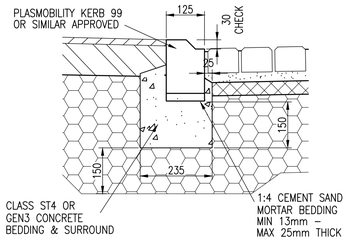


TYPICAL PCC (EF) FLAT TOP EDGING DETAIL A

(SCALE 1:10)

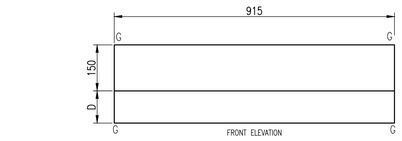


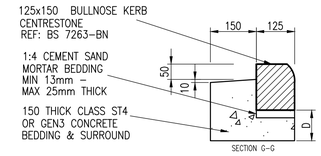
STANDARD ROAD TYPE 5b KERB DETAIL B

(SCALE 1:10)

KERB NOTES

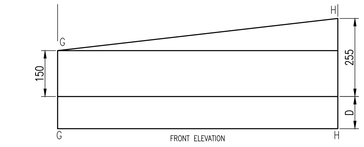
1. ALL DIMENSIONS ARE IN MILLIMETERS
2. THE DEPTH 'D' OF FOUNDATION BEDS, CHANNELS ETC SHALL UNLESS OTHERWISE SHOWN, BE MEASURED AT THE EDGE OF THE CARRIAGEWAY OR HARD SHOULDER DEFINED ON THE DRAWING AND SHALL INCLUDE THE MORTAR BED WHERE APPROPRIATE.
3. ALTHOUGH THE UNDERSIDE OF FOUNDATIONS ARE SHOWN HORIZONTAL ON THE STANDARD DETAIL DRAWINGS, ALLOWANCES MUST BE MADE FOR CROSS FALLS OF FORMATIONS AND PAVEMENT COURSES AND VERGES.
4. WHERE CONCRETE KERB OR CHANNEL ABUTS ROLLED ASPHALT WEARING COURSE, IT SHALL BE PAINTED WITH TACK COAT 200 PEN BITUMEN.

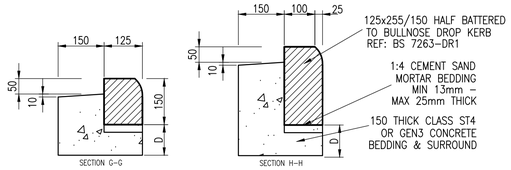




DETAIL C – KERB TYPE 16 BULLNOSED CENTRE FOR PEDESTRIAN CROSSINGS

(SCALE 1:10)

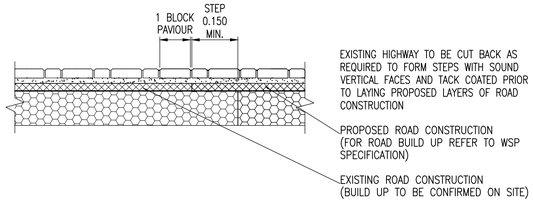




DETAIL D– KERB TYPE 17 RIGHT HAND TAPER FOR PEDESTRIAN CROSSINGS

(SCALE 1:10)

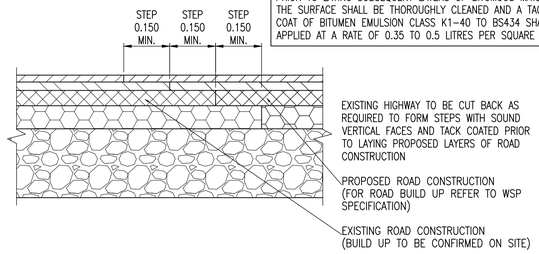
PRIOR TO LAYING SUBSEQUENT LAYERS OF BITUMOUS MATERIAL THE SURFACE SHALL BE THOROUGHLY CLEANED AND A TACK COAT OF BITUMEN EMULSION CLASS K1–40 TO BS434 SHALL BE APPLIED AT A RATE OF 0.35 TO 0.5 LITRES PER SQUARE METRE.



TYPICAL ROAD CONSTRUCTION TYING IN DETAIL E

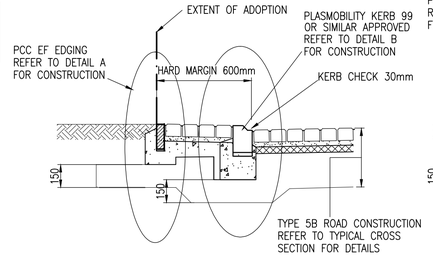
(NOT TO SCALE)

PRIOR TO LAYING SUBSEQUENT LAYERS OF BITUMOUS MATERIAL THE SURFACE SHALL BE THOROUGHLY CLEANED AND A TACK COAT OF BITUMEN EMULSION CLASS K1–40 TO BS434 SHALL BE APPLIED AT A RATE OF 0.35 TO 0.5 LITRES PER SQUARE METRE.



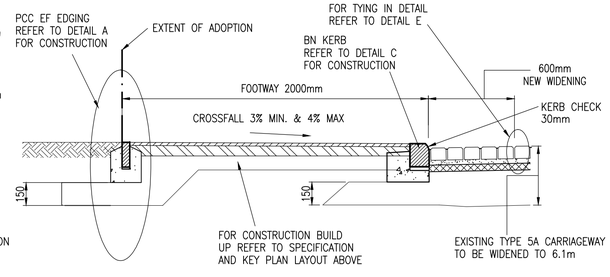
TYPICAL ROAD CONSTRUCTION TYING IN DETAIL F

(NOT TO SCALE)



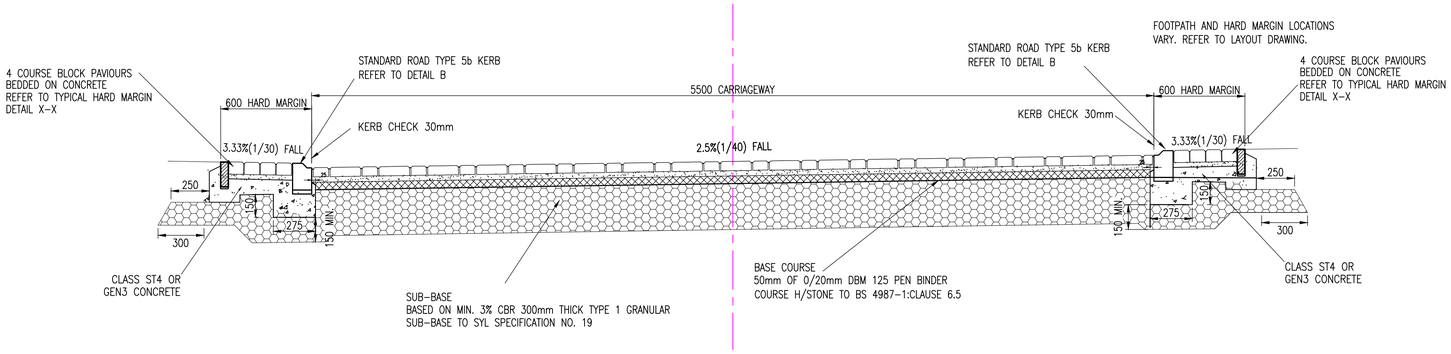
TYPICAL SECTION THROUGH PROPOSED SHARED HARD MARGIN (X–X)

(SCALE 1:20)



TYPICAL SECTION THROUGH PROPOSED SHARED FOOTPATH (Z–Z)

(SCALE 1:20)



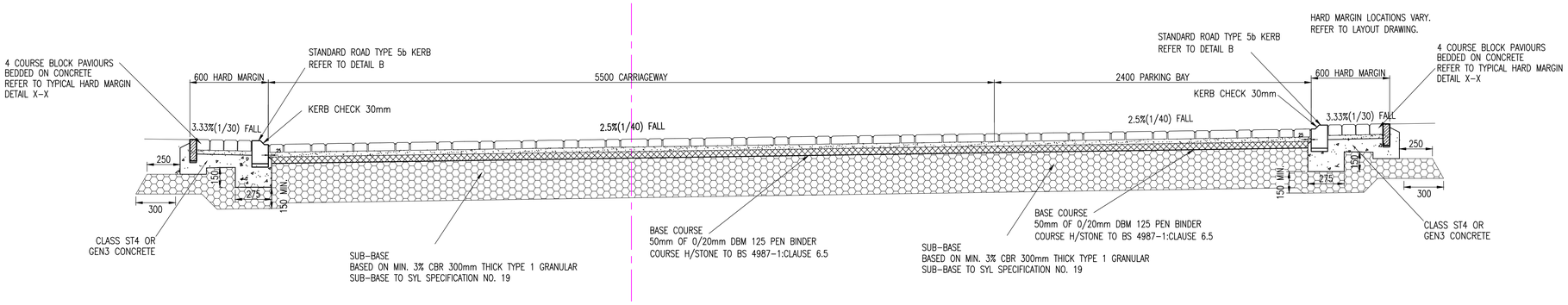
ROAD 1,2,3,4 & 5 – TYPE 5b CROSS HUNG CARRIARGEWAY CROSS SECTION

(SCALE 1:20)

1) GENERAL FILL
WHERE REQUIRED, FILL BENEATH ROADS AND CAR PARKS SHOULD BE SUITABLE APPROVED MATERIAL, NON–FROST SUSCEPTIBLE WHEN WITHIN 450MM OF THE FINISHED LEVEL, IN ACCORDANCE WITH MCHW CLAUSE 612. THE PLANT AND METHOD OF COMPACTION REQUIRED SHOULD BE AS TABLE 6/4 FOR THE CLASS OF MATERIAL BEING COMPACTED IN TABLE 6/1.

2) SUB–FORMATION/ FORMATION LEVEL
PREPARATION AND SURFACE TREATMENT OF SUB–FORMATION AND FORMATION LEVEL SHALL BE IN ACCORDANCE WITH MCHW CLAUSE 616.
SOFT SPOTS ARE TO BE REMOVED AND REPLACED WITH A SUITABLE MATERIAL IN ACCORDANCE WITH 1) ABOVE.
THE FORMATION LEVEL AND SUB–BASE SHALL BE COVERED AS SOON AS PRACTICABLE AND PROTECTION PROVIDED FROM CONSTRUCTION TRAFFIC / OPERATIONS AND INCLEMENT WEATHER CONDITIONS.

THE DESIGN OF THE SUB BASE HAS NO ALLOWANCE FOR USE BY CONSTRUCTION TRAFFIC. SHOULD THE CONTRACTOR WISH TO USE THE SUB BASE FOR CONSTRUCTION TRAFFIC THEN THE ENGINEER SHALL BE NOTIFIED AND THE DESIGN THICKNESS REVISED AS REQUIRED.



TYPICAL SECTION THROUGH PROPOSED SHARED SURFACE AND PARKING BAY

(SCALE 1:20)

DO NOT SCALE

HIGHWAY SPECIFICATION

1. ALL ROAD PAVEMENTS ARE TO BE BUILT IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE FOLLOWING SERIES OF THE SPECIFICATION FOR HIGHWAY WORKS (MCHW):–

   700 : ROAD PAVEMENTS GENERAL
   800 : ROAD PAVEMENTS–UNBOUND, HYDRAULICALLY BOUND AND OTHER MATERIALS
   900 : ROAD PAVEMENTS–ASPHALT BOUND MATERIALS
   1100 : KERBS FOOTWAYS AND PAVED AREAS, CLAUSE1107

2. IN ACCORDANCE WITHTHE SOUTH YORKSHIRE LABORATORY (SYL) SPECIFICATIONS FOR THE SUPPLY OF MATERIALS FOR USE IN HIGHWAY WORKS

3. SUB–BASE SHALL BE IN ACCORDANCE WITH SYL SUB–BASE SPECIFICATION NO. 19. THE SOURCE MATERIAL SHALL BE APPROVED BY THE ENGINEER.

4. ROADBASE TO BE DENSE BASE TO BS 4987 AND SYL BASE SPECIFICATION NO. 30. (ROADBASE)

5. BINDER COURSE TO BE DENSE BINDER COURSE COMPLYING WITH BS 4987 AND BINDER COURSE SYL SPECIFICATION NO. 31 OR ROLLED ASPHALT COMPLYING WITH BS 594 AND SYL SPECIFICATION NO.7.

6. SURFACE COURSE TO BE 10MM SIZE CLOSE GRADED SURFACE COURSE COMPLYING WITH BS 4987 AND SYL SPECIFICATION NO. 33 OR 6MM SIZE DENSE SURFACE COURSE TO BS 4987 AND SYL SPECIFICATION NO. 34 OR INTERLOCKING BLOCK PAVING COMPLYING WITH BS 6717 "PRECAST CONCRETE PAVING BLOCKS"

7. HOT BITUMINOUS MATERIALS SHALL BE LAID AND COMPACTED IN ACCORDANCE BRITISH WITH THE REQUIREMENTS AND RECOMMENDATIONS FOR LAYING IN BS 4987: STANDARD FOR PART 2 OR BS 594: PART 2, AS APPROPRIATE. WHERE THERE IS NO BRITISH ASPHALT STANDARD FOR THE PARTICULAR MATERIAL, IT SHALL BE LAID IN ACCORDANCE MATERIALS WITH THE REQUIREMENTS AND RECOMMENDATIONS OF BS 594:PART 2, SUBJECT ALSO TO THE REQUIREMENTS OF CLAUSE 901 SUB CLAUSES 8 TO 31 (MCHW)

8. A TACK COAT OF CLASS K1–40 BITUMEN EMULSION SHALL BE APPLIED TO THE BINDER COURSE AT THE RATE OF 0.35 TO 0.5 L/m². THE EMULSION SHALL NOT BE ALLOWED TO ACCUMULATE IN HOLLOWS BUT SHALL BE DISPERSED BY BRUSHING.
   THE EMULSION SHALL COMPLY WITH BS 434 : PART 1.

9. BLOCK PAVING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF AND BRITISH RECOMMENDATIONS IN BS 7533 AND MCHW CLAUSE 1107

10. ALL PRECAST CONCRETE KERBS, CHANNELS AND EDGING SHALL BE CONCRETE KERBS HYDRAULICALLY PRESSED AND SHALL COMPLY WITH THE REQUIREMENTS CHANNEL AND OF SYL SPECIFICATION NO. 11.

11. STATUTORY AUTHORITY COVER FRAMES TO BE LIFTED TO THE NEW FINISHED SURFACE LEVELS. ANY COVERS / FRAMES THAT ARE DEFECTIVE, DAMAGED POLISHED OR DAMAGED WITHIN THE SITE LIMITS TO BE REPLACED.

12. WHERE AREA OF BACKFILL AND OR SUB–BASE IS LESS THAN 1.0m IN WIDTH CONCRETE MIX ST5 25N/mm² SHALL BE USED UPTO 100mm OF THE FINISHED CARRIAGEWAY SURFACE.

13. WHERE THE CONCRETE KERB ABUTS THE TARMAC, THE SURFACING TO BE PAINTED WITH A TACK COAT OF 200 PEN BITUMEN.

14. ANY NEWLY LAID TARMAC THAT IS 24 HRS OLD EITHER IN THE CARRIAGEWAY OR IN THE FOOTWAY WILL REQUIRE TACK COAT APPLICATION PRIOR TO ANY FURTHER SURFACING WITH HAND LANCE APPLICATION. IN THE FOOTWAY AND IN THE CARRIAGEWAY A HOT TANKER APPLIED BITUMEN TACK COAT IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS, AS FOLLOWS:
   I. BINDER CLASSIFICATION AND APPLICATION DETAILS TO CL.920
   II. THE BINDER SHALL BE BITUMEN EMULSION TO BS 434:PART 1
   III. THE BINDER SHALL BE CLASS A1–40 OR K1–40
   IV. RATE OF SPREAD SHALL BE 0.3 TO 0.5/M2
   V. PERMITTED ADDITIVES TO BINDER : NONE
   Vi. BLINDING MATERIAL: NONE

REV	DATE	BY	DESCRIPTION	CHK	APP
A	02/07/18	MW	ISSUED FOR S38 APPROVAL	NS	NS

DRAWING STATUS: S3 - FOR REVIEW

wsp
Three White Rose Office Park, Millshaw Park Lane, Leeds, LS11 0DL, UK
T+ 44 (0) 113 395 6200, F+ 44 (0) 113 395 6201
wsp.com

CLIENT: ENGIE

ARCHITECT: ACANTHUS WSM ARCHITECTS

SITE/PROJECT: ST CATHERINES WALK BARNSLEY

TITLE: STANDARD HIGHWAY CONSTRUCTION DETAILS SHEET 1 OF 2

SCALE @ A1:	CHECKED:	APPROVED:
AS SHOWN	NS	NS

PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70042416	NS	MW	June 18

DRAWING No: 70042416-SD-001 REV: A

© WSP UK Ltd

File name:\\UK.VSPGROUP.COM\CENTRAL DATA\PROJECTS\70042XXX\70042416 - ST CATHERINES WALK - BARNSLEY\02 WIP\CIV CIVIL ENGINEERING\02 DRAWINGS\ACAD\70042416-SD-001.DWG, printed on 02 July 2018 16:43:26, by Smith, Nick