
NMP 1.1 - DRIVEWAYS

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Purpose

To ensure safe and reasonable access from the property boundary to on-site vehicle accommodation or on-site vehicle standing area.

Application

This standard applies to driveways and *driveway access* on sites containing Class 1 buildings and appurtenant Class 10 buildings for use by resident and visitor's vehicles.

Referral Agency

There is no referral agency.

Associated Requirements

- NMP 1.4 - Excavation and Piling Near Sewers, Drains and Water Mains.
- NMS 1.8 - Stormwater Drainage.
- NMP 1.7 - Retaining Walls, Embankments and Cutting and Filling.

Referenced Standards

- AS 1304 – 1991 – Welded wire reinforcing fabric for concrete.
- AS 1379 – 1997 – Specification and supply of concrete.
- AS 3600 – 1994 – Concrete structures.
- AS 3996 – 1992 – Metal access covers, road grates and frames.

Definitions

Note: Italicised words within the body of the text are defined.

Competent person - as defined in the *Building Regulation 2006*.

Driveway access - the path of travel by which a vehicle gains access to a property. It can include temporary access for building purposes as well as unsealed driveways.

Utility infrastructure -

- (a) a sewerage system or stormwater drainage as defined in the *Standard Plumbing and Drainage Regulation 2003*; or
- (b) a water supply system or property main as defined in the *Standard Plumbing and Drainage Regulation 2003*.

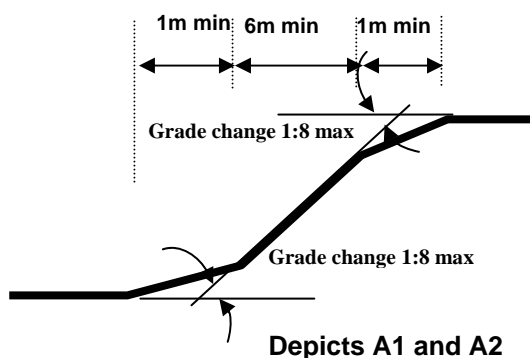
PERFORMANCE CRITERIA

ACCEPTABLE SOLUTIONS

Gradients

P1 A vehicle must be able to negotiate the gradient without difficulty and without potential harm to the vehicle's occupants, pedestrians and property.

A1 (a) A driveway has a maximum gradient of 1 in 5; or
 (b) a driveway has a maximum gradient of 1 in 4, provided the length of the driveway steeper than 1 in 5 does not exceed 6 metres, and there is a change in gradient not less than 1 metre in length and not greater than 1 in 8 at the ends of the 1:4 section of the driveway.



Change in Gradients

P2 A vehicle must be able to travel the length of the driveway or *driveway access* without scratches, scrapes, dents or removal of the finished surface of the vehicle or the driveway surface.

A2 For all driveways, the rate of change in a driveway gradient is a maximum of 1 in 8 slope for a minimum length of 1 metre.

P3 A driveway must not cause a change in the level of a

A3 A driveway meets the road reserve at the level of the existing footpath or if there is no footpath, the level nominated by the local government.

Driveway Width

P4 A driveway must be of sufficient width to permit a vehicle to safely access the property.

A4 The minimum width of a driveway is 2.4 m.

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS
<p>Loadings</p>	
<p>P5 A driveway must withstand loadings from the vehicles.</p>	<p>A5</p> <ul style="list-style-type: none"> (a) The driveway is constructed of concrete, asphalt, clay pavers or concrete pavers. (b) For concrete driveways the following applies: <ul style="list-style-type: none"> (i) N20 strength in accordance with AS1379 & AS3600. (ii) Reinforcement fabric to be in accordance with AS1304 with 50mm cover (F62min). (iii) Expansion joints to be 10mm thick, full depth closed cell cross-linked polyethylene foam (85 - 150 kg/m³) or 10mm thick compressed granulated corkboard installed to manufacturer's specifications. (iv) The slab is 100mm thick. (v) Surface is to be broom finished or exposed aggregate. (c) For asphalt surfaces, the following applies: <ul style="list-style-type: none"> (i) At least 80 thick compacted roadbase under asphalt cover. (ii) Asphalt cover is at least 25mm thick. (d) For clay or concrete pavers the following applies: <ul style="list-style-type: none"> (i) Paving units are at least 40 mm thick. (ii) A least 100mm thick compacted sub-base

**PERFORMANCE
CRITERIA**

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SOLUTIONS**

under pavers.

Surface Water

P6	A driveway must not allow water to pond adjacent to any buildings or cause water to enter a building.	A6	A driveway has a minimum cross fall of 1 in 100 away from any adjoining building.
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Access to services

P7	Construction of a driveway must not damage or interfere with the location, function of or access to any <i>utility infrastructure</i> .	A7	<p>(a) Underground services are protected by-</p> <p>(i) a driveway which maintains a cover of at least 600mm over all services; or</p> <p>(ii) a cover of at least 100mm thick concrete reinforced as per A5(b).</p> <p>(b) A driveway is not constructed over service equipment such as an access point, water meters, hydrants, valves, telephone pits, etc, under the control of a regulatory authority.</p> <p>(c) Where an access point is to be incorporated within the driveway, it is raised or lowered to match the surface level of the driveway. Access covers must comply with AS 3996.</p>
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Driveway Location

P9	The location of a driveway must not be hazardous to persons or vehicles using the roadway.	A9	For corner properties, a driveway is not less than 12 metres from the point of intersection of the two street boundaries measured at the kerb.
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Notes:

1. Local government (or other service owner) approval must be obtained before interfering with any infrastructure.
2. The location of a driveway may be influenced by a plan of development approved by the local government or the location of existing infrastructure or existing vehicle crossovers.