

TABLE – 1

FEEDER/COLLECTOR/MINOR ACCESS ROAD/ ACCESS ROAD-SHARED SURFACE TRANSITION ACCESS WAY WITH FOOTWAY		
LAYER	THICKNESS	MATERIAL / SPECIFICATION
WEARING COURSE	30mm	10mm PROPRIETARY THIN SURFACE COURSE SYSTEM WITH A 1.2mm MIN. SURFACE TEXTURE COMPLYING WITH CLAUSE 942 OR CLOSE GRADED ASPHALT CONCRETE SURFACE COURSE 10mm NOMINAL SIZE TO CLAUSE 912 – FINES OF CRUSHED LIMESTONE AND/OR NATURAL SAND (SEE NOTE 1)
BINDER COURSE	65mm	DENSE ASPHALT CONCRETE BINDER COURSE 20mm NOMINAL SIZE TO CLAUSE 906
BASE COURSE	160mm	COLD RECYCLED BITUMEN BOUND MATERIAL TO CLAUSE 948SR MIN. CHARACTERISTIC STIFFNESS 2500 MPa
SUB BASE	AS TABLE	RECYCLED GRANULAR MATERIAL TO HCC CLAUSES 891AR OR 892AR
CAPPING	AS TABLE	CLASS 6F1, 6F2, 6F4, 6F5, COMPACTED TO CLAUSE 802

NOTE 1: THE COURSE AGGREGATE IN SURFACE COURSE MIXTURES FOR RESIDENTIAL ROADS SERVING UP TO 50 DWELLINGS SHALL HAVE A POLISHED STONE VALUE NOT LESS THAN 55 AND AN AGGREGATE ABRASION VALUE NOT GREATER THAN 14. ALL OTHER PROPERTIES SHALL BE IN ACCORDANCE WITH CLAUSE 901. PROPRIETARY THIN SURFACE COURSE SYSTEMS MAY INCLUDE A HIGH PERFORMANCE BOND COAT.

TABLE – 2

FOOTWAY / VEHICULAR CROSSING		
LAYER	THICKNESS	MATERIAL / SPECIFICATION
WEARING COURSE	25mm	6mm DENSE ASPHALT CONCRETE SURFACE COURSE TO CLAUSE 909
BINDER COURSE	50mm	COLD RECYCLED BOUND MATERIAL 14mm NOMINAL SIZE COMPLYING WITH HCC CLAUSE 948SR
SUB BASE	100mm MIN. (SEE NOTE 2)	RECYCLED GRANULAR MATERIAL TO HCC CLAUSES 891AR OR 892AR

NOTE 2: 100mm TO BE INCREASED OR CAPPING LAYER PROVIDED IF SUBGRADE CBR < 5%.
ON HEAVY CLAY SOILS, OR WHERE NEW PLANTING IS TO UNDERTAKEN ADJACENT TO THE FOOTWAY, THE SUB-BASE/CAPPING LAYER BENEATH FOOTWAYS SHALL BE AS FOR THE ADJACENT CARRIAGEWAY AND A GEOTEXTILE WILL BE REQUIRED SURROUNDING THE SUB-BASE/CAPPING LAYER TO LIMIT PROBLEMS WITH CRACKS ARISING FROM SHRINKAGE OR SWELLING.

CONSTRUCTION NOTES:

- ADAPTABLE ASPHALT FOOTWAYS TO BE CONSTRUCTED IN ACCORDANCE WITH HCC STANDARD DETAIL HCC10/C/045A.
- ADAPTABLE ASPHALT FOOTWAY VEHICLE CROSSING POINTS TO BE CONSTRUCTED IN ACCORDANCE WITH HCC STANDARD DETAIL HCC10/C/055A.
- PEDESTRIAN CROSSING POINTS UTILISING TACTILE PAVING TO BE CONSTRUCTED IN ACCORDANCE WITH HCC STANDARD DETAIL HCC10/C/060.
- TIMBER KNEE RAILS TO BE CONSTRUCTED IN ACCORDANCE WITH HCC STANDARD DETAIL HCC10/M/060.
- ADAPTABLE HIGHWAY GULLIES TO BE CONSTRUCTED IN ACCORDANCE WITH HCC STANDARD DETAIL HCC10/D/015.
- GRASS VERGES IN AREAS OF EX. HIGHWAY TO BE FORMED USING MIN. 100–150mm GOOD QUALITY TOPSOIL, WITH SEEDED MIX TO HCC 'GENERATION 3 CIVIL ENGINEERING, HIGHWAYS AND TRANSPORTATION INFRASTRUCTURE WORKS FRAMEWORK TWO 2016 TO 2020' APPENDIX 6/8 FOR TOPSOILING AND APPENDIX 30/5 FOR SEEDING. AREAS OF EXISTING HIGHWAY SUB-BASE TO BE BROKEN OUT AND REPLACED WITH COMPACTED AS-DUG SITE MATERIAL.

- NOTES –
1. GRANULAR MATERIAL* TYPE 2 MAY ONLY BE USED WITH THE APPROVAL OF THE ENGINEER.
 2. FINAL THICKNESS MAY BE DETERMINED BY SITE CBR VALUES. ALL FORMATION STRATA TO BE PROOF ROLLED TO THE SATISFACTION OF THE ENGINEER.
 3. SPECIFICATION FOR CONSTITUENT MATERIALS, MIXTURES, TRANSPORT, LAYING & COMPACTION OF ROLLED ASPHALT FOR ROADS & PAVED AREAS ARE TO COMPLY TO BS 594 PART 1 & 2 1985

CBR TABLE – (HAMPSHIRE)			
CBR VALUE	CAPPING	SUB-BASE	TOTAL SUB-BASE
15–30%	----	150mm	150mm
5–15%	----	225mm	225mm
2–5%	350mm	150mm	400mm**
LESS THAN 2	600mm	150mm	N/A

** – THERE MAY BE SOME CIRCUMSTANCES WHERE SUB-BASE ONLY CONSTRUCTION WILL NOT BE ACCEPTABLE IN THIS CATEGORY.

HCC ENGINEER TO APPROVE FORMATION LEVEL.

GULLY CONNECTIONS:

- NEW GULLY CONNECTIONS:
- A – NEW GULLIES IN KINGSCLEERE AVE TO BE CONNECTED INTO EXISTING HIGHWAYS DRAINAGE SYSTEM VIA 150mm DIA SADDLED CLAY CONNECTION, ADJACENT MERRYFIELD AVENUE (CONNECTIONS SHOWN ARE INDICATIVE ONLY).
 - EXCAVATIONS AND NEW CONNECTION TO BE REINSTATED IN ACCORDANCE WITH HCC STANDARD DETAIL HCC10/C/090 A.
 - B – NEW GULLIES WITH S278 WORKS TO BE CONNECTED INTO THE NEW 300mm DIA SURFACE WATER SEWER VIA 150mm DIA SADDLED CLAY CONNECTIONS.
- EXISTING GULLY CONNECTIONS:
- WHERE EXISTING ROAD GULLY IS TO BE REMOVED, IT SHALL BE BROKEN DOWN TO THE TOP OF THE GULLY POT AND WET LEAN CONCRETE FILLED.
EXISTING SURFACE TO BE REINSTATED IN ACCORDANCE WITH HCC STANDARD DETAIL HCC10/C/090 A.

- Notes
1. THIS DRAWING IS COPYRIGHT & MUST NOT BE DISCLOSED TO THIRD PARTIES WITHOUT OUR PERMISSION.
 2. SCALED DIMENSIONS ARE NOT TO BE USED FOR CONSTRUCTION.

P3	23.03.17	MRP	UPDATED TO HCC COMMENTS
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rev.	date	dm	description

Project
KINGSCLEERE AVENUE
HAVANT

HIGHWAYS DETAILS
SHEET 4



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