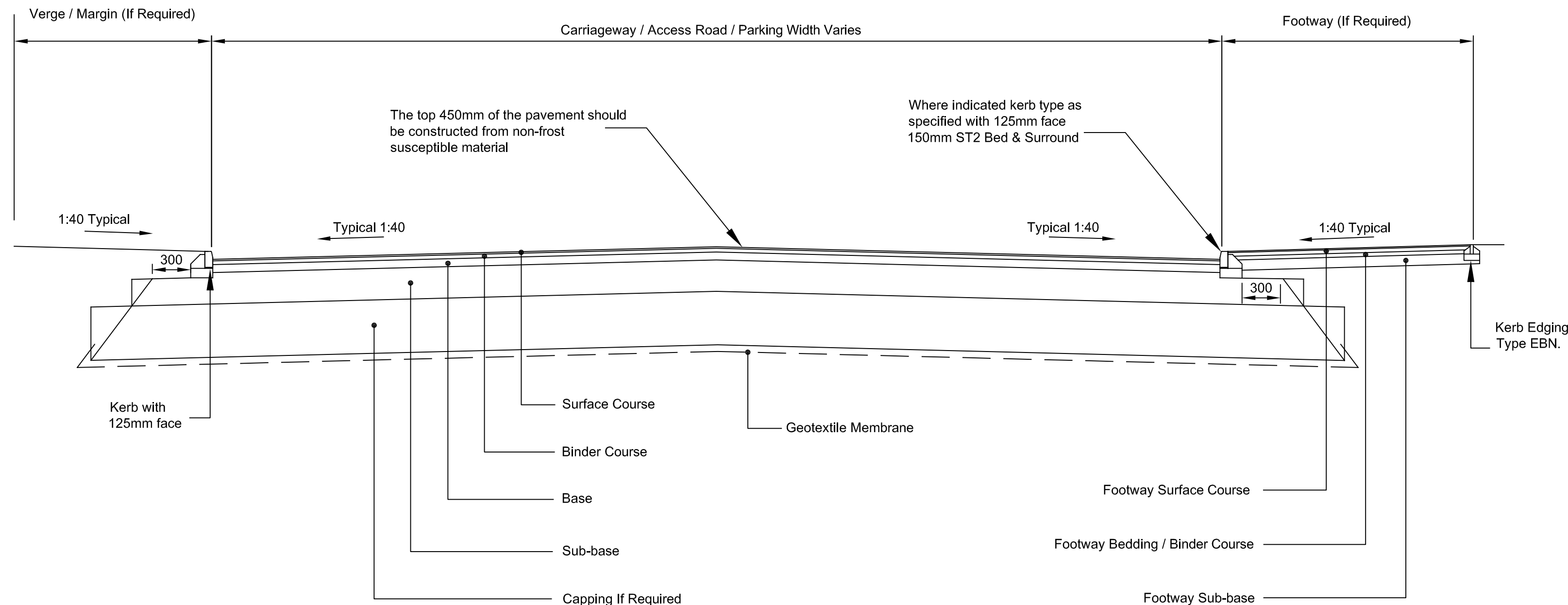




Capping Thickness
(In accordance with DMRB HD 25/94)
If required.

Cbr	Capping	Sub-base Only
< 2.0%	600mm	150mm
2.0 - 5.0%	350mm	150mm
>5.0%	0mm	255mm

Capping Material 6F1 /
6F2 Or 6F4 / 6F5 to
SHW Table 6.1

BITUMINOUS ACCESS ROAD CONSTRUCTION

Layer	Clause	Material	Binder Pen	Thickness	Special Requirements
Surface Course	912	Close Graded Surface Course	100/150	30mm	0/14mm Aggregate To BS 4987 Cl 7.3 Min Psv 60 (AC 14 Close Surf 100 /150 PSV 60 To EN 13108)
Binder Course	906	Dense Macadam Binder	100/150	60mm	0/20mm Aggregate to BS 4987 Cl 6.5. (AC 20 Dense Bin 100 /150 to EN 13108)
Base Course	906	Dense Macadam Base	100/150	90mm	0/32mm Aggregate to BS 4987, Cl 5.1. (AC 32 Dense Base/bin 100 /150 to EN 13108)
Sub-base	803	Type 1	N/A	255mm	Refer to table for Capping & Sub-base requirements (Capping requirements based on recent CBR Tests, CBR Values and capping requirements to be confirmed at formation by Contractor testing)
Capping	613	6F	N/A	0mm	
Geotextile Membrane	N/A	Terram Nonwoven	N/A	N/A	

BITUMINOUS FOOTWAY CONSTRUCTION (IF REQUIRED)

Layer	Clause	Material	Binder	Thickness	Special Requirements
Surface Course	909	Dense Macadam Surface Course	100/150	20 mm	BS 4987: Pt 1: CL 7.5 0/6mm Aggregate (AC 6 Dense Surf 100 /150 to EN 13108)
Binder Course	906	Dense Macadam Binder Course	100/150	60 mm	BS 4987: PT 1: CL 6.5 0/20mm Aggregate (AC 20 Dense bin 100 /150 to EN 13108)
Base	—	—	—	—	—
Sub Base	803	Granular Sub Base Type 1	-	150 mm	Sub Base thickness to be increased to 200mm at vehicle crossovers refer to table for papping requirements

RESIN BONDED FOOTWAY CONSTRUCTION

Layer	Clause	Material	Binder	Thickness	Special Requirements
Surface Course	-	Resin Bonded Gravel	-	5 Mm	Specification To Be Confirmed With Landscape Architects
Laying Course	909	Dense Macadam Surface Course	100/150 Pen	20 Mm	BS 4987: Pt 1: Cl 7.5 0/6mm Aggregate (AC 6 Dense Surf 100 /150 To EN 13108)
Binder Course	906	Dense Macadam Binder Course	100/150 Pen	60 Mm	BS 4987: Pt 1: Cl 6.5 0/20mm Aggregate (AC 20 Dense Bin 100 /150 To EN 13108)
Base	—	—	—	—	—
Sub Base	803	Granular Sub Base Type 1	-	150 Mm	Sub base thickness to be increased to 200mm at vehicle crossovers refer to table for capping requirements

VERGE / MARGIN / LANDSCAPE CONSTRUCTION

150mm topsoil Class 5B. SHW (To be confirmed with landscape architect)

BLOCK PAVED FOOTWAY CONSTRUCTION

Layer	Clause	Material	Binder	Thickness	Special Requirements
Surface Course	1107	Concrete Block / Tactile Paving	-	60 mm	Colour, type and laying pattern to be specified by Landscape Architect
Laying Course	1104.4	Sharp Sand	-	50 mm	To BS 7533 Part 3 Compacted Thickness
Sub Base	803	Granular Sub Base Type 1	-	150 mm	Sub Base thickness to be increased to 200mm at vehicle crossovers refer to table for capping requirements

GRANULAR FOOTPATH CONSTRUCTION

Layer	Clause	Material	Binder	Thickness	Special requirements
Surface course	-	Granular material (refer to landscape details)	-	60 mm	Exact details to be confirmed with Landscape Architect
Laying course	1104.4	Sharp sand	-	50 mm	To BS 7533 Part 3 compacted thickness
Sub base	803	Granular sub base Type 1	-	150 mm	Sub base thickness to be increased to 200mm at areas subject to vehicle use (adjcent to the emergency exit)
Capping	613	6F	N/A	TBC	Refer to table for capping & sub-base requirements (Max site CBR assumed to be 2-5%)

POROUS BLOCK PAVING CONSTRUCTION

Layer	Clause	Material	Binder	Thickness	Special requirements
Surface course	-	Permeable concrete block paving	-	80mm	Details specified by Landscape Architect
Laying course	-	2-6mm clean stone	-	50 mm	Refer to specification
Permeable membrane	-	Inbitex by terram	-		Refer to specification
Upper sub base	-	5-20mm clean stone	-	100 mm	Refer to specification
Lower sub base	-	10-63mm clean stone	-	250 mm	Sc intergrid to be provided with 100mm cover
Permeable membrane	-	Sc membrane by terram	-		To be tanked to top of surface course
Capping	613	6F	N/A	TBC	Refer to table and plan for capping requirements

CONCRETE PAVEMENT CONSTRUCTION

Layer	Clause	Material	Binder pen	Thickness	Special requirements
Surface course	1001	32 / 40 reinforced concrete	N/A	200mm	2.61kg/m ² mesh reinforcement with 50mm cover. Expansion joints at 10m centres. Brush surface texture
Separation layer	1007	-	-	-	Details of membrane to be forwarded by Contractor
Sub-base	803	Granular sub base Type 1	N/A	200mm	Refer to table for capping & sub-base requirements (CBR values and capping requirements to be confirmed at formation by contractor testing)
Capping	613	6F	N/A	TBC	
Geotextile membrane	N/a	Terram nonwoven	N/A	N/A	

HIGH QUALITY STONE FOOTWAY CONSTRUCTION

Layer	Clause	Material	Binder	Thickness	Special requirements
Surface course	1107	High quality paving	-	100 mm	Specification to be confirmed with Landscape Architects
Laying course	1104.4	Sharp sand	-	50 mm	To BS 7533 Part 3 compacted thickness
Sub base	803	Granular sub base Type 1	-	150 mm	Sub base thickness to be increased to 200mm at vehicle crossovers refer to table for capping requirements

BODPAVE 85 PAVING CONSTRUCTION

Layer	Clause	Material	Binder	Thickness	Special requirements
Product material	-	Bodpave 85 paver 500mm x 500mm		50mm plus 35mm spike	Details specified by Landscape Architect
Bedding layer	-	60:40 rootzone		50-70 mm	Rootzone bedding and pavior fill must be free draining, structurally sound propriety blend of sand/soil. The use of site won materials is not recommended
Pavior fill	-	60:40 rootzone		43-45 mm	
Grass seed or turf	-	35g/m2 amenity blend low maintenance seed or turf			Pre seed fertilizer followed up with appropriate seasonal fertilizer
Sub base	803	Granular sub base Type 1		200 mm	Refer to table for capping & sub-base requirements (CBR values and capping requirements to be confirmed at formation by contractor testing)

NOTES.

1. Do not scale from drawing.
2. Work to given dimensions.
3. All dimensions in millimetres unless otherwise indicated.
4. This drawing is to be read in conjunction with the specification.
5. This drawing is to be read in conjunction with all other current Jacobs drawings.
6. CBR's to be confirmed by insitu tests.
7. Works to be carried out in accordance with the Specification for Highway Works (SHW), latest edition and the current British Standards.
8. SHW clause numbers shall apply in the event of conflicting information.
9. These details include the use of heavy kerb/paving products which the contractor is expected to handle using appropriate mechanical handling aids in accordance with HSE guidance.
10. Refer to pavement construction drawings for locations of pavement construction types.
11. CBR values for all pavement construction is to be confirmed at formation by contractor testing, capping to be provided in accordance with the capping layer table contained within this drawing.
12. Tie in details of proposed to existing construction will be subject to detailed design proposals.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following :	
CONSTRUCTION	- All buried services to be isolated/protected/ removed prior to start of works - Contractor to maintain dedicated signed worker access routes - Ensure temporary earthwork support for deep excavations - Ensure all excavations are adequately supported and the sides of all trenches stepped/battered in accordance with up to date HSE legislation.
MAINTENANCE/CLEANING	- As constructed records of all underground sewers / drains and utilities are to be kept by the contractor and included in the project Health and Safety File. - Do not enter excavations unless absolutely required and under confined space regulation requirements. - Ensure adequate salting of vehicle and pedestrian areas in time of cold weather. - Implement adequate maintenance regime in order to ensure the integrity and skid resistance of vehicle and pedestrian areas.
DECOMMISSIONING/DEMOLITION	- Consult project Building Maintenance Manual / Health and Safety File before carrying out excavation / site clearance next to building and retaining structures.
It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement	

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P0	24.07.15	PLANNING ISSUE	J.E	J.P.	J.P.	D.H
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
 1 City Walk, Leeds, LS11 9DX Tel:+44(0)113 242 6771 Fax:+44(0)113 389 1389 www.jacobs.com						
Client			POLICE AND CRIME COMMISSIONER OF NORTH WALES			
Project			EASTERN COMMAND AND CUSTODY FACILITY			
Drawing title			PROPOSED PAVEMENT CONSTRUCTION DETAILS			
Drawing status			PLANNING ISSUE			
Scale	NTS @ A1		DO NOT SCALE			
Jacobs No.	B1305210					
Client no.						
Drawing number						Rev
B1305210/CE/170.006						P0
This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						