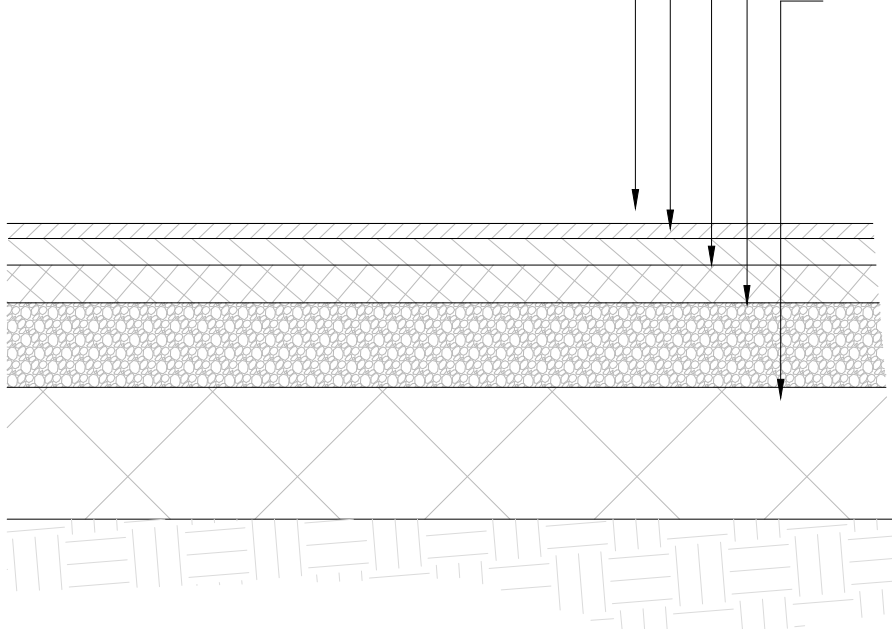


ADOPTABLE HIGHWAY - ASPHALT CONSTRUCTION

- SURFACE COURSE  
40mm AC 10 CLOSE SURF 70/100 REC (TO CL 912 SHW)
- BINDER COURSE  
70mm OF AC 20 HDM BIN 40/60 DES (TO CL 929 SHW)
- BASE COURSE  
100mm AC32 HDM BASE 40/60 REC (TO CL 929 SHW)
- SUB-BASE  
TYPE 1 GRANULAR SUB-BASE MATERIAL TO CLAUSE 803 MCHW. DEPTH IN ACCORDANCE WITH TABLE
- CAPPING LAYER (\*)  
TYPE 6F1 MATERIAL TO CLAUSE 613 MCHW. DEPTH IN ACCORDANCE WITH TABLE



ADOPTABLE HIGHWAY - ASPHALT CONCRETE  
(1:20)

| SUB BASE |                                  |
|----------|----------------------------------|
| CBR > 5% | 300mm TYPE 1 GRANULAR SUB BASE   |
| 2 - 5%   | 225mm TYPE 1 + 350 CAPPING LAYER |
| <2%      | 225mm TYPE 1 + 600 CAPPING LAYER |

\* DESIGN BASED ON 3% CBR. IF LOWER VALUES ENCOUNTERED, ARDENT CONSULTING ENGINEERS TO BE CONSULTED TO REVISE DESIGN

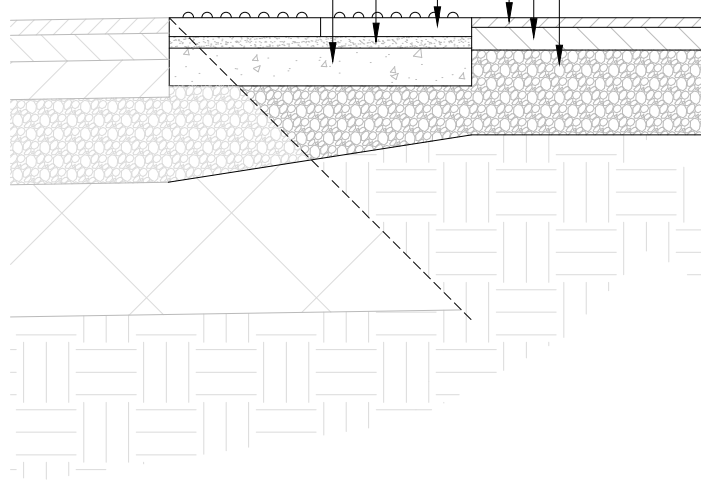
ADOPTABLE FOOTPATH - ASPHALT CONSTRUCTION -

- SURFACE COURSE  
25mm AC 6 DENSE SURF 40/60 (TO CL 909 SHW) OR;  
80mm THICK BLOCK PAVERS JOINTED AND LAID ON  
30mm CAT II SAND IN ACCORDANCE WITH BS 7533
- BINDER COURSE  
60mm OF AC 20 BIN 40/60 REC (TO CL 906 SHW)
- SUB-BASE  
225mm TYPE 1 GRANULAR SUB-BASE MATERIAL TO CLAUSE 803 MCHW.

FOOTWAY CONSTRUCTION DETAIL  
(1:20)

PEDESTRIAN TACTILE PAVING

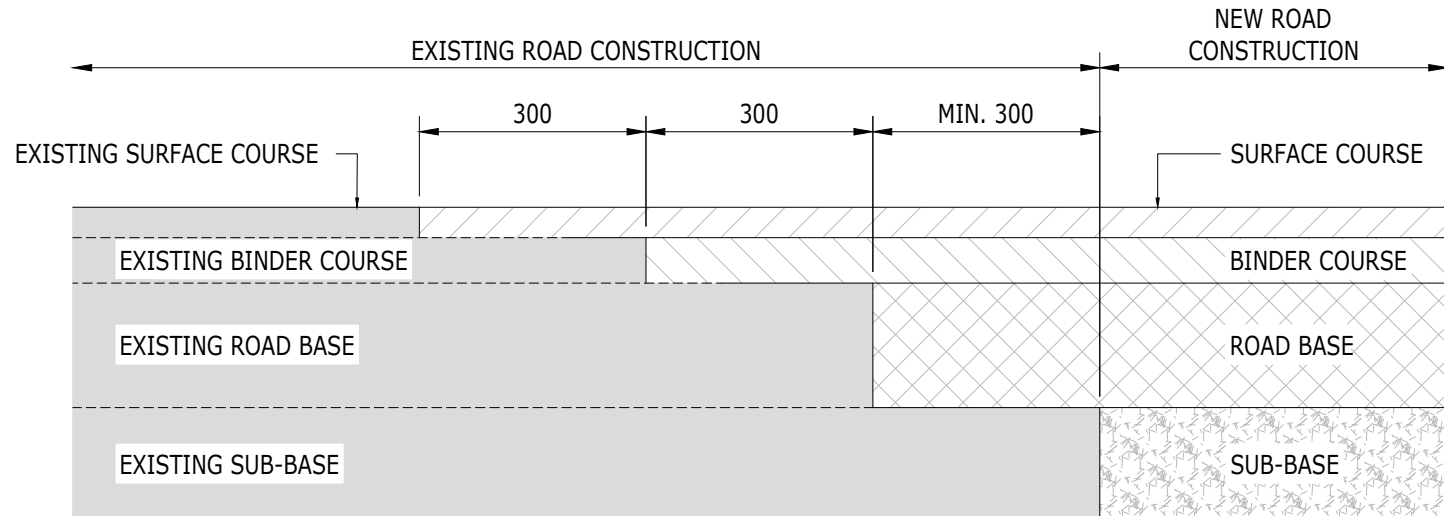
- SURFACE COURSE  
400x400x50mm TACTILE WARNING PAVERS
- LAYING COURSE  
30mm COMPACTED CAT II SAND LAID IN ACCORDANCE WITH BS 7533-3
- BASE COURSE  
100mm ST3 CONCRETE UNDER FULL EXTENT OF TACTILE PAVING
- SUB-BASE  
TO RUN BETWEEN ADJACENT CONSTRUCTIONS



SECTION THROUGH THE TACTILE PAVING & FOOTWAY  
(1:20)

ADOPTABLE FOOTPATH - ASPHALT CONSTRUCTION -  
IN ACCORDANCE WITH BaNES "FOOTWAYS"

- SURFACE COURSE  
25mm AC 6 DENSE SURF 40/60 (TO CL 909 SHW) OR;  
80mm THICK BLOCK PAVERS JOINTED AND LAID ON  
30mm CAT II SAND IN ACCORDANCE WITH BS 7533
- BINDER COURSE  
60mm OF AC 20 BIN 40/60 REC (TO CL 906 SHW)
- SUB-BASE  
225mm TYPE 1 GRANULAR SUB-BASE MATERIAL TO CLAUSE 803 MCHW.



EXISTING ROAD CONSTRUCTION ABOVE SUB-BASE TO BE CUT OUT IN 300mm STEPS AS SHOWN AND REPLACED WITH NEW FLEXIBLE MATERIAL WITH STAGGERED LAPS BEYOND TIE-IN.

TYPICAL TIE-IN DETAIL BETWEEN  
NEW AND EXISTING CONSTRUCTION  
(1:10)

REFER TO CONSTRUCTION NOTE REGARDING BOND COATS BETWEEN BITUMINOUS MATERIALS.

TESTING

CBR TESTING  
(IN ACCORDANCE WITH BaNES ADOPTABLE HIGHWAY CONSTRUCTION MATERIALS DOCUMENT 'TESTING REQUIREMENTS' DOC REF AUGUST2017REV4)

SURFACE COURSE  
'IN HOPPER' DELIVERY TEMPERATURE AND "EXIT SCREED" ROLLING TEMPERATURE READINGS IN ACCORDANCE WITH BS EN 12697-13:2000

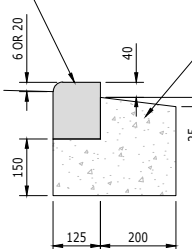
BINDER COURSE  
'IN HOPPER' DELIVERY TEMPERATURE AND "EXIT SCREED" ROLLING TEMPERATURE READINGS IN ACCORDANCE WITH BS EN 12697-13:2000

BASE  
'IN HOPPER' DELIVERY TEMPERATURE AND "EXIT SCREED" ROLLING TEMPERATURE READINGS IN ACCORDANCE WITH BS EN 12697-13:2000

SUB BASE  
ON FINISHED SURFACE OF CAPPING LAYERS IN-SITU PLATE LOADING TESTS SHALL BE CONDUCTED (IN ACCORDANCE WITH IAN 73/06 REVISION 1 2009, CLAUSE 7.14 - EMPIRICAL RELATIONSHIP) OR OTHER METHOD APPROVED BY BaNES

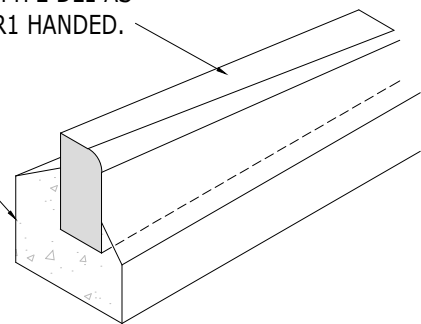
CAPPING  
ON FINISHED SURFACE OF CAPPING LAYERS IN-SITU PLATE LOADING TESTS SHALL BE CONDUCTED (IN ACCORDANCE WITH IAN 73/06 REVISION 1 2009, CLAUSE 7.14 - EMPIRICAL RELATIONSHIP) OR OTHER METHOD APPROVED BY BaNES

125 x 150mm TYPE BN DROPPED KERB. 0-6mm UPSTAND FOR PEDESTRIAN ACCESS OR 25mm FOR VEHICULAR ACCESS.



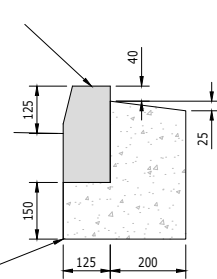
KERB DETAIL-TYPE BN (DROPPED)

HALF-BATTER TO BULLNOSE DROPPER KERB. TYPE DL1 AS SHOWN, TYPE DR1 HANDED.



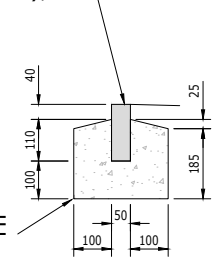
DROPPER KERB  
TYPE DL1 (& DR1 handed)  
(N.T.S.)

125 x 255mm TYPE HB2 KERB, WITH 125mm UPSTAND.



KERB DETAIL-TYPE HB2

50 x 150mm TYPE EF EDGING (FLAT-TOP), NO UPSTAND.



EDGING TYPE EF

100mm ST2 CONCRETE BED AND HAUNCH TO CL. 2602 OF MCHW1.

GENERAL NOTES:

- THIS DRAWING SHOULD BE REVIEWED TOGETHER WITH ALL OTHER DRAWINGS, ENGINEERING DETAILS, SPECIFICATIONS, AND ANY RELEVANT SPECIALIST DOCUMENTS. ANY INCONSISTENCIES OR DISCREPANCIES SHOULD BE REPORTED TO ARDENT CONSULTING ENGINEERS.
- DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
- ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
- PRIOR TO COMMENCING WORK ON THE SITE, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND CONFIRMING ALL BUILDING AND SITE DIMENSIONS AND LEVELS, INCLUDING EXISTING SEWER INVERT LEVELS. THE CONTRACTOR MUST COMPLY WITH CURRENT BUILDING LEGISLATION, BRITISH STANDARDS, BUILDING REGULATIONS, AND OTHER RELEVANT REQUIREMENTS.
- NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PRIOR PERMISSION FROM THE ENGINEER.
- ALL MATERIALS AND WORKMANSHIP SHALL COMPLY FULLY WITH THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS, VOLUME ONE, (MCHW1) SPECIFICATION FOR HIGHWAY WORKS.
- THE CONTRACTOR SHALL UNDERTAKE SUCH MATERIALS TESTING AS INDICATED IN THE SPECIFICATIONS AND SHALL INCLUDE THE COST OF TESTING IN THE TENDER.
- THE CONTRACTOR MUST SURVEY AND VERIFY THE LOCATION OF EXISTING SERVICES AND STATUTORY UNDERTAKERS APPARATUS THAT INTERSECT PROPOSED EXCAVATIONS BEFORE BEGINNING ANY WORK.
- WHERE NECESSARY, ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF AT AN APPROVED TIP OFF-SITE.
- THE PUBLIC HIGHWAY AND WORKS WILL BE KEPT CLEAN AND FREE OF DEBRIS BY USE OF WHEEL WASHING FACILITIES AND ROAD SWEEPERS TO THE COUNCIL'S SATISFACTION.
- ALL SETTING OUT, COVERS AND BOX COVERS SHALL BE AGREED ON-SITE WITH THE ENGINEER, PRIOR TO THE COMMENCEMENT OF THE WORKS.
- THIS DRAWING IS PRESENTED IN SCHEMATIC FORM TO PROVIDE CLARITY ONLY. DUE TO SITE CONDITIONS, PIPE RUNS AND MANHOLE LOCATIONS MAY DIFFER ON-SITE.

KERB NOTES:

- KERB FOUNDATION TO BE LAID ON ROLLED SUB-BASE OF MINIMUM THICKNESS 150mm.
- THE KERB BED AND BACKING SHALL NORMALLY BE LAID IN ONE OPERATION.
- WHERE THE BED IS LAID IN ADVANCE OF THE KERBS A 200x20mm DIA. MILD STEEL DOWEL BARS WILL BE REQUIRED IN BACKING AT 600mm CENTRES AND KERBS WILL BE BEDDED ON 10mm THICK MORTAR TO DESIGNATION (I) OF CL. 2404 OF SHW.
- KERBS SHALL BE LAID WITH DRY JOINTS AND CLOSELY BUTTED LEAVING A 2-3mm GAP AT EACH JOINT FOR EXPANSION.
- TRANSITION KERBS SHALL BE USED AT ALL CHANGES IN KERB FACE.
- FOR KERB AND CHANNEL RADII OF 12m OR LESS, THE APPROPRIATE RADIUS SHALL BE USED.
- CUTTING KERBS AND CHANNELS SHALL BE OF AN APPROVED MECHANICAL MEANS.
- THE LENGTH OF ANY KERB OR CHANNEL SHALL NOT BE LESS THAN 300mm.

CONSTRUCTION NOTES:

- ALL SOFT SPOTS AND VOIDS SHALL BE REMOVED BEFORE CONSTRUCTION AND REPLACED WITH SUITABLE FILL MATERIAL.
- ROAD FORMATION TO BE IN ACCORDANCE WITH CLAUSE 616 AND COMPACTED IN ACCORDANCE WITH TABLE THE REQUIREMENTS OF 6/4 OF THE SPECIFICATION FOR HIGHWAY WORKS - SERIES 600 EARTHWORKS.
- A RESIDUAL TRANSLOCATED TOTAL HERBICIDE WITH SOME CONTACT EFFECT, BUT NON-POISONOUS TO HUMAN BEINGS, ANIMALS AND INSECTS SHALL BE SPRAY APPLIED TO ALL FORMATIONS. THE PROPOSED HERBICIDE TO BE USED BY THE CONTRACTOR MUST FIRST OBTAIN ITS APPROVAL BY THE HIGHWAY AUTHORITY.
- ALL CONCRETE AND CEMENT MORTAR MUST BE SULPHATE RESISTING TO BS 4021.
- MINIMUM DEPTH OF 450mm CONSTRUCTION IS REQUIRED FOR NON-FROST SUSCEPTIBLE MATERIAL.
- FOR ALL BITUMINOUS MATERIALS, TRANSPORTATION, LAYING, COMPACTION AND TYPE TESTING PROTOCOLS SHALL CONFORM TO BS 5948:2010.
- BOND COATS SHALL BE APPLIED BETWEEN BOUND LAYERS OF BITUMINOUS MATERIALS BY METERED MECHANICAL SPRAYING EQUIPMENT, SPRAY TANKER OR SPRAYING DEVICE INTEGRAL WITH THE PAVING MACHINE. BOND COATS SHALL HAVE BBA CERTIFICATION AND COMPLY WITH CLAUSE 920 OF MCHW1.

CDM NOTES:

THE ATTENTION OF THE CLIENT AND THE PRINCIPAL CONTRACTOR IS DRAWN TO THE FOLLOWING POTENTIAL RISKS IN CONJUNCTION WITH THE PROPOSED ON-SITE AND OFF-SITE WORKS AS DESIGNED FOR THIS PROJECT:

- WORKS IN THE VICINITY OF LIVE SERVICES WILL BE NECESSARY AND THE ADVICE OF ALL STATUTORY SERVICE COMPANIES MUST BE SOUGHT BEFORE ANY WORKS COMMENCE.
- WORKS WITHIN AND ABUTTING THE EXISTING HIGHWAY WILL ENTAIL TRAFFIC HAZARDOUS AND ALL APPROPRIATE SAFETY MEASURES INCLUDING BARRIERS, SIGNS AND LIGHTING MUST BE UNDERTAKEN TO THE APPROVAL OF THE LOCAL AUTHORITY, THE HIGHWAY AUTHORITY AND THE POLICE.
- HAZARDOUS MATERIALS INCLUDING CEMENT AND BITUMINOUS MATERIALS ARE SPECIFIED AND THE MANUFACTURER'S ADVICE ON SAFE HANDLING PROCEDURES MUST BE OBTAINED AND MADE CLEAR TO ALL OPERATIVES.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES WITHIN THE VICINITY OF THE WORKS AND ENSURE THESE ARE PROTECTED THROUGHOUT THE DURATION OF THE WORKS. ALL UTILITY PLANT SHOULD BE CLEARLY MARKED ON THE GROUND PRIOR TO COMMENCEMENT OF THE WORKS.
- THE CONTRACTOR MUST ENSURE ALL WORKING AREAS ARE FULLY SECURE.

ADOPTION NOTES:

- ALL WORKS FOR ADOPTION UNDER A SECTION 278 AGREEMENT MUST COMPLY WITH THE HIGHWAY AUTHORITY SPECIFICATION FOR ROAD CONSTRUCTION IN RESIDENTIAL AREAS AND TO THE APPROVAL OF THE AREA HIGHWAY AUTHORITY.
- THE WORKS THAT ARE INTENDED TO BE ADOPTED THROUGH A SECTION 104 AGREEMENT MUST COMPLY WITH THE SEWER SECTOR GUIDANCE (JUNE 2022), RELEVANT APPENDICES AND MEET THE REQUIREMENTS OF THE DRAINAGE AUTHORITY.
- ANY WORKS CARRIED OUT ON-SITE BEFORE RECEIVING TECHNICAL APPROVAL FOR SECTION 104 AND SECTION 38 AGREEMENTS (INCLUDING STREET LIGHTING APPROVAL) WILL BE ENTIRELY AT THE DEVELOPER'S RISK.
- PRIOR TO THE COMMENCEMENT OF STREETLIGHT ERECTION, THE LOCAL AUTHORITY MUST APPROVE AND AGREE ON THE ON-SITE PEGGING OF STREETLIGHT POSITIONS.
- ADOPTED HIGHWAY - HIGHWAY INSPECTOR TO BE PRESENT DURING INSPECTIONS/ CBR TESTING
- STREET NAME PLATES - TO BE AGREED ON SITE WITH THE CLARK OF WORKS

|          |             |                  |     |     |      |
|----------|-------------|------------------|-----|-----|------|
| P1       | FIRST ISSUE | AD               | AMC |     |      |
| Rev      | Description | Drn              | Chk | App | Date |
| Purpose: |             | Status:          |     |     |      |
| DRAFT    |             | NOT YET APPROVED |     |     |      |

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| Client                           |  | GAINSBOROUGH GROUP |  |             |  |
| Project Title:                   |  |                    |  |             |  |
| DEVIZES COMMUNITY HOSPITAL       |  |                    |  |             |  |
| Drawing Title:                   |  |                    |  |             |  |
| SECTION 278 CONSTRUCTION DETAILS |  |                    |  |             |  |
| Drawn by<br>AMC                  |  | Checked by<br>AD   |  | Approved by |  |
| Scale                            |  | Date               |  | Revision    |  |
| AS SHOWN                         |  |                    |  | P1          |  |
| Drawing Number                   |  |                    |  |             |  |
| 2506810-ACE-000-00-DR-C-1111     |  |                    |  |             |  |