

DELINEATOR KERB AT GRADE SIDEWALK DETAIL CUT CONDITION

NOTES :

1. 100mm Gaps at 2m C-C and 150mm Gaps at 10m C-C
2. Gaps between kerbs are to be sealed with engineer approved sealant.
3. Sidewalks to be constructed using alternate panel method to allow for expansion and cracking control.
4. Expansion joints to be provided where gaps between kerbs are not required, consisting of approved preformed joint filler board 13mm thick cut to required shape to be provided where indicated .
5. Where guardrails are used, sidewalks are to be increased by 300mm to 1.8m.
6. Construct to SANS 927 specifications
7. Recommendation : Where sign posted speed is 80km/h and above , Designers should consider positioning sidewalks away from road edge if adequate space is available.
8. Kerb and Channel drains should be used on fill conditions exceeding 3m in height with guardrails and sidewalks positioned away from road edge.

500

1000

500mm [ROUNDING]

1500 [SIDEWALK - CAST (INSITU)]

NGL

75mm Topsoil

SLOPE 2%

G7 Quality Material Compacted to 93% MOD AASHTO

100mm Thick Paved Footway Precast or Cast In-Situ Class 15/20 Concrete

Kerb Foundation Class 15/40 Concrete

DELINEATOR KERB ±115KG

LANE WIDTH 3.00m

100mm Concrete edge

Surface Flow Direction

Pavement Layers in accordance with PDC

N.T.S

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1.5 m Wide Sidewalk

50mm Drainage Cap at 2m C-C
100mm Drainage Cap at 10m C-C

100mm Drainage Cap @ 2m C-C
100mm Drainage Cap @ 10m C-C

Shoulder lane (1m wide)

Kerb with 100mm spacing
100mm Gap for drainage

Travel lane (3.00m wide)

DELINEATOR KERB AT GRADE SIDEWALK DETAIL FILL CONDITION

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Excavation Line

75mm Topsoil

600mm [ROUNDING]

1500 [SIDEWALK - CAST IN SITU]

2%

G7 Quality Material Compacted to 93% MDD AASHTO

100mm Thick Precast Footway (Preplaced Cast-In-Situ Class 15/20 Concrete)

Kerb Foundation (Class 15/20 Concrete)

DELINEATOR KERB

100mm Concrete edge

Surface Flow Direction

PDC PENDING

LANE WIDTH 3.m

CL

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DELINEATOR KERB

100mm Concrete edge

Surface Flow Direction

PDC PENDING

LANE WIDTH 3.m

CL

Technical drawing of a driveway crossing for a 1000 V-drain. The drawing includes a plan view (SECTION C-C) and a cross-section view (SECTION A-A).

SECTION C-C (Plan View): Shows a 3000mm wide concrete slab with 100mm thick precast concrete slabs on square mesh fabric. The slab is divided into three sections: 1000mm, 1000mm, and 1000mm. The total width is 3000mm. The slab is supported by 100mm thick concrete walls.

SECTION A-A (Cross-section View): Shows a 1000mm wide concrete slab with 100mm thick precast concrete slabs on square mesh fabric. The slab is supported by 100mm thick concrete walls. The cross-section shows a 1000mm wide concrete slab with 100mm thick precast concrete slabs on square mesh fabric. The slab is supported by 100mm thick concrete walls.

DRIVEWAY CROSSING FOR 1000 V-DRAIN

SCALE 1:50

Technical drawing of a driveway crossing for a 1000 V-drain. The drawing includes a plan view (SECTION C-C) and a cross-section view (SECTION A-A).

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DRIVEWAY CROSSING FOR 1000 V-DRAIN

SCALE 1:50

The diagram illustrates the vertical and horizontal positioning of a sign. A triangular warning sign is mounted on a rectangular information sign, which is supported by a post. The dimensions are defined as follows: A is the height of the sign face from the ground; B is the height of the post from the ground; and C is the horizontal distance from the edge of the road to the sign face. The ground is shown with a cross-hatched area representing the road surface and a solid area representing the shoulder.

| SIGN POSITIONING DETAILS | | | |
|--------------------------|----------|-----------|-------|
| | A (m) | B (m) | C (m) |
| Rural | 0 - 0.15 | 1.8 - 2.1 | 1.3 - |

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| PROPOSED PAVEMENT LAYERS |
|--|
| 150mm GeoMulticell |
| 150mm natural gravel subgrade upper selected at 93% Mod AASHTO Density (G7) |
| 150mm natural gravel subgrade - lower selected at 93% Mod AASHTO Density (G9) |
| 200mm In-situ or earthworks at 90% Mod AASHTO Density (G10) |

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