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FOOTWAY CONSTRUCTION

20mm SURFACE COURSE: AC6 DENSE SURF 100/150.
50mm BINDER COURSE: AC20 DENSE BIN 160/220 (RECIPE MIX)
75mm SUB BASE: TYPE 1 SUB BASE

VEHICLE CROSSING CONSTRUCTION

20mm SURFACE COURSE: AC6 DENSE SURF 160/220 TO PD6691 TABLE B.16 (MIN PSV 45)
50mm BINDER COURSE: AC20 DENSE BIN 160/220 TO PD6691 TABLE B.11
150mm SUB BASE: TYPE 1 SUB BASE

CARRIAGEWAY CONSTRUCTION

ROAD CATEGORY: MINOR RESIDENTIAL ACCESS ROAD (CBR 3%)

40mm SURFACE COURSE: HRA 55/10 F SURF 100/150 PSV 55
60mm BINDER COURSE: AC20 DENSE BIN 100/150 RECIPE MIX (TO BS EN 13108-1)
100mm BASE COURSE: AC32 DENSE BASE 100/150 RECIPE MIX (TO BS EN 13108-1)

SUB BASE AND CAPPING: GRANULAR SUB BASE MATERIAL TYPE 1 (NOT LESS THAN 150mm THICK) TO SHW CLAUSE 803
CAPPING 6F2/8 MATERIAL (FOR THICKNESS SEE CBR TABLE).

BOND COAT TO BE APPLIED BETWEEN PAVEMENT LAYERS. TO BE SPRAYED WITH BITUMEN EMULSION CLASS K1-40 TO BS 434 AT RATE OF SPREAD OF 0.5 ± 0.1 l/m²
REFER TO CONSTRUCTION LAYOUT DWG FOR ARRANGEMENTS

Note:
CAPPING AND SUB BASE THICKNESSES ARE TO BE BASED ON EQUILIBRIUM LABORATORY BASED CBR VALUES CARRIED OUT ON DISTURBED SAMPLES COLLECTED AT FORMATION LEVEL OR ALTERNATIVELY A WORST CASE SCENARIO OF CBR VALUE <2% TO BE ADOPTED WITH 150mm THICK SUB BASE AND 600mm THICK CAPPING.

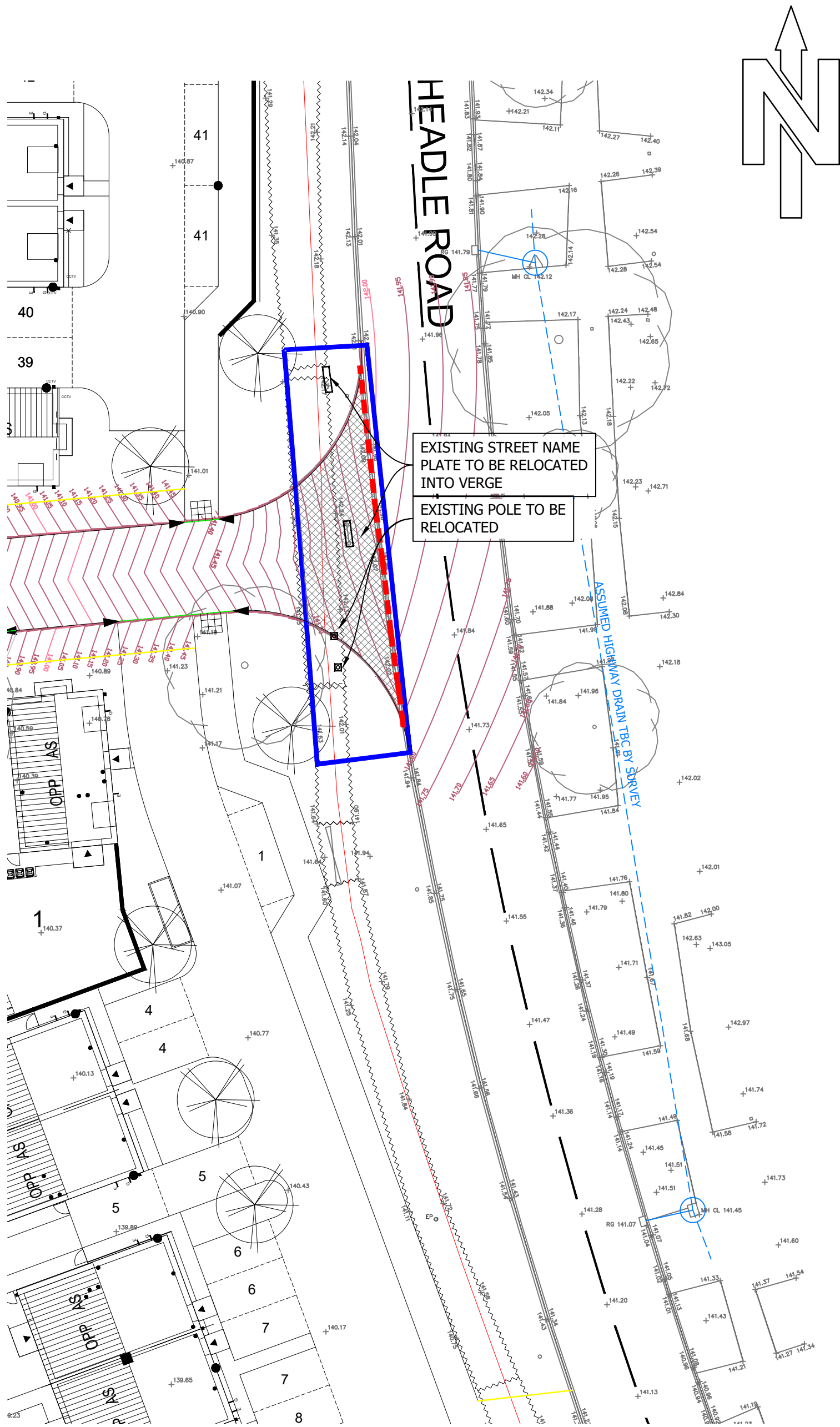
TABLE TWO

CARRIAGEWAY SUB-BASE AND CAPPING THICKNESS ^(a)		
CBR % ^(b)	CAPPING mm	SUB-BASE mm
15% or greater ^(c)	-	150
5% to less than 15%	-	225
2% to less than 5%	350	150
less than 2%	600	150

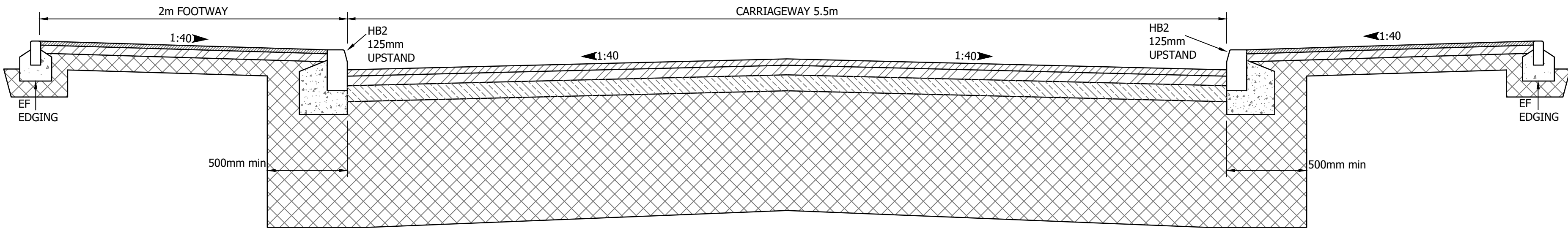
^(a) THE FOUNDATION DESIGN SHOULD NOT VARY FREQUENTLY ALONG THE ROAD. SELECT AN APPROPRIATE VALUE FOR EACH SIGNIFICANT CHANGE IN THE SUBGRADE PROPERTIES.

^(b) WHERE THE EQUILIBRIUM CBR FALLS BETWEEN VALUES IN THE ABOVE TABLE, YOU SHOULD ROUND DOWN THE VALUE TO THE LOWER VALUE.

^(c) WHEN THE SUBGRADE CBR IS SUFFICIENTLY BELOW 2% THAT CAPPING WITH SUB-BASE IS NOT SUFFICIENT TO SUPPORT THE PAVEMENT, SPECIAL MEASURES WILL BE REQUIRED. FIND ADVICE IN DMRB 7.2.2 HD25/94.



KEY
— S184 BOUNDARY
NEW ROAD CONSTRUCTION
--- EXISTING KERB TO BE REMOVED



TYPICAL CROSS SECTION THROUGH CARRIAGEWAY

SCALE 1:20

REV	DESCRIPTION	DATE	BY	AUTH
A	NAMEPLATE TO BE RELOCATED	12.01.24	LK	TW

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CLIENT KEEPMOAT HOMES		
PROJECT CHEADLE RD, UPPER TEAN		
TITLE S184 ACCESS PROPOSALS		
DRAWN LK	AUTHORISED TW	SCALE 1/250-@A1
PROJECT NO. 22032	DRAWING NO. 500	DATE 25.04.23
STATUS PRELIMINARY		