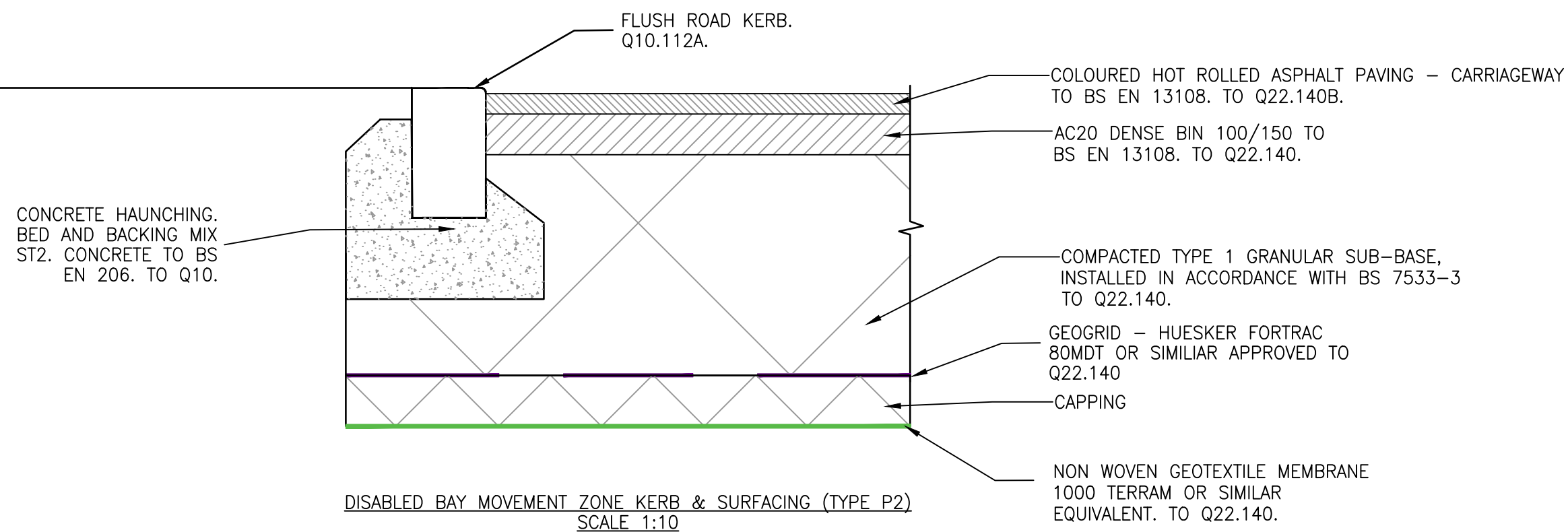
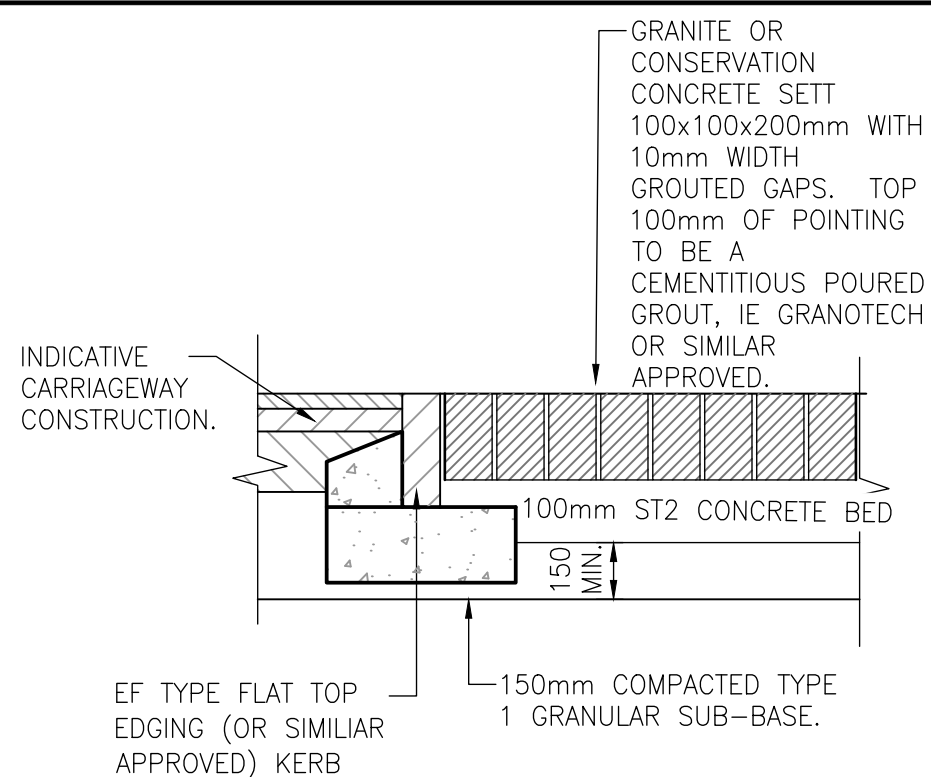


File name: \\UK.VSP\GROUP\COMMON\CENTRAL\DATA\PROJECTS\70057126-XX-XX-DR-CE-0105-CONSTRUCTION DETAILS.DWG, printed on 15 September 2022 09:40:23, by Thomson, Robert

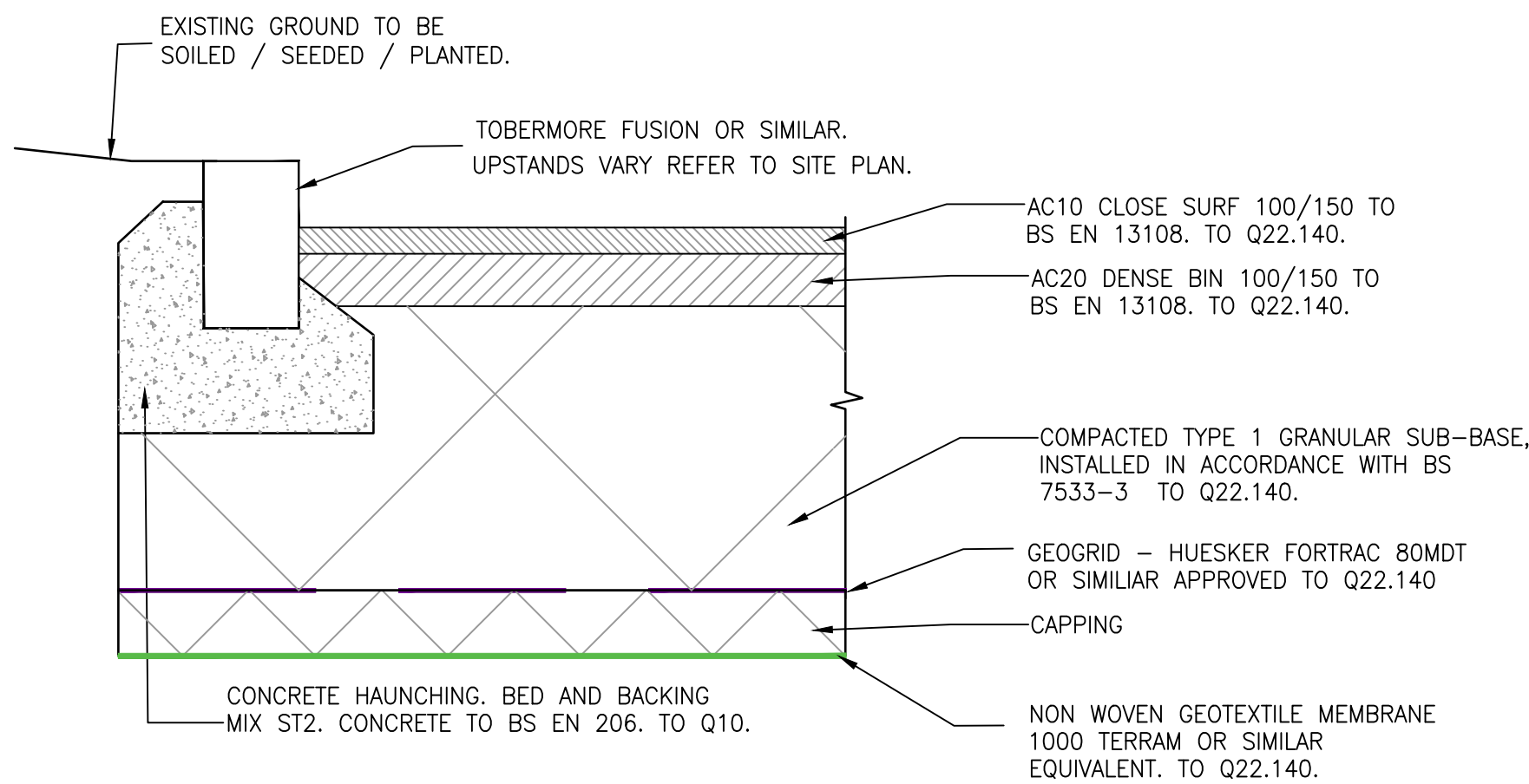


DISABLED BAY MOVEMENT ZONE KERB & SURFACING (TYPE P2)
SCALE 1:10

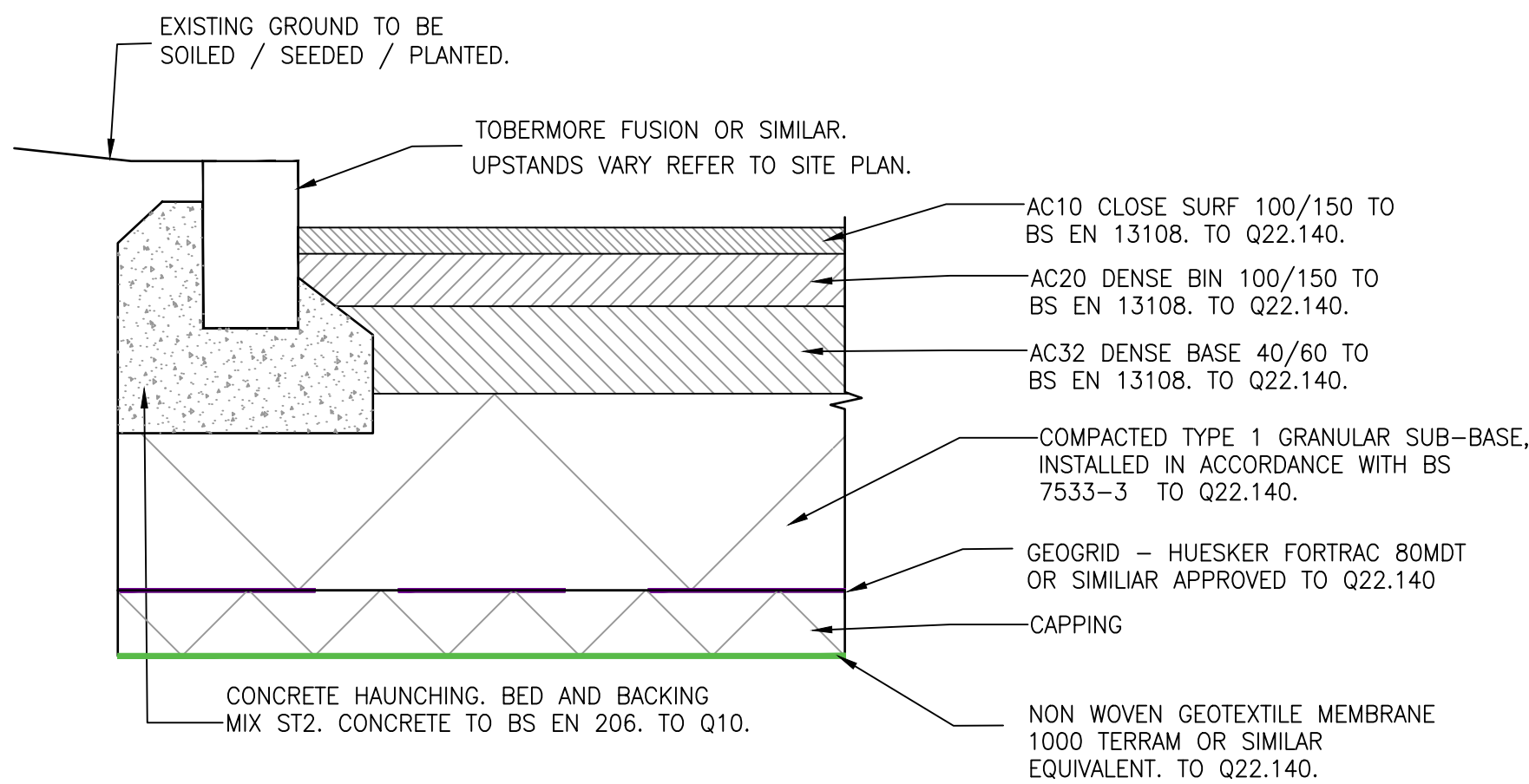


CAR PARK SURFACING P4
NOT TO SCALE

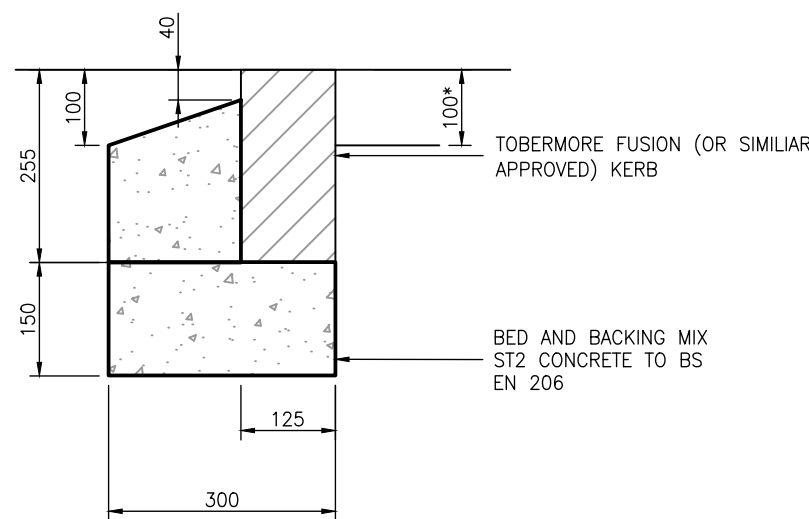
VERTICAL FACES OF COLD BITUMINOUS MATERIALS TO BE PAINTED WITH HOT BITUMINOUS BINDER OF NOT LESS THAN 40/60 PEN. ALL HORIZONTAL OR INCLINED EXISTING SURFACES TO ACCEPT BITUMINOUS MATERIALS TO BE PREPARED WITH A BOND COAT IN ACCORDANCE WITH BS 594987.



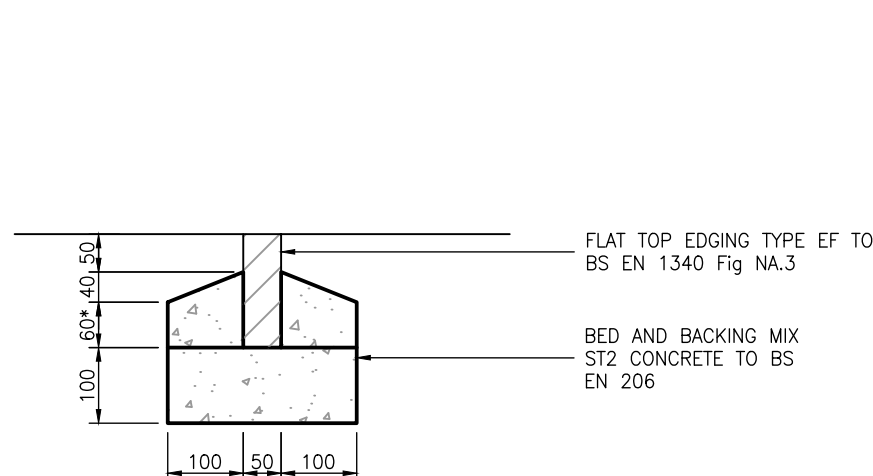
NEW CAR PARK KERB & SURFACING (TYPE P1)
SCALE 1:10



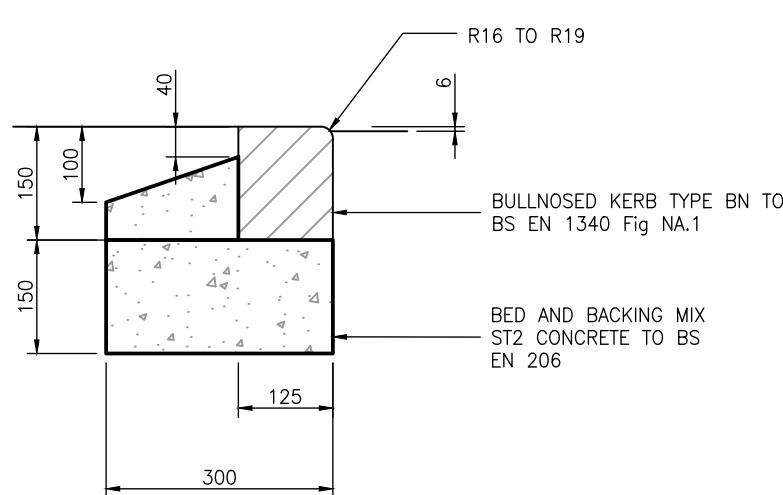
HEAVY DUTY CAR PARK KERB & SURFACING (TYPE P3)
SCALE 1:10



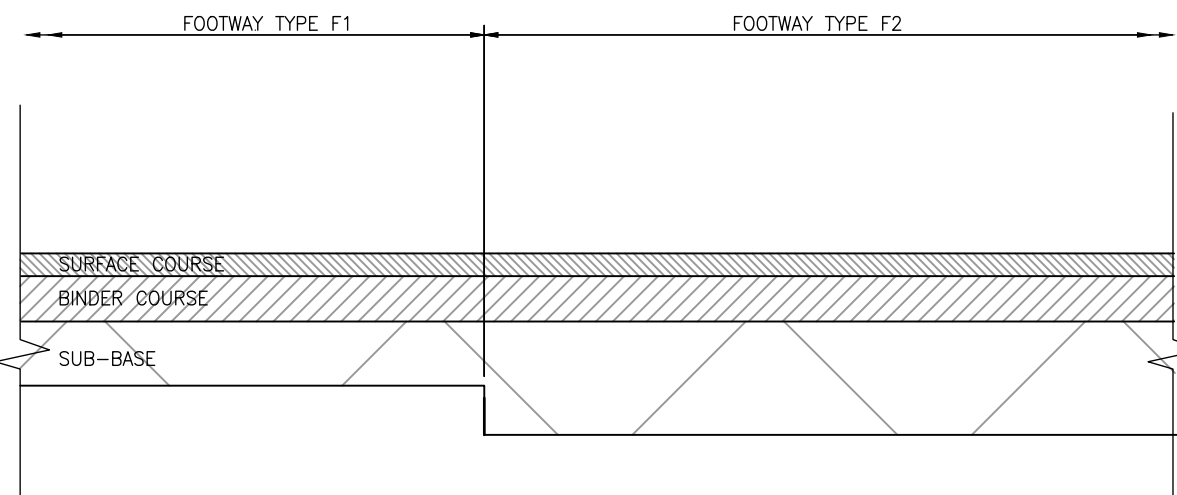
TOBERMORE FUSION (OR SIMILAR APPROVED) KERB
1:10 SCALE



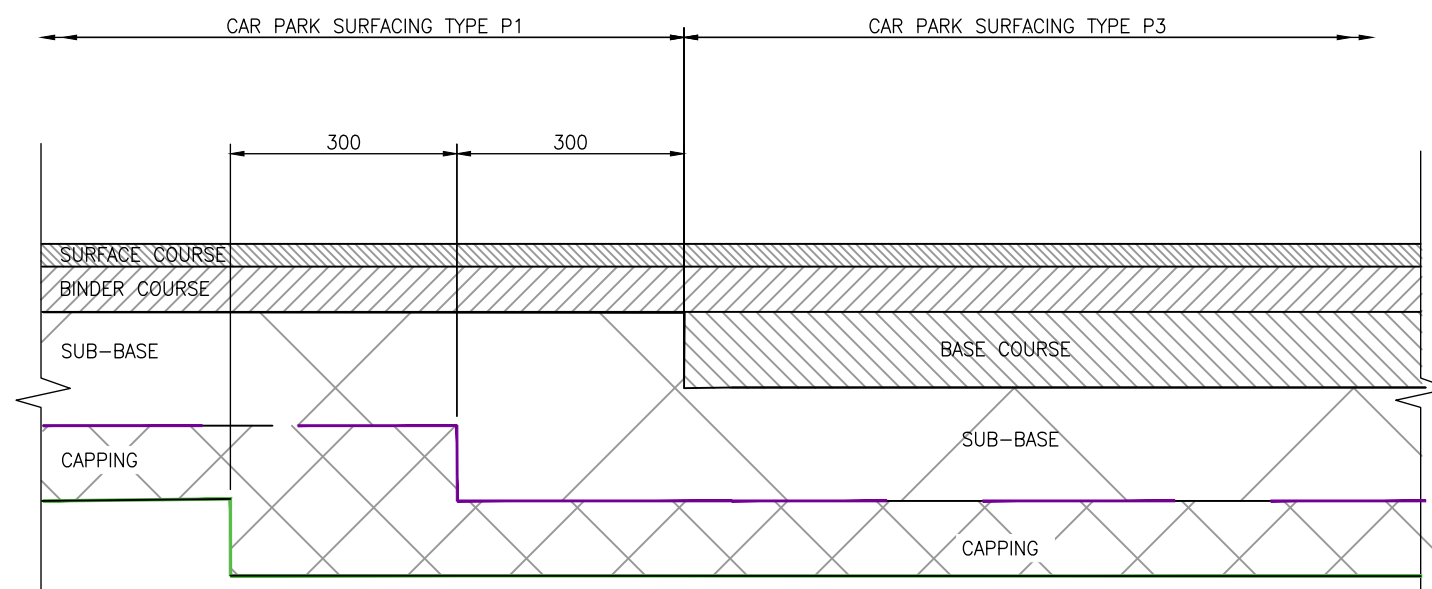
EF TYPE FLAT TOP EDGING
1:10 SCALE



FLUSH BN TYPE KERB
1:10 SCALE



INTERFACE BETWEEN FOOTWAYS TYPE F1 AND F2
1:10 SCALE



INTERFACE BETWEEN CAR PARK SURFACING TYPE P1 AND P3
1:10 SCALE

CAR PARK CONSTRUCTION (OPTION P1/P2)					
LAYER	CLAUSE	MATERIAL	BINDER	THICKNESS	SPECIAL REQUIREMENTS
SURFACE COURSE	PD 6691 ANNEX B OR 6691 ANNEX D	AC10 CLOS SURF OR SMA 6 SURF 40/60 PEN	100/150	40mm	P2 SURFACE COURSE TO BE BUFF COLOURED
BINDER COURSE	929	AC 20 DENSE BINDER	40/60 PEN	60mm	-
SUB-BASE	805	TYPE 1	N/A	150mm	TBC BASED ON CBR'S
GEOGRID	-	HUESKER FORTRAC 80MDT OR SIMILAR APPROVED	N/A	-	-
CAPPING	-	6F2	N/A	100mm	SUBJECT TO MANUFACTURER'S DETAILS
GEOTEXTILE MEMBRANE	-	NON WOVEN GEOTEXTILE MEMBRANE 1000 TERRAM OR SIMILAR EQUIVALENT, TO Q22.140	N/A	-	-

CAR PARK CONSTRUCTION (OPTION P4)					
LAYER	CLAUSE	MATERIAL	BINDER	THICKNESS	SPECIAL REQUIREMENTS
SURFACE COURSE	942	BLOCK PAVING	-	100mm	-
BEDDING COURSE	929	ST2 CONCRETE BED	-	100mm	-
SUB-BASE	805	TYPE 1	N/A	150mm	TBC BASED ON CBR'S

VERGE SPECIFICATION

TOPSOIL CLASS 5A OR 5B TO CL.618, GROUND PREPARATION IN ACCORDANCE WITH CL.3004 SUB CLAUSES 8-11, SEEDING/TURFING TO CL.3005, SEED MIX FOR SEEDING OR TURFING TO BE APPROVED BY THE ENGINEER.

CAR PARK CONSTRUCTION (OPTION P3)					
LAYER	CLAUSE	MATERIAL	BINDER	THICKNESS	SPECIAL REQUIREMENTS
SURFACE COURSE	PD 6691 ANNEX B OR 6691 ANNEX D	AC10 CLOS SURF OR SMA 6 SURF 40/60 PEN	40/60 PEN OR PMB	40mm	-
BINDER COURSE	929	AC 20 DENSE BINDER	150/100 PEN	60mm	-
BASE	929	AC32	40/60 PEN	80mm	-
SUB-BASE	805	TYPE 1	N/A	150mm	TBC BASED ON CBR'S
GEOGRID	-	HUESKER FORTRAC 80MDT OR SIMILAR APPROVED	N/A	-	-
CAPPING	-	6F2	N/A	100mm	SUBJECT TO MANUFACTURER'S DETAILS
GEOTEXTILE MEMBRANE	-	NON WOVEN GEOTEXTILE MEMBRANE 1000 TERRAM OR SIMILAR EQUIVALENT, TO Q22.140	N/A	-	-

FOOTWAY CONSTRUCTION (OPTION F1/F2)					
LAYER	CLAUSE	MATERIAL	BINDER	THICKNESS	SPECIAL REQUIREMENTS
SURFACE COURSE	909	AC 6 DENSE SURF	-	20mm	-
BINDER COURSE	906	AC 20 DENSE BIN REC	-	50mm	-
SUB-BASE	803	TYPE 1	N/A	100mm (F1) / 200mm (F2)	-

DO NOT SCALE

NOTES:

- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT DOCUMENTATION, DRAWINGS AND STANDARD DETAILS.
- THIS DRAWING IS NOT TO BE REPRODUCED IN ANY PART OF FORM WITHOUT PRIOR CONSENT FROM WSP UK LIMITED, ALL COPY RIGHT RESERVED.
- DO NOT SCALE FROM THIS DRAWING, IF IN DOUBT CONTACT WSP UK LIMITED.
- PAVEMENT BUILD-UPS TO KNOWSLEY BOROUGH COUNCIL REQUIREMENTS, CONFIRMED IN EMAILS DATED 8TH JULY & 20TH MAY 2022, REFER TO WSP DESIGN RISK MANAGEMENT SCHEDULE T446

IMPORTANT NOTE:

DBM MEDIUM DUTY CAR PARKING AREAS SHOWING A LAYER OF TENSAR TRIAX TX GEOGRID WITHIN THE TYPE 1 FOUNDATION. THIS IS AN INDICATIVE ARRANGEMENT FOR TENDER ONLY, IT WILL NEED TO BE SUBJECT TO FULL DETAILED DESIGN. THE DETAILED DESIGN SHOULD BE UNDERTAKEN BY THE MANUFACTURE AND WILL MOST LIKELY REQUIRE FURTHER GI (AS RECOMMENDED IN THE GI REPORT ALSO).

THE FOLLOWING ASSUMPTIONS ARE:

- DESIGN IS BASED ON INDICATIVE TENSAR ARRANGEMENT FOR SPANNING VOIDS, SUCH AS THOSE CAUSED BY OLD MINES. IT DOES NOT NECESSARILY PREVENT FAILURE BUT RATHER GIVES SUFFICIENT WARNING BY CONTROLLING THE RATE OF COLLAPSE TO ALLOW REMEDIAL ACTIONS TO BE TAKEN TO SECURE PUBLIC SAFETY.
- THE GEOGRID NEEDS TO BE SANDWICHED BETWEEN GRANULAR LAYERS. AN INCREASE OF THE FOUNDATION DEPTH BY 100mm (THE MINIMUM TYPE 1 CAN BE EFFECTIVELY LAID).
- THE DETAILED DESIGN SHOULD BE UNDERTAKEN BY TENSAR AND SUBJECT TO ADDITIONAL GI AS PER PHASE 1 GI RECOMMENDATIONS. NOTE THAT TENSAR MAY PROMOTE A DIFFERENT SYSTEM THAT THEY FEEL IS MORE APPROPRIATE.
- TERRAM TYPE GEOTEXTILES (AS CURRENTLY SHOWN ON THE DRAWING) ARE PRIMARILY USED AS A SEPARATION LAYER TO PREVENT FINES FROM THE SUBGRADE MIXING WITH THE GRANULAR FOUNDATION. UNLESS THERE IS A NEED FOR THIS SEPARATE LAYER IT CAN BE OMITTED.

P01	09/09/22	PN	FIRST ISSUE	Thomson, Robert	09/09/2022
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: S2 - FOR INFORMATION



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CLIENT: KMBC

ARCHITECT: -

SITE/PROJECT: WINDY ARBOR ROAD

TITLE: CONSTRUCTION DETAILS

SCALE @ A1:	AS SHOWN	CHECKED:	RT	APPROVED:	RT
PROJECT NO:	70057126	DESIGNED:	GLG	DRAWN:	GLG
DATE:	September 22	REV:	P01		

DRAWING NO: 70057126-WSP-XX-XX-DR-CE-0105

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