

- NOTES:
- ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH THE NRA SPECIFICATION FOR ROAD WORKS UNLESS OVERRIDDEN BY LOCAL AUTHORITY STANDARDS
 - 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 9/1. 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 BUNDING 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 GEOTEXTILES TO BE LAID IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
 - ALL PERMEABLE PAVING SUB-FORMATION TO BE LAID TOWARD DRAINAGE PIPEWORK.

CONCRETE FOOTPATH

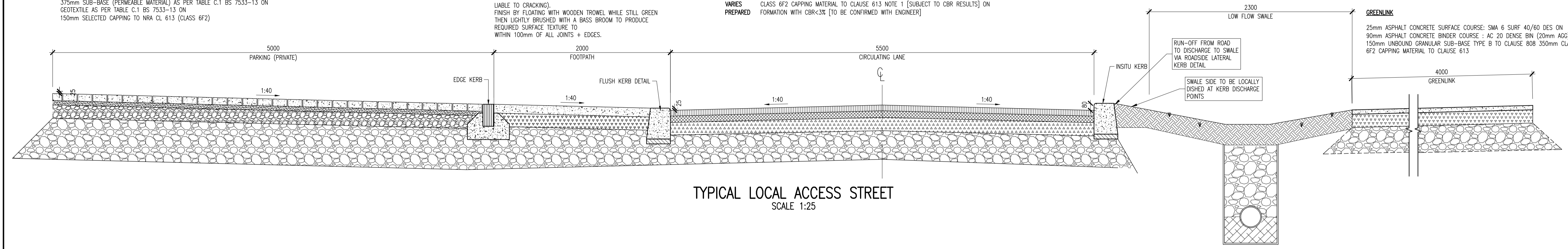
100mm CONCRETE PAVEMENT (150mm AT VEHICLE CROSSINGS) TO CL 1106 (NRA) ON MINIMUM COMPACTED CLAUSE 808 (NRA), LAID TO FALL WITH BLUNDED SURFACE.
 JOINTS TO BE FORMED WITH TWO LAYERS OF BITUMINOUS FELT FOR FULL SLAB DEPTH AT 3m CENTRES (JOINTS TO COINCIDE WITH JOINTS IN THE KERB AND POSITIONED AT CORNERS 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.

ROAD CONSTRUCTION

40mm BLACK SMA 10 SURF PMB 65/105-60 TO IS EN 13108-5 & CLAUSE 942 ON
 100mm ASPHALT CONCRETE BINDER COURSE TO CLAUSE 906 NOTE 1 [AC 20 HDM BIN 40/60 TO EN13108:1] ON
 150mm UNBOUND GRANULAR SUB-BASE TYPE B TO CLAUSE 808 NOTE 1 [MIN CBR 30%] ON
 VARIES CLASS 6F2 CAPPING MATERIAL TO CLAUSE 613 NOTE 1 [SUBJECT TO CBR RESULTS] ON
 PREPARED FORMATION WITH CBR<3% [TO BE CONFIRMED WITH ENGINEER]

PERMEABLE PAVING DRIVEWAY CONSTRUCTION

80mm PERMEABLE CONCRETE PAVING BLOCK TO IS EN 1338 & ARCHITECTS SPECIFICATION & APPROVAL, JOINTING MATERIAL AS PER MANUFACTURER'S RECOMMENDATIONS ON
 50mm LAYING COURSE AS PER TABLE A.2 BS 7533-13 ON
 375mm SUB-BASE (PERMEABLE MATERIAL) AS PER TABLE C.1 BS 7533-13 ON
 GEOTEXTILE AS PER TABLE C.1 BS 7533-13 ON
 150mm SELECTED CAPPING TO NRA CL 613 (CLASS 6F2)



TYPICAL LOCAL ACCESS STREET
SCALE 1:25

FIGURE 1A

PAVED VERGE (SERVICE CORRIDOR)

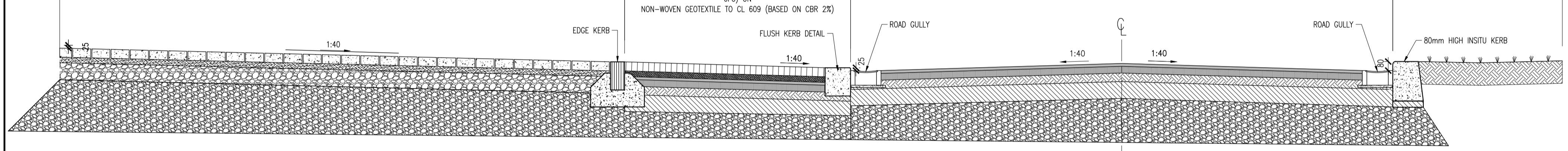
80MM PAVING BLOCK TO IS EN 1338 AND ARCHITECTS SPECIFICATION, APPROVAL AND LAYING PATTERN, JOINTING MATERIAL TO BS 7533-3 AS BS EN 12620 GF BS 011 (FP) FINE AGGREGATE ON
 50mm LAYING COURSE AS PER TABLE D6 BS 7533-3 TO SERIES 900 NRA ON
 25mm SURFACE COURSE OF SMA-10 SURF PMB 65/105-60 TO SERIES 900 NRA ON
 60mm BINDER COURSE OF AC20 DENSE BIN TO SERIES 900 NRA ON
 75mm BASE COURSE OF AC32 DENSE BASE TO SERIES 900 NRA ON
 150mm SUB-BASE GRANULAR CRUSHED ROCK TO DL 808 ON
 150mm SELECTED CRUSHED ROCK CAPPING TO CL 613 (CLASS 6F2) ON
 NON-WOVEN GEOTEXTILE TO CL 609 (BASED ON CBR 2%)

ROAD CONSTRUCTION

40mm POLYMER MODIFIED STONE MASTIC ASPHALT PMSMA SMA 10 SURF PMB 65/105-60 TO IS EN 13108-5 & CLAUSE 942 RED OR
 BUFF COURSE TO BE AGREED WITH SUCC ON
 100mm ASPHALT CONCRETE BINDER COURSE TO CLAUSE 906 NOTE 1 [AC 20 HDM BIN 40/60 TO EN13108:1] ON
 150mm UNBOUND GRANULAR SUB-BASE TYPE B TO CLAUSE 808 NOTE 1 [MIN CBR 30%] ON
 VARIES CLASS 6F2 CAPPING MATERIAL TO CLAUSE 613 NOTE 1 [MIN CBR 15%] ON
 PREPARED FORMATION WITH CBR<3% [TO BE CONFIRMED WITH ENGINEER]

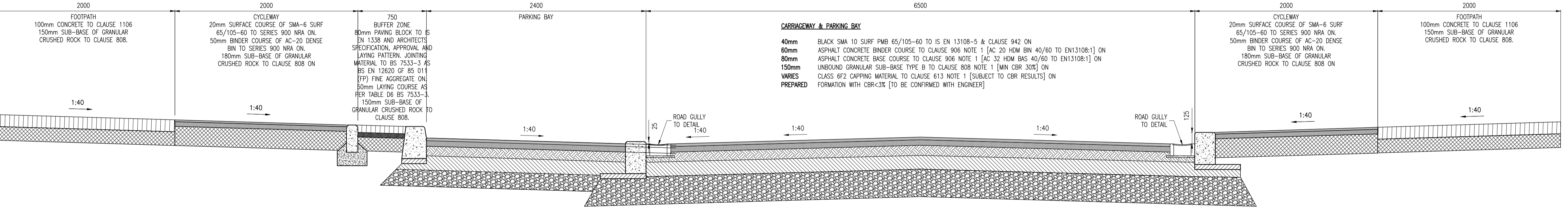
PERMEABLE PAVING DRIVEWAY CONSTRUCTION

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 50mm LAYING COURSE AS PER TABLE A.2 BS 7533-13 ON
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 GEOTEXTILE AS PER TABLE C.1 BS 7533-13 ON
 150mm SELECTED CAPPING TO NRA CL 613 (CLASS 6F2)



TYPICAL LOCAL HOMEZONE STREET
SCALE 1:25

FIGURE 1B



TYPICAL SECTION THROUGH LINK STREET
SCALE 1:25

REV	DATE	DESCRIPTION	BY	CHKD
PLANNING				
DESIGNED	NGC	PREPARED	PJC	
DATE	SEP 2019	CHECKED	DJR	

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PROJECT
LANDS AT NEWCASTLE, SOUTH DUBLIN

DRG. TITLE
TYPICAL ROAD CONSTRUCTION DETAILS SHEET 1

ARCHITECT
MOLA

SCALE	AS SHOWN @A1	FILE REF.	170024-2020
DRG. NO.	170024-2020		

FIGURE 1C