

FOOTWAY CONSTRUCTION

20mm SURFACE COURSE:	AC6 DENSE SURF 100/150.
50mm BINDER COURSE:	AC20 DENSE BIN 160/220 (RECIPE MIX)
150mm 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
225mm 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 6F2/5 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

CARRIAGEWAY CONSTRUCTION

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

40mm SURFACE COURSE:	HRA 55/10 F SURF 100/150 PSV 60
60mm BINDER COURSE:	AC20 DENSE BIN 100/150 RECIPE MIX
150mm BASE COURSE:	AC32 DENSE BASE 100/150 RECIPE MIX

SUB BASE AND CAPPING: TYPE 1 SUB BASE (NOT LESS THAN 150mm THICK) TO SHW CLAUSE 803 (AS HIGHLIGHTED IN CBR TABLE TWO). CAPPING 6F2/5 MATERIAL (FOR THICKNESS SEE CBR TABLE TWO).

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.

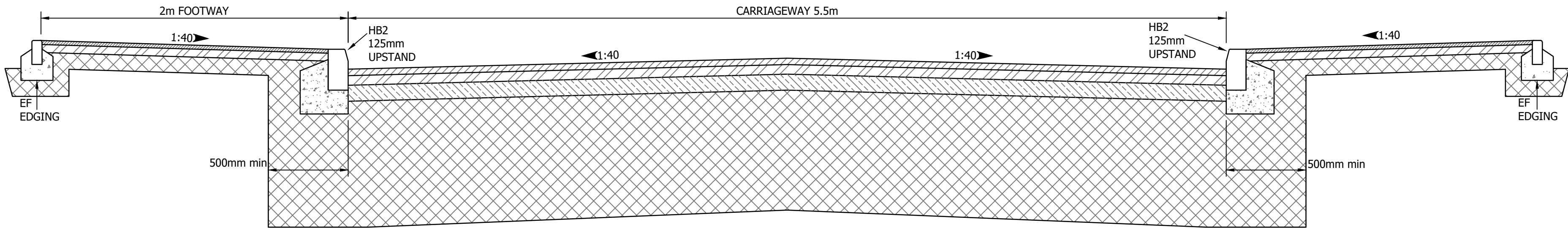
TABLE TWO

CARRIAGEWAY SUB-BASE AND CAPPING THICKNESS ^a		
CBR % ^a	CAPPING mm	SUB-BASE mm
15% or greater ^a	-	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.
^a WHERE THE EQUILIBRIUM CBR FALLS BETWEEN VALUES IN THE ABOVE TABLE, YOU SHOULD ROUND DOWN THE VALUE TO THE LOWER VALUE.
^a 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.

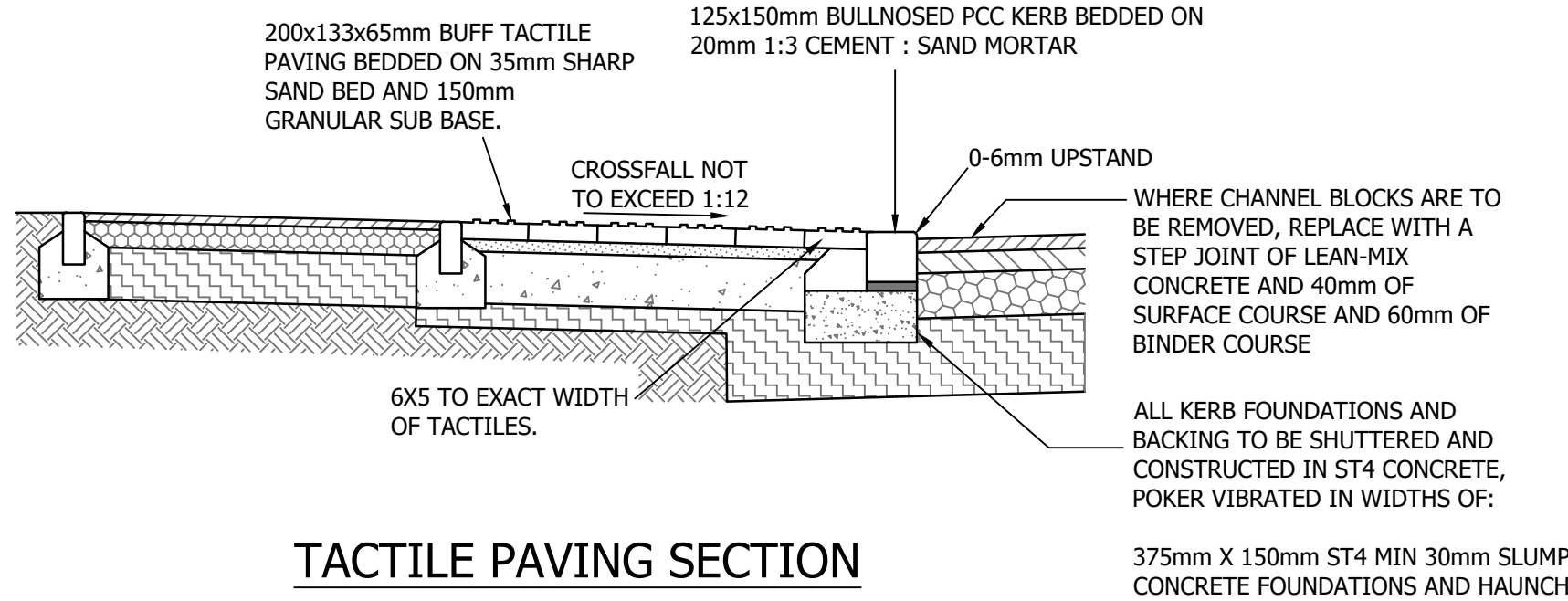
Trench Widths:

Pipe Dia. (mm)	Min. Trench Width (mm)
100	550
150	600
225	700
300	750
375	1050
450	1150
525	1200
600	1350
675	1450
750	1500
825	1600
900	1900
975	2000
1050	2300
1200	2300
Over 1200	Pipe Dia. + 1000

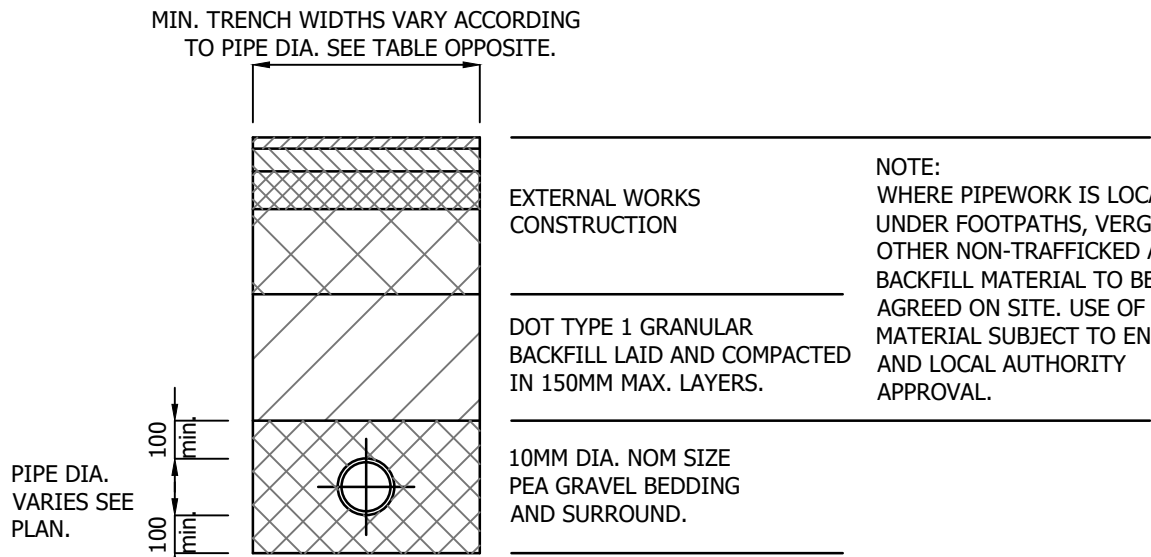


TYPICAL CROSS SECTION THROUGH CARRIAGEWAY

SCALE 1:20



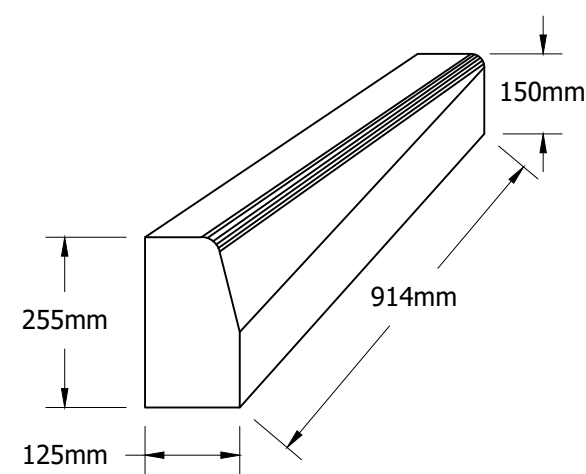
TACTILE PAVING SECTION



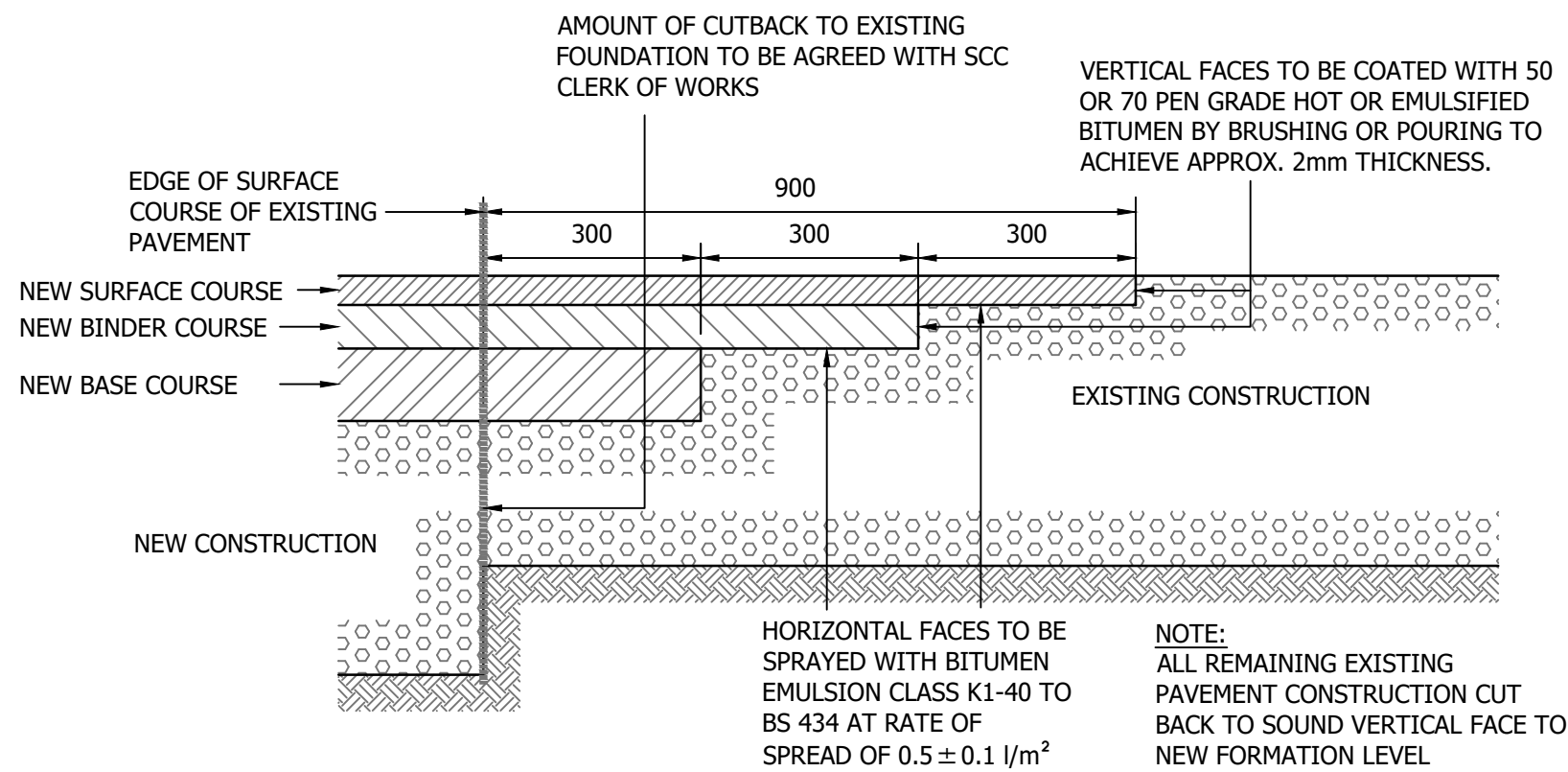
Pipe Bedding Detail Type S

Note: Applicable where pipework has more than 1200mm cover under trafficked areas or more than 600mm under non-trafficked areas.

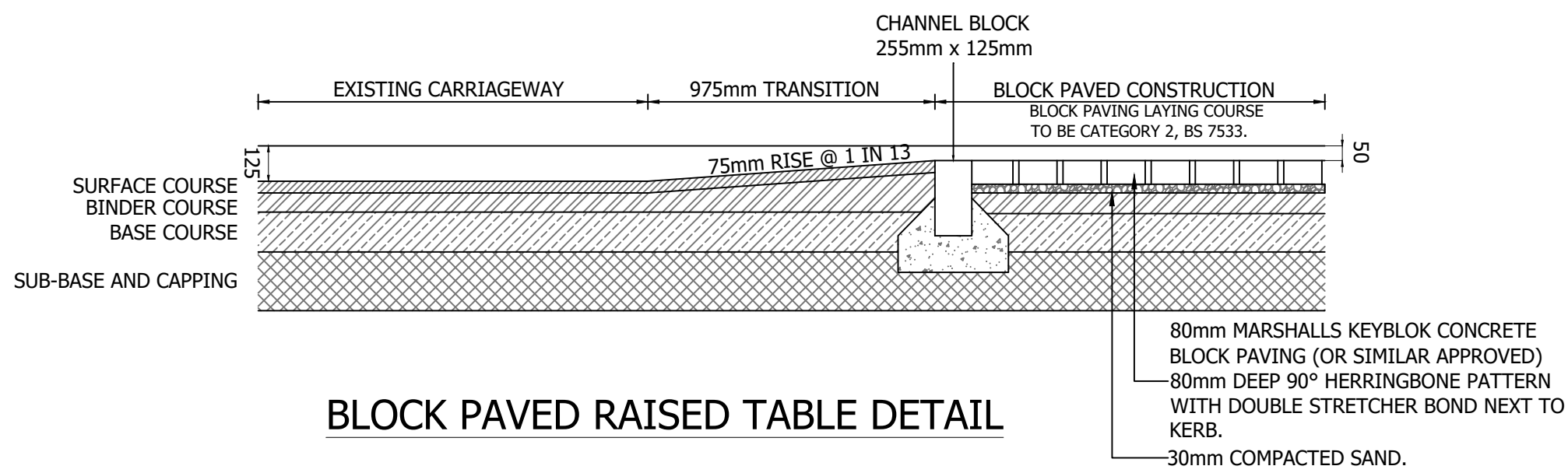
PRECAST CONCRETE BLISTER TACTILE BLOCKS 1:20



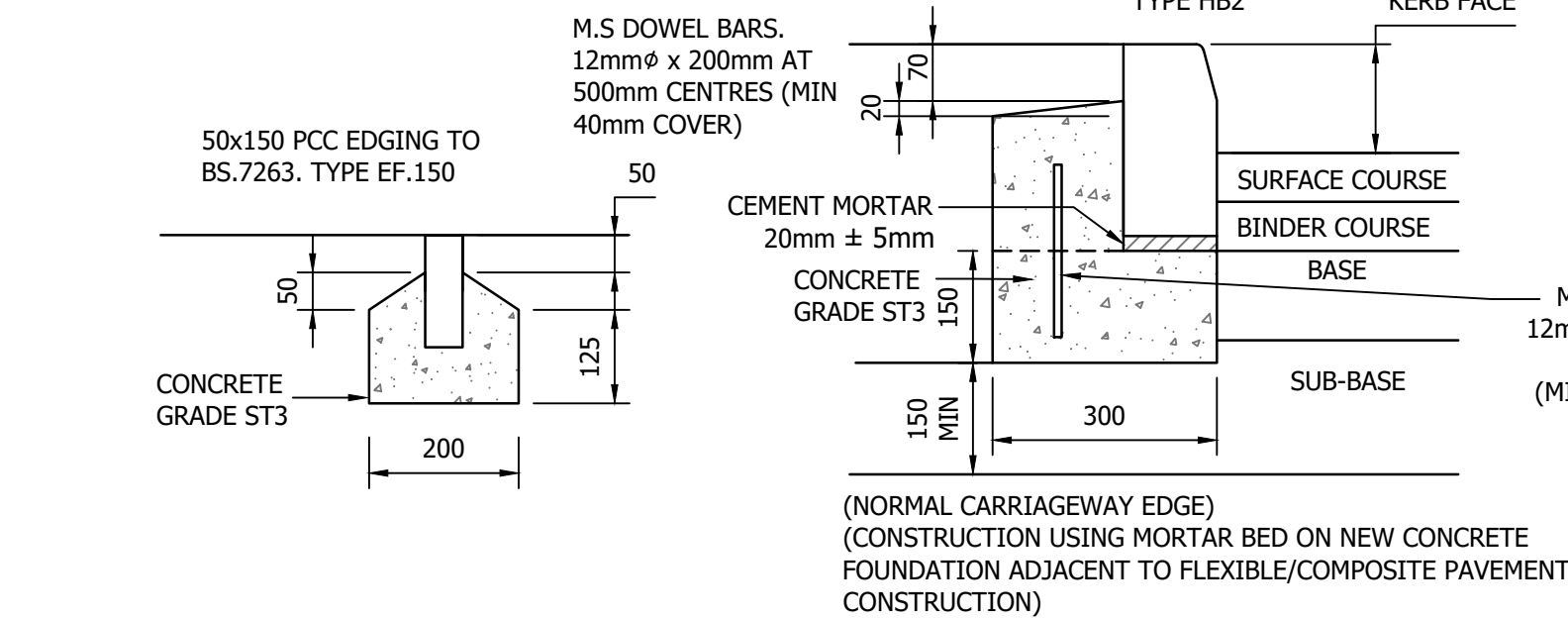
TRANSITION KERB UNIT 3D DETAIL



CARRIAGEWAY TIE-IN NEW TO EXISTING AT EXISTING LEVEL



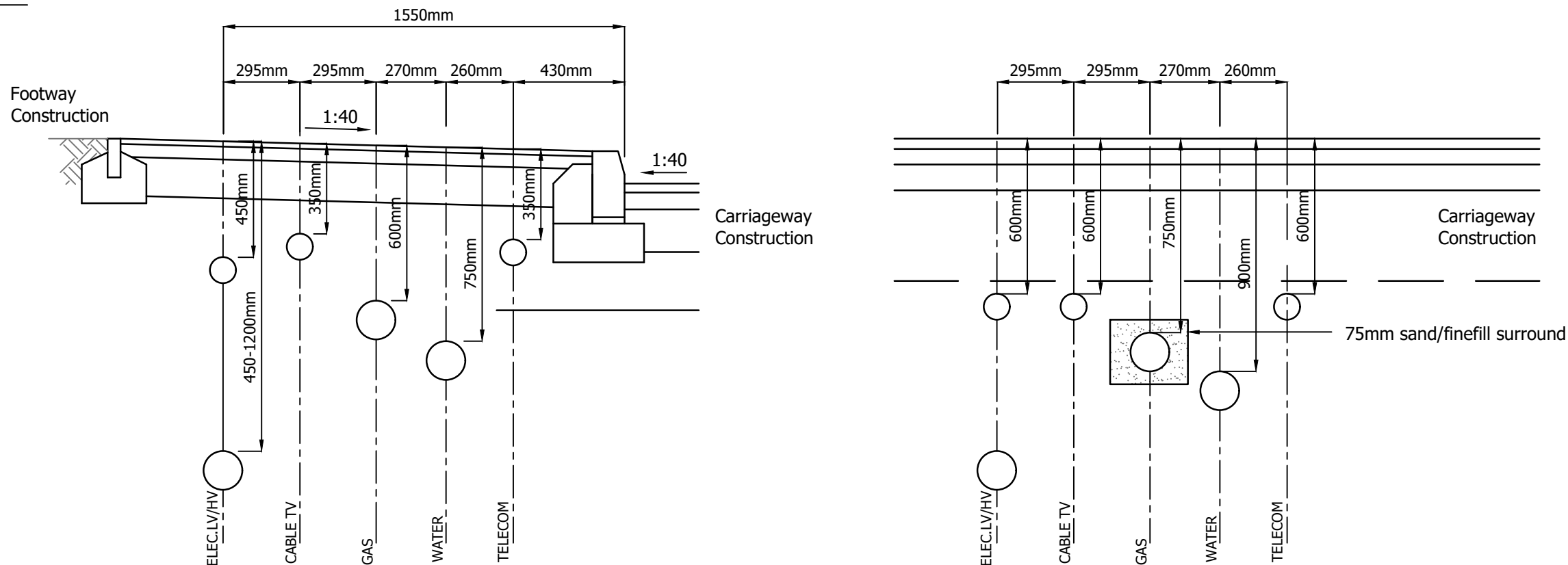
BLOCK PAVED RAISED TABLE DETAIL



EDGING DETAIL (EF)

HALF BATTER KERB

KERB DETAIL - TYPE BN



Typical Services Strip Construction Detail (NJUG compliant) - 1:20

Typical Services Crossing Beneath Carriageway (NJUG compliant) - 1:20

- DO NOT SCALE FROM THIS DRAWING. IF IN DOUBT CONTACT TRAVIS BAKER LIMITED.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS RELATING TO THIS PROJECT.
- ALL DIMENSIONS SHOULD BE CHECKED ON SITE PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHOULD BE IMMEDIATELY NOTIFIED IN WRITING TO TRAVIS BAKER LIMITED.
- THE CONTRACTOR SHALL PRIOR TO CONSTRUCTION CHECK AND VERIFY THAT THE DETAILS SHOWN ON THIS DRAWING ARE FULLY COMPATIBLE WITH ANY AS CONSTRUCTED DIMENSIONS OR LEVELS. ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY IN WRITING TO TRAVIS BAKER LIMITED.
- THIS DRAWING HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF THE COMMISSIONING PARTY AND UNLESS AGREED IN WRITING BY TRAVIS BAKER LIMITED NO OTHER PARTY MAY USE OR RELY ON ITS CONTENTS. NO LIABILITY IS ACCEPTED BY TRAVIS BAKER LIMITED FOR ANY USE OF THIS DRAWING OTHER THAN FOR THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.
- IT SHOULD BE NOTED THAT THIS DRAWING MAY INCLUDE DATA PROVIDED BY THIRD PARTIES. NO LIABILITY IS ACCEPTED BY TRAVIS BAKER LIMITED AS TO THE ACCURACY OF THIS DATA.
- THIS DRAWING SHALL NOT BE REPRODUCED IN ANY WAY WITHOUT THE WRITTEN PERMISSION OF TRAVIS BAKER LIMITED.
- PAVEMENT DESIGN IN ACCORDANCE WITH SCC HIGHWAY DESIGN GUIDE APPENDIX E AND/OR BS 7533
- ALL TRANSVERSE JOINTS SHALL BE CUT FOR KERBING, WITH VERTICAL FACES PAINTED WITH BITUMINOUS BINDER PRIOR TO THE LAYING OF BITUMINOUS MATERIAL(S).

SCC KERBING NOTES:

- WHERE KERBING IS TO BE LAID TO A RADIUS OF 12m OR LESS, THEN RADII KERBS SHALL BE USED TO RADII SHOWN IN BSEN 1340.
- (i) WHEN DEPTH FROM TOP OF FOUNDATION CONCRETE TO TOP SURFACE OF SUB-BASE MATERIAL IS 150mm OR MORE, THE FOUNDATION CONCRETE SHALL EXTEND TO THE WHOLE OF THIS DEPTH.
(ii) WHEN DEPTH FROM TOP OF FOUNDATION CONCRETE TO TOP SURFACE OF SUB-BASE MATERIAL IS LESS THAN 150mm, THE FOUNDATION CONCRETE SHALL BE 150mm THICK AND THE SUB-BASE MATERIAL SHALL BE EXCAVATED TO OBTAIN THE FOUNDATION DIMENSIONS.
- FOUNDATION AND BACKING CONCRETE DIMENSIONS MAY LOCALLY VARY AT GULLY, DUCT MARKER SLAB, AND DROPPER KERB FOUNDATION DIMENSIONS.
- EXPANSION AND CONTRACTION JOINTS, DRAINAGE HOLES OR PIPES THROUGH CONCRETE ARE AS DESCRIBED IN APPENDIX 11/1.
- THE LOCATION OF QUADRANTS, DROPPER KERBS AND OTHER SPECIAL UNITS ARE AS SHOWN ON THE DRAWINGS AND SHALL BE CONSIDERED PART OF THE PREDOMINANT ADJOINING KERB "TYPE" FOR MEASUREMENT PURPOSES.
- AS NOTE 2, BUT FOR 150mm READ 180mm.
- THICKNESS AND EXTENT OF SUB-BASE UNDER KERB FOUNDATIONS IS AS SHOWN TO THE OUTLINES STATED IN THE CONTRACT.
- KERBS SHALL BE MANUFACTURED BY A WET PRESS PROCESS AND SHALL COMPLY WITH BSEN 1340.

ALL ADOPTABLE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STAFFORDSHIRE COUNTY COUNCILS DESIGN SPECIFICATIONS.

PRELIMINARY
SUBJECT TO SECTION 7
AND SECTION 104 APPROVAL

A	UPDATED FOOTWAY & VEHICLE CROSSING	06.06.23	LK	TW
REV	SUB-BASE	DESCRIPTION	DATE	BY AUTH

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CLIENT
KEEPMOAT HOMES

PROJECT
CHEADLE ROAD, UPPER TEAN

TITLE
**S38 CONSTRUCTION DETAILS
SHEET 1 OF 2**

DRAWN	AUTHORISED	SCALE	DATE
CN	TW	NTS@A1	19.04.23

PROJECT NO.	DRAWING NO.	REV
22032	305	A

STATUS:

PRELIMINARY

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