Standard Construction Details (SCDs) – Series 1100

TII Publications contains Standard Construction Details (SCDs) for use on National Road schemes in Ireland. This composite document brings together all the Series 1100 SCDs from TII Publications current at the date of this document’s publication, into a single location for convenience.

Every effort has been made to keep this composite document updated and available from the TII Publications website ([http://www.tiipublications.ie](http://www.tiipublications.ie/)). Please note that the SCD drawings available from the TII Publications website (individually linked below) are the controlled versions for all SCDs.

The SCDs contained in this document are as follows:

**Series 1100 Kerbs, Footways and Paved Areas**

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1. IN SITU CONCRETE KERBS SHALL COMPLY WITH THE RECOMMENDATIONS OF B.S. 5931.

2. KERBS SHALL BE PROTECTED FROM THE EFFECTS OF ADVERSE WEATHER UNTIL CURED.

3. DROP KERB HEIGHT VARIES FROM 25mm FOR VEHICULAR ACCEESSES AND 0–6MM FOR PEDESTRIAN CROSSINGS.

STANDARD IN SITU CONCRETE KERB

IN SITU CONCRETE DROP KERB

SCALE 1:125

TII PUBLICATION NUMBER: CC-SCD-01102
TACTILE PAVING:
TACTILE PAVING ON APPROACH TO PEDESTRIAN CROSSINGS ARE REQUIRED ON CYCLEWAYS AND FOOTWAYS

VEHICULAR ACCESS:
RAMP CONSTRUCTED FROM GRADE C30 CONCRETE 150mm THICK WITH A39.3 MESH REINFORCED TOP AND BOTTOM. SURFACE OF RAMP TO BE BRUSHED TOP FROM 'NON-SLIP' FINISH.

PEDESTRIAN CROSSINGS:
TACTILE PAVING TO BE PROVIDED TO GIVE GUIDANCE TO VISUALLY IMPAIRED PEDESTRIANS.

RAMP WIDTH TO SUIT ENTRANCE
(MIN 1800mm FOR PEDESTRIANS)

PLAN OF RAMP

VIEW A-A

1. A RAISED LIP OF 25mm SHOULD BE USED FOR VEHICULAR ENTRANCES.
2. A RAISED LIP OF 0 - 6mm SHOULD BE USED FOR PEDESTRIAN CROSSINGS.
3. REFER TO RCD/1100/9 FOR PRE-CAST KERB DIMENSIONS
4. REFER TO RCD/1100/2 FOR IN-SITU CONCRETE KERB DIMENSIONS.
5. TACTILE PAVING IS TO BE PROVIDED AT ALL PEDESTRIAN CROSSINGS, ADVICE ON THE EXACT LOCATION AND DIMENSIONS CAN BE FOUND FROM THE UK DEPARTMENT FOR TRANSPORT, MOBILITY INCLUSION UNIT DOCUMENT, "GUIDANCE ON THE USE OF TACTILE PAVING"
50mm FLEXIBLE SURFACING TO CLAUSE 1105
50mm x 75mm TANALISED TIMBER EDGE SUPPORT AT ALL FREE EDGES
150mm TOPSOIL
150mm SUB-BASE TO CLAUSE 804
ACCEPTABLE MATERIAL TO APPENDIX 6/1

TYPE 1

50mm x 75mm TANALISED TIMBER EDGE SUPPORT AT ALL FREE EDGES
50mm FLEXIBLE SURFACING TO CLAUSE 1105
150mm SUB-BASE TO CLAUSE 804
ACCEPTABLE MATERIAL TO APPENDIX 6/1

TYPE 2

NOTES:
1. FOOTWAY IS SHOWN WITH A PRECAST CONCRETE KERB TYPE A. ALTERNATIVE KERB TYPES ARE SHOWN RCD/1100/1 AND RCD/1100/2.
NOTES:
1. FOOTWAY IS SHOWN WITH A PRECAST CONCRETE KERB TYPE A. ALTERNATIVE KERB TYPES ARE SHOWN ON RCD/1100/1 AND RCD/1100/2.
2. AT VEHICULAR ACCESS POINTS CONCRETE TO BE REINFORCED WITH A393 MESH REINFORCEMENT TOP AND BOTTOM.
3. ALL CONCRETE EDGES AND JOINTS SHALL BE BULLNOSED WITH A TROWEL.
NOTES:
1. ALL BLOCK PAVING FREE EDGES SHALL BE SUPPORTED BY PROPRIETARY KERB BLOCKS UNLESS OTHER EDGE SUPPORT HAS BEEN SPECIFIED.
2. MAXIMUM GRADIENT TO WHICH BLOCK PAVING CAN BE LAID IS 8%.
125mm THICK CONCRETE SLAB WITH A242 MESH (TOP), CONCRETE GRADE C30 ON 1000 GAUGE POLYTHENE. CLASS U3 FINISH.

MINIMUM OF 300mm OR 50mm BELOW TOP OF SUB-BASE, WHICHEVER IS THE GREATER

ROAD PAVEMENT AS SPECIFIED

HEIGHT AS SPECIFIED IN APPENDIX 11/1

MINIMUM OF 300mm OR 50mm BELOW TOP OF SUB-BASE, WHICHEVER IS THE GREATER

ROAD PAVEMENT AS SPECIFIED

NOTES:
1. IN SITU CONCRETE KERBS ARE AS SHOWN ON RCD/1100/2.
2. PRECAST CONCRETE KERBS ARE AS SHOWN ON RCD/1100/1.
TII PUBLICATION NUMBER: CC-SCD-01108

NATIONAL ROADS AUTHORITY

ROAD CONSTRUCTION DETAILS

KERBS, FOOTWAYS AND PAVED AREAS

TYPICAL PAVED ROUNDABOUT

GRADE C30 CONCRETE
265mm DEEP
25mm COMPRESSIBLE FILLER EXPANSION JOINT
KERB TYPE C
AS SHOWN ON RCD/1100/1
ROAD PAVEMENT
AS SPECIFIED

ACCEPTABLE MATERIAL TO APPENDIX 6/1
SUB-BASE TO CLAUSE 804

NOTE:
1. ALL DIMENSIONS ARE IN MILLIMETRES
2. DETAIL IS SHOWN WITH A PRECAST KERB
   TYPE C. ALTERNATIVE KERB TYPES ARE
   SHOWN IN RCD/1100/1 AND RCD/1100/2.
NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. PRECAST KERBS SHALL BE LAID AND LEVELLED IN ACCORDANCE WITH B.S. 7533 : PART 4.
3. A RAISED LIP OF 25mm SHOULD BE USED FOR VEHICULAR ENTRANCES.
4. A RAISED LIP OF 0-6mm SHOULD BE USED FOR PEDESTRIAN CROSSINGS.
5. PRECAST CONCRETE KERB UNITS SHALL COMPLY WITH ENS-EN 1340.
NOTES -
1. CHANNELISING ISLAND IS SHOWN WITH PRECAST CONCRETE KERB TYPE A. ALTERNATIVE KERB TYPES ARE SHOWN ON CC-SCD-01110 AND CC-SCD-01102.
2. SHAPE AND DIMENSION OF CHANNELISING ISLAND VARY. SEE DN-GEO-03062 GEOMETRIC DESIGN OF JUNCTIONS FOR DESIGN OF CHANNELISING ISLAND.

MINIMUM OF 300mm OR 50mm BELOW TOP OF SUBBASE WHICHEREVER IS THE GREATER HEIGHT AS SPECIFIED IN APPENDIX 11/1

ROAD PAVEMENT AS SPECIFIED

MINIMUM OF 300mm OR 50mm BELOW TOP OF SUBBASE WHICHEREVER IS THE GREATER HEIGHT AS SPECIFIED IN APPENDIX 11/1

ROAD PAVEMENT AS SPECIFIED

SUBBASE MATERIAL TO CLAUSE 864

SECTION A

SECTION B

125mm THICK CONCRETE SLABS WITH A/42 MESH (TOP). CONCRETE MIX ST5 ON 1000 GAUGE POLYTHENE CLASS U3 FINISH