

Vehicle Crossover Construction Detail

Powys County Council

ROAD

1.8m FOOTPATH

1.00m @ 1 IN 30 ___ 1.0m @ 1 IN 6.67

ONSOLIDATED THICKNESS OF MEDIUM GRADED MACADAM WEARING COURSE (6mm NOMINAL SIZE

ONSOLIDATED THICKNESS OF DENSE MACADAM BASECOURSE (20mm NOMINAL SIZE AGGREGATE) TO

x 255mm PRE-CAST CONCRETE BULLNOSED KERB REF: BN TO BS. 7263 LAID ON GRADE ST2 CONCRETE

150mm PRE-CAST CONCRETE KERB REF: EF TO BS. 7263 LAID ON GRADE ST2 CONCRETE BED AND

ATE) TO BS. 4987 PART 1 CLAUSE 7.5 (200 PEN BITUMEN BINDER).

MIN. GRANULAR SUB BASE TYPE 1 MATERIAL (CLAUSE 803).

KERB TO BE RAISED BY 6mm NOMINALLY ACROSS DRIVES.

Vehicle Crossover Construction Details

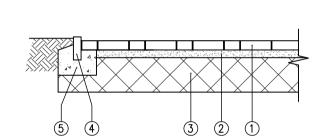
)URSE THICKNESS TO BE INCREASED TO 80mm FOR

ER CROSSINGS SERVING 2 OR MORE PROPERTIES

PART 1 (100 PEN BITUMEN BINDER) CLAUSE 906.

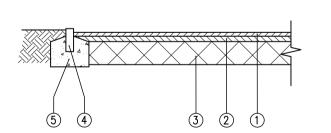
HAUNCH.

KING AREAS.



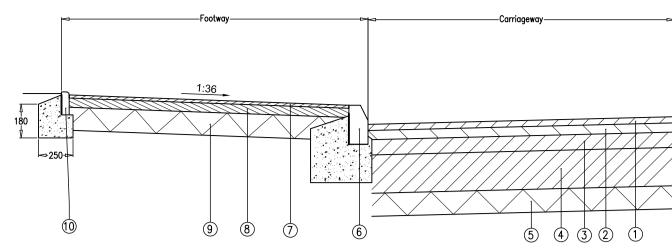
1. Min. 60mm thk block paviors. 2. 50mm Consolidated thickness coarse sharp sand in accordance with BS 6717: Part 3. 3. 225mm granular sub base Type 2, Table 8/3: Clause 804 Specification for Highway Works. 50 x 150 bull nosed edging (type EBN) to BS 7263: Part 3, 2001 5. Bed and haunching to edging. Class of concrete to Clause 1001, ST1, Specification for Highway

Shared Drive Construction (Block Pavior)



- 1. 25mm Consolidated thickness medium graded macadam surface course (6mm nomial size aggregate) to BS 4987: Part 1, 200 pen bitumen binder. 2. 35mm Consolidated thickness dense macadam base course (20mm nominal size aggregate) to BS 4987: Part 1. 100 pen binder. Clause 906.
- 150mm granular sub base Type 2, Table 8/3: Clause 804 Specification for Highway Works. 4. 50 x 150 bull nosed edging (type EBN) to BS 7263: Part 3, 2001 5. Bed and haunching to edging. Class of concrete to Clause 1001, ST1, Specification for Highway

Private Drive/Parking Construction



Carriageway Construction

1. 40mm CLOSE GRADED MACADAM WEARING COURSE TO BS.4987 PART 1 CLAUSE 7.3 (CLAUSE 912) (14mm NOMINAL SIZE AGGREGATE WITH A MINIMUM P.S.V. OF 65)

2. 60mm DENSE BITUMEN MACADAM BINDER COURSE TO BS.4987 PART 1 CLAUSE 5.2 (CLAUSE 906) (20mm NOMINAL AGGREGATE) (125 PEN BITUMEN BINDER)

3. 100mm DENSE BITUMEN MACADAM BASE COURSE TO BS. 4987 PART 1 CLAUSE 5.2

(28mm NOMINAL SIZE) (CLAUSE 903) (125 PEN BITUMEN BINDER). 4. 250mm MOT TYPE 1 SUB BASE MATERIAL TO SPECIFICATION CLAUSE 803.

5. CAPPING LAYER (SUBJECT TO CBR VALUE) (CLAUSE 613) SEE TABLE BELOW.

Footway Construction

6. 255mm x 125mm REF.HB2 PRECAST CONCRETE HALF BATTERED KERB TO BS.7263 LAID ON 150mm

7. 20mm MEDIUM GRADED WEARING COURSE TO BS.4987 PART 1 CLAUSE 7.5 (6mm NOMINAL SIZE AGGREGATE) (200 PEN BITUMEN BINDER)

8. 60mm DENSE BITUMEN MACADAM BASE COURSE TO BS.4987 PART 1 CLAUSE 6.5 (CLAUSE 906) (20mm NOMINAL SIZE AGGREGATE) (100 PEN BITUMEN BINDER)

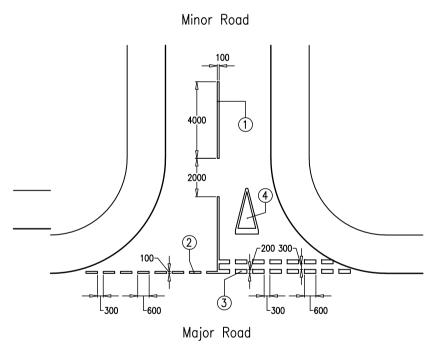
9. 150mm MIN. TYPE 1 GRANULAR SUB BASE MATERIAL (CLAUSE 803)

10. 50mm x 150mm REF.EBN PRECAST CONCRETE BULLNOSED EDGING TO BS.7263 LAID ON 100mm ST1 CONCRETE BED AND HAUNCH. KERB TO BE RAISED BY 6mm NOMINALLY ACROSS DRIVES.

CBR VALUE	< 2%		2% - 5%	
TYPE OF ROAD BASE	SUB-BASE +	CAPPING LAYER	SUB-BASE +	CAPP I NG LAYER
THICKNESS (mm)	150	600	150	350

5.5m Access Road & 1.8m Footpath Construction Details

Powys County Council

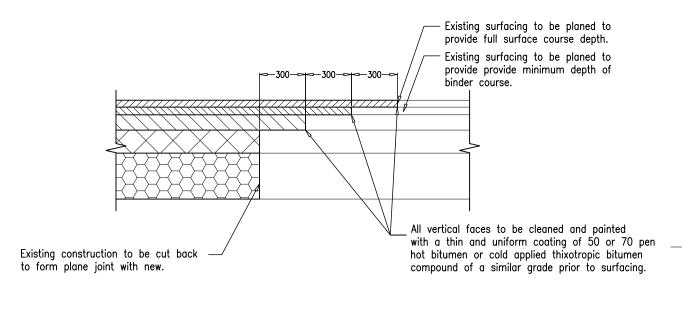


1. 5no. markings : White 4m mark, 2m Gap, TSRGD 2002 Diagram No. 1004. White 600mm mark, 300 gap, 100 wide, TSRGD 2002 Diagram 1009. White 600mm mark, 300 gap, 200 wide, TSRGD 2002 Diagram 1003. 4. Give Way marking, TSRGD 2002 Diagram 1023, No Give Way sign unless specifically

<u>Notes</u>

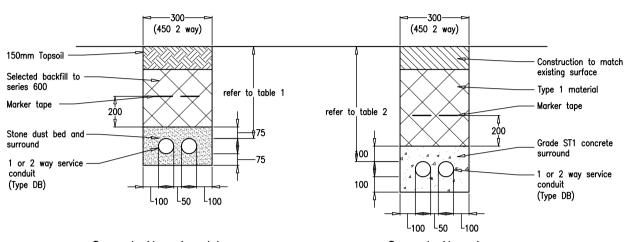
1. All markings to be thermoplastic screed, with applied solid glass beads and designed in accordance with Chapter 5 of the Traffic Signs Manual (HMSO) 1985. 2. Road markings must be in accordance with Chapter 3 of the Traffic Signs Manual and be approved by the Local Highway Authority.

Give Way Road Markings for Junctions



- 1. All existing surfaces to be overlaid to be thoroughly cleaned and receive a complete and uniform coating of A1-40 or K1-40 bitumen emusion, laid at the rate of 0.3 -
- 2. All joints to be saw cut through the full depth of the layer to be tied in.

Surface Tie-In Detail



Conduits in Verges

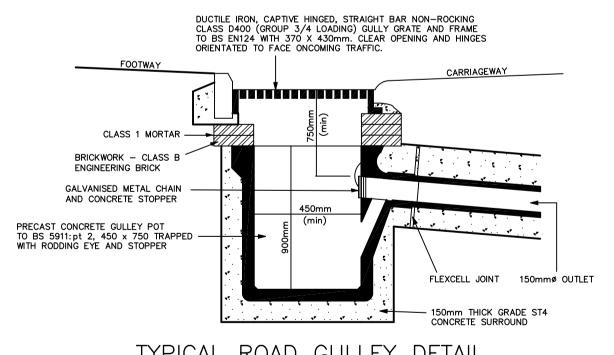
Conduits in footway/carriageway

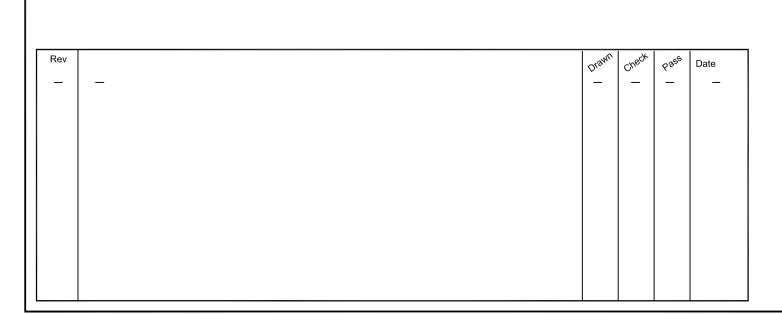
Table 1		Table 2	
Service	Cover	Service	Cover
SWE	600mm	SWE	750mm
P/Light	450mm	P/Light	600mm
	450mm	ВТ	600mm

Service Conduit Notes

- Minimum conduit cover as shown in table 1 and 2 2. Cable conduits to be polyethylene or polypropylene, of smooth internal diameter 100mm. Either smooth external or twin wall format and colour coded to suit NJUG and LA requiements :
- UTC Brown, Street Lighting Orange. Each length of duct to be clearly and durably marked "traffic signals" or "streel lighting". All conduits shall in addition be marked with a tape annotated "live cable".
- Covers and frames to be grade B in footpaths, grade A in carriageways. 4. Where conduits are laid in existing carriageways, 300mm stepped joints are to be cut using a disc cutter and reinstatement must include for tack coat, rolled asphalt to
- vertical faces and final bitumen sealing run. Only one type of conduit to be used between consecutive inspection chambers. 6. Trenches containing several conduits to be structured such that no contact takes place
- 7. Adequate compaction to be carried out to achieve a minimum bulk density of 2300kg/m with backfill material in trenches.

TYPICAL ROAD GULLEY DETAIL







Jan '21

LAMP STANDARD

280 170 295

2000

295

Recommended Arrangement

of N.R.S.W.A. Services in a 1.80m Footway

For New Works

270 | 260 |

1720

1550

1255

960

430