



August 2012

Alice Springs Town Council Footpath Construction Guidelines for residents and Contractors performing works on Council road Reserve

***THIS GUIDE MUST BE READ IN CONJUNCTION WITH
(Permit To Work Within the Alice Springs Town Council Road Reserve)***

***Note: All Concrete Footpaths/Cycle paths to have Glass Cullet
unless otherwise approved by Council***

1.0 Footpath Protocols

Prior to any works being commenced on any verge (nature strip) WRITTEN APPROVAL IS REQUIRED from Council. You first need to read and fill out a (**Permit to Work within the Alice Springs Town Council Road Reserve**) with all your details and you must obtain a copy of Council's Verge Development Protocol (Attachment C) for Guidelines for footpath location within Council Road Reserve.

2.0 Traffic Control

Refer to Provision for Traffic Section 3 of (Permit to Work within the Alice Springs Town Council Road Reserve)

3.0 The Contractor/Applicant responsibilities

- All earthworks necessary for the clearing and grubbing and boxing out of the area on which the concrete footpath is to be laid.
- Preparation of sub-grade, compaction and trimming of area beneath the footpath.

4.0 Copies of Documents, Etc.

The Applicant must submit a minimum of two (2) copies of a plan showing the proposed footpath including existing trees and infrastructure. One (1) copy will be retained in the Council's records and the other will be returned to the applicant with the Council's stamped approval on it.

New Footpath:

Residents are required to inform and seek authorisation/approval from Council for any new works within the road verge area including establishing a footpath. Once approved, the works are required to be carried out to Council's specification. Any works that may be required to lay a new footpath including removing old existing footpath must be done by the Applicant/Contractor at no cost to Council

How to Obtain Approval:

A (**Permit to Work within the Alice Springs Town Council Road Reserve**) must be completed and forwarded for approval. Application forms are available from the Council Office, 93 Todd Street, or can be downloaded from the Council's website. <http://www.alicesprings.nt.gov.au/>

Public Safety:

The property owner/contractor must address public safety where necessary, failure to do so may expose the owner/resident to potential public liability claims. (Refer to *permit work within the Alice Springs Town Council road reserve*) for traffic management and public safety.

Protection of Works:

Protection of works and the public shall be provided by the property owner/contractor who shall supply and keep supplied as directed all necessary signs, barricades, road warning lamps, temporary bridges or any other structures necessary or as may be directed by Council. Any damage which may occur to any Council facilities or private property during the course of the works or which may subsequently become evident from the operations thereof shall be the sole responsibility of the contractor who shall be held responsible for the repair, replacement,

Footpath Fall:

Footpaths are to be constructed allowing for a 1%-2.5% gradient from the property line to the roadway, this level is to be taken from the top of the existing kerb, where this is not possible other arrangements must be made between the landholder and Council staff.

Footpath Construction

Any work which does not meet these requirements, shall be rejected and replaced at the property owners' expense.

Materials

New footpaths are to be constructed to Council requirements:

Concrete:

Note: All Concrete Footpaths/Cycle paths to have Glass Cullet unless otherwise approved by Council

- 100mm thick cast in situ concrete footpaths which may vary in width but shall generally be Min of 1.5 metre in width. Complete with RF62 welded reinforcing
- Where the footpath crosses property owners driveway 125mm thick cast in situ concrete footpaths, with RF62 welded reinforcing, 1metre either side of driveway (refer Council developers guide) the width shall generally be 1.5 metre in width.
- Where the footpath crosses property owners industrial driveway 125mm thick cast in situ concrete footpaths, with RF82 welded reinforcing, 1metre either side of driveway (refer Council developers guide) the width shall generally be 1.5 metre in width.
- Driveways must comply with council policy and guidelines. Refer To Council (Driveway Attachment A) available from Council
- 20/80 Slump Min 25N for Glass Cullet mix in Concrete @ 28 days
- 20/80 Slump Min 25N Standard Concrete @ 28 days (You must seek approval of Council to use std concrete)
- Sub grade compaction 95% MMDD
- Formwork is to be used for vertical surfaces — no concrete is to be placed against vertically trimmed earth or gravel.
- The tolerance in alignment and level when tested over the total length of the work shall be 3mm;
- A STEEL TROWEL FINISH IS NOT PERMITTED ON FOOTPATHS. The final surface shall be broom finished and non-slip. It should provide a safe route for pedestrians.

Pavers:

- Paver manufacturers specification must be supplied with application
- Bricks and Pavers must not be glazed
- Joints should be flush as possible and should not be wider than 13mm
- Pavers must be laid on compacted surface (95% MMDD) to prevent sinking

- Finished surface should not deviate more than 5mm from a 500mm long straight edge laid anywhere along the surface.

Bitumen:

- Wearing Course 25mm-AC14 Asphalt (red or black)

Bicycle paths

Bicycle paths are to be a min 125mm thick cast in situ concrete cycle paths, with RF62 welded reinforcing, which may vary in width but shall generally be 2.5 metre in width.

Access To Adjacent Property

Construction operations shall be carried out in such a manner as to cause a minimum of inconvenience to abutting property owners.

Unless written permission is given, to the contrary, by the Superintendent, the work shall be so conducted as to leave the site open and free for pedestrian traffic.

All fire hydrants, water valves and Telecom pits shall be kept accessible for use.

Nature Of Excavation

Under no circumstances is **any permanent survey mark** to be damaged or removed without the prior authority of the Department of Infrastructure, Planning Section, Survey Department. Before works are commenced contact Manager Land Information Survey Branch for an inspection

Trucking

- (a) All trucks leaving the site with earth materials or loose debris shall be loaded in a manner that will prevent dropping of materials on streets and shall have suitable tarpaulins fastened over the load before leaving the site. Trucks bringing earth materials to the site shall be similarly loaded and covered.
- (b) The Contractor shall ensure that the wheels, tracks and body surface of all vehicles and plant leaving the site are free of mud and that mud is not carried on to adjacent paved streets or other areas.

Dust and Water

Adjoining owners, residents and the public are to be protected against dust, dirt and water nuisance. Dust screens and watering shall be used to reduce dust nuisance

Construction Joints

Roughen and clean face of hardened concrete before placing fresh concrete against it. Remove soft material, foreign matter and laitance. Thoroughly moisten the joint surface. (Refer to ASTC Developers Guide) for dowelled expansion joints.

Expansion/Contraction Joints

Joints to be 20 mm wide over full length and filled with bitumen impregnated fibrous filler or appropriate foam filler or any other approved method from Council (Must be approved by Manager or Director of Technical Services)

Provide vertical transverse expansion/contraction joints as follows:

Footpaths: 6 m spacing maximum.

At junctions with other concrete structures

Cycle paths: 6 m spacing maximum

Provide tooled (Dummy) joints as follows:

- Transverse vertical grooves 20 mm depth minimum.
- Joints at right angles to outer edge of concrete works.

Footpaths: 2 m spacing maximum.

Cycle paths: 2 m spacing maximum.

Surface Finishes

Finish surfaces to a smooth and even colour.

Remove free surface water during final screeding of unformed surfaces.

Round off exposed edges and corners.

Protect exposed surfaces from rain until final set has occurred.

Surface shall be broom finished and non-slip

Conduits Under Footpaths for irrigation

Install a 2m long 25mm diameter conduit under footpaths at each allotment. Position of the conduits is to be approximately 2 metres from the boundary, under the footpath control joint, on the opposite side of the driveway location.

At corner allotments two conduits will be installed, as specified above.

The cover between the conduit and the concrete is to be 50mm