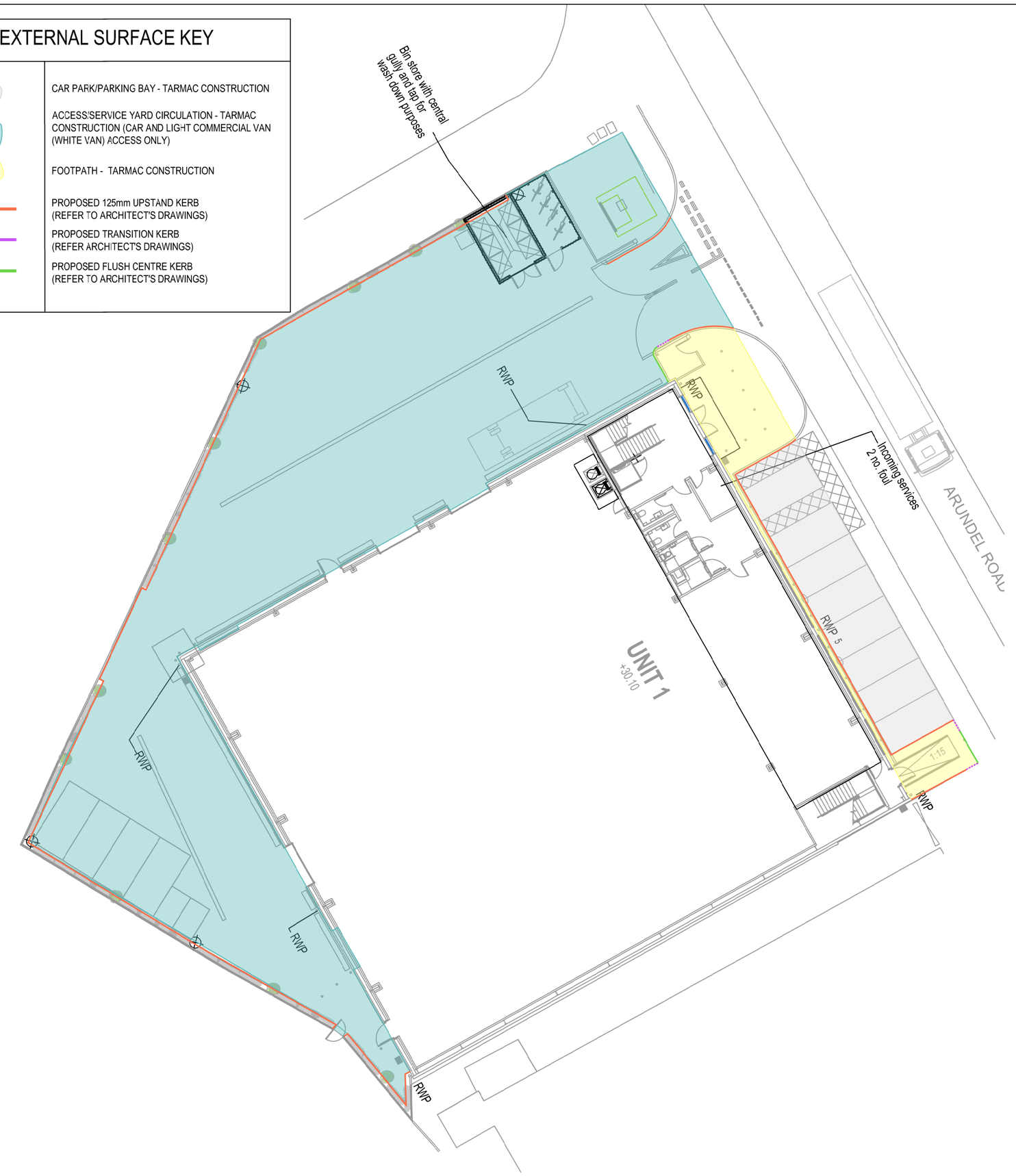
EXTERNAL SURFACE KEY

- CAR PARK/PARKING BAY - TARMAC CONSTRUCTION
- ACCESS/SERVICE YARD CIRCULATION - TARMAC CONSTRUCTION (CAR AND LIGHT COMMERCIAL VAN (WHITE VAN) ACCESS ONLY)
- FOOTPATH - TARMAC CONSTRUCTION
- PROPOSED 125mm UPSTAND KERB (REFER TO ARCHITECT'S DRAWINGS)
- PROPOSED TRANSITION KERB (REFER ARCHITECT'S DRAWINGS)
- PROPOSED FLUSH CENTRE KERB (REFER TO ARCHITECT'S DRAWINGS)



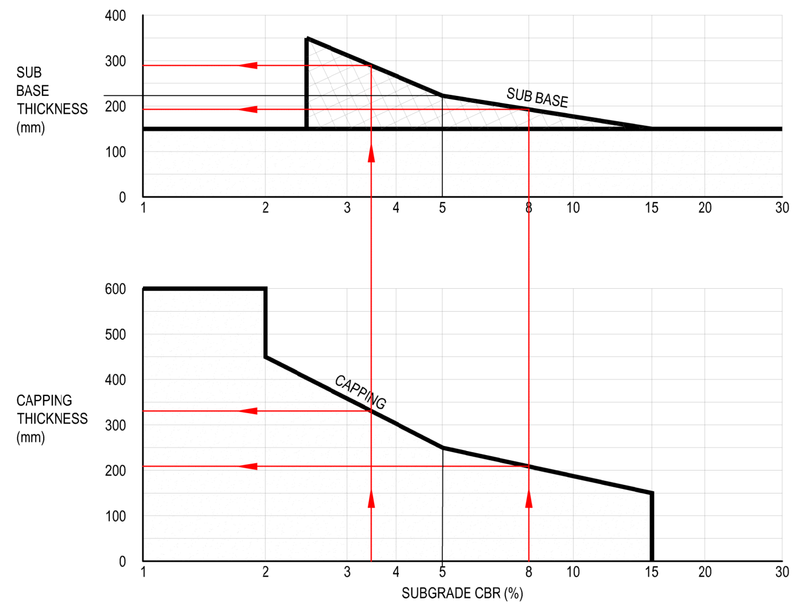
ASPHALT MATERIALS (ALL MATERIALS TO BE LAID AND COMPACTED TO BS 594987:2010 - ASPHALTS FOR ROADS AND OTHER PAVED AREAS)

SYMBOL	BS EN 1308 MATERIAL DESCRIPTION	USAGE	BITUMEN (PEN.)	THICKNESS (RANGE)	LAYING TEMPREATURE		APPROXIMATE RATE OF SPREAD (m²/TONNE)
					MAX °F	MIN °F	
★A	**AC 32 DENSE BASE** DENSE BASE (ROADBASE)	ACCESS ROAD/CIRCULATION	40/60	70-120	190	105	100mm = 4.4m²
ΔA	**AC 32 DENSE BIN** DENSE BINDER COURSE (BASECOURSE)	ACCESS ROAD/CIRCULATION	40/60	70-120	190	105	100mm = 4.4m²
ΩB	**AC 32 DENSE BIN** DENSE BINDER COURSE (BASECOURSE)	PARKING BAYS	100/150	70-120	170	75	100mm = 4.4m²
ΔA	**AC 14 CLOSE SURF** CLOSE GRADED SURFACE COURSE (WEARING COURSE)	ACCESS ROAD/CIRCULATION	40/60	40-50	190	105	40mm =11.0m²
ΔB	**AC 14 CLOSE SURF** CLOSE GRADED SURFACE COURSE (WEARING COURSE)	PARKING BAYS	100/150	40-50	170	80	40mm =11.0m²
ΔG	**AC 6 MED SURF** MEDIUM GRADED SURFACE COURSE (WEARING COURSE)	PAVEMENTS	160/220	20/30	170	85	20mm =23.0m²

SYMBOL	MATERIAL DESCRIPTION	SPECIFICATION
≈	**SUB BASE**	GRANULAR MATERIAL TYPE 1 TO CLAUSES 801 AND 803 OF THE D.Tp. SPECIFICATION LAID AND COMPACTED TO CLAUSE 802 ALTERNATIVE MATERIALS TO D.Tp. TYPE 1 (E.G. D.Tp. TYPE 2 TO CLAUSE 804 OR LOCALLY AVAILABLE FILL MATERIALS) MAY BE USED AT THE CONTRACTORS RISK SUBJECT TO AGREEMENT WITH THE ENGINEER. ALL TO CLAUSES 701 AND 702.
≡	**CAPPING**	GRANULAR MATERIAL CLASS 1A, 1B, 1C, 6F1 OR 6F2 TO THE D.Tp. SPECIFICATION 601, 602, 613 AND 617. LAID AND COMPACTED TO CLAUSES 608 AND 612.

	FLEXIBLE CONSTRUCTION			FOUNDATION OPTION 1			FOUNDATION OPTION 2		
	WEARING COURSE (mm)	BINDER BASE COURSE (mm)	ROAD BASE (mm)	SUB-BASE (mm)	CAPPING (mm)	GEOTEXTILE	SUB-BASE (mm)	CAPPING (mm)	GEOTEXTILE
ACCESS ROAD AND SERVICE YARD	40 ΔA	60 ΩA	100 ★A	≈DEPENDANT ON CBR (REFER TO TABLE)	≡DEPENDANT ON CBR (REFER TO TABLE)	TERRAM 1000	≈DEPENDANT ON CBR (REFER TO TABLE)	0	TERRAM 1000
PARKING AREA	40 ΔB	60 ΩB	-	≈DEPENDANT ON CBR (REFER TO TABLE)	≡DEPENDANT ON CBR (REFER TO TABLE)	TERRAM 1000	≈DEPENDANT ON CBR (REFER TO TABLE)	0	TERRAM 1000
PEDESTRIAN	40 ΔG	40 ΩB	-	≈DEPENDANT ON CBR (REFER TO TABLE)	≡DEPENDANT ON CBR (REFER TO TABLE)	TERRAM 1000	≈DEPENDANT ON CBR (REFER TO TABLE)	0	TERRAM 1000

SITE CBR VALUE
ASSUMED CBR OF 2.5%. REFER TO TABLE FOR CONSTRUCTION BUILDUPS. CONTRACTOR TO ASCERTAIN ON SITE CBR RESULTS SO CONFIRM DEPTH OF CONSTRUCTION.

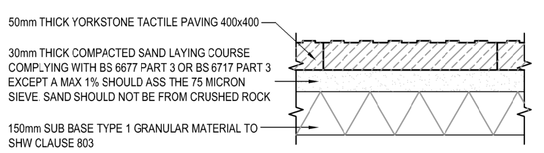


CAPPING/SUB BASE DESIGN
SUB BASE ONLY DESIGN FOR FLEXIBLE COMPOSITE PAVEMENTS CAPPING NOT REQUIRED.

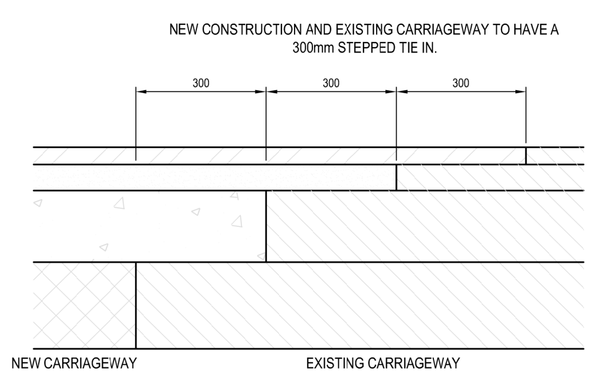
DESIGN EXAMPLE 1
3.5% CER :-
a. SUB BASE 150mm
ON CAPPING 330mm
b. SUB BASE 280mm
NO CAPPING

DESIGN EXAMPLE 2
8.0% CER :-
a. SUB BASE 150mm
ON CAPPING 210mm
b. SUB BASE 190mm
NO CAPPING

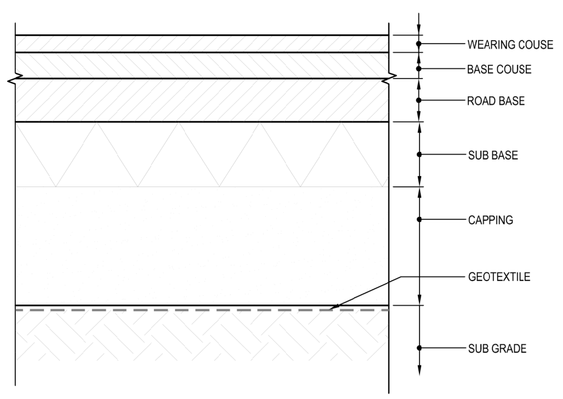
CAPPING AND SUB BASE THICKNESS DESIGN
NTS



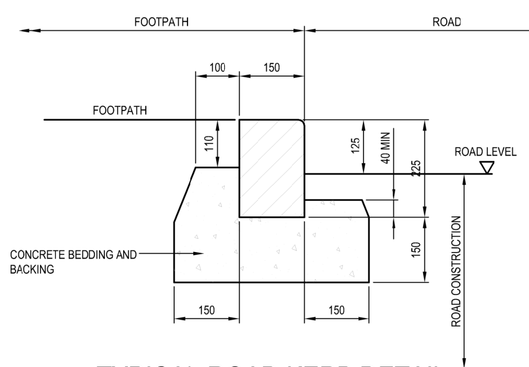
TACTILE PAVING CONSTRUCTION
SCALE 1:10



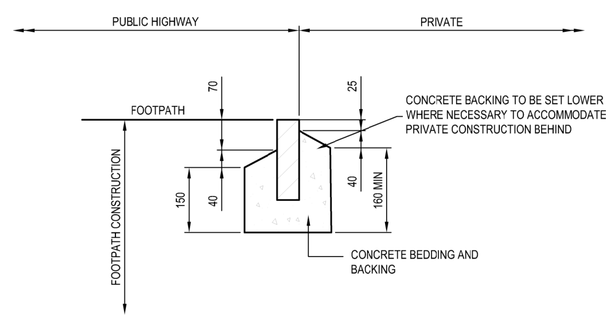
CARRIAGEWAY TIE IN CONSTRUCTION
SCALE 1:10



TYPICAL FLEXIBLE PAVEMENT CONSTRUCTION DETAIL
SCALE 1:10



TYPICAL ROAD KERB DETAIL
SCALE 1:10



TYPICAL DELINEATION KERB DETAIL
SCALE 1:10

GENERAL NOTES
1. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE EVOLVE DESIGN STATEMENT.

2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, SERVICES & SPECIALIST MANUFACTURERS DETAILS, DRAWINGS AND SPECIFICATIONS.

3. DO NOT SCALE THIS DRAWING. IF IN DOUBT ASK. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE. ALL DIMENSIONS TO EXISTING ELEMENTS ARE TO BE CHECKED AND CONFIRMED ON SITE BY CONTRACTOR.

NOTES

Rev.	Date	Revision	By	Chk
D	18.11.21	CONSTRUCTION ISSUE	ACE	ALA
C	15.07.21	CONTRACT ISSUE	SM	PK
B	27.05.21	UPDATED TO LATEST LAYOUT	PW	PK
A	07.08.20	ISSUED FOR TENDER	PW	PK

CONSTRUCTION

Client
PJN PROPERTIES LTD

Project
BARTON BULDINGS
UXBRIDGE INDUSTRIAL ESTATE

Drawing Title
EXTERNAL WORKS
GENERAL ARRANGEMENT
AND DETAILS

Drawn by	Checked by	Scale @ A1
PW	PK	1:200

Drawing No.	Revision
3121-600	D

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