

Vehicle Crossover (Driveway) Attachment 'A'

(Rev D August 2012)



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

It is important for property owners to be aware of their responsibilities associated with the construction and maintenance of driveway inverts and crossovers on Council's verge.

Existing Driveways:

It is the owner's responsibility to maintain or replace their existing driveway if the condition of the driveway deteriorates to a state of disrepair. This also applies to crossovers that have no hard surface treatment e.g. - gravel or dirt crossover.

New Driveways:

Residents are required to inform and seek authorisation/approval from Council for any new works within the road verge area including establishing a driveway. Once approved, the works are required to be carried out to Council's specification.

Second Crossover/Driveway:

Upon application, Council may approve a second Driveway to any property, subject to the compliance.

Generally, only one Driveway per lot will be permitted. Under special circumstances, additional accesses will be permitted on lots with long frontages, provided that the minimum distances between accesses is 20 metres.

How to Obtain Approval:

A permit application form providing details needs to 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 thing 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,

Existing Kerb and Gutter Crossing:

Any existing kerb and gutter crossing (Driveway) no longer in use on the property frontage to which this permit applies shall be removed and replaced with kerb and gutter to match the adjacent kerb and gutter profile.

Existing Mountable Kerb & Gutter:

Existing Mountable Kerb and Gutter can be modified as per Attached Sketch (Vehicle Crossover for Mountable Kerb option 1) Page 1 of 6

Or

New driveway can match Existing Mountable Kerb and Gutter as per Attached Sketch (Vehicle Crossover for Mountable Kerb option 2) Page 2 of 6

Standard Kerb & Gutter:

Existing Standard Kerb and Gutter can be modified as per Attached Sketch (Vehicle Crossover for Standard Kerb) Page 3 of 6

Guidelines for short steep Driveways:

For new short steep Driveways that are to be built refer Attached Sketch (Guidelines for construction of short steep Driveways for Council Approval) Page 4 of 6

Driveway Fall:

Driveways 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.

Standard Industrial And Commercial Crossovers Widths:

A standard industrial or commercial crossover is one that is 4.5m to 6 metre wide.

Cnr Todd Street and Gregory Terrace

PO Box 1071 Alice Springs NT 0871

Tel: (08) 89 500 500 • Fax: (08) 89 530 558

Email: astc@astc.nt.gov.au • Web: www.alicesprings.nt.gov.au



Standard Residential Crossovers Widths:

A standard industrial or commercial crossover is one that is 2.5 to 3 metre wide.

Driveway location:

All residential driveways shall:

- The location of the Driveway is to be approved by Council
- The Driveway is not to cause interference to public utility facilities in the verge and to avoid exiting trees.
- If any Driveway is to be built over any Authorities infrastructure you must get approval from that Authority to do so before Council will approve the construction
- If possible the Driveway is to be constructed at 90 degrees to the kerb line.
- Driveways must be located so that no trees, shrubs or other street furniture obstruct sightlines.
- General guidelines are that Driveways should be at least 20 metres from an intersection (measured to the intersecting property boundary line) in commercial and industrial areas and 10 metres from an intersection in residential area Also, generally no access will be permitted opposite terminating roads (at T-intersections) in cases where the access will generate high traffic volumes.

Driveway Construction

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

Materials

Note: All Concrete Driveways IF POSSIBLE to have Glass Cullet unless otherwise approved by Council

New driveways are to be constructed out of the following:

Concrete:

- 125mm min thickness
- Steel reinforcement RF62 Mesh min or RF82 for industrial driveways
- 20/80 Slump Min 25N for Glass Cullet mix in Concrete @ 28 days
- 20/80 Slump Min 25N Standard Concrete @ 28 days
- Sub grade compaction 95% MMDD
- Expansion joints are to be provided wherever existing concrete joins new concrete, at kerb line, at property boundary, and at a maximum interval of 6 meters,
- Formwork is to be used for vertical surfaces — no concrete is to be placed against vertically trimmed earth or gravel.

Cnr Todd Street and Gregory Terrace

PO Box 1071 Alice Springs NT 0871

Tel: (08) 89 500 500 • Fax: (08) 89 530 558

Email: astc@astc.nt.gov.au • Web: www.alicesprings.nt.gov.au



- Single width crossings shall be constructed as monolithic units. Double width crossings shall be constructed with a centrally placed joint. The joint shall be deeply grooved or a complete break in the concrete.
- The tolerance in alignment and level when tested over the total length of the work shall be 3mm;
- The tolerance in top width of the kerb shall be 3mm.
- A STEEL TROWEL FINISH IS NOT PERMITTED ON DRIVEWAYS. The final surface shall be broom finished and non-slip. It should provide a safe route for pedestrians.

All expansion joints must comply with the concrete vehicle crossing specifications.

Contraction Joints:

Joints shall be made in the form of dummy construction joints, a minimum of 20mm deep with an approved jointing tool as follows:-

- Along the crossing property line junction.
- Along the edges of existing or future footpath construction.
- Across the crossing from the wing junction points on opposite sides parallel to the kerb and additional joints parallel and not greater than 2 metres apart.
- Along the centre of the crossing at 90° to the kerb line and at not greater than 2 metres apart. Also from the wing junction points at 90° to the kerb line.
- An approved edging tool is to be used on all edges. Picture framing is not necessary.

Expansion Joints:

The expansion joint is to be 20mm wide filled with bitumen impregnated fibrous filler or equivalent or other material approved by Council. The expansion joint material shall not protrude above the surface of the crossing. It shall be such that when it is subjected to compression in hot weather, no bitumen is extruded.

Construction joints around manholes, junction boxes and any other similar obstructions shall be treated as expansion joints. (Refer to ASTC Developers Guide) for dowelled expansion joints.

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
- Use attached sketches for vehicle crossovers to determine shape and profile of paved driveway.
- Finished surface should not deviate more than 5mm from a 500mm long straight edge laid anywhere along the surface.

Cnr Todd Street and Gregory Terrace

PO Box 1071 Alice Springs NT 0871

Tel: (08) 89 500 500 • Fax: (08) 89 530 558

Email: astc@astc.nt.gov.au • Web: www.alicesprings.nt.gov.au



Bitumen:

- | | |
|-----------------------|----------------------------------|
| • Wearing Course | 40mm-AC14 Asphalt (red or black) |
| • Base-Gravel | 75mm @ 98%MMDD |
| • Subbase | 150mm @ 95%MMDD |
| • Subgrade Compaction | 95% MMDD |

Services:

The permit holder shall be solely responsible for the identification and protection of all services and equipment of any authority in the vicinity of the work. Any damage that occurs to any services as a result of the work shall be made good to the satisfaction of the appropriate authority at the expense of the permit holder.

Maintenance:

The property owner shall be responsible for the repair of any failure of the work undertaken in accordance with the permit.

Tree Removal:

No trees are to be removed from the Council Verge without Council permission.

Footpath Removal:

Where an existing footpath is in the location of a proposed vehicle crossover:-

- If the footpath comprises of precast concrete slabs, the contractor shall remove the slabs that conflict with the new crossover location (see attached Sketch footpath with no existing driveway) page 5 of 6 and once the crossover has been completed any gaps between the crossover and the slab path shall be rectified by cutting slabs to the correct shape and replacing so that the path carries through the crossover and ensures smooth uniformity of path material and enhance safety of the path user. Any leftover slabs shall be removed from site by the contractor at their expense.
- If the footpath comprises of in-situ concrete and is less than 125mm thick (without RF62 mesh) the contractor shall cut the concrete footpath using an approved concrete saw parallel to the proposed alignment of the crossover (see attached Sketch footpath with no existing driveway) page 5 of 6 This section of footpath shall be replaced by grey concrete to the specified thickness. A gap of 20mm shall be left between the footpath and the crossover for the provision of an expansion joint

Unkerbed Roads in Rural/Special Rural Areas,

All crossovers which go over a swale drain or drainage ditch require a pipe culvert to be installed. Three 400mm diameter class 3 concrete pipes, 2.44 metres long, will be required Please note: the property owner must ensure the pipe culvert is maintained and kept clear of grass and debris at all times.

Cnr Todd Street and Gregory Terrace

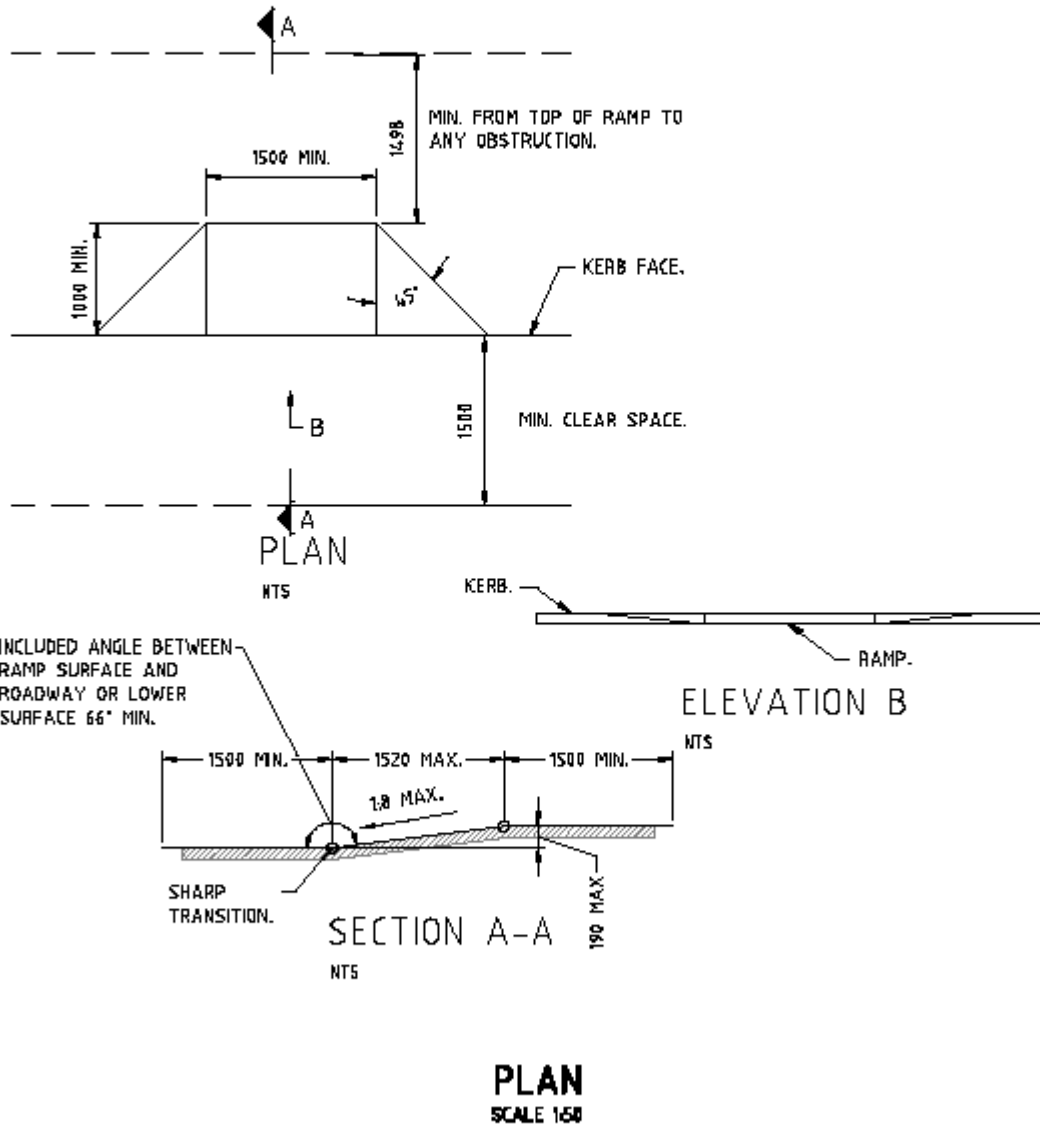
PO Box 1071 Alice Springs NT 0871

Tel: (08) 89 500 500 • Fax: (08) 89 530 558

Email: astc@astc.nt.gov.au • Web: www.alicesprings.nt.gov.au



ALICE SPRINGS TOWN COUNCIL
FOOTPATH WITH NO EXISTING DRIVEWAY
REFER GENERAL NOTES - PAGE 2 OF 3

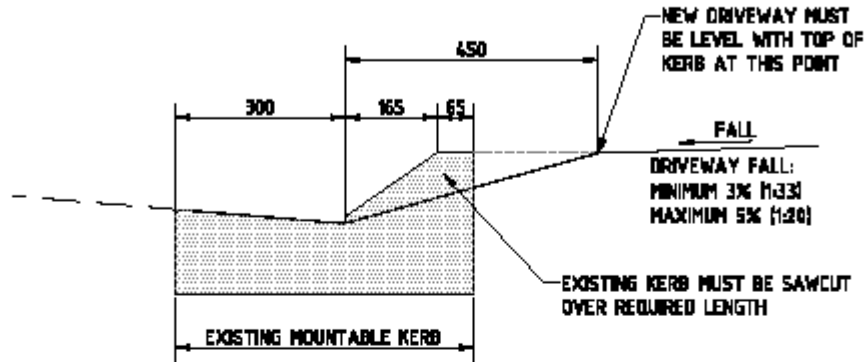


Cnr Todd Street and Gregory Terrace
PO Box 1071 Alice Springs NT 0871
Tel: (08) 89 500 500 • Fax: (08) 89 530 558
Email: astc@astc.nt.gov.au • Web: www.alicesprings.nt.gov.au

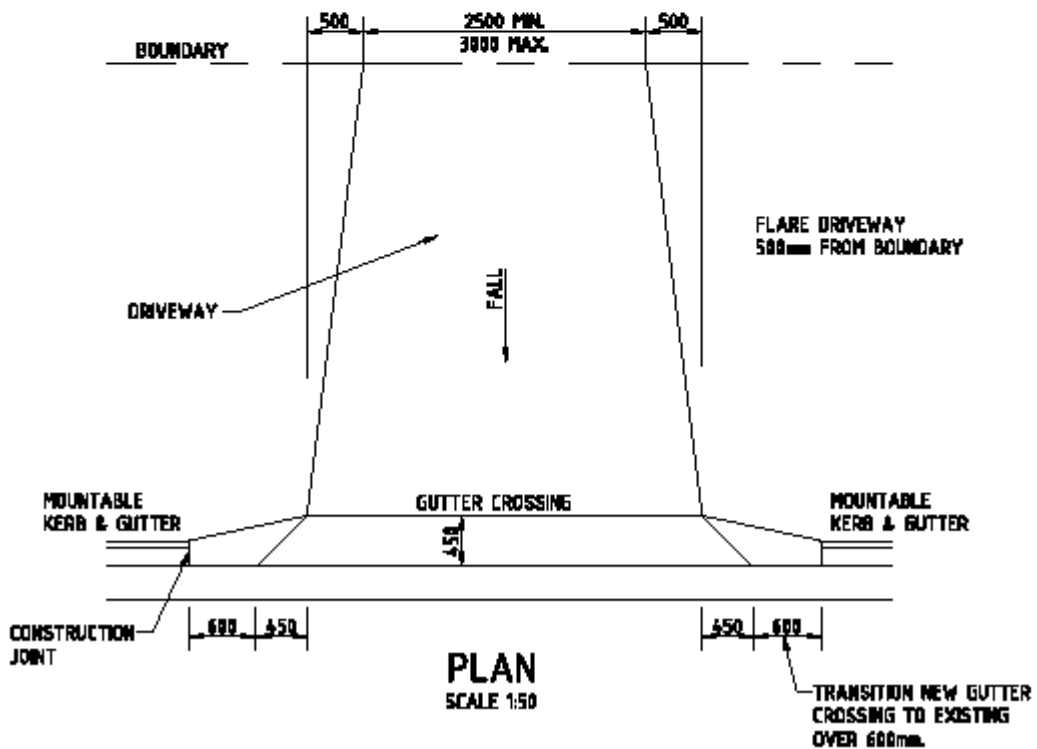


ALICE SPRINGS TOWN COUNCIL VEHICLE CROSSOVER FOR MOUNTABLE KERB OPTION 1

REFER GENERAL NOTES - PAGE 2



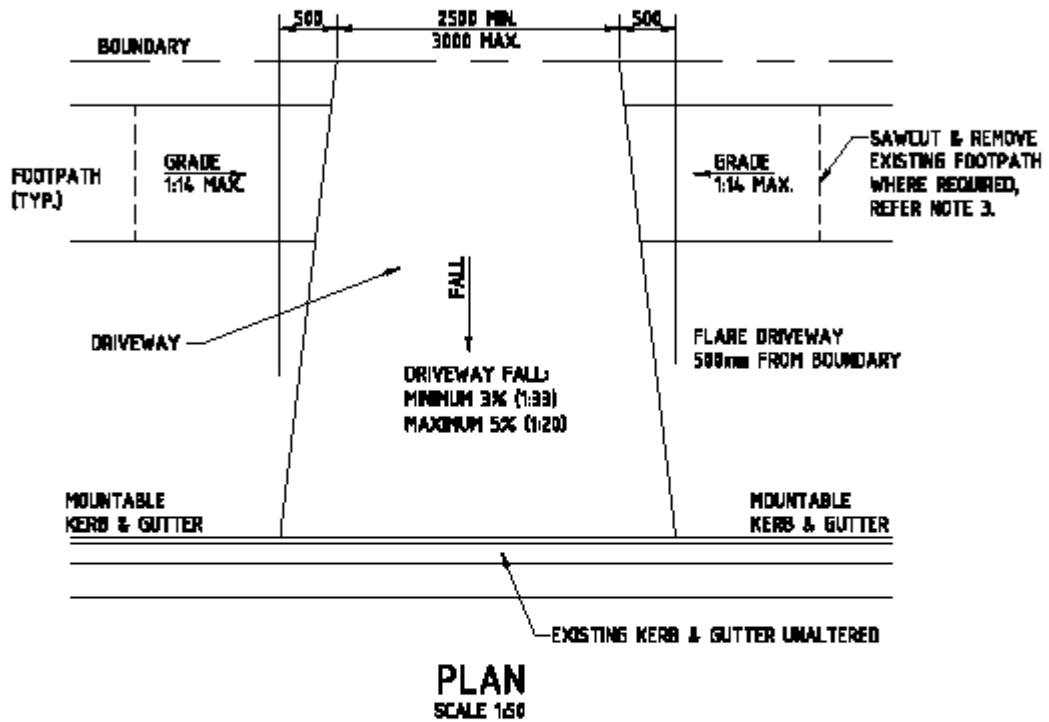
CROSS SECTION
SCALE 1:10



PLAN
SCALE 1:50

ALICE SPRINGS TOWN COUNCIL VEHICLE CROSSOVER FOR MOUNTABLE KERB OPTION 2

REFER GENERAL NOTES - BELOW

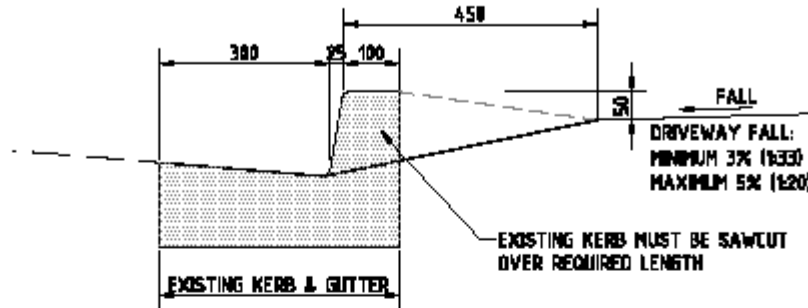


GENERAL NOTES:

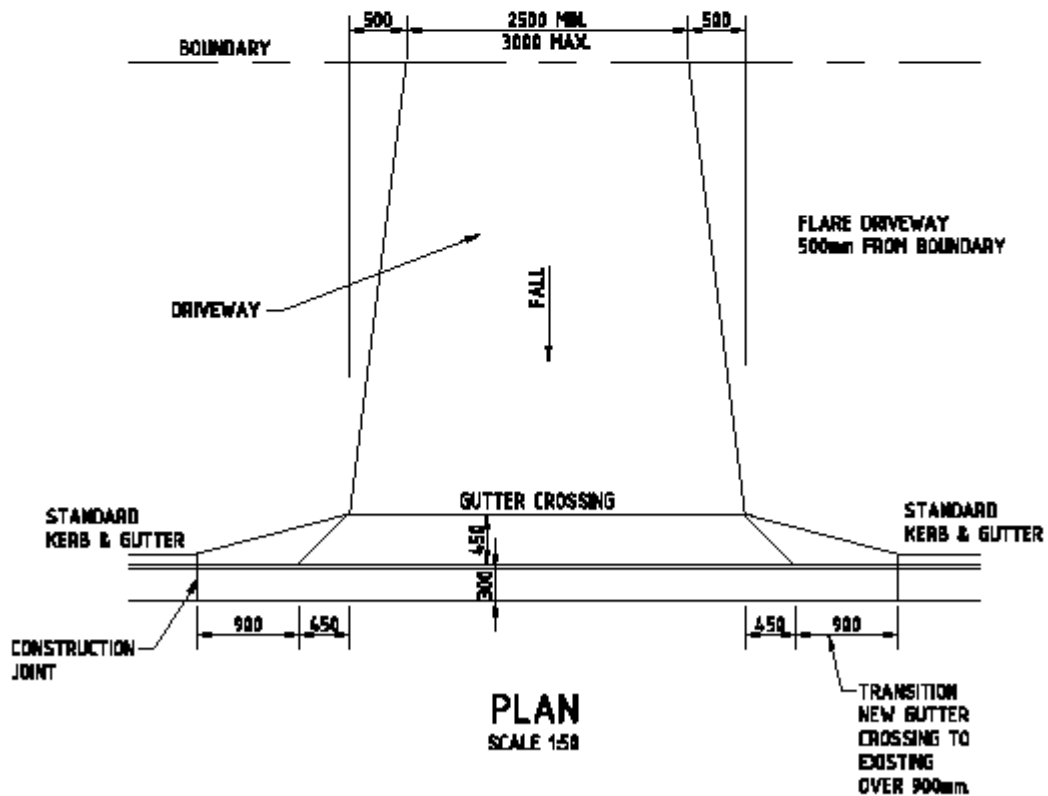
1. VEHICLE CROSSOVER MUST BE AS NEAR AS PRACTICAL TO 90 DEGREES TO EXISTING KERB & GUTTER.
2. THICKNESS OF DRIVEWAY MUST BE MIN. 125mm N25 CONCRETE.
3. WHERE NEW DRIVEWAY LEVEL DOES NOT MATCH EXISTING FOOTPATH:
FOOTPATH MUST BE SAWCUT AND RELAID TO MATCH DRIVEWAY. GRADE OF RELAID SECTION IS NOT TO EXCEED 1:16.
4. WHEN GRADE OF DRIVEWAY IS LIKELY TO EXCEED 5%, CONSULTATION WITH COUNCIL ENGINEERS IS REQUIRED.

ALICE SPRINGS TOWN COUNCIL VEHICLE CROSSOVER FOR STANDARD KERB

REFER GENERAL NOTES - PAGE 2

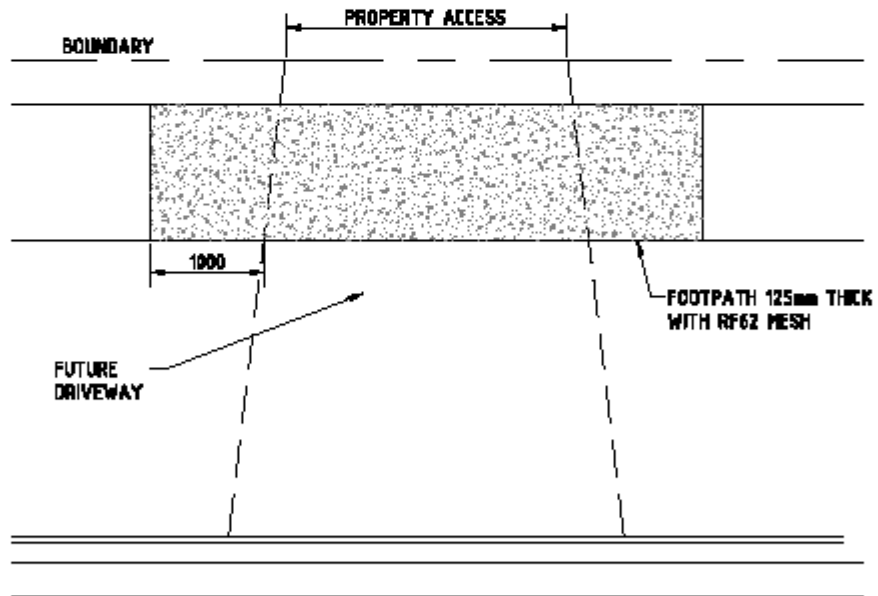


CROSS SECTION
SCALE 1:10



PLAN
SCALE 1:50

ALICE SPRINGS TOWN COUNCIL
FOOTPATH WITH NO EXISTING DRIVEWAY
REFER GENERAL NOTES - PAGE 2 OF 3



PLAN
SCALE 1:50

PAGE 4