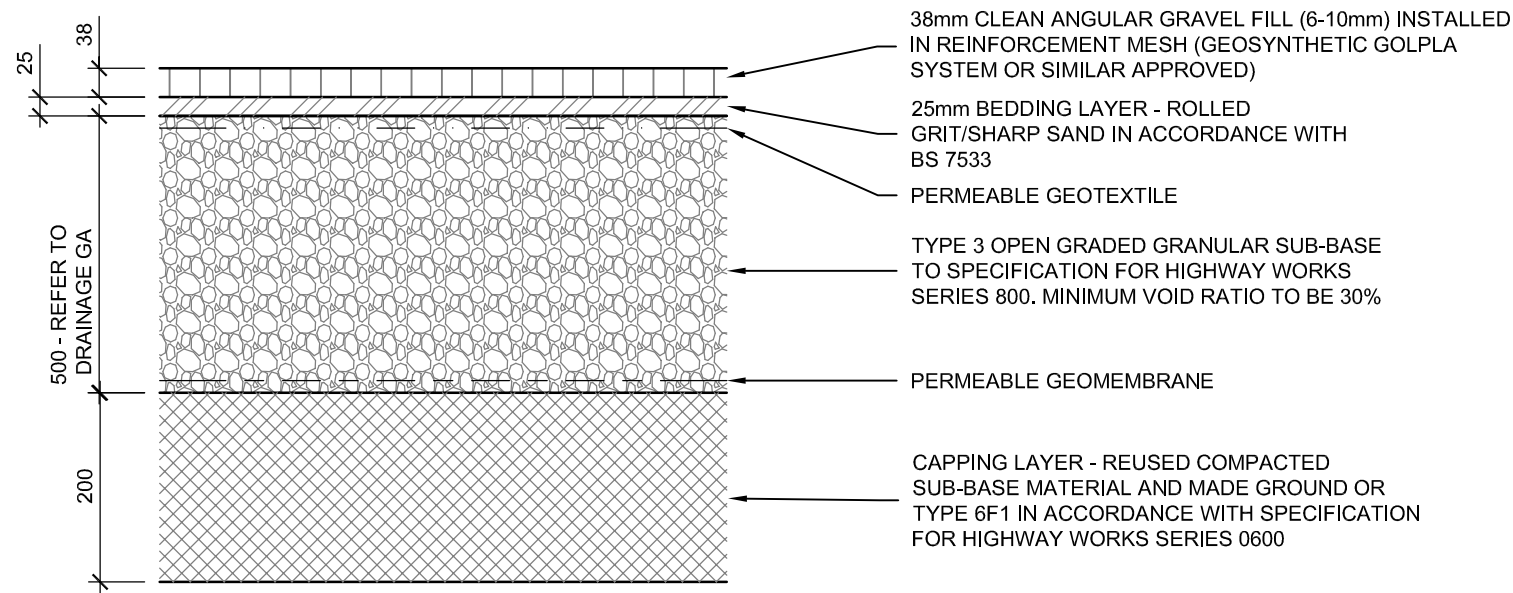


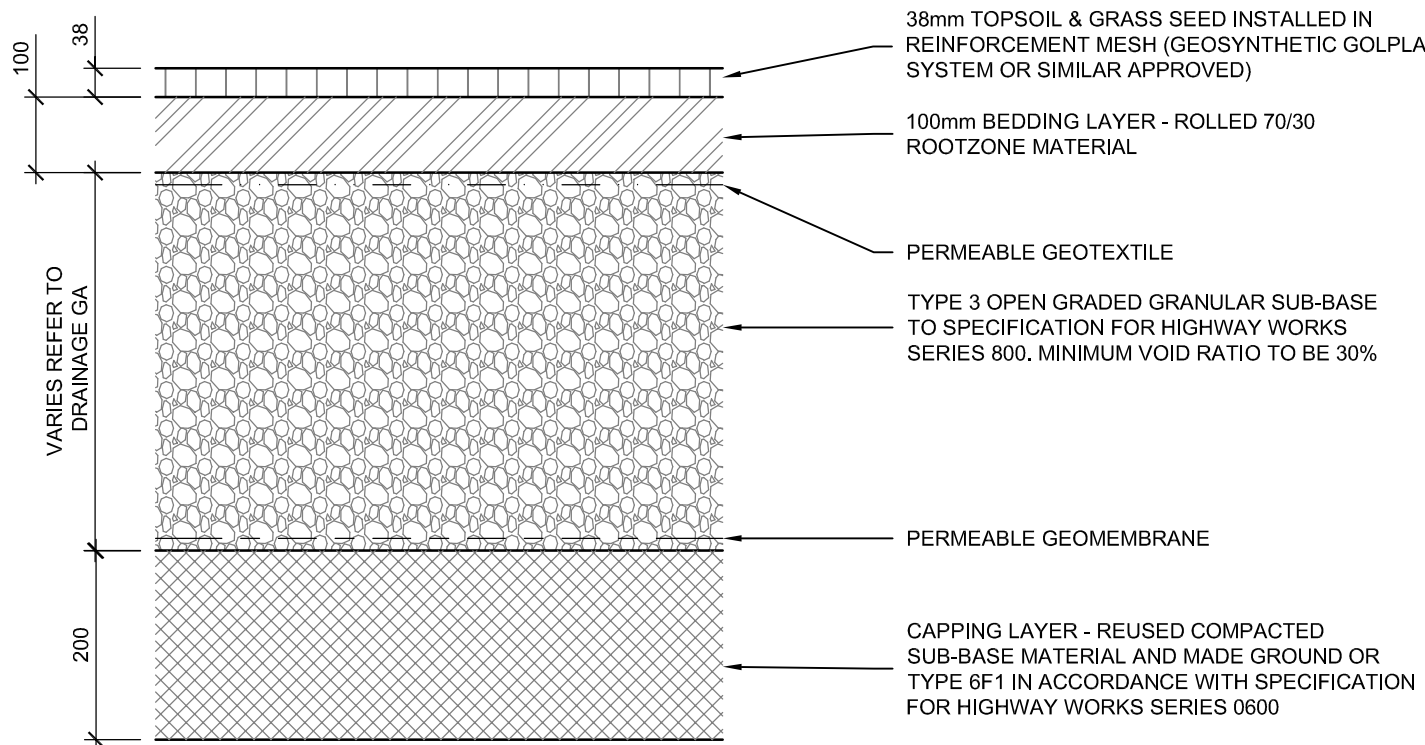


- DESIGN BASED ON:
- THIS DESIGN IS BASED ON BS 7533-13:2009, SYSTEM C;
 - VEHICULAR LOADING CATEGORY B/CAR PARKING - EMERGENCY HGV LOADING ONLY;
 - NO ALLOWANCE HAS BEEN MADE FOR CONSTRUCTION TRAFFIC;
 - A SUB-GRADE CBR OF 4% AT FORMATION LEVEL HAS BEEN ASSUMED, AS RECOMMENDED IN SITE INVESTIGATION UNDERTAKEN BY LAND SCIENCE DURING MAY 2022;
 - THE DEPTH OF SUB-BASE IS TO BE CONSTRUCTED BASED ON HYDRAULIC REQUIREMENTS AND DRAINAGE DESIGN. REFER TO DRAINAGE GA FOR FURTHER INFORMATION;
 - PERFORATED COLLECTOR PIPES TO BE LOCATED AT OR BELOW BOTTOM LEVEL OF SUB-BASE TO CONVEY WATER. REFER TO DRAINAGE GA FOR LOCATIONS;
 - BOTTOM OF THE SUB-GRADE SHOULD BE LAID AT A FALL OF 1:200 TOWARDS THE PERFORATED COLLECTOR PIPE.

ADJUSTMENT OF CAPPING LAYER BS 7533-13:2009:

CBR (%)	THICKNESS (MM)
1	600
2	350
3	250
4	200
5+	150

TYPICAL CARK PARK
PERMEABLE REINFORCED GRAVEL SURFACE BUILD-UP

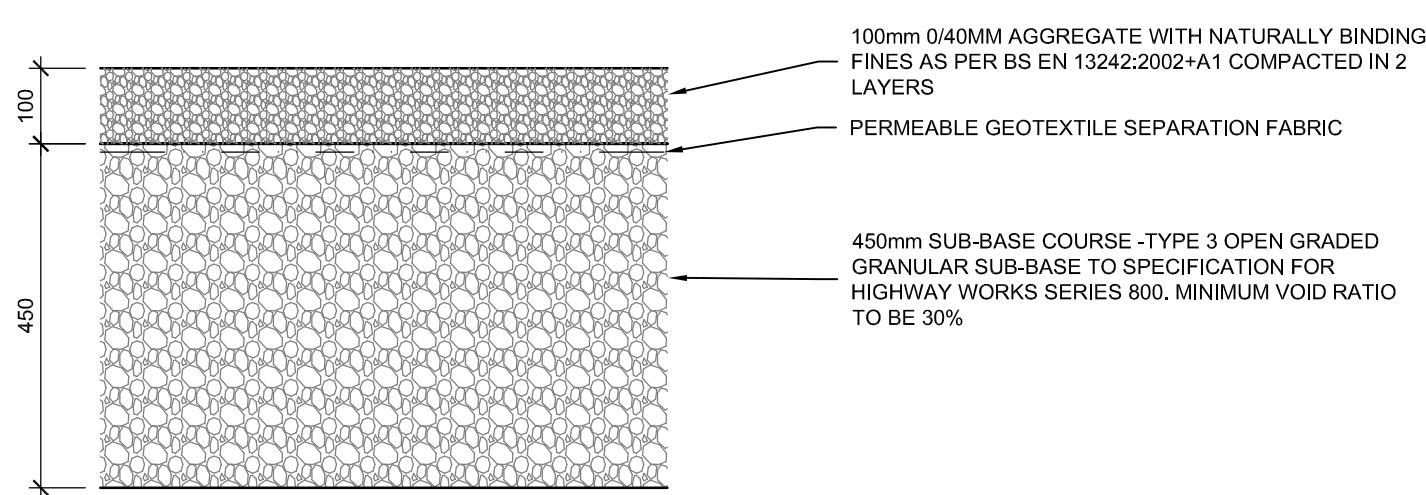


- DESIGN BASED ON:
- THIS DESIGN IS BASED ON BS 7533-13:2009, SYSTEM C;
 - VEHICULAR LOADING CATEGORY B/CAR PARKING - EMERGENCY HGV LOADING ONLY;
 - NO ALLOWANCE HAS BEEN MADE FOR CONSTRUCTION TRAFFIC;
 - A SUB-GRADE CBR OF 4% AT FORMATION LEVEL HAS BEEN ASSUMED, AS RECOMMENDED IN SITE INVESTIGATION UNDERTAKEN BY LAND SCIENCE DURING MAY 2022;
 - THE DEPTH OF SUB-BASE IS TO BE CONSTRUCTED BASED ON HYDRAULIC REQUIREMENTS AND DRAINAGE DESIGN. REFER TO DRAINAGE GA FOR FURTHER INFORMATION;
 - PERFORATED COLLECTOR PIPES TO BE LOCATED AT OR BELOW BOTTOM LEVEL OF SUB-BASE TO CONVEY WATER. REFER TO DRAINAGE GA FOR LOCATIONS;
 - BOTTOM OF THE SUB-GRADE SHOULD BE LAID AT A FALL OF 1:200 TOWARDS THE PERFORATED COLLECTOR PIPE.

ADJUSTMENT OF CAPPING LAYER BS 7533-13:2009:

CBR (%)	THICKNESS (MM)
1	600
2	350
3	250
4	200
5+	150

TYPICAL CARK PARK
PERMEABLE REINFORCED GRASS SURFACE BUILD-UP

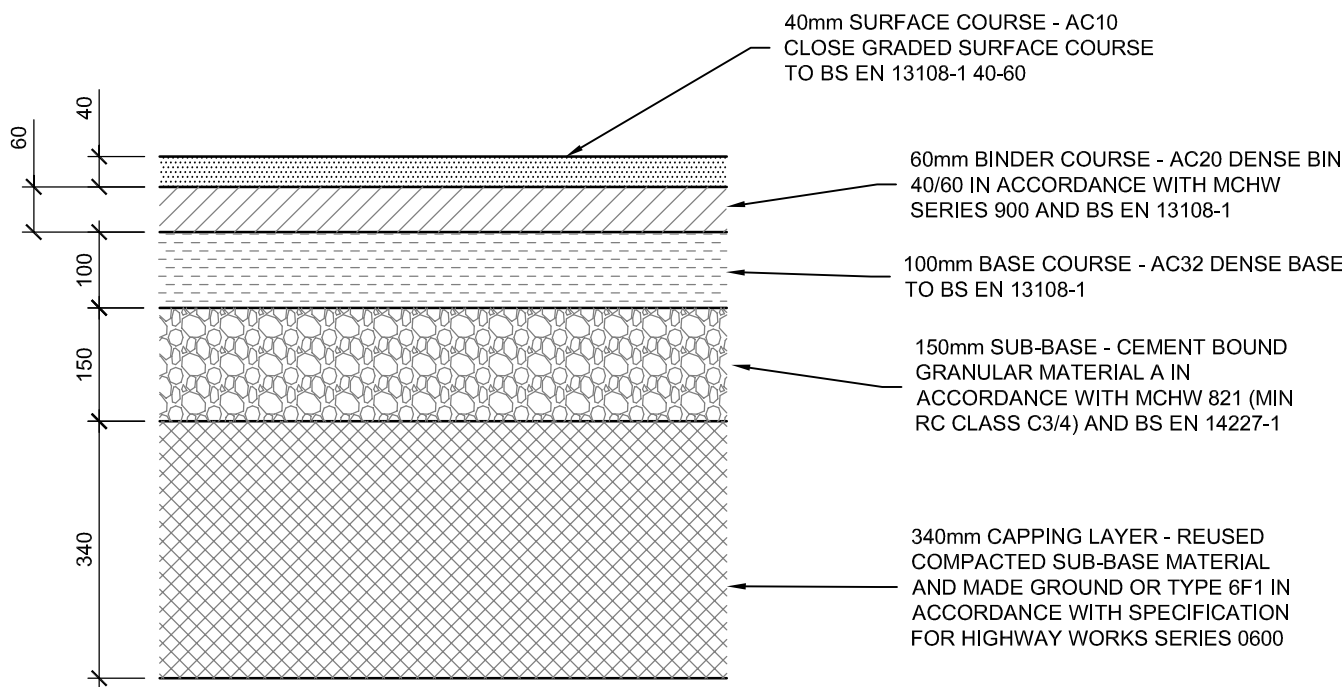


- DESIGN BASED ON:
- THIS DESIGN IS BASED ON BS EN 7533-13: 2009; SYSTEM A
 - TRAFFIC CATEGORY B, FOOTWAYS WITH OCCASIONAL OVERRUN;
 - A SUB-GRADE CBR OF 4% AT FORMATION LEVEL HAS BEEN ASSUMED, TO BE CONFIRMED ON SITE.

ADJUSTMENT OF SUB-BASE BS 7533-13:2009:

CBR (%)	THICKNESS (MM)
1	650
2	525
3	475
4	450
5+	350

TYPICAL GRAVEL ROAD BUILD-UP
VEHICLE LOADED AREAS



- DESIGN BASED ON:
- THIS DESIGN IS BASED ON DMRB CD 225 (SUB-BASE ON CAPPING) AND CD236;
 - FOUNDATION CLASS 2 AND DESIGN SUB-GRADE MODULUS 40MPa ASSUMED, TO BE CONFIRMED ON SITE.

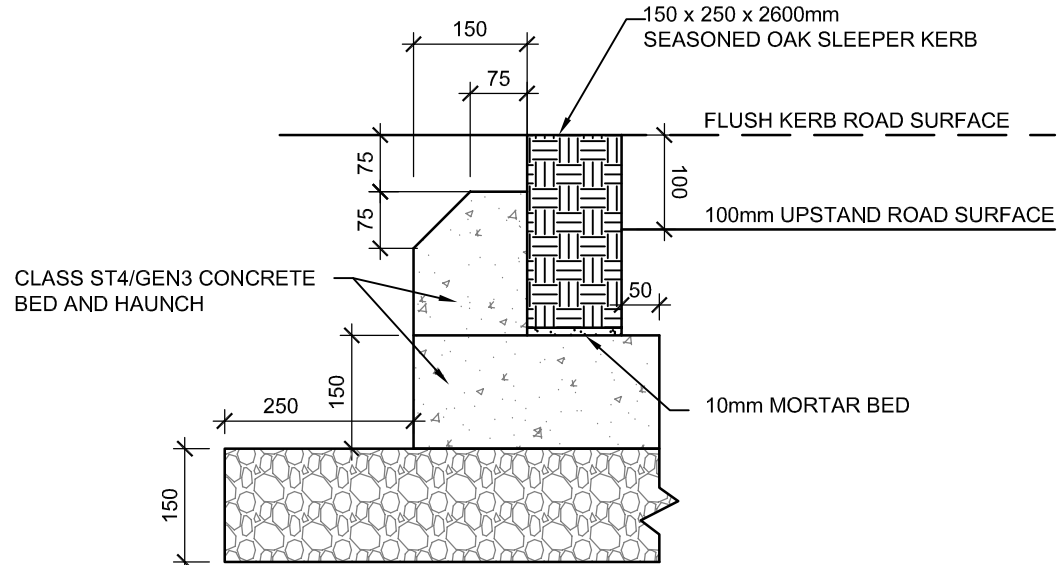
ADJUSTMENT OF SUB-BASE/CAPPING LAYERS CD225 FIGURE 3.2:

DESIGN SUB-GRADE SURFACE MODULUS (MPa)	THICKNESS (MM)
30	150/420
50	150/250
70	150/210
90	150/170
100+	150/150

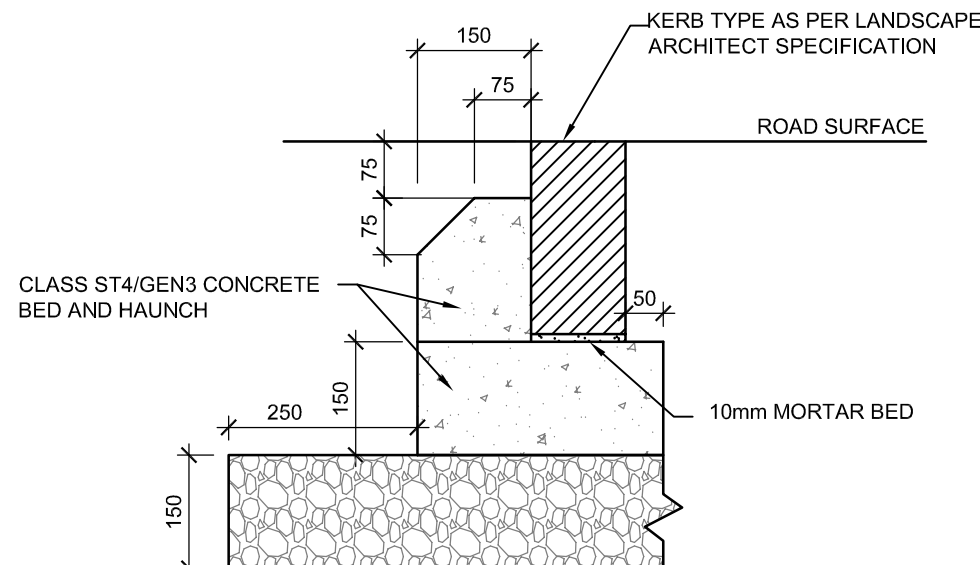
NOTE: ASPHALT CONCRETE MIXTURES TO CONSIST OF MAXIMUM 25% RECLAIMED ASPHALT TO BSI PD 6601, B.2.4.4

NOTE: BOND COATS CONFIRMING TO BS 594987 SHALL BE APPLIED BETWEEN ALL BOUND LAYERS OF THE CARRIAGEWAY PAVEMENT AT THE RATES OF SPREAD SPECIFIED IN BS594987.

ASPHALT ROAD BUILD-UP



TYPICAL TIMBER SLEEPER KERB DETAIL



TYPICAL FLUSH CONCRETE KERB DETAIL

HEALTH AND SAFETY INFORMATION

CONSTRUCTION
THIS DRAWING SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES.

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING:

MAINTENANCE/CLEANING/OPERATION
MAINTENANCE OF SUDS FEATURES AND THE DRAINAGE SYSTEM SHOULD BE CARRIED OUT IN ACCORDANCE WITH THE CIRIA SUDS MANUAL AND MANUFACTURERS SPECIFICATIONS

DECOMMISSIONING/DEMOLITION
REFER TO DRAWING FOR EXTENT OF EXISTING SITE DRAINAGE TO BE ABANDONED/REMOVED

NOTES

1. DO NOT SCALE FROM THIS DRAWING. ONLY FIGURED DIMENSIONS ARE TO BE USED.
2. ALL DIMENSIONS ARE IN MILLIMETRES U.N.O.
3. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM U.N.O.
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
5. ALL KERBS AND EDGINGS BED AND BACKING TO BE CONCRETE CLASS ST4/GEN3, WELL COMPACTED, UNLESS STATED OTHERWISE BEDDING AND BACKING SHALL BE A MINIMUM THICKNESS OF 150mm.
6. REFER TO LANDSCAPE ARCHITECT DRAWING LLD2475-LAN-DWG-011 FOR PAVEMENT LAYOUT.
7. A MINIMUM POLISHED STONE VALUE (PSV) OF 50 IS REQUIRED TO PROVIDE SUFFICIENT SKID RESISTANCE FOR SURFACE COURSES IN VEHICULAR LOADED AREAS AS PER TABLE 4 OF BS 7533-10/1.
8. FORMATION LEVEL TO HAVE A MIN CBR OF 2%.

KEY

P6	REVISED ISSUE FOR FINAL TENDER	RS	RW	RW	22.03.2023
P5	GRAVEL ROAD UPDATED	DL	RW	RW	01.02.2023
P4	DETAILS UPDATED AS PER LANDSCAPING PLANS	DL	RW	RW	04.10.2022
P3	DETAILS UPDATED AS PER LANDSCAPING PLANS	DL	RW	RW	13.09.2022
P2	REISSUE	DL	RW	RW	25.08.2022
P1	PRELIMINARY ISSUE	RW	RW	RS	30.05.2022
REV	DESCRIPTION	DRN	CHK	APP	DATE

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CLIENT

EASTLEIGH BOROUGH COUNCIL

PROJECT

ITCHEN VALLEY
COUNTRY PARK

PRELIMINARY

DRAWING TITLE

PAVEMENT DETAILS

DATE	30.05.22	SCALES @ A1	NTS	DRAWN BY	RW	CHECKED	RW	APPROVED	RS
DRAWING NUMBER	P450815-WW-IV-XX-DR-C-4101							REVISION	P6