100mm OF ASPHALT CONCRETE BINDER COURSE: AC 20 DENSE BIN 40/60 (20mm AGGREGATE) TO CLAUSE 906 ON 150mm OF GRANULAR SUB-BASE TO CLAUSE 808 WITH BLINDED SURFACE ON 600mm CLASS 6F2 CAPPING MATERIAL.



TYPICAL CROSS SECTION THROUGH LOCAL ROAD

SCALE 1:25

CARPARK BAY CONSTRUCTION (PRIVATE)

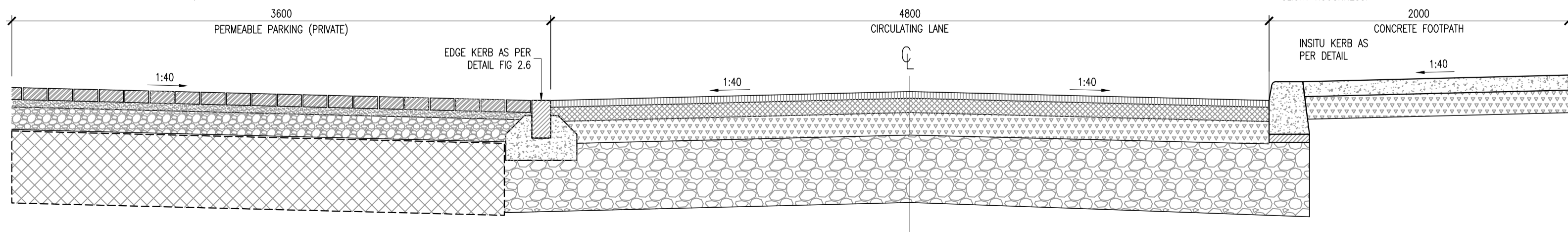
80mm PERMEABLE PAVING BLOCK TO BS EN 1338 & ARCHITECTS SPECIFICATION & APPROVAL & LAYING PATTERN ON 50mm LAYING MATERIAL & JOINTING TO MANUFACTURERS SPECIFICATION (TYPICALLY TYPE 2/6.3 GC 80/20 TO I.S. EN 13342) ON 350mm SUB-BASE LAYER 4mm TO 20mm COARSE GRADE CLEAR CRUSHED ROCK TO I.S. EN 13242:2002 (SEE NOTE ON PARTICLE SIZE DISTRIBUTION) ON GEOTEXTILE LAYER TO CLAUSE 609 (NRA) ON 450mm CLASS 6F2 CAPPING STONE FORMATION COMPACTED WITH SMOOTH WHEEL ROLLER IN ACCORDANCE WITH SPECIFICATION (BASED ON CBR 2% AND SUBJECT TO MANUFACTURERS RECOMMENDATIONS)

ROAD CONSTRUCTION

45mm OF STONEMASTIC ASPHALT (SIAC DURACOLOUR - BUFF FINISH) SURFACE COURSE: SMA 14 SURF 40/60 (14mm AGGREGATE, MIN 30% CONTENT) TO NRA SERIES 900 ON 100mm OF DENSE BITUMEN MACADAM BINDER COURSE: AC 20 DENSE BIN 40/60 (20mm AGGREGATE) TO NRA SERIES 900 ON 150mm OF CLAUSE 808 D.O.E. GRADED CRUSHED ROCK LAID TO FALL AND BLINDED WITH QUARRY SCREENINGS ON 350mm ON GEOGRID CLASS 6F2 CAPPING STONE

CONCRETE FOOTPATH

100mm CONCRETE PAVEMENT(150mm AT VEHICLE CROSSINGS WITH A393 MESH TOP AND BOTTOM) C40 AIR ENTRAINED ON JOINTS TO BE FORMED WITH TWO LAYERS OF BITUMINOUS FELT FOR FULL SLAB DEPTH AT 3m CENTRES (JOINTS TO CONCOIDE WITH JOINTS IN THE KERB AND POSITIONED AT CORNERS ETC LIABLE TO CRACKING). FINISH BY FLOATING WITH WOODEN TROWEL WHILE STILL GREEN THEN LIGHTLY BRUSHED WITH A BASS BROOM TO PRODUCE SLIGHT ROUGHNESS.



TYPE 3 ACCESS ROAD (SHARED SURFACE)

SCALE 1:25

P01	10/12/21	STAGE 3 SHD PLANNING	GMC	BCM
rev	date	description	by	chkd.
client approval	A - Approved			
	B - Approved with comments			
	C - Do not use			

suitability	issue purpose
S2 - INFORMATION	PLANNING

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

DUBLIN OFFICE: Ormond House, Upper Ormond Quay, Dublin 7, D07 W704
PHONE +353 1 460 4000
CORK OFFICE: Phoenix House, Monahan Road, Cork, T12 H1XV
PHONE +353 (0) 21 2204538
WATERFORD OFFICE: Suite 8b The Albion, Marlana Gate, Canada Street, Waterford, X91 W028
PHONE +353 51 309 500

project ref.

RESIDENTIAL DEVELOPMENT
HOLLYSTOWN

drawing title

TYPICAL ROAD CONSTRUCTION
DETAILS SHEET 3

client

GLENVEAGH HOMES LIMITED

designed by	author	scale	sheet size
BCM	GMC	AS NOTED	A1
drawing no.	revision		
170182-DBFL-RD-SP-DR-C-5203	P01		