

**CARRIAGEWAY CONSTRUCTION – SECTION 38/S278 HIGHWAY WORK 1:20**

- 1 BARDON SUPREME 10 CW PSV65  
45MM SURFACE COURSE  
MINIMUM POLISHED STONE VALUE 65PSV  
HIGH FRICTION SURFACING ADDED WHERE REQUIRED
- 2 BARDON SUPREME 114 NS  
75MM BINDER COURSE BITUMEN MACADAM TO BS EN 13108:PART 1:2006  
0/20MM DENSE BINDER COURSE  
BITUMEN BINDER TO BE 40/60 PEN.
- 3 AC 32 BASE 40/60  
150MM HDM BASE TO BS EN 13108:PART 1:2006  
0/32MM DENSE BASE COURSE  
BITUMEN BINDER TO BE 40/60 PEN.
- 4 150MM MINIMUM THICK GRANULAR MATERIAL TYPE 1 TO DOT SPECIFICATION  
CLAUSE 803. GRANULAR MATERIAL LAID IN ACCORDANCE WITH DOT SPECIFICATION  
CLAUSE 802.

SUB-BASE THICKNESS TO BE SUBJECT TO AN ASSESSMENT OF CBR VALUES  
TAKEN AT FORMATION LEVEL.

- 5 PREPARATION OF SURFACE TREATMENT OF FORMATION TO CLAUSE 616 DOT SPEC.  
GEOTEXTILE LAYER 'LOTRAK 25R' OR SIMILAR APPROVED TO BE LAID OVER FORMATION  
IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS
- 6 BACKFILL OF SUB BASE TYPE 1 WHERE UNDER FOOTWAY OR SUITABLE GRANULAR  
MATERIAL WHERE UNDER VERGE. ALL WELL COMPACTED.

NOTE: FOR CARRIAGEWAY WIDENING LESS THAN 1000mm WIDE, SUB-BASE & DENSE BASE  
SPECIFICATION TO BE REPLACED BY FND 4 CONCRETE (DESIGNATED MIX)  
NOTE: LIMESTONE IS NOT TO BE USED ON ANY OF THE CARRIAGEWAY & FOOTWAY  
SURFACE COURSES.

**CARRIAGEWAY SURFACE COURSE OVERLAY**

- 1A BARDON SUPREME 10 CW PSV65  
45MM SURFACE COURSE  
MINIMUM POLISHED STONE VALUE 65PSV  
HIGH FRICTION SURFACING ADDED WHERE REQUIRED  
PRIOR TO LAYING THE NEW SURFACE COURSE ON SCARIFIED PAVEMENT, THE SURFACE  
SHALL BE MECHANICALLY CLEANED AND A TACK COAT OR A PROPRIETARY BOND COAT  
COMPATIBLE WITH THE THIN SURFACE COURSE

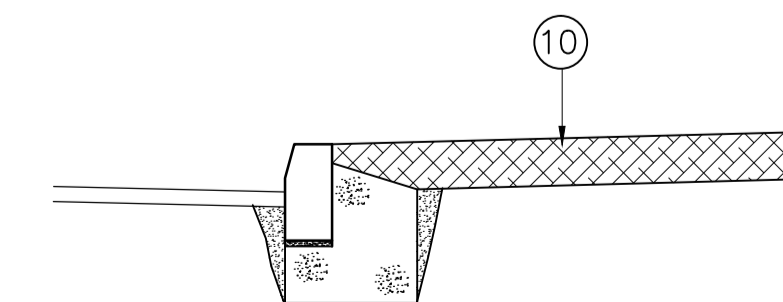
**FOOTWAY CONSTRUCTION**

- 7 AC 6 SURF 160/220  
20MM DENSE SURFACE COURSE TO BS EN 13108:PART 1:2006  
0/6MM DENSE SURFACE COURSE
- 8 AC 20 BIN 160/220  
50MM DENSE BINDER COURSE BITUMEN MACADAM TO BS EN 13108:PART 1:2006  
0/20MM DENSE BINDER COURSE
- 9 150MM THICK GRANULAR MATERIAL TYPE 1 TO DOT SPECIFICATION FOR HIGHWAY WORKS,  
CLAUSE 803. GRANULAR MATERIAL LAID IN ACCORDANCE WITH DOT SPECIFICATION FOR  
HIGHWAY WORKS, CLAUSE 802.

MINIMUM POLISHED STONE VALUE 55PSV

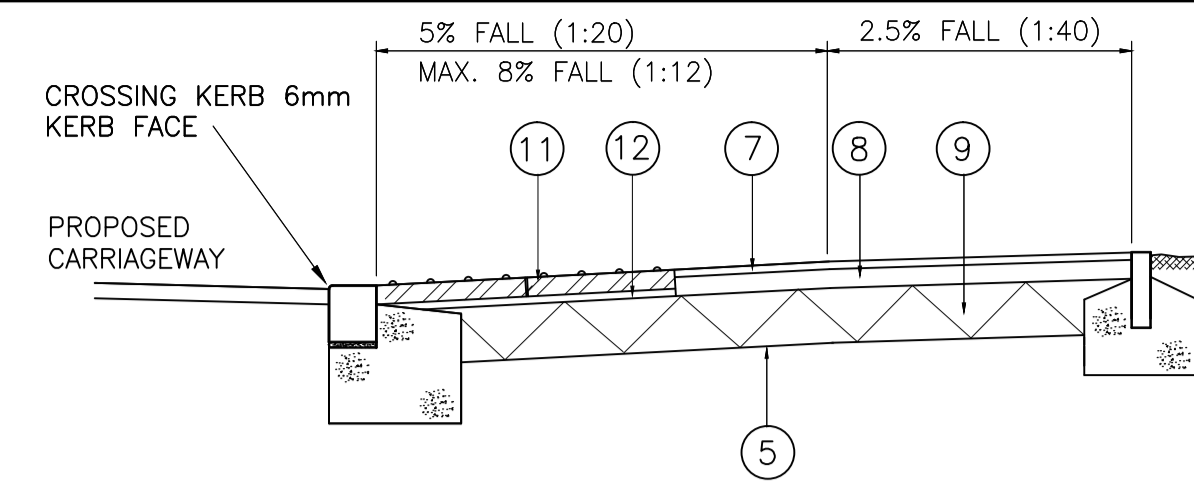
**FOOTWAY SURFACE COURSE OVERLAY**

- 7 AC 6 SURF 160/220  
20MM DENSE SURFACE COURSE TO BS EN 13108:PART 1:2006  
0/6MM DENSE SURFACE COURSE  
PRIOR TO LAYING THE NEW SURFACE COURSE ON SCARIFIED PAVEMENT, THE SURFACE  
SHALL BE MECHANICALLY CLEANED AND A TACK COAT OR A PROPRIETARY BOND COAT  
COMPATIBLE WITH THE THIN SURFACE COURSE



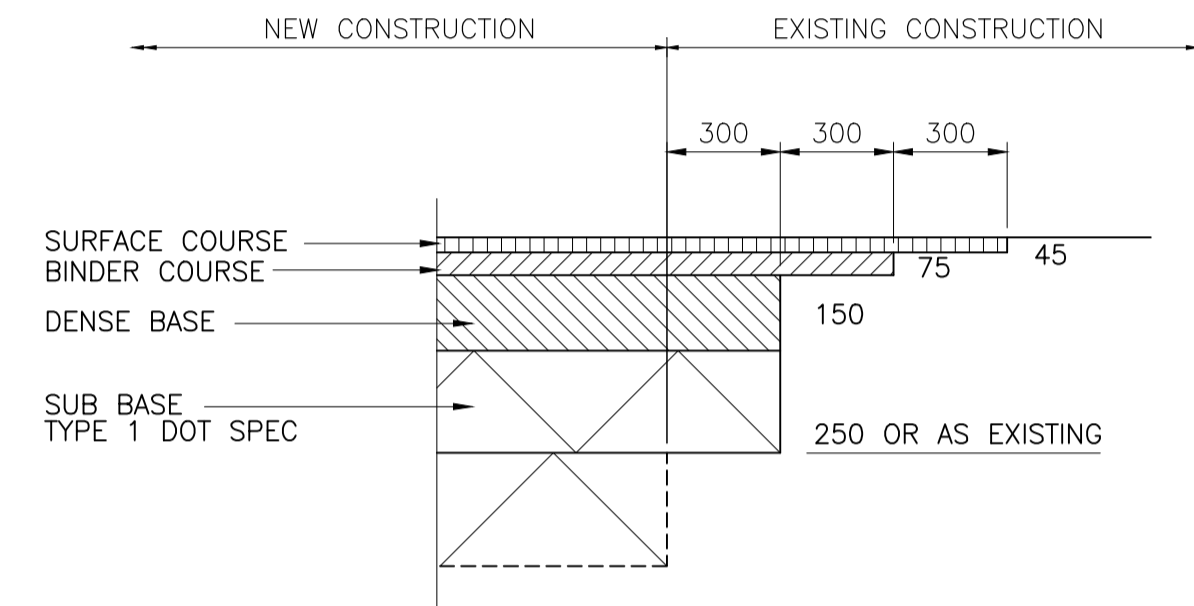
**VERGE CONSTRUCTION 1:20**

- 10 MIN. 150mm THICK TOP SOIL & SEEDING TO SURROUNDING COUNTY COUNCIL SPECIFICATION



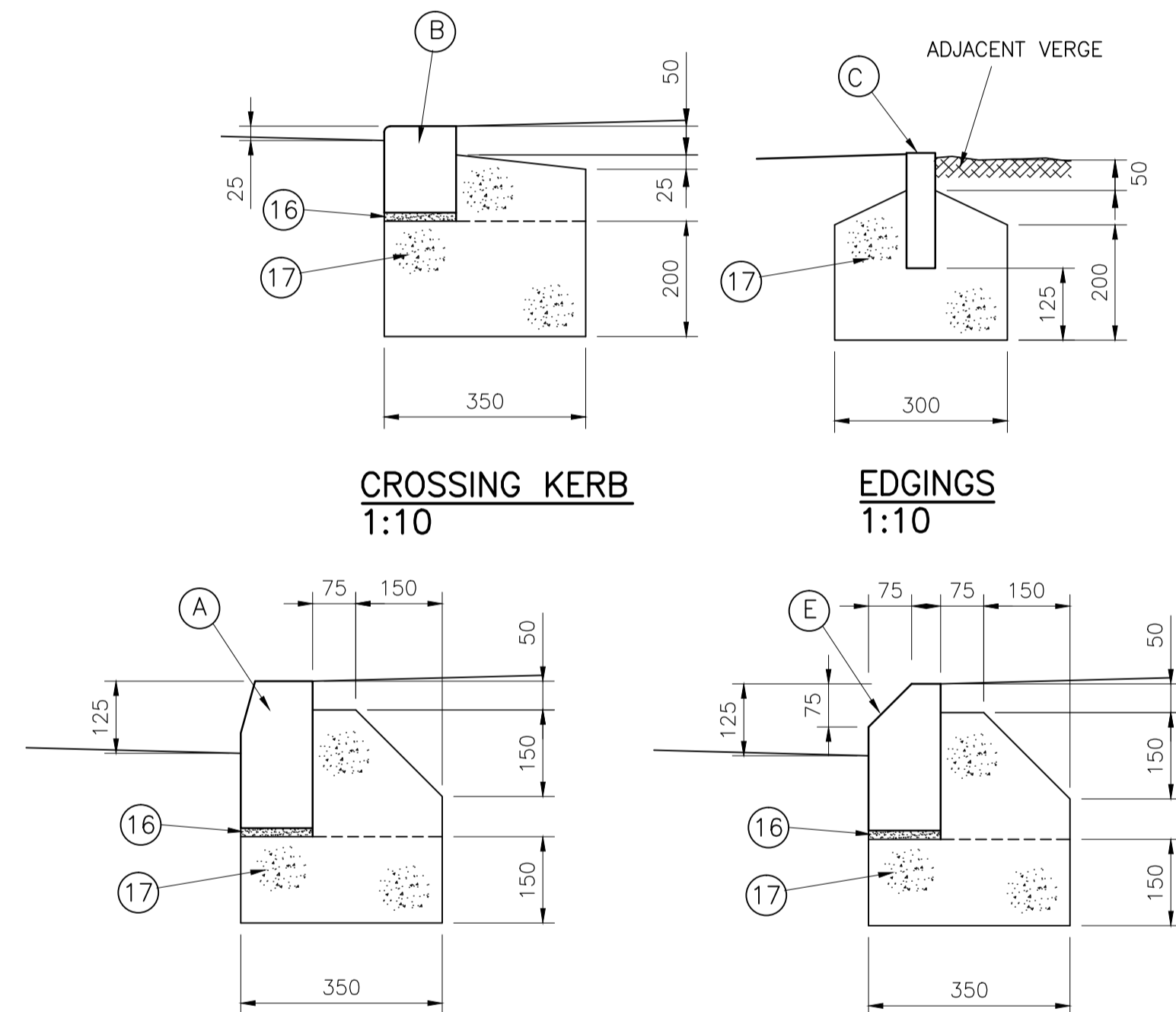
**TACTILE PAVING CONSTRUCTION AT CROSSING POINTS 1:20**

- 11 400x400x65mm THICK TACTILE BLISTER PAVING SUPPLIED BY MARSHALLS OR SIMILAR  
APPROVED. BUFF COLOUR TO BE APPROVED BY LOCAL HIGHWAY AUTHORITY.  
THE TACTILE PAVING SHALL BE ALIGNED WITH THE "DIRECTION OF THE CROSSING",
- 12. 30MM SAND BED (WHEN COMPACTED). BEDDING SHALL BE NATURALLY OCCURRING SILICA  
SAND, FREE OF DELETERIOUS SALTS AND CONTAMINANTS, WITH PARTICLES OF A ROUNDED  
OR SUB-ROUNDED SHAPE



**NEW CONSTRUCTION TIE-IN WITH EXISTING CONSTRUCTION 1:20**

- 13. FOR LONGITUDINAL JOINTS STEP WIDTHS 300mm;  
FOR TRANSVERSE JOINTS AT TIE-INS, STEPS TO BE 1000mm LONG.
- 14. METHOD OF CONSTRUCTION SHALL BE AS FOLLOWS:
  - i) THE EXISTING PAVEMENT OF THE TIE-IN IS TO BE BROKEN OUT DOWN TO THE  
SURFACE OF THE PAVEMENT COURSE AT OR BELOW THE DEPTH NECESSARY TO  
ACCOMMODATE THE NEW SURFACE & BINDER COURSES. WHERE EXISTING SURFACING  
COURSES ARE DEEPER THAN THOSE PROPOSED, REGULATING WILL BE CARRIED  
OUT PRIOR TO LAYING, TO PERMIT NEW BINDER & SURFACE COURSES TO BE LAID  
TO THE SPECIFIED DEPTHS.
  - ii) PRIOR TO LAYING THE NEW BINDER COURSE OR SURFACE COURSE ON THE  
EXISTING PAVEMENT, THE SURFACE SHALL BE BRUSHED CLEAN & A TACK COAT  
APPLIED.
  - iii) ALL VERTICAL JOINTS TO BE COATED WITH ASPHALT CEMENT (HOT BITUMEN)  
PRIOR TO THE LAYING OF THE NEW SURFACE & BINDER COURSES.

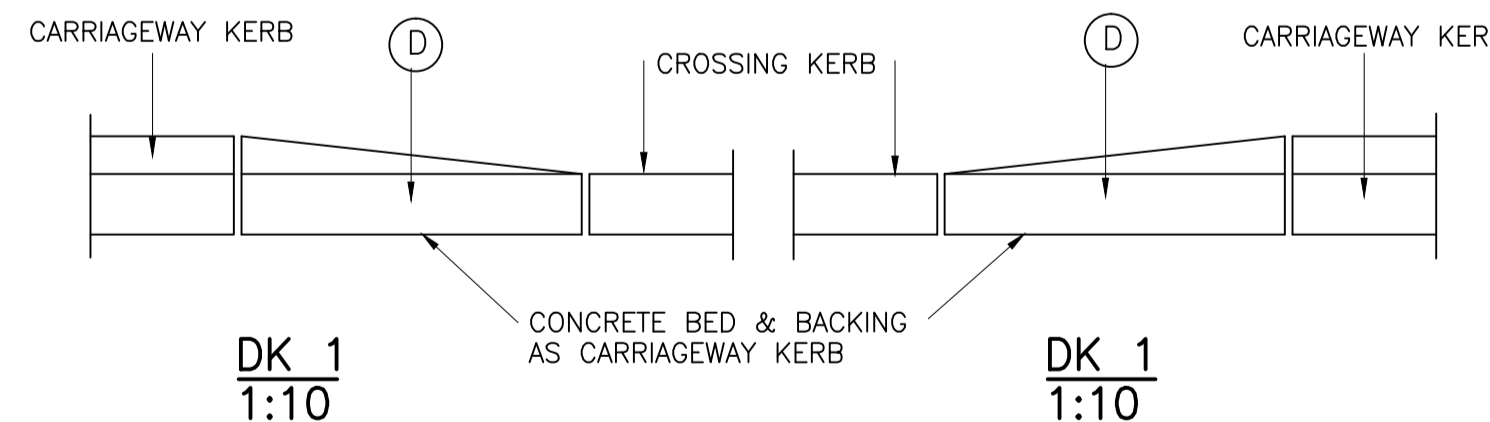


**CROSSING KERB 1:10**

**EDGINGS 1:10**

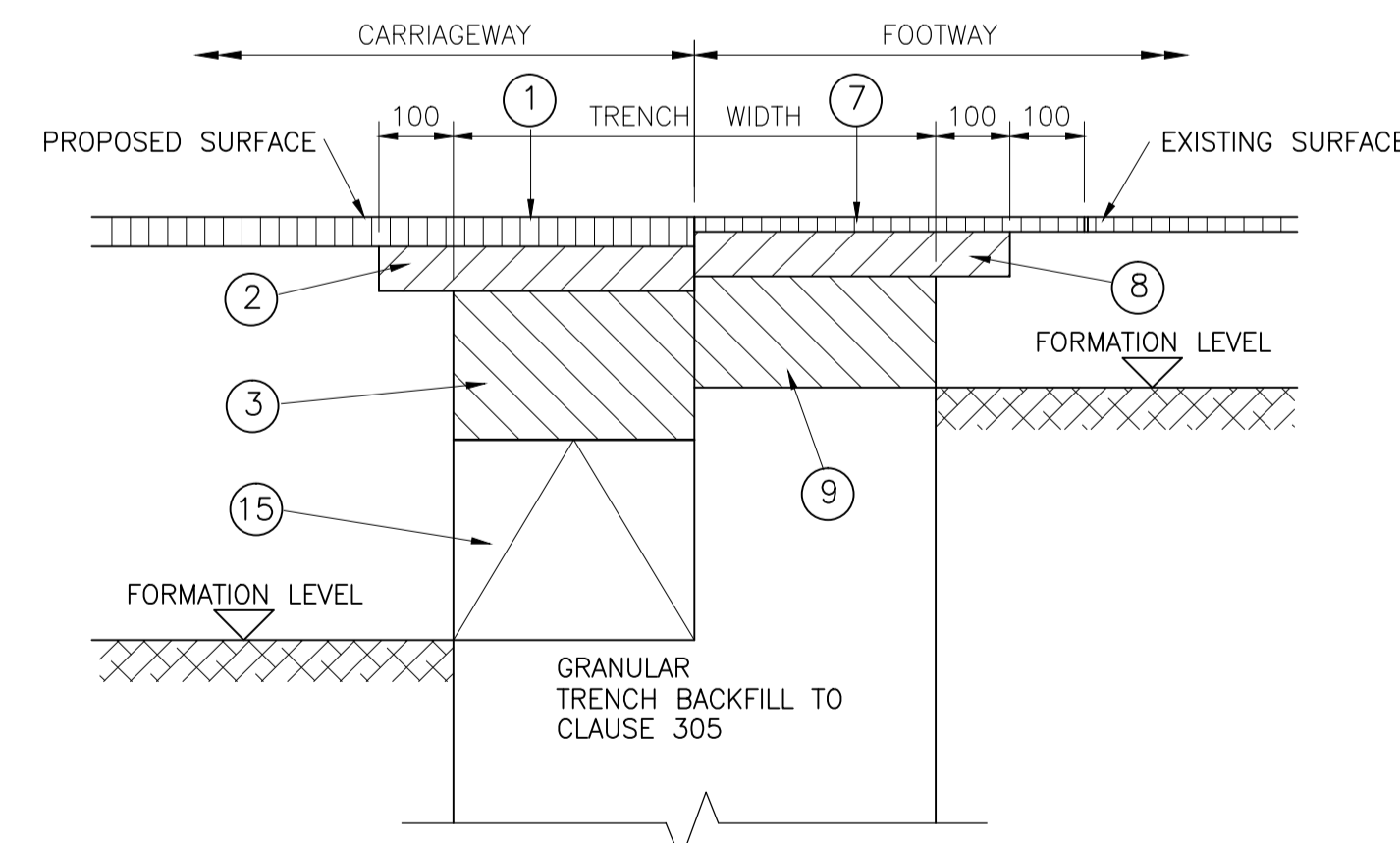
**KERB TO CARRIAGEWAY 1:10**

**KERB TO CARRIAGEWAY 1:10**



**KERB DETAILS:**

- 16 15mm DESIGNATION (i) MORTAR TO CLAUSE 2404 DOT SPECIFICATION.
- 17 CONC. BASE & BACKING ST4  
NOTE: ALL PC KERBS TO BS EN 1340:2003.
- A 255 x 125 HALF BATTER KERB TYPE HB2. TO BS EN 1340 : 2003 PART 1
- B 150 x 125 BULLNOSED KERB TYPE BN.
- C 150 x 50 FLAT TOP EDGING TYPE EF
- D DROPPER KERB TYPE 1 HALF BATTER TO BULLNOSE:  
TYPE DR1 OR DL1.
- E 255 x 125 45° SPLAYED KERB TO BS EN 1340 : 2003 PART 1



**TRENCH REINSTATEMENT-EXISTING HIGHWAY 1:10**

- 15 250mm MIN. THICKNESS GRANULAR SUB-BASE MATERIAL TYPE 1 CLAUSE 803 DOT  
SPEC. THICKNESS TO BE INCREASED WHERE EXISTING ROAD CONSTRUCTION IS  
GREATER THAN 450mm.

**NOTES**

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CONTRACTORS MUST CHECK ALL DIMENSIONS  
ON SITE. ONLY FIGURED DIMENSIONS ARE TO  
BE WORKED FROM. DISCREPANCIES MUST BE  
REPORTED IMMEDIATELY TO JUBB CONSULTING  
ENGINEERS LTD.  
ALWAYS CHECK FOR LATER REVISIONS OF THIS  
DRAWING.

- 1. ALL WORK TO BE IN ACCORDANCE WITH THE  
CURRENT DOT SPECIFICATION FOR HIGHWAY  
WORKS 6
- 2. THIS DRG. TO BE READ IN CONJUNCTION WITH  
THE JUBB CONSULTING ENGINEERS LIMITED  
SURFACING SPECIFICATION LAYOUT P9567 H107  
& SPECIFICATION DOCUMENT H108.

REV	DATE	DESCRIPTION	DR'N	CH'K	APP'D	ENG
E	16:07:12	CONSTRUCTION ISSUE.			S.H	T.A
D	29:08:12	Crossing kerb detail amended as per 10001			S.H	
C	15:12:11	New construction tie-in amended.			S.H	
B	17:11:11	TENDER ISSUE.			S.H	
A	30:09:11	ORIGINAL ISSUE.			S.H	

Issue Status	
<input type="checkbox"/> CONCEPT	<input checked="" type="checkbox"/> CONSTRUCTION
<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> H&S FILE ISSUE
<input type="checkbox"/> TENDER	<input type="checkbox"/>

Project  
**BRIXHAM ROAD PAIGNTON**

Detail  
**ROAD CONSTRUCTION  
DETAILS**

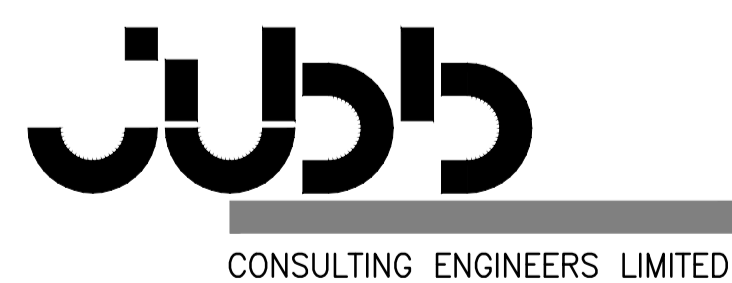
Client/Architect  
**CAVANNA HOMES (SW LTD)  
PARKBAY DEVELOPMENTS LTD**

Scale  
**AS SHOWN**

Project Ref  
**P9464**

Drawing No  
**H122**

Rev  
**E**



CIVIL STRUCTURAL ENVIRONMENTAL

BRISTOL  
TEL 0117 922 6266  
FAX 0117 922 6813  
E.MAIL: BRISTOL@JUBB.UK.COM

FARNBOROUGH  
TEL 01252 551020  
FAX 01252 551025  
E.MAIL: FARNBOROUGH@JUBB.UK.COM

CARDIFF  
TEL 02920 524444  
FAX 02920 524445  
E.MAIL: CARDIFF@JUBB.UK.COM

PLYMOUTH  
TEL 01752 797000  
FAX 01752 797001  
E.MAIL: PLYMOUTH@JUBB.UK.COM