FOOTWAY CONSTRUCTION

25mm SURFACE COURSE: AC6 DENSE SURF 160/220 TO BS EN 13108-1.

50mm BINDER COURSE: AC20 DENSE BIN 160/220 TO BS EN 13108-1.

100mm SUB BASE: GRANULAR SUB BASE TYPE 1 TO SHW CLAUSE 803

VEHICLE CROSSING CONSTRUCTION

SURFACE AND BINDER CONSTRUCTION AS STANDARD FOOTWAY

225mm SUB BASE: GRANULAR SUB BASE TYPE 1 TO SHW CLAUSE 803

CARRIAGEWAY CONSTRUCTION
ROAD CATEGORY: MINOR RESIDENTIAL ROAD

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 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/m^2

REFER TO CONSTRUCTION LAYOUT DWG FOR ARRANGEMENTS

TABLE TWO

CARRIAGEWAY SUB-BASE AND CAPPING THICKNESS [6]		
CBR % [6]		
	CAPPING mm	SUB-BASE mm
15% or greater [6]	-	150
5% to less than 15%	-	225
2% to less than 5%	350	150
less than 2%	600	150

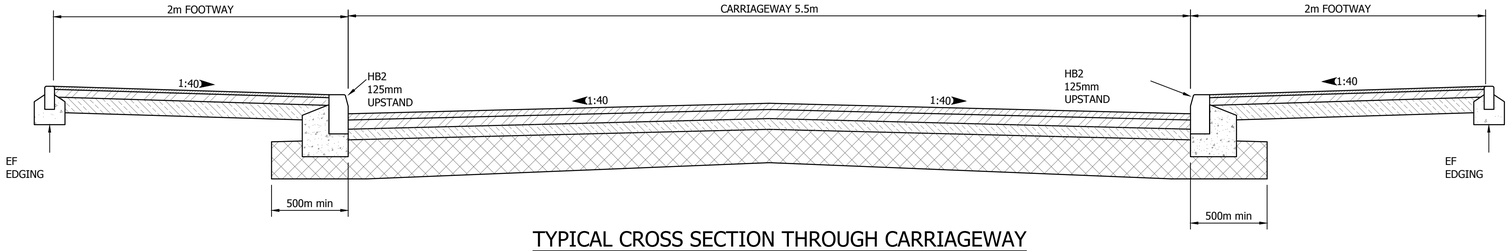
ROOT PROTECTION AREAS
SUB-BASE TO BE SUBSTITUTED FOR 200mm CELLWEB CONFINEMENT SYSTEM BACKFILLED WITH TYPE 1 MATERIAL TO CLAUSE 803 WITH ADDITIONAL 25mm BLINDING TO UNDERSIDE OF BASE COURSE

[6] THE FOUNDATION DESIGN SHOULD NOT VARY FREQUENTLY ALONG THE ROAD. SELECT AN APPROPRIATE VALUE FOR EACH SIGNIFICANT CHANGE IN THE SUBGRADE PROPERTIES.
[6] WHERE THE EQUILIBRIUM CBR FALLS BETWEEN VALUES IN THE ABOVE TABLE, YOU SHOULD ROUND DOWN THE VALUE TO THE LOWER VALUE.
[6] 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:

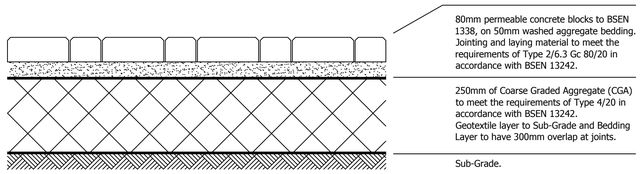
Pipe Dia. (mm)	Min. Trench Width (mm)
100	550
150	600
225	700
300	750
375	1050
450	1150
525	1200
600	1350
675	1450
750	1500
825	1600
900	1900
975	2000
1050	2300
1200	2300
Over 1200	Pipe Dia. + 1000

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS RELATING TO THIS PROJECT.
3. ALL DIMENSIONS SHOULD BE CHECKED ON SITE PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHOULD BE IMMEDIATELY NOTIFIED IN WRITING TO TRAVIS BAKER LIMITED.
4. 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.
5. 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.
6. 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.
7. THIS DRAWING SHALL NOT BE REPRODUCED IN ANY WAY WITHOUT THE WRITTEN PERMISSION OF TRAVIS BAKER LIMITED.



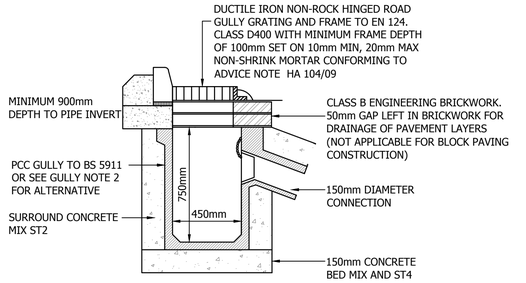
TYPICAL CROSS SECTION THROUGH CARRIAGEWAY

SCALE 1:20



Permeable Concrete Block Pavement Construction - Domestic Loading

Note:



TYPICAL ROAD GULLY DETAIL

GULLY NOTES:

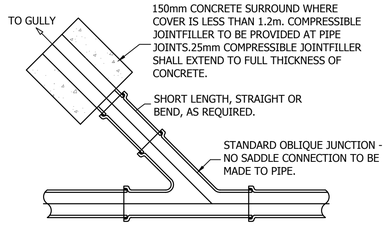
1. TO BE CONSTRUCTED IN ACCORDANCE WITH CL6.23

2. ALTERNATIVE TYPES OF GULLY POT:
i) UPVC FORMER WITH CONCRETE MIX ST5 SURROUND
ii) SALT GLAZED STONEWARE WITH CONCRETE MIX ST5 SURROUND

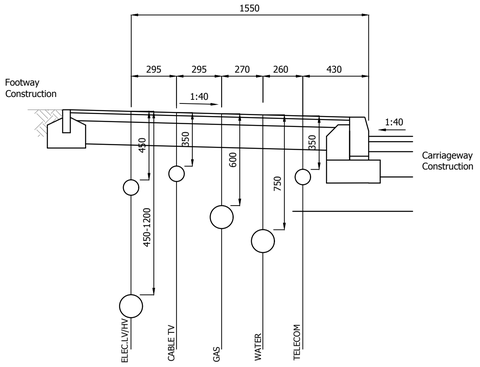
3. WHERE A UPVC GULLY IS TO BE CONNECTED TO PRECAST CONCRETE OR SALT GLAZED STONEWARE THE CONNECTION IS TO BE MADE USING AN APPROVED ADAPTOR

4. TOP OF CONCRETE SURROUND TO FINISH FLUSH WITH GULLY POT

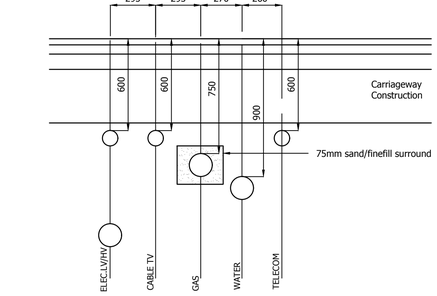
5. GRATING AND GULLY SURROUND ARE TO COMPLY WITH HA 104/09



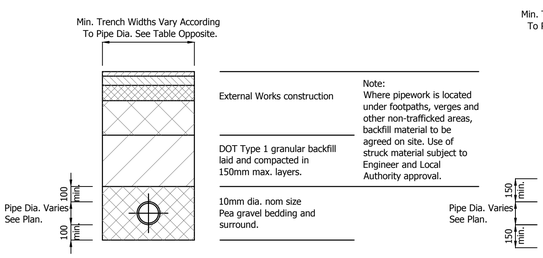
GULLY CONNECTION DETAILS



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

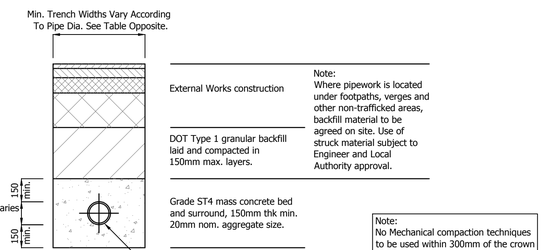


Typical Services Crossing Beneath Carriageway (NJUG compliant) - 1:20



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.

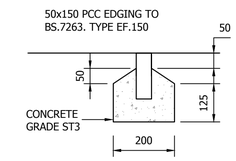


Note:
No Mechanical compaction techniques to be used within 300mm of the crown of all pipework.

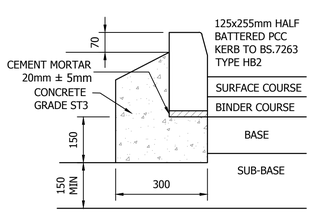
Trench back-fill material 300mm above the crown shall be as described in Clause 505 and Clause 507.7 of Staffordshire Highway Specification.

Pipe Bedding Detail Type A

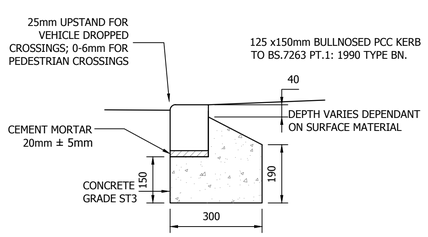
Note:
Applicable where pipework has less than 1200mm cover under trafficked areas or less than 600mm under non-trafficked areas.



EDGING DETAIL (EF)



HALF BATTER KERB



KERB DETAIL - TYPE BN

ALL CONCRETE FOUNDATIONS/ BACKING TO KERBS SHALL BE MECHANICALLY VIBRATED.

REV	DESCRIPTION	DATE	BY	AUTH
A	CONSTRUCTION DETAILS UPDATED ACCORDING SMDC COMMENTS	02/08/18	DV	TW

travis baker
Travis Baker
Trinity Point
New Road
Halesowen
West Midlands
B63 3HY
Tel: 0121 550 8037
Fax: 0121 550 8047
info@travisbaker.co.uk
www.travisbaker.co.uk

CLIENT
ROBINSONS BUILDERS LTD.

PROJECT
CHURNET VIEW ROAD, OAKAMOOR

TITLE
TYPICAL HIGHWAY CONSTRUCTION DETAILS

DRAWN	AUTHORISED	SCALE	DATE
TW	TW	As Shown-@A1	08/03/18

PROJECT NO.	DRAWING NO.	REV
17154	300	A

STATUS.
PRELIMINARY