

JOINT DETAIL NOTES:

- G-F TACK COAT EXISTING CARRIAGEWAY.
E-F PLANE AS NECESSARY TO RECEIVE SURFACE COURSE.
H-E PLANE AS NECESSARY TO RECEIVE BINDER COURSE.
G-H PLANE AS NECESSARY TO RECEIVE BASE.

5. MINIMUM JOINT LAPS

TYPE OF JOINT	X	Y	Z
TRANSVERSE	1000	1000	1000
LONGITUDINAL	300	300	300
45° SKEW	500	500	500

6. JOINTS IN SURFACE COURSE ARE TO BE PERPENDICULAR TO, OR PARALLEL WITH, THE CARRIAGEWAY EDGE
7. IF THE REMAINING DEPTH OF EXISTING BITUMINOUS MATERIAL BETWEEN G & H IS LESS THAN 100 IT IS TO BE EXCAVATED & REPLACED WITH FULL NEW CARRIAGEWAY CONSTRUCTION.
8. THE WORK SHOWN ON THIS DRAWING COULD AFFECT STATUTORY UNDERTAKERS APPARATUS AND THE CONTRACTOR IS REQUIRED TO VERIFY THE LOCATION AND DEPTH PRIOR TO THE COMMENCEMENT OF WORK AND TAKE ALL PRECAUTIONS NECESSARY WHEN WORKING IN THE VICINITY OF SUCH APPARATUS. UTILITY INFORMATION IS PRODUCED FROM A DIGITAL SOURCE AND NO GUARANTEE CAN BE GIVEN REGARDING ITS ACCURACY. IT IS THE RECIPIENTS RESPONSIBILITY TO CHECK THE ACCURACY OF MEASUREMENTS GIVEN. SHOULD DISCREPANCY OCCUR PLEASE CONTACT THE ISSUING AUTHORITY TO SEEK CLARIFICATION.
9. THE USE OF THIS DRAWING DOES NOT ABSOLVE THE CLIENT OF THEIR RESPONSIBILITIES UNDER HEALTH & SAFETY: THE CONSTRUCTION (DESIGN & MANAGEMENT) REGULATIONS 2015

50mm THICK PRECAST RIB PAVING SLAB TO DD CEN/TS 15209: 2008

50mm MORTAR DESIGNATION (I) TO CLAUSE 2404 (SHW) (CEMENT/SAND RATIO 6:1).

150mm MIN. TYPE 2 SUB BASE

TACTILE PAVING BEDDING DETAILS

- BUSTER PAVING NOTES**
1. REFER TO TUMU DRAWING '19700-H02 ADOPTABLE KERBING AND SURFACING' AND WILTSHIRE COUNCIL DRAWING 'WC-HCD-1100-D003'.
 2. COLOUR TO BE BUFF OR CONTRASTING COLOUR, OTHER THAN RED, FOR UNCONTROLLED CROSSINGS.
 3. TACTILE PAVING TO BE LAID IN ACCORDANCE WITH THE REQUIREMENT OF DETRA DOCUMENT - 'GUIDANCE ON THE USE OF TACTILE PAVING SURFACES 2021'.
 4. THE ACTUAL DEPTH OF THE SLAB WILL BE RELATED TO THE MATERIALS USED TO CONSTRUCT THE MODULES.

80mm THICK BLOCK PAVING (200X100mm)
- TYPE AND COLOUR TO BE CONFIRMED

20/30mm (COMPACTED) GRIT SAND LAYING COURSE

100mm BASE COURSE DENSE AC 32 BASE 40/60 PEN

350mm TYPE 2 GRANULAR SUB-BASE (MCDHW CLAUSE 803)
UNDER LAIN BY 250mm 6F2 CAPPING. ASSUMES CBR 2.5%
SUBJECT TO CONFIRMATION BY ON-SITE TESTING. TREATMENT
OF SOFT SUBGRADES SHOULD BE IN ACCORDANCE WITH CD
225. SEE TABLE 1.

25mm BN KERB

25mm BN KERB

NOTES

1. ALL BLOCK PAVING IS TO BE STRETCHER BOND AROUND ALL PAVIORS ABUTTING IN 45 DEG HERRINGBONE

20mm THICK SURFACE COURSE
AC6 DENSE SURF 100/150 (OR 160/220 - FOR HANDLAYING IN WINTER)
60mm THICK BASE COURSE
20mm AC DENSE BIN 40/92 (OR 160/220 - FOR HANDLAYING IN WINTER)
225mm THICK TYPE 2 GRANULAR SUB BASE

1:40 CROSSFALL

HALF BATTERED KERB TYPE HB2

GEOTEXTILE MEMBRANE (PROVISIONAL)
- THE ENGINEER MAY INCLUDE A GEOTEXTILE MEMBRANE TERRAM 1000 OR SIMILAR APPROVED OR GEOGRID WHERE DICTATED BY EXISTING GROUND CONDITIONS)

EDGING KERB TYPE EF

Diagram illustrating the cross-section of a road pavement structure, showing the following layers and specifications:

- 30mm SURFACE COURSE AC 10 CLOSE SURF 100/150 PEN, MIN PSV 55, MAX AAV 16
- 60mm BINDER COURSE DENSE AC 20 BIN 40 PEN
- 100mm BASE COURSE DENSE AC 32 BASE 40 PEN
- 350mm Type 2 SUB-BASE (ASSUMES CBR 2.5% SUBJECT TO CONFIRMATION BY ON-SITE TESTING)
- 250mm 6F2 CAPPING (ASSUMES CBR 2.5% SUBJECT TO CONFIRMATION BY ON-SITE TESTING)
- HB2 KERB

Additional notes on the left side of the diagram:

- IN
- 4 A SINGLE
- ON WORK.
- ANEL TO BE

Technical drawing of a dropped kerb (BN) showing dimensions and construction details. The drawing includes a cross-section of the kerb and its foundation. Key dimensions and labels are as follows:

- Dimensions:**
 - Top kerb width: 150
 - Top kerb height: 50
 - Foundation width: 50
 - Foundation height: 50
 - Foundation depth: 150
 - Foundation base width: 25
- Labels and Notes:**
 - 125x150 PRECAST CONCRETE KERB TO BS.7263 PART 1 FIG. 1(a)
 - KERB UPSTAND:
 - RAMPED VEHICULAR CROSSING - LAID FLUSH
 - PEDESTRIAN CROSSING - 6-10mm
 - VEHICULAR CROSSING - 25mm
 - SHARED SURFACES - 50mm
 - DEPTH OF CONCRETE FOUNDATION SHALL BE NOT LESS THAN 150mm AND SHALL BE SUFFICIENT TO ALLOW THE FOUNDATION TO BE PLACED ON OR BELOW THE SUB-BASE COURSE
 - BT1 CONCRETE FOUNDATION AND BACKING
 - DROPPED KERB (BN)
 - AT PEDESTRIAN CROSSINGS, DROPPED KERB SHOULD HAVE KERB FACE LAID TO SLOPE OF ADJACENT FOOTWAY TO HELP AVOID PONDING AT THE CROSSING POINTS

- NOTES:
1. REFER TO TUMU DRAWING, '19700-H02 ADAPTABLE KERBING AND SURFACING' AND WILTSHIRE COUNCIL DRAWING, 'WC-HCD-1100-D001'.
 2. ALL PRECAST CONCRETE UNITS ARE TO CONFORM TO AND BE LAID IN ACCORDANCE WITH CL.1101 OF THE SPECIFICATION FOR HIGHWAY WORKS LATEST EDITION.
 3. CONTRACTOR SHOULD PROVIDE MECHANICAL LIFTING AIDS FOR ITEMS HEAVIER THAN 20kgs. IF MECHANICAL LIFTING AIDS ARE IMPRACTICAL A RISK ASSESSMENT SHOULD BE UNDERTAKEN WHICH IDENTIFIES THE APPROPRIATE CONTROL MEASURES REQUIRED TO AVOID RISK OF INJURY FROM MANUAL HANDLING.
 4. FOR RADII GREATER THAN 25m, FULL LENGTH KERBS TO BE USED. FOR RADII LESS THAN 25m, 600mm KERBS TO BE USED. FOR RADII LESS THAN 12m, RADIUS KERBS TO BE USED.
 5. UNLESS OTHERWISE STATED FOR KERB UPSTANDS REFER TO GA DRAWINGS.

SCALE 1:10

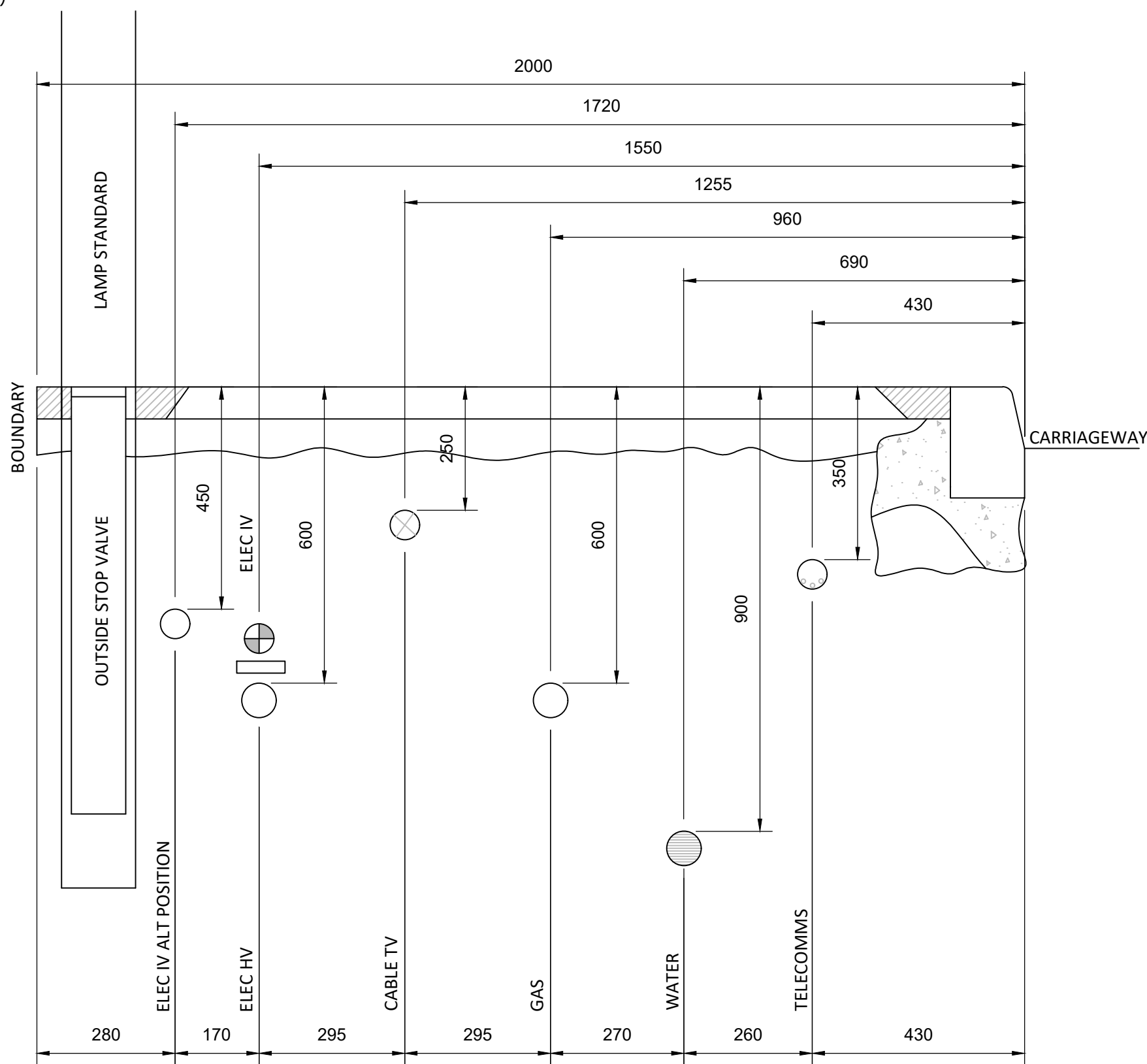
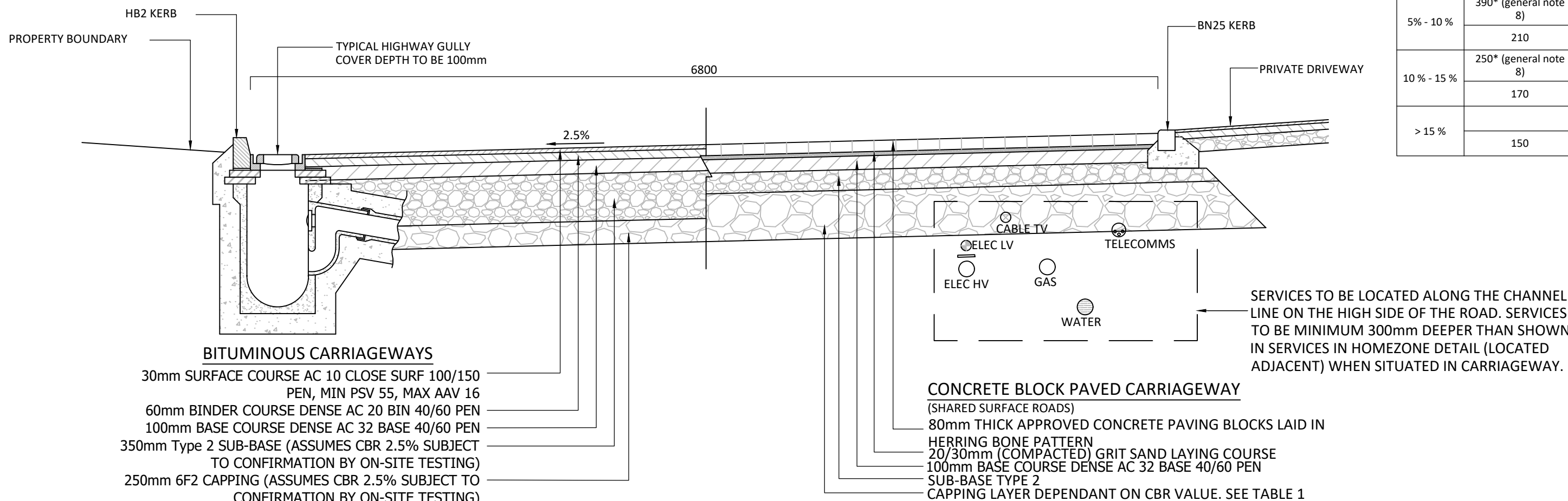


Figure 1 is a cross-sectional diagram of a pavement structure. It shows two horizontal layers. The top layer is labeled 'COURSE' and has a hatched pattern. The bottom layer is also labeled 'COURSE' and has a different hatched pattern. A vertical line on the right indicates the 'DEPTH OF EXISTING BITUMINOUS MATERIAL'. Points G, H, E, and F are marked on the cross-section. Horizontal dimensions X, Y, and Z are indicated at the bottom.



SCALE 1:25

FOUNDATION THICKNESS TO SUIT SITE CBR TESTS				
CBR OF SUBGRADE	CAPPING		SUB-BASE	FOUNDATION TYPE
<2.5%	See general note 9			
2.5% - 5%	550* (general note 8)	or	450* (general note 8)	1
	250	and	350	2
5% - 10%	390* (general note 8)	or	320* (general note 8)	1
	210	and	240	2
10% - 15%	250* (general note 8)	or	230* (general note 8)	1
	170	and	180	2
> 15%			200	1
	150	and	150	2

NOTES:

1. PSI D6691 GUIDANCE ON THE USE OF BS EN 13108, BITUMINOUS MIXTURES - MATERIAL SPECIFICATIONS
2. 160/220 PEN BINDER MAY BE CONSIDERED FOR USE DURING WINTER MONTHS BUT PRIOR APPROVAL FOR ITS USE MUST BE OBTAINED FROM WILTSHIRE COUNCIL.
3. 40/60 PEN BINDER SHALL NOT BE USED FOR HAND LAYING.
4. MINIMUM PSV VALUE STATED, TABLE 3 HD36/06 AND APPROPRIATE SITE CATEGORISATION / INVESTIGATORY LEVEL TO BE CHECKED BY THE DEVELOPER TO ENSURE THE SITE LAYOUT DOES NOT DEMAND HIGHER MIN PSV VALUE.
5. MAXIMUM AAU VALUE STATED, TABLE 3.2 HD36/06 TO BE CHECKED BY DEVELOPER TO TRAFFIC FLOWS DO NOT DEMAND LOWER MAXIMUM AAU VALUES.
6. PERMANENT OPTION ONLY WHERE SURFACE TEXTURE IS NOT A CONSIDERATION
7. CAPPING LAYERS TO MCHW CLAUSE 613 TYPES 6F1, 6F2, 6F4 AND 6F5
8. SUB-BASE LAYERS TO MCHW CLAUSES 803, 804, 805 AND 806.
9. * NOT PERMITTED WHERE PAVEMENTS ARE DESIGNED FOR MORE THAN 20MSA.
10. WHERE A CBR VALUE IS LESS THAN 2.5% AN ALTERNATIVE SUBGRADE DESIGN INVOLVING GEOTEXTILES OR SOIL STABILISATION MUST BE CONSIDERED BY THE DEVELOPER.
11. REFER TO DRAWINGS WC-HDB-1100-D001-FOR APPROVED KERB TYPE SELECTION.
12. PRIOR TO THE COMMENCEMENT OF LAYING THE FORMATION SHALL BE TREATED WITH AN APPROVED RESIDUAL WEEDKILLER.
13. THE ENGINEER MAY REQUEST INCLUSION OF A NON-WOVEN SEPARATION MEMBRANE TO MITIGATE WEED/ROOT INTRUSION.
14. THE ENGINEER MAY REQUEST THE SUB-BASE DEPTH OR INCLUDE A GEOTEXTILE OR GEOGRID ON FORMATION WHERE SITE SURROUND CONDITIONS ARE CONSIDERED TO BE SUB-STANDARD.
15. NOT SUITABLE WHERE 'NO-DIG' CONSTRUCTION IS REQUIRED.
16. ASPHALT CONCRETE TO BE IN ACCORDANCE WITH BS EN 13108-01 AND BS 594987.
17. HOT ROLLED ASPHALT TO BE IN ACCORDANCE WITH BS EN 13108-04 AND BS 594987.
18. WHERE BLOCK PAVIORS ARE THE PROPOSED SURFACE COURSE THEY MUST TO BE IN ACCORDANCE WITH BS 7533-2 2001CATEGORY II TRAFFICING. PRIOR APPROVAL REQUIRED.
19. TOTAL CARRIAGEWAY CONSTRUCTION DEPTH MUST BE GREATER THAN 450mm TO NEGATE SUSCEPTIBILITY TO FROST PENETRATION, RESPECTIVE OF CBR VALUE.
20. MORE MAJOR ROADS SHALL HAVE A BESPOKE PAVEMENT DESIGN IN ACCORDANCE WITH HDB STANDARD.
21. CARRIAGEWAY WIDENING TO WIDTHS OF LESS THAN 1m; BASE AND SUB-BASE TO BE REPLACED WITH ST4 CONCRETE WITH THE SAME OVERALL CONSTRUCTION DEPTH AS THE STANDARD CONSTRUCTION.
22. PSV REQUIREMENTS SHALL BE DECLARED IN ACCORDANCE WITH HD 36/06 TABLE 3.1.
23. CBR VALUES TO BE OBTAINED FROM SITE INVESTIGATION REPORT AND LABORATORY TESTING. THE WC / ATKINS ENGINEER MAY REQUEST ADDITIONAL TESTS.
24. THE WORK SHOWN ON THIS DRAWING COULD AFFECT STATUTORY UNDERTAKERS APPARATUS AND THE CONTRACTOR IS REQUIRED TO VERIFY THE LOCATION AND DEPTH PRIOR TO THE COMMENCEMENT OF WORK AND TAKE ALL PRECAUTIONS NECESSARY WHEN WORKING IN THE VICINITY OF SUCH APPARATUS. UTILITY INFORMATION IS PRODUCED FROM A DIGITAL SOURCE AND NO GUARANTEE CAN BE GIVEN REGARDING ITS ACCURACY. IT IS THE RECIPIENTS RESPONSIBILITY TO CHECK THE ACCURACY OF MEASUREMENTS GIVEN. SHOULD DISCREPANCY OCCUR PLEASE CONTACT THE ISSUING AUTHORITY TO SEEK CLARIFICATION.
25. THE USE OF THIS DRAWING DOES NOT ABSOLVE THE CLIENT OF THEIR RESPONSIBILITIES UNDER HEALTH & SAFETY: THE CONSTRUCTION (DESIGN & MANAGEMENT) REGULATIONS 2010.

C	AMENDED TO SUIT ATKINS COMMENTS AND WILTSHIRE STANDARD DETAILS	03/03/25	AW	S
B	BLOCK PAVED TRANSITON STRIP DETAIL ADDED	16/12/24	SMR	F
A	FIRST ISSUE	04/10/24	SMR	F
REV.	DESCRIPTION	Date	BY	CHECKED

DESIGN BY:



CLIENT:

Vistry Group



ARCHITECT

GCP

DRAWING STATUS:

FOR TECHNICAL APPROVAL

SCALE @ A1

NOT TO SCALE

PROJECT:

LAND AT THE STREET, HULLAVINGTON

TITLE:

ADOPTABLE HIGHWAY DETAILS
SHEET 1 OF 2

PROJECT No: 19700

DRAWING No: H03

REV: