



Aug 2013

# Alice Springs Town Council Stormwater Discharge Guidelines

## Attachment B

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

### **Stormwater 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.

#### **Approval For Stormwater Discharge**

Approval is granted subject to the provisions of the By-laws of the Alice Springs Town Council or any amendment thereof or additions thereto and to any other statutory requirements, and in accordance with Council's "Guidelines for Approval of Stormwater Discharge

#### **Traffic Control**

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

### **1.0 INTRODUCTION**

These guidelines have been drawn up to explain the Council's requirements for stormwater drainage collection and discharge into Council controlled Stormwater network. These notes may be upgraded or revised periodically.

### **2.0 REFERENCE TO OTHER STANDARDS, MANUALS, ETC**

The requirements of the By-Laws of the Alice Springs Town Council shall have preference over these guidelines. Where any reference is made to the By-Laws of the Council, these By-laws shall be deemed to apply as a part of the guidelines.

### **3.0 REQUIREMENTS OF THE COUNCIL**

#### **3.1 Introduction**

The Council does not seek to exercise any control over the proposed internal works and details, however, to enable the Council to assess the proposed discharge details, it is recommended that the applicant show their internal proposals on plans which should be submitted to Council.

#### **3.2 Copies of Documents, Etc.**

For medium to large developments the applicant is requested to submit a minimum of two (2) copies of the relevant documents for the Council's consideration. 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. A site plan showing drainage system and access is required and is to be drawn to a scale (Not required for garages, sheds, carports or small extensions)

#### **3.3 Enquiries**

Intending applicants are requested to contact the Infrastructure Services Department for further guidance and advice. Telephone 8950 0519.

### **4.0 STORMWATER COLLECTION**

#### **4.1 Natural Flow Not Altered**

The Council may not require collection and discharge of the stormwater in cases where a property has not been developed previously and it can be shown that the natural overland flow at the property boundary will not be changed either immediately, or in the near future, by the proposed development of the block.

#### **4.2 Natural Flow Changed**

Where the proposed development, or any development works previously carried out, will, or has caused the natural overland flow to be concentrated or increased in quantity or velocity, it is necessary for a form of collection to be installed as part of the upgrading proposals. (This may not apply to residential blocks 1200m<sup>2</sup> or less) All developments on blocks in and around hills and ranges will need to be assessed and may require stormwater design. The plans all stormwater design must be stamped and approved by the Director of Technical Service Department before works commence.

### **5.0 APPROVED CONNECTIONS**

The following will be considered as approved connections.

#### **5.1 Connection of Property Stormwater System to Council's Drainage System**

The preferred point of entry of the connection line with the Council's stormwater system shall be in the following order of preference;

1. Drainage Structure or Pit
2. Kerb or Gutter
3. Other Alternative

Pipe and culverts shall be backfilled and reinstated in accordance with the *Alice Springs Town Council (ROADWORK'S GUIDELINES ATTACHMENT G)*

## **6.0 INVERT LEVELS**

Except for discharge into kerb and gutter the invert level of the entry line shall be not less than 50mm above the invert level of the main discharge pipe or structure.

## **7.0 PROTRUSIONS, HINDRANCES**

No part of the pipe will protrude into the main pipe or structure and in no way shall it restrict or alter the nature of the flow of water in the Council's system. Where the connection is into a drainage structure by excavating at the side of the structure exposed any reinforcement will be removed and no part of the entry pipe shall protrude further than the wall of the drainage structure. In all cases the connection work in the road reserve shall be subject to a road works permit obtainable from Council.

## **8.0 DISTANCE TO COUNCIL SYSTEM**

Developers may be required to extend along the road from either of the side boundaries of the property to connect into the stormwater drainage should it not be available along the road frontage of their property. This requirement will be at the discretion of the Director Technical Services.

## **9.0 KERB & GUTTER DISCHARGE**

Where stormwater drainage systems are not accessible, the Council may permit discharge into the kerb and gutter. Where discharge into kerb and gutter is permitted it shall be through either-

- (a) Diameter galvanised steel pipe
- (b) Square or Rectangular Section galvanised pipe
- (d) Any other approved method.

For all systems discharging into the kerb and gutter it will be necessary for the invert level of the discharge section to be at the invert level of the kerb and gutter.

## **10.0 DESIGN CALCULATIONS**

The Council may require the applicant to submit design calculations to support his proposed stormwater drainage system. These calculations are to be carried out by a suitably qualified Engineer with experience in the design and installation of stormwater drainage systems.

## **11.0 GENERAL GUIDELINES**

As a general guide, the Council advises that the majority of stormwater systems in the Municipality of Alice Springs have been designed based on a 1 in 2 year return storm. This is for pipes running full.

Please Note:

- No stormwater is allowed to be discharged over the driveway (Except residential blocks 1200m<sup>2</sup> or less. Driveway must be sealed )
- No stormwater is allowed to be discharged over the nature strip
- No stormwater is allowed to be discharged into you neighbours property.
- All stormwater is to be contained on your property or discharged into the Council Stormwater system.
- There should be a break in head where downpipes discharge into grates or pits.

If your roofed area has gutters and downpipes you must do the following.

- Collect all stormwater onsite by water harvesting with the excess water being collected and transferred into Council stormwater system.

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- Collect all stormwater into storage tanks with overflow being collected and transferred into Council stormwater system.
- Collect all stormwater into stormwater pits and transfer the water into Council stormwater system.
- For small roofed areas stormwater can be discharged onto Garden beds as long as there is no chance of excess water flooding the adjoining properties or being discharged over your nature strip.

If your roofed area has no gutters or downpipes

- Stormwater can be discharged onto you property as long as there is no chance of excess water flooding the adjoining properties or being discharged over your driveway and nature strip.

Swimming pool water discharge is permitted into Council Stormwater System as long as it is discharged in the same manner as stormwater. (no discharge is allowed over your nature strip)